284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ SOIL PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q1872

ATTENTION : Mohammad Ahmed

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1872

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q1872-01	HW0425-PT-AN-SOIL
Q1872-02	HW0425-PT-CORR-SOIL
Q1872-03	HW0425-PT-CN-SOIL
Q1872-04	HW0425-PT-CN-SOIL
Q1872-05	HW0425-PT-FP-SOIL
Q1872-06	HW0425-PT-CR6-SOIL
Q1872-07	HW0425-PT-NUT-SOIL
Q1872-08	HW0425-PT-NUT-SOIL
Q1872-09	HW0425-PT-OGR-SOIL
Q1872-10	HW0425-PT-MET-SOIL
Q1872-11	HW0425-PT-BNA-SOIL
Q1872-12	HW0425-PT-TRIAZINE-SOIL
Q1872-13	HW0425-PT-PAH-SOIL
Q1872-14	HW0425-PT-DIES-SOIL
Q1872-15	HW0425-PT-GAS-SOIL
Q1872-16	HW0425-PT-NJEPH-SOIL
Q1872-17	HW0425-PT-HERB-SOIL
Q1872-18	HW0425-PT-PCB-SOIL
Q1872-19	HW0425-PT-PCBO-SOIL
Q1872-20	HW0425-PT-PEST-SOIL
Q1872-21	HW0425-PT-CHLR-SOIL
Q1872-22	HW0425-PT-TXP-SOIL
Q1872-23	HW0425-PT-VOA-SOIL
Q1872-24	HW0425-PT-SOL-SOIL
Q1872-25	HW0425-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 10:08 am, Jul 23, 2025

Date: 6/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Soil PT
Project # N/A
Order ID # Q1872
Test Name: PCB

A. Number of Samples and Date of Receipt:
24 Solid samples were received on 04/24/2025.
1 Solid sample was received on 04/28/2025.

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, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS and VOCMS Group1. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A 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 except for HW0425-PT-PCB-SOILDL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) - 0% and Tetrachloro-m-xylene(2) - 0%]Surrogates were diluted out due to the high dilution. No further corrective action was taken.

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 .

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The Continuous Calibration met the requirements .

Sample HW0425-PT-PCB-SOIL was diluted due to high concentration.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:08 am, Jul 23, 2025

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1872 MATRIX: Solid

METHOD: 8082A/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. The Surrogate recoveries met the acceptable criteria except for HW0425-PT-PCB-SOILDL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) - 0% and Tetrachloro-m-xylene(2) - 0%]Surrogates were diluted out due to the high dilution. No further corrective action was taken.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD met criteria .			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

Sample HW0425-PT-PCB-SOIL was diluted due to high concentration.

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

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 8:44 am, Jul 23, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1872

	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:** 06/26/2025

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LAB CHRONICLE

OrderID:	Q1872	**OrderDate:**	4/24/2025 1:26:50 PM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Soil PT
Contact:	Mohammad Ahmed	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1872-14	**HW0425-PT-DIES-SOIL**	**SOIL**			**04/25/25**			**04/28/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
Q1872-15	**HW0425-PT-GAS-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			Gasoline Range Organics	8015D			04/29/25	
Q1872-16	**HW0425-PT-NJEPH-SOIL**	**Solid**			**04/21/25**			**04/24/25**
			EPH	NJEPH		05/07/25	05/08/25	
Q1872-17	**HW0425-PT-HERB-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			Herbicide Group1	8151A		05/30/25	06/04/25	
Q1872-17DL	**HW0425-PT-HERB-SOILDL**	**SOIL**			**04/21/25**			**04/24/25**
			Herbicide Group1	8151A		05/30/25	06/04/25	
Q1872-18	**HW0425-PT-PCB-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PCB	8082A		05/23/25	05/24/25	
Q1872-18DL	**HW0425-PT-PCB-SOILDL**	**SOIL**			**04/21/25**			**04/24/25**
			PCB	8082A		05/23/25	05/24/25	
Q1872-19	**HW0425-PT-PCBO-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PCB	8082A		05/28/25	05/28/25	
Q1872-20	**HW0425-PT-PEST-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group1	8081B		05/23/25	05/27/25	

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LAB CHRONICLE

Q1872-20DL	**HW0425-PT-PEST-SOI LDL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group1	8081B		05/23/25	05/27/25	
Q1872-21	**HW0425-PT-CHLR-SO IL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group2	8081B		05/23/25	05/27/25	
Q1872-22	**HW0425-PT-TXP-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group3	8081B		05/23/25	05/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1872 **Order ID:** Q1872

Client: Alliance Technical Group, LLC - Newark **Project ID:** Q2200

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : HW0425-PT-PCB-SOIL								
Q1872-18	HW0425-PT-PCB-SO	SOIL	Aroclor-1221	7000	E	4.00	17.0	ug/kg
			Total Concentration:	**7,000.000**				
Client ID : HW0425-PT-PCB-SOILDL								
Q1872-18DL	HW0425-PT-PCB-SO	SOIL	Aroclor-1221	9500	D	201	849	ug/kg
			Total Concentration:	**9,500.000**				
Client ID : HW0425-PT-PCBO-SOIL								
Q1872-19	HW0425-PT-PCBO-S	SOIL	Aroclor-1221	7000		115	486	ug/kg
			Total Concentration:	**7,000.000**				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072163.D	PIBLK-PP072163.D	Tetrachloro-m-xylene	1	20	16.3	82		60	140
		Decachlorobiphenyl	1	20	16.7	84		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	17.0	85		60	140
I.BLK-PP072312.D	PIBLK-PP072312.D	Tetrachloro-m-xylene	1	20	18.4	92		60	140
		Decachlorobiphenyl	1	20	20.3	101		60	140
		Tetrachloro-m-xylene	2	20	19.8	99		60	140
		Decachlorobiphenyl	2	20	21.7	109		60	140
PB168149BL	PB168149BL	Tetrachloro-m-xylene	1	20	21.1	106		32	144
		Decachlorobiphenyl	1	20	22.3	111		32	175
		Tetrachloro-m-xylene	2	20	22.4	112		32	144
		Decachlorobiphenyl	2	20	22.6	113		32	175
PB168149BS	PB168149BS	Tetrachloro-m-xylene	1	20	21.5	108		32	144
		Decachlorobiphenyl	1	20	22.7	113		32	175
		Tetrachloro-m-xylene	2	20	21.2	106		32	144
		Decachlorobiphenyl	2	20	24.4	122		32	175
Q2112-01MS	EO-03-05222025MS	Tetrachloro-m-xylene	1	20	13.9	69		32	144
		Decachlorobiphenyl	1	20	14.3	71		32	175
		Tetrachloro-m-xylene	2	20	17.5	87		32	144
		Decachlorobiphenyl	2	20	17.2	86		32	175
Q2112-01MSD	EO-03-05222025MSD	Tetrachloro-m-xylene	1	20	14.7	74		32	144
		Decachlorobiphenyl	1	20	14.3	72		32	175
		Tetrachloro-m-xylene	2	20	17.6	88		32	144
		Decachlorobiphenyl	2	20	17.0	85		32	175
I.BLK-PP072326.D	PIBLK-PP072326.D	Tetrachloro-m-xylene	1	20	17.8	89		60	140
		Decachlorobiphenyl	1	20	17.0	85		60	140
		Tetrachloro-m-xylene	2	20	19.5	98		60	140
		Decachlorobiphenyl	2	20	19.2	96		60	140
I.BLK-PP072340.D	PIBLK-PP072340.D	Tetrachloro-m-xylene	1	20	17.7	88		60	140
		Decachlorobiphenyl	1	20	17.7	88		60	140
		Tetrachloro-m-xylene	2	20	18.9	94		60	140
		Decachlorobiphenyl	2	20	20.6	103		60	140
I.BLK-PP072349.D	PIBLK-PP072349.D	Tetrachloro-m-xylene	1	20	15.3	76		60	140
		Decachlorobiphenyl	1	20	15.4	77		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	18.6	93		60	140
Q1872-18	HW0425-PT-PCB-SOIL	Tetrachloro-m-xylene	1	20	14.0	70		32	144
		Decachlorobiphenyl	1	20	18.7	93		32	175
		Tetrachloro-m-xylene	2	20	18.5	92		32	144
		Decachlorobiphenyl	2	20	21.7	108		32	175
Q1872-18DL	HW0425-PT-PCB-SOILDL	Tetrachloro-m-xylene	1	20	0	0	*	32	144

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Surrogate Summary

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1872-18DL	HW0425-PT-PCB-SOILDL	Decachlorobiphenyl	1	20	0	0	*	32	175
		Tetrachloro-m-xylene	2	20	0	0	*	32	144
		Decachlorobiphenyl	2	20	0	0	*	32	175
I.BLK-PP072358.D	PIBLK-PP072358.D	Tetrachloro-m-xylene	1	20	15.3	77		60	140
		Decachlorobiphenyl	1	20	15.8	79		60	140
		Tetrachloro-m-xylene	2	20	16.5	82		60	140
		Decachlorobiphenyl	2	20	18.3	92		60	140
I.BLK-PP072410.D	PIBLK-PP072410.D	Tetrachloro-m-xylene	1	20	16.7	84		60	140
		Decachlorobiphenyl	1	20	18.1	90		60	140
		Tetrachloro-m-xylene	2	20	18.3	91		60	140
		Decachlorobiphenyl	2	20	20.3	102		60	140
PB168154BL	PB168154BL	Tetrachloro-m-xylene	1	20	18.6	93		32	144
		Decachlorobiphenyl	1	20	19.9	99		32	175
		Tetrachloro-m-xylene	2	20	20.9	105		32	144
		Decachlorobiphenyl	2	20	21.8	109		32	175
PB168154BS	PB168154BS	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	19.6	98		32	175
		Tetrachloro-m-xylene	2	20	19.2	96		32	144
		Decachlorobiphenyl	2	20	23.0	115		32	175
Q1872-19	HW0425-PT-PCBO-SOIL	Tetrachloro-m-xylene	1	20	11.2	56		32	144
		Decachlorobiphenyl	1	20	14.0	70		32	175
		Tetrachloro-m-xylene	2	20	13.0	65		32	144
		Decachlorobiphenyl	2	20	19.1	96		32	175
I.BLK-PP072423.D	PIBLK-PP072423.D	Tetrachloro-m-xylene	1	20	15.8	79		60	140
		Decachlorobiphenyl	1	20	17.0	85		60	140
		Tetrachloro-m-xylene	2	20	16.0	80		60	140
		Decachlorobiphenyl	2	20	19.0	95		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1872 **Analytical Method:** 8082A

Client: Alliance Technical Group, LLC - Newark **DataFile :** PP072319.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**EO-03-05222025MS**											
Q2112-01MS (Column 1)	AR1016	174.2	0	96.0	ug/kg	55				55	146	
	AR1260	174.2	0	94.1	ug/kg	54				31	146	
Client Sample ID:	**EO-03-05222025MS**											
Q2112-01MS (Column 2)	AR1016	174.2	0	122	ug/kg	70				55	146	
	AR1260	174.2	0	110	ug/kg	63				31	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1872 **Analytical Method:** 8082A

Client: Alliance Technical Group, LLC - Newark **DataFile :** PP072320.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**EO-03-05222025MSD**											
Q2112-01MSD (Column 1)	AR1016	174.3	0	98.3	ug/kg	56		2		55	146	20
	AR1260	174.3	0	92.4	ug/kg	53		2		31	146	20
Client Sample ID:	**EO-03-05222025MSD**											
Q2112-01MSD (Column 2)	AR1016	174.3	0	120	ug/kg	69		1		55	146	20
	AR1260	174.3	0	108	ug/kg	62		2		31	146	20

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872 **Analytical Method:** 8082A

Client: Alliance Technical Group, LLC - Newark **Datafile :** PP072314.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168149BS (Column 1)	AR1016	166.6	124	ug/kg	74				71	120	
	AR1260	166.6	124	ug/kg	74				65	130	
PB168149BS (Column 2)	AR1016	166.6	125	ug/kg	75				71	120	
	AR1260	166.6	135	ug/kg	81				65	130	

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872 **Analytical Method:** 8082A

Client: Alliance Technical Group, LLC - Newark **Datafile :** PP072412.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168154BS (Column 1)	AR1016	4951	3500	ug/kg	71				71	120	
	AR1260	4951	3500	ug/kg	71				65	130	
PB168154BS (Column 2)	AR1016	4951	3800	ug/kg	77				71	120	
	AR1260	4951	3800	ug/kg	77				65	130	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168149BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168149BL Lab File ID: PP072313.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/23/2025

Date Analyzed (1): 05/23/2025 Date Analyzed (2): 05/23/2025

Time Analyzed (1): 13:49 Time Analyzed (2): 13:49

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168149BS	PB168149BS	PP072314.D	05/23/2025	05/23/2025
EO-03-05222025MS	Q2112-01MS	PP072319.D	05/23/2025	05/23/2025
EO-03-05222025MSD	Q2112-01MSD	PP072320.D	05/23/2025	05/23/2025
HW0425-PT-PCB-SOIL	Q1872-18	PP072352.D	05/24/2025	05/24/2025

COMMENTS:

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168154BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168154BL Lab File ID: PP072411.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/28/2025

Date Analyzed (1): 05/28/2025 Date Analyzed (2): 05/28/2025

Time Analyzed (1): 16:37 Time Analyzed (2): 16:37

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168154BS	PB168154BS	PP072412.D	05/28/2025	05/28/2025
HW0425-PT-PCBO-SOIL	Q1872-19	PP072413.D	05/28/2025	05/28/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-PCB-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-18	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072352.D	1	05/23/25 09:18	05/24/25 04:31	PB168149

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	7000	E	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		32 - 144	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		32 - 175	108%	SPK: 20

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_P\Data\PP052425\
Data File : PP072352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 04:31
Operator : YP\AJ
Sample : Q1872-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:06:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.494	3.796	28125957	29523232	13.987m	18.471 #
2)	SA Decachlor...	10.206	8.817	30403478	22955730	18.662	21.685
	Target Compounds						
8)	L2 AR-1221-1	4.702	4.006	602.9E6	551.4E6	23063.914	20564.902
9)	L2 AR-1221-2	4.787	4.092	366.4E6	342.2E6	17959.518	16664.077
10)	L2 AR-1221-3	4.864	4.168	1315.2E6	1210.7E6	21739.500	20559.749

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 04:31
Operator : YP\AJ
Sample : Q1872-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

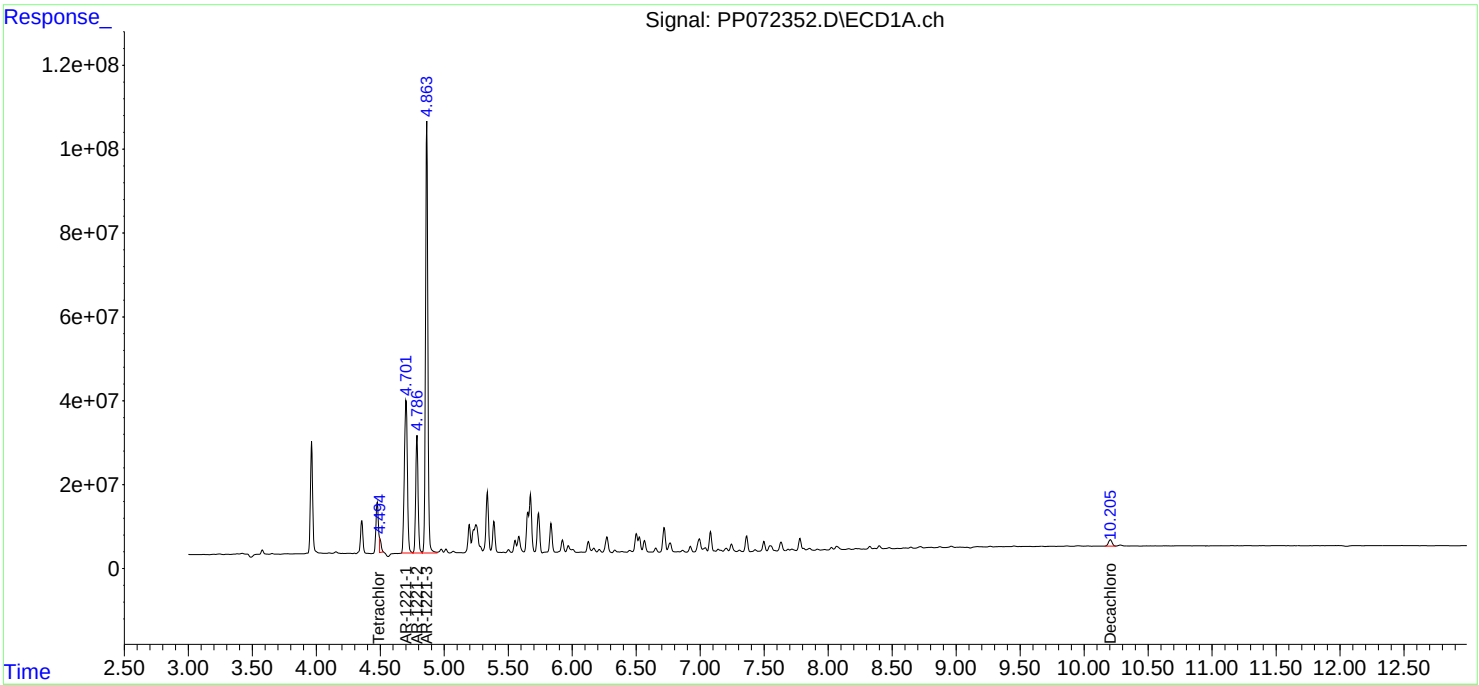
Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOIL

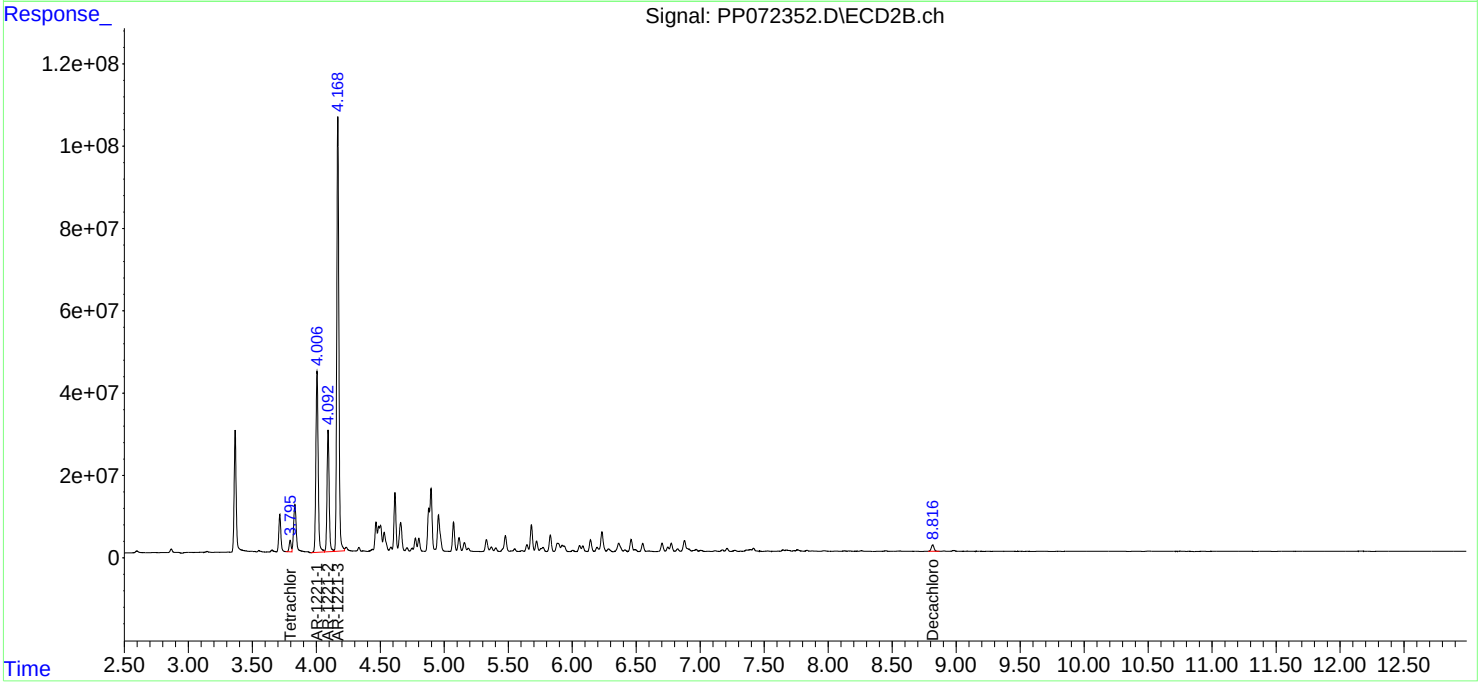
Manual Integrations APPROVED

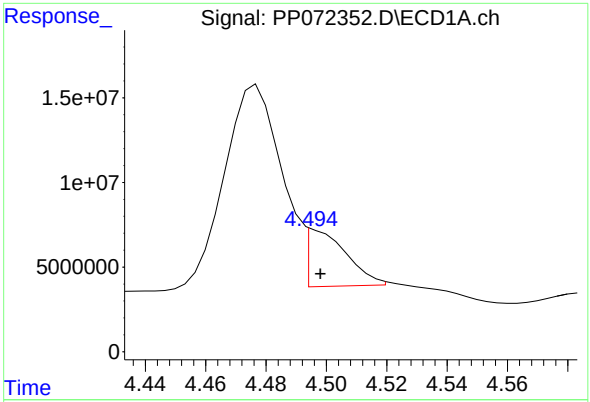
Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:06:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







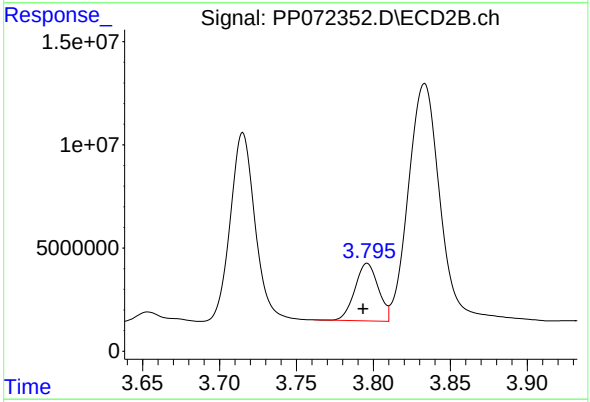
#1 Tetrachloro-m-xylene

R.T.: 4.494 min
Delta R.T.: -0.004 min
Response: 28125957
Conc: 13.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOIL

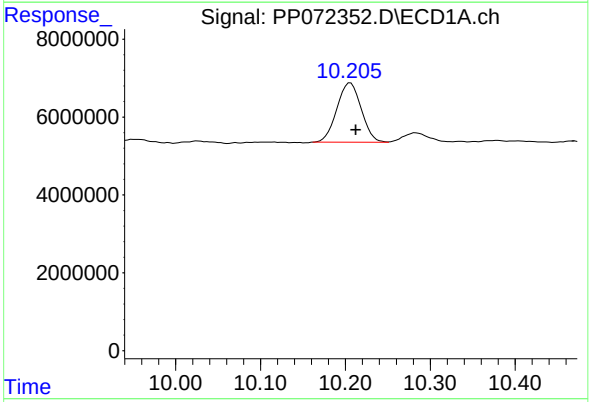
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



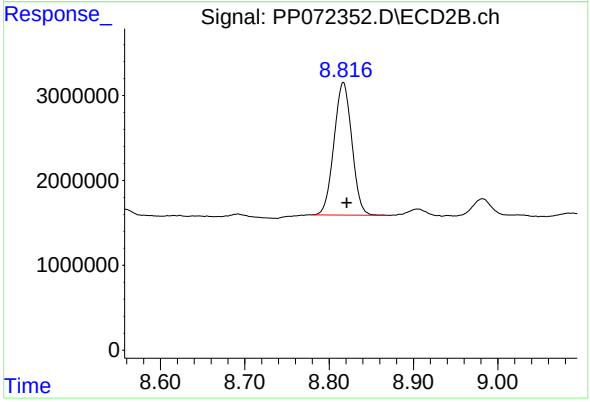
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 29523232
Conc: 18.47 ng/ml



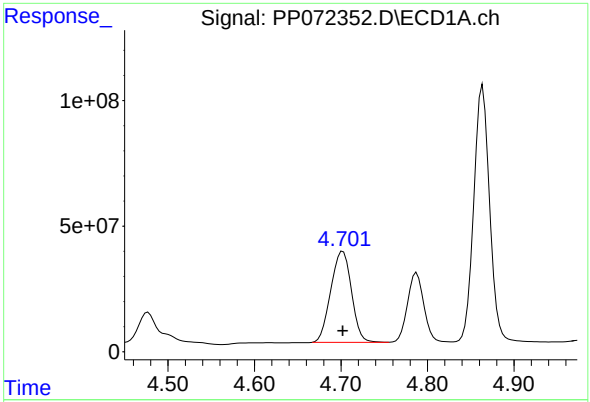
#2 Decachlorobiphenyl

R.T.: 10.206 min
Delta R.T.: -0.006 min
Response: 30403478
Conc: 18.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 22955730
Conc: 21.68 ng/ml



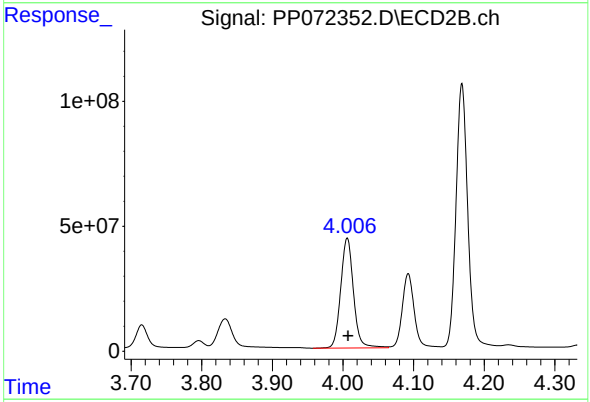
#8 AR-1221-1

R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 602940442
Conc: 23063.91 ng/

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOIL

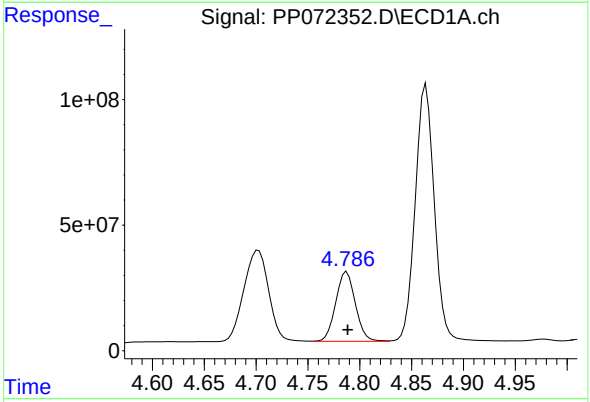
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



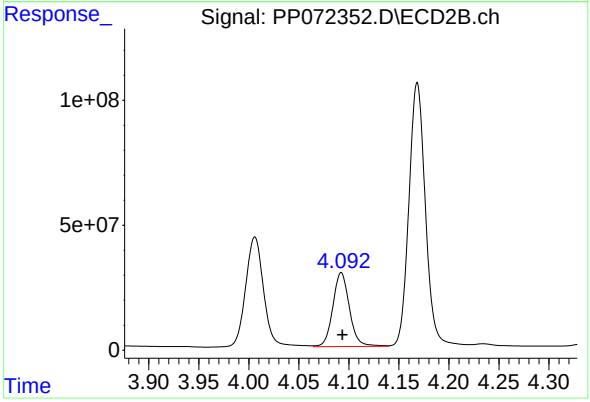
#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: -0.001 min
Response: 551350343
Conc: 20564.90 ng/ml



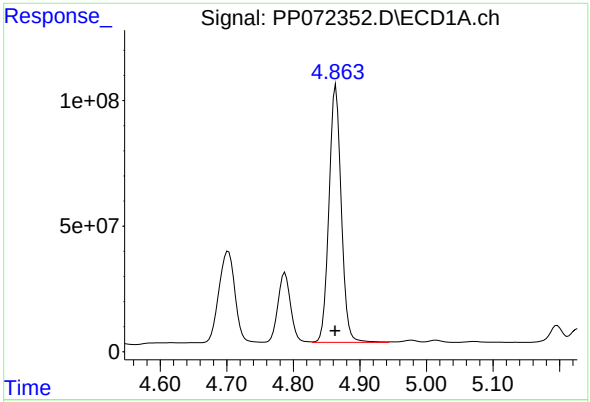
#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 366361443
Conc: 17959.52 ng/ml



#9 AR-1221-2

R.T.: 4.092 min
Delta R.T.: -0.001 min
Response: 342195651
Conc: 16664.08 ng/ml



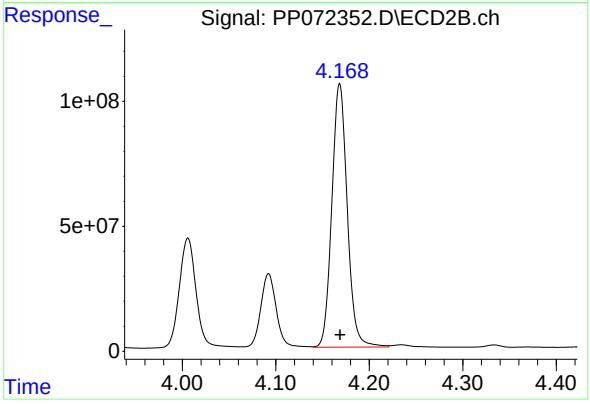
#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.001 min
Response: 1315227591
Conc: 21739.50 ng/

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 1210716441
Conc: 20559.75 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-PCB-SOILDL	SDG No.:	Q1872
Lab Sample ID:	Q1872-18DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072355.D	50	05/23/25 09:18	05/24/25 05:20	PB168149

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	197	UD	197	849	ug/kg
11104-28-2	Aroclor-1221	9500	D	201	849	ug/kg
11141-16-5	Aroclor-1232	186	UD	186	849	ug/kg
53469-21-9	Aroclor-1242	200	UD	200	849	ug/kg
12672-29-6	Aroclor-1248	296	UD	296	849	ug/kg
11097-69-1	Aroclor-1254	160	UD	160	849	ug/kg
37324-23-5	Aroclor-1262	251	UD	251	849	ug/kg
11100-14-4	Aroclor-1268	180	UD	180	849	ug/kg
11096-82-5	Aroclor-1260	161	UD	161	849	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	32 - 144	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	32 - 175	0%	SPK: 20

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_P\Data\PP052425\
Data File : PP072355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:20
Operator : YP\AJ
Sample : Q1872-18DL 50X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOILDL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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						
	Target Compounds						
8)	L2 AR-1221-1	4.702	4.006	15704733	16231771	600.744	605.431
9)	L2 AR-1221-2	4.787	4.092	10168186	10854007	498.458	528.563
10)	L2 AR-1221-3	4.863	4.168	36402360	34247952	601.697	581.581

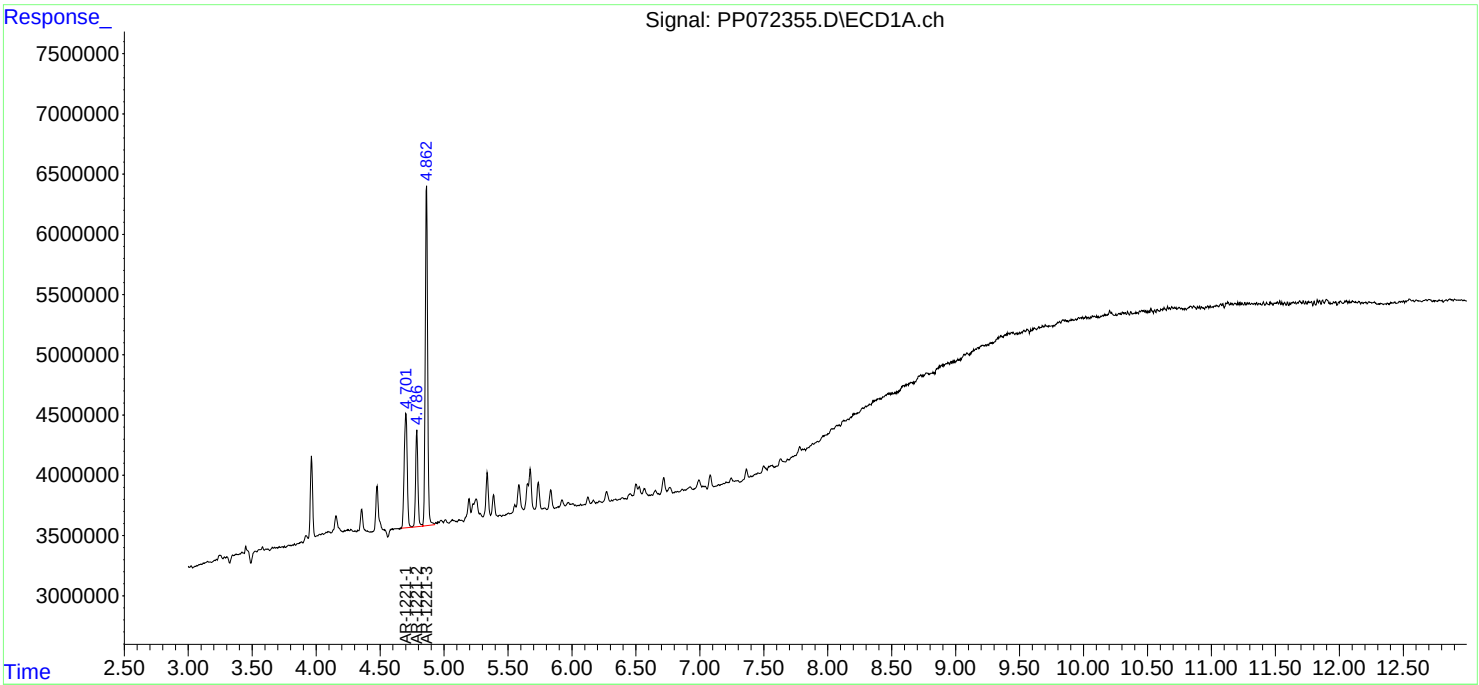
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

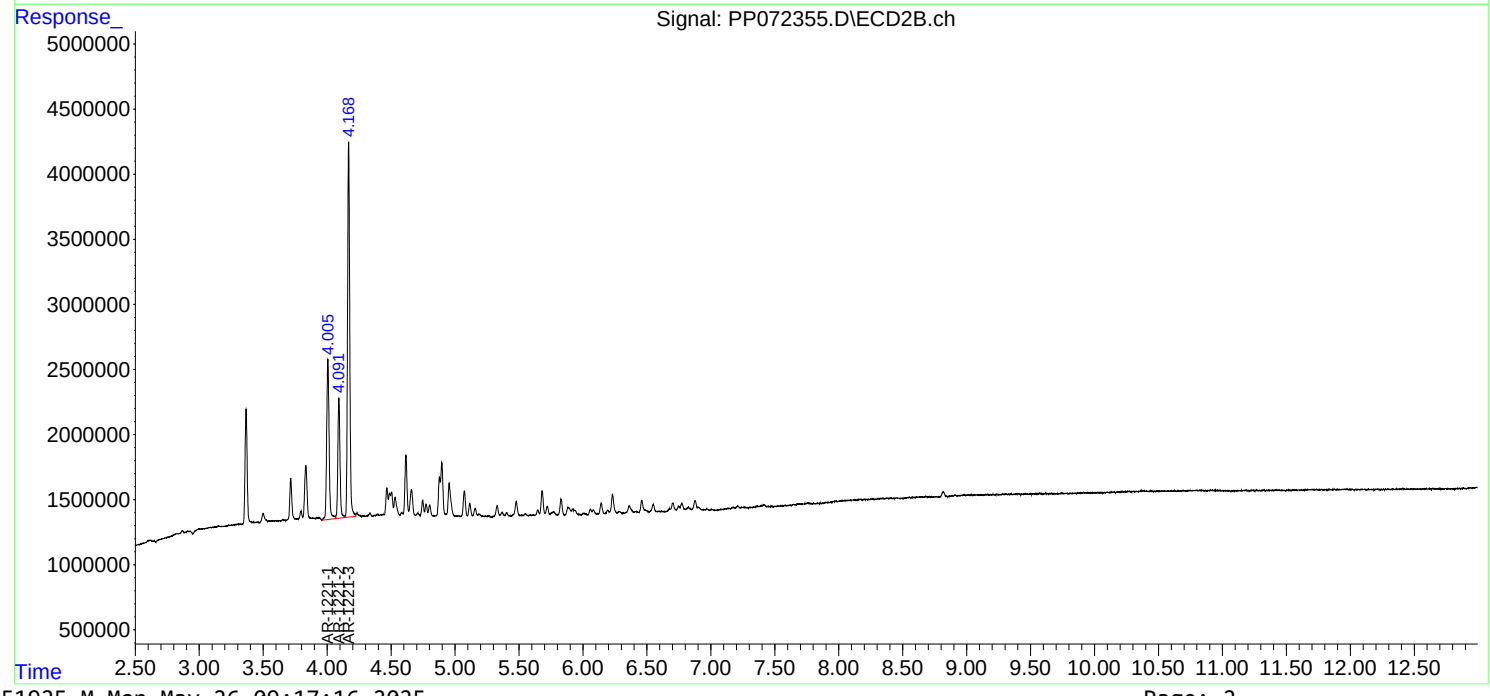
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:20
Operator : YP\AJ
Sample : Q1872-18DL 50X
Misc :
ALS Vial : 38 Sample Multiplier: 1

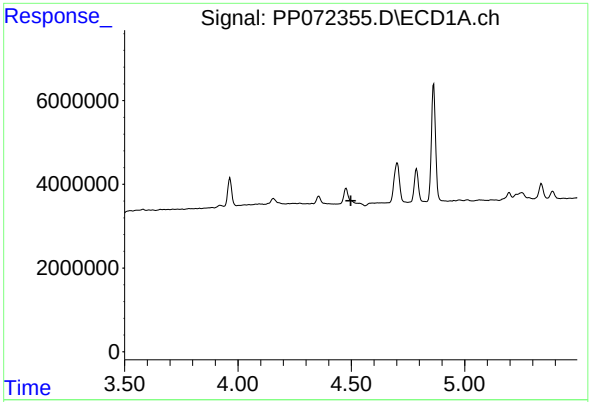
Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOILDL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



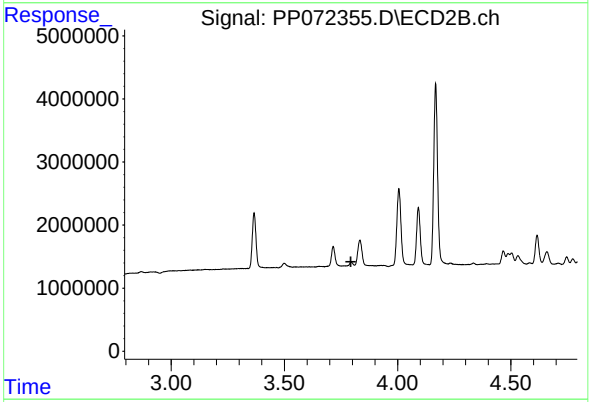




#1 Tetrachloro-m-xylene

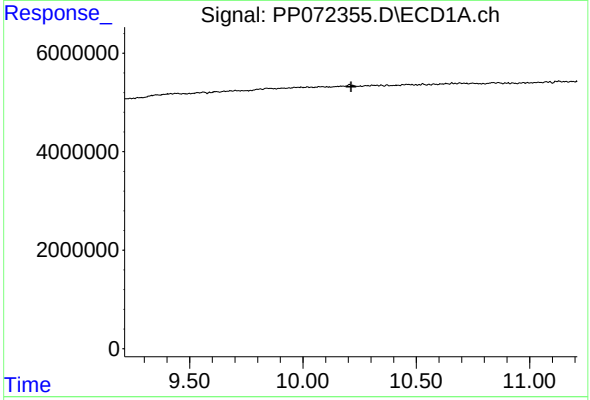
R.T.: 0.000 min
Exp R.T. : 4.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOILDL



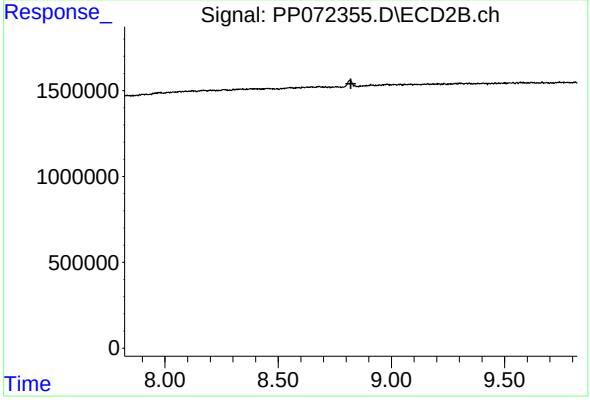
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T. : 3.793 min
Response: 0
Conc: N.D.



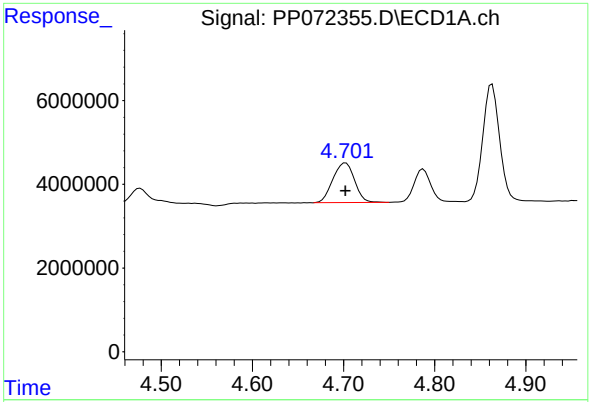
#2 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 10.212 min
Response: 0
Conc: N.D.



#2 Decachlorobiphenyl

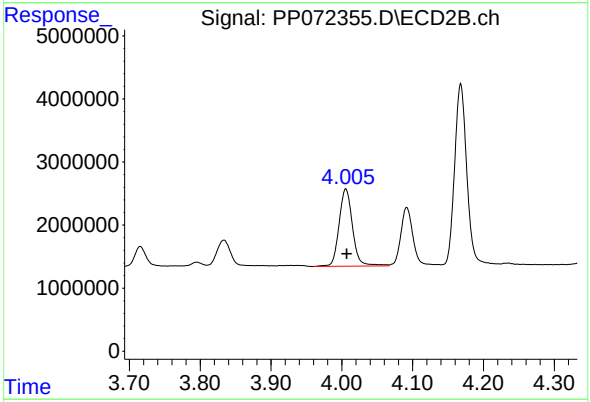
R.T.: 0.000 min
Exp R.T. : 8.821 min
Response: 0
Conc: N.D.



#8 AR-1221-1

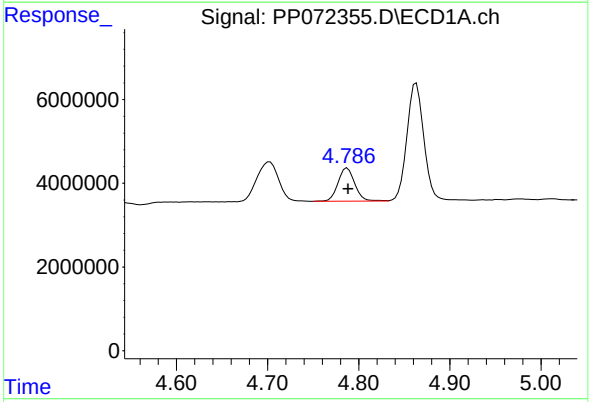
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 15704733
Conc: 600.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOILDL



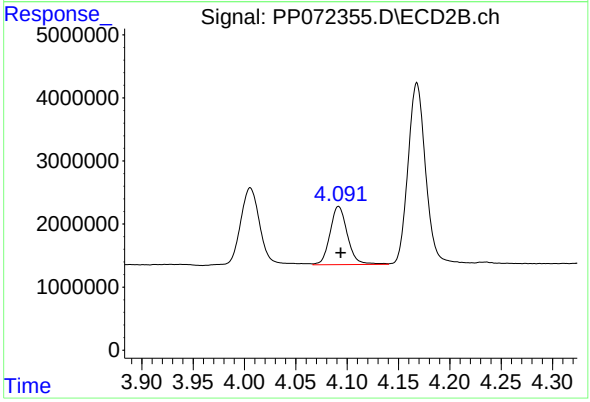
#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: -0.002 min
Response: 16231771
Conc: 605.43 ng/ml



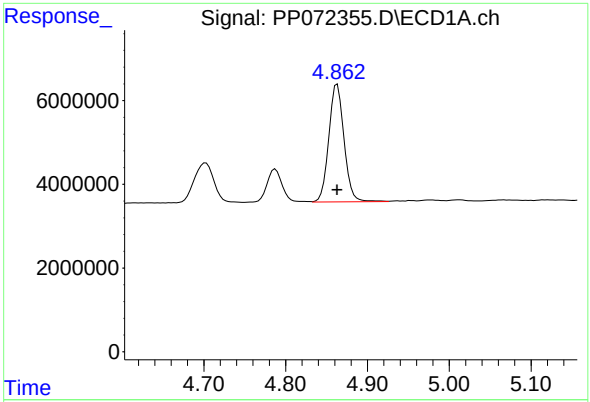
#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 10168186
Conc: 498.46 ng/ml



#9 AR-1221-2

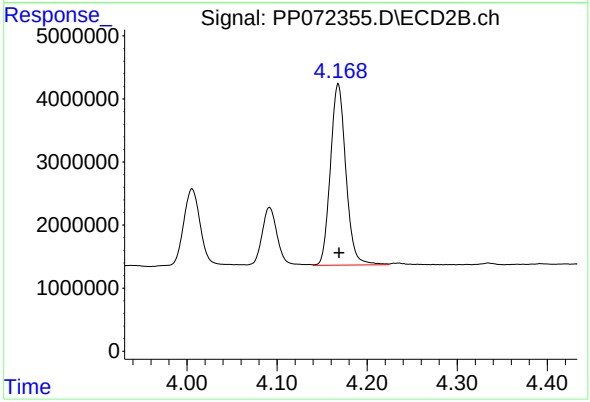
R.T.: 4.092 min
Delta R.T.: -0.002 min
Response: 10854007
Conc: 528.56 ng/ml



#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 36402360
Conc: 601.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCB-SOILDL



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 34247952
Conc: 581.58 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-PCBO-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-19	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072413.D	1	05/28/25 09:40	05/28/25 17:10	PB168154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	113	U	113	486	ug/kg
11104-28-2	Aroclor-1221	7000		115	486	ug/kg
11141-16-5	Aroclor-1232	106	U	106	486	ug/kg
53469-21-9	Aroclor-1242	115	U	115	486	ug/kg
12672-29-6	Aroclor-1248	169	U	169	486	ug/kg
11097-69-1	Aroclor-1254	91.7	U	91.7	486	ug/kg
37324-23-5	Aroclor-1262	143	U	143	486	ug/kg
11100-14-4	Aroclor-1268	103	U	103	486	ug/kg
11096-82-5	Aroclor-1260	92.3	U	92.3	486	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.0		32 - 144	65%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		32 - 175	96%	SPK: 20

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_P\Data\PP052825\
Data File : PP072413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 17:10
Operator : YP\AJ
Sample : Q1872-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCBO-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.805	22510432	20707104	11.195m	12.955m
2)	SA Decachlor...	10.198	8.813	22784204	20242448	13.986	19.122 #
	Target Compounds						
8)	L2 AR-1221-1	4.705	4.013	17759975	20204472	679.362	753.610
9)	L2 AR-1221-2	4.792	4.099	15373848	13882804	753.646	676.058
10)	L2 AR-1221-3	4.866	4.175	40834948	45665154	674.964	775.462

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 17:10
Operator : YP\AJ
Sample : Q1872-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

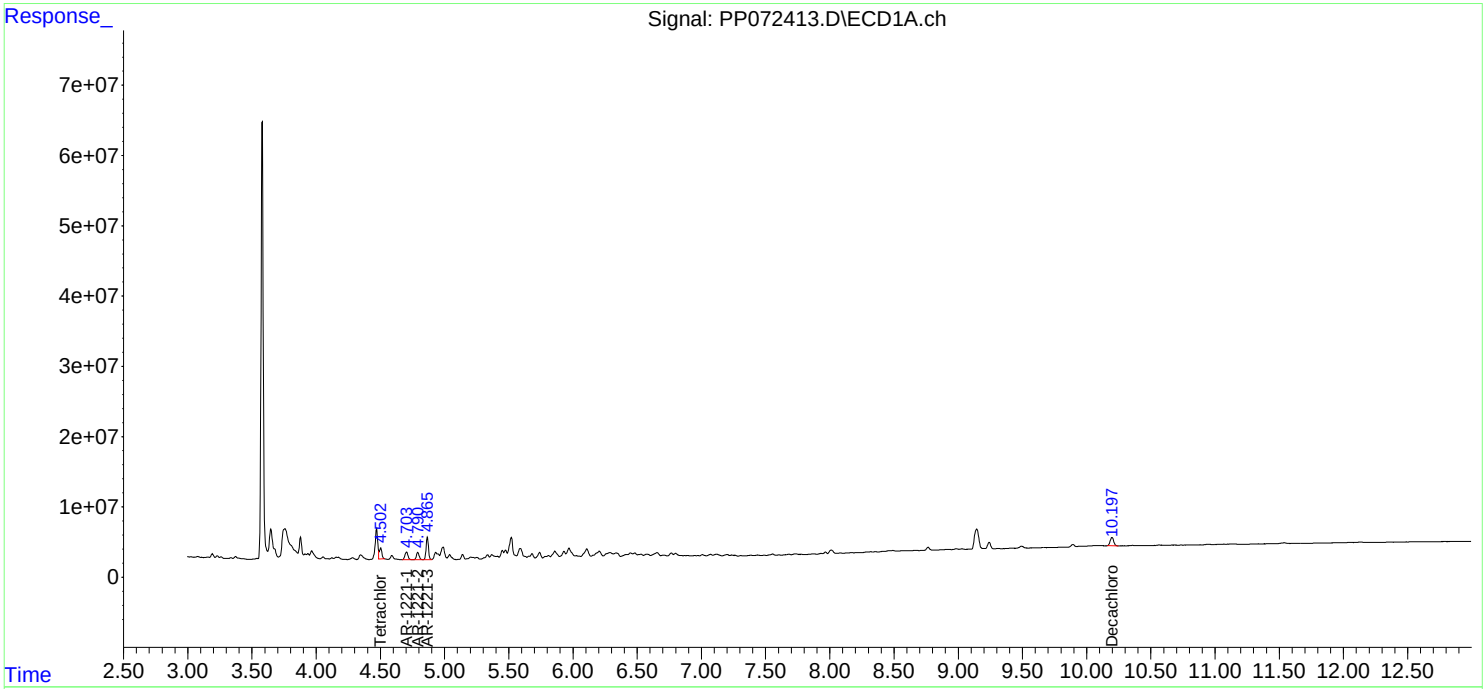
Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCBO-SOIL

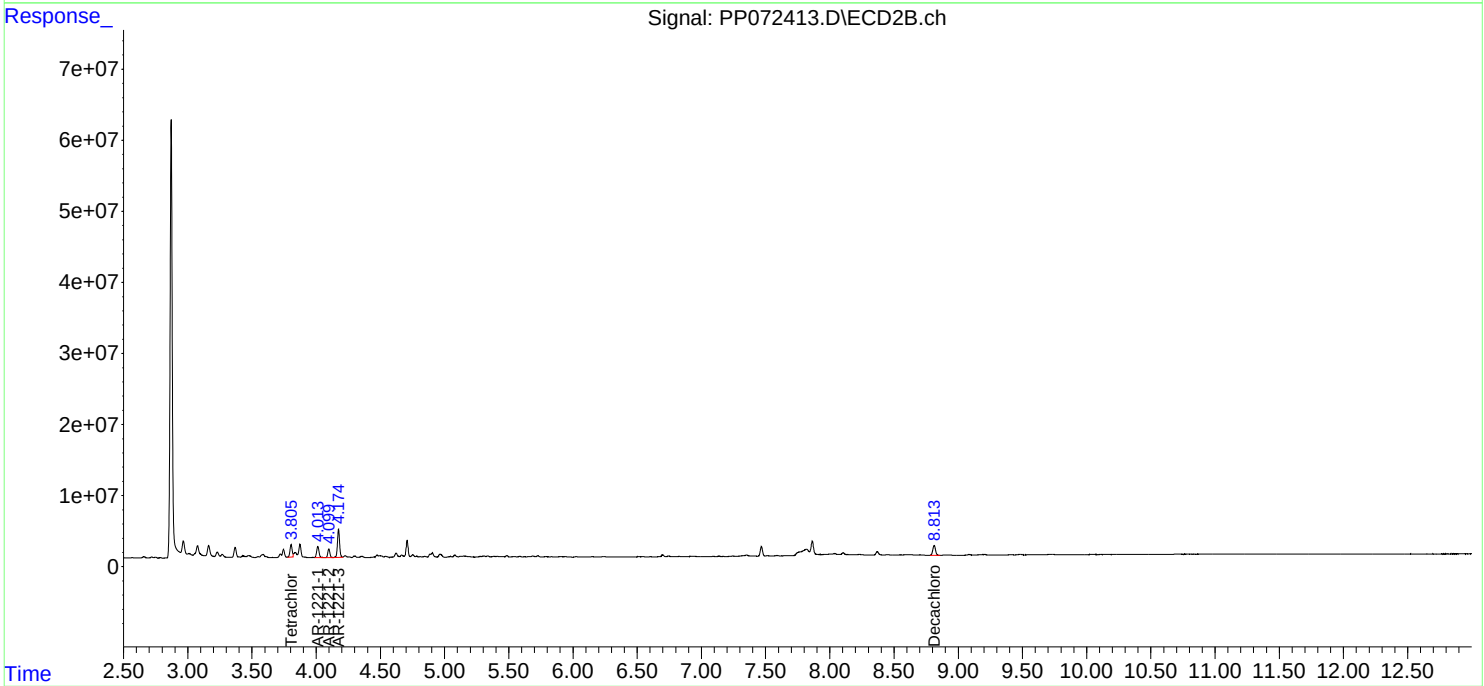
Manual Integrations APPROVED

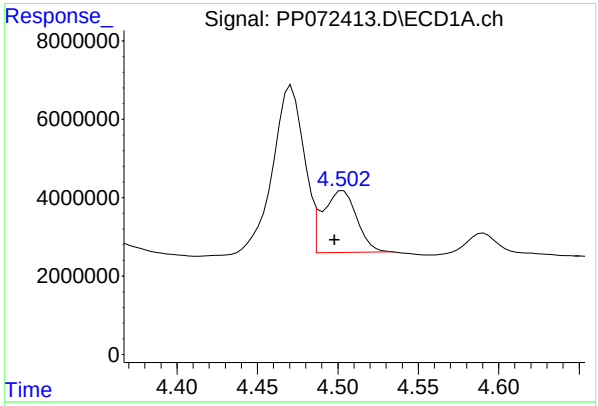
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







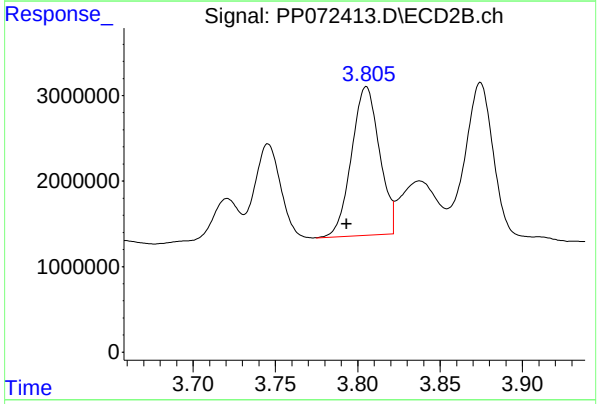
#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 22510432
Conc: 11.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCBO-SOIL

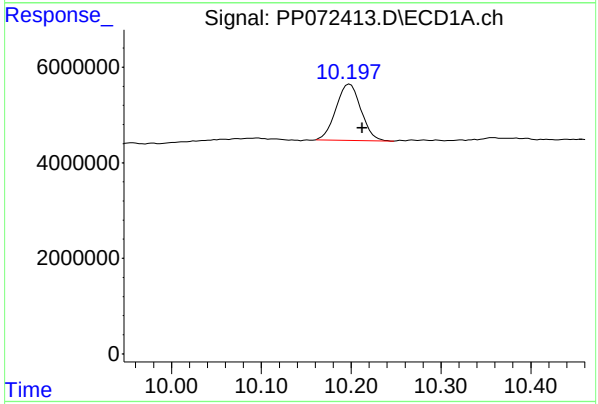
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



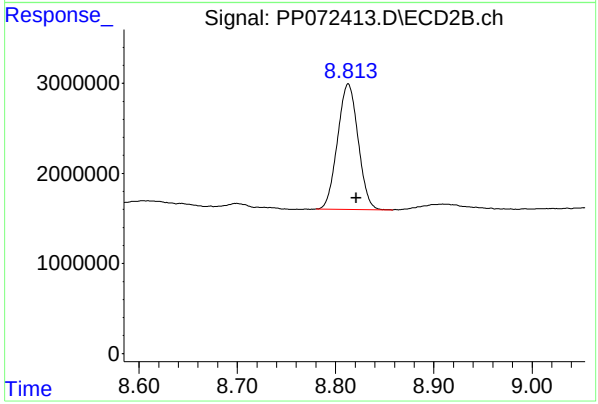
#1 Tetrachloro-m-xylene

R.T.: 3.805 min
Delta R.T.: 0.012 min
Response: 20707104
Conc: 12.96 ng/ml m



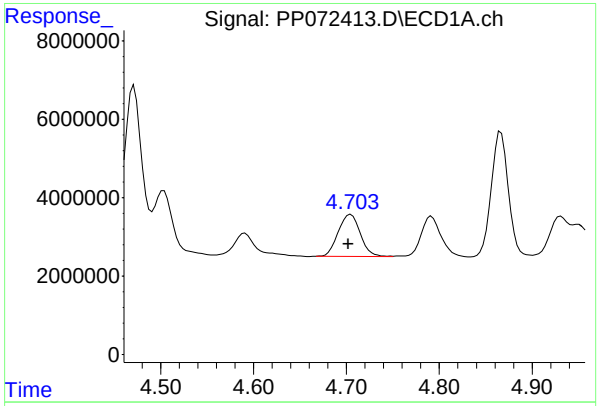
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 22784204
Conc: 13.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.813 min
Delta R.T.: -0.008 min
Response: 20242448
Conc: 19.12 ng/ml



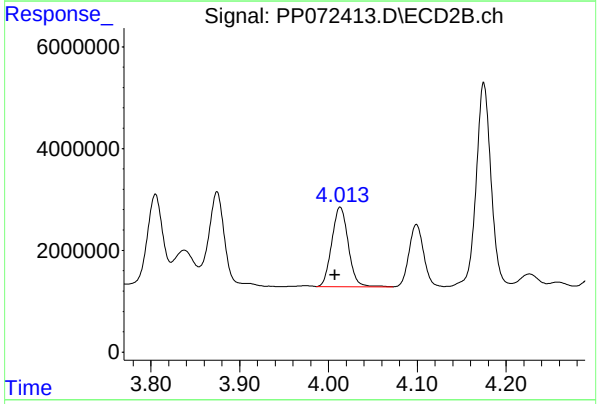
#8 AR-1221-1

R.T.: 4.705 min
Delta R.T.: 0.003 min
Response: 17759975
Conc: 679.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCBO-SOIL

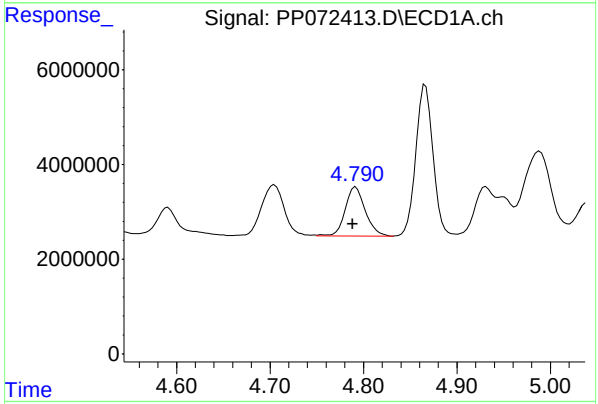
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



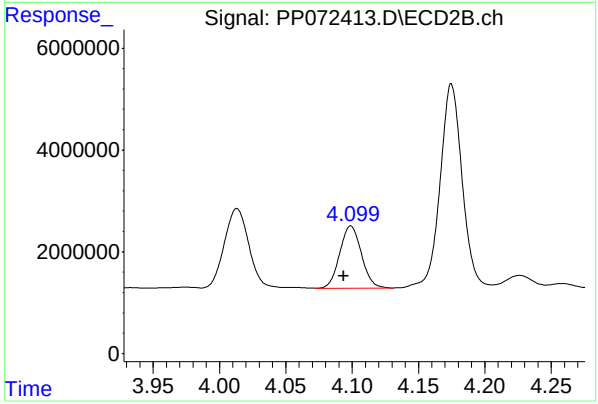
#8 AR-1221-1

R.T.: 4.013 min
Delta R.T.: 0.006 min
Response: 20204472
Conc: 753.61 ng/ml



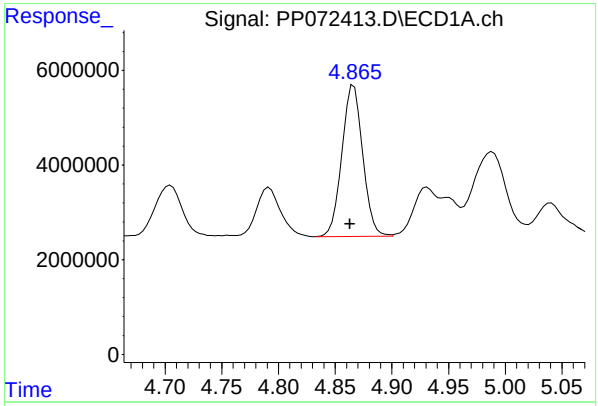
#9 AR-1221-2

R.T.: 4.792 min
Delta R.T.: 0.003 min
Response: 15373848
Conc: 753.65 ng/ml



#9 AR-1221-2

R.T.: 4.099 min
Delta R.T.: 0.005 min
Response: 13882804
Conc: 676.06 ng/ml



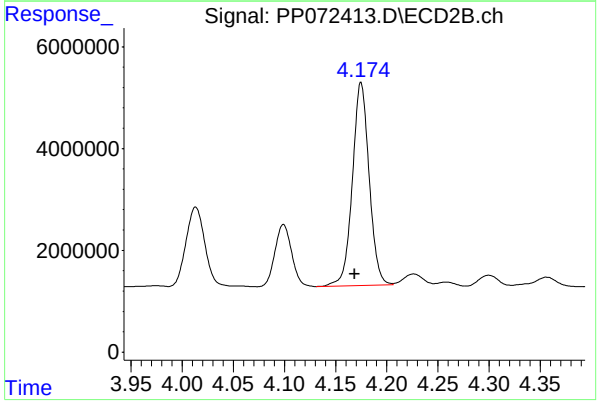
#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 40834948
Conc: 674.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
HW0425-PT-PCBO-SOIL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



#10 AR-1221-3

R.T.: 4.175 min
Delta R.T.: 0.006 min
Response: 45665154
Conc: 775.46 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.65	5.65	5.65	5.66	5.65	5.65	5.55	5.75
Aroclor-1016-2	(2)	5.68	5.67	5.67	5.68	5.67	5.67	5.57	5.77
Aroclor-1016-3	(3)	5.74	5.74	5.74	5.74	5.73	5.74	5.64	5.84
Aroclor-1016-4	(4)	5.84	5.83	5.83	5.84	5.83	5.83	5.73	5.93
Aroclor-1016-5	(5)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1260-1	(1)	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
Aroclor-1260-2	(2)	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1260-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1260-4	(4)	8.09	8.08	8.09	8.09	8.08	8.09	7.99	8.19
Aroclor-1260-5	(5)	8.40	8.40	8.40	8.41	8.40	8.40	8.30	8.50
Decachlorobiphenyl		10.21	10.21	10.21	10.21	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1232-1	(1)	4.86	4.86	4.86	4.87	4.86	4.86	4.76	4.96
Aroclor-1232-2	(2)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1232-3	(3)	5.68	5.68	5.68	5.68	5.67	5.68	5.58	5.78
Aroclor-1232-4	(4)	5.84	5.84	5.84	5.84	5.83	5.84	5.74	5.94
Aroclor-1232-5	(5)	5.93	5.93	5.93	5.93	5.92	5.93	5.83	6.03
Decachlorobiphenyl		10.21	10.22	10.21	10.22	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-1	(1)	5.66	5.66	5.66	5.65	5.65	5.66	5.56	5.76
Aroclor-1242-2	(2)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-3	(3)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1242-4	(4)	5.84	5.84	5.84	5.84	5.84	5.84	5.74	5.94
Aroclor-1242-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.51	4.50	4.50	4.50	4.40	4.60
Aroclor-1248-1	(1)	5.66	5.66	5.66	5.66	5.65	5.66	5.56	5.76
Aroclor-1248-2	(2)	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Aroclor-1248-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1248-4	(4)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1248-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.21	10.22	10.22	10.21	10.22	10.12	10.32
Tetrachloro-m-xylene		4.51	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1254-1	(1)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-2	(2)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Aroclor-1254-3	(3)	7.09	7.09	7.09	7.09	7.09	7.09	6.99	7.19
Aroclor-1254-4	(4)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Aroclor-1254-5	(5)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		10.22	10.22	10.22	10.22	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1268-1	(1)	8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Aroclor-1268-2	(2)	8.81	8.82	8.81	8.81	8.81	8.81	8.71	8.91
Aroclor-1268-3	(3)	9.04	9.05	9.04	9.04	9.05	9.04	8.94	9.14
Aroclor-1268-4	(4)	9.46	9.46	9.46	9.46	9.46	9.46	9.36	9.56
Aroclor-1268-5	(5)	9.88	9.88	9.88	9.88	9.88	9.88	9.78	9.98
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.51	4.50	4.50	4.50	4.50	4.40	4.60

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.90	4.89	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1260-4	(4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5	(5)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1232-1	(1)	4.17	4.17	4.17	4.17	4.17	4.17	4.07	4.27
Aroclor-1232-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1232-3	(3)	5.07	5.08	5.08	5.07	5.08	5.08	4.98	5.18
Aroclor-1232-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1232-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.69	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1254-4	(4)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1254-5	(5)	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
Aroclor-1268-5	(5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl		8.83	8.83	8.83	8.82	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: CF 1000 = PP072164.D CF 750 = PP072165.D

CF 500 = PP072166.D CF 250 = PP072167.D CF 050 = PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	66878491	69828851	76010044	83211968	79488900	75083651	9
Aroclor-1016-2	(2)	99468528	104467549	110518222	118579572	101924480	106991670	7
Aroclor-1016-3	(3)	61412187	64234915	67714060	73550892	60912680	65564947	8
Aroclor-1016-4	(4)	50363803	53404009	55311866	58220708	49049560	53269989	7
Aroclor-1016-5	(5)	45437165	47941741	49914606	51189784	50062640	48909187	5
Aroclor-1260-1	(1)	85553757	90346417	93957158	98060904	100055640	93594775	6
Aroclor-1260-2	(2)	135650987	137755076	143609204	149400496	151032820	143489717	5
Aroclor-1260-3	(3)	109042220	112821207	117388622	121236852	108865120	113870804	5
Aroclor-1260-4	(4)	102101329	107107725	110940768	114591832	101771400	107302611	5
Aroclor-1260-5	(5)	228876095	233706888	240834266	249937120	229956720	236662218	4
Decachlorobiphenyl		1538266220	1617591187	1654764640	1712186920	1622812600	1629124313	4
Tetrachloro-m-xylene		1944699760	2026562000	2072807240	2135906680	1874026800	2010800496	5
Aroclor-1232-1	(1)	44075653	45896815	48002922	48247276	49319600	47108453	4
Aroclor-1232-2	(2)	21717379	22928696	23244388	23029808	25495660	23283186	6
Aroclor-1232-3	(3)	46772523	50148184	51844656	54382920	47167260	50063109	6
Aroclor-1232-4	(4)	23238504	24146713	24804390	26183196	27122440	25099049	6
Aroclor-1232-5	(5)	15752983	16470224	16442412	18109320	20822780	17519544	12
Decachlorobiphenyl		1545279190	1600827560	1672901480	1703701720	1499866000	1604515190	5
Tetrachloro-m-xylene		1886122400	2000973440	2054641840	2122290120	1923172600	1997440080	5
Aroclor-1242-1	(1)	56211553	57323072	62083360	65843868	71524840	62597339	10
Aroclor-1242-2	(2)	82973080	85971496	91883334	97584776	75486540	86779845	10
Aroclor-1242-3	(3)	51559127	52121972	55496172	57080948	59071260	55065896	6
Aroclor-1242-4	(4)	41207603	43030657	45948576	46781836	44776460	44349026	5
Aroclor-1242-5	(5)	47977894	48696228	50879554	52435600	54934800	50984815	6
Decachlorobiphenyl		1526214180	1567133680	1645977640	1728993240	1487418400	1591147428	6
Tetrachloro-m-xylene		1827808490	1928927520	1991275140	2114690400	1713029600	1915146230	8
Aroclor-1248-1	(1)	44038397	47472432	47912646	51445364	51108500	48395468	6
Aroclor-1248-2	(2)	56984732	59400859	61165396	63476680	62172680	60640069	4
Aroclor-1248-3	(3)	64677132	65813748	68767932	70638012	61003720	66180109	6
Aroclor-1248-4	(4)	81606824	85304428	88412180	92196600	89440360	87392078	5
Aroclor-1248-5	(5)	77587697	81003728	83211240	86851844	86474060	83025714	5
Decachlorobiphenyl		1573368300	1599269360	1663196880	1714969280	1478724200	1605905604	6
Tetrachloro-m-xylene		1880240370	1909383627	1990709860	2112434560	1856348600	1949823403	5
Aroclor-1254-1	(1)	79792123	82783284	86922424	91684028	88834440	86003260	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	120142096	124850076	131105324	134547092	142741880	130677294	7
Aroclor-1254-3	(3)	124307316	127832729	133782854	136984312	137108200	132003082	4
Aroclor-1254-4	(4)	116304358	118550812	124418220	136069712	157210520	130510724	13
Aroclor-1254-5	(5)	107938622	112056604	116315218	117138120	102784720	111246657	5
Decachlorobiphenyl		1576500070	1614032093	1688035380	1708021160	1475084400	1612334621	6
Tetrachloro-m-xylene		1869066560	1948875347	2032435420	2069900400	1617536400	1907562825	9
Aroclor-1268-1	(1)	315692357	322966827	337626016	351356792	338115380	333151474	4
Aroclor-1268-2	(2)	265886956	272371317	285215132	296487980	279979560	279988189	4
Aroclor-1268-3	(3)	227961300	235081659	247250176	255747588	241284760	241465097	4
Aroclor-1268-4	(4)	101392203	104765767	107968348	108360296	102254740	104948271	3
Aroclor-1268-5	(5)	651541042	667177075	686960040	706355632	672967440	677000246	3
Decachlorobiphenyl		2733685450	2815599213	2937966700	3038738360	2636754200	2832548785	6
Tetrachloro-m-xylene		1849618000	1900065360	1995699220	2054630680	1744336400	1908869932	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	54525663	58849481	59632288	64515432	69624760	61429525	9
Aroclor-1016-2	(2)	79772717	86154421	85288758	92453296	95277560	87789350	7
Aroclor-1016-3	(3)	42641318	46352395	47330430	50989192	50959120	47654491	7
Aroclor-1016-4	(4)	33654246	36754908	37811202	41521120	40485160	38045327	8
Aroclor-1016-5	(5)	43791070	47744144	49105368	53701332	54780200	49824423	9
Aroclor-1260-1	(1)	72244144	75307759	80373306	84844232	85999160	79753720	7
Aroclor-1260-2	(2)	87664004	90365408	98490088	104924488	125666920	101422182	15
Aroclor-1260-3	(3)	79909091	81326363	88937536	92494016	91844780	86902357	7
Aroclor-1260-4	(4)	64349922	67685321	72647720	77711116	78060640	72090944	8
Aroclor-1260-5	(5)	161315528	166937577	177635780	187517596	174713540	173624004	6
Decachlorobiphenyl		920208980	1044964960	1093136160	1163579000	1071118200	1058601460	8
Tetrachloro-m-xylene		1547649930	1584243107	1593704220	1639561360	1626633000	1598358323	2
Aroclor-1232-1	(1)	37616932	40592059	45290150	47667724	45555860	43344545	9
Aroclor-1232-2	(2)	39358353	42024527	44532022	47402620	47585980	44180700	8
Aroclor-1232-3	(3)	20796080	22347549	23808552	25172964	24790340	23383097	8
Aroclor-1232-4	(4)	17897124	19415229	20680720	21689292	23918420	20720157	11
Aroclor-1232-5	(5)	19472370	21237964	22534450	24219412	28307940	23154427	15
Decachlorobiphenyl		991061470	1069964400	1120483020	1147415120	1151969600	1096178722	6
Tetrachloro-m-xylene		1503650850	1560846907	1685979140	1671096560	1578260800	1599966851	5
Aroclor-1242-1	(1)	46123670	49902476	52843000	57237560	54435320	52108405	8
Aroclor-1242-2	(2)	66003789	71039361	75471286	80940564	74026140	73496228	8
Aroclor-1242-3	(3)	34394227	38777200	41064482	44714476	36677280	39125533	10
Aroclor-1242-4	(4)	32146418	36854119	38826456	43192656	36894340	37582798	11
Aroclor-1242-5	(5)	41776015	46613400	48754570	54226988	49917340	48257663	9
Decachlorobiphenyl		967171680	1074707920	1046164720	1163123680	1078294400	1065892480	7
Tetrachloro-m-xylene		1545621850	1670448987	1600956100	1623877080	1377345600	1563649923	7
Aroclor-1248-1	(1)	38942472	38080832	42980810	46736940	49867020	43321615	12
Aroclor-1248-2	(2)	50685144	49386624	55814958	61079164	65420760	56477330	12
Aroclor-1248-3	(3)	53612101	51937139	58301874	64007240	67677000	59107071	11
Aroclor-1248-4	(4)	63542852	61081784	68799052	75621092	79219440	69652844	11
Aroclor-1248-5	(5)	63751699	62374025	69241268	74501112	78829180	69739457	10
Decachlorobiphenyl		1077930460	1066864453	1129616840	1218519160	1187538600	1136093903	6
Tetrachloro-m-xylene		1585370290	1544149787	1686359520	1807980440	1717995000	1668371007	6
Aroclor-1254-1	(1)	88394708	92134828	103452628	109580892	106208260	99954263	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	75158218	78808232	90151838	93786952	93629340	86306916	10
Aroclor-1254-3	(3)	118588697	123091027	137573488	140955076	122895140	128620686	8
Aroclor-1254-4	(4)	76184182	79817879	90049888	92363636	88066400	85296397	8
Aroclor-1254-5	(5)	103321222	111630831	120507404	120857332	110441220	113351602	7
Decachlorobiphenyl		1048618240	1081081133	1110321040	1211638680	1138223000	1117976419	6
Tetrachloro-m-xylene		1515554540	1677026120	1758978840	1703246040	1394379800	1609837068	9
Aroclor-1268-1	(1)	212587803	222334836	235771254	243664628	256729280	234217560	7
Aroclor-1268-2	(2)	188526781	196925783	208389682	217661736	222594360	206819668	7
Aroclor-1268-3	(3)	155195263	161035703	174669460	176674312	179279020	169370752	6
Aroclor-1268-4	(4)	67370219	71019111	74855072	76562592	74977520	72956903	5
Aroclor-1268-5	(5)	431064337	442819956	457037218	461770552	492119380	456962289	5
Decachlorobiphenyl		1753973260	1820277787	1902401960	1966032280	2130248600	1914586777	8
Tetrachloro-m-xylene		1581658390	1604094987	1649636500	1662342440	1498230000	1599192463	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.70	4.60	4.80	25133000
		2	4.79	4.69	4.89	17981400
		3	4.86	4.76	4.96	58509600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.09	7.99	8.19	133245000
		2	8.41	8.31	8.51	272386000
		3	8.72	8.62	8.82	185530000
		4	8.81	8.71	8.91	134281000
		5	9.46	9.36	9.56	92460600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	23124400
		2	4.09	3.99	4.19	17698400
		3	4.17	4.07	4.27	52270400
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.92	6.82	7.02	113028000
		2	7.18	7.08	7.28	97127000
		3	7.70	7.60	7.80	81531200
		4	7.77	7.67	7.87	140624000
		5	8.27	8.17	8.37	65083800

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:42
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:58:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.498	3.791	194.5E6	154.8E6	96.811	98.534
2)	SA Decachlor...	10.214	8.822	153.8E6	92020898	96.351	91.411
	Target Compounds						
3)	L1 AR-1016-1	5.653	4.877	66878491	54525663	936.093	955.267
4)	L1 AR-1016-2	5.675	4.895	99468528	79772717	947.379	966.582
5)	L1 AR-1016-3	5.737	5.072	61412187	42641318	951.196	947.882
6)	L1 AR-1016-4	5.835	5.114	50363803	33654246	953.177	941.833
7)	L1 AR-1016-5	6.128	5.329	45437165	43791070	953.043	942.793
31)	L7 AR-1260-1	7.249	6.364	85553757	72244144	953.187	946.735
32)	L7 AR-1260-2	7.503	6.553	135.7E6	87664004	971.503	941.843
33)	L7 AR-1260-3	7.861	6.705	109.0E6	79909091	963.139	946.529
34)	L7 AR-1260-4	8.085	7.177	102.1E6	64349922	958.508	939.431
35)	L7 AR-1260-5	8.404	7.419	228.9E6	161.3E6	974.541	951.851

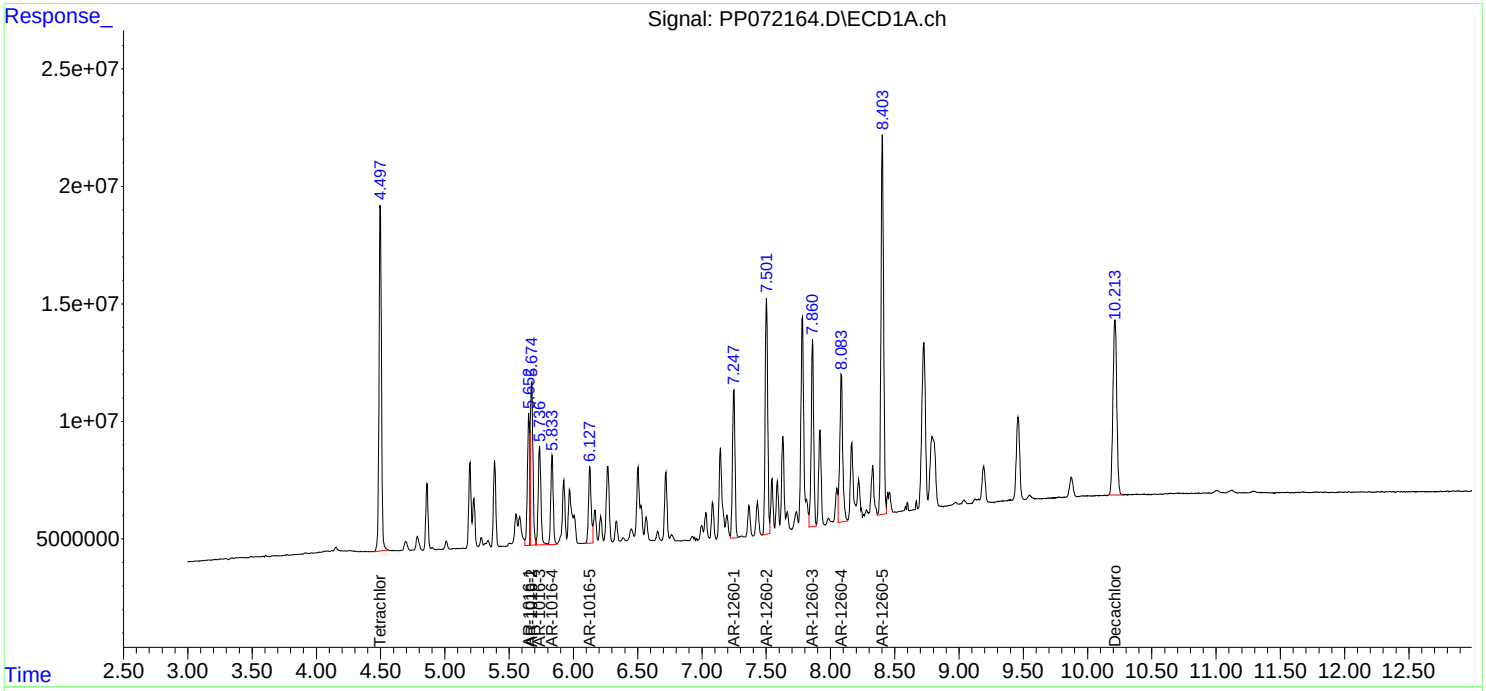
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

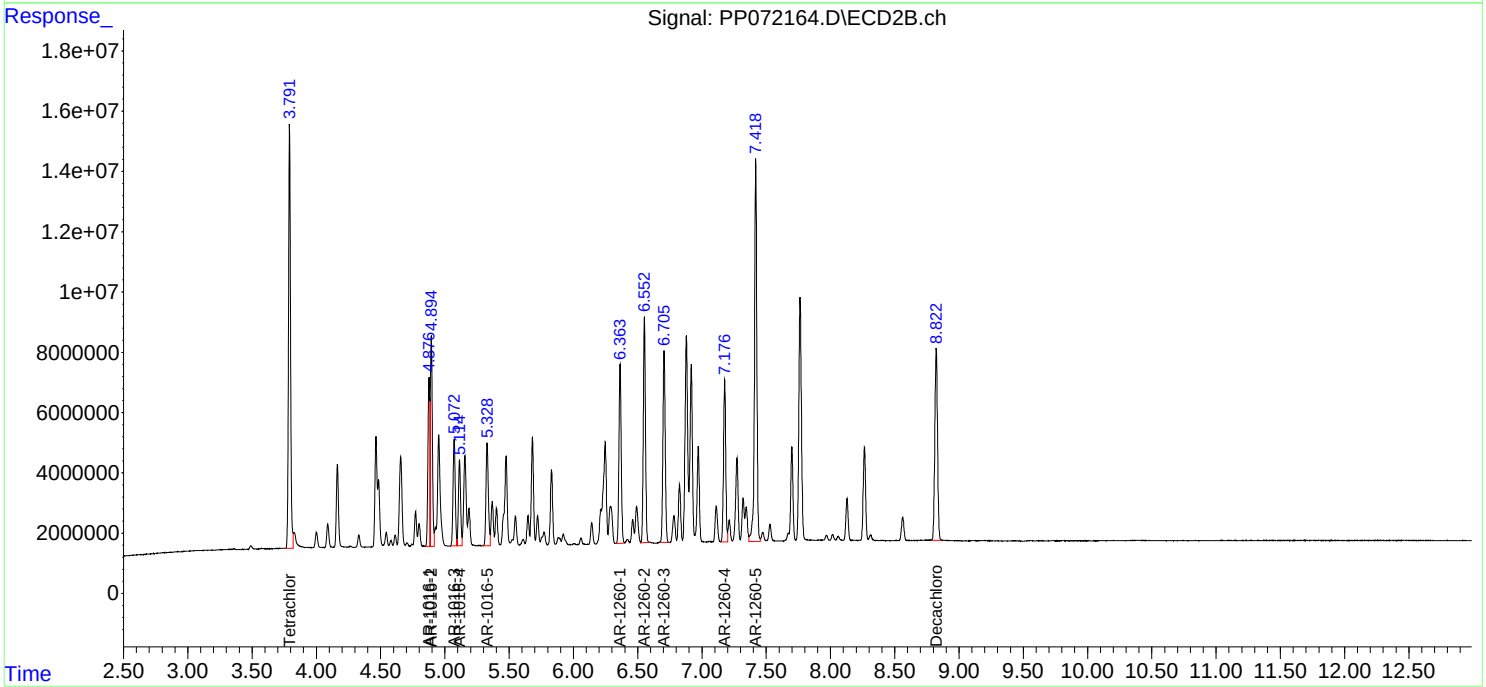
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:42
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

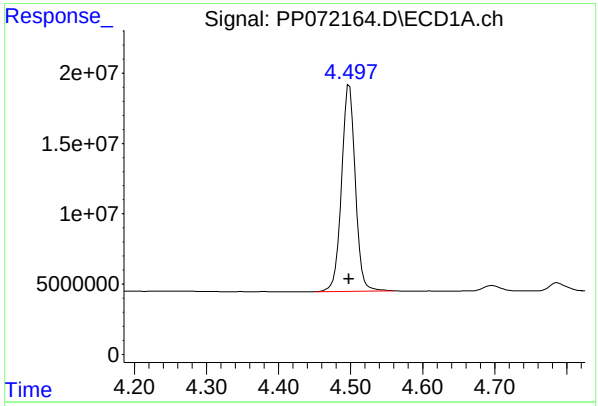
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:58:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



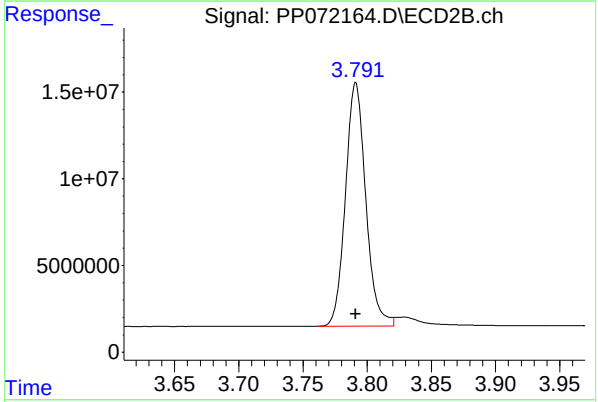




#1 Tetrachloro-m-xylene

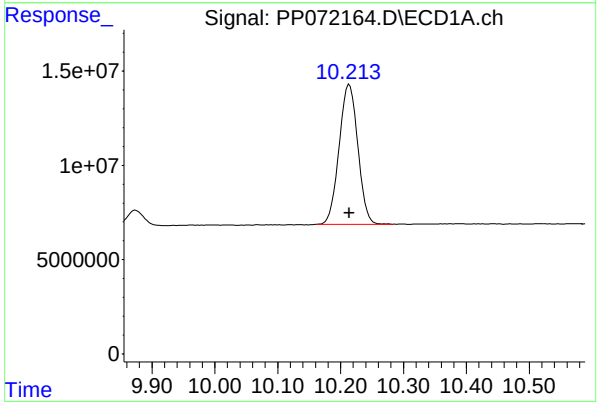
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 194469976
Conc: 96.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



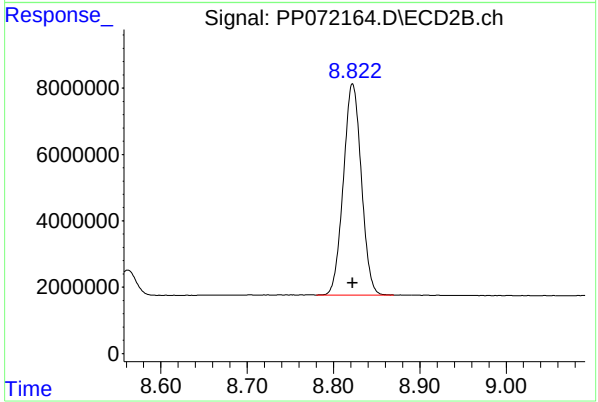
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: 0.000 min
Response: 154764993
Conc: 98.53 ng/ml



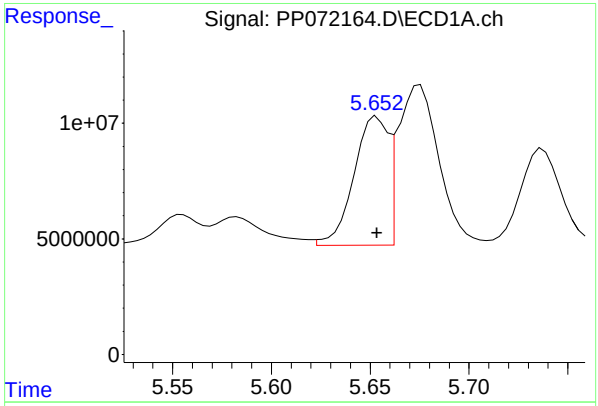
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 153826622
Conc: 96.35 ng/ml



#2 Decachlorobiphenyl

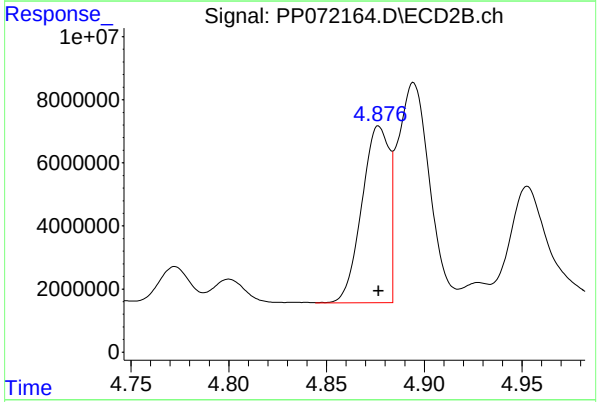
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 92020898
Conc: 91.41 ng/ml



#3 AR-1016-1

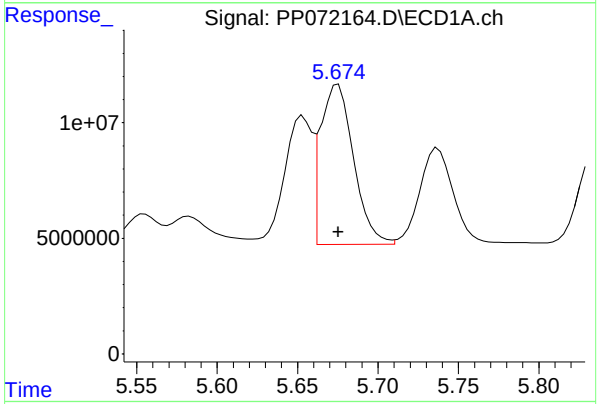
R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 66878491
Conc: 936.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



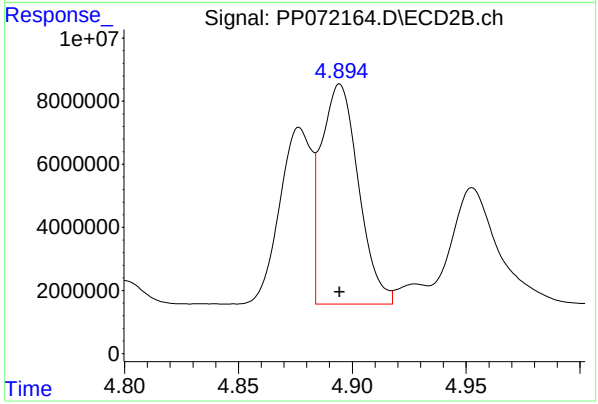
#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 54525663
Conc: 955.27 ng/ml



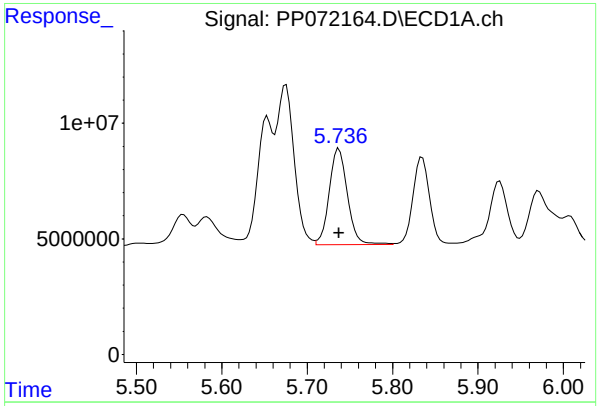
#4 AR-1016-2

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 99468528
Conc: 947.38 ng/ml



#4 AR-1016-2

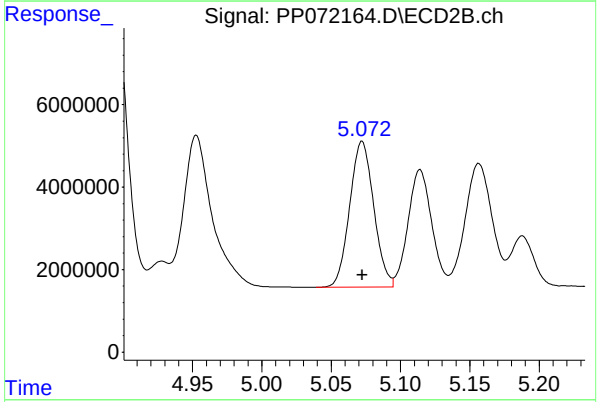
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 79772717
Conc: 966.58 ng/ml



#5 AR-1016-3

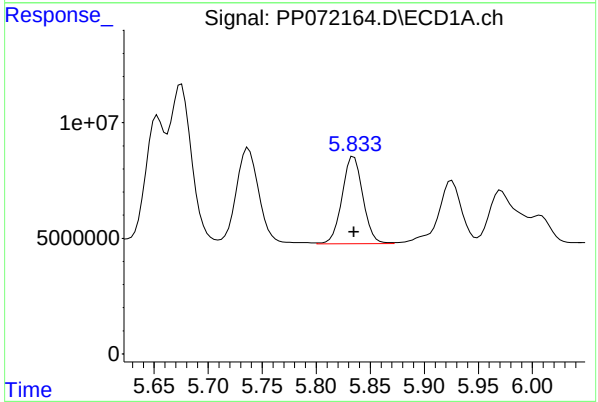
R.T.: 5.737 min
Delta R.T.: 0.000 min
Response: 61412187
Conc: 951.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



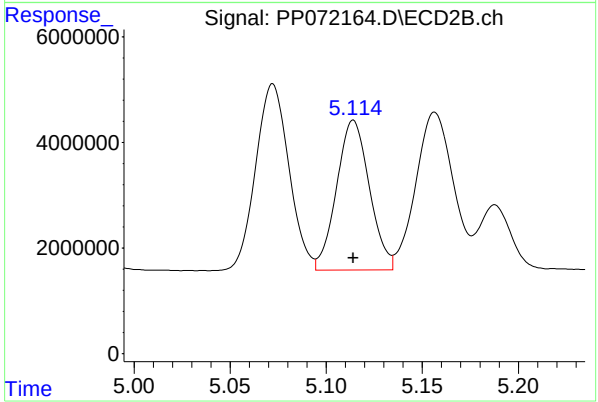
#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: 0.000 min
Response: 42641318
Conc: 947.88 ng/ml



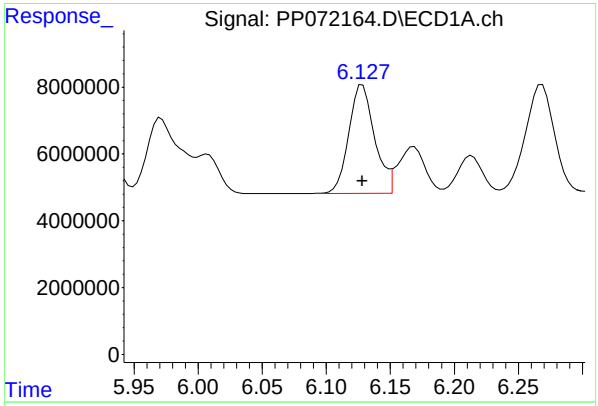
#6 AR-1016-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 50363803
Conc: 953.18 ng/ml



#6 AR-1016-4

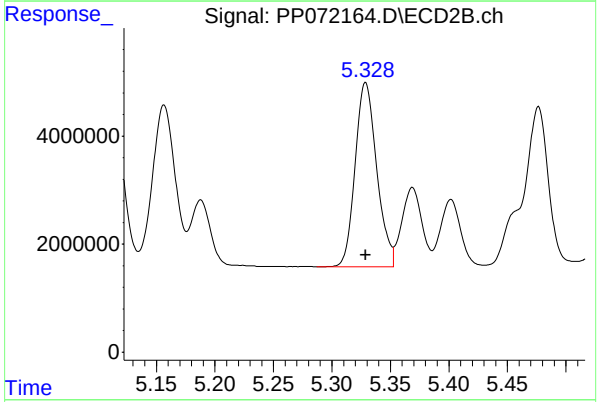
R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 33654246
Conc: 941.83 ng/ml



#7 AR-1016-5

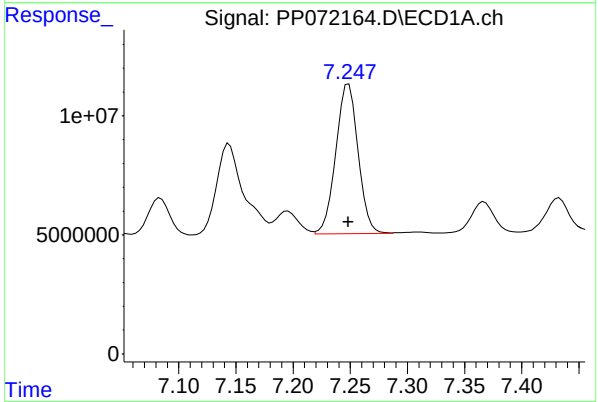
R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 45437165
Conc: 953.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



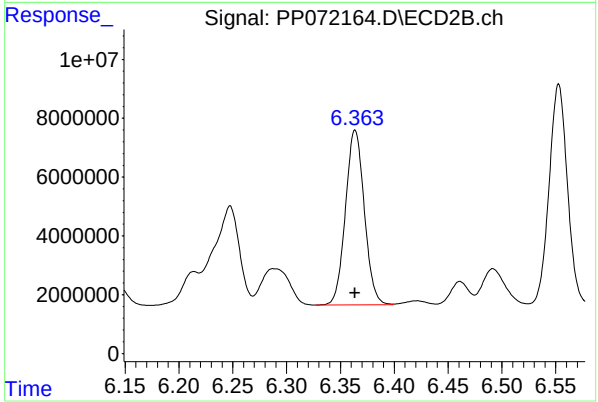
#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 43791070
Conc: 942.79 ng/ml



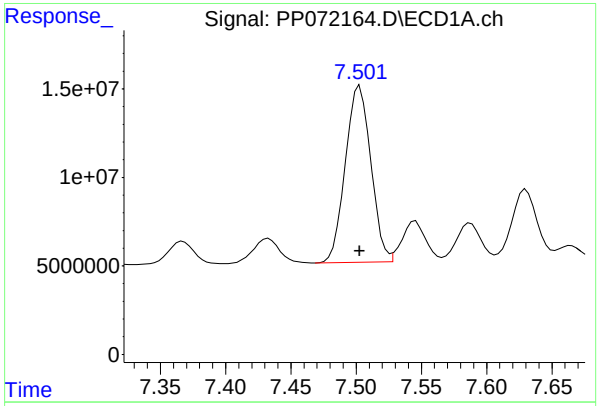
#31 AR-1260-1

R.T.: 7.249 min
Delta R.T.: 0.000 min
Response: 85553757
Conc: 953.19 ng/ml



#31 AR-1260-1

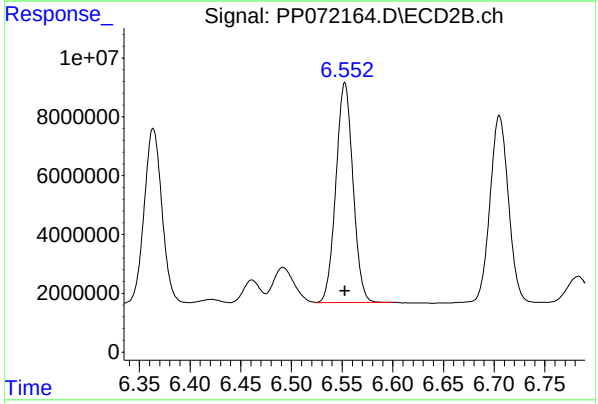
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 72244144
Conc: 946.74 ng/ml



#32 AR-1260-2

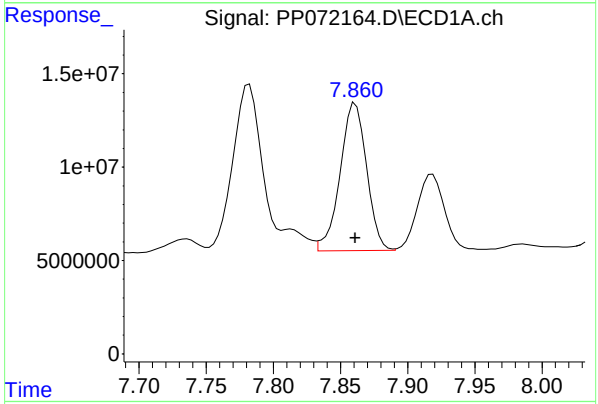
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 135650987
Conc: 971.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



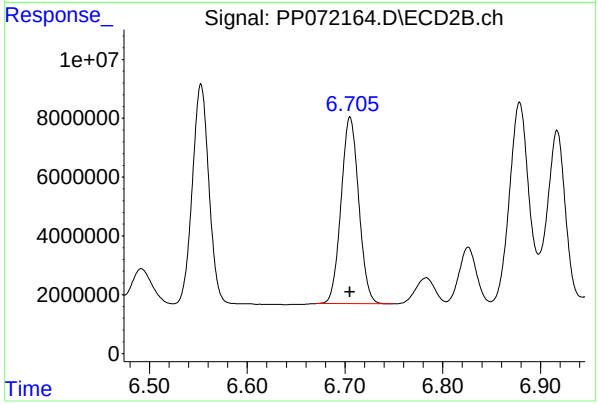
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 87664004
Conc: 941.84 ng/ml



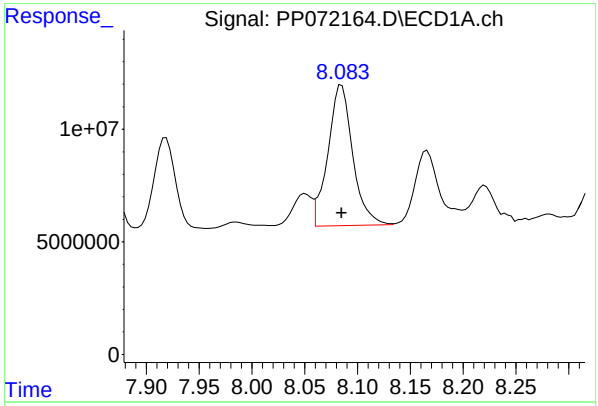
#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 109042220
Conc: 963.14 ng/ml



#33 AR-1260-3

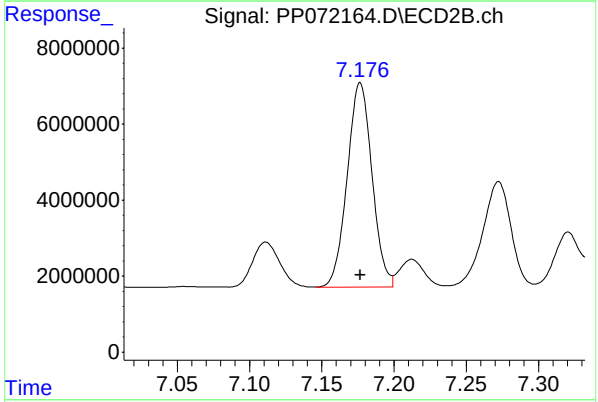
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 79909091
Conc: 946.53 ng/ml



#34 AR-1260-4

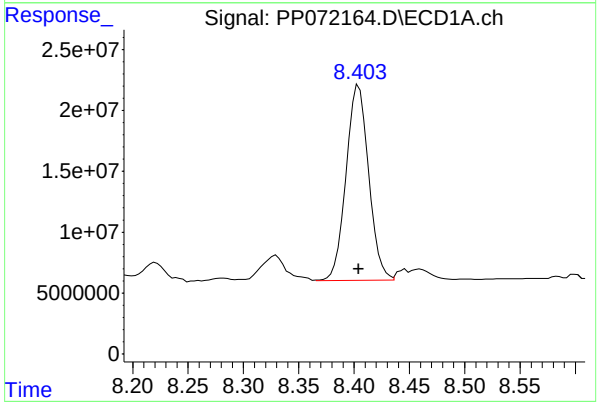
R.T.: 8.085 min
Delta R.T.: 0.000 min
Response: 102101329
Conc: 958.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



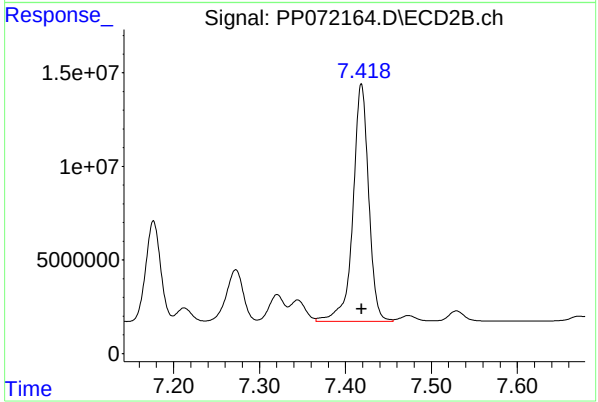
#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 64349922
Conc: 939.43 ng/ml



#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 228876095
Conc: 974.54 ng/ml



#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 161315528
Conc: 951.85 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:59
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.496	3.789	152.0E6	118.8E6	75.442	75.431
2)	SA Decachlor...	10.213	8.822	121.3E6	78372372	75.657	76.878
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.876	52371638	44137111	738.609	765.351
4)	L1 AR-1016-2	5.673	4.894	78350662	64615816	747.492	771.637
5)	L1 AR-1016-3	5.736	5.071	48176186	34764296	747.454	765.036
6)	L1 AR-1016-4	5.833	5.114	40053007	27566181	755.339	764.168
7)	L1 AR-1016-5	6.127	5.328	35956306	35808108	752.783	763.822
31)	L7 AR-1260-1	7.247	6.363	67759813	56480819	753.285	743.413
32)	L7 AR-1260-2	7.500	6.552	103.3E6	67774056	743.256	735.291
33)	L7 AR-1260-3	7.860	6.705	84615905	60994772	748.257	731.431
34)	L7 AR-1260-4	8.084	7.176	80330794	50763991	752.749	744.038
35)	L7 AR-1260-5	8.404	7.418	175.3E6	125.2E6	747.551	742.474

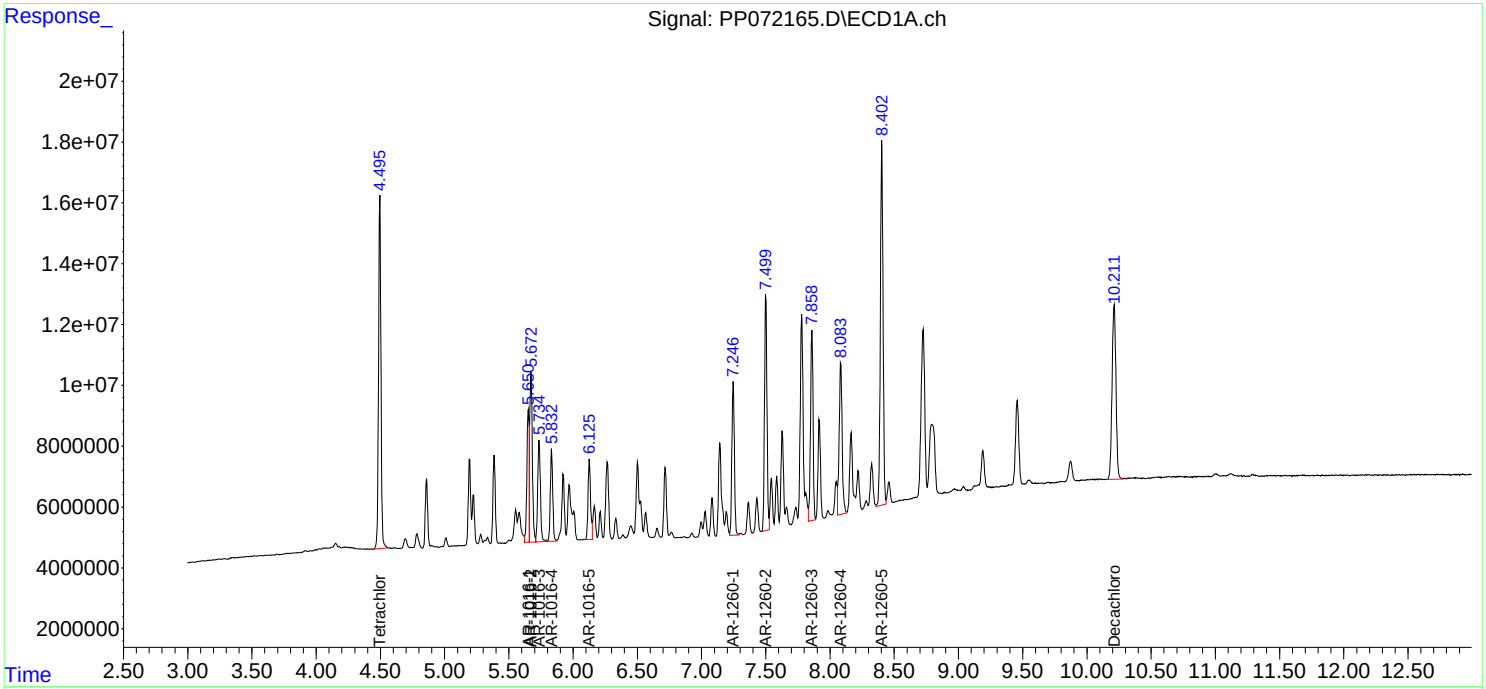
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

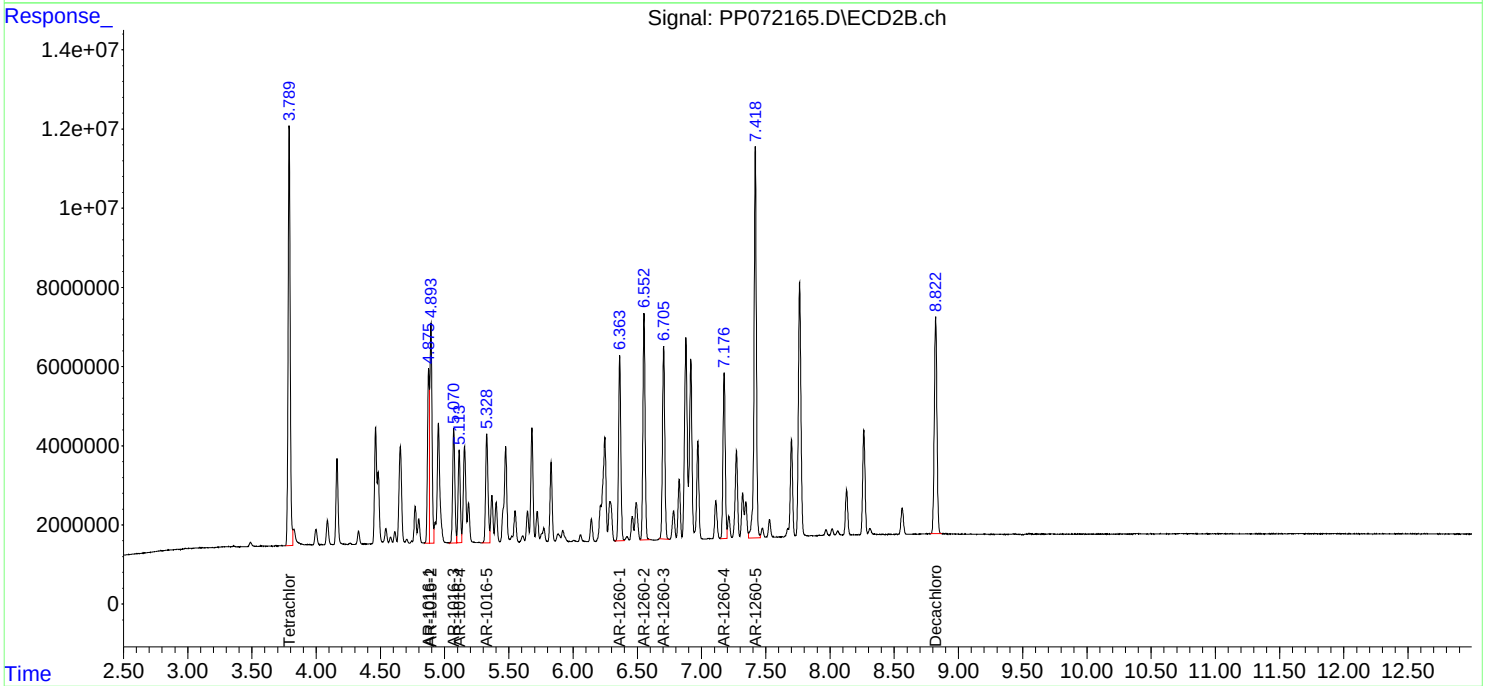
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:59
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

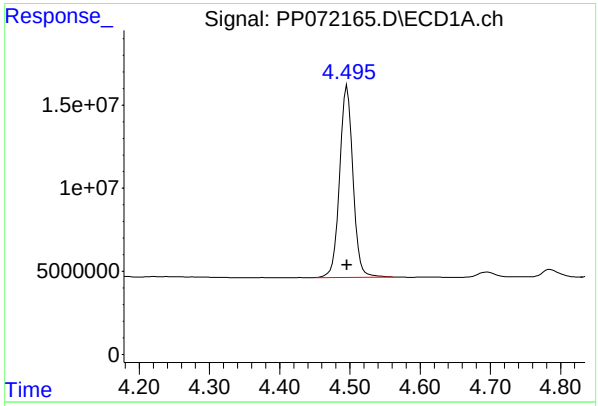
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



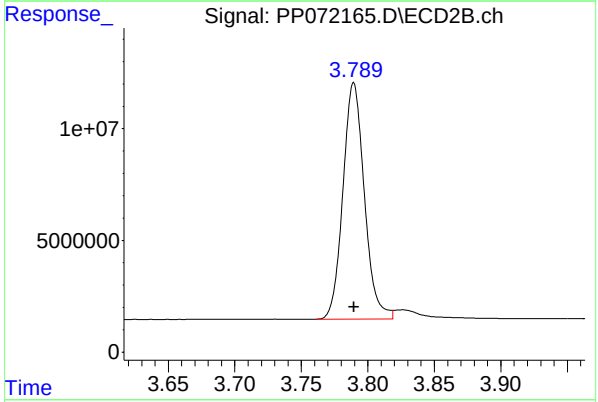




#1 Tetrachloro-m-xylene

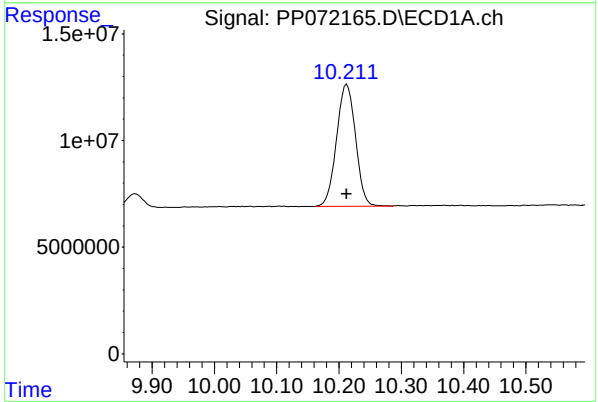
R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 151992150
Conc: 75.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



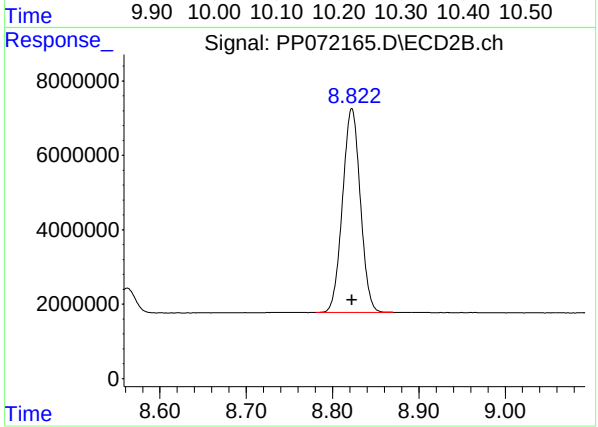
#1 Tetrachloro-m-xylene

R.T.: 3.789 min
Delta R.T.: 0.000 min
Response: 118818233
Conc: 75.43 ng/ml



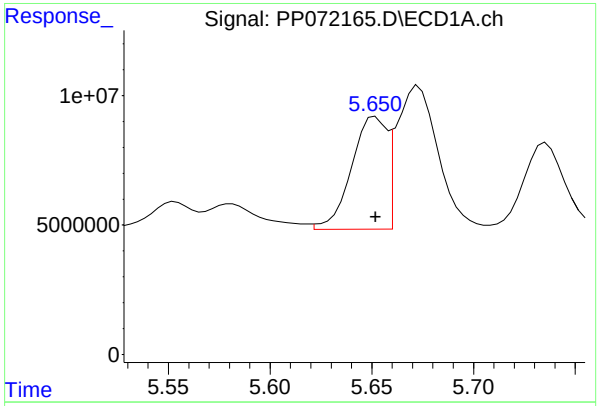
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 121319339
Conc: 75.66 ng/ml



#2 Decachlorobiphenyl

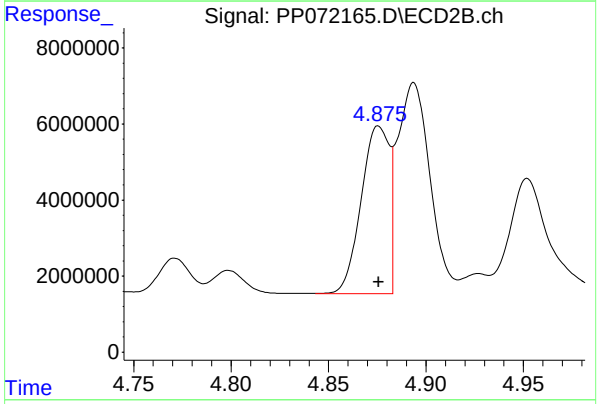
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 78372372
Conc: 76.88 ng/ml



#3 AR-1016-1

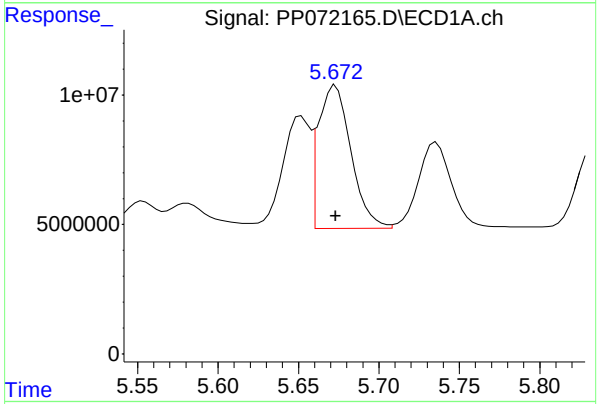
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 52371638
Conc: 738.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



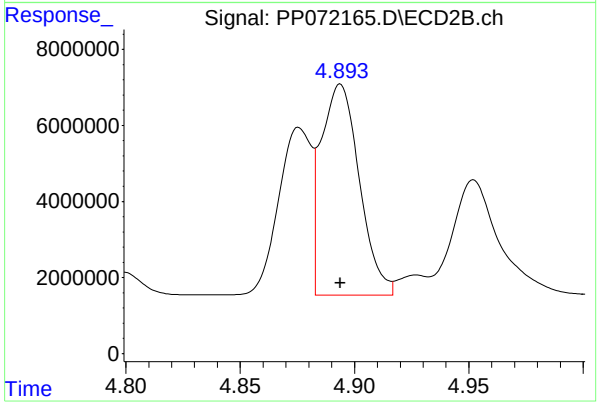
#3 AR-1016-1

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 44137111
Conc: 765.35 ng/ml



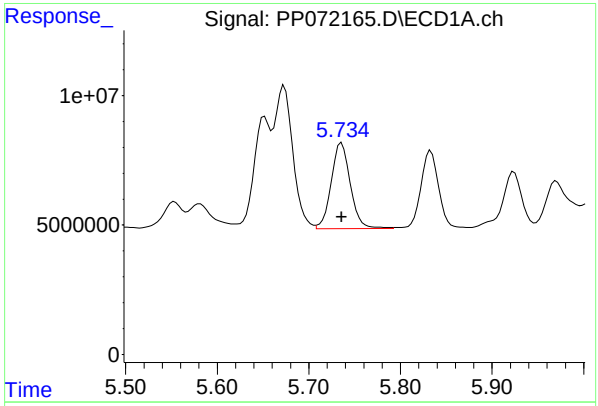
#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 78350662
Conc: 747.49 ng/ml



#4 AR-1016-2

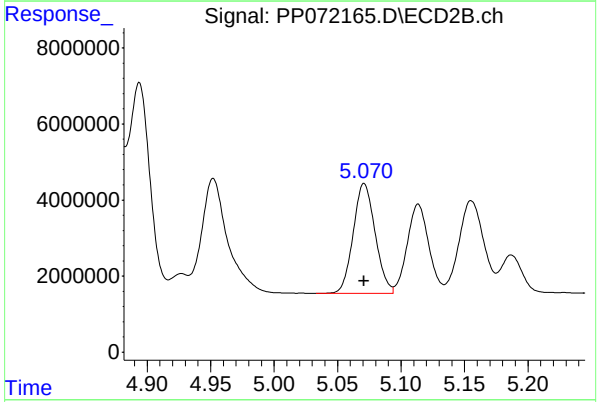
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 64615816
Conc: 771.64 ng/ml



#5 AR-1016-3

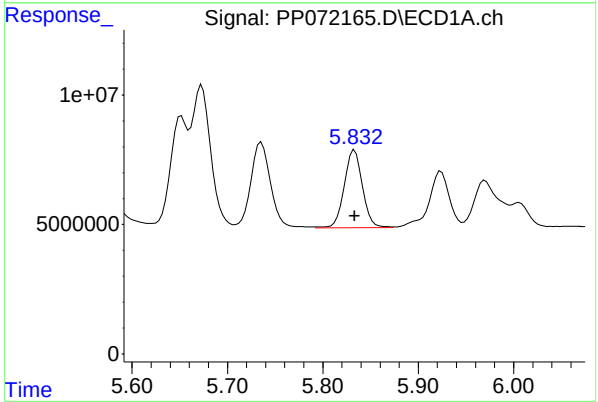
R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 48176186
Conc: 747.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



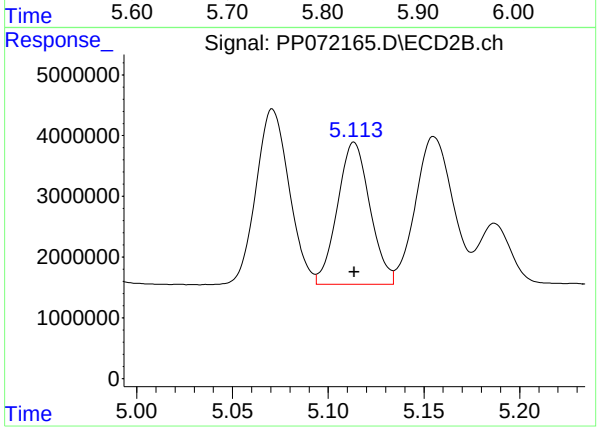
#5 AR-1016-3

R.T.: 5.071 min
Delta R.T.: 0.000 min
Response: 34764296
Conc: 765.04 ng/ml



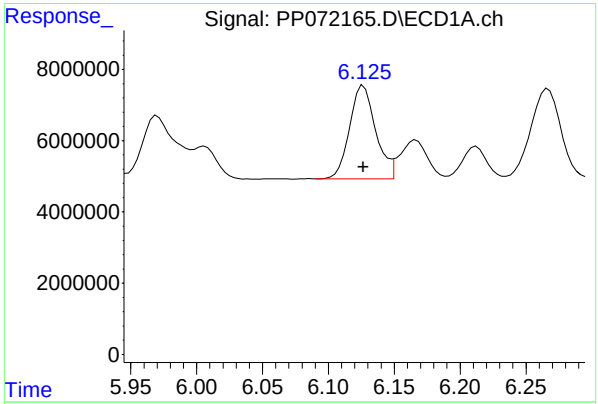
#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 40053007
Conc: 755.34 ng/ml



#6 AR-1016-4

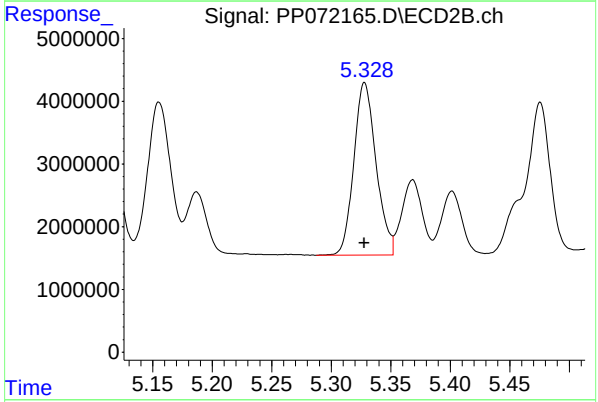
R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 27566181
Conc: 764.17 ng/ml



#7 AR-1016-5

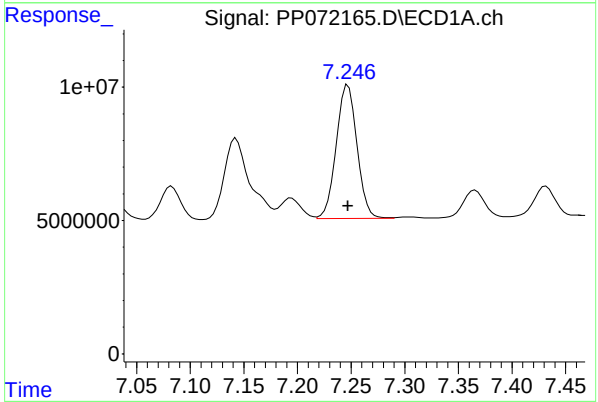
R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 35956306
Conc: 752.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



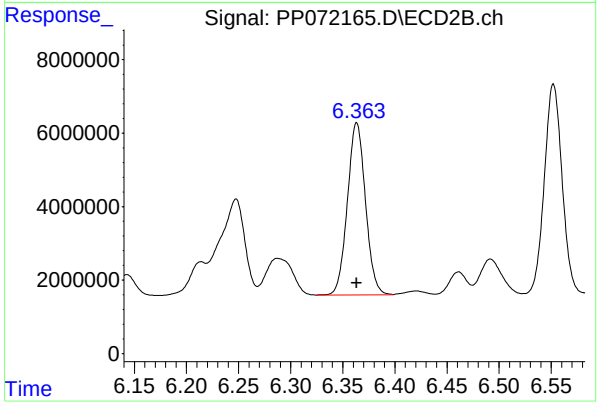
#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: 0.000 min
Response: 35808108
Conc: 763.82 ng/ml



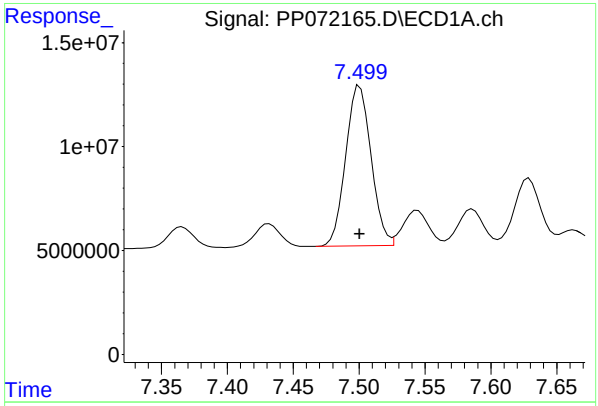
#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 67759813
Conc: 753.28 ng/ml



#31 AR-1260-1

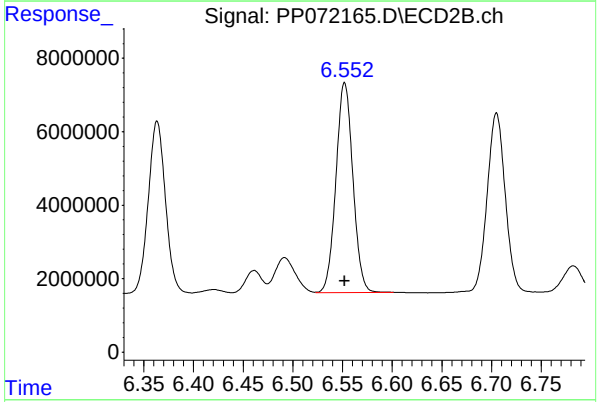
R.T.: 6.363 min
Delta R.T.: 0.000 min
Response: 56480819
Conc: 743.41 ng/ml



#32 AR-1260-2

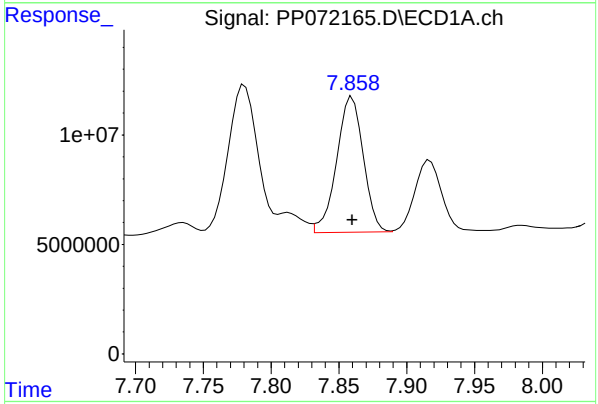
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 103316307
Conc: 743.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



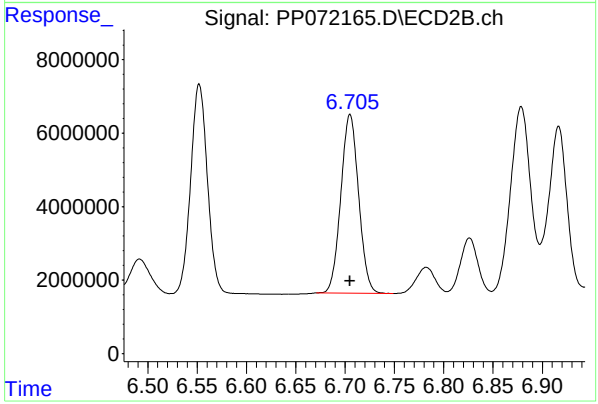
#32 AR-1260-2

R.T.: 6.552 min
Delta R.T.: 0.000 min
Response: 67774056
Conc: 735.29 ng/ml



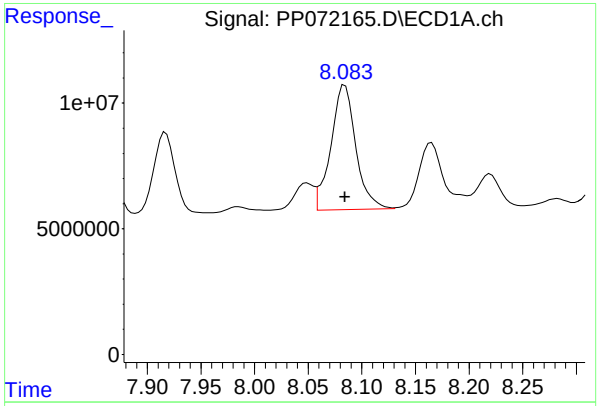
#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: 0.000 min
Response: 84615905
Conc: 748.26 ng/ml



#33 AR-1260-3

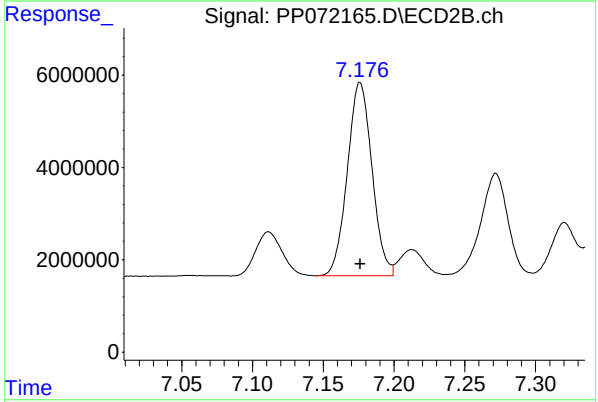
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 60994772
Conc: 731.43 ng/ml



#34 AR-1260-4

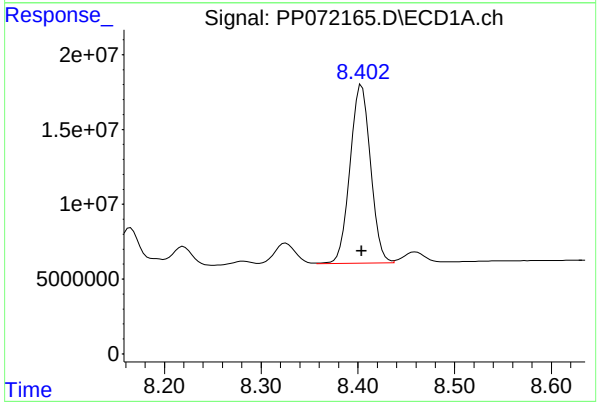
R.T.: 8.084 min
Delta R.T.: 0.000 min
Response: 80330794
Conc: 752.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



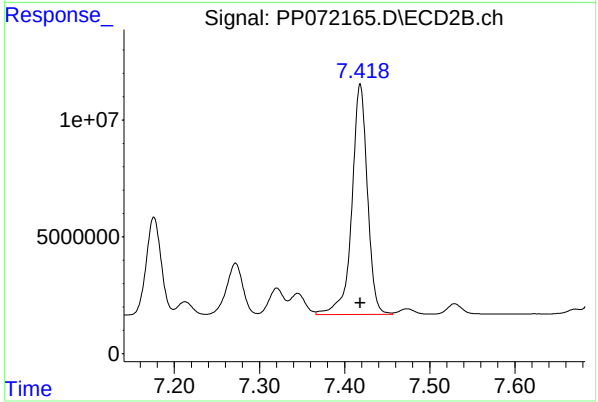
#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 50763991
Conc: 744.04 ng/ml



#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 175280166
Conc: 747.55 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 125203183
Conc: 742.47 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:15
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:55:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.496	3.791	103.6E6	79685211	50.000	50.000
2)	SA Decachlor...	10.213	8.823	82738232	54656808	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.877	38005022	29816144	500.000	500.000
4)	L1 AR-1016-2	5.674	4.895	55259111	42644379	500.000	500.000
5)	L1 AR-1016-3	5.736	5.073	33857030	23665215	500.000	500.000
6)	L1 AR-1016-4	5.834	5.115	27655933	18905601	500.000	500.000
7)	L1 AR-1016-5	6.127	5.329	24957303	24552684	500.000	500.000
31)	L7 AR-1260-1	7.247	6.364	46978579	40186653	500.000	500.000
32)	L7 AR-1260-2	7.501	6.553	71804602	49245044	500.000	500.000
33)	L7 AR-1260-3	7.860	6.706	58694311	44468768	500.000	500.000
34)	L7 AR-1260-4	8.085	7.177	55470384	36323860	500.000	500.000
35)	L7 AR-1260-5	8.403	7.419	120.4E6	88817890	500.000	500.000

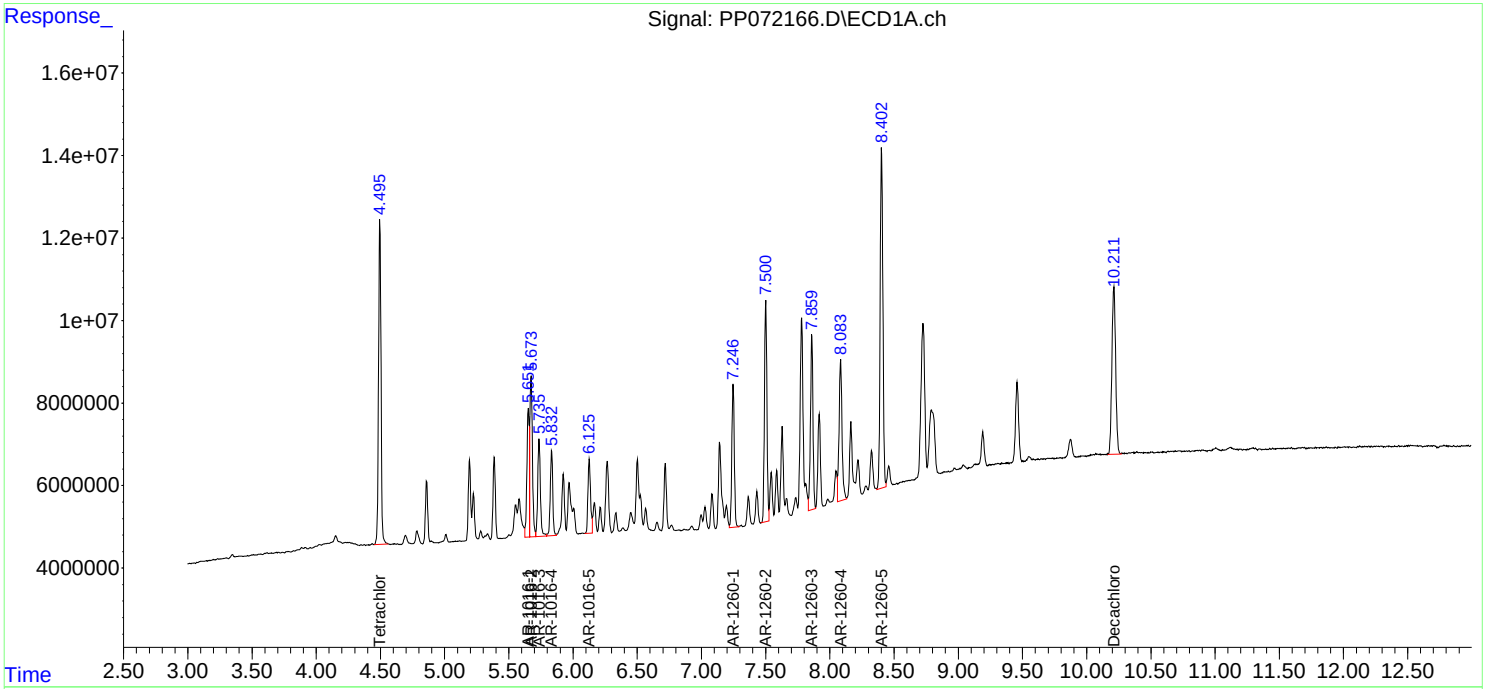
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

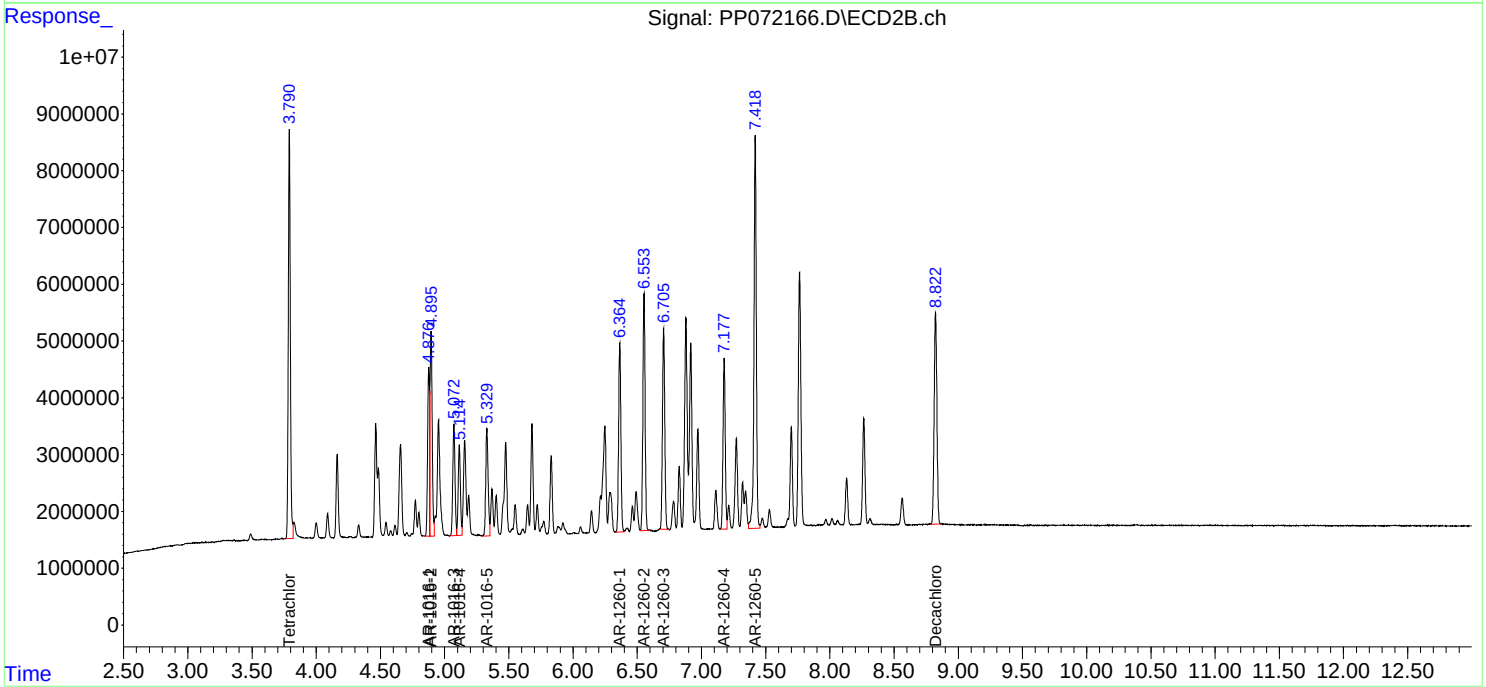
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:15
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

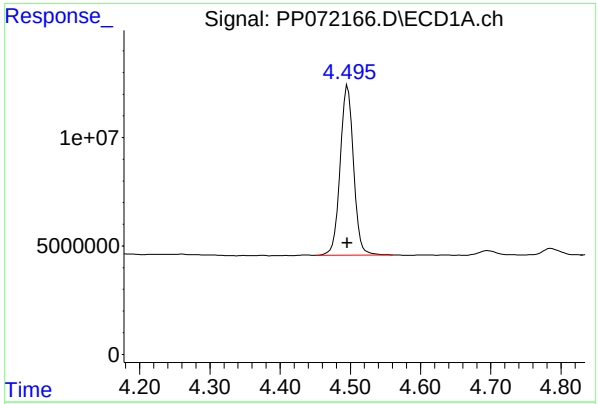
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:55:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



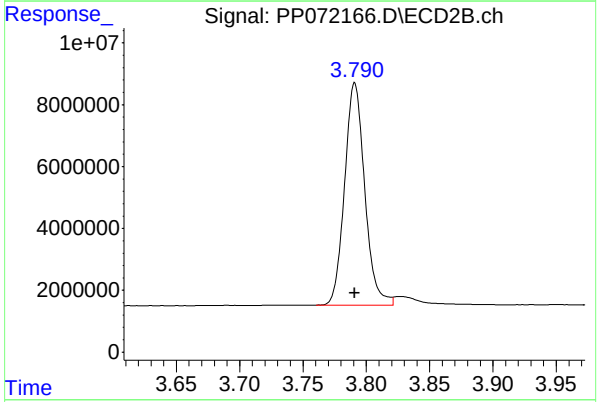




#1 Tetrachloro-m-xylene

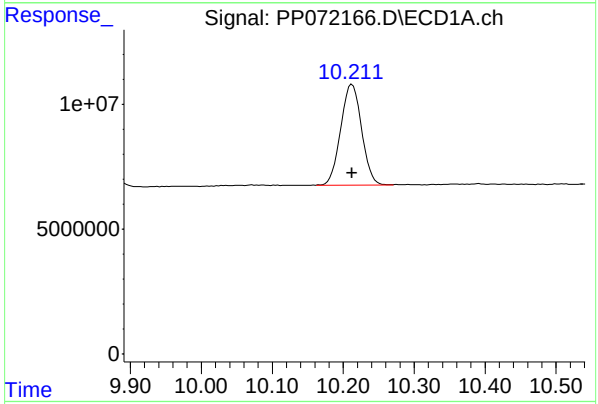
R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 103640362
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



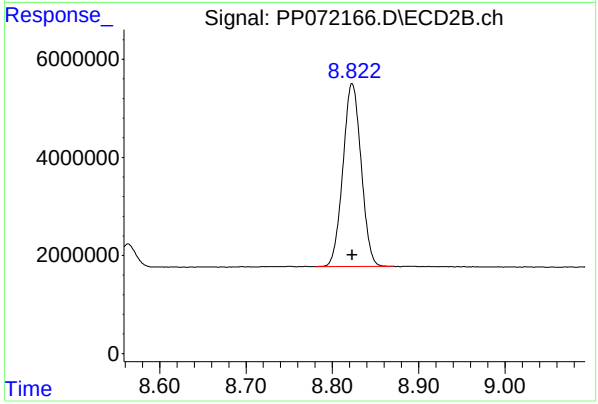
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: 0.000 min
Response: 79685211
Conc: 50.00 ng/ml



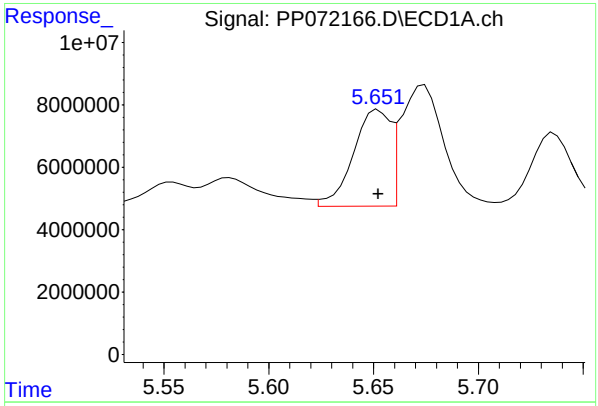
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 82738232
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

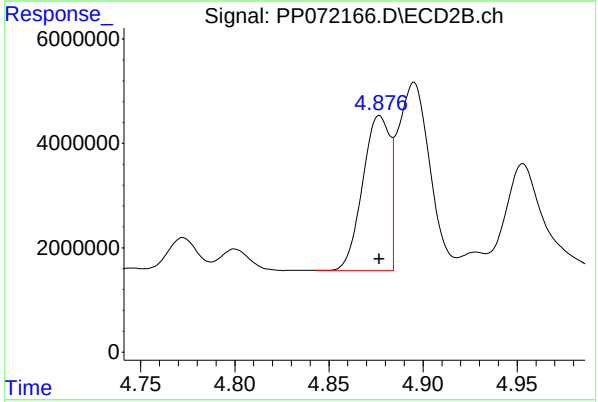
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 54656808
Conc: 50.00 ng/ml



#3 AR-1016-1

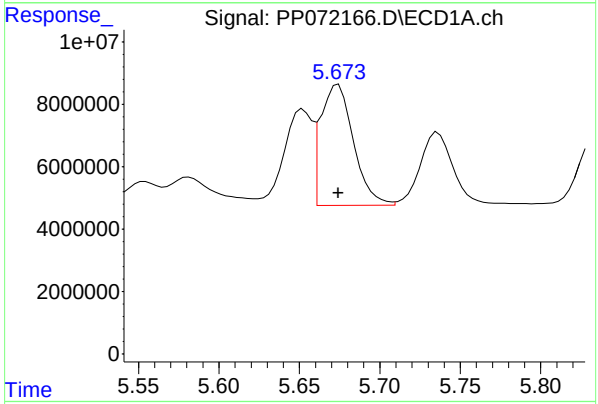
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 38005022
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



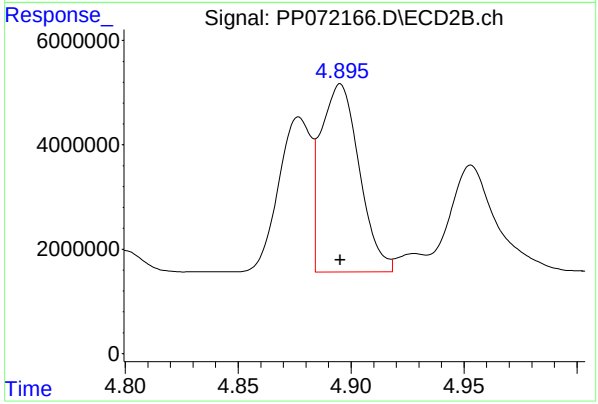
#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 29816144
Conc: 500.00 ng/ml



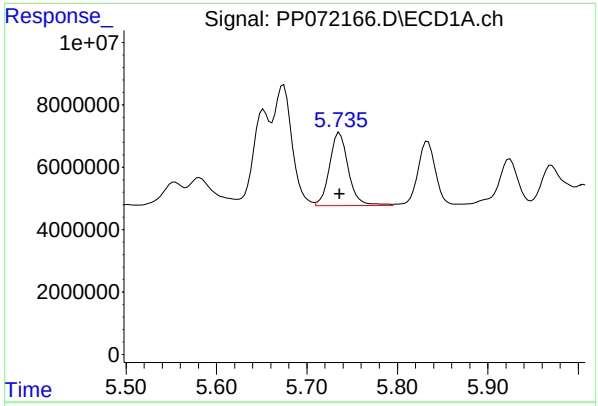
#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 55259111
Conc: 500.00 ng/ml



#4 AR-1016-2

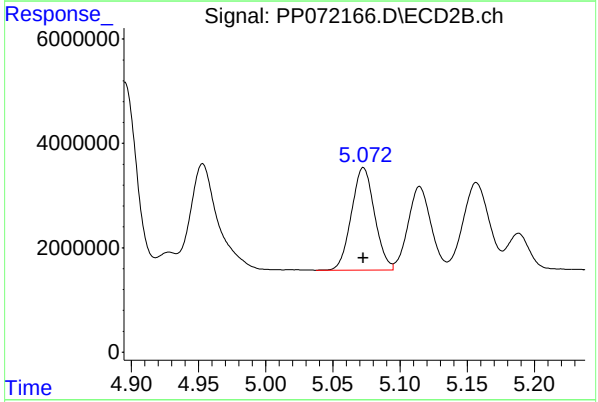
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 42644379
Conc: 500.00 ng/ml



#5 AR-1016-3

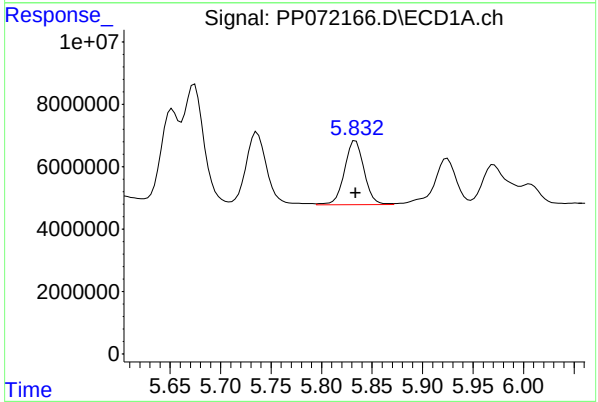
R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 33857030
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



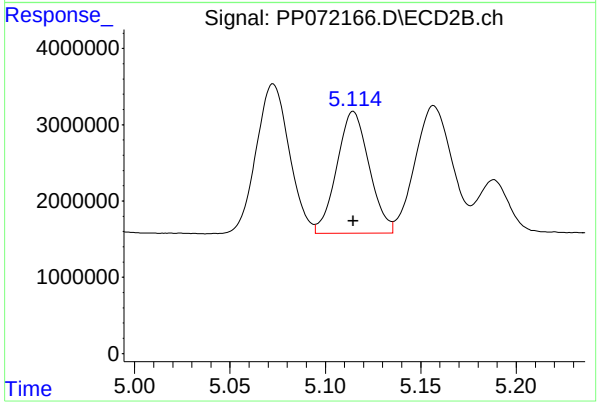
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 23665215
Conc: 500.00 ng/ml



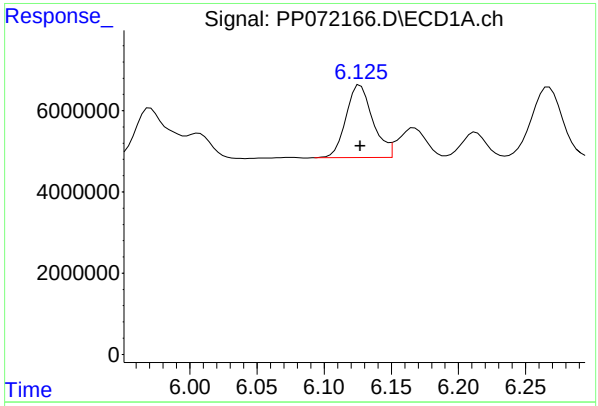
#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 27655933
Conc: 500.00 ng/ml



#6 AR-1016-4

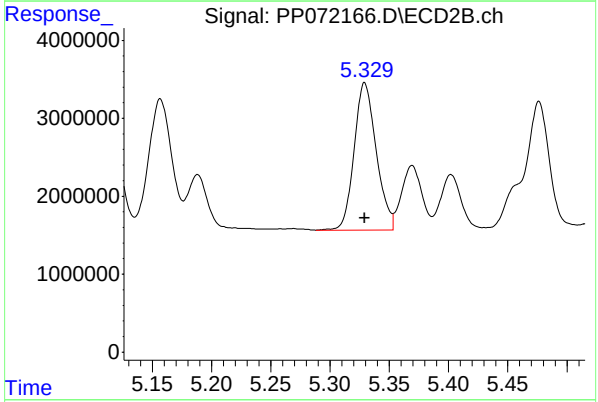
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 18905601
Conc: 500.00 ng/ml



#7 AR-1016-5

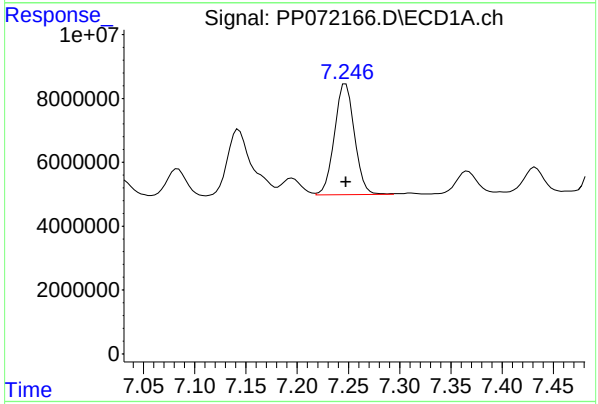
R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 24957303
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



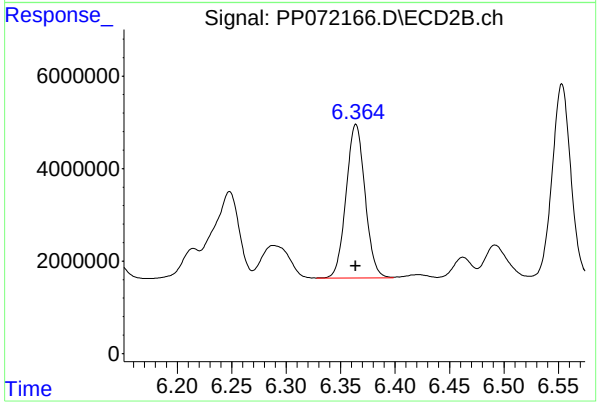
#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 24552684
Conc: 500.00 ng/ml



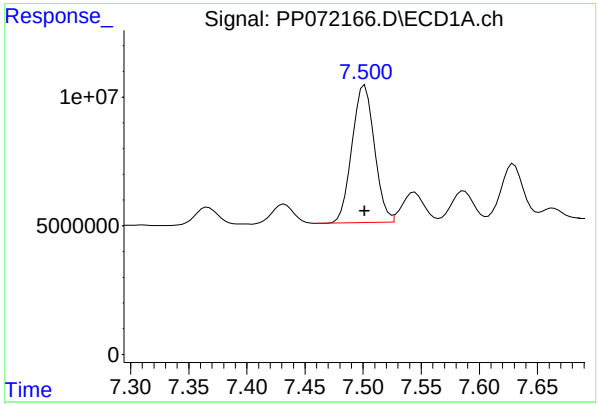
#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 46978579
Conc: 500.00 ng/ml



#31 AR-1260-1

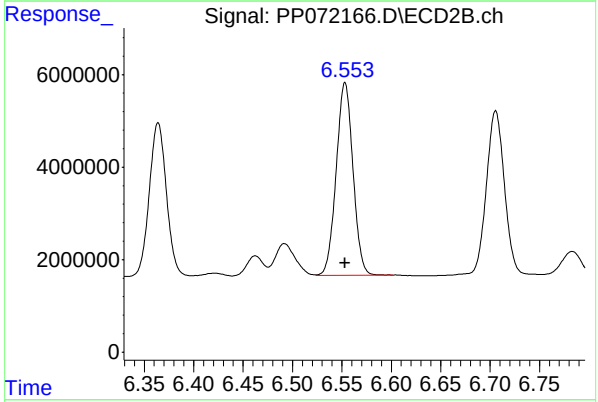
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 40186653
Conc: 500.00 ng/ml



#32 AR-1260-2

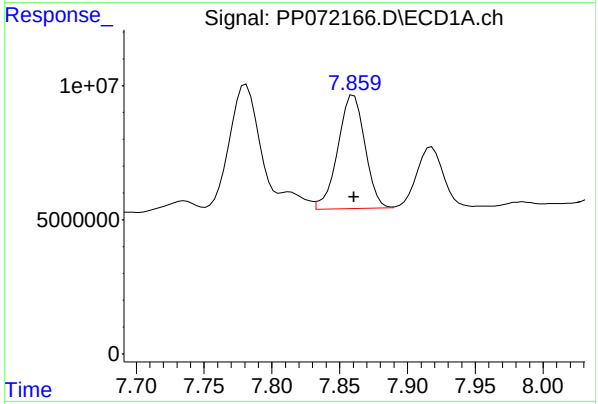
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 71804602
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



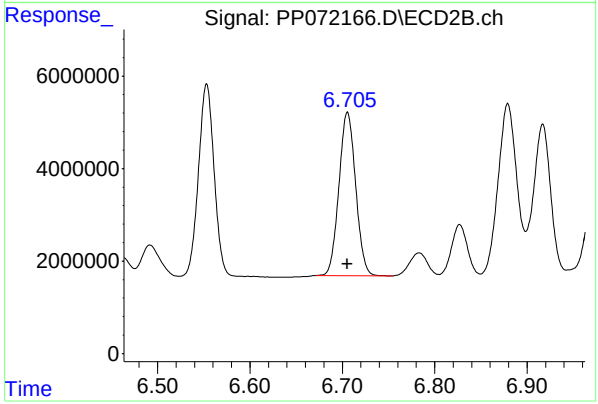
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 49245044
Conc: 500.00 ng/ml



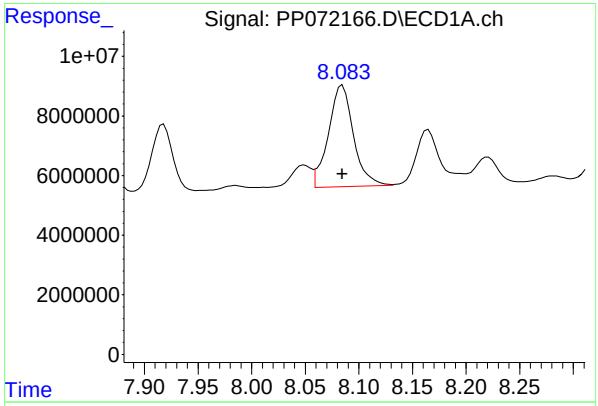
#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: 0.000 min
Response: 58694311
Conc: 500.00 ng/ml



#33 AR-1260-3

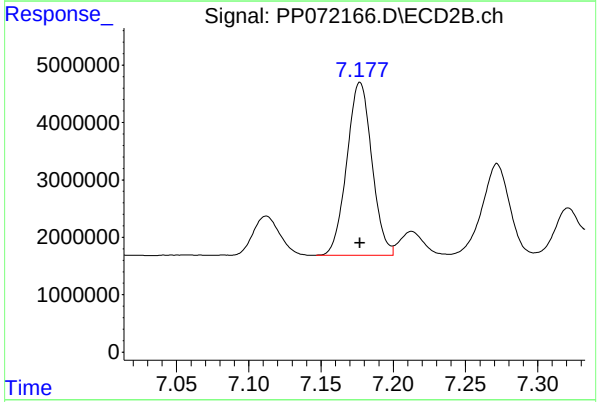
R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 44468768
Conc: 500.00 ng/ml



#34 AR-1260-4

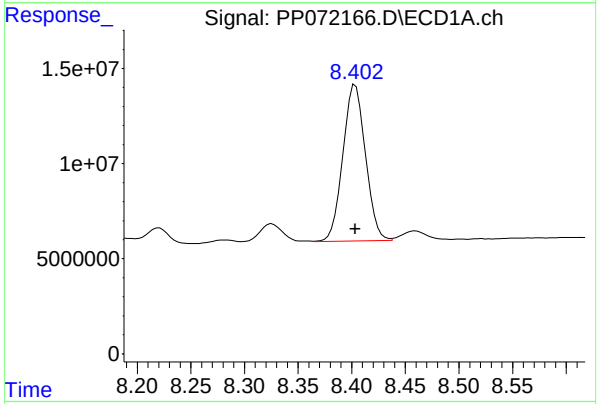
R.T.: 8.085 min
Delta R.T.: 0.000 min
Response: 55470384
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



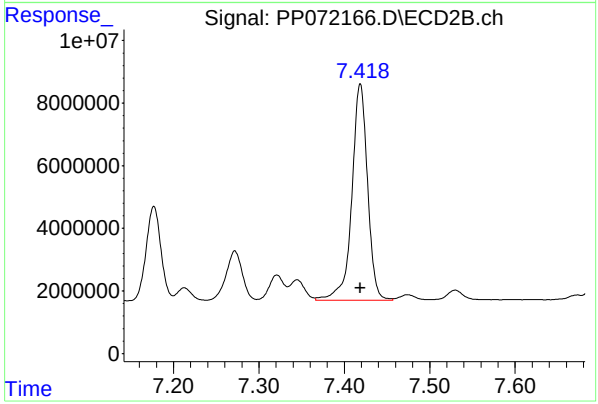
#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 36323860
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 120417133
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 88817890
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:32
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.792	53397667	40989034	26.111	25.758
2)	SA Decachlor...	10.213	8.823	42804673	29089475	26.249	27.561
	Target Compounds						
3)	L1 AR-1016-1	5.655	4.878	20802992	16128858	281.189	271.618
4)	L1 AR-1016-2	5.676	4.896	29644893	23113324	273.834	269.018
5)	L1 AR-1016-3	5.739	5.073	18387723	12747298	275.562	272.213
6)	L1 AR-1016-4	5.837	5.115	14555177	10380280	267.927	277.285
7)	L1 AR-1016-5	6.130	5.330	12797446	13425333	263.209	276.324
31)	L7 AR-1260-1	7.248	6.364	24515226	21211058	266.529	271.268
32)	L7 AR-1260-2	7.504	6.553	37350124	26231122	263.765	275.072
33)	L7 AR-1260-3	7.862	6.705	30309213	23123504	263.279	269.924
34)	L7 AR-1260-4	8.086	7.177	28647958	19427779	263.586	275.187
35)	L7 AR-1260-5	8.406	7.418	62484280	46879399	262.166	270.430

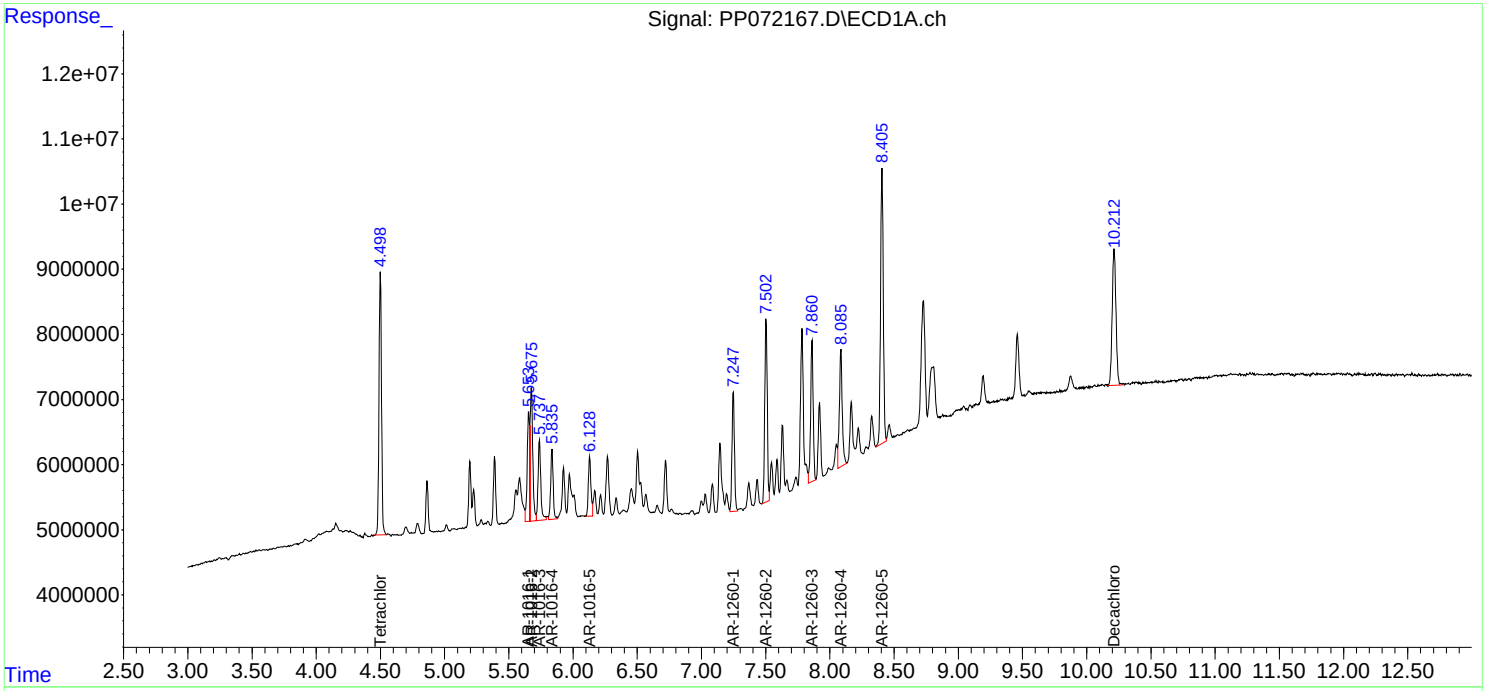
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

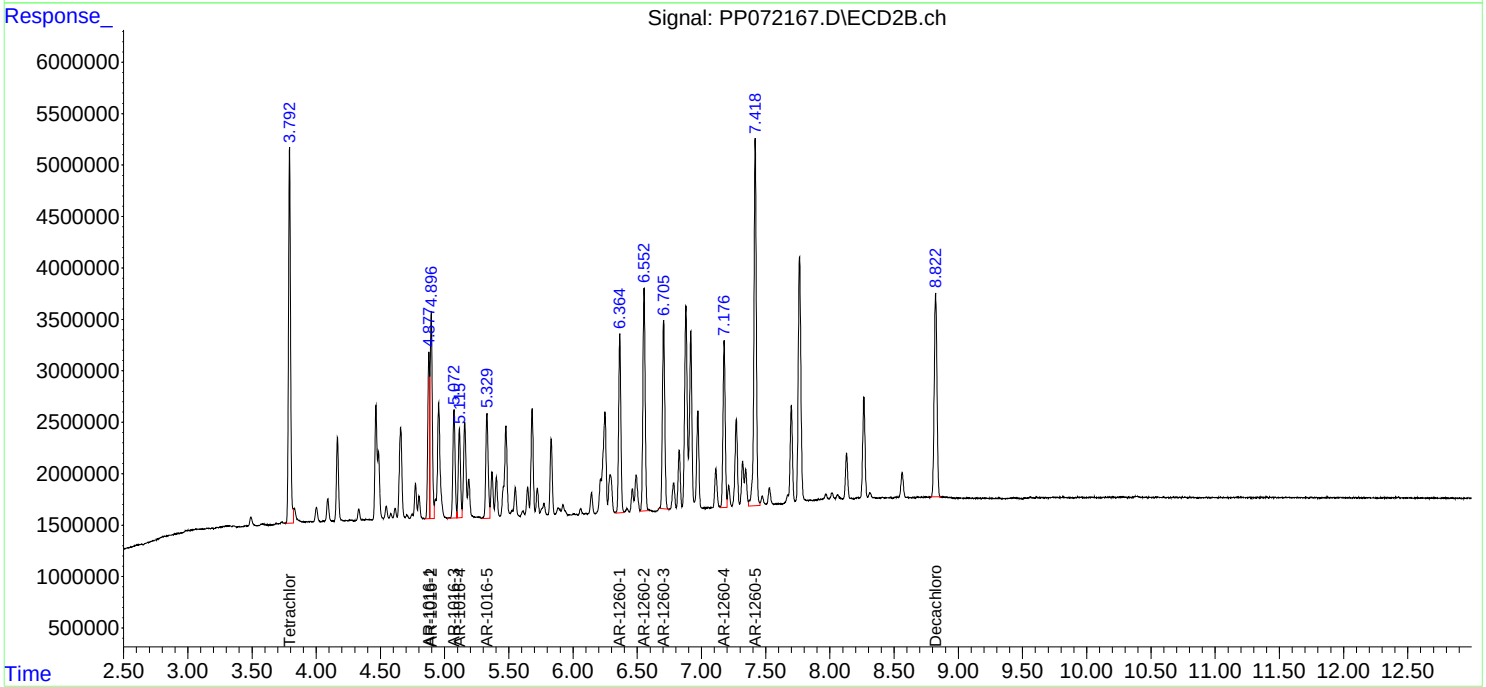
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:32
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

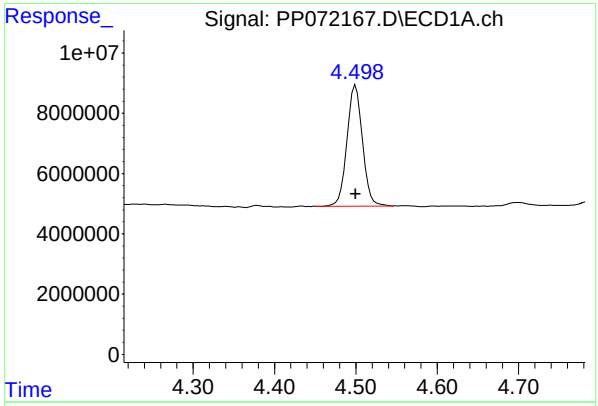
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



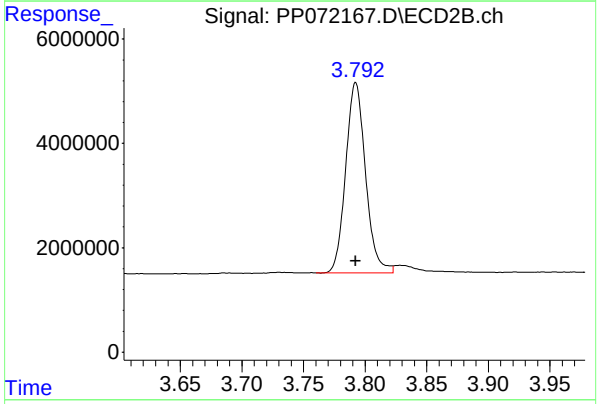




#1 Tetrachloro-m-xylene

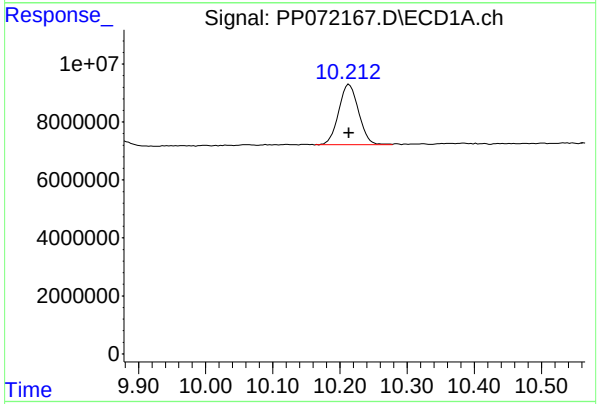
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 53397667
Conc: 26.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



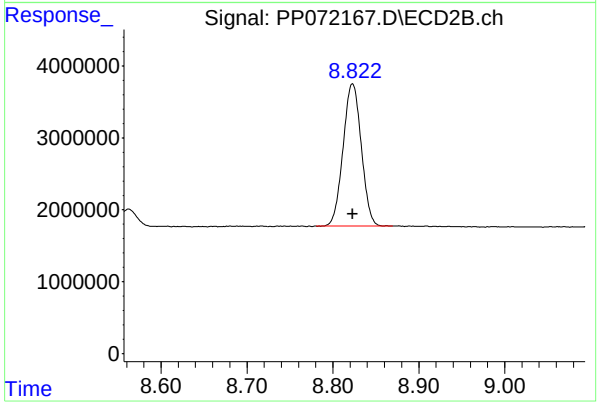
#1 Tetrachloro-m-xylene

R.T.: 3.792 min
Delta R.T.: 0.000 min
Response: 40989034
Conc: 25.76 ng/ml



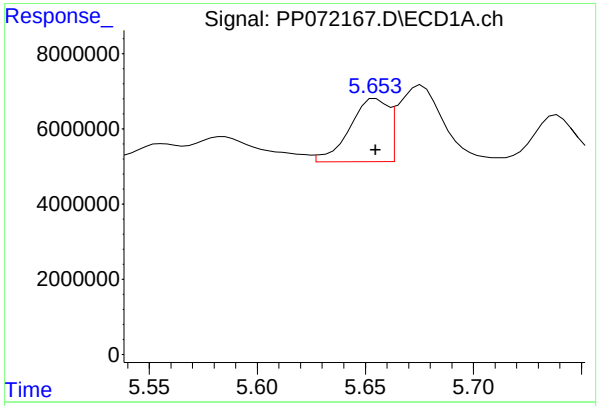
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 42804673
Conc: 26.25 ng/ml



#2 Decachlorobiphenyl

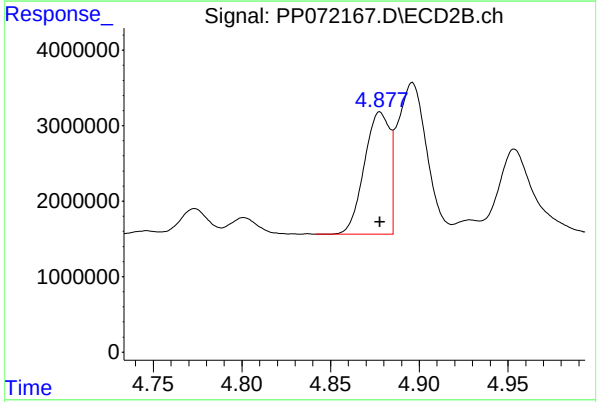
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 29089475
Conc: 27.56 ng/ml



#3 AR-1016-1

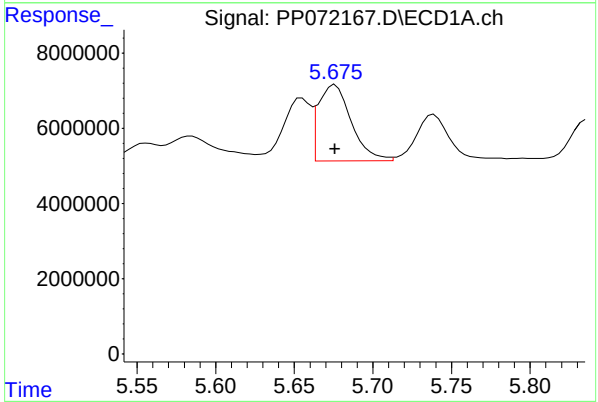
R.T.: 5.655 min
Delta R.T.: 0.000 min
Response: 20802992
Conc: 281.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



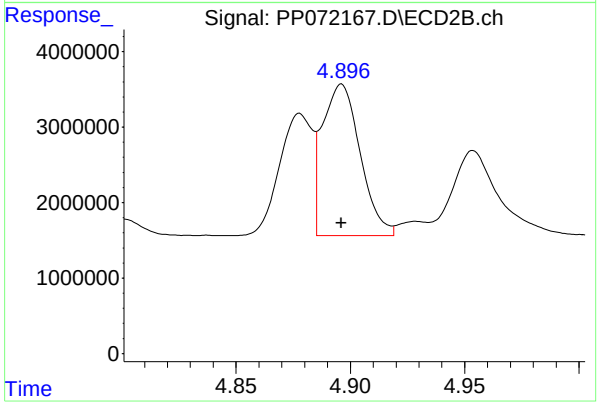
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 16128858
Conc: 271.62 ng/ml



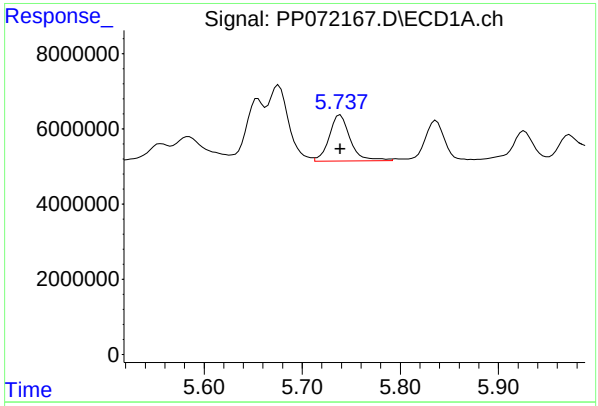
#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 29644893
Conc: 273.83 ng/ml



#4 AR-1016-2

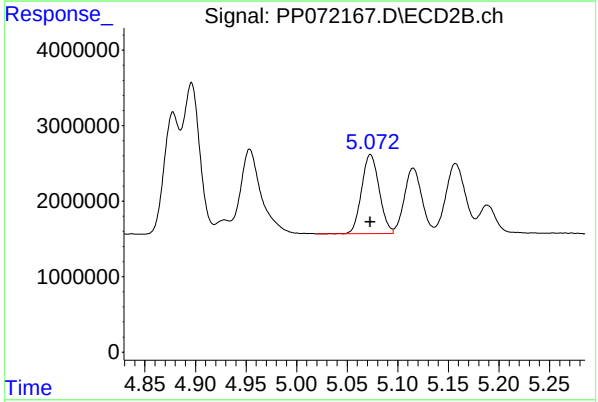
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 23113324
Conc: 269.02 ng/ml



#5 AR-1016-3

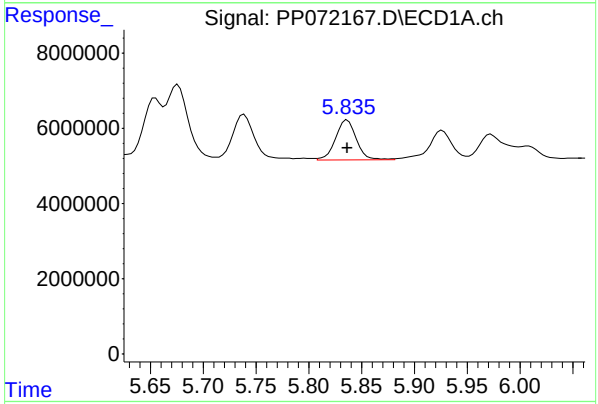
R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 18387723
Conc: 275.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



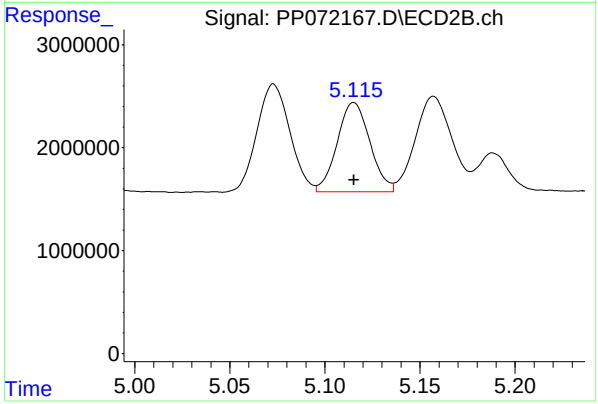
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 12747298
Conc: 272.21 ng/ml



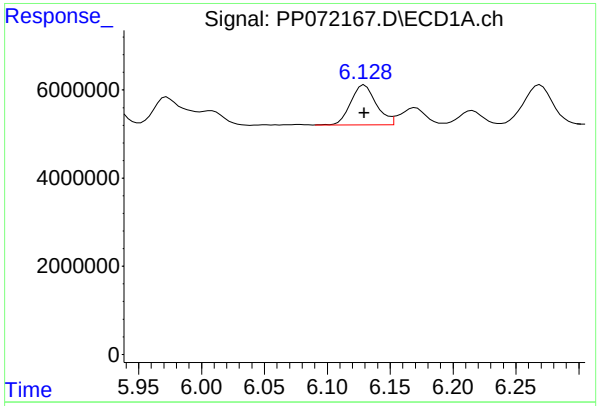
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 14555177
Conc: 267.93 ng/ml



#6 AR-1016-4

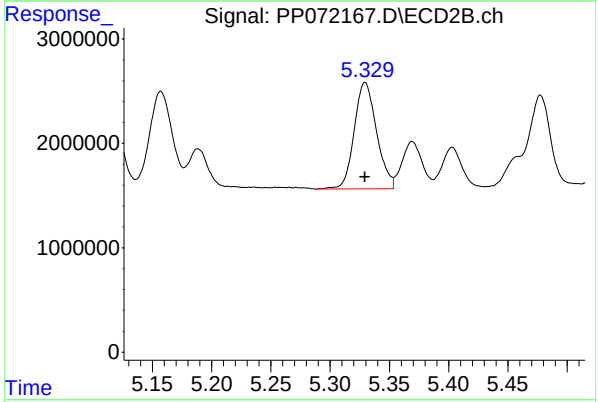
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 10380280
Conc: 277.29 ng/ml



#7 AR-1016-5

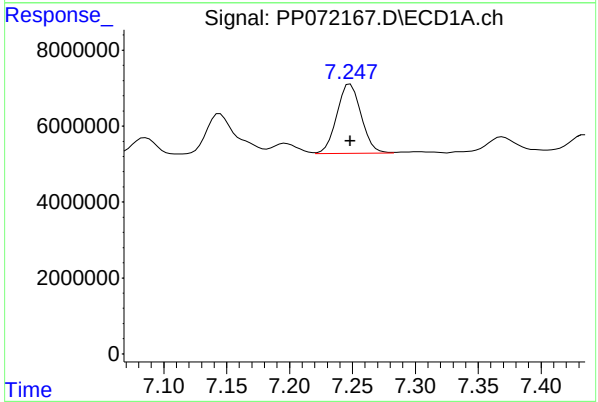
R.T.: 6.130 min
Delta R.T.: 0.000 min
Response: 12797446
Conc: 263.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



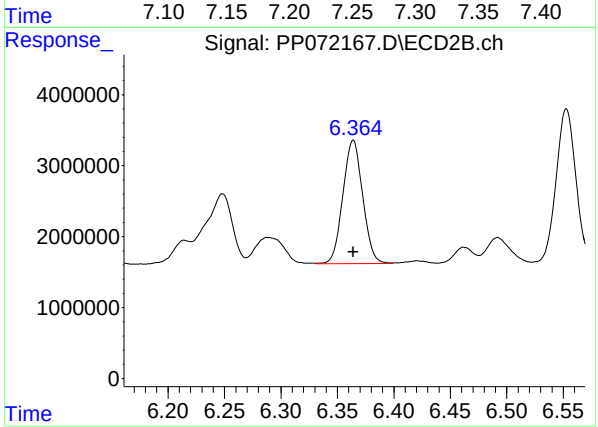
#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 13425333
Conc: 276.32 ng/ml



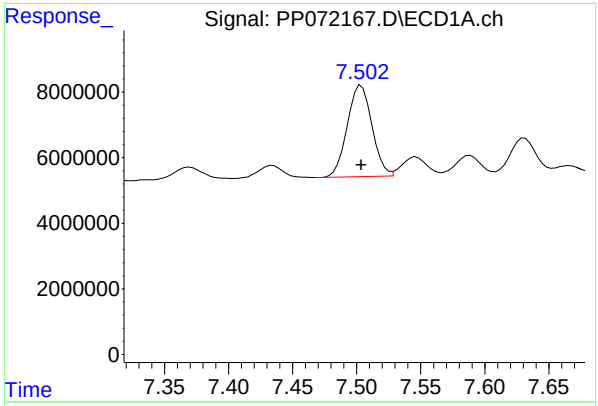
#31 AR-1260-1

R.T.: 7.248 min
Delta R.T.: 0.000 min
Response: 24515226
Conc: 266.53 ng/ml



#31 AR-1260-1

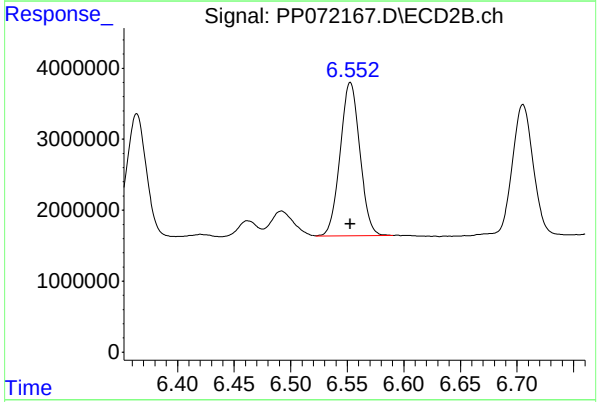
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 21211058
Conc: 271.27 ng/ml



#32 AR-1260-2

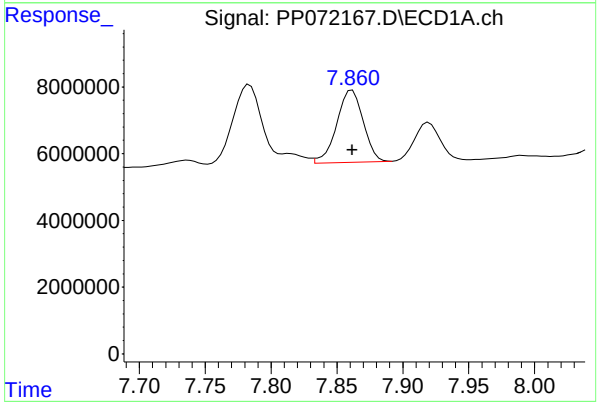
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 37350124
Conc: 263.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



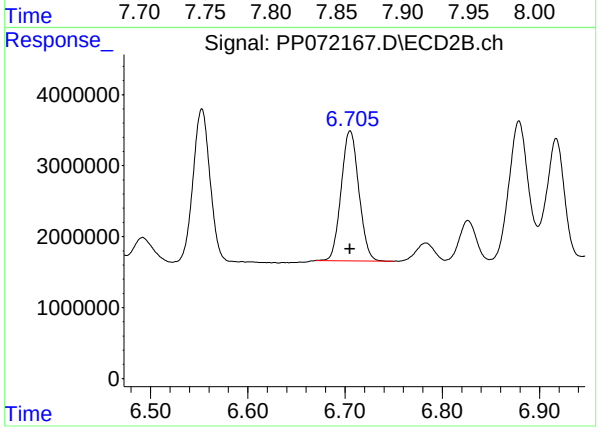
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 26231122
Conc: 275.07 ng/ml



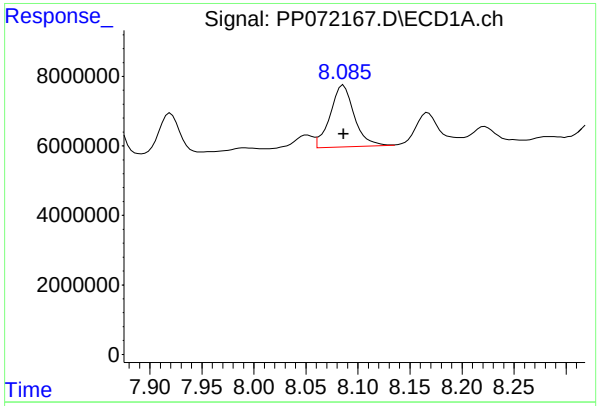
#33 AR-1260-3

R.T.: 7.862 min
Delta R.T.: 0.000 min
Response: 30309213
Conc: 263.28 ng/ml



#33 AR-1260-3

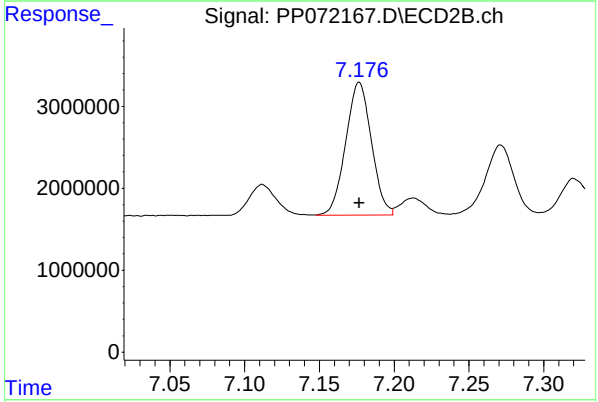
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 23123504
Conc: 269.92 ng/ml



#34 AR-1260-4

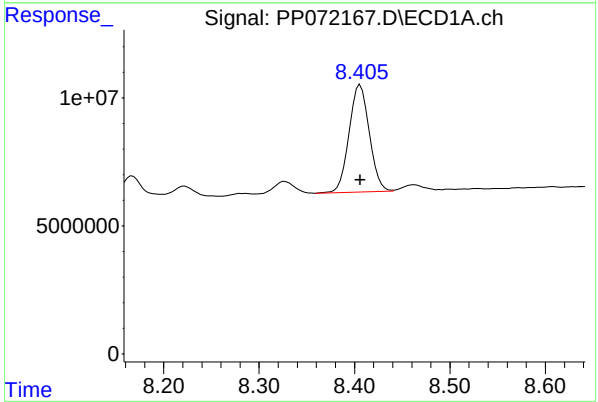
R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 28647958
Conc: 263.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



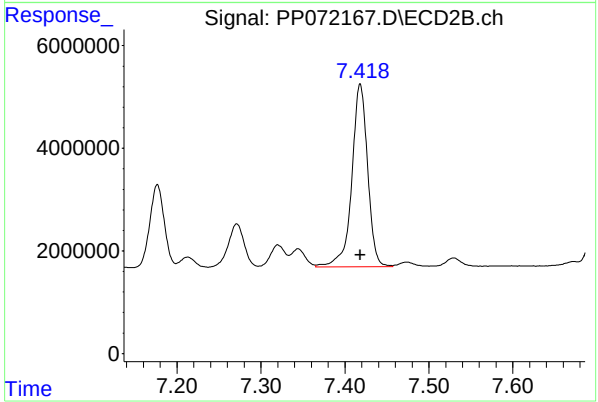
#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 19427779
Conc: 275.19 ng/ml



#35 AR-1260-5

R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 62484280
Conc: 262.17 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 46879399
Conc: 270.43 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.498	3.793	9370134	8133165	4.660	5.088
2)	SA Decachlor...	10.212	8.821	8114063	5355591	4.981	5.059
	Target Compounds						
3)	L1 AR-1016-1	5.650	4.878	3974445	3481238	53.538m	56.670
4)	L1 AR-1016-2	5.672	4.896	5096224	4763878	47.816m	54.265
5)	L1 AR-1016-3	5.734	5.073	3045634	2547956	47.236m	53.467
6)	L1 AR-1016-4	5.832	5.115	2452478	2024258	45.948m	53.206
7)	L1 AR-1016-5	6.127	5.330	2503132	2739010	51.179	54.973
31)	L7 AR-1260-1	7.247	6.364	5002782	4299958	53.452	53.915
32)	L7 AR-1260-2	7.500	6.553	7551641	6283346	52.628	61.952
33)	L7 AR-1260-3	7.859	6.705	5443256	4592239	47.802	52.844
34)	L7 AR-1260-4	8.083	7.176	5088570	3903032	47.423	54.140
35)	L7 AR-1260-5	8.403	7.418	11497836	8735677	48.583	50.314

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

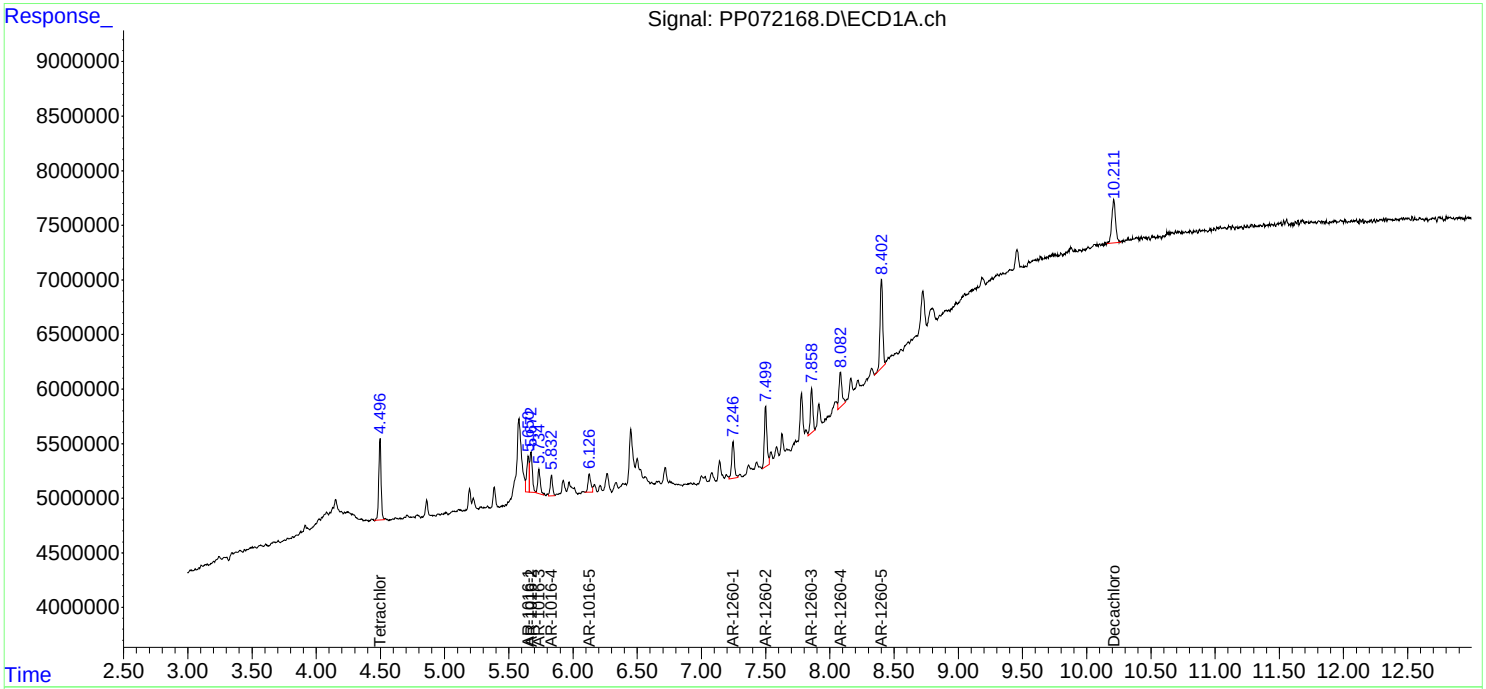
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

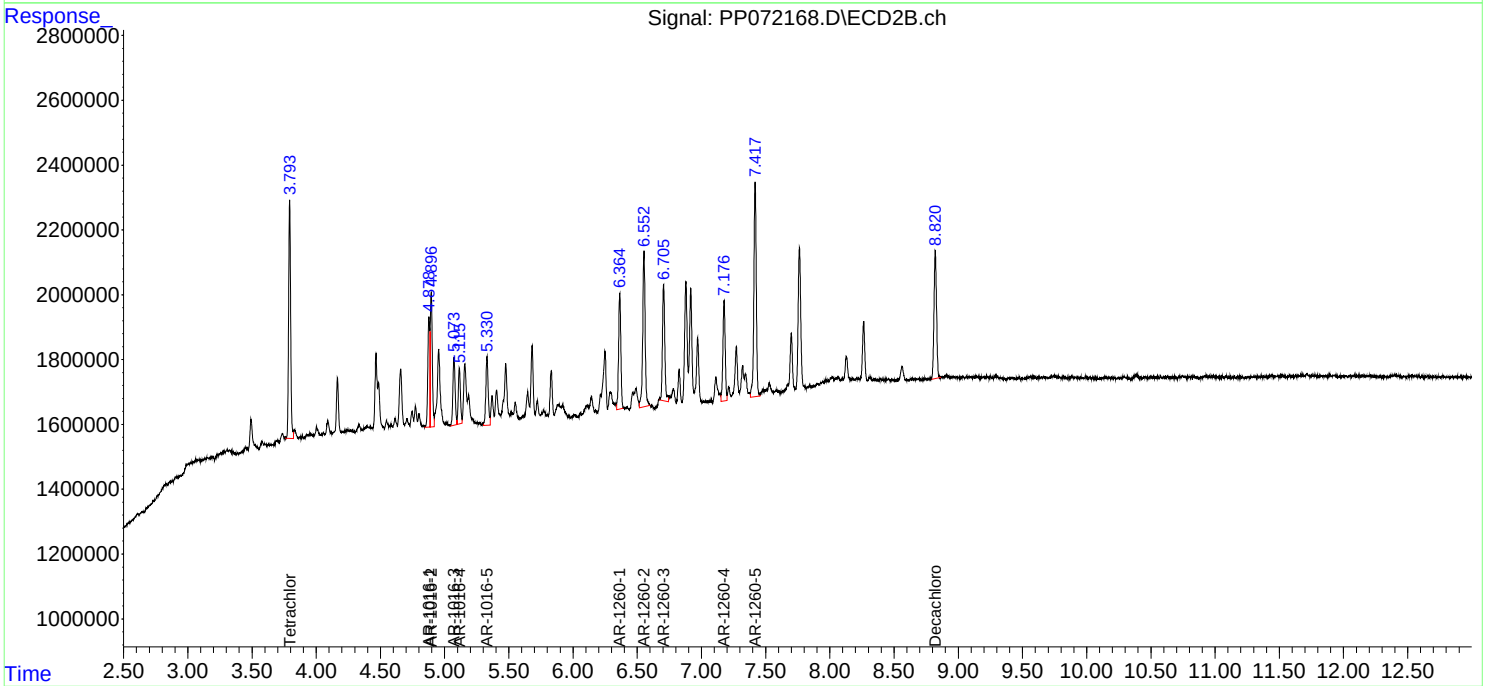
Manual Integrations APPROVED

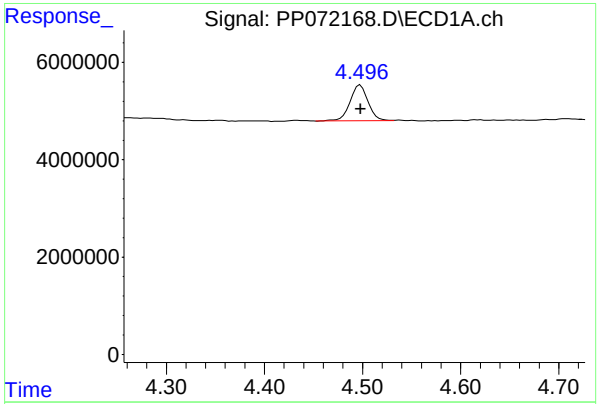
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







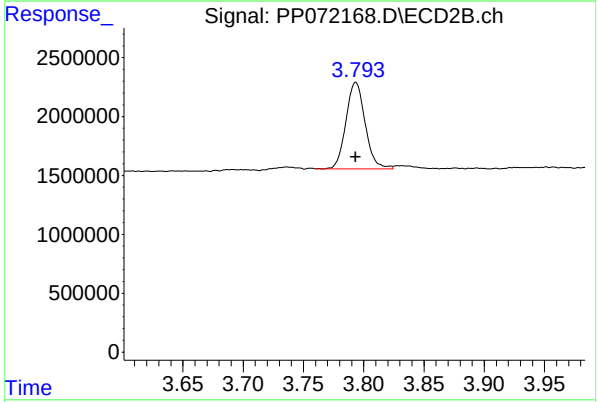
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 9370134
Conc: 4.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

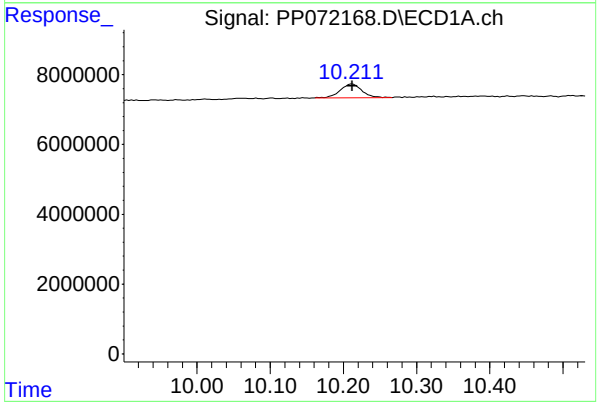
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



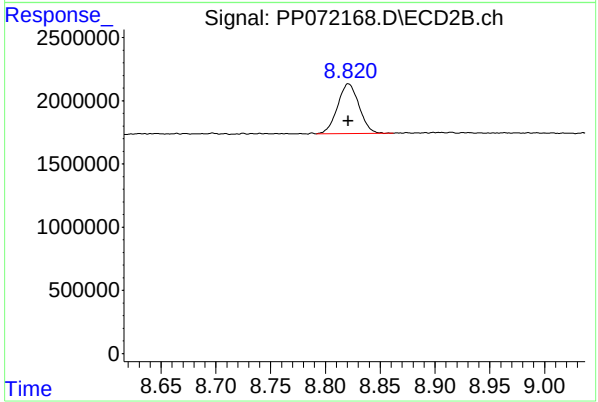
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 8133165
Conc: 5.09 ng/ml



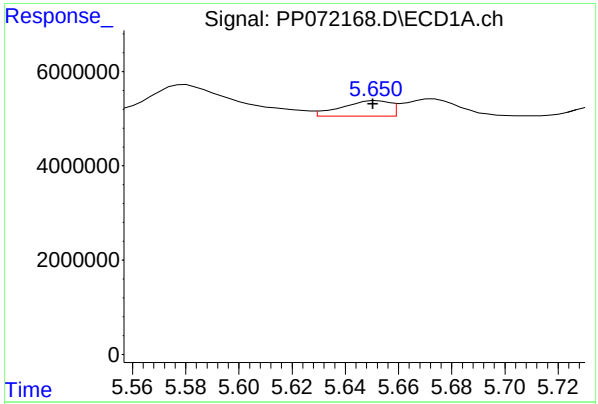
#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 8114063
Conc: 4.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 5355591
Conc: 5.06 ng/ml



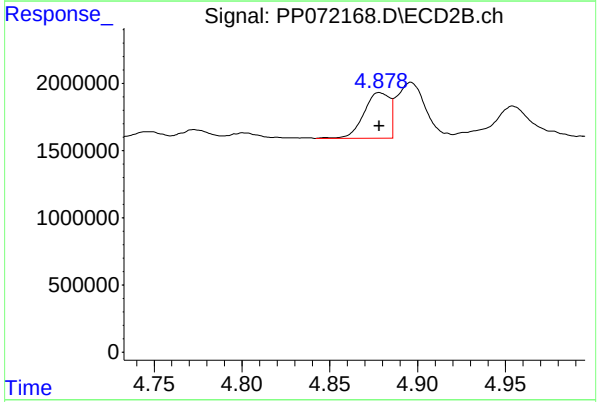
#3 AR-1016-1

R.T.: 5.650 min
Delta R.T.: 0.000 mi
Response: 3974445
Conc: 53.54 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

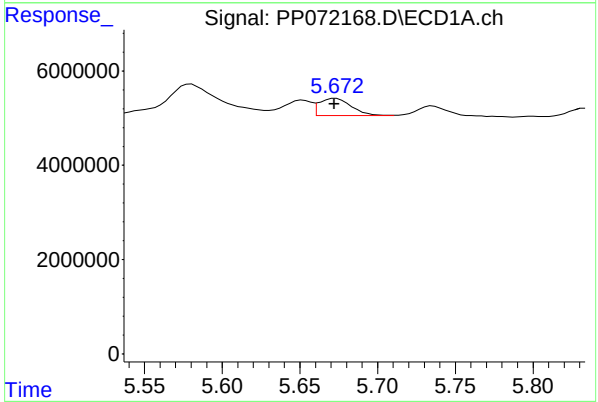
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



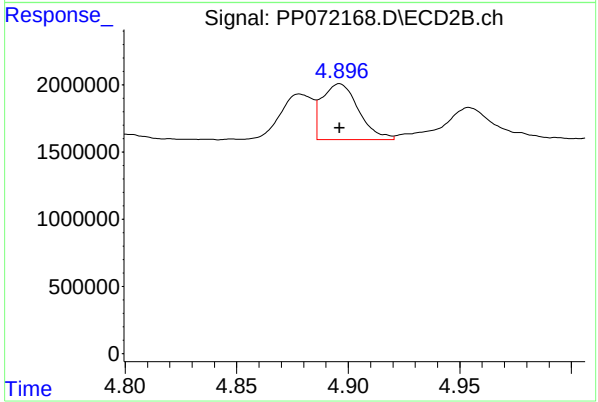
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 3481238
Conc: 56.67 ng/ml



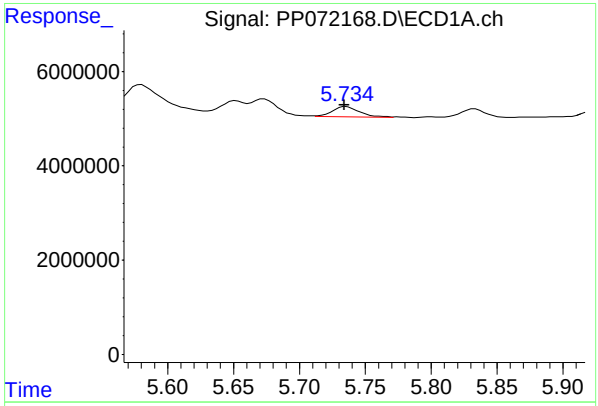
#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 5096224
Conc: 47.82 ng/ml m



#4 AR-1016-2

R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 4763878
Conc: 54.26 ng/ml



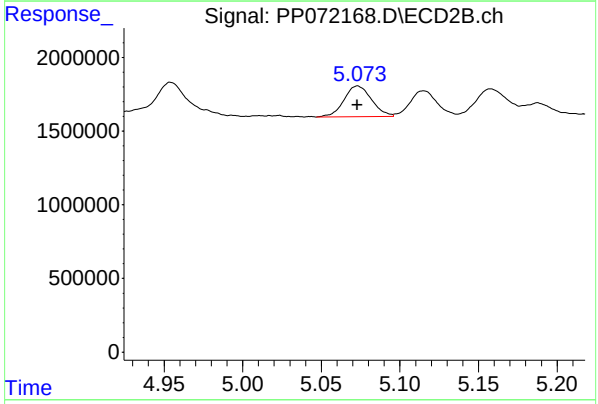
#5 AR-1016-3

R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 3045634
Conc: 47.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

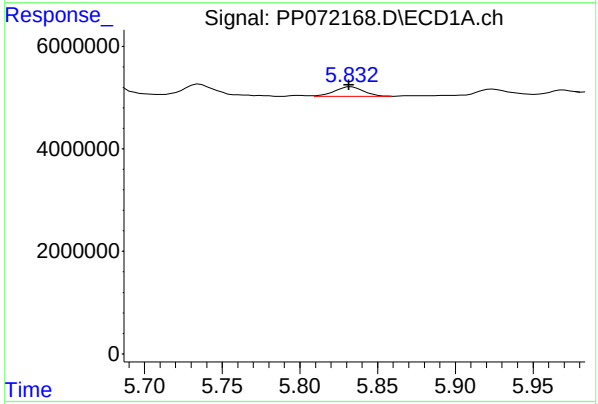
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



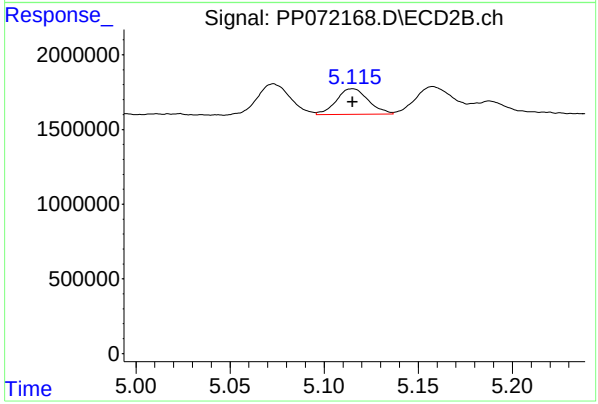
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 2547956
Conc: 53.47 ng/ml



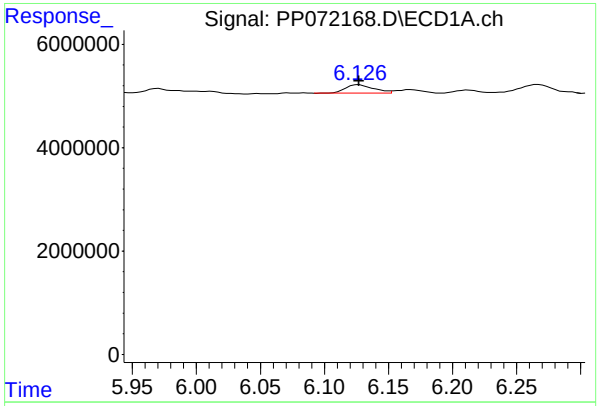
#6 AR-1016-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 2452478
Conc: 45.95 ng/ml m



#6 AR-1016-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 2024258
Conc: 53.21 ng/ml



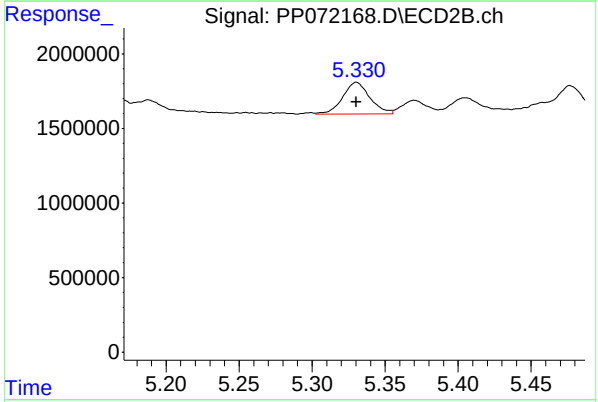
#7 AR-1016-5

R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 2503132
Conc: 51.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

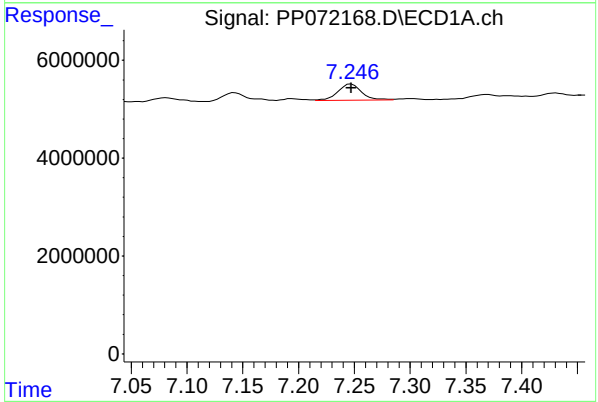
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



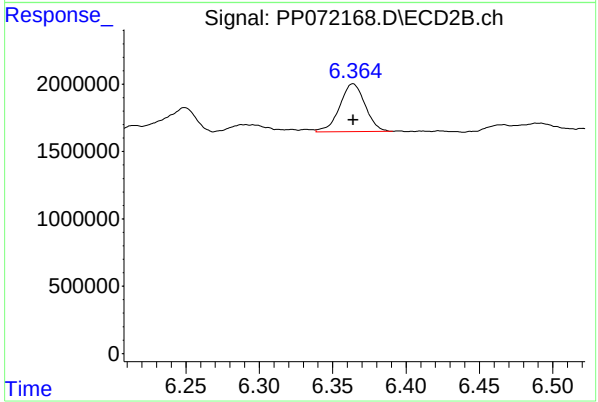
#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 2739010
Conc: 54.97 ng/ml



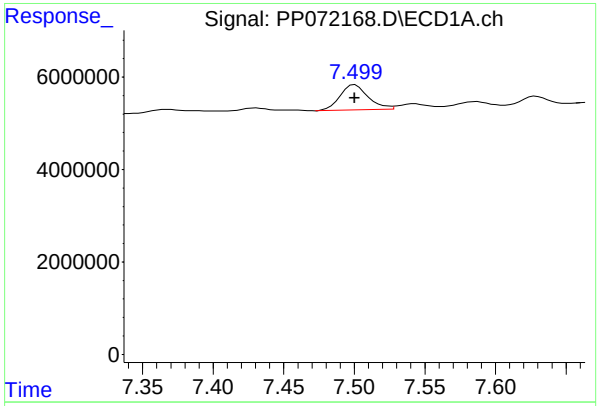
#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 5002782
Conc: 53.45 ng/ml



#31 AR-1260-1

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 4299958
Conc: 53.92 ng/ml



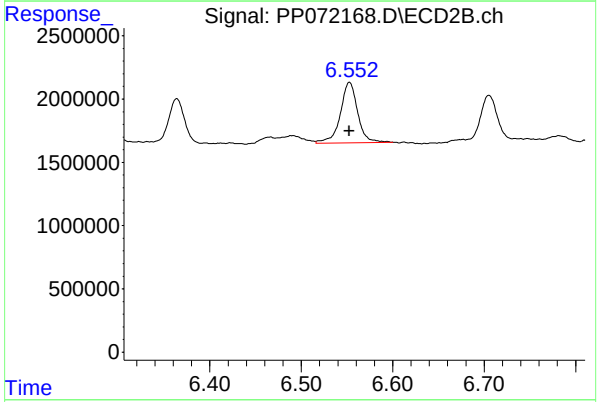
#32 AR-1260-2

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 7551641
Conc: 52.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

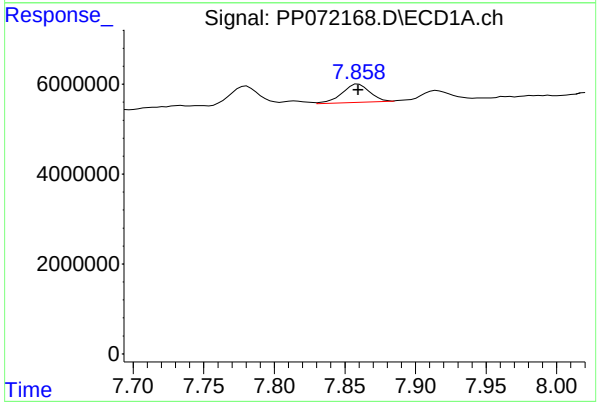
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



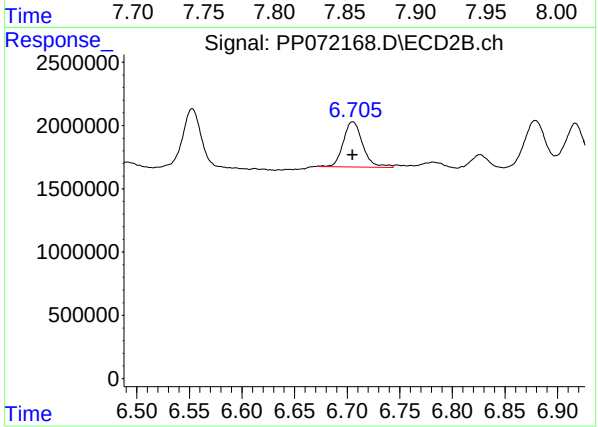
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 6283346
Conc: 61.95 ng/ml



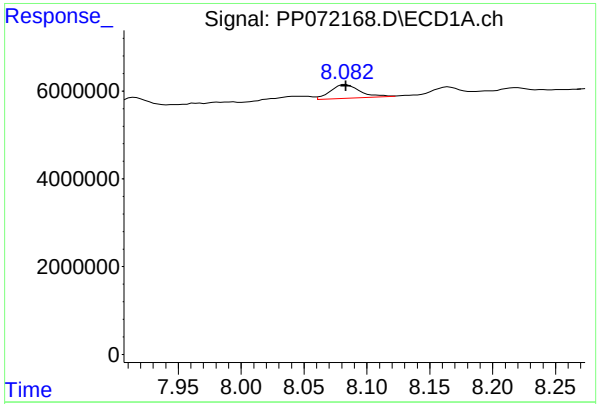
#33 AR-1260-3

R.T.: 7.859 min
Delta R.T.: 0.000 min
Response: 5443256
Conc: 47.80 ng/ml



#33 AR-1260-3

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 4592239
Conc: 52.84 ng/ml



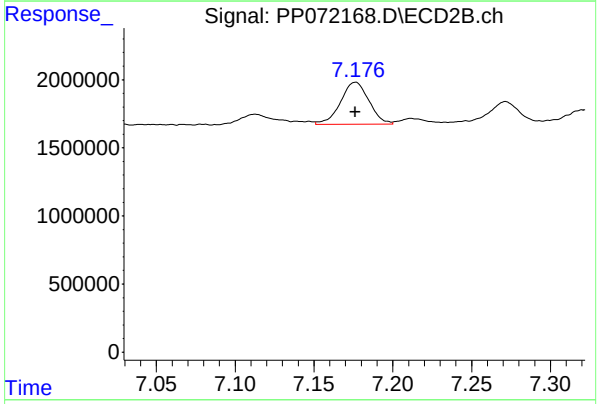
#34 AR-1260-4

R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 5088570
Conc: 47.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

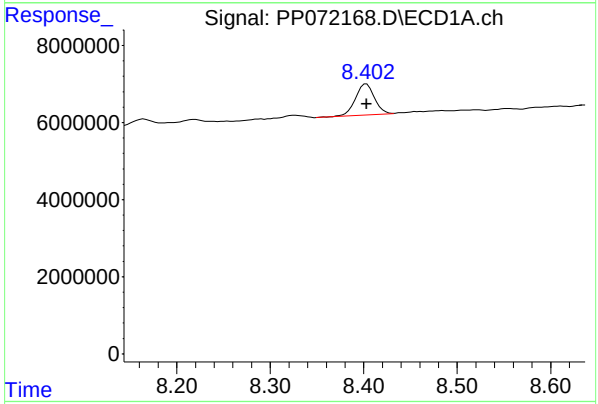
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



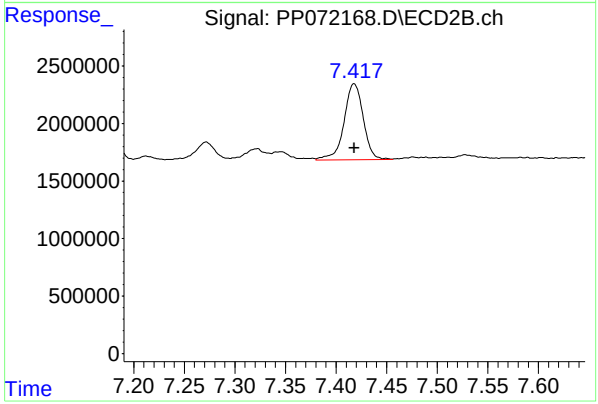
#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 3903032
Conc: 54.14 ng/ml



#35 AR-1260-5

R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 11497836
Conc: 48.58 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 8735677
Conc: 50.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:05
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 11:34:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.794	100.3E6	78966679	50.000	50.000
2)	SA Decachlor...	10.214	8.824	80876112	53101134	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.703	4.005	12566489	11562215	500.000	500.000
9)	L2 AR-1221-2	4.788	4.091	8990719	8849205	500.000	500.000
10)	L2 AR-1221-3	4.864	4.167	29254822	26135247	500.000	500.000

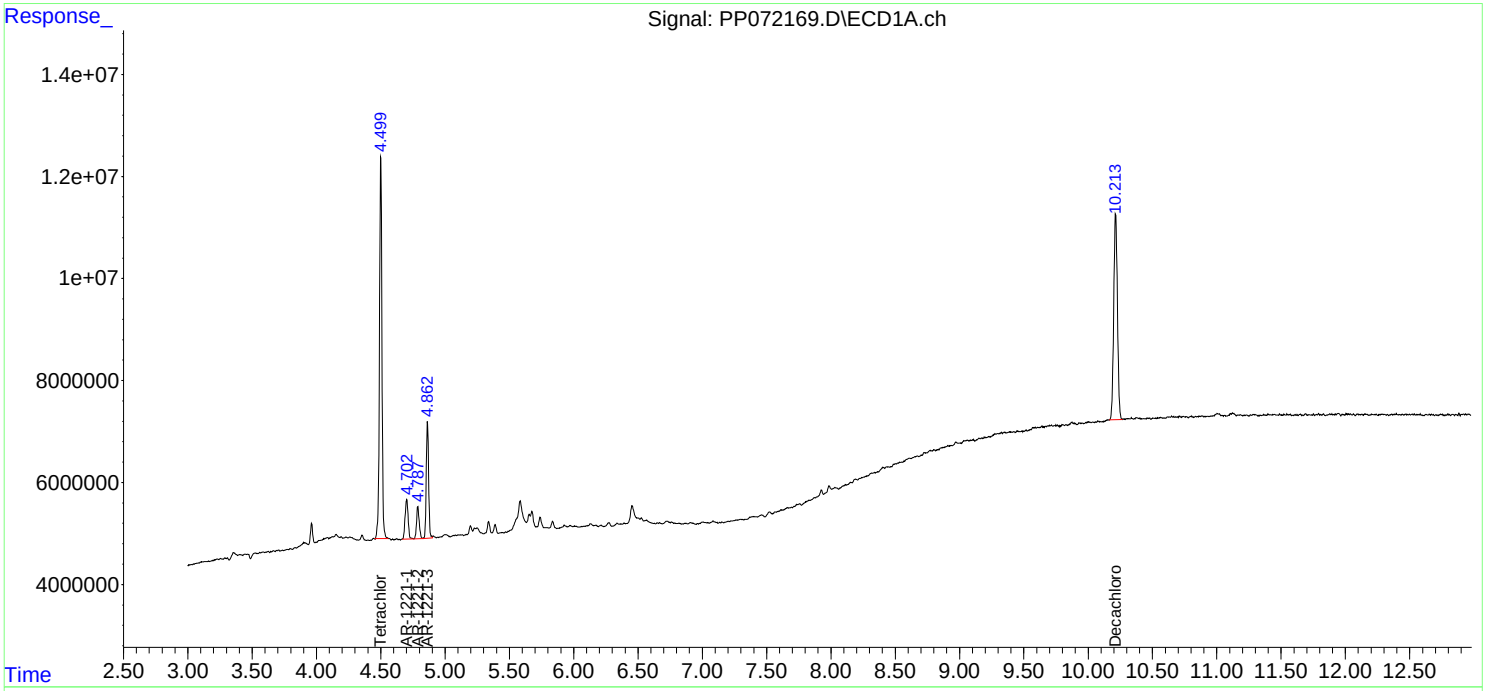
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

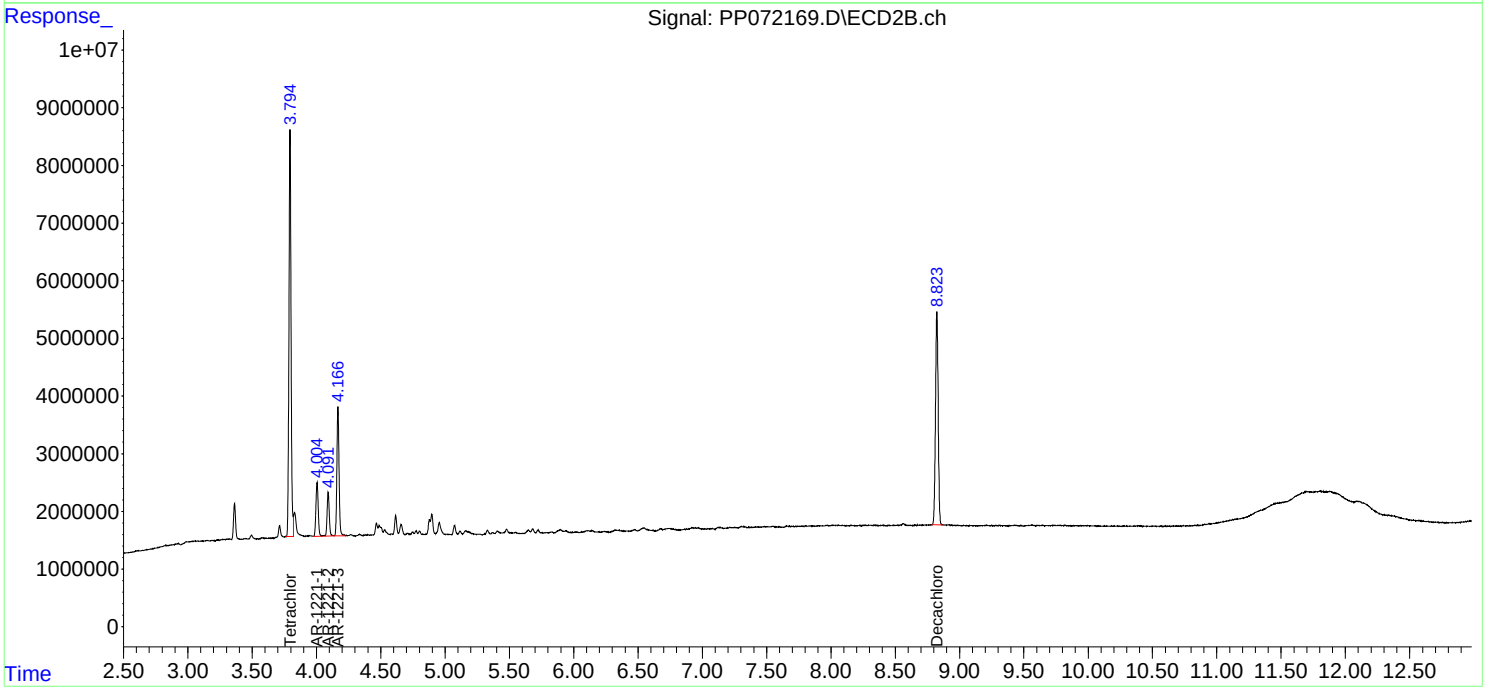
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:05
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

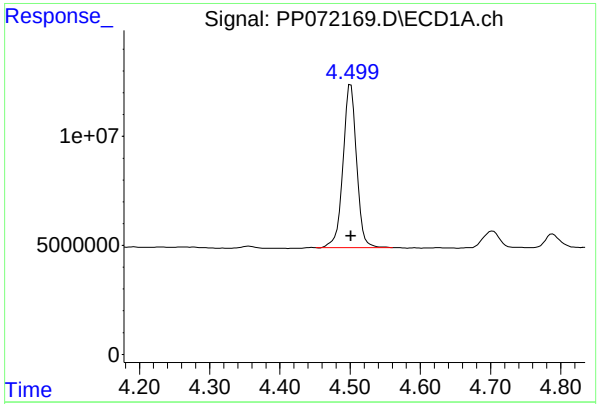
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 11:34:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



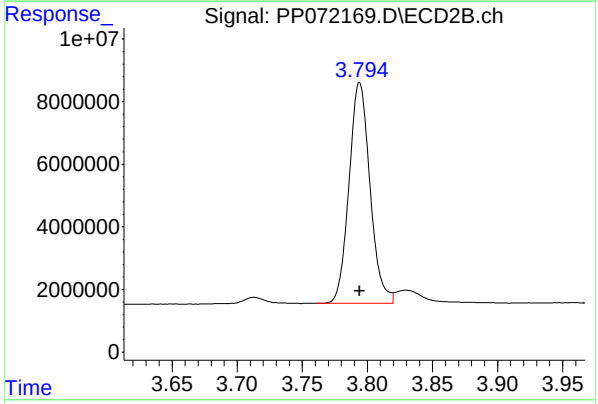




#1 Tetrachloro-m-xylene

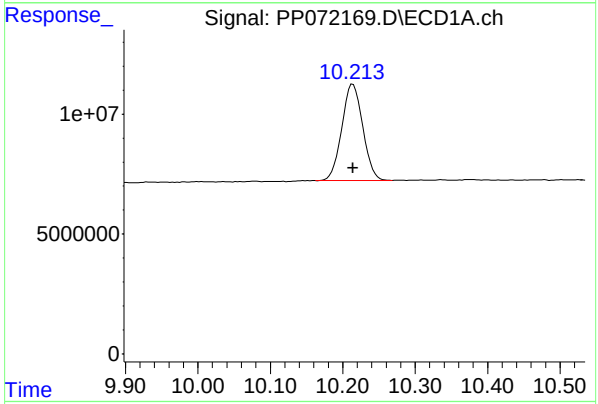
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 100267815
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



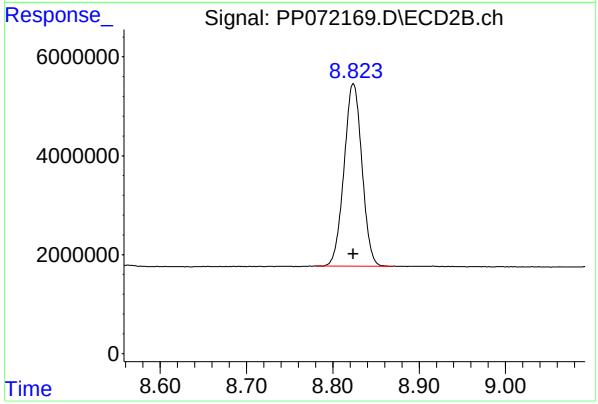
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 78966679
Conc: 50.00 ng/ml



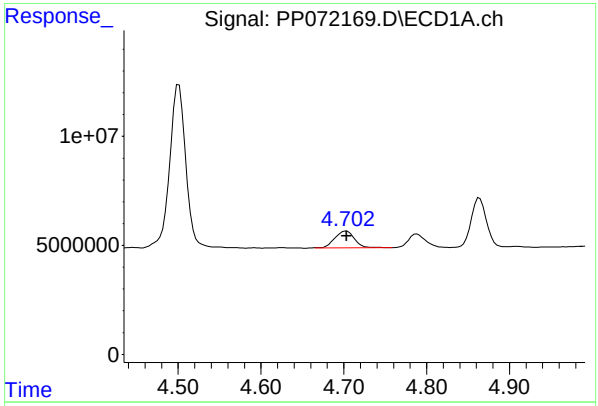
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 80876112
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

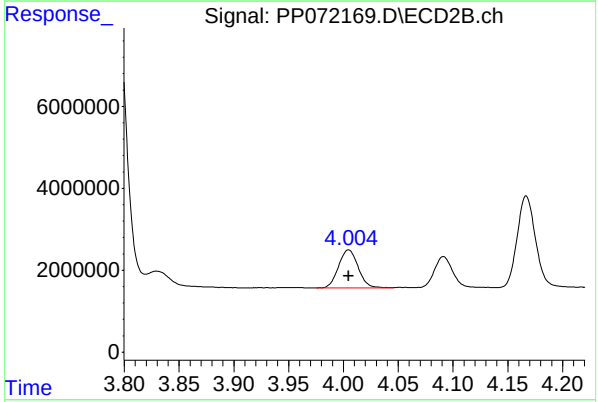
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 53101134
Conc: 50.00 ng/ml



#8 AR-1221-1

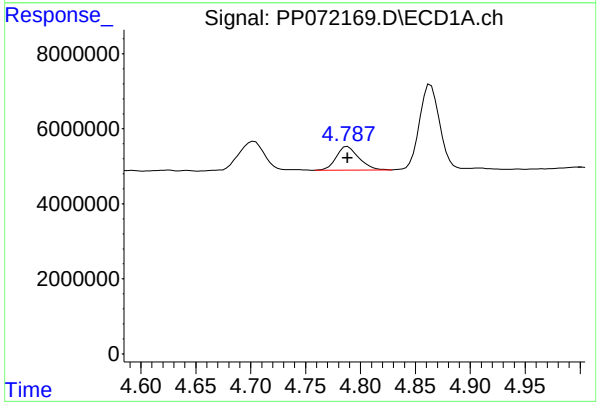
R.T.: 4.703 min
Delta R.T.: 0.000 min
Response: 12566489
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



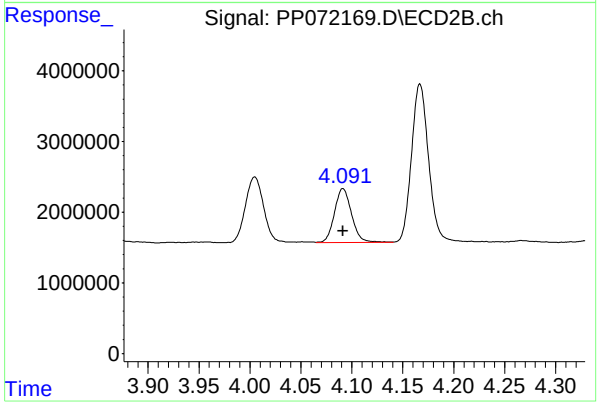
#8 AR-1221-1

R.T.: 4.005 min
Delta R.T.: 0.000 min
Response: 11562215
Conc: 500.00 ng/ml



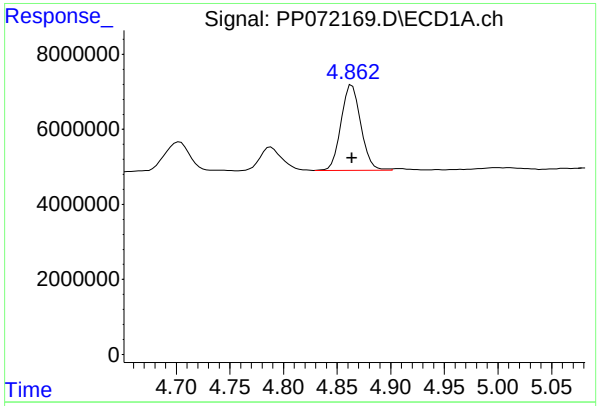
#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 8990719
Conc: 500.00 ng/ml



#9 AR-1221-2

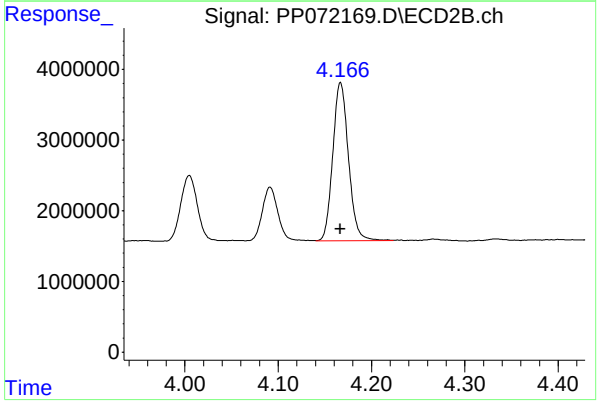
R.T.: 4.091 min
Delta R.T.: 0.000 min
Response: 8849205
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 29254822
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.167 min
Delta R.T.: 0.000 min
Response: 26135247
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:21
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:10:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.795	188.6E6	150.4E6	95.724	94.284
2)	SA Decachlor...	10.213	8.823	154.5E6	99106147	96.034	93.871
	Target Compounds						
11)	L3 AR-1232-1	4.863	4.168	44075653	37616932	957.349	907.448
12)	L3 AR-1232-2	5.389	4.898	21717379	39358353	966.038	938.328
13)	L3 AR-1232-3	5.675	5.074	46772523	20796080	948.567	932.463
14)	L3 AR-1232-4	5.835	5.159	23238504	17897124	967.407	927.845
15)	L3 AR-1232-5	5.925	5.331	15752983	19472370	978.586	927.105

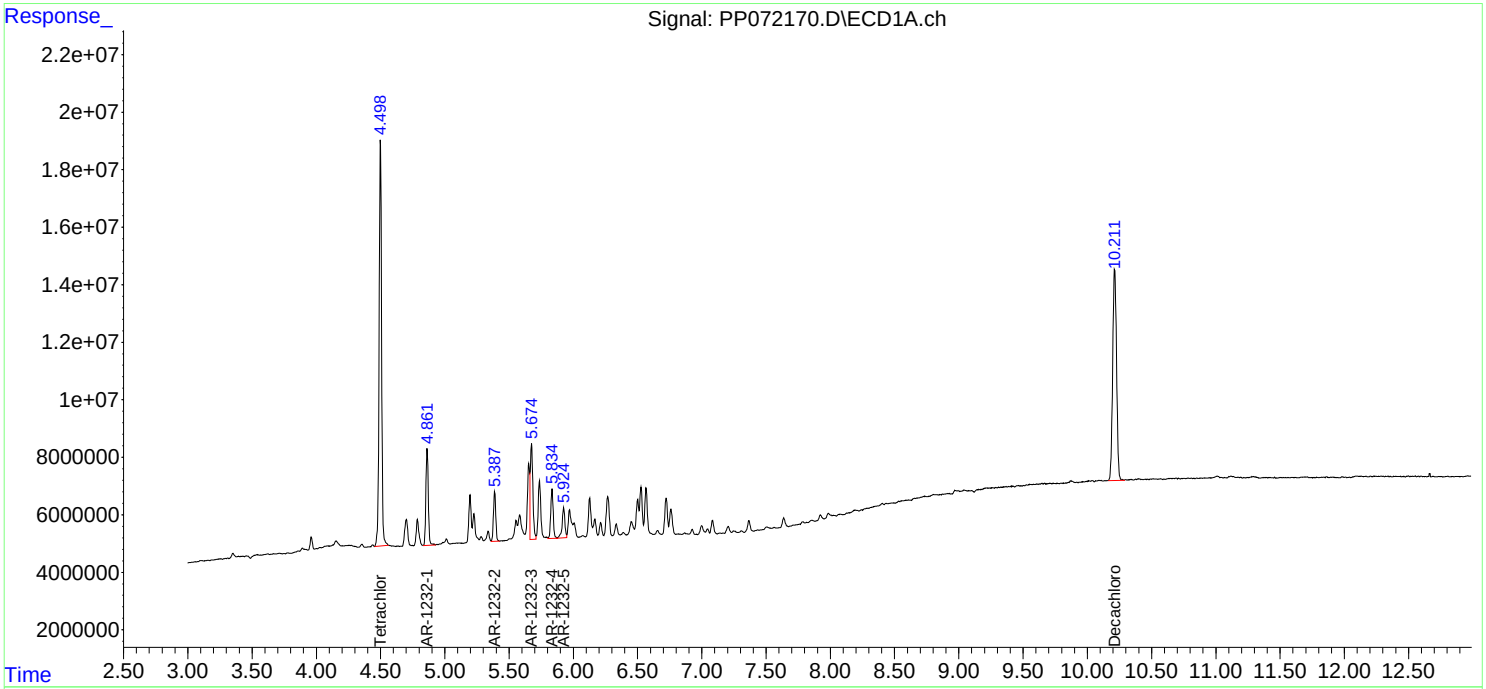
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

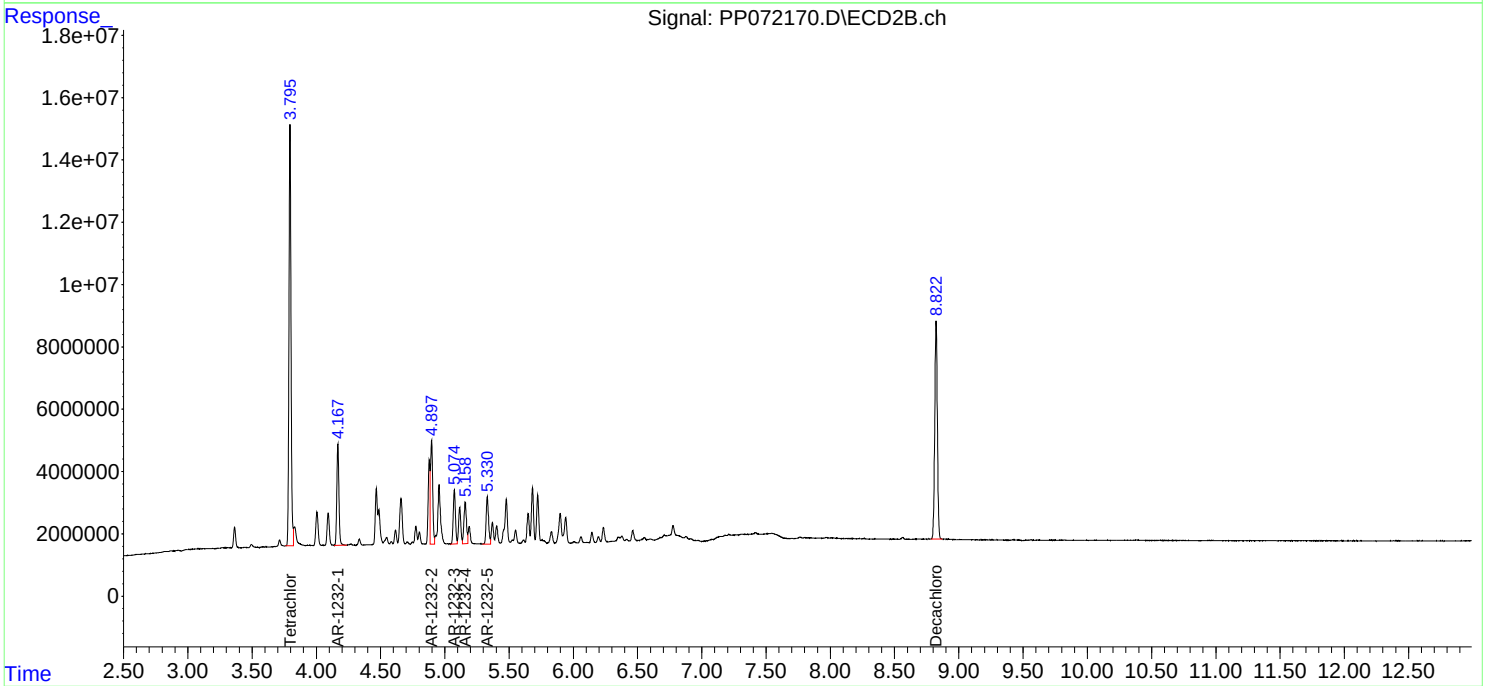
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:21
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

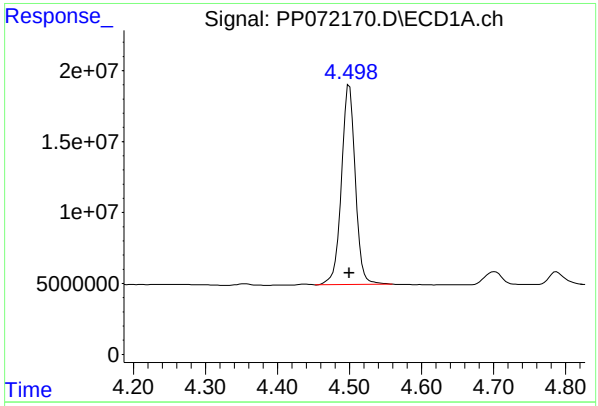
Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:10:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



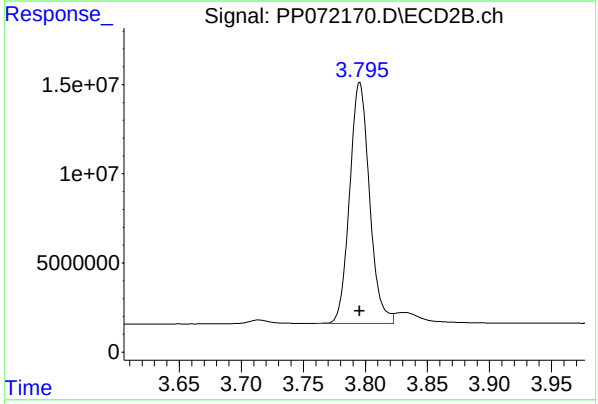




#1 Tetrachloro-m-xylene

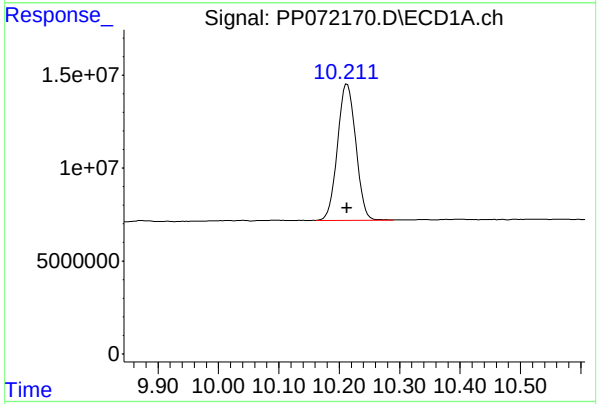
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 188612240
Conc: 95.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



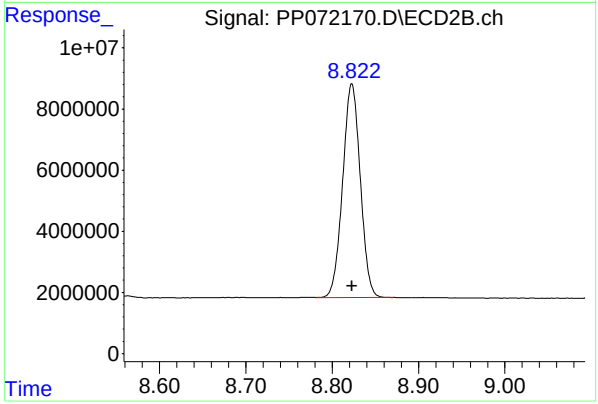
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 150365085
Conc: 94.28 ng/ml



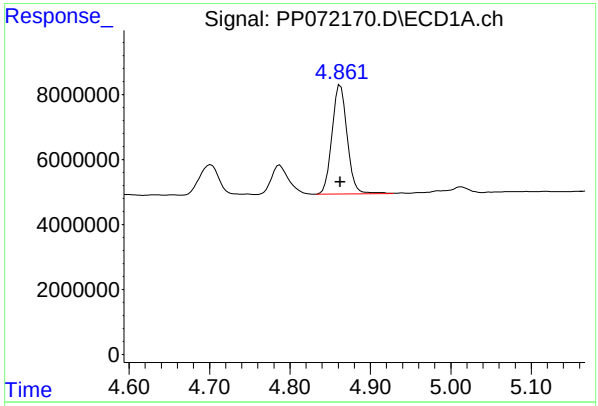
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 154527919
Conc: 96.03 ng/ml



#2 Decachlorobiphenyl

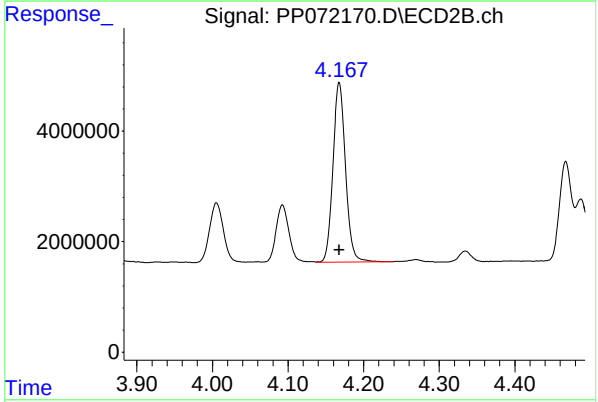
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 99106147
Conc: 93.87 ng/ml



#11 AR-1232-1

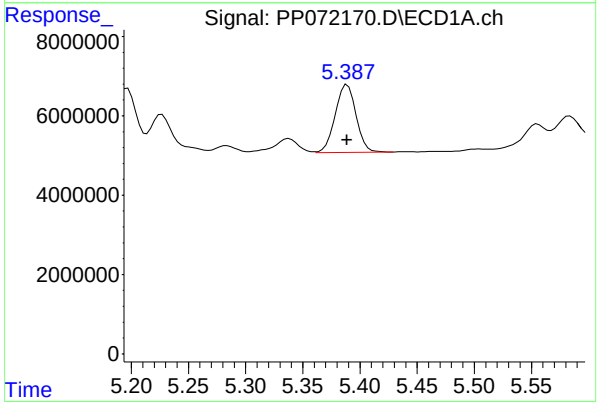
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 44075653
Conc: 957.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



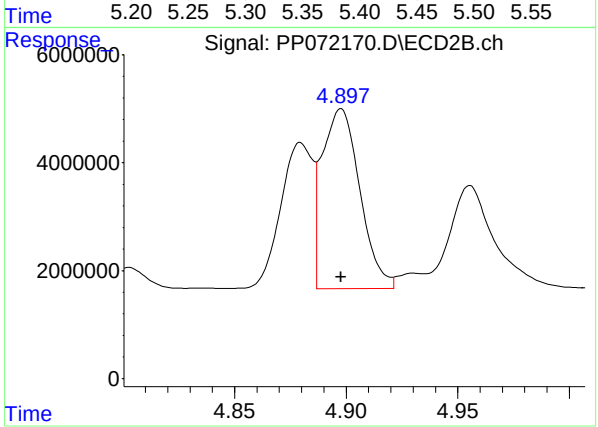
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 37616932
Conc: 907.45 ng/ml



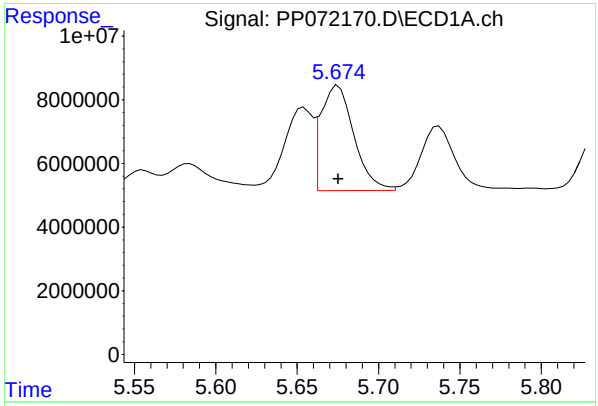
#12 AR-1232-2

R.T.: 5.389 min
Delta R.T.: 0.000 min
Response: 21717379
Conc: 966.04 ng/ml



#12 AR-1232-2

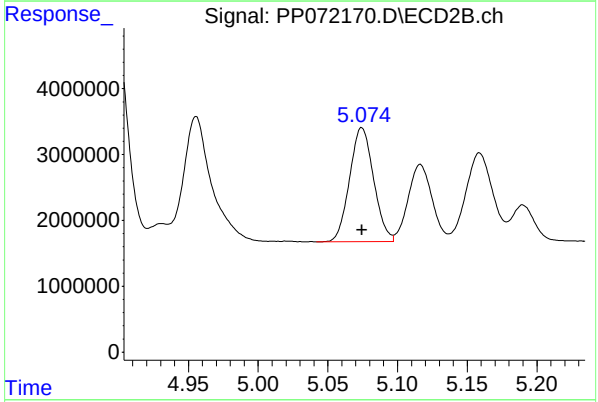
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 39358353
Conc: 938.33 ng/ml



#13 AR-1232-3

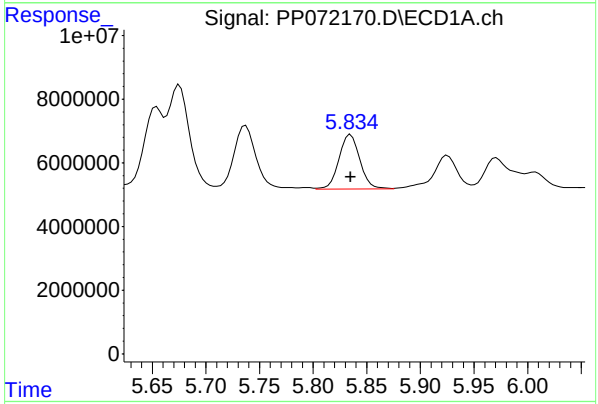
R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 46772523
Conc: 948.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



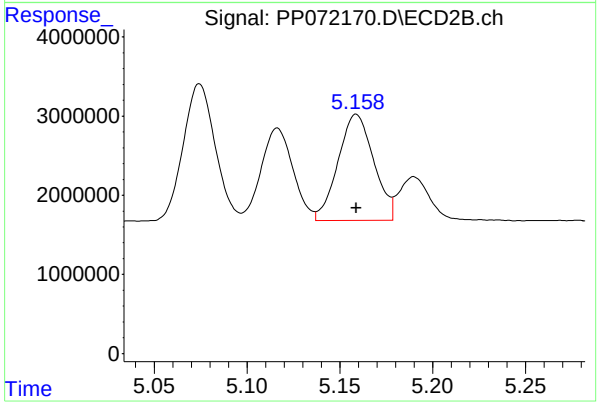
#13 AR-1232-3

R.T.: 5.074 min
Delta R.T.: 0.000 min
Response: 20796080
Conc: 932.46 ng/ml



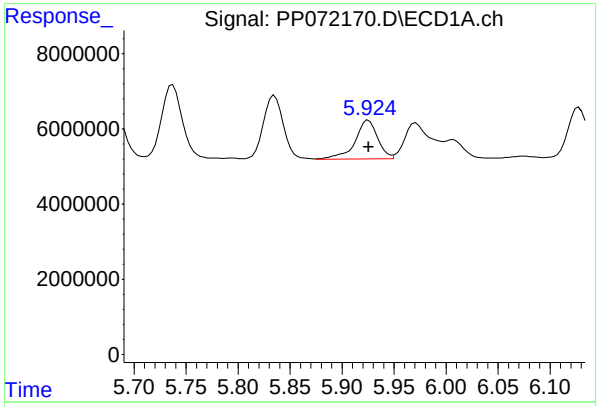
#14 AR-1232-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 23238504
Conc: 967.41 ng/ml



#14 AR-1232-4

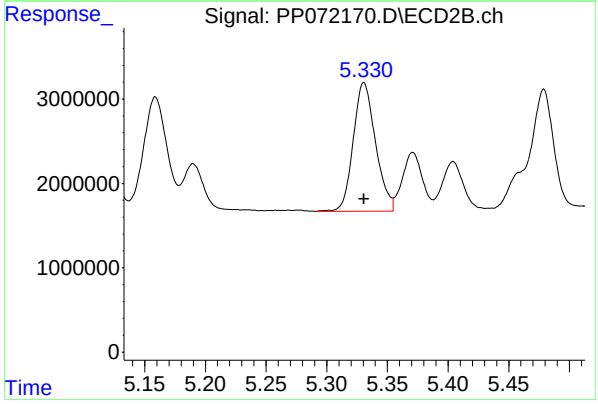
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 17897124
Conc: 927.84 ng/ml



#15 AR-1232-5

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 15752983
Conc: 978.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 19472370
Conc: 927.11 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:38
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:12:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.796	150.1E6	117.1E6	75.772	73.927
2)	SA Decachlor...	10.215	8.824	120.1E6	80247330	74.743	75.669
	Target Compounds						
11)	L3 AR-1232-1	4.864	4.168	34422611	30444044	748.451	739.537
12)	L3 AR-1232-2	5.390	4.898	17196522	31518395	759.894	750.945
13)	L3 AR-1232-3	5.676	5.075	37611138	16760662	758.466	751.013
14)	L3 AR-1232-4	5.836	5.159	18110035	14561422	752.603	753.267
15)	L3 AR-1232-5	5.926	5.332	12352668	15928473	761.482	755.563

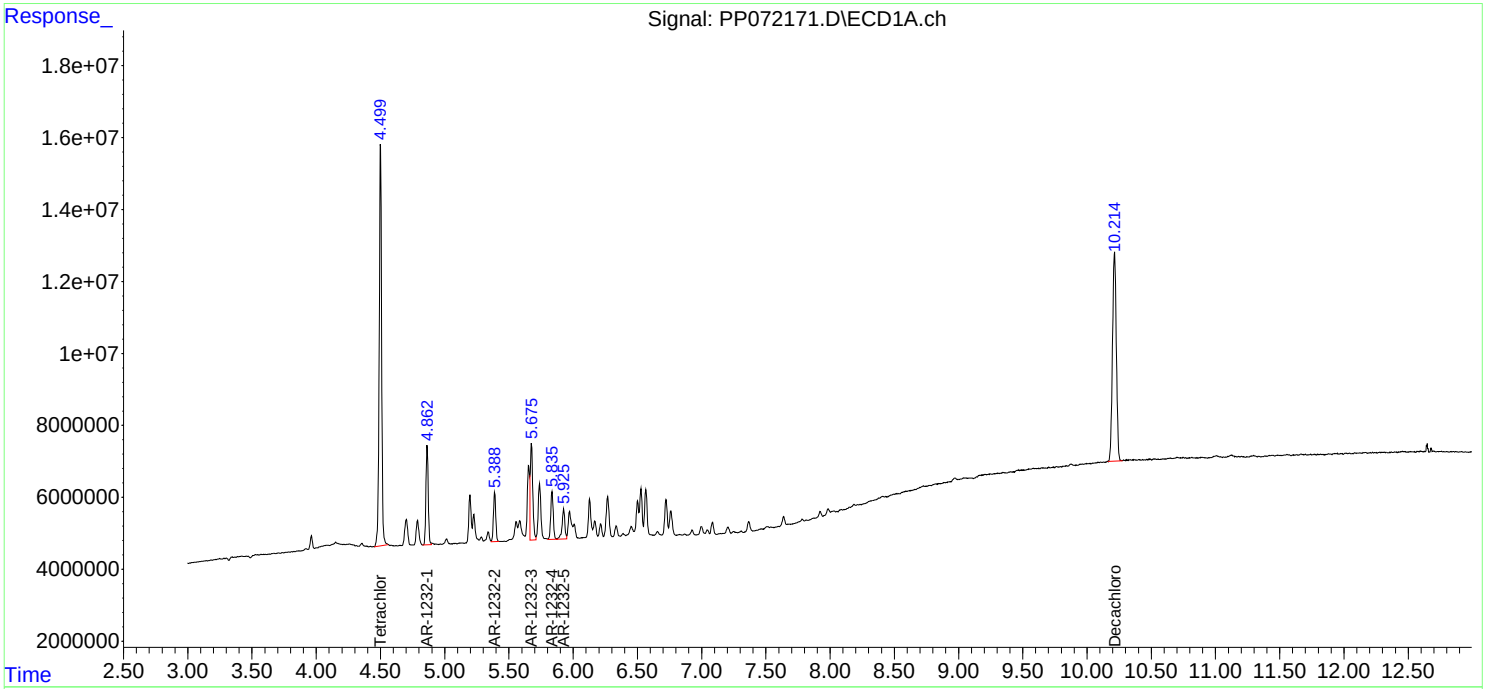
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

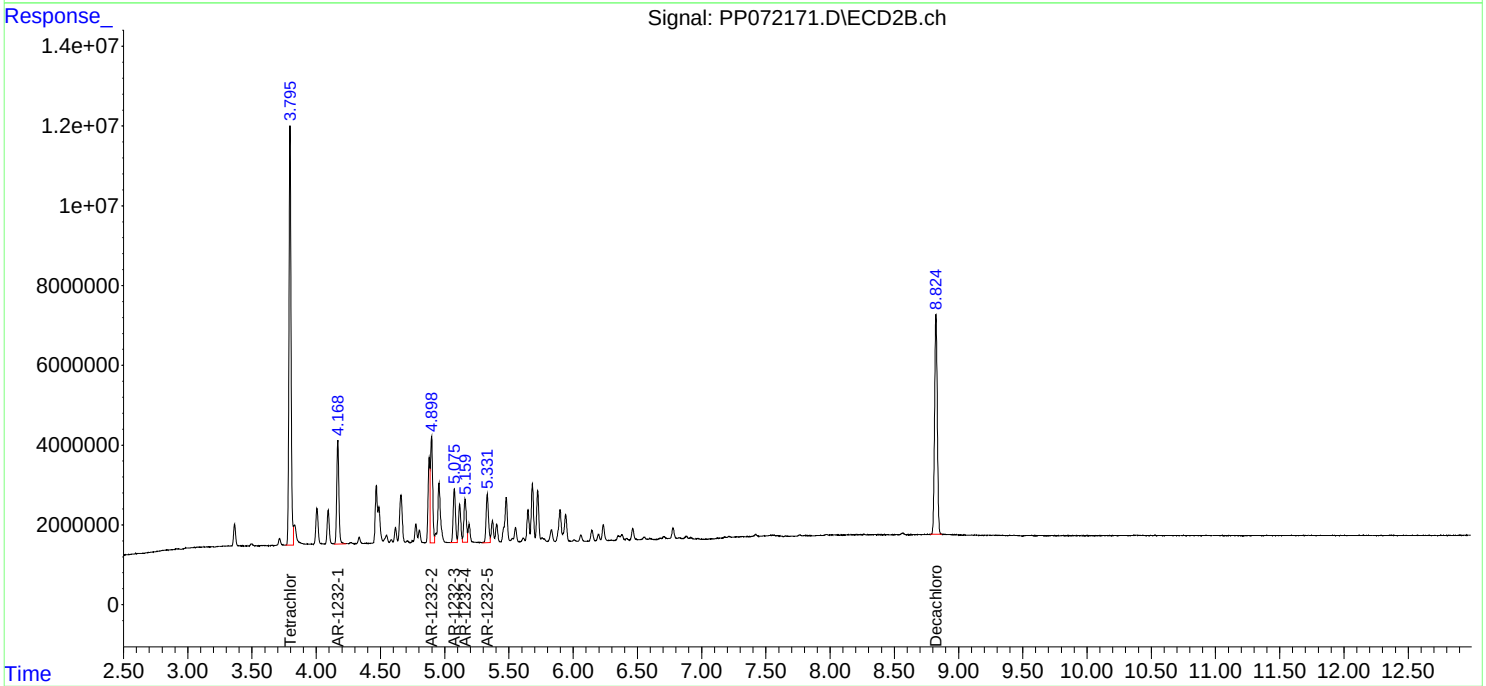
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:38
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

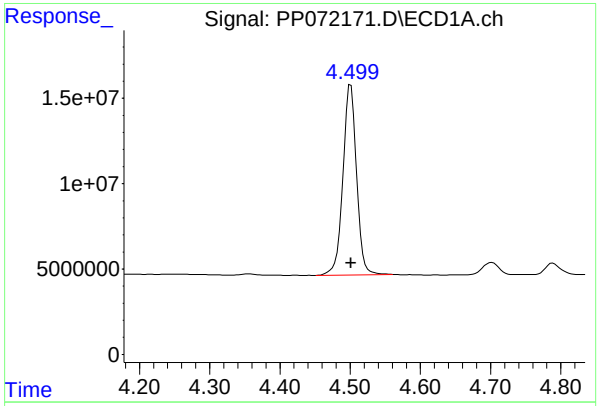
Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:12:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



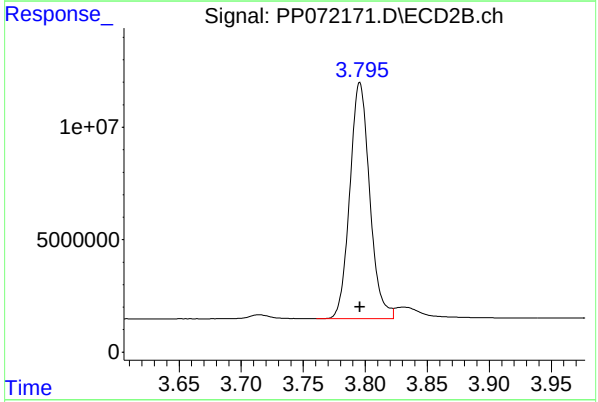




#1 Tetrachloro-m-xylene

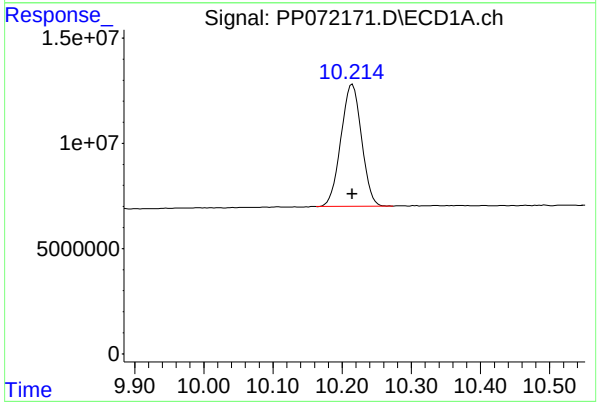
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 150073008
Conc: 75.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



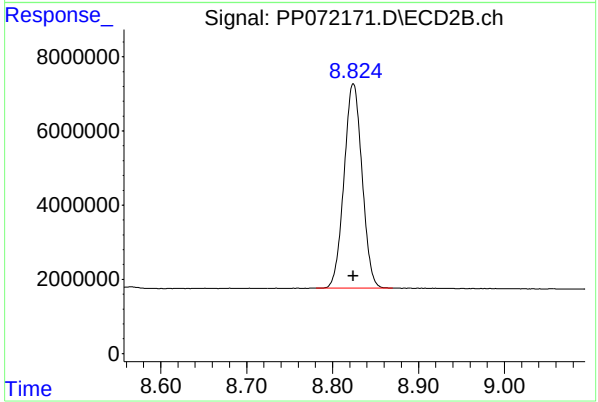
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 117063518
Conc: 73.93 ng/ml



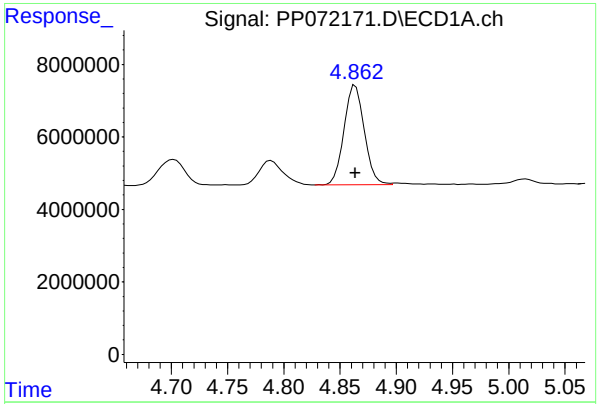
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 120062067
Conc: 74.74 ng/ml



#2 Decachlorobiphenyl

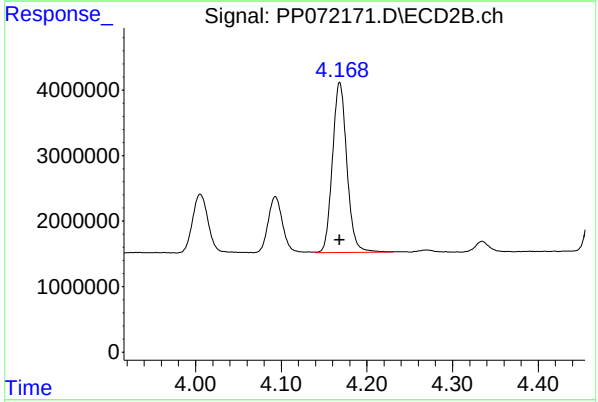
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 80247330
Conc: 75.67 ng/ml



#11 AR-1232-1

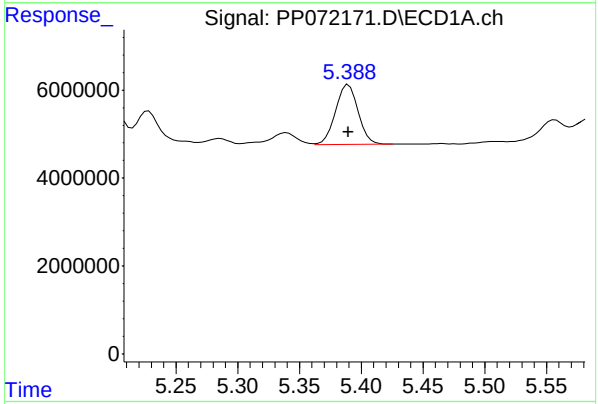
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 34422611
Conc: 748.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



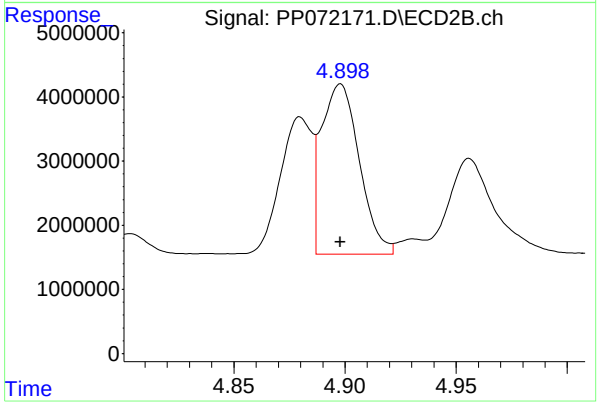
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 30444044
Conc: 739.54 ng/ml



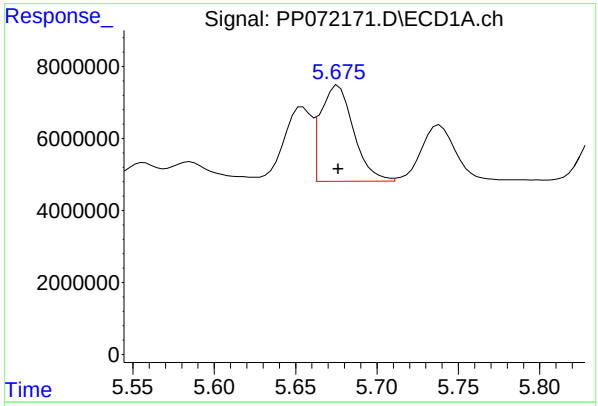
#12 AR-1232-2

R.T.: 5.390 min
Delta R.T.: 0.000 min
Response: 17196522
Conc: 759.89 ng/ml



#12 AR-1232-2

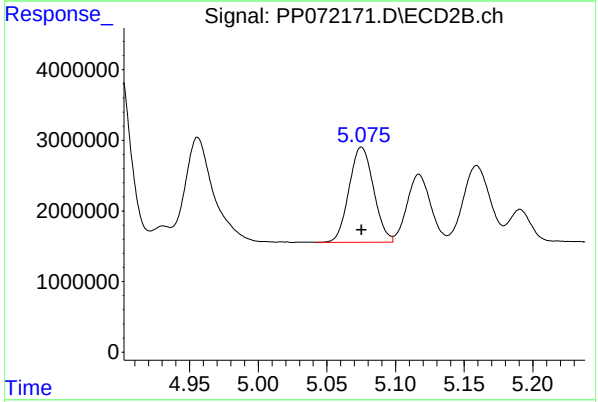
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 31518395
Conc: 750.95 ng/ml



#13 AR-1232-3

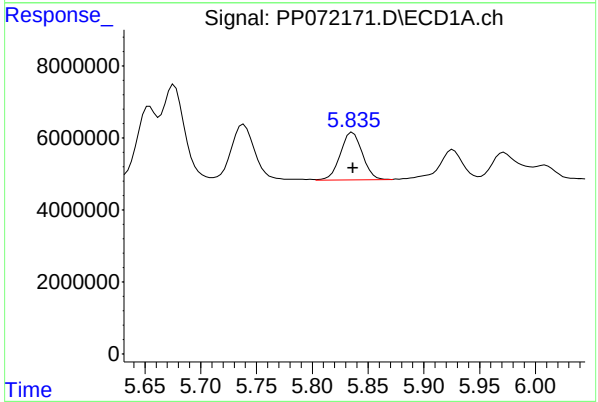
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 37611138
Conc: 758.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



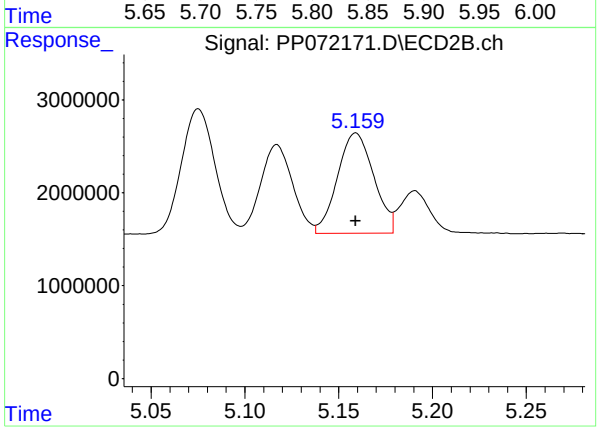
#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 16760662
Conc: 751.01 ng/ml



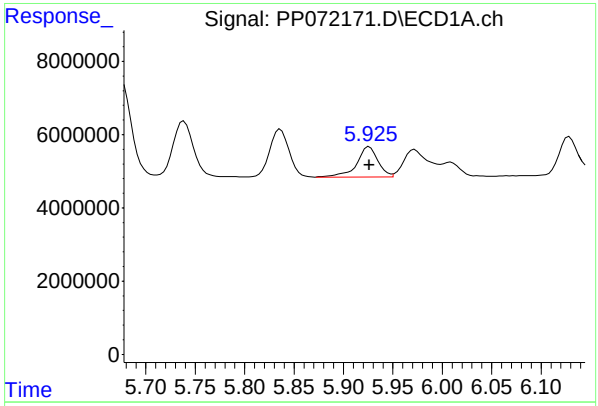
#14 AR-1232-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 18110035
Conc: 752.60 ng/ml



#14 AR-1232-4

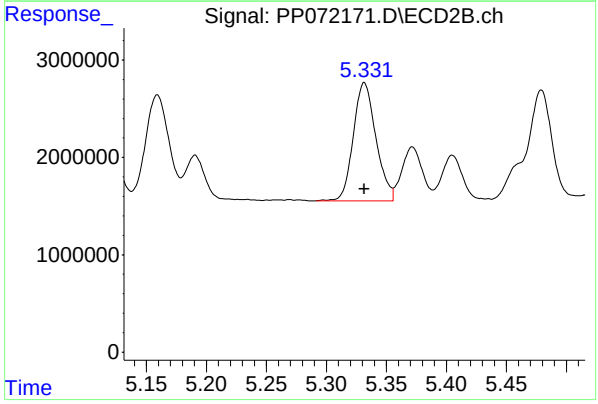
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 14561422
Conc: 753.27 ng/ml



#15 AR-1232-5

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 12352668
Conc: 761.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



#15 AR-1232-5

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 15928473
Conc: 755.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:54
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.795	102.7E6	84298957	50.000	50.000
2) SA	Decachlor...	10.214	8.823	83645074	56024151	50.000	50.000
	Target Compounds						
11) L3	AR-1232-1	4.864	4.168	24001461	22645075	500.000	500.000
12) L3	AR-1232-2	5.390	4.897	11622194	22266011	500.000	500.000
13) L3	AR-1232-3	5.676	5.075	25922328	11904276	500.000	500.000
14) L3	AR-1232-4	5.836	5.159	12402195	10340360	500.000	500.000
15) L3	AR-1232-5	5.926	5.331	8221206	11267225	500.000	500.000

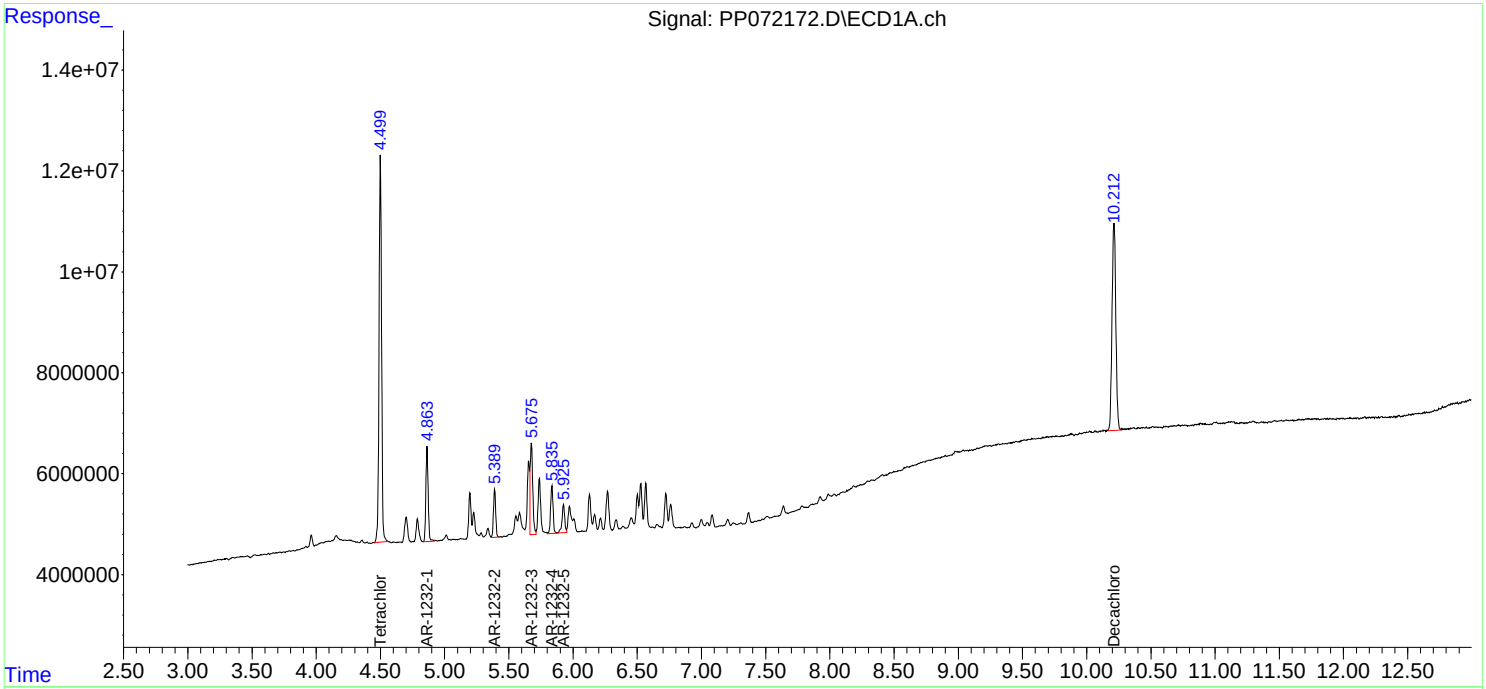
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

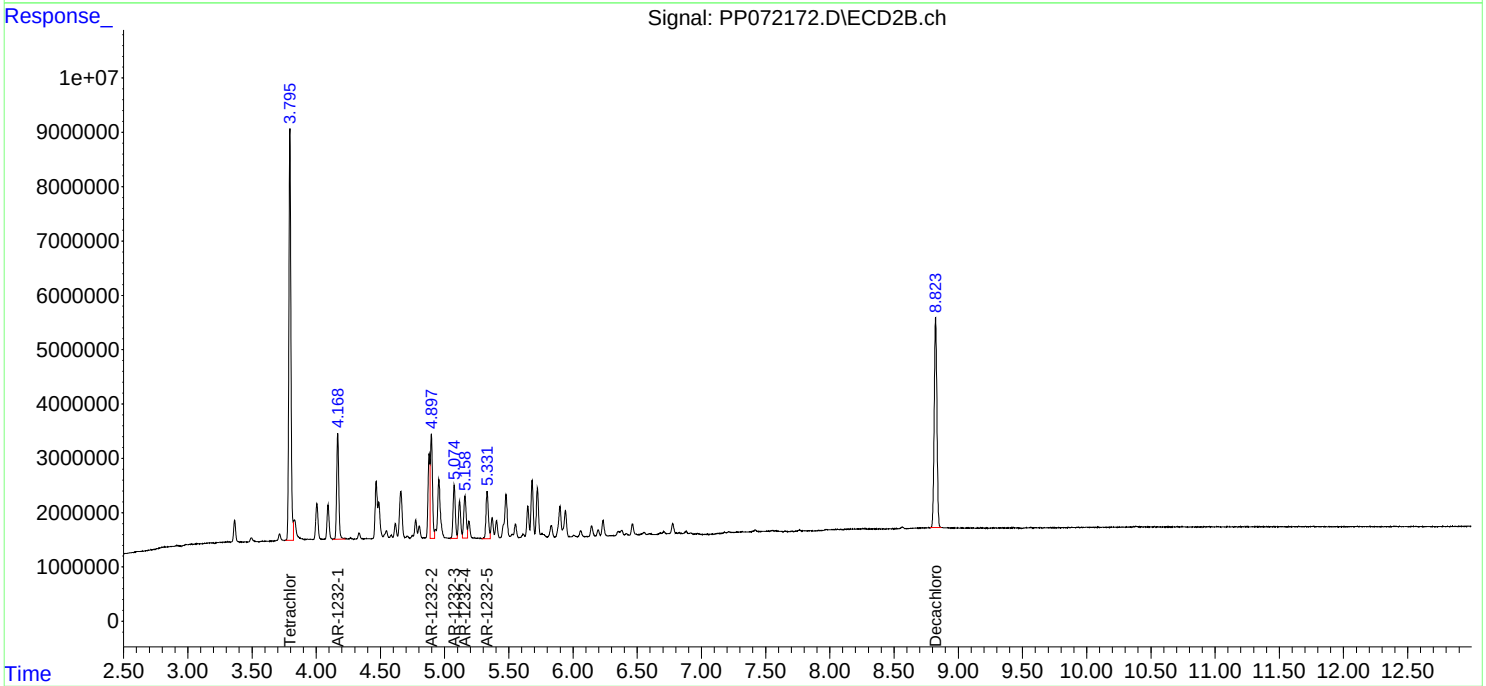
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:54
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

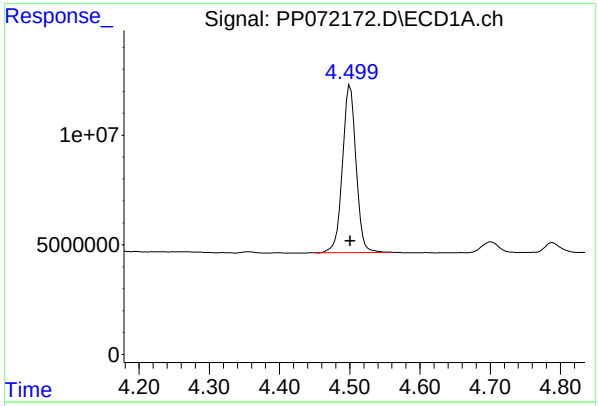
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



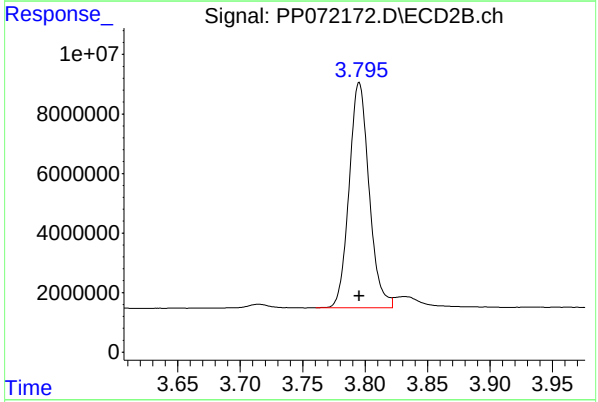




#1 Tetrachloro-m-xylene

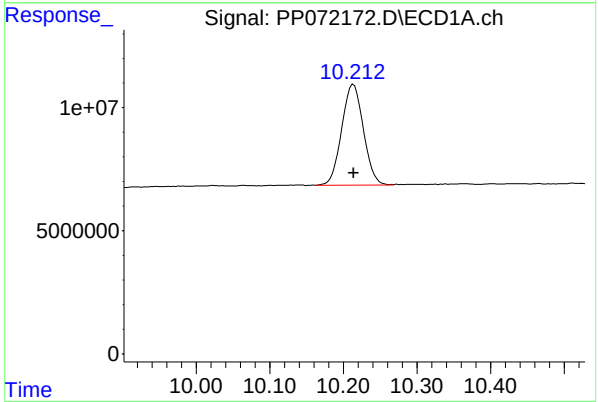
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 102732092
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



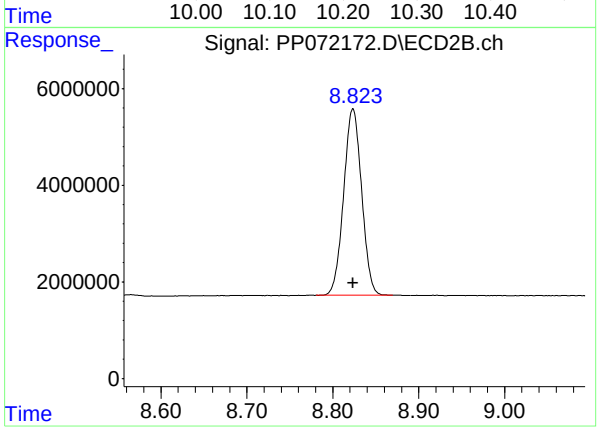
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 84298957
Conc: 50.00 ng/ml



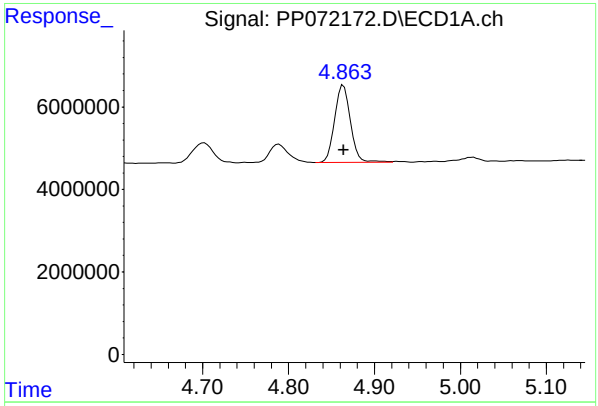
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 83645074
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

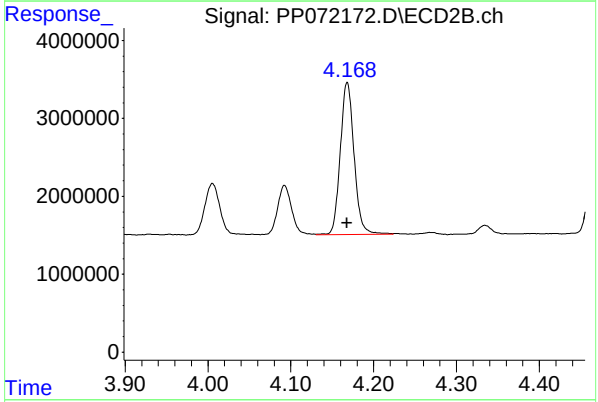
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 56024151
Conc: 50.00 ng/ml



#11 AR-1232-1

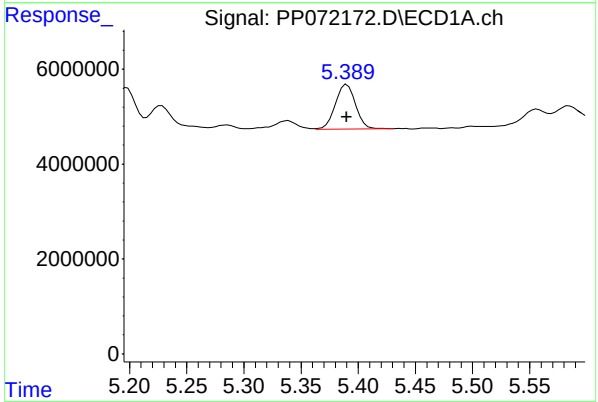
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 24001461
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



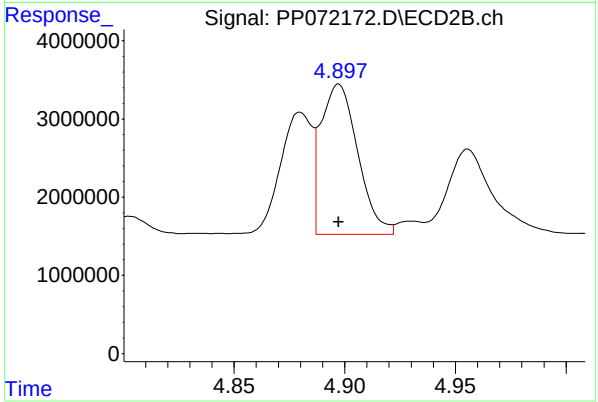
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 22645075
Conc: 500.00 ng/ml



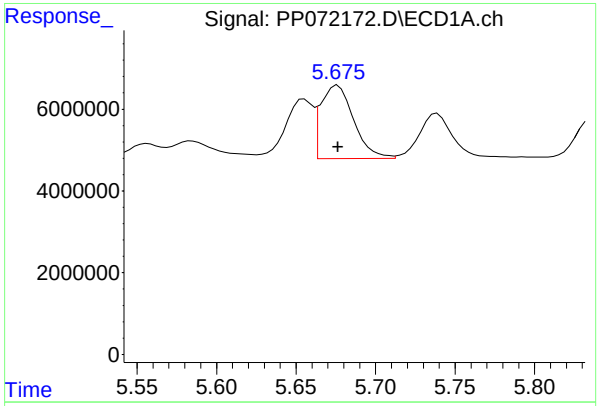
#12 AR-1232-2

R.T.: 5.390 min
Delta R.T.: 0.000 min
Response: 11622194
Conc: 500.00 ng/ml



#12 AR-1232-2

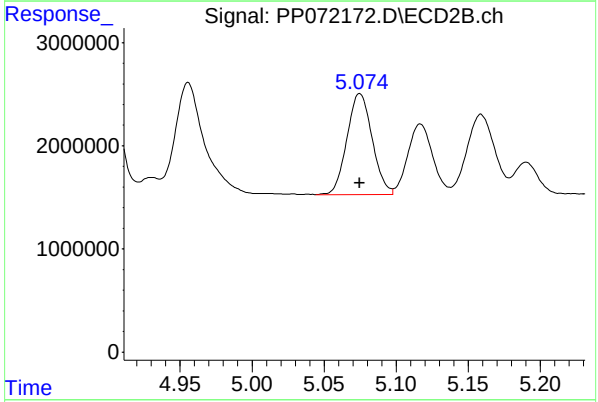
R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 22266011
Conc: 500.00 ng/ml



#13 AR-1232-3

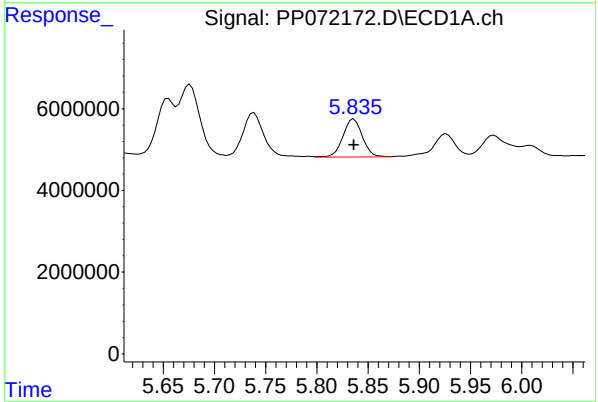
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 25922328
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



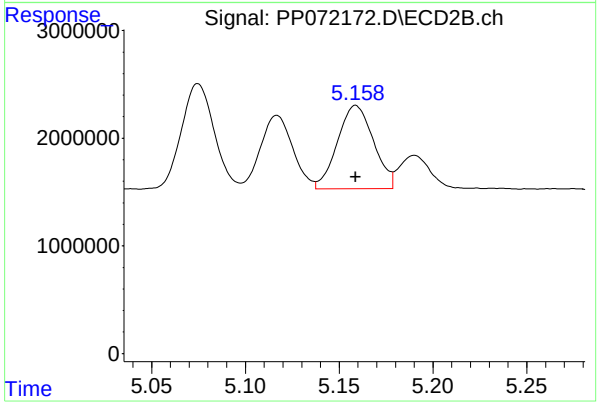
#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 11904276
Conc: 500.00 ng/ml



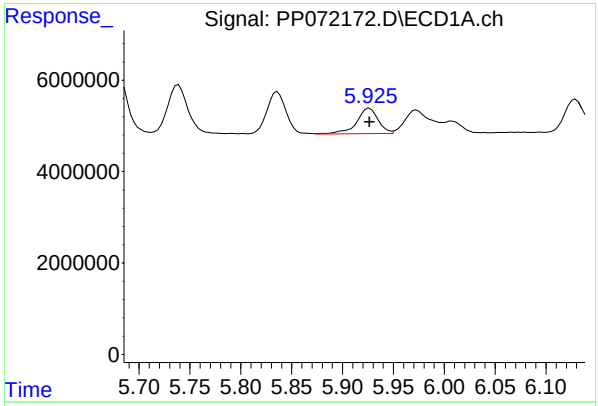
#14 AR-1232-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 12402195
Conc: 500.00 ng/ml



#14 AR-1232-4

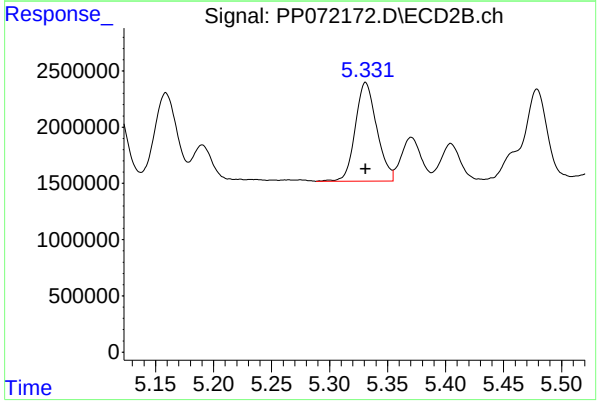
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 10340360
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 8221206
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 11267225
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:10
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:57:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.795	53057253	41777414	26.318	26.023
2)	SA Decachlor...	10.217	8.824	42592543	28685378	26.120	26.506
	Target Compounds						
11)	L3 AR-1232-1	4.865	4.167	12061819	11916931	259.084	278.487
12)	L3 AR-1232-2	5.391	4.897	5757452	11850655	253.297	273.502
13)	L3 AR-1232-3	5.678	5.074	13595730	6293241	267.701	273.247
14)	L3 AR-1232-4	5.838	5.158	6545799	5422323	266.163	272.197
15)	L3 AR-1232-5	5.928	5.331	4527330	6054853	271.199	276.907

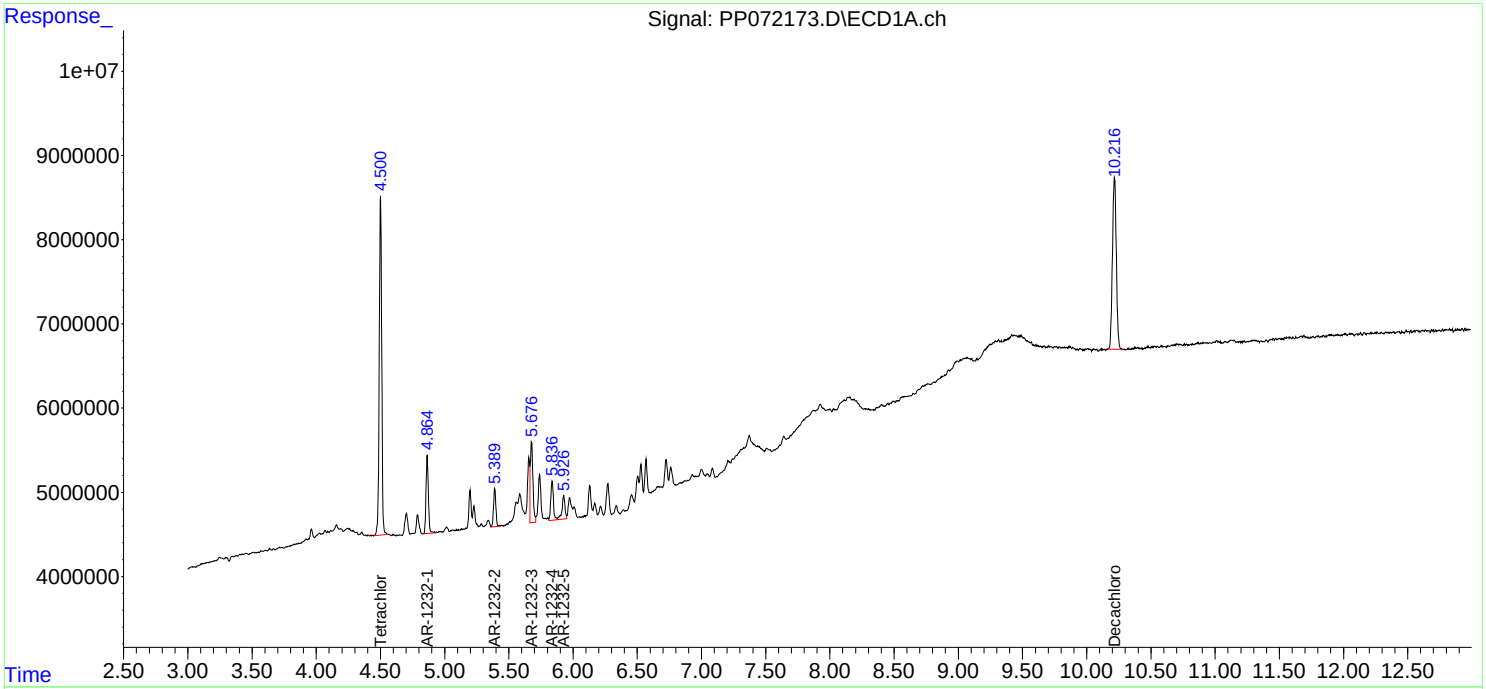
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

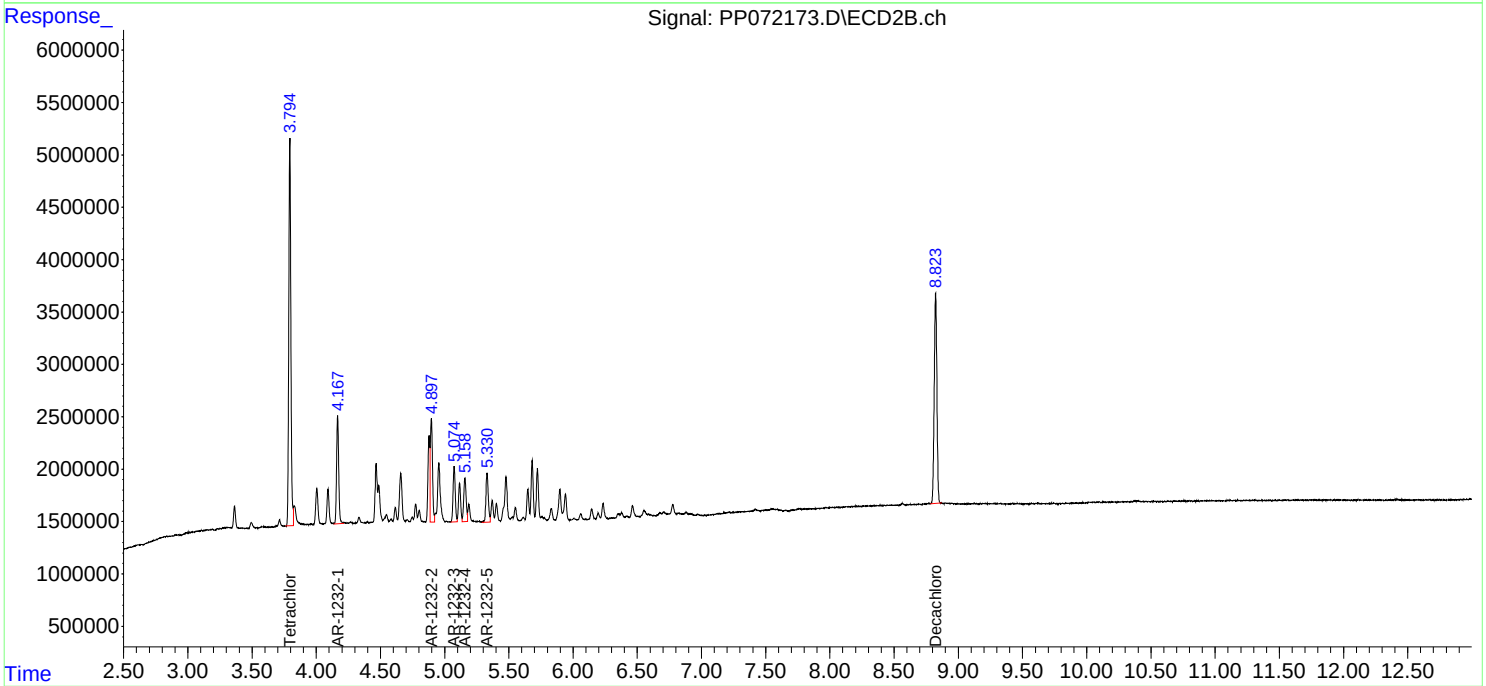
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:10
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

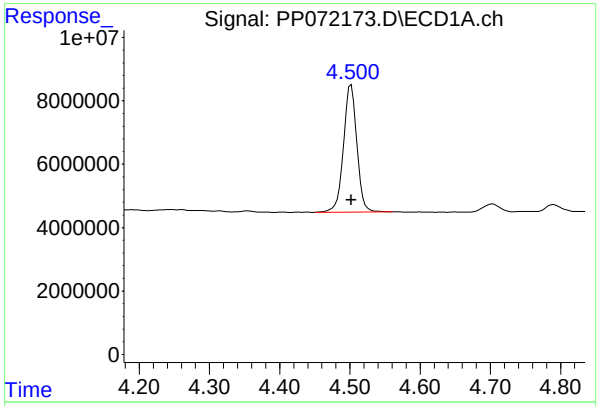
Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:57:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



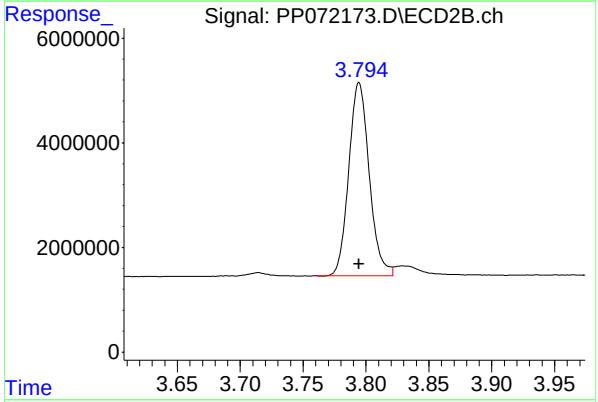




#1 Tetrachloro-m-xylene

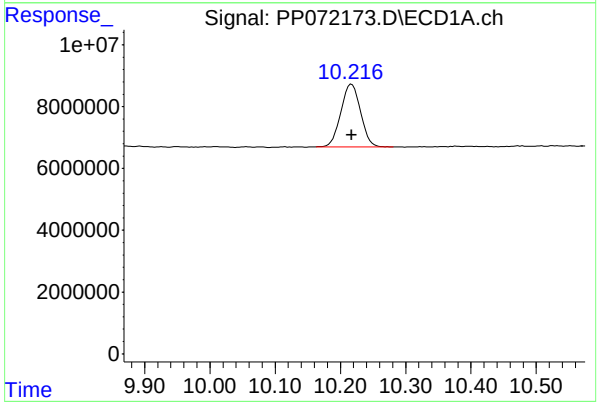
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 53057253
Conc: 26.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



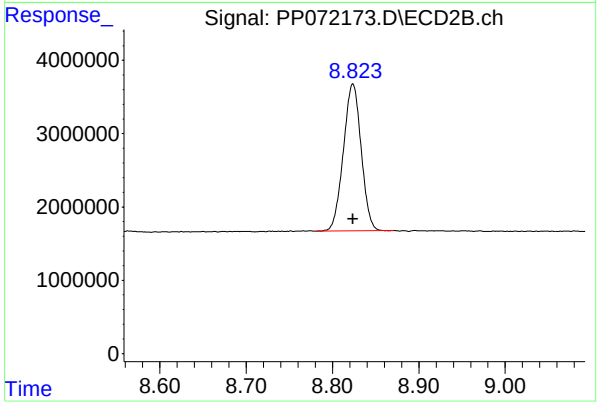
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 41777414
Conc: 26.02 ng/ml



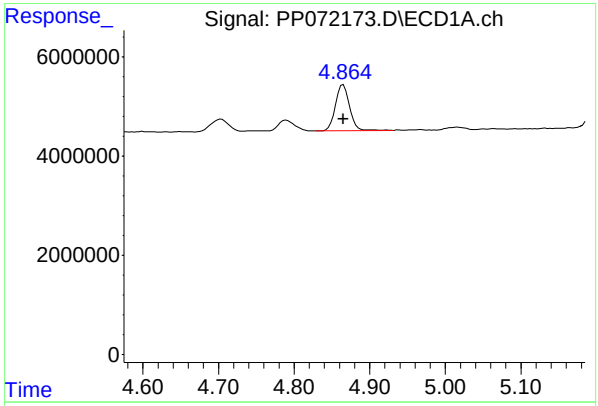
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 42592543
Conc: 26.12 ng/ml



#2 Decachlorobiphenyl

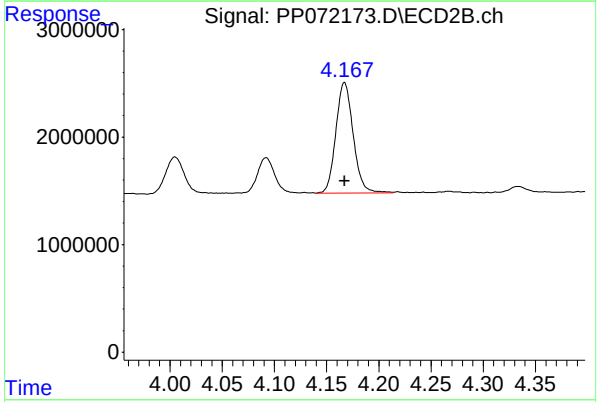
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 28685378
Conc: 26.51 ng/ml



#11 AR-1232-1

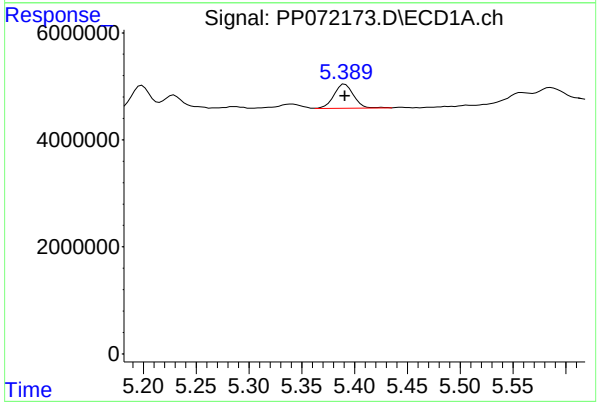
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 12061819
Conc: 259.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



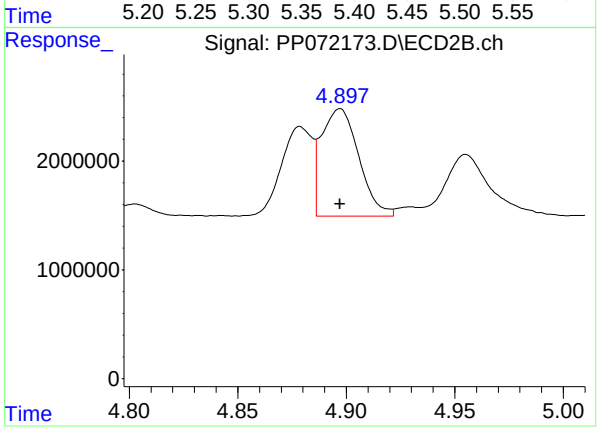
#11 AR-1232-1

R.T.: 4.167 min
Delta R.T.: 0.000 min
Response: 11916931
Conc: 278.49 ng/ml



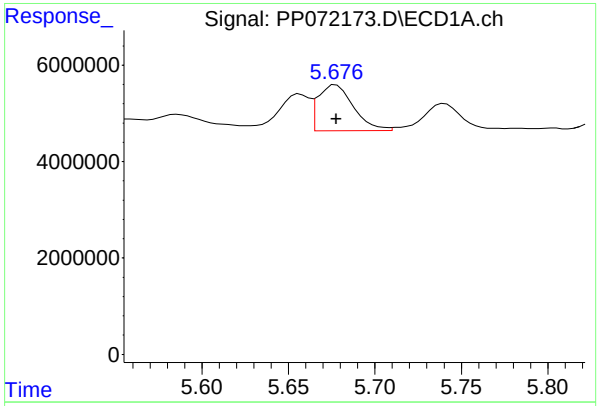
#12 AR-1232-2

R.T.: 5.391 min
Delta R.T.: 0.000 min
Response: 5757452
Conc: 253.30 ng/ml



#12 AR-1232-2

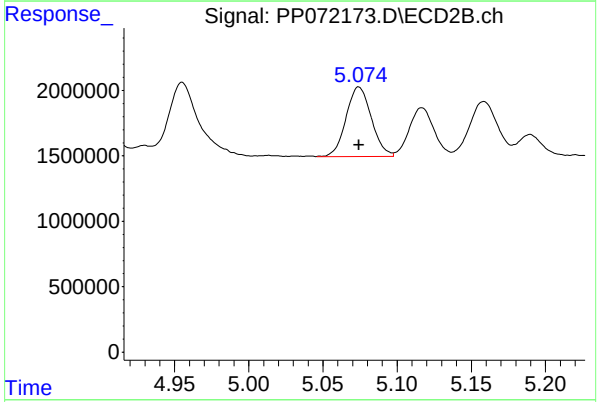
R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 11850655
Conc: 273.50 ng/ml



#13 AR-1232-3

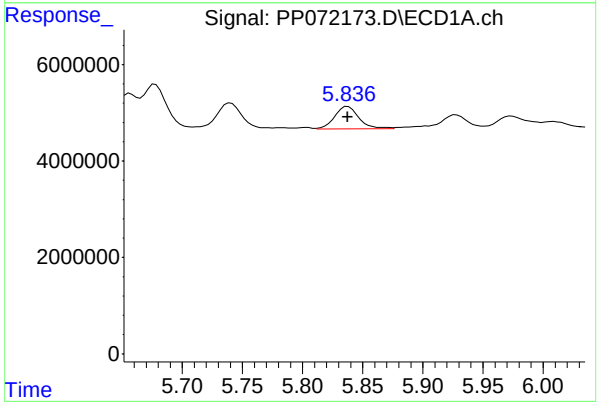
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 13595730
Conc: 267.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



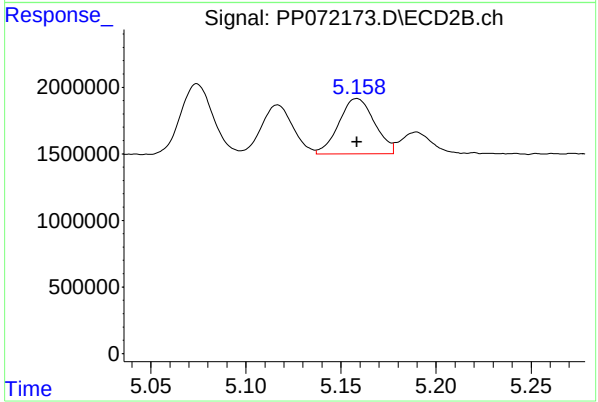
#13 AR-1232-3

R.T.: 5.074 min
Delta R.T.: 0.000 min
Response: 6293241
Conc: 273.25 ng/ml



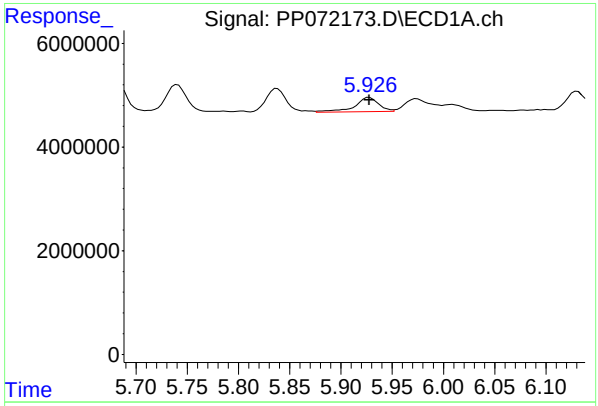
#14 AR-1232-4

R.T.: 5.838 min
Delta R.T.: 0.000 min
Response: 6545799
Conc: 266.16 ng/ml



#14 AR-1232-4

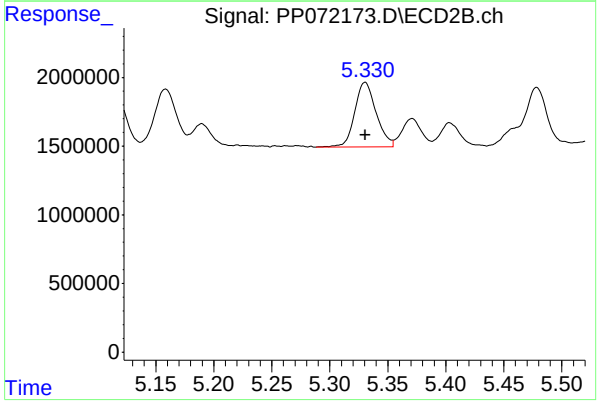
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 5422323
Conc: 272.20 ng/ml



#15 AR-1232-5

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 4527330
Conc: 271.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 6054853
Conc: 276.91 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.499	3.796	9615863	7891304	4.814	4.932
2)	SA Decachlor...	10.211	8.824	7499330	5759848	4.674	5.254
	Target Compounds						
11)	L3 AR-1232-1	4.863	4.168	2465980	2277793	52.347	52.551
12)	L3 AR-1232-2	5.389	4.898	1274783	2379299	54.751	53.854
13)	L3 AR-1232-3	5.674	5.075	2358363	1239517	46.317m	53.009
14)	L3 AR-1232-4	5.832	5.160	1356122	1195921	55.264m	57.718
15)	L3 AR-1232-5	5.924	5.331	1041139	1415397	59.427	61.129

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

ICAL Form

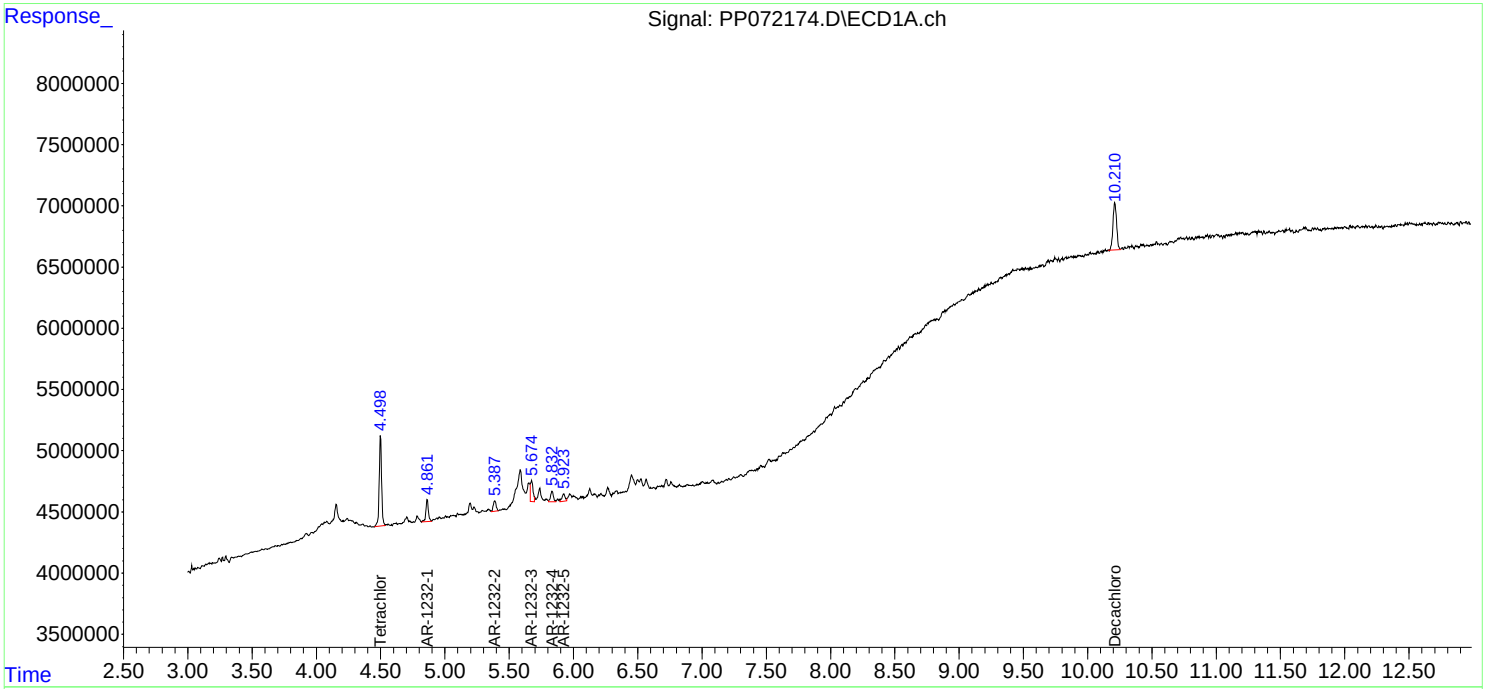
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

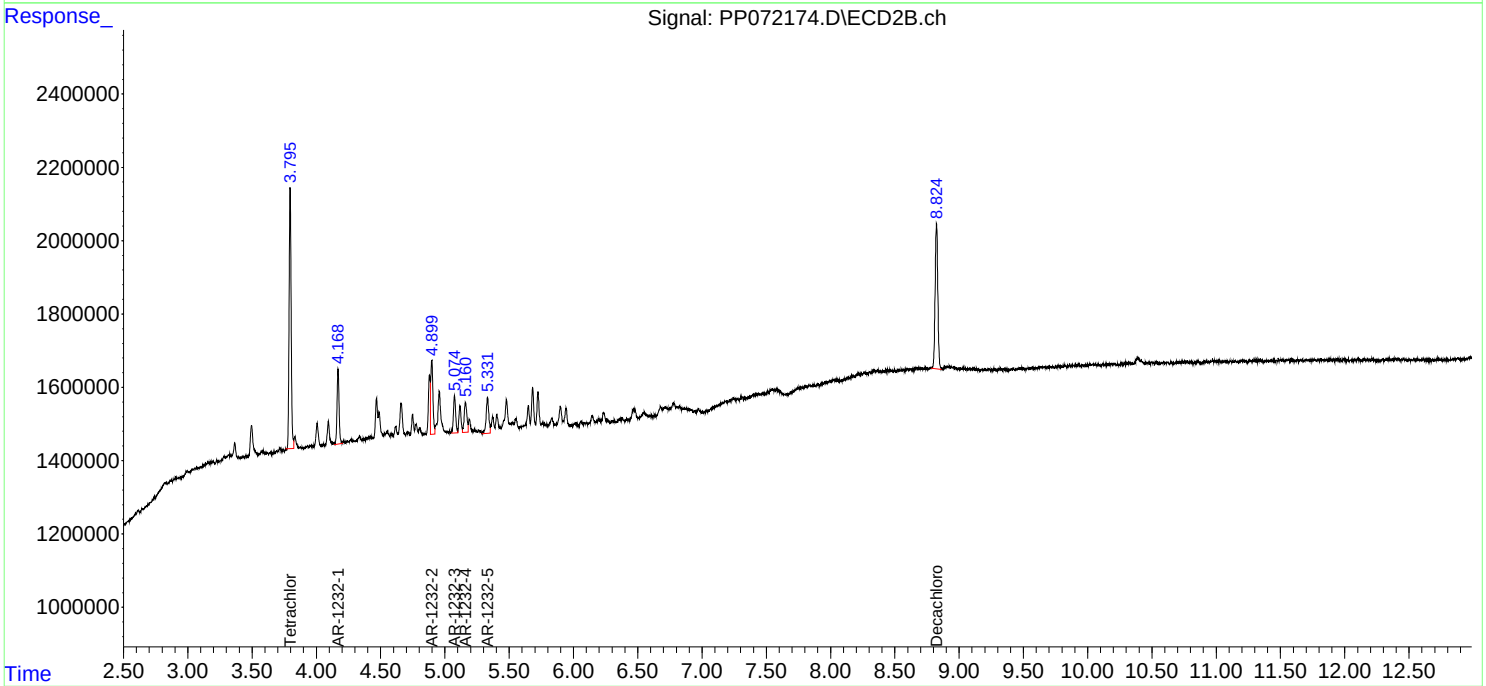
Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

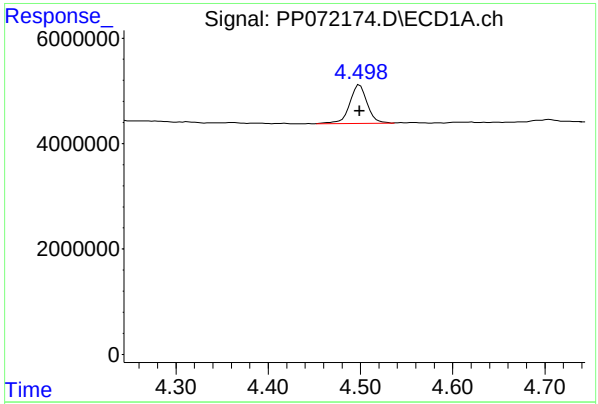
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







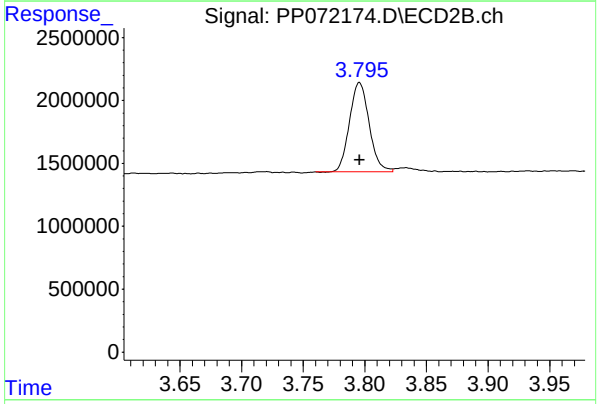
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 9615863
Conc: 4.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

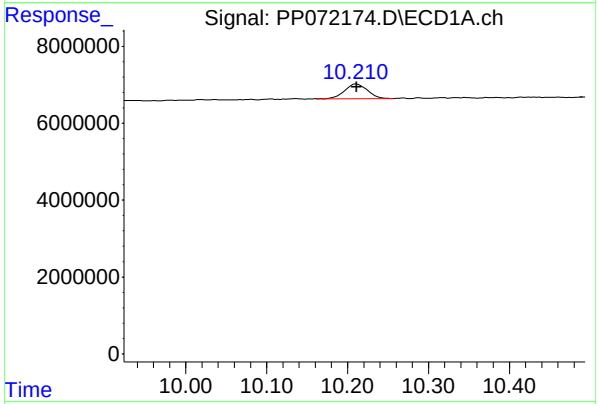
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



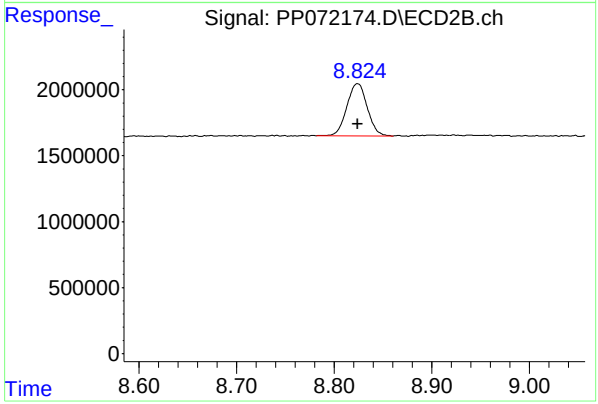
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 7891304
Conc: 4.93 ng/ml



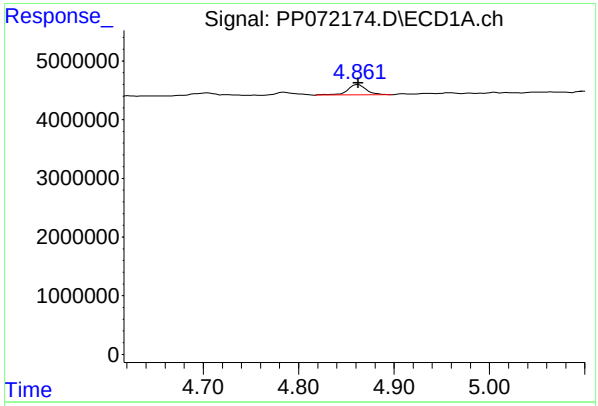
#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: 0.000 min
Response: 7499330
Conc: 4.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5759848
Conc: 5.25 ng/ml



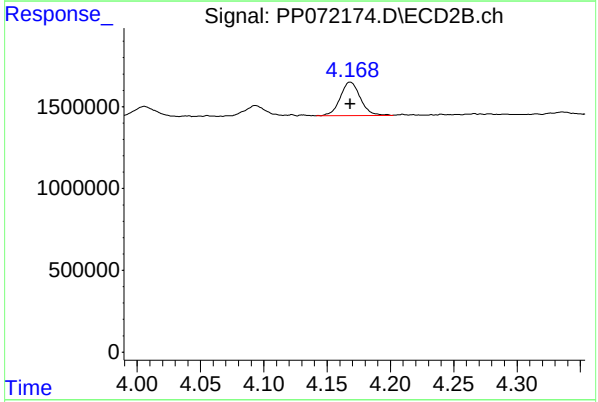
#11 AR-1232-1

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 2465980
Conc: 52.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

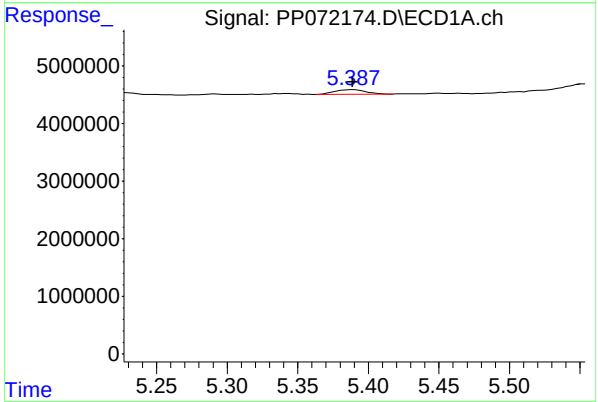
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



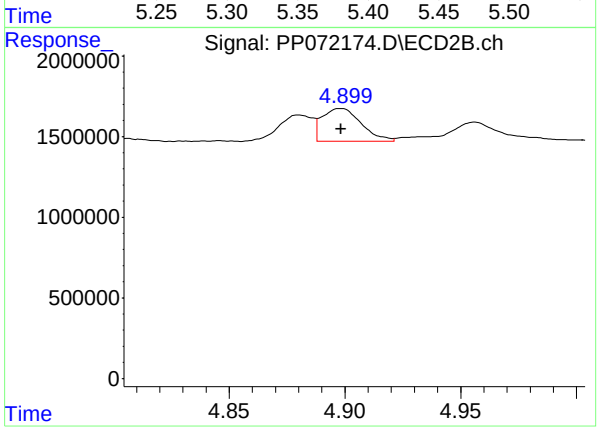
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 2277793
Conc: 52.55 ng/ml



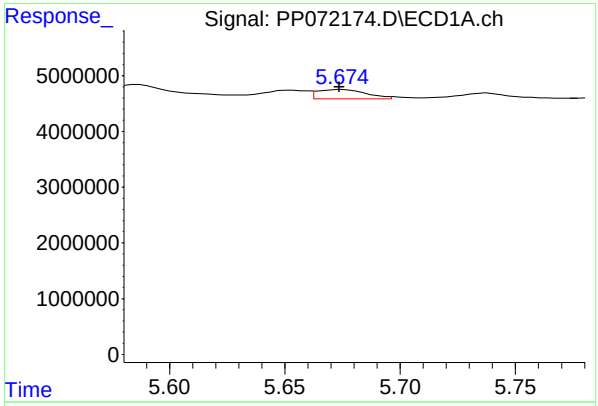
#12 AR-1232-2

R.T.: 5.389 min
Delta R.T.: 0.000 min
Response: 1274783
Conc: 54.75 ng/ml



#12 AR-1232-2

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 2379299
Conc: 53.85 ng/ml



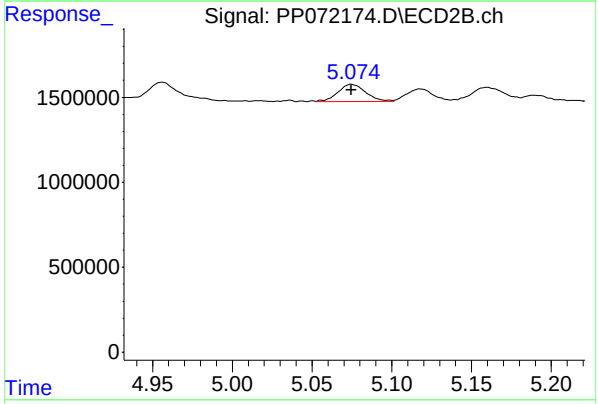
#13 AR-1232-3

R.T.: 5.674 min
Delta R.T.: 0.000 mi
Response: 2358363
Conc: 46.32 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

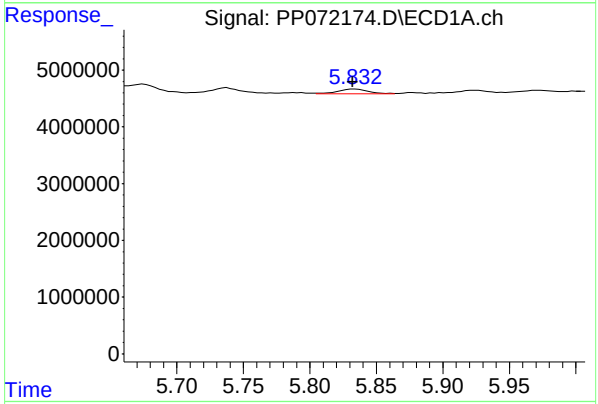
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



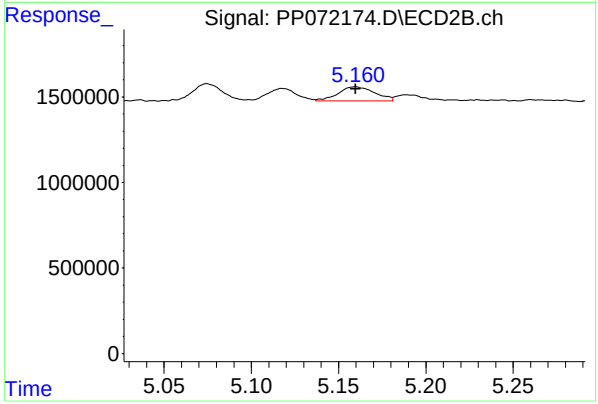
#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 1239517
Conc: 53.01 ng/ml



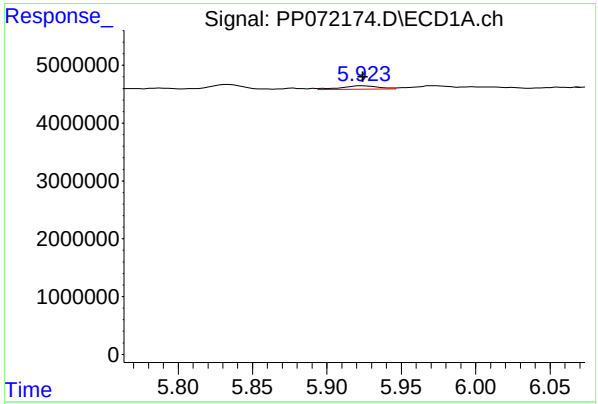
#14 AR-1232-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 1356122
Conc: 55.26 ng/ml m



#14 AR-1232-4

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 1195921
Conc: 57.72 ng/ml



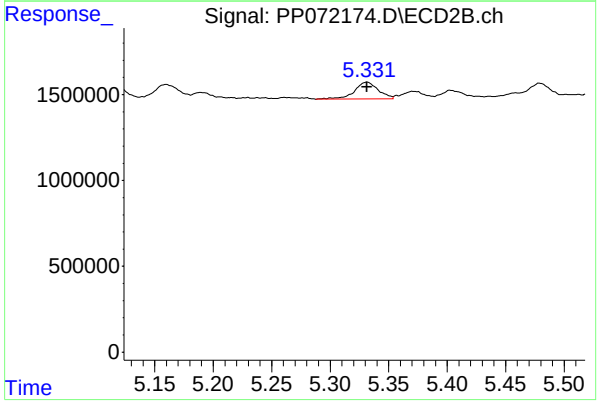
#15 AR-1232-5

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1041139
Conc: 59.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 1415397
Conc: 61.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:43
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.797	182.8E6	154.6E6	95.720	98.241
2)	SA Decachlor...	10.216	8.825	152.6E6	96717168	96.225	96.077
	Target Compounds						
16)	L4 AR-1242-1	5.656	4.881	56211553	46123670	950.363	932.105
17)	L4 AR-1242-2	5.678	4.898	82973080	66003789	949.042	933.080
18)	L4 AR-1242-3	5.740	5.076	51559127	34394227	963.224	911.604
19)	L4 AR-1242-4	5.837	5.160	41207603	32146418	945.604	905.879
20)	L4 AR-1242-5	6.568	5.683	47977894	41776015	970.648	922.915

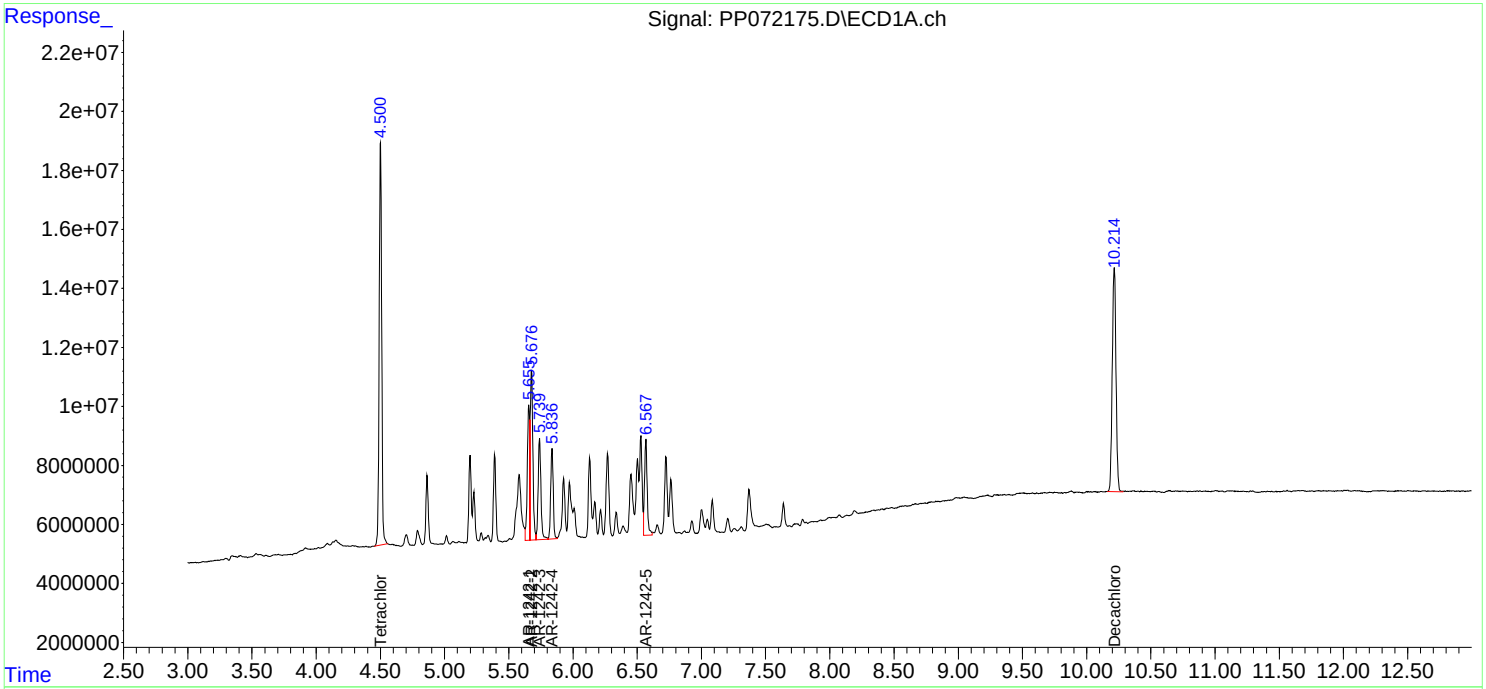
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

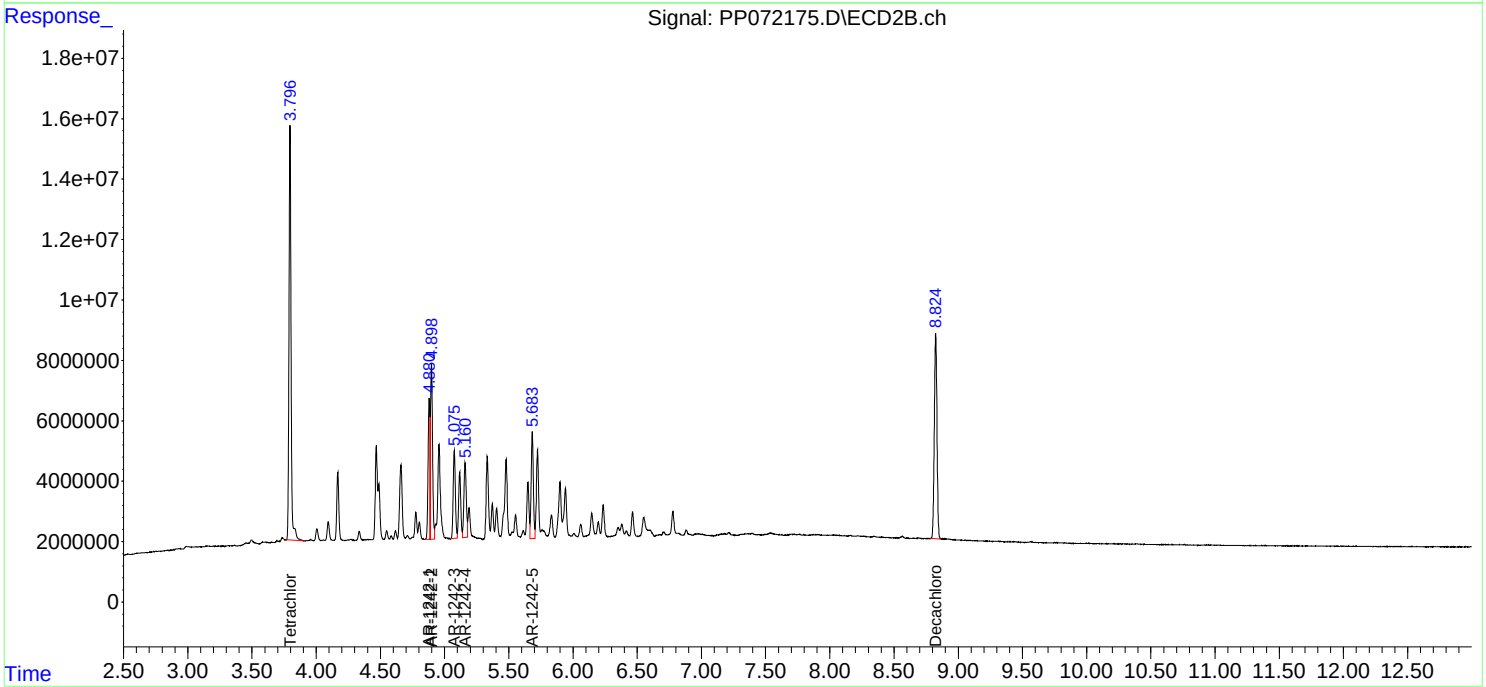
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:43
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

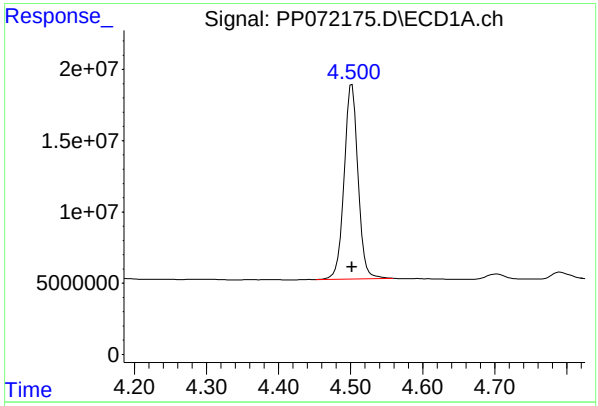
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



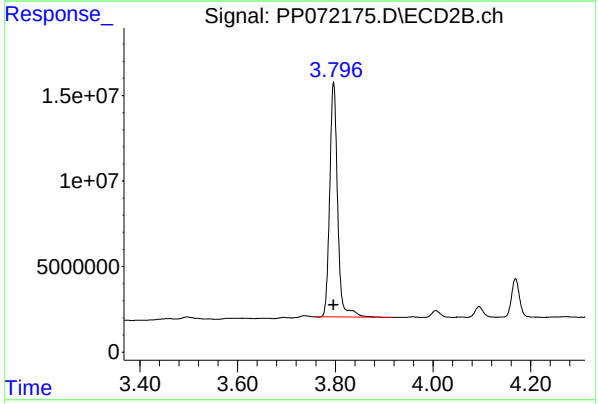




#1 Tetrachloro-m-xylene

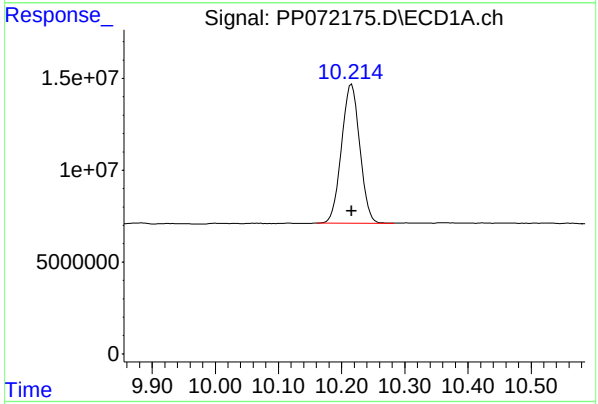
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 182780849
Conc: 95.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



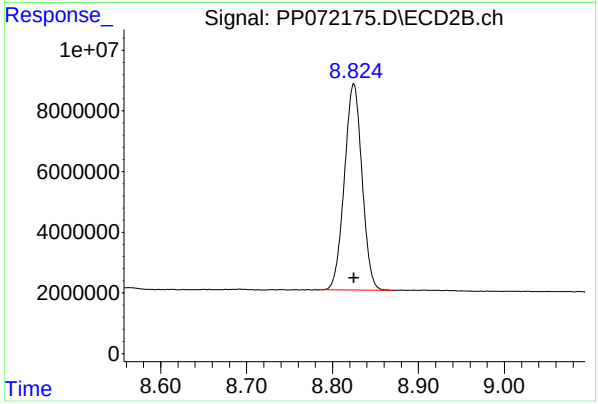
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 154562185
Conc: 98.24 ng/ml



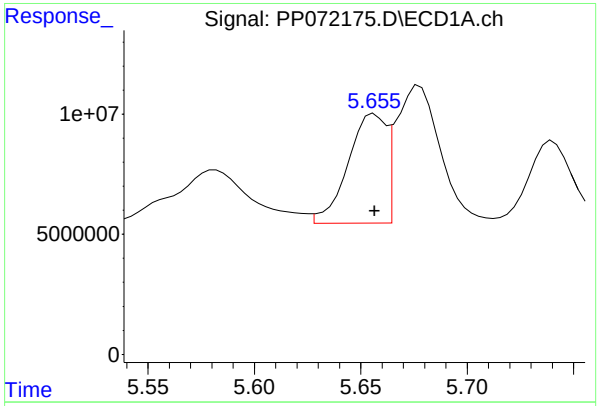
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.000 min
Response: 152621418
Conc: 96.22 ng/ml



#2 Decachlorobiphenyl

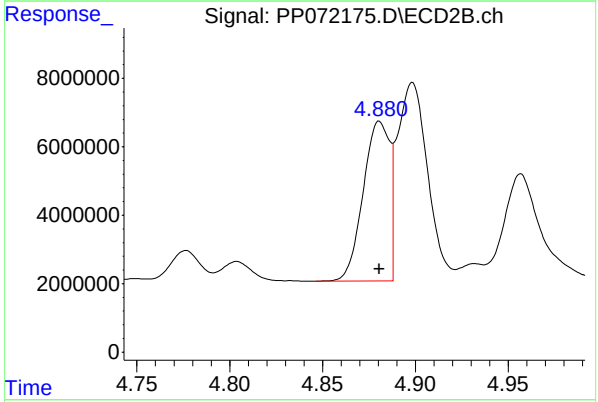
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 96717168
Conc: 96.08 ng/ml



#16 AR-1242-1

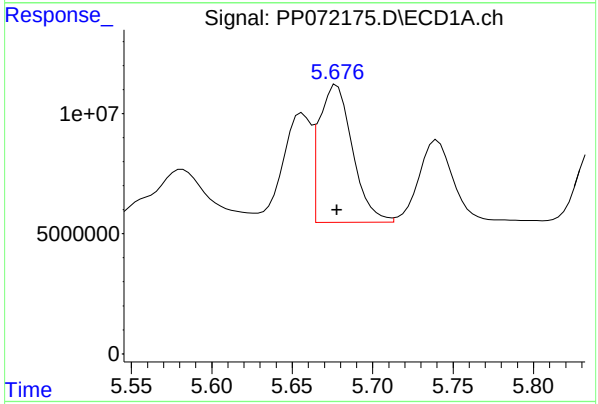
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 56211553
Conc: 950.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



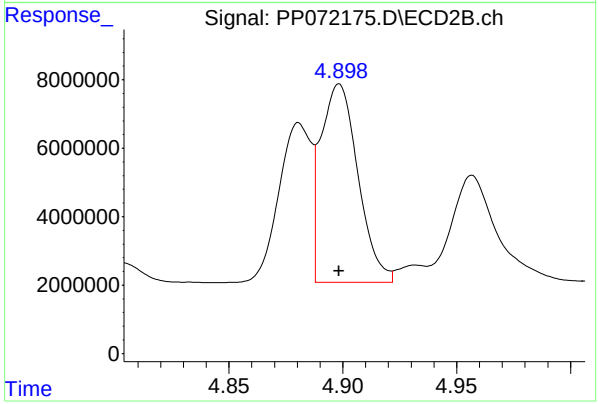
#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 46123670
Conc: 932.11 ng/ml



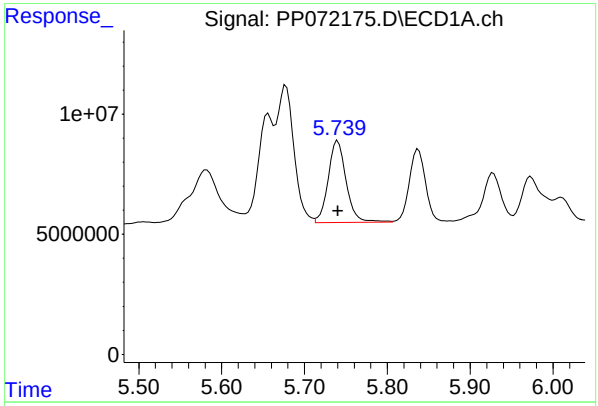
#17 AR-1242-2

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 82973080
Conc: 949.04 ng/ml



#17 AR-1242-2

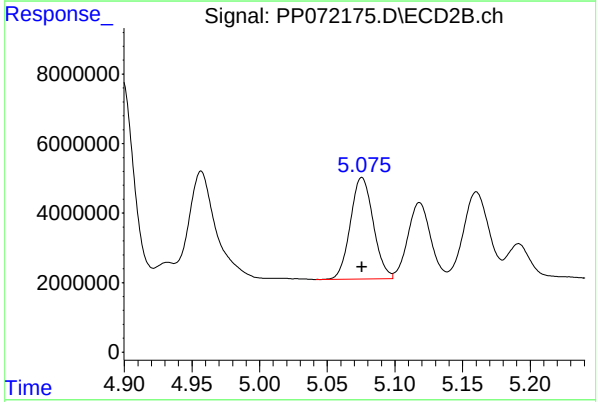
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 66003789
Conc: 933.08 ng/ml



#18 AR-1242-3

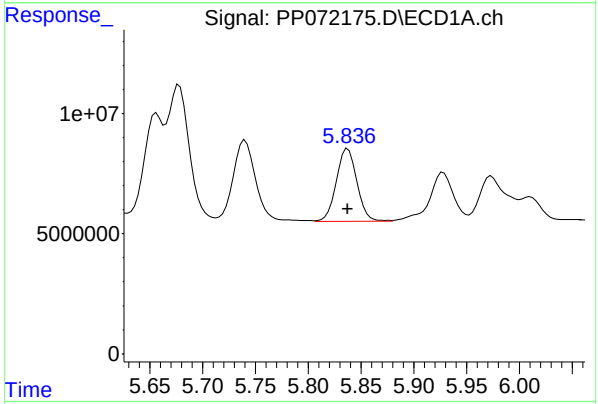
R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 51559127
Conc: 963.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



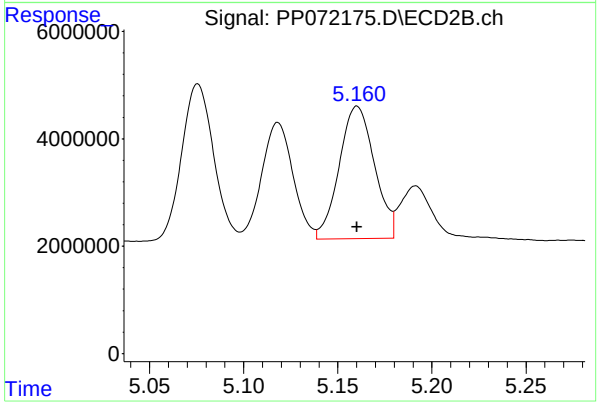
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 34394227
Conc: 911.60 ng/ml



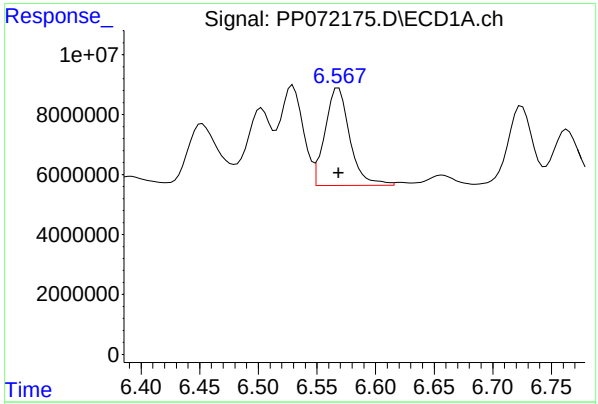
#19 AR-1242-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 41207603
Conc: 945.60 ng/ml



#19 AR-1242-4

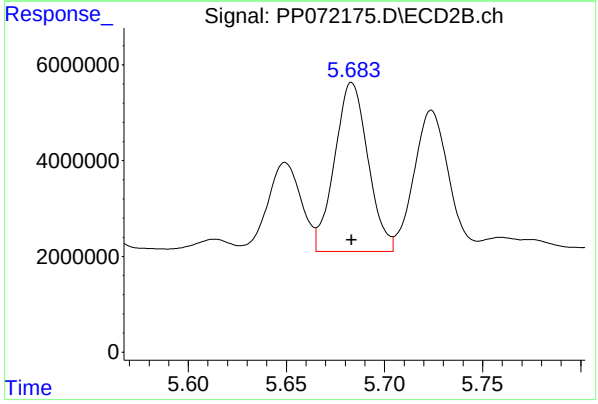
R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 32146418
Conc: 905.88 ng/ml



#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 47977894
Conc: 970.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 41776015
Conc: 922.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:59
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:45:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	144.7E6	125.3E6	75.506	78.026
2)	SA Decachlor...	10.215	8.825	117.5E6	80603094	74.400	78.305
	Target Compounds						
16)	L4 AR-1242-1	5.656	4.881	42992304	37426857	734.417	754.223
17)	L4 AR-1242-2	5.677	4.899	64478622	53279521	741.623	752.130
18)	L4 AR-1242-3	5.739	5.076	39091479	29082900	736.754	763.759
19)	L4 AR-1242-4	5.837	5.161	32272993	27640589	743.693	769.026
20)	L4 AR-1242-5	6.568	5.684	36522171	34960050	742.554	764.745

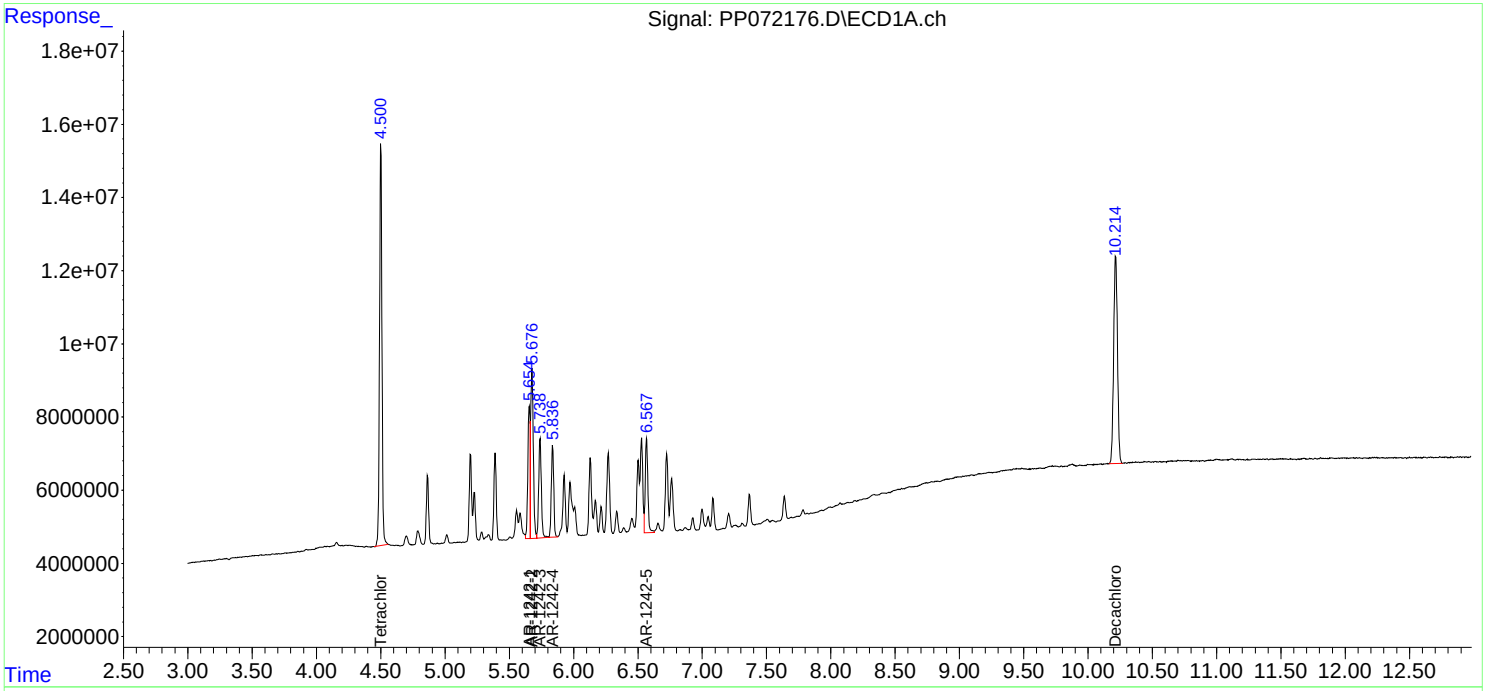
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

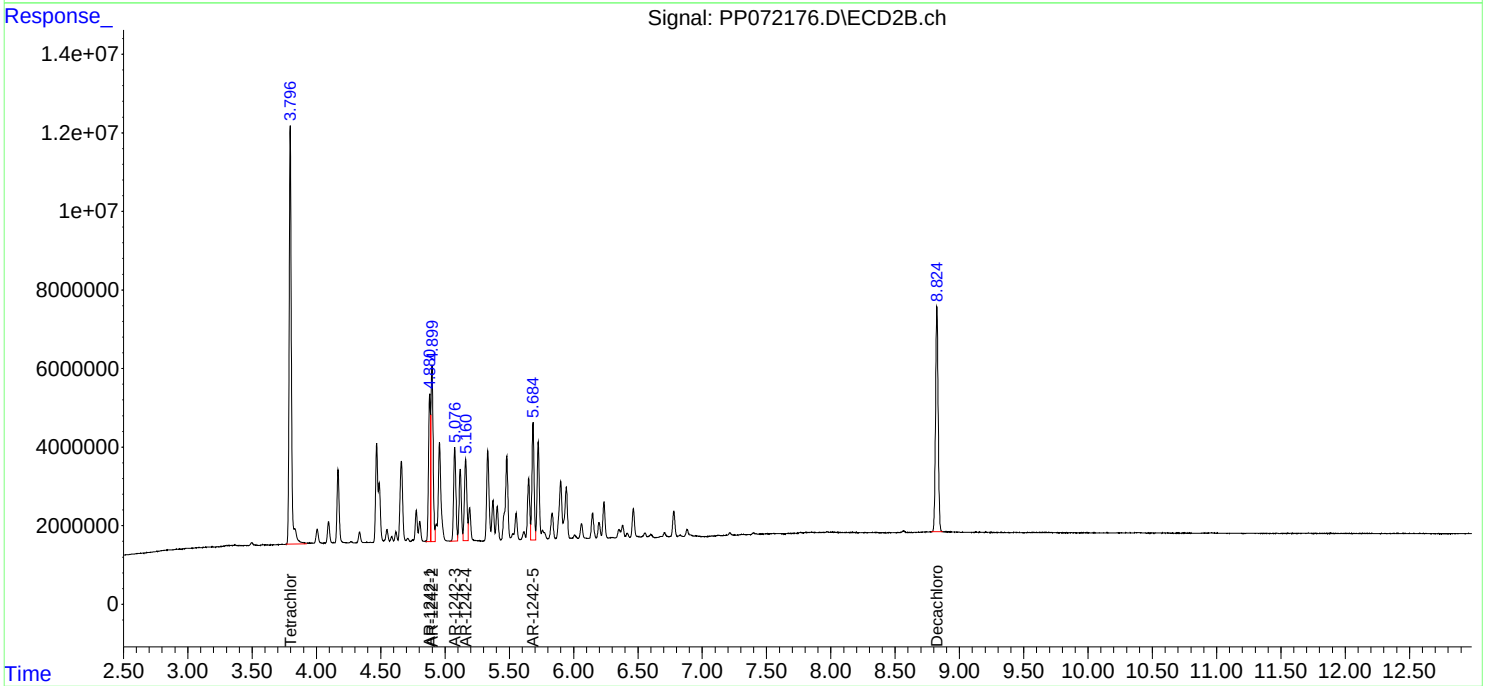
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:59
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

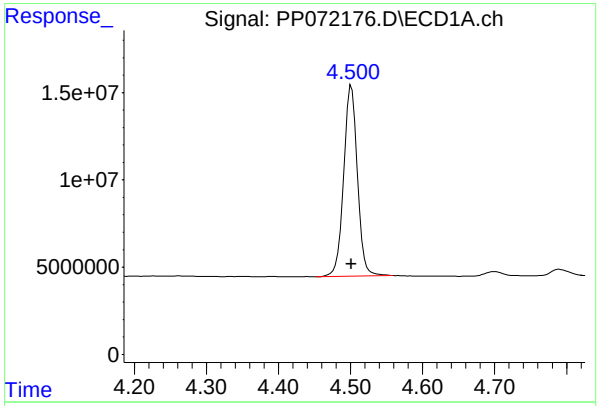
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:45:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



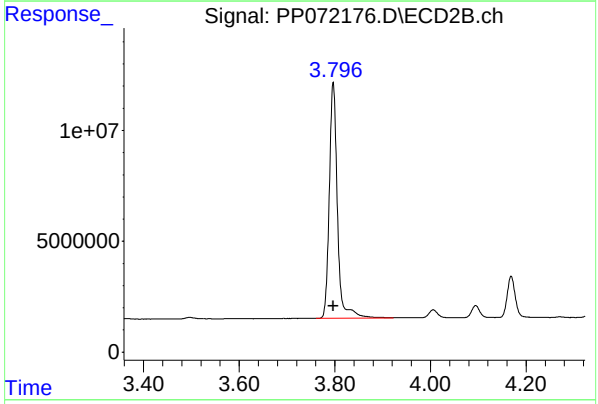




#1 Tetrachloro-m-xylene

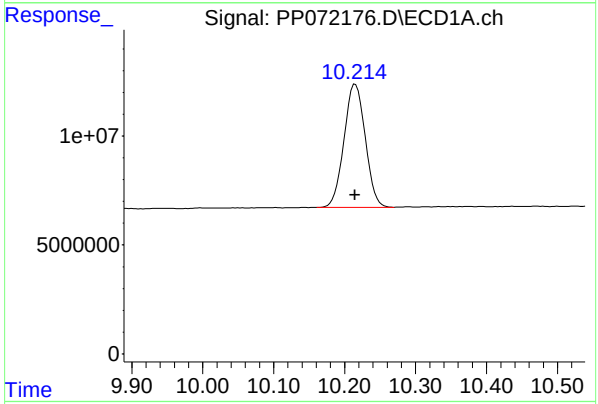
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 144669564
Conc: 75.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



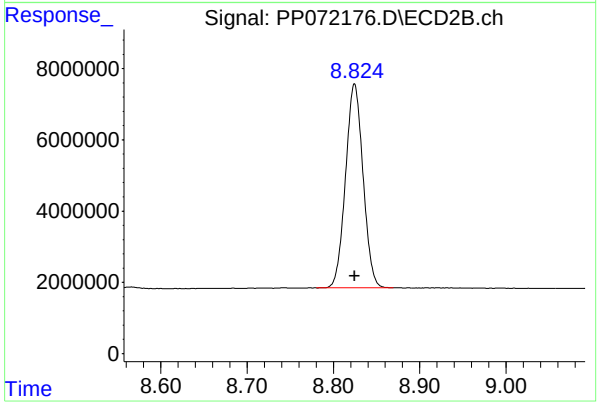
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 125283674
Conc: 78.03 ng/ml



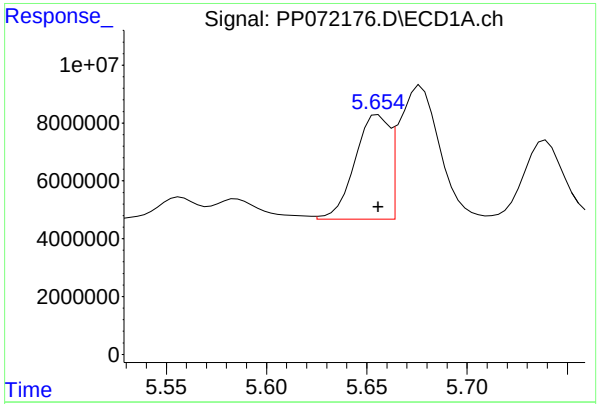
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 117535026
Conc: 74.40 ng/ml



#2 Decachlorobiphenyl

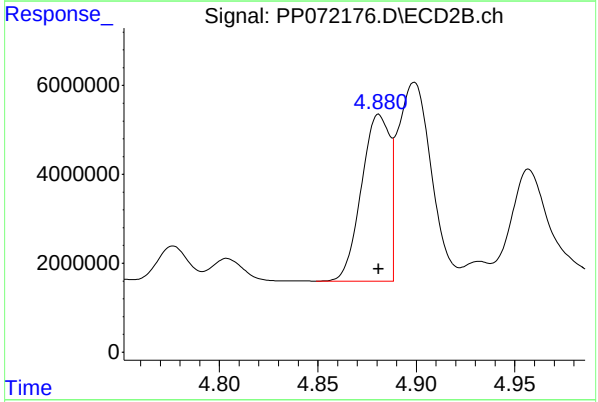
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 80603094
Conc: 78.30 ng/ml



#16 AR-1242-1

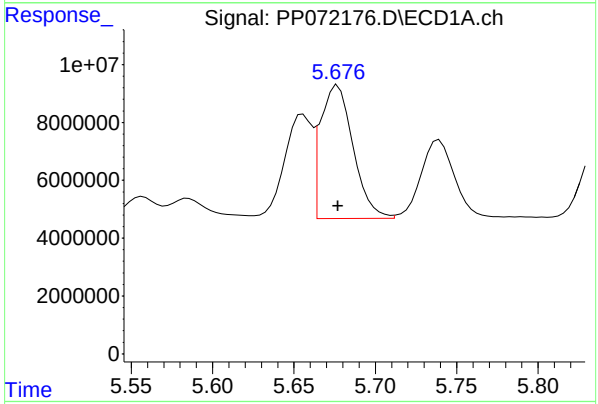
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 42992304
Conc: 734.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



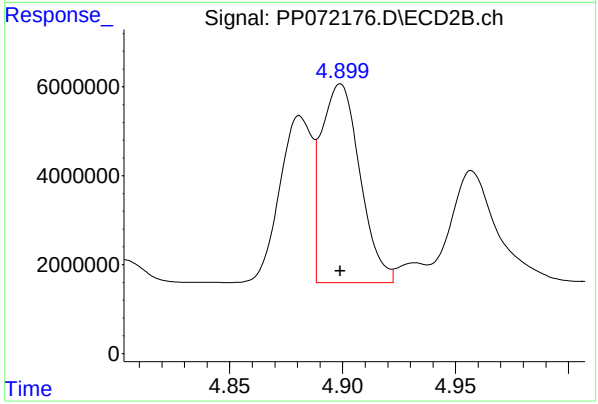
#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 37426857
Conc: 754.22 ng/ml



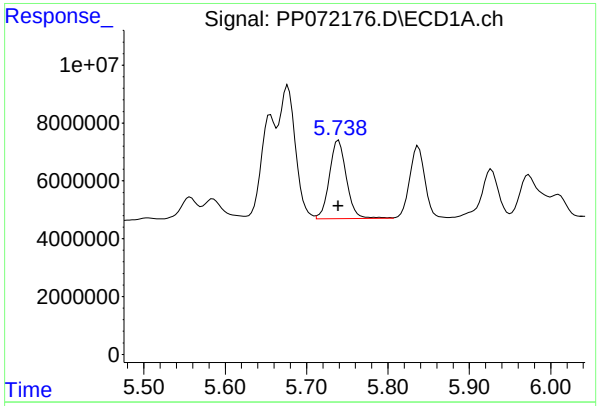
#17 AR-1242-2

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 64478622
Conc: 741.62 ng/ml



#17 AR-1242-2

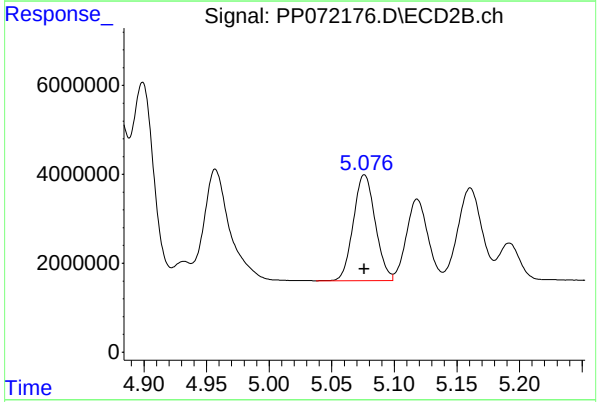
R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 53279521
Conc: 752.13 ng/ml



#18 AR-1242-3

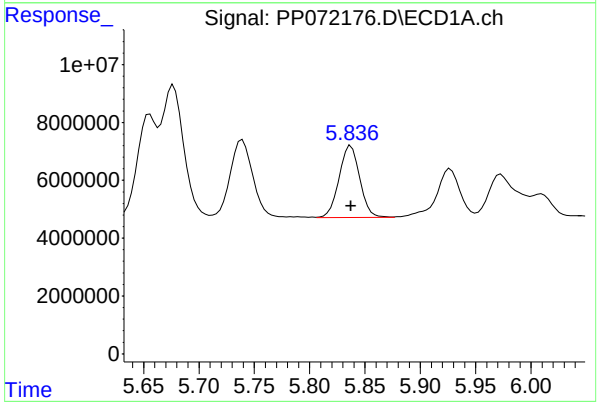
R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 39091479
Conc: 736.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



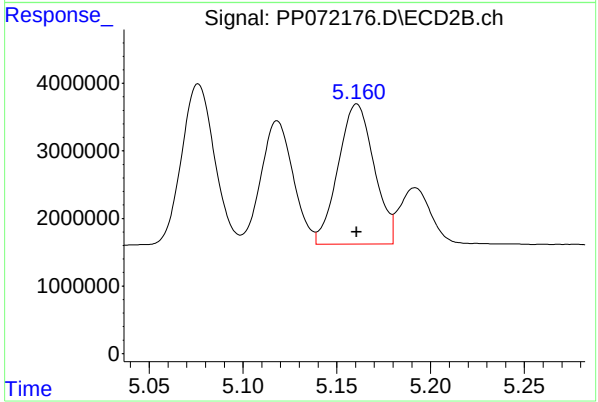
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 29082900
Conc: 763.76 ng/ml



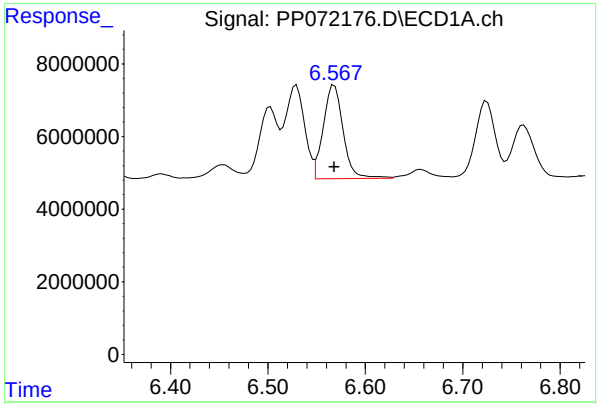
#19 AR-1242-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 32272993
Conc: 743.69 ng/ml



#19 AR-1242-4

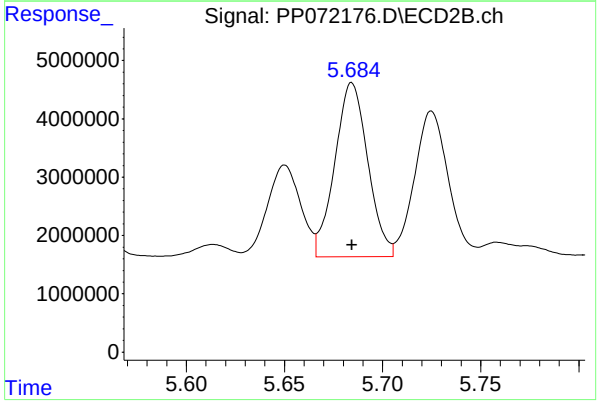
R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 27640589
Conc: 769.03 ng/ml



#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 36522171
Conc: 742.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 34960050
Conc: 764.74 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:39:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.505	3.798	99563757	80047805	50.000	50.000
2)	SA Decachlor...	10.221	8.827	82298882	52308236	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.659	4.883	31041680	26421500	500.000	500.000
17)	L4 AR-1242-2	5.681	4.901	45941667	37735643	500.000	500.000
18)	L4 AR-1242-3	5.743	5.078	27748086	20532241	500.000	500.000
19)	L4 AR-1242-4	5.841	5.162	22974288	19413228	500.000	500.000
20)	L4 AR-1242-5	6.572	5.685	25439777	24377285	500.000	500.000

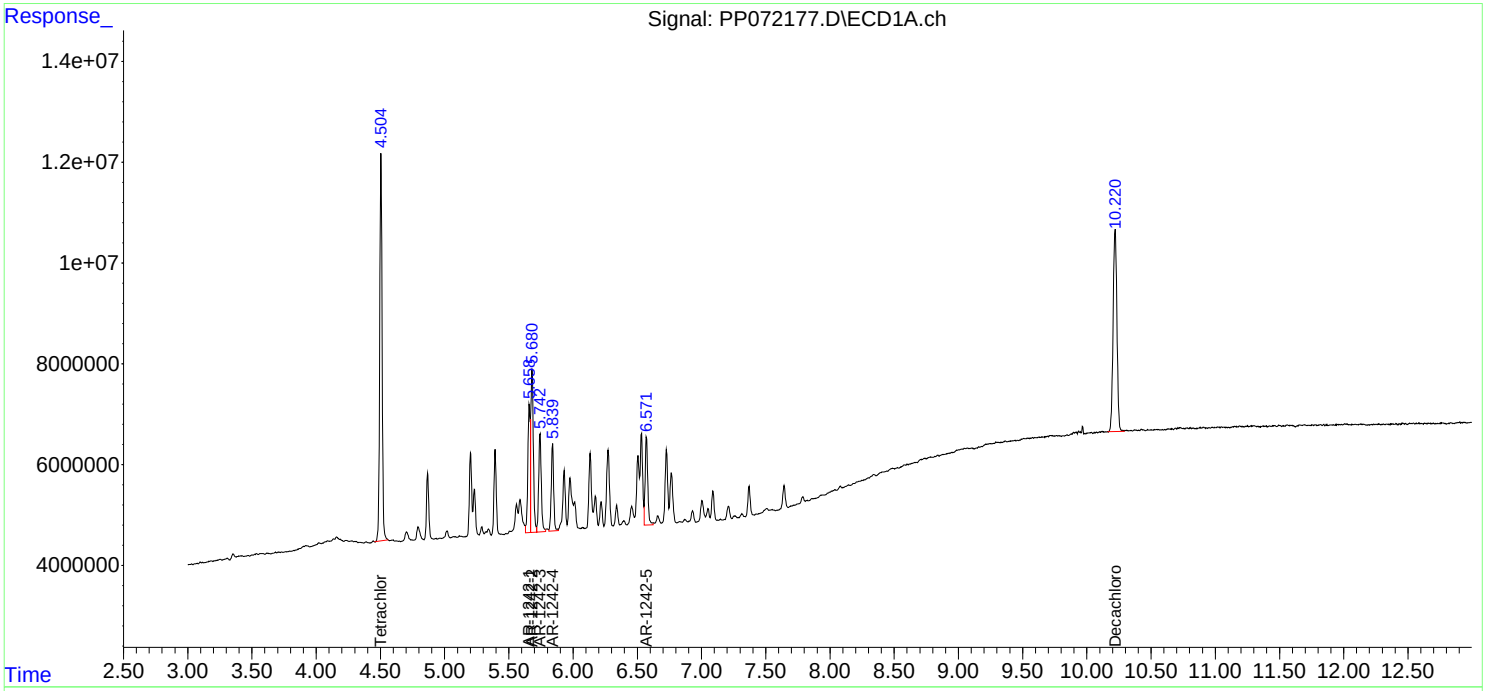
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

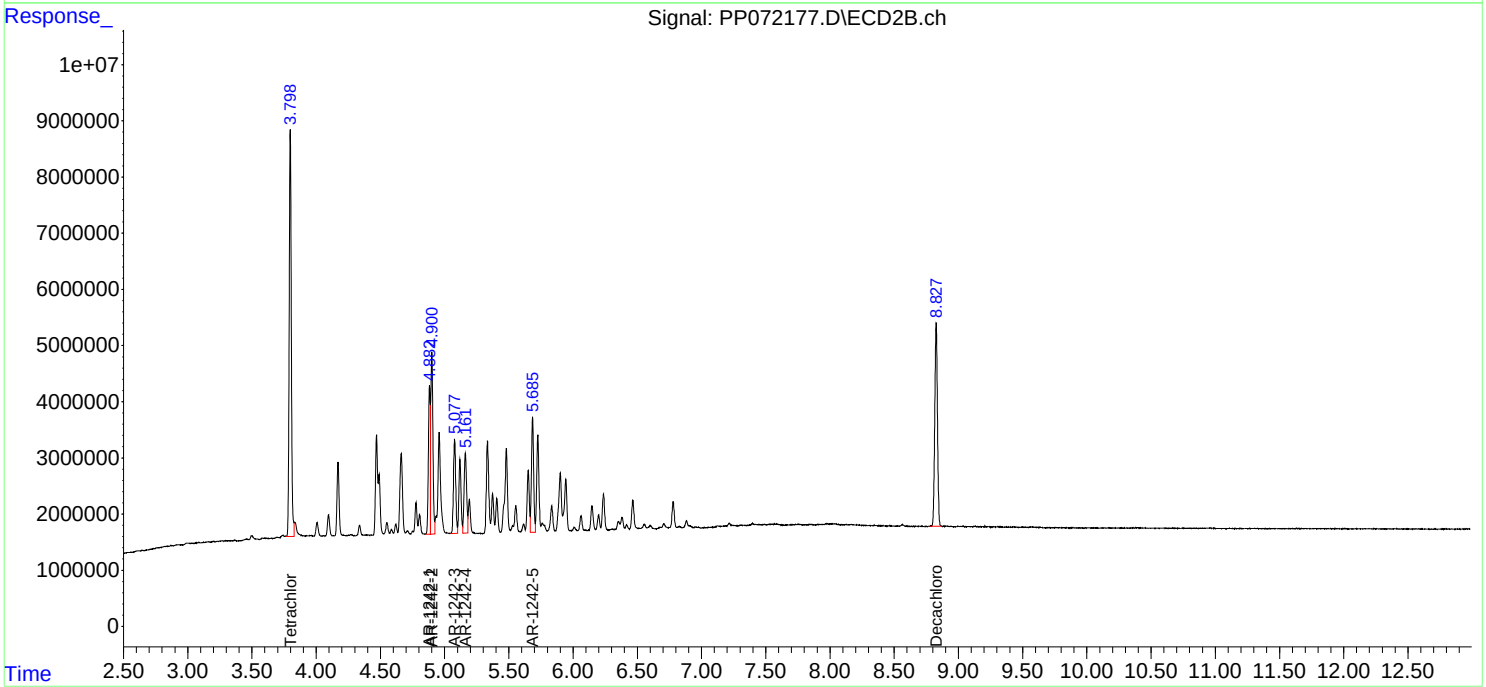
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

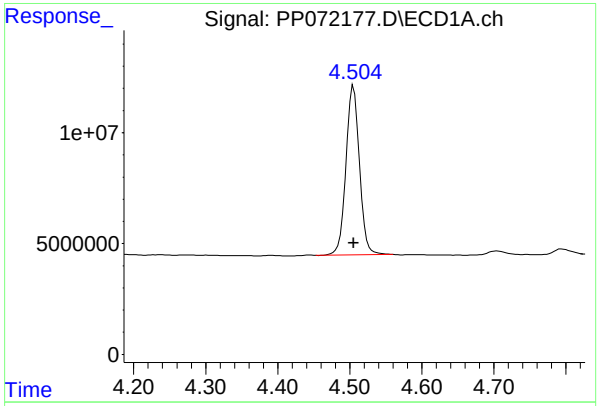
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:39:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



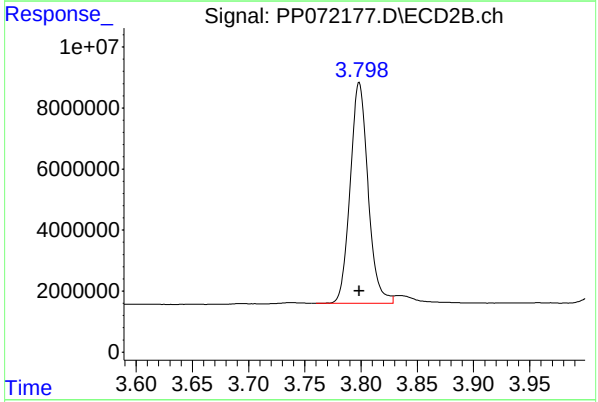




#1 Tetrachloro-m-xylene

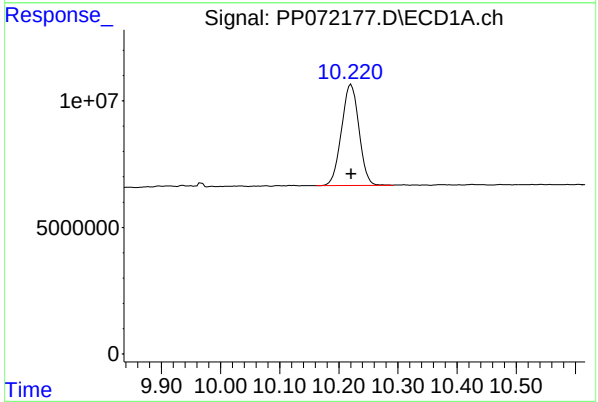
R.T.: 4.505 min
Delta R.T.: 0.000 min
Response: 99563757
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



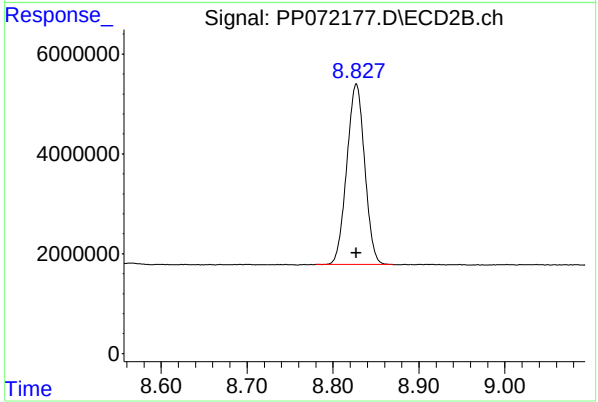
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 80047805
Conc: 50.00 ng/ml



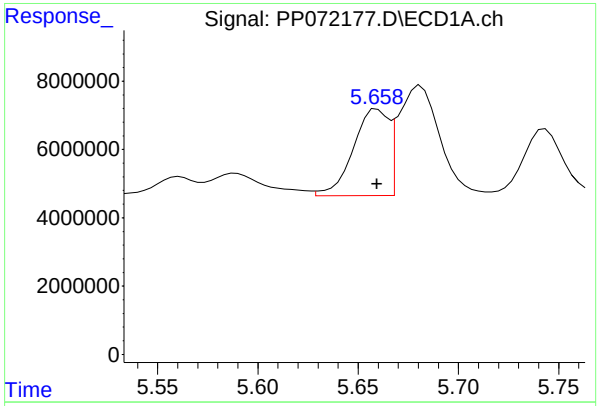
#2 Decachlorobiphenyl

R.T.: 10.221 min
Delta R.T.: 0.000 min
Response: 82298882
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

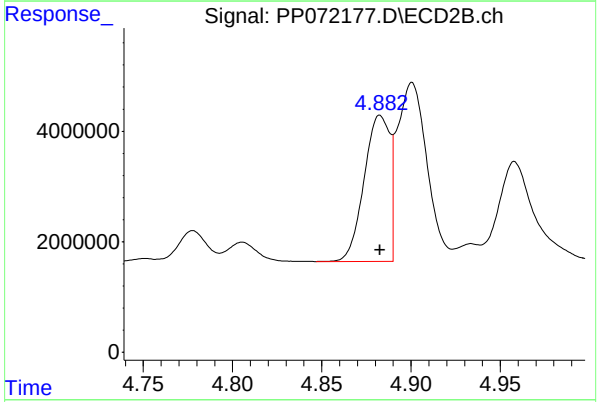
R.T.: 8.827 min
Delta R.T.: 0.000 min
Response: 52308236
Conc: 50.00 ng/ml



#16 AR-1242-1

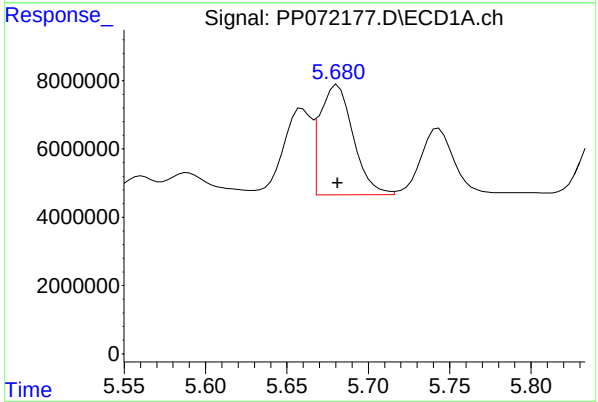
R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 31041680
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



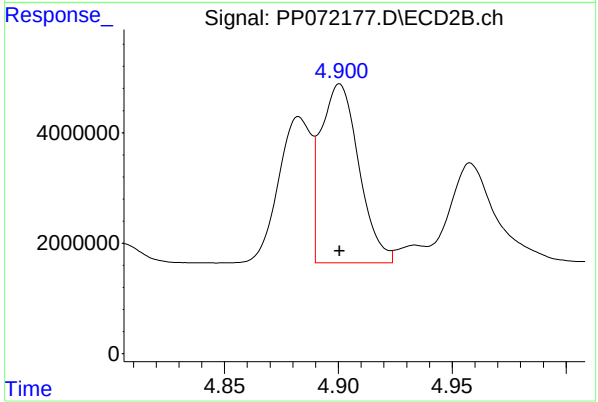
#16 AR-1242-1

R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 26421500
Conc: 500.00 ng/ml



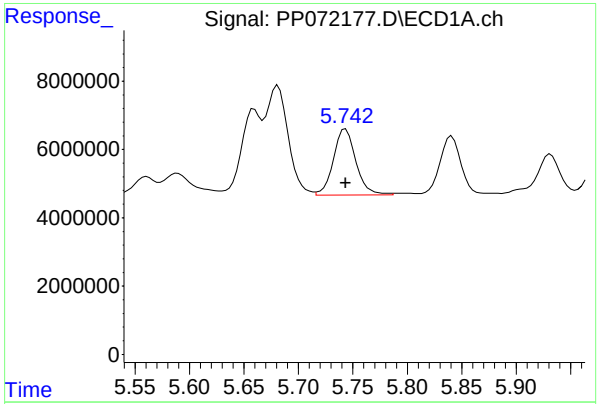
#17 AR-1242-2

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 45941667
Conc: 500.00 ng/ml



#17 AR-1242-2

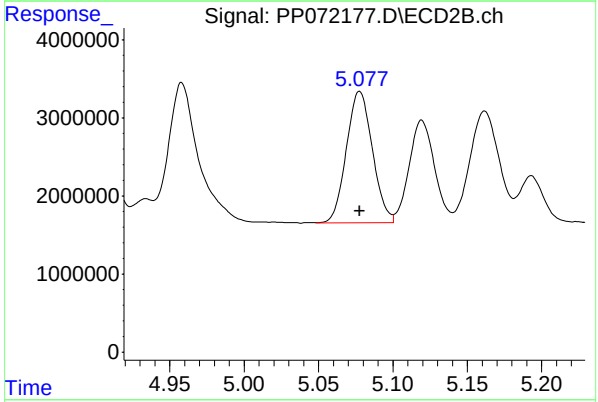
R.T.: 4.901 min
Delta R.T.: 0.000 min
Response: 37735643
Conc: 500.00 ng/ml



#18 AR-1242-3

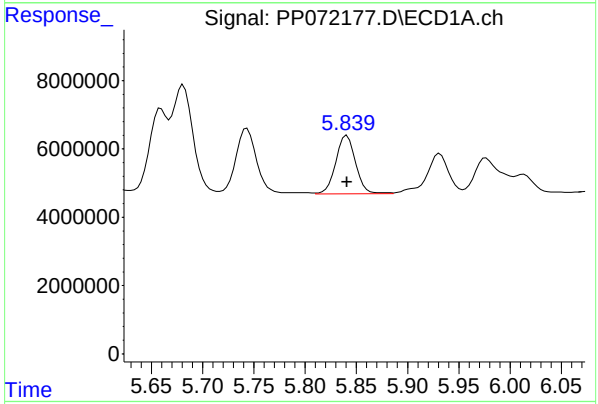
R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 27748086
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



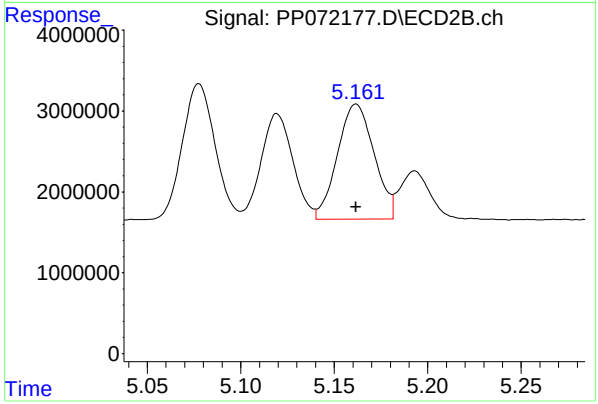
#18 AR-1242-3

R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 20532241
Conc: 500.00 ng/ml



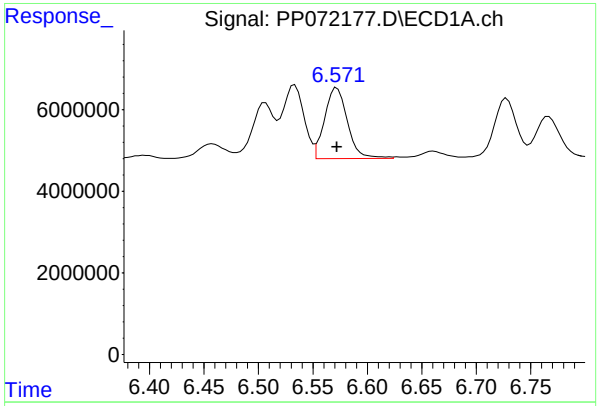
#19 AR-1242-4

R.T.: 5.841 min
Delta R.T.: 0.000 min
Response: 22974288
Conc: 500.00 ng/ml



#19 AR-1242-4

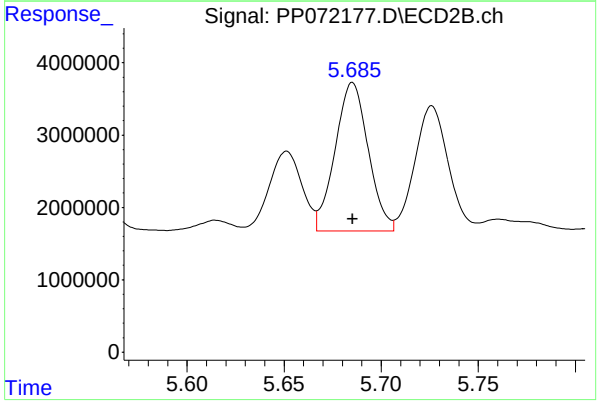
R.T.: 5.162 min
Delta R.T.: 0.000 min
Response: 19413228
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 25439777
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 24377285
Conc: 500.00 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.797	52867260	40596927	26.895	25.212
2)	SA Decachlor...	10.214	8.825	43224831	29078092	26.730	27.360
	Target Compounds						
16)	L4 AR-1242-1	5.654	4.881	16460967	14309390	272.688	277.708
17)	L4 AR-1242-2	5.675	4.899	24396194	20235141	272.269	275.819
18)	L4 AR-1242-3	5.738	5.076	14270237	11178619	263.948	281.311
19)	L4 AR-1242-4	5.836	5.161	11695459	10798164	264.351	286.007
20)	L4 AR-1242-5	6.566	5.684	13108900	13556747	262.192	283.361

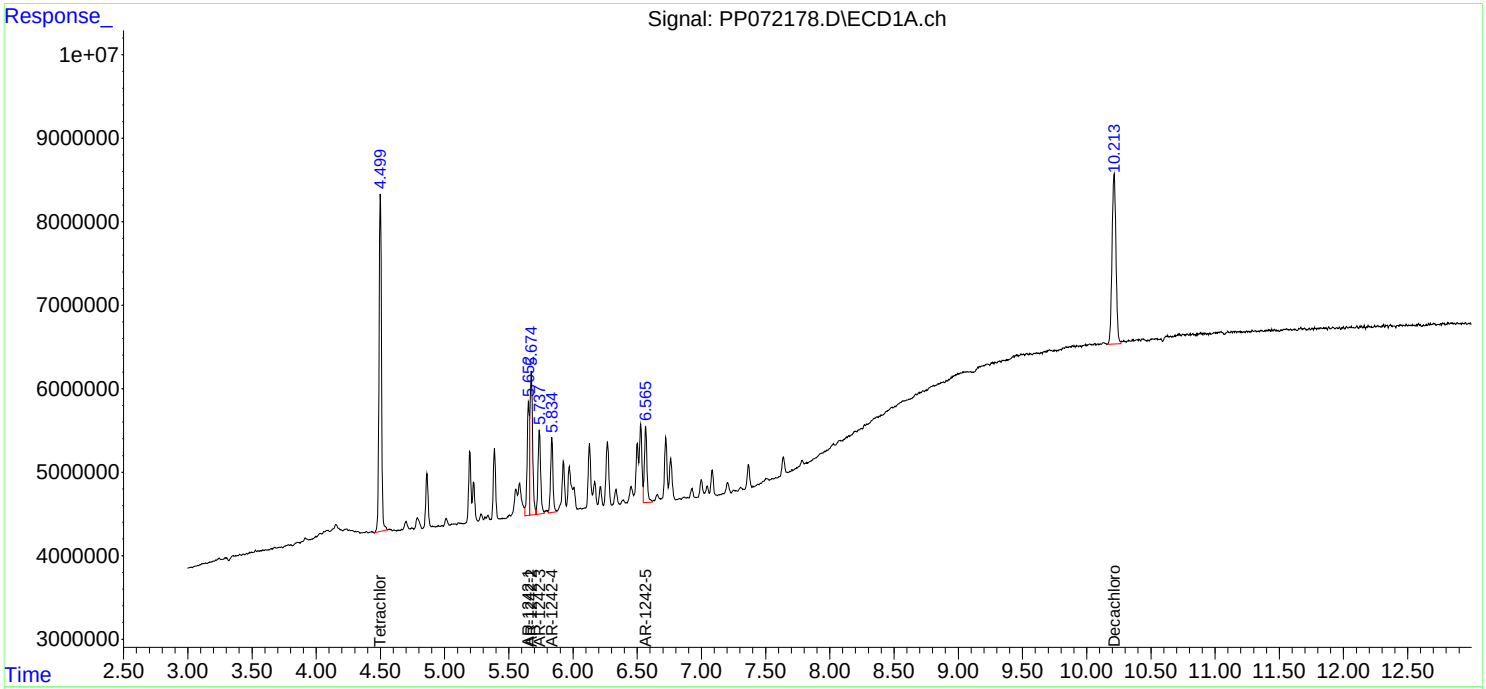
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

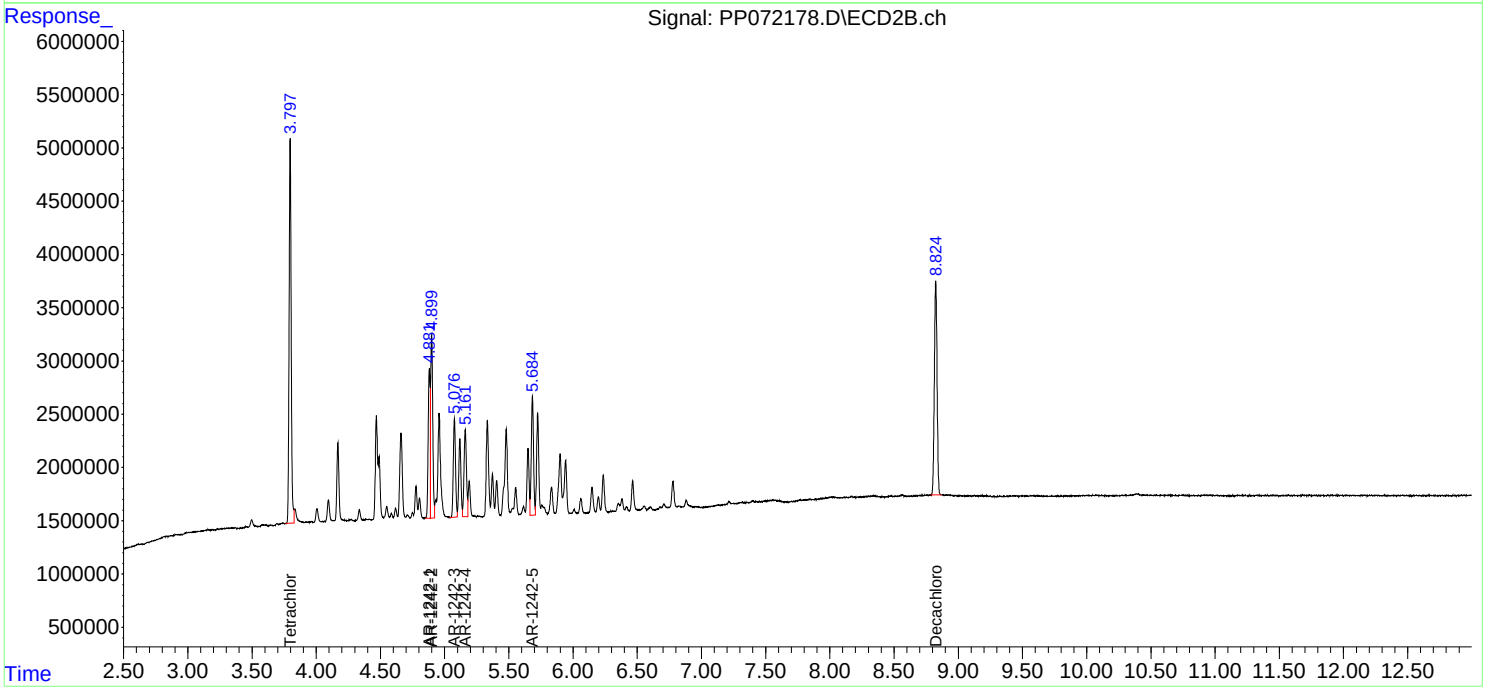
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

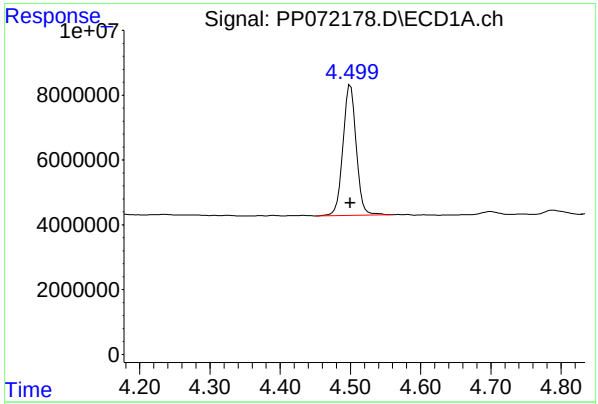
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



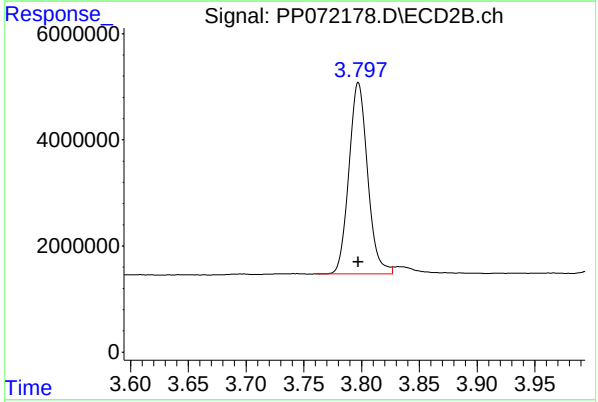




#1 Tetrachloro-m-xylene

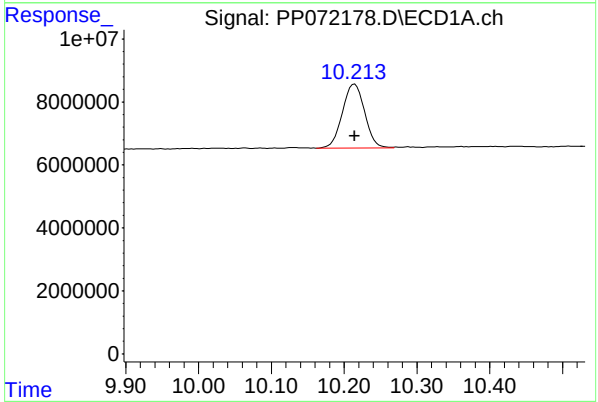
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 52867260
Conc: 26.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



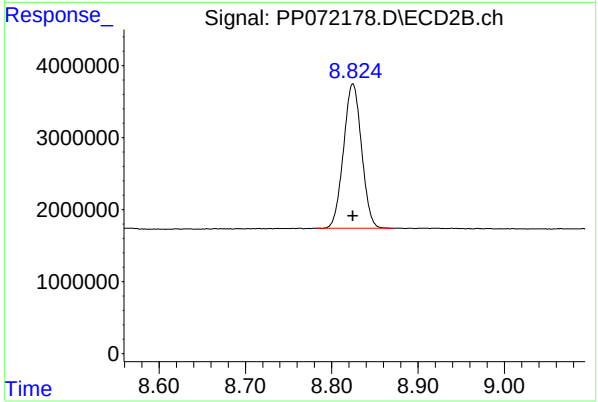
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 40596927
Conc: 25.21 ng/ml



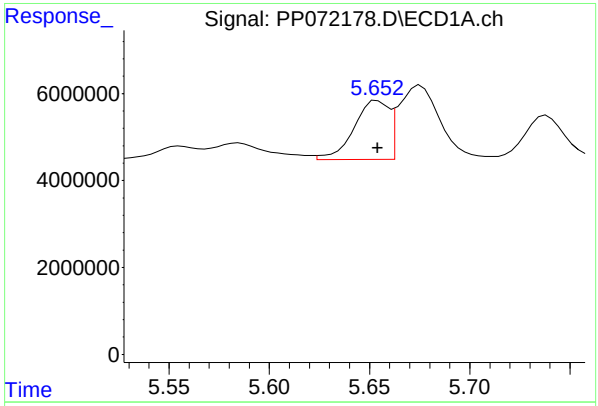
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 43224831
Conc: 26.73 ng/ml



#2 Decachlorobiphenyl

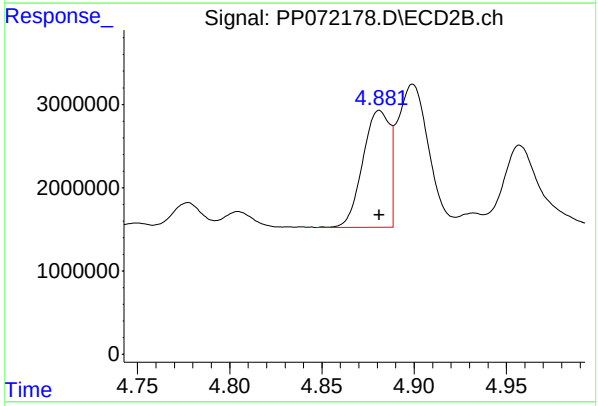
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 29078092
Conc: 27.36 ng/ml



#16 AR-1242-1

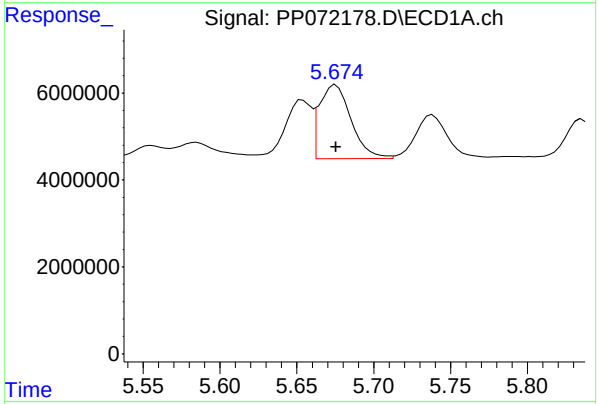
R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 16460967
Conc: 272.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



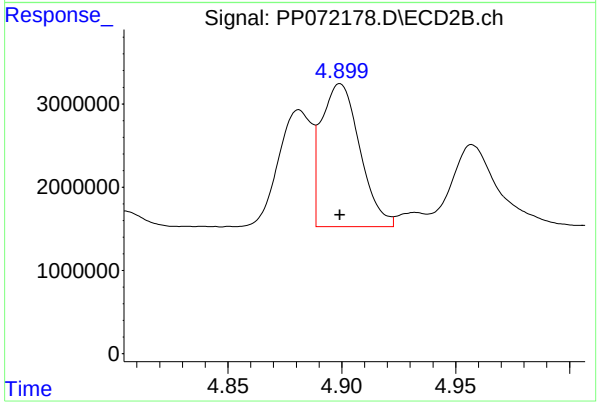
#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 14309390
Conc: 277.71 ng/ml



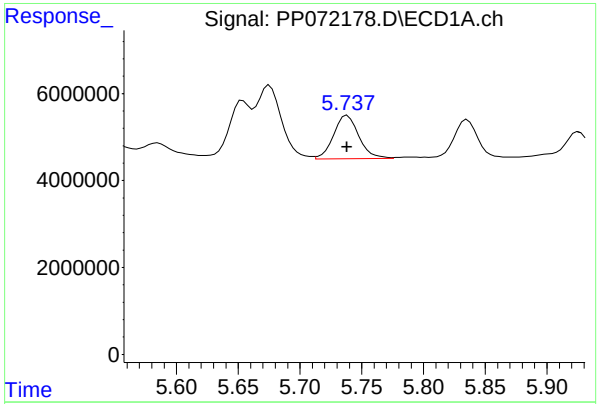
#17 AR-1242-2

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 24396194
Conc: 272.27 ng/ml



#17 AR-1242-2

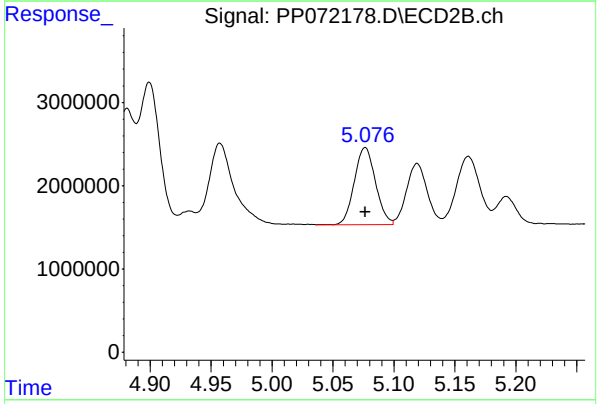
R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 20235141
Conc: 275.82 ng/ml



#18 AR-1242-3

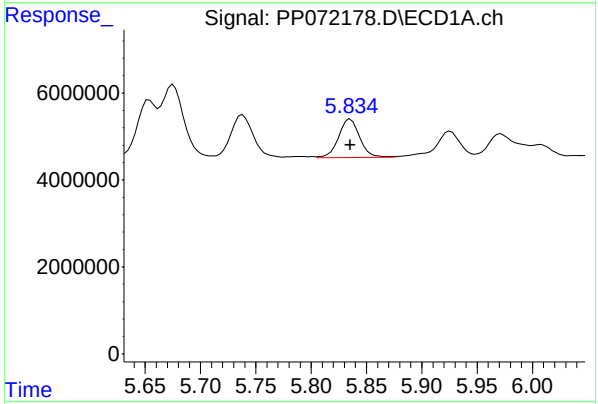
R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 14270237
Conc: 263.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



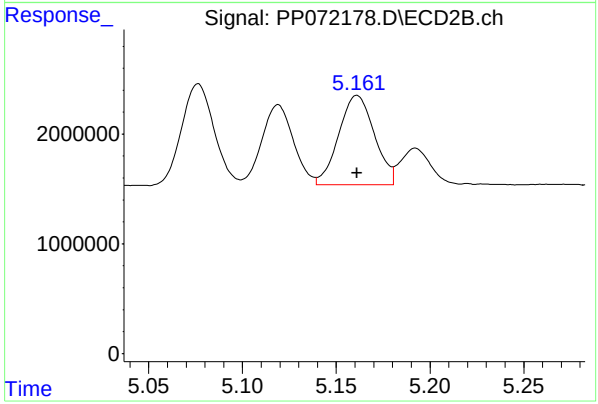
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 11178619
Conc: 281.31 ng/ml



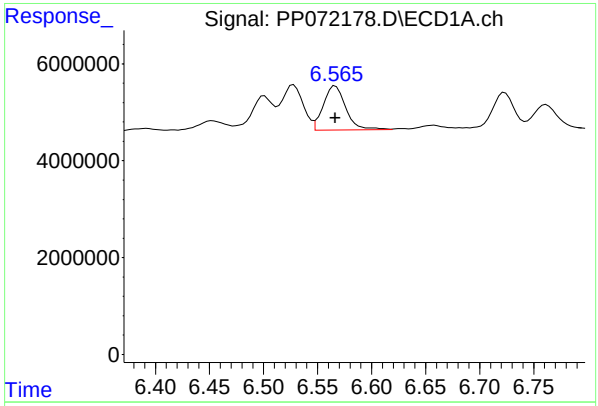
#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 11695459
Conc: 264.35 ng/ml



#19 AR-1242-4

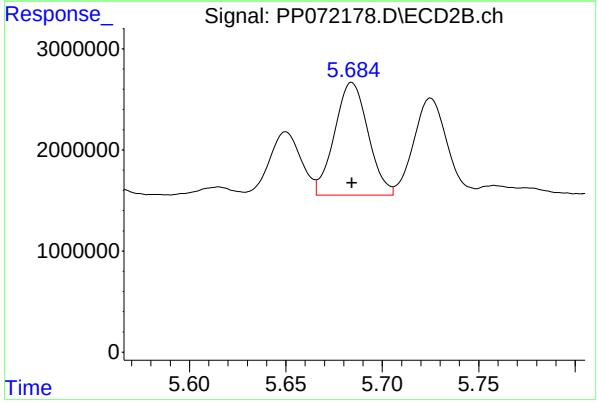
R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 10798164
Conc: 286.01 ng/ml



#20 AR-1242-5

R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 13108900
Conc: 262.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 13556747
Conc: 283.36 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	8565148	6886728	4.472	4.404
2)	SA Decachlor...	10.216	8.824	7437092	5391472	4.674	5.058
	Target Compounds						
16)	L4 AR-1242-1	5.654	4.882	3576242	2721766	56.040m	52.233
17)	L4 AR-1242-2	5.677	4.900	3774327	3701307	42.861m	50.361
18)	L4 AR-1242-3	5.740	5.076	2953563	1833864	53.891m	46.871
19)	L4 AR-1242-4	5.836	5.161	2238823	1844717	51.018m	49.084
20)	L4 AR-1242-5	6.568	5.683	2746740	2495867	53.225m	52.475m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

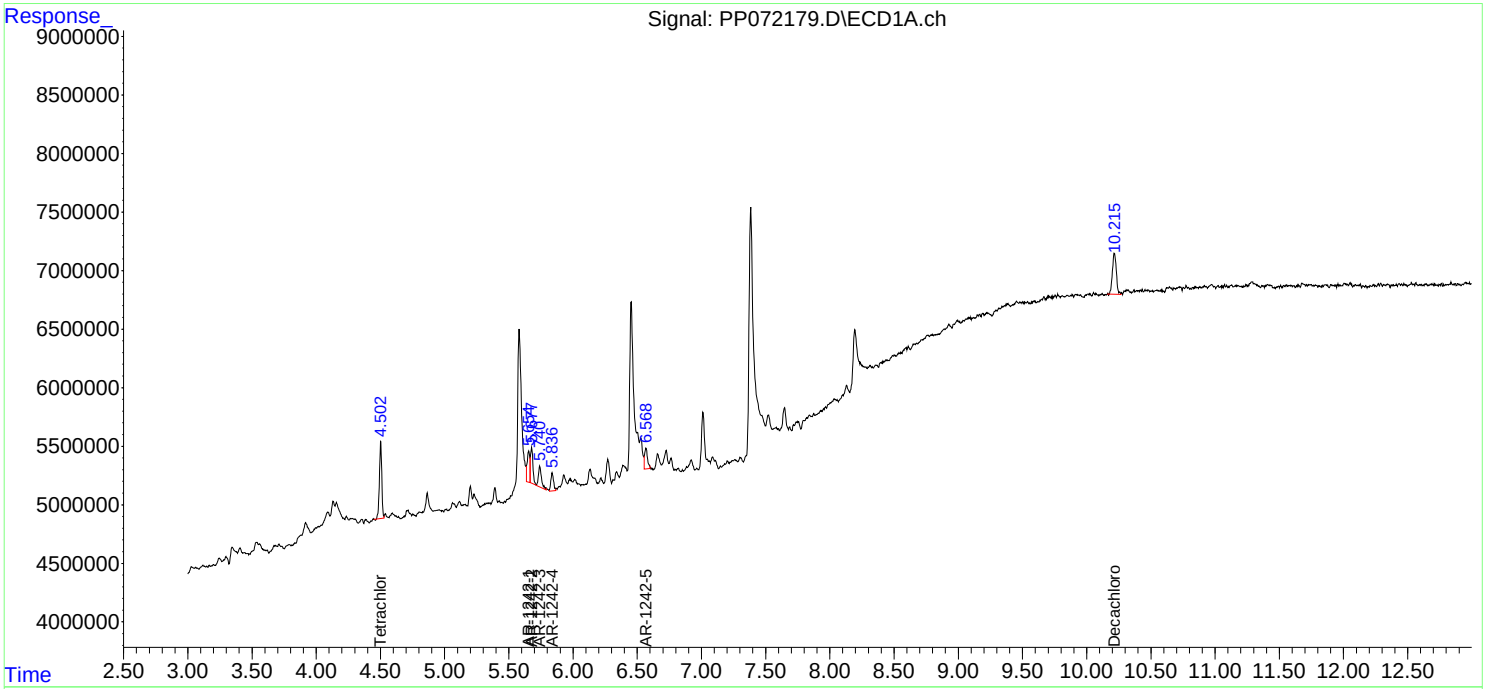
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

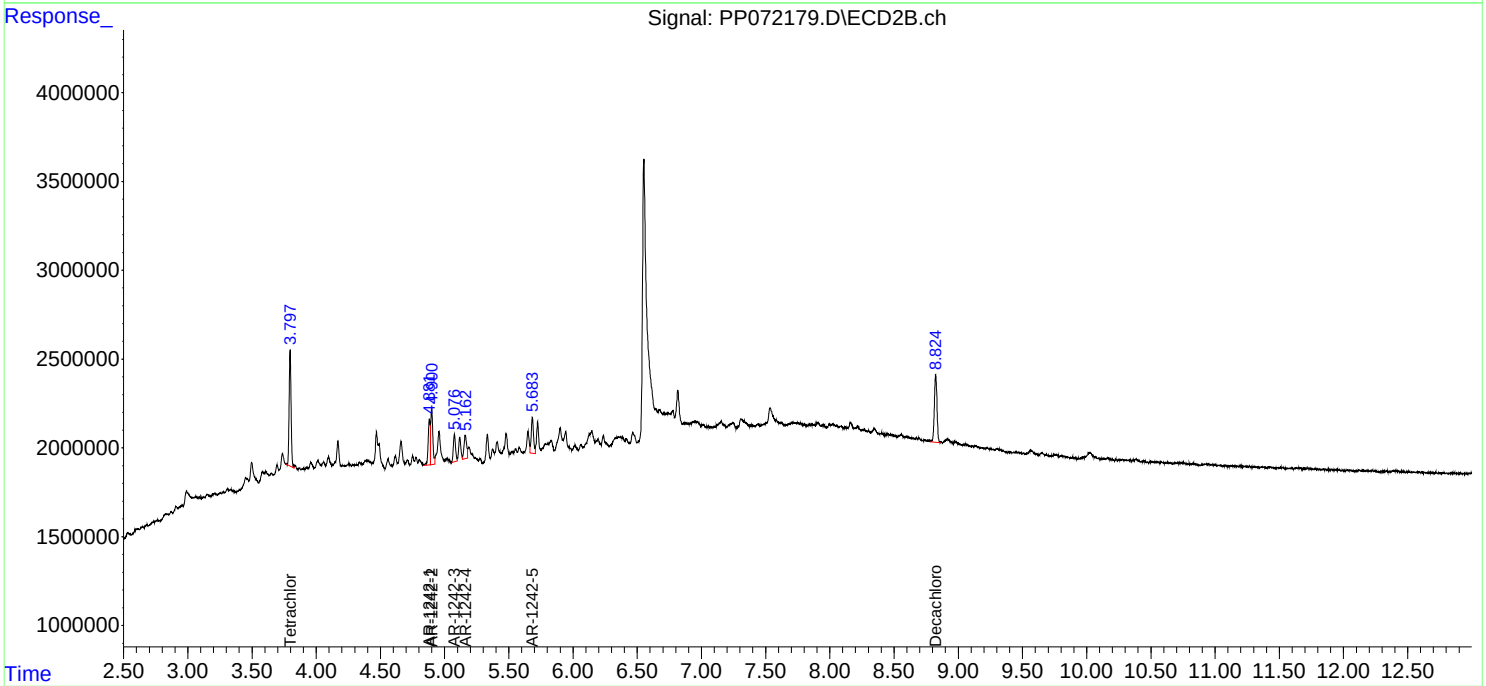
Manual Integrations APPROVED

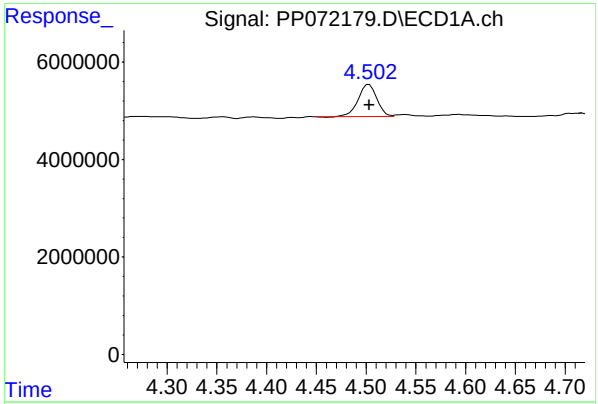
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







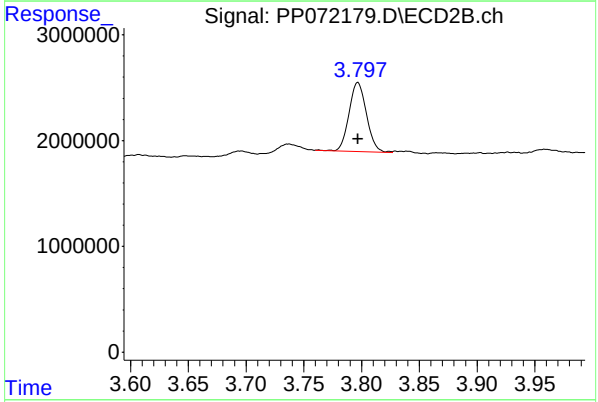
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 8565148
Conc: 4.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

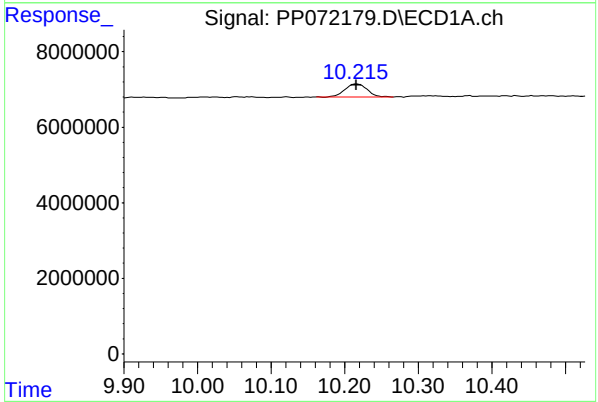
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



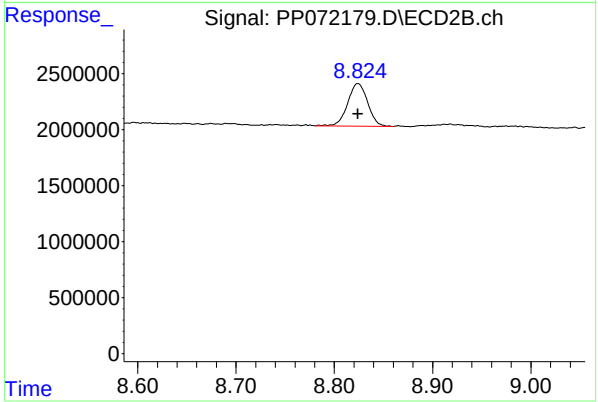
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 6886728
Conc: 4.40 ng/ml



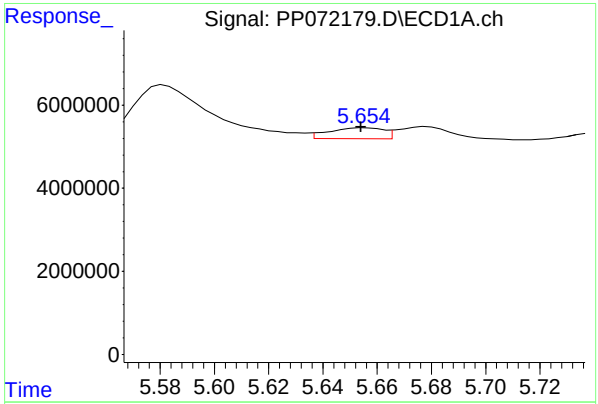
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.000 min
Response: 7437092
Conc: 4.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5391472
Conc: 5.06 ng/ml



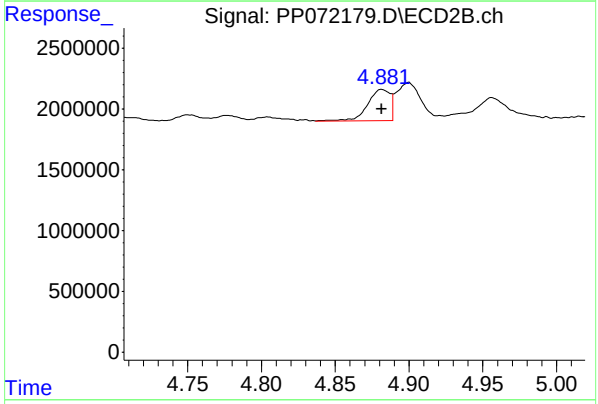
#16 AR-1242-1

R.T.: 5.654 min
Delta R.T.: 0.000 mi
Response: 3576242
Conc: 56.04 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

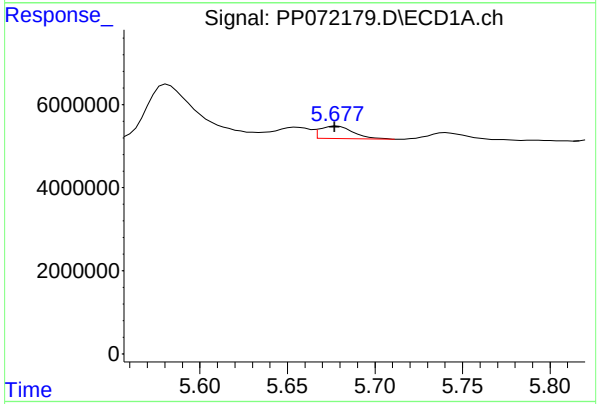
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



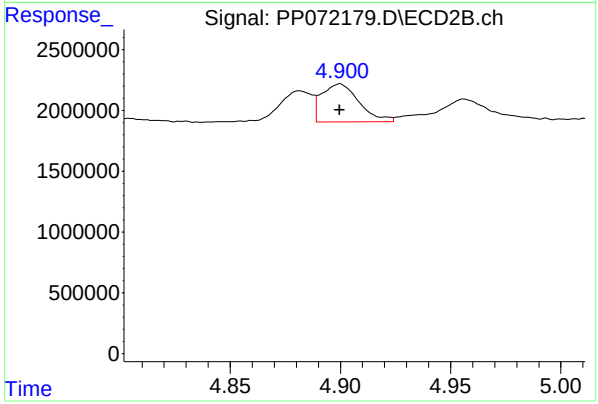
#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 2721766
Conc: 52.23 ng/ml



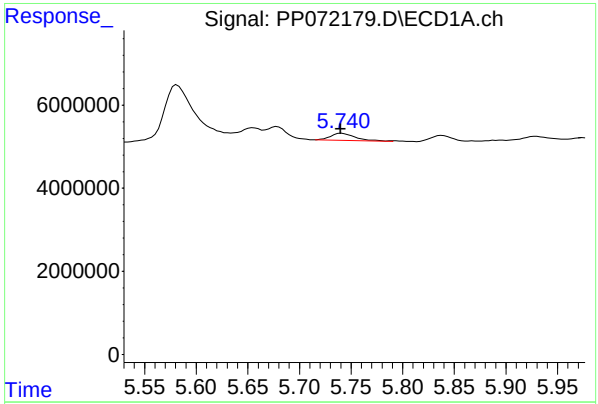
#17 AR-1242-2

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 3774327
Conc: 42.86 ng/ml m



#17 AR-1242-2

R.T.: 4.900 min
Delta R.T.: 0.000 min
Response: 3701307
Conc: 50.36 ng/ml



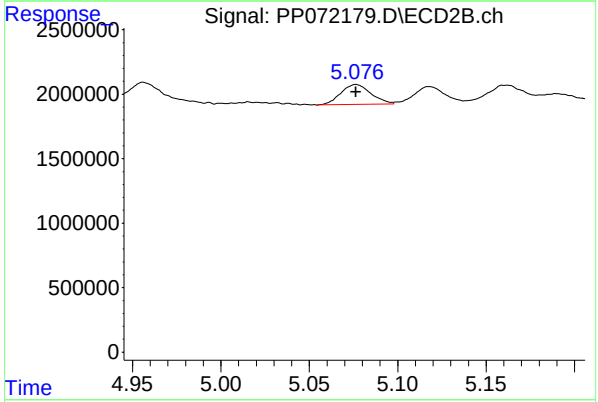
#18 AR-1242-3

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 2953563
Conc: 53.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

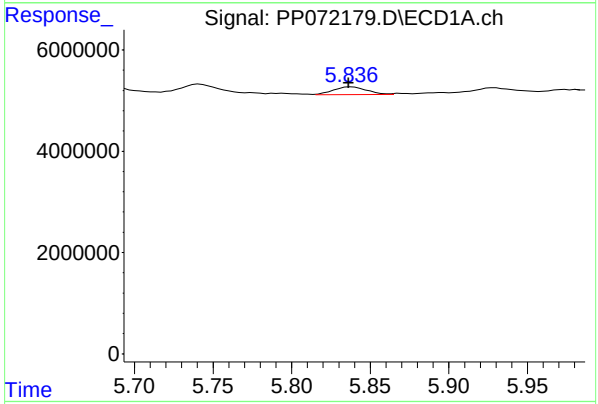
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



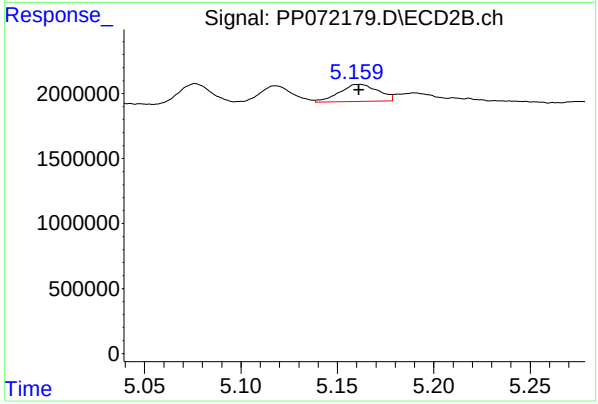
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 1833864
Conc: 46.87 ng/ml



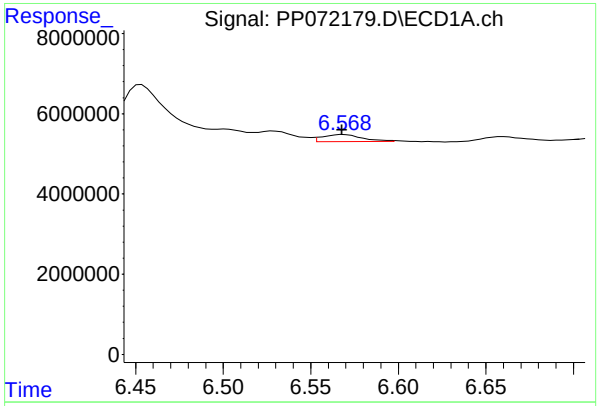
#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 2238823
Conc: 51.02 ng/ml m



#19 AR-1242-4

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1844717
Conc: 49.08 ng/ml



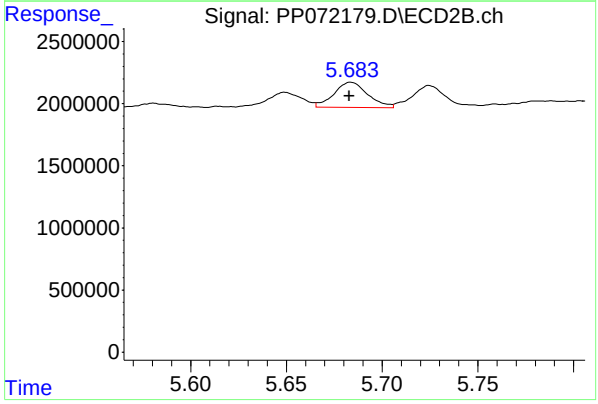
#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 mi
Response: 2746740
Conc: 53.22 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#20 AR-1242-5

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 2495867
Conc: 52.48 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:04
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.506	3.798	188.0E6	158.5E6	97.146	96.913
2)	SA Decachlor...	10.219	8.825	157.3E6	107.8E6	97.225	97.659
	Target Compounds						
21)	L5 AR-1248-1	5.659	4.881	44038397	38942472	957.866	950.706
22)	L5 AR-1248-2	5.931	5.118	56984732	50685144	964.616	951.833
23)	L5 AR-1248-3	6.134	5.161	64677132	53612101	969.345	958.095
24)	L5 AR-1248-4	6.533	5.333	81606824	63542852	959.973	960.283
25)	L5 AR-1248-5	6.572	5.725	77587697	63751699	965.027	958.723

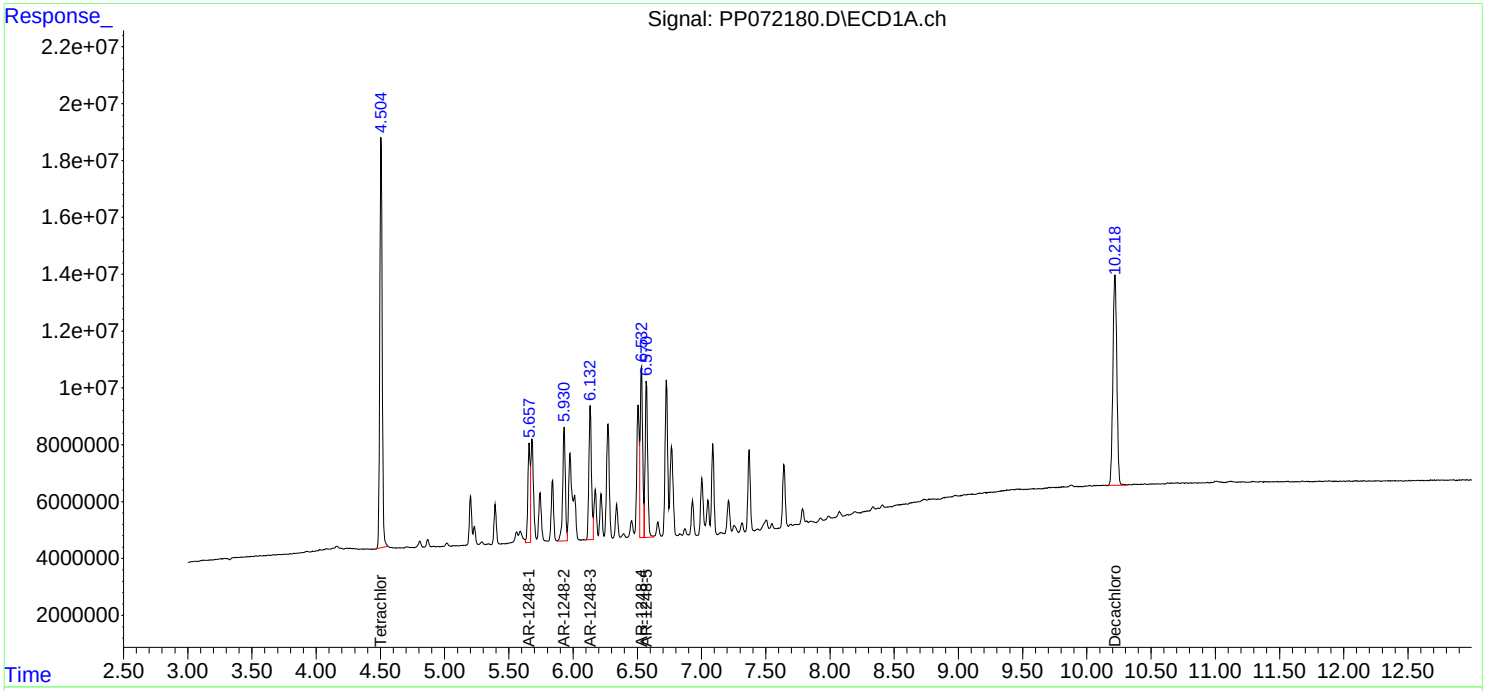
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

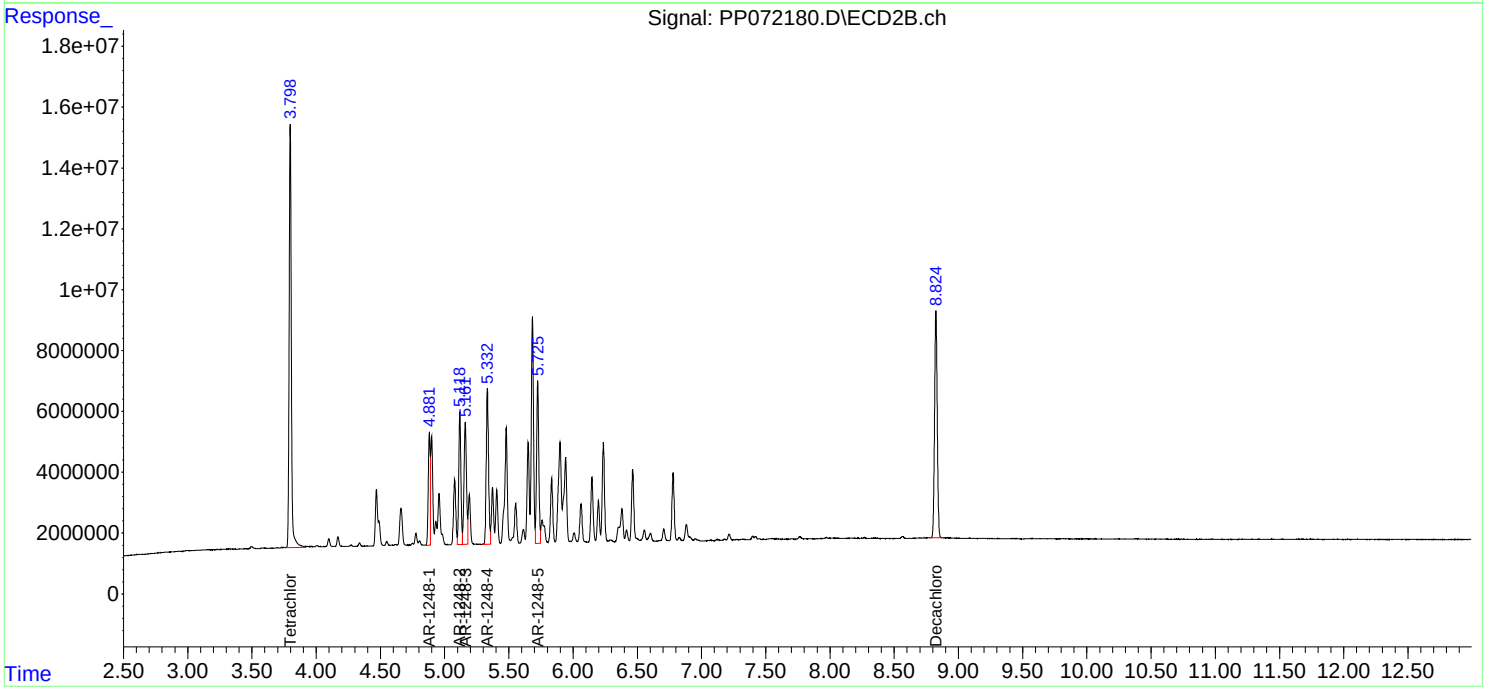
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:04
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

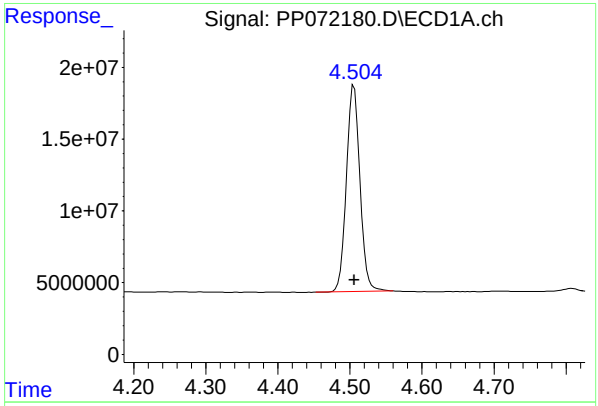
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



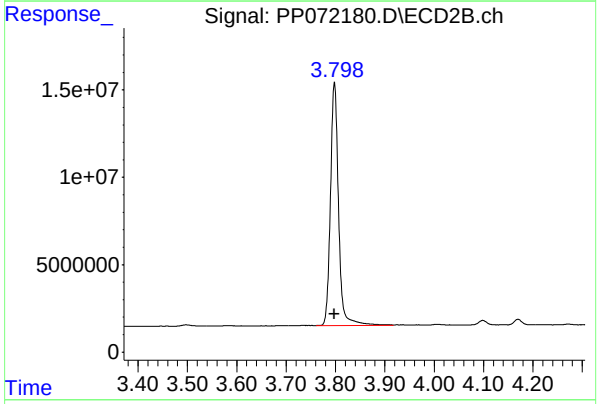




#1 Tetrachloro-m-xylene

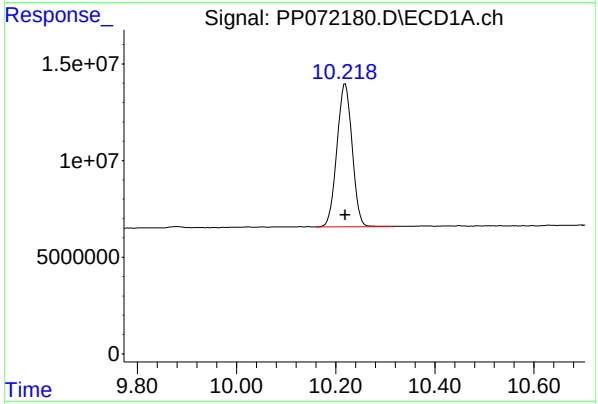
R.T.: 4.506 min
Delta R.T.: 0.000 min
Response: 188024037
Conc: 97.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



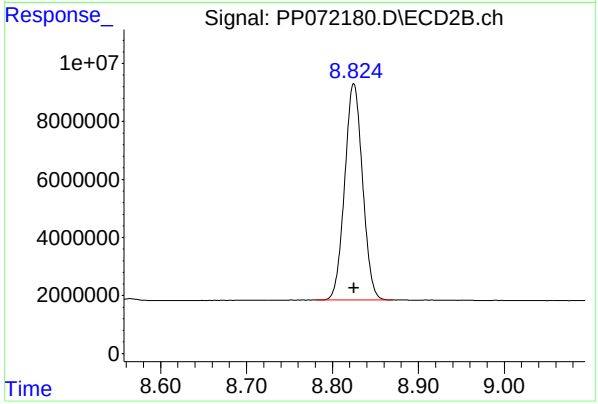
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 158537029
Conc: 96.91 ng/ml



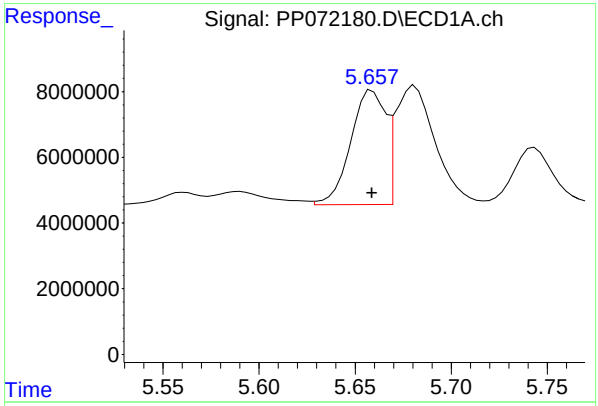
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 157336830
Conc: 97.22 ng/ml



#2 Decachlorobiphenyl

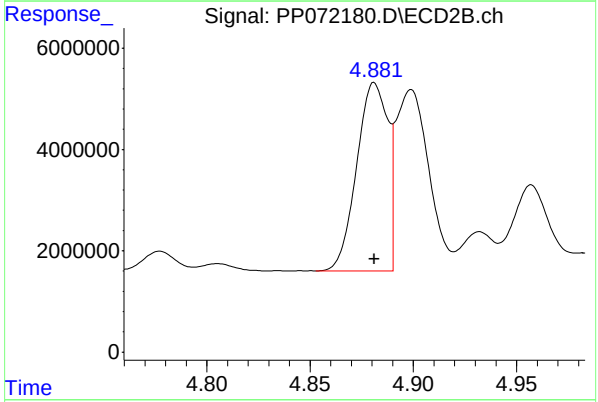
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 107793046
Conc: 97.66 ng/ml



#21 AR-1248-1

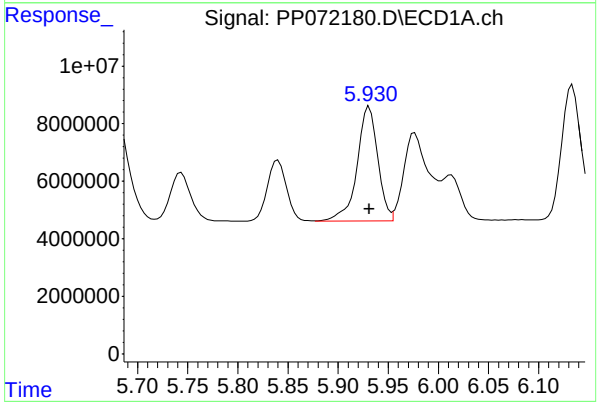
R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 44038397
Conc: 957.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



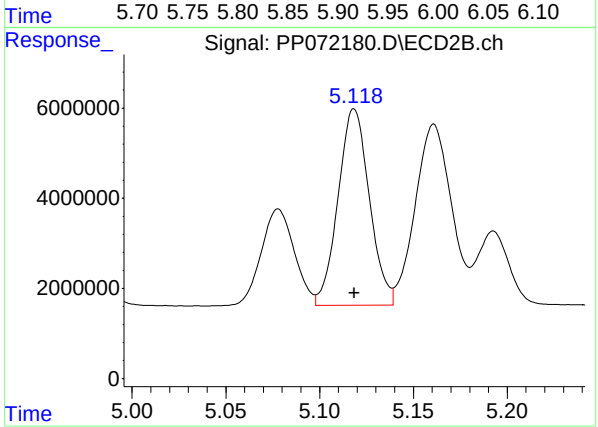
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 38942472
Conc: 950.71 ng/ml



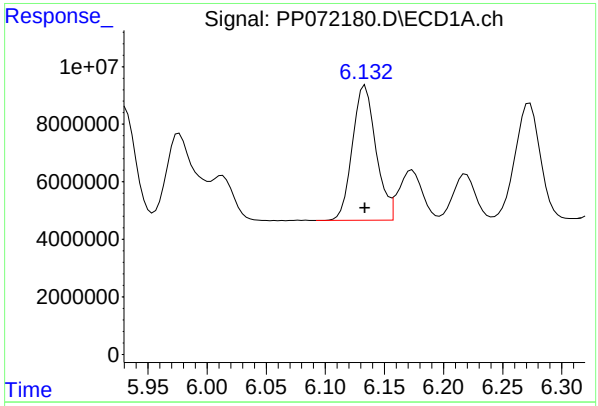
#22 AR-1248-2

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 56984732
Conc: 964.62 ng/ml



#22 AR-1248-2

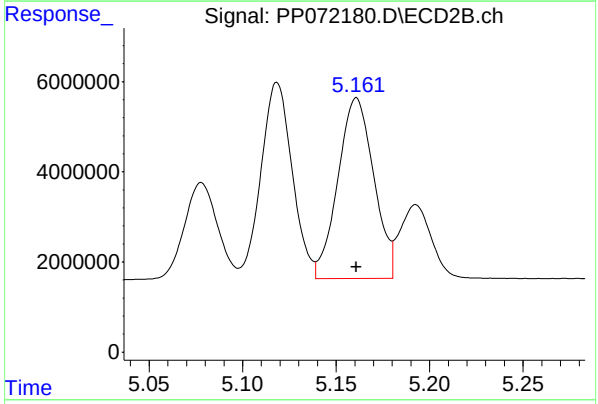
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 50685144
Conc: 951.83 ng/ml



#23 AR-1248-3

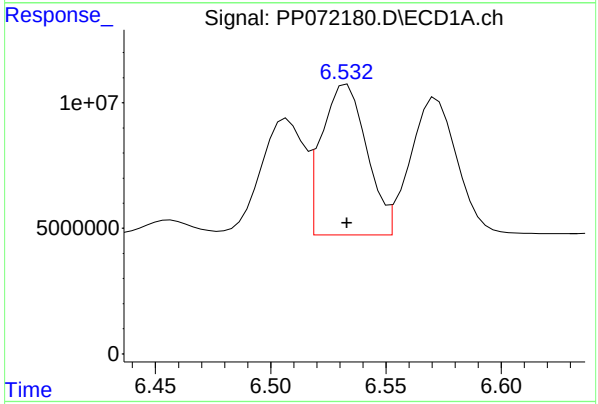
R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 64677132
Conc: 969.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



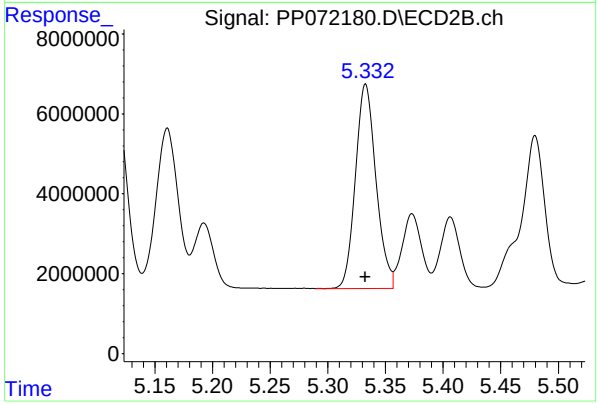
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 53612101
Conc: 958.09 ng/ml



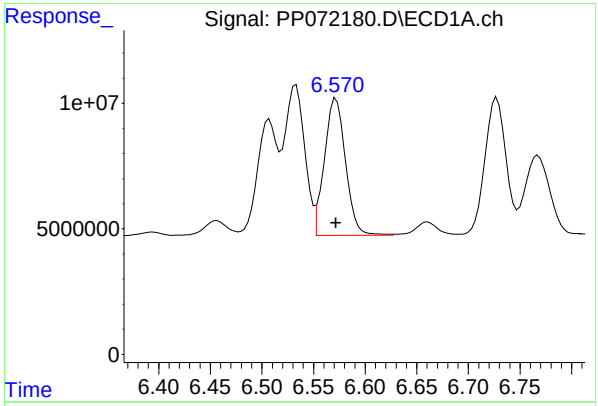
#24 AR-1248-4

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 81606824
Conc: 959.97 ng/ml



#24 AR-1248-4

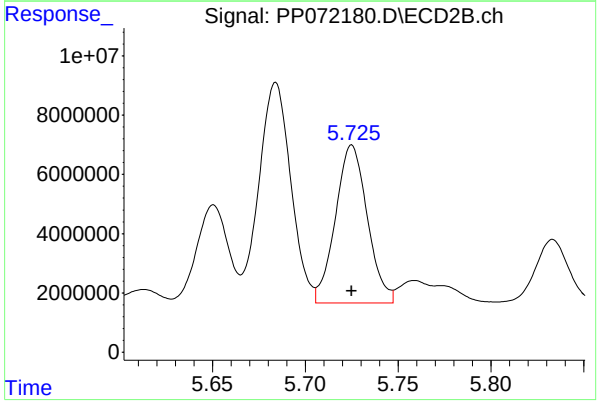
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 63542852
Conc: 960.28 ng/ml



#25 AR-1248-5

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 77587697
Conc: 965.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 63751699
Conc: 958.72 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:20
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.799	143.2E6	115.8E6	74.323	72.143
2)	SA Decachlor...	10.214	8.826	119.9E6	80014834	74.410	73.309
	Target Compounds						
21)	L5 AR-1248-1	5.655	4.882	35604324	28560624	766.105	713.991
22)	L5 AR-1248-2	5.927	5.119	44550644	37039968	752.752	712.825
23)	L5 AR-1248-3	6.130	5.161	49360311	38952854	743.159	713.200
24)	L5 AR-1248-4	6.529	5.333	63978321	45811338	751.733	710.534
25)	L5 AR-1248-5	6.568	5.726	60752796	46780519	753.748	718.348

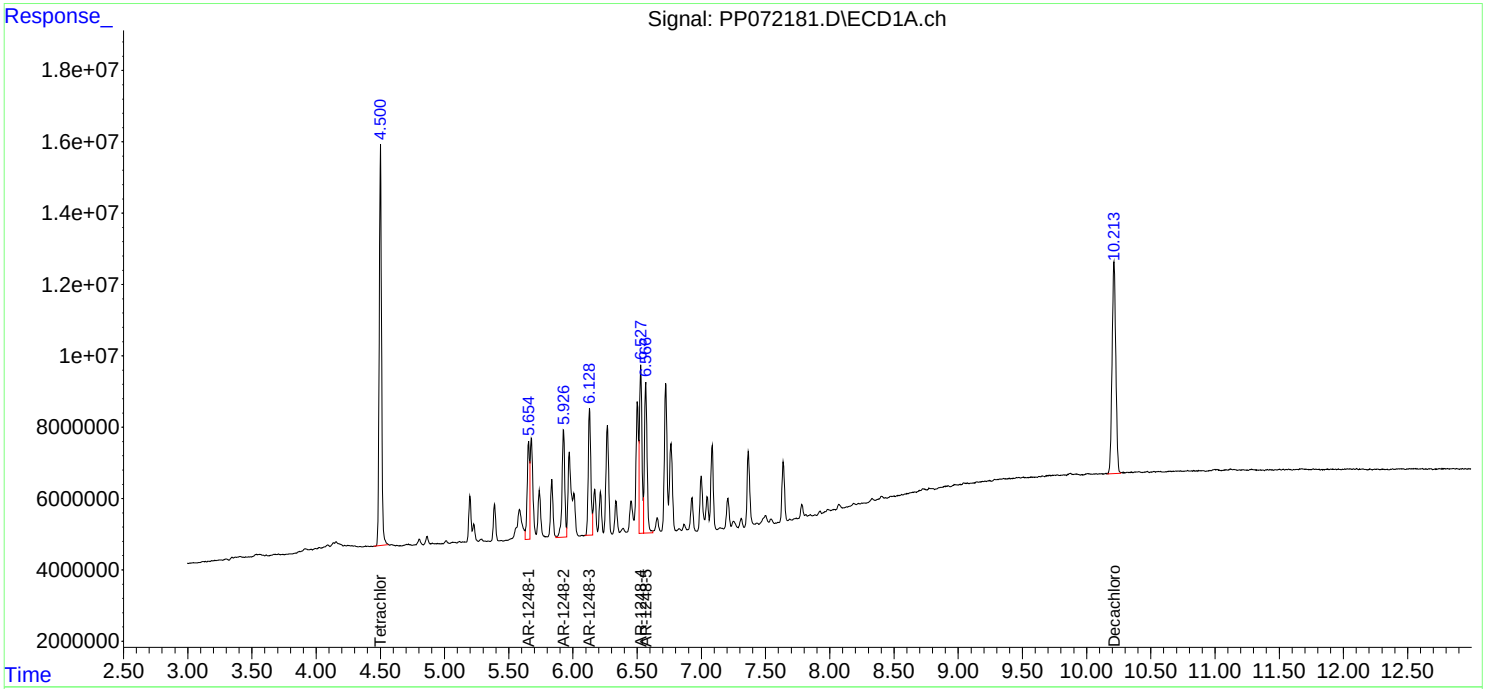
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

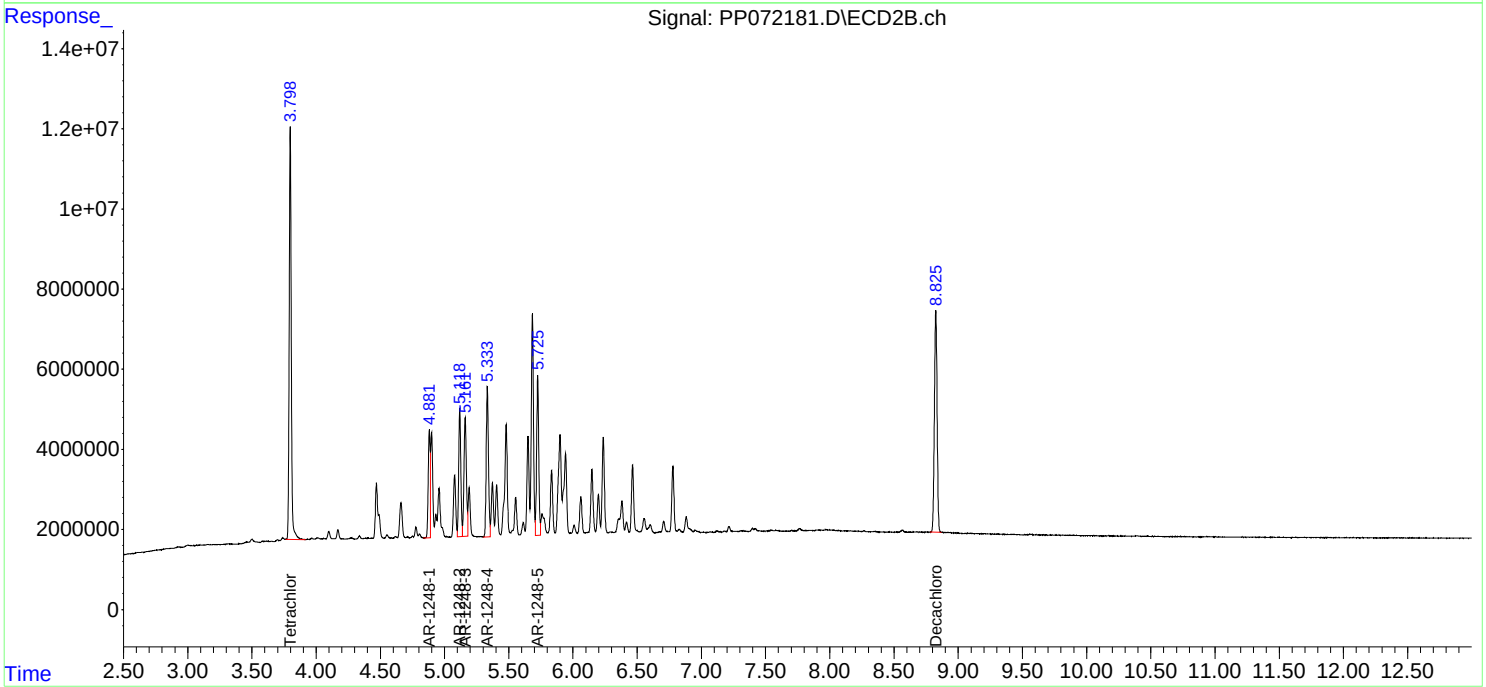
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:20
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

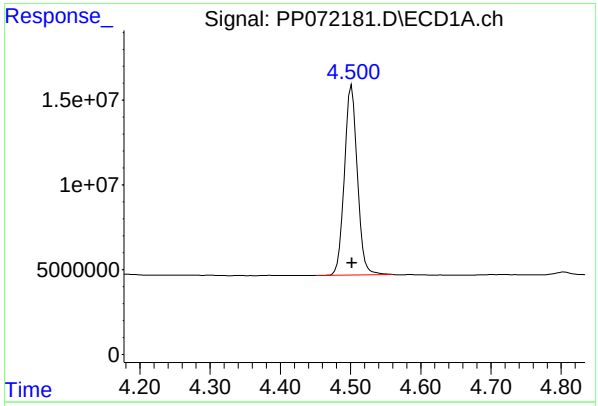
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



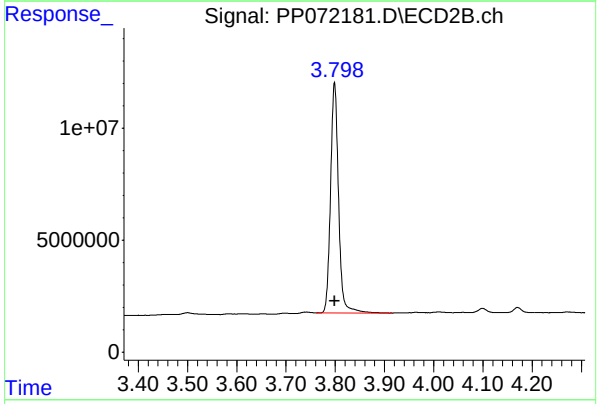




#1 Tetrachloro-m-xylene

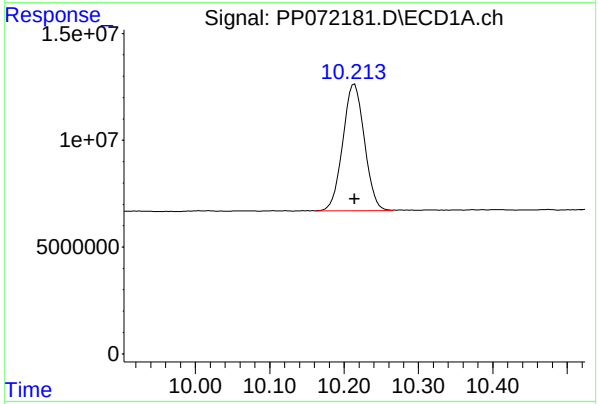
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 143203772
Conc: 74.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



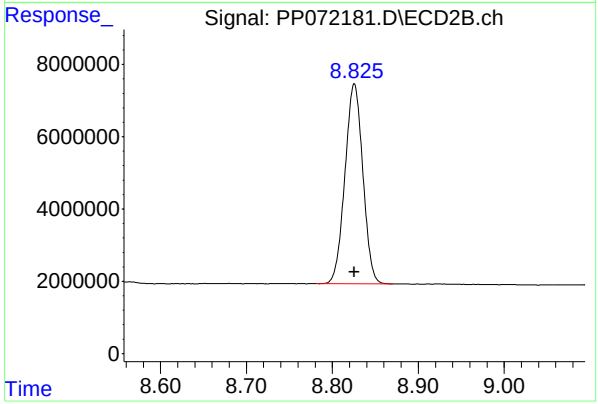
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 115811234
Conc: 72.14 ng/ml



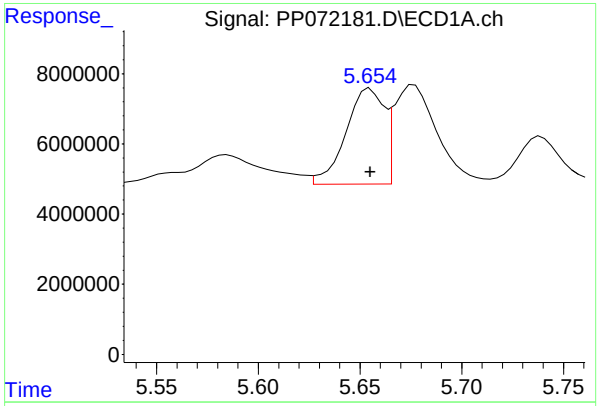
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 119945202
Conc: 74.41 ng/ml



#2 Decachlorobiphenyl

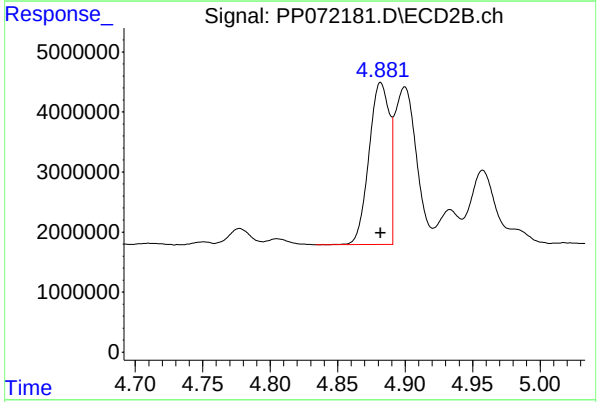
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 80014834
Conc: 73.31 ng/ml



#21 AR-1248-1

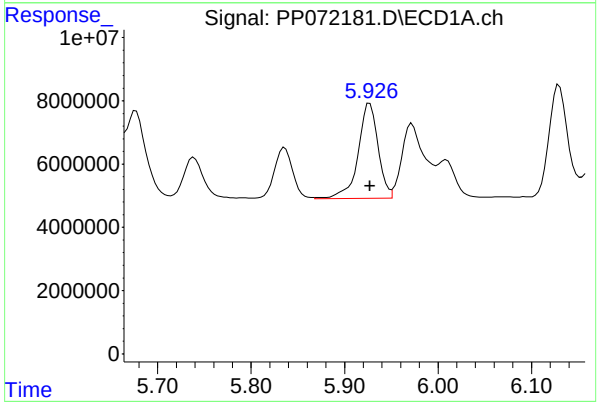
R.T.: 5.655 min
Delta R.T.: 0.000 min
Response: 35604324
Conc: 766.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



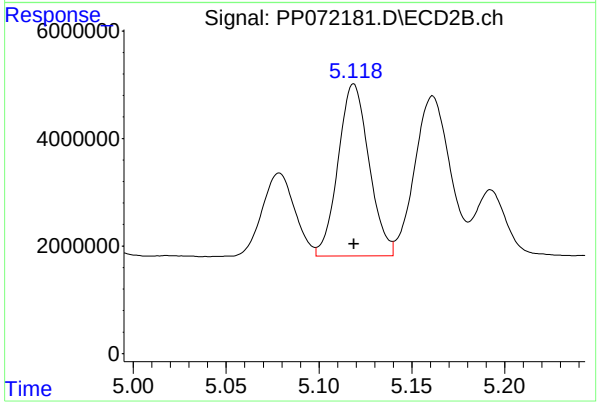
#21 AR-1248-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 28560624
Conc: 713.99 ng/ml



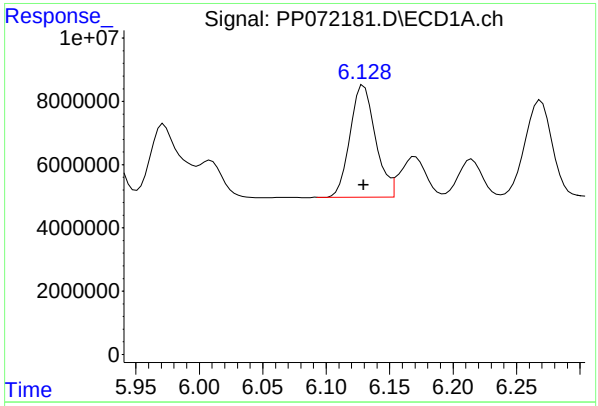
#22 AR-1248-2

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 44550644
Conc: 752.75 ng/ml



#22 AR-1248-2

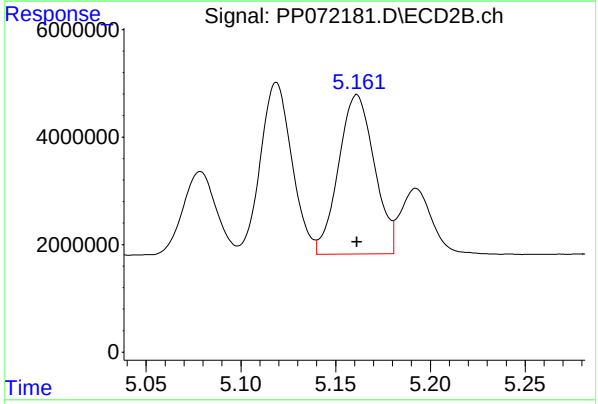
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 37039968
Conc: 712.82 ng/ml



#23 AR-1248-3

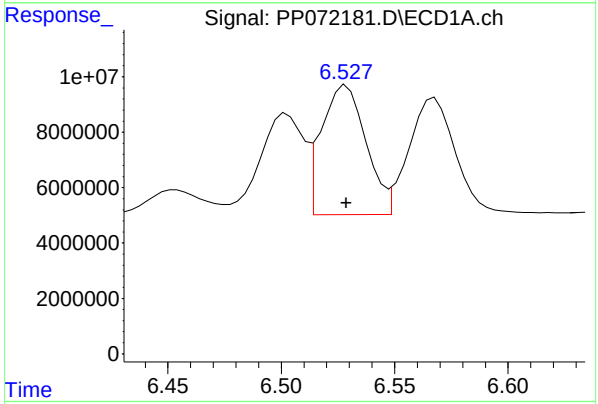
R.T.: 6.130 min
Delta R.T.: 0.000 min
Response: 49360311
Conc: 743.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



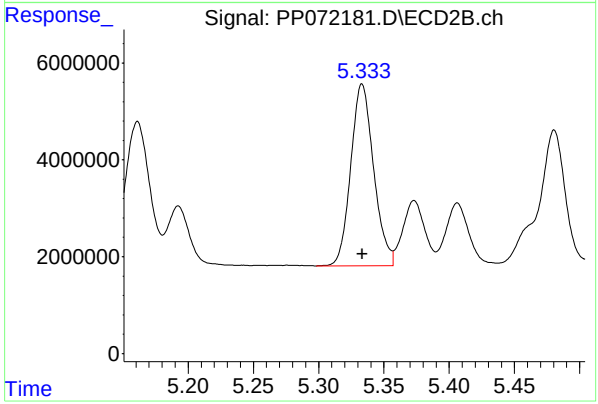
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 38952854
Conc: 713.20 ng/ml



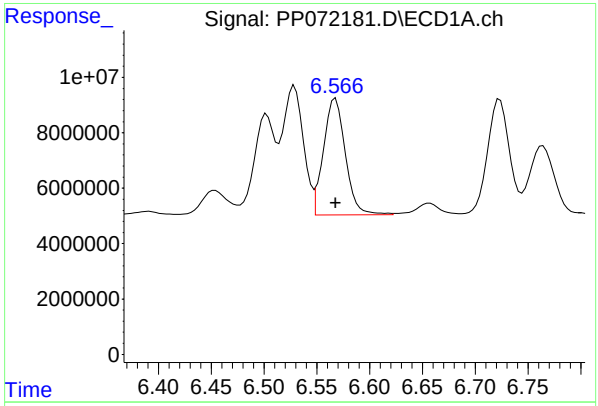
#24 AR-1248-4

R.T.: 6.529 min
Delta R.T.: 0.000 min
Response: 63978321
Conc: 751.73 ng/ml



#24 AR-1248-4

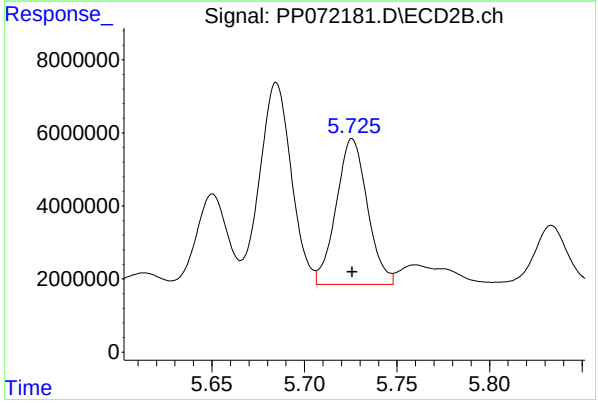
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 45811338
Conc: 710.53 ng/ml



#25 AR-1248-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 60752796
Conc: 753.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 46780519
Conc: 718.35 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:37
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:56:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.798	99535493	84317976	50.000	50.000
2)	SA Decachlor...	10.215	8.825	83159844	56480842	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.656	4.881	23956323	21490405	500.000	500.000
22)	L5 AR-1248-2	5.928	5.119	30582698	27907479	500.000	500.000
23)	L5 AR-1248-3	6.131	5.161	34383966	29150937	500.000	500.000
24)	L5 AR-1248-4	6.530	5.333	44206090	34399526	500.000	500.000
25)	L5 AR-1248-5	6.569	5.726	41605620	34620634	500.000	500.000

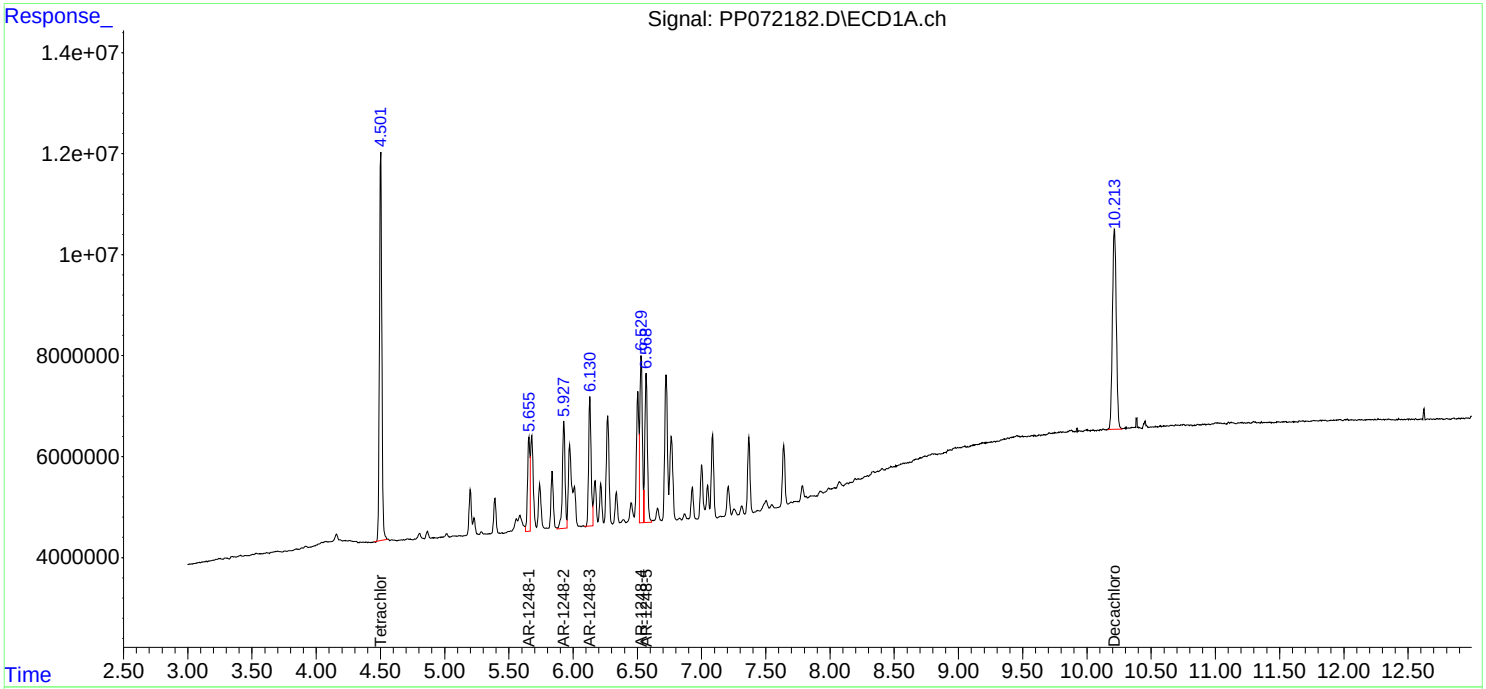
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

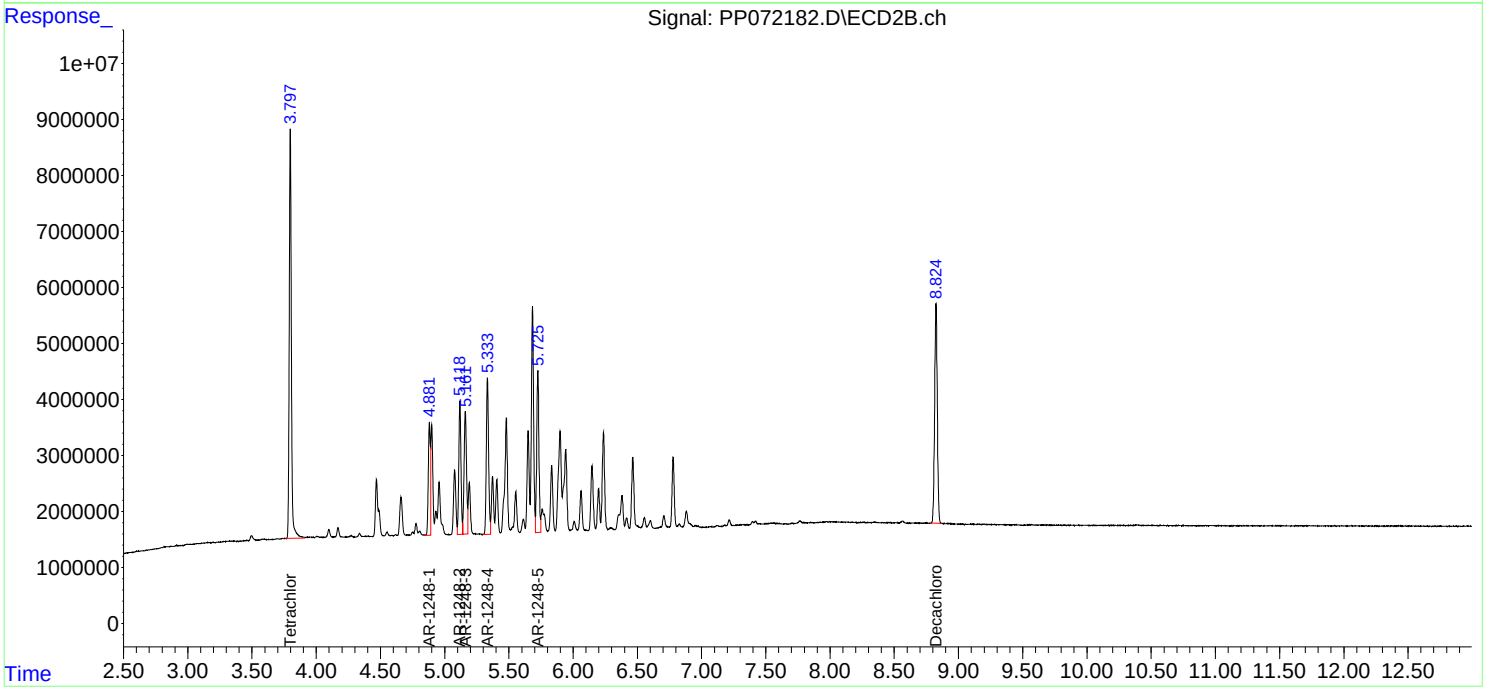
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:37
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

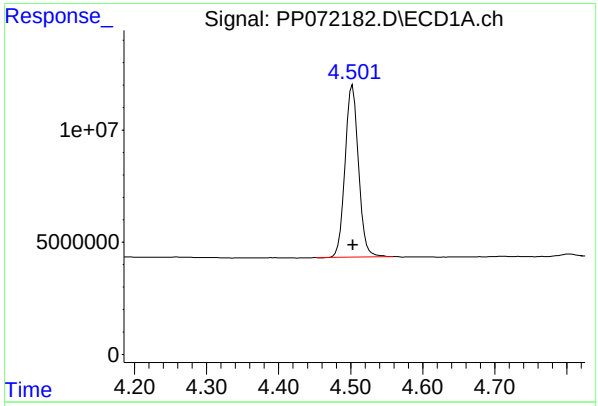
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:56:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



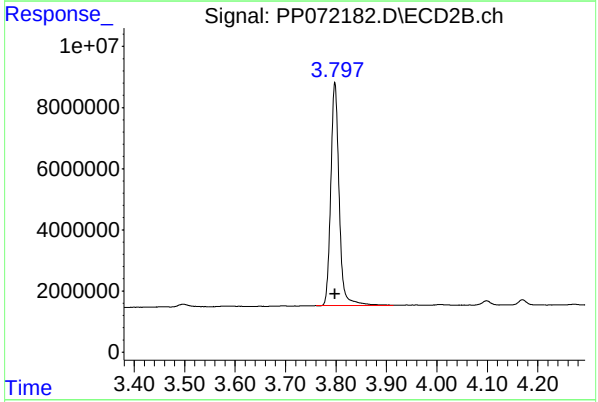




#1 Tetrachloro-m-xylene

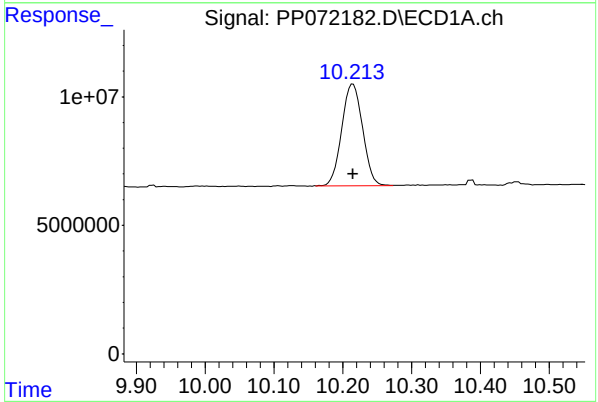
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 99535493
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



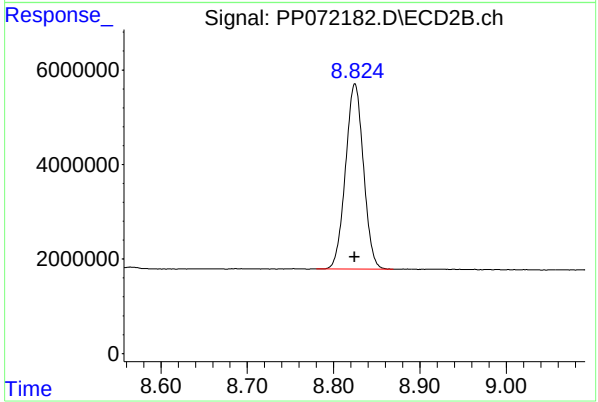
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 84317976
Conc: 50.00 ng/ml



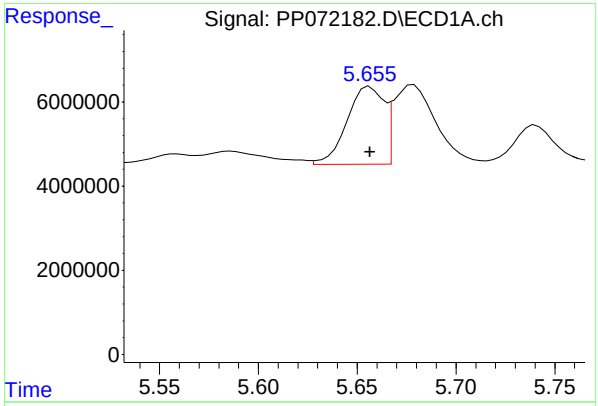
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 83159844
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

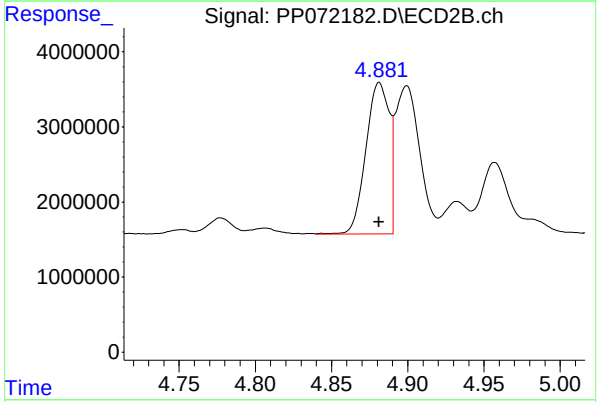
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 56480842
Conc: 50.00 ng/ml



#21 AR-1248-1

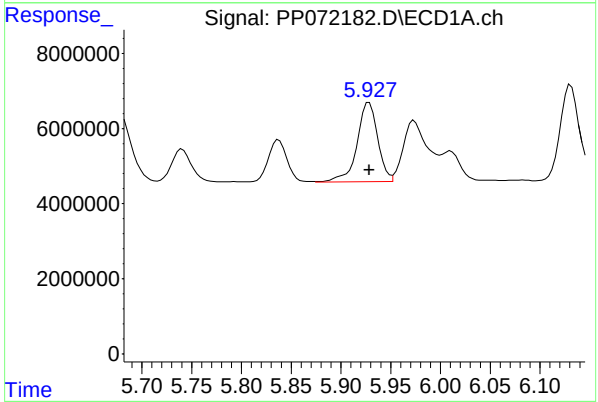
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 23956323
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



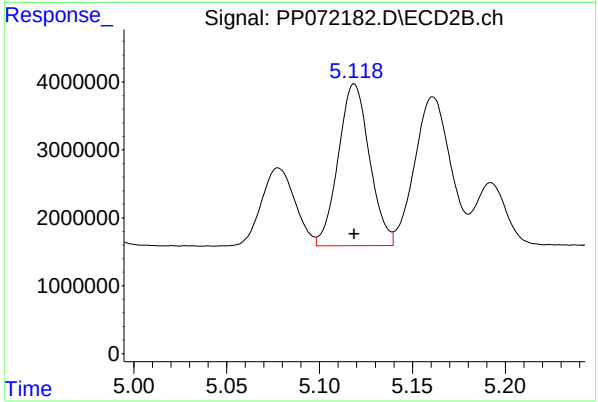
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 21490405
Conc: 500.00 ng/ml



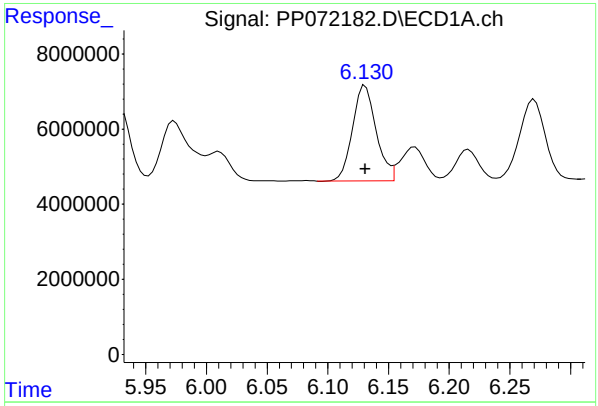
#22 AR-1248-2

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 30582698
Conc: 500.00 ng/ml



#22 AR-1248-2

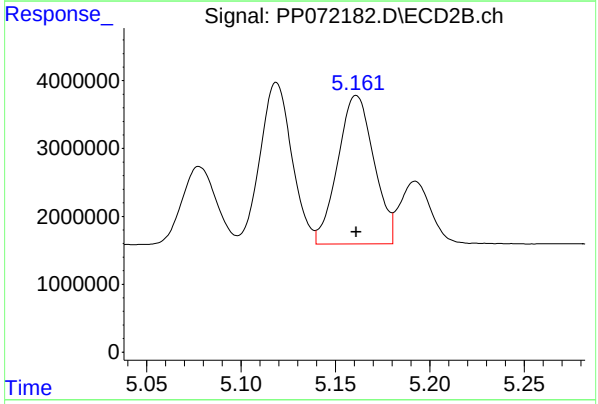
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 27907479
Conc: 500.00 ng/ml



#23 AR-1248-3

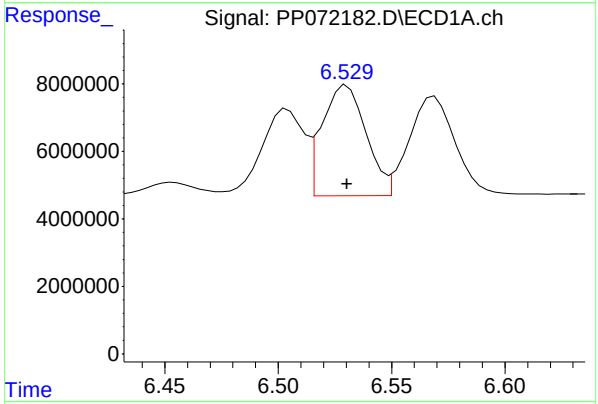
R.T.: 6.131 min
Delta R.T.: 0.000 min
Response: 34383966
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



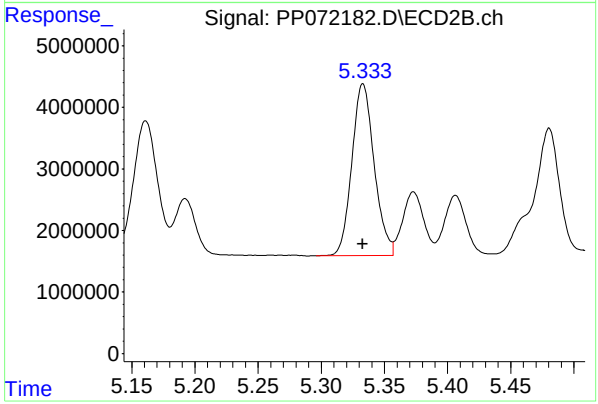
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 29150937
Conc: 500.00 ng/ml



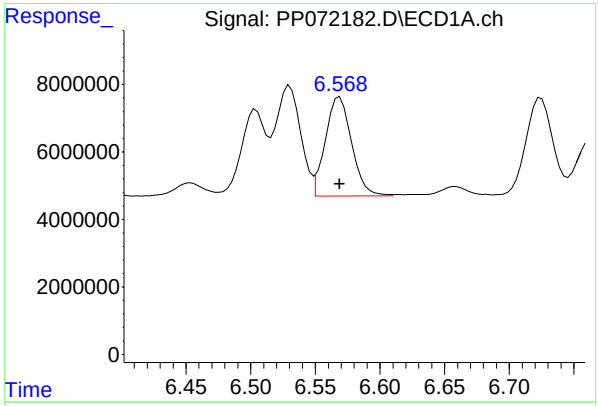
#24 AR-1248-4

R.T.: 6.530 min
Delta R.T.: 0.000 min
Response: 44206090
Conc: 500.00 ng/ml



#24 AR-1248-4

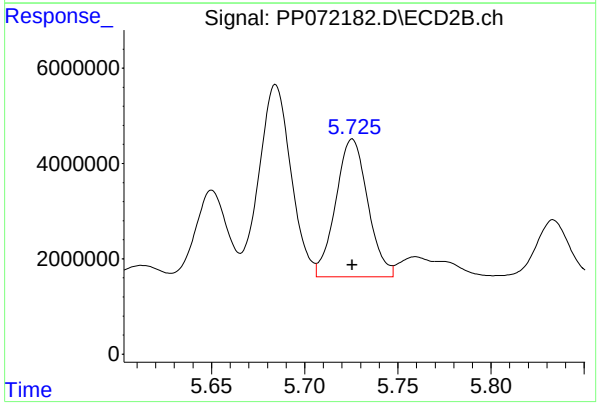
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 34399526
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 41605620
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 34620634
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:53
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.504	3.798	52810864	45199511	26.764	27.295
2)	SA Decachlor...	10.217	8.825	42874232	30462979	26.180	27.121
	Target Compounds						
21)	L5 AR-1248-1	5.657	4.882	12861341	11684235	269.533	280.297
22)	L5 AR-1248-2	5.929	5.119	15869170	15269791	263.358	281.515
23)	L5 AR-1248-3	6.132	5.161	17659503	16001810	261.722	280.908
24)	L5 AR-1248-4	6.531	5.333	23049150	18905273	265.299	281.073
25)	L5 AR-1248-5	6.570	5.726	21712961	18625278	264.265	276.065

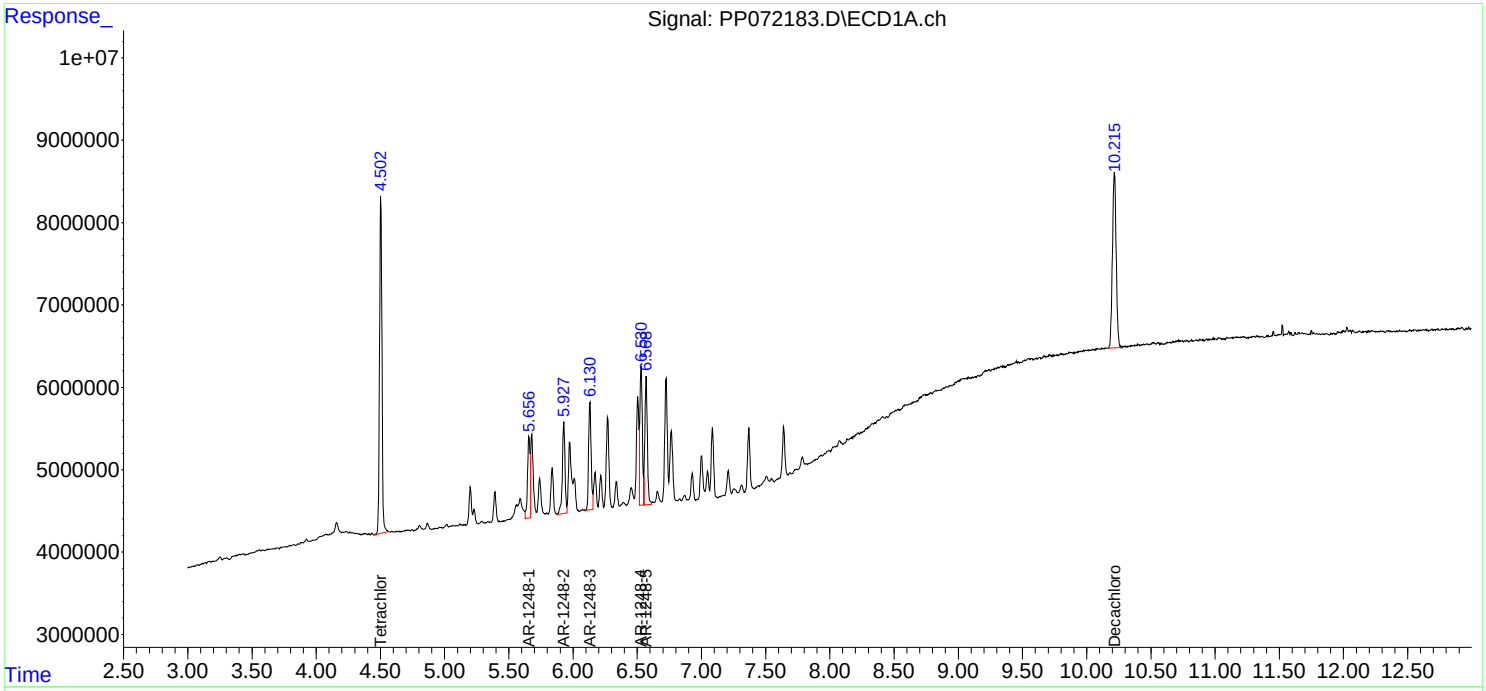
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

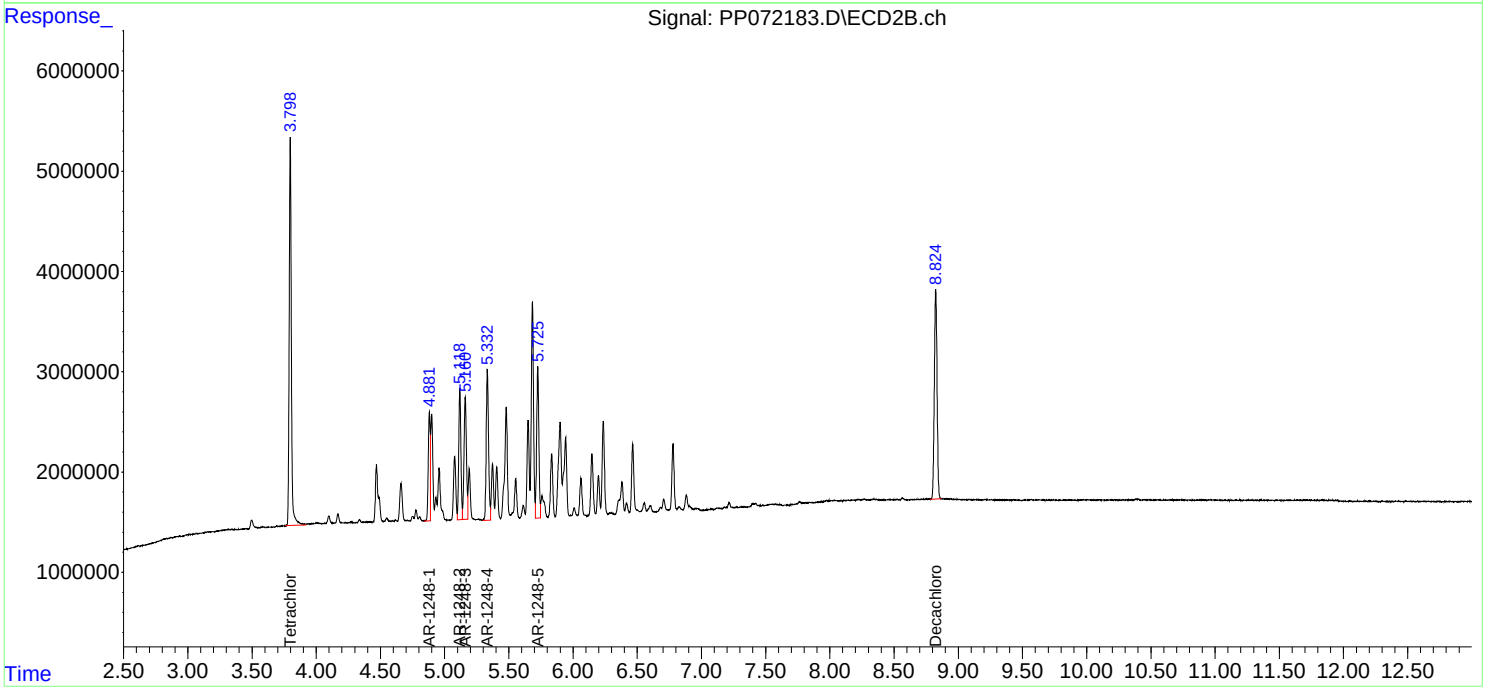
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:53
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

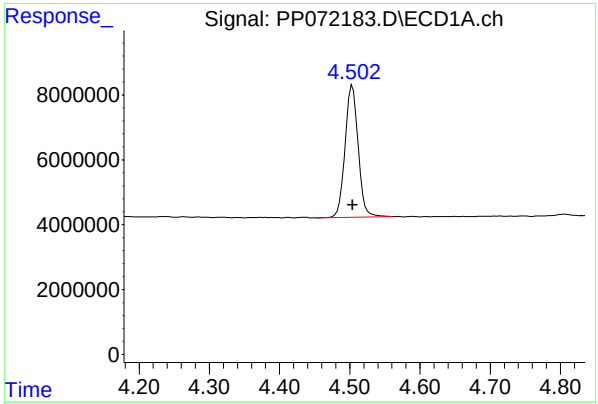
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



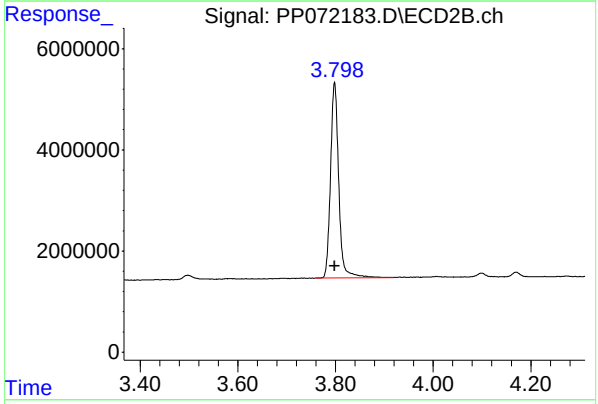




#1 Tetrachloro-m-xylene

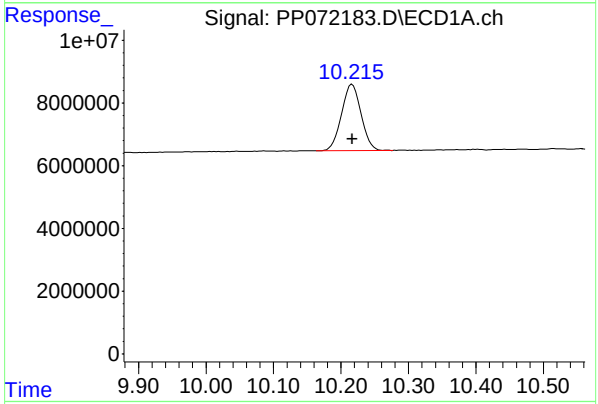
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 52810864
Conc: 26.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



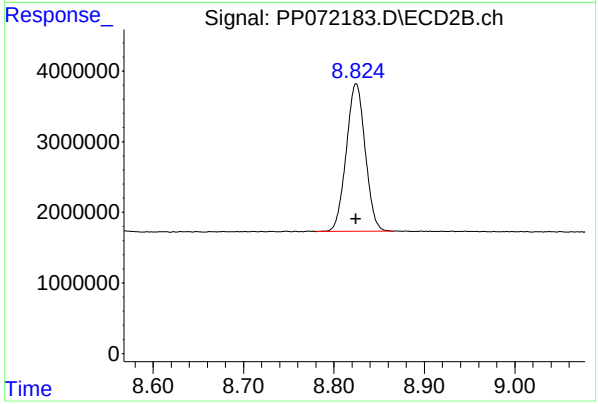
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 45199511
Conc: 27.29 ng/ml



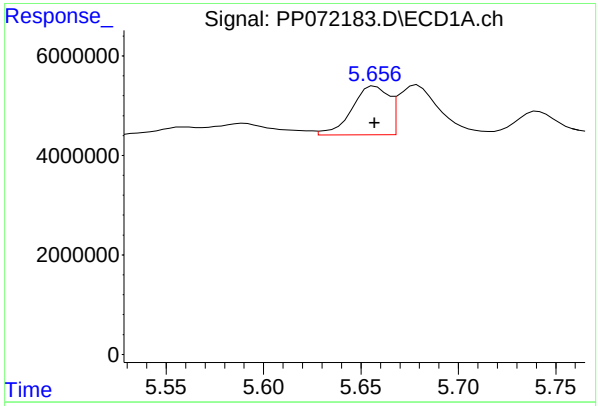
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 42874232
Conc: 26.18 ng/ml



#2 Decachlorobiphenyl

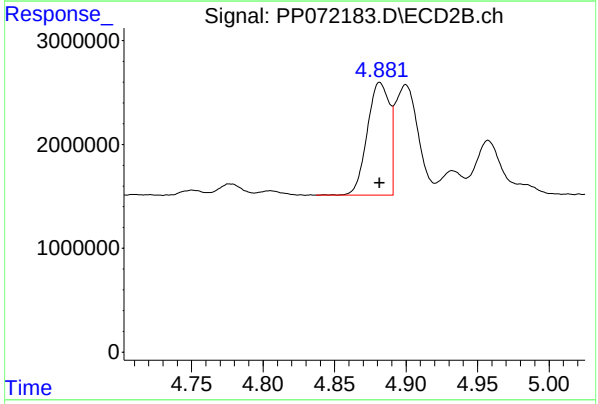
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 30462979
Conc: 27.12 ng/ml



#21 AR-1248-1

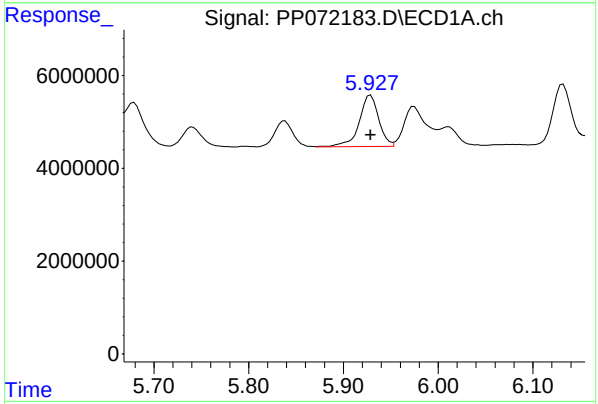
R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 12861341
Conc: 269.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



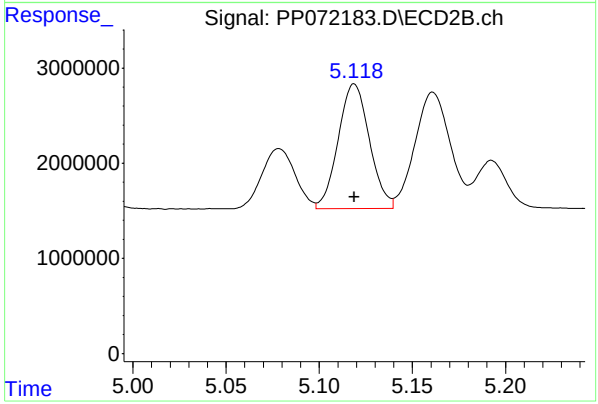
#21 AR-1248-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 11684235
Conc: 280.30 ng/ml



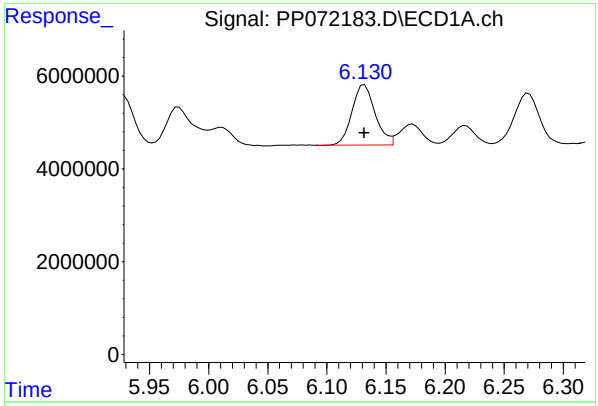
#22 AR-1248-2

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 15869170
Conc: 263.36 ng/ml



#22 AR-1248-2

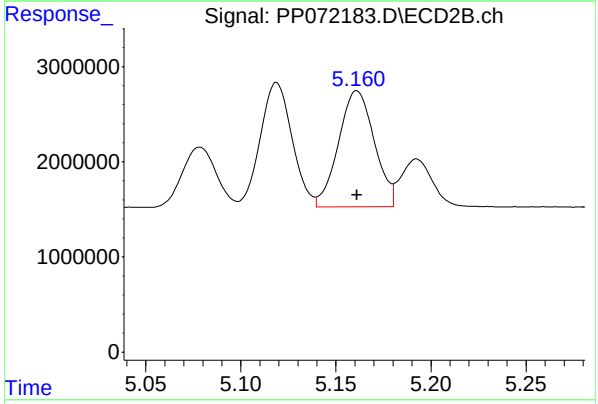
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 15269791
Conc: 281.52 ng/ml



#23 AR-1248-3

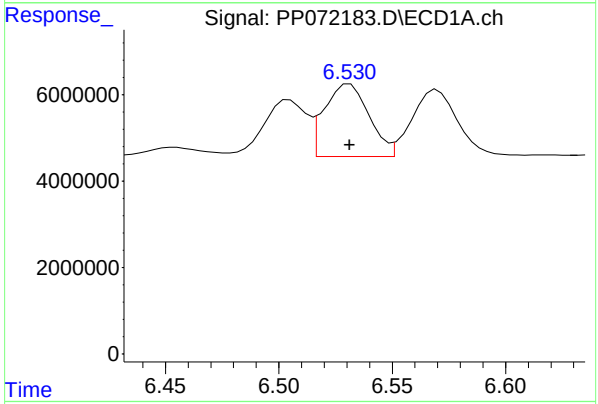
R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 17659503
Conc: 261.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



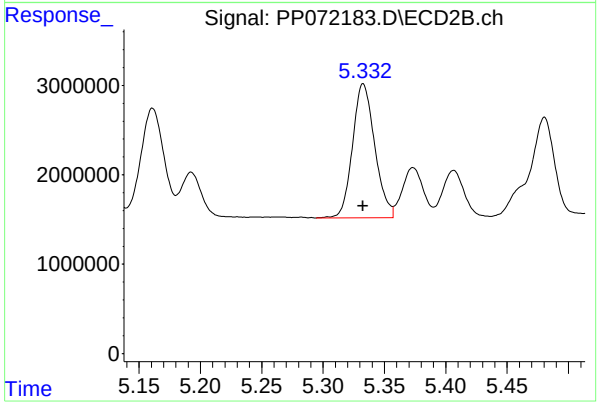
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 16001810
Conc: 280.91 ng/ml



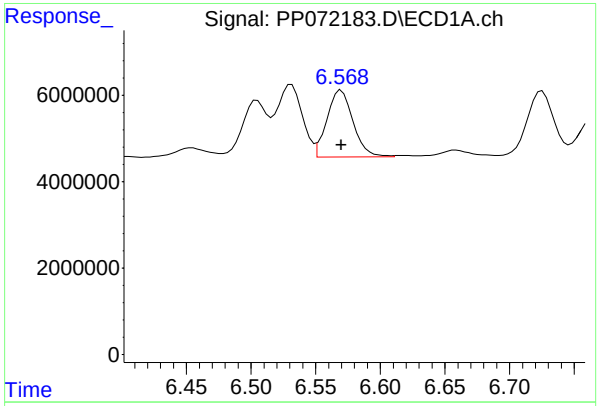
#24 AR-1248-4

R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 23049150
Conc: 265.30 ng/ml



#24 AR-1248-4

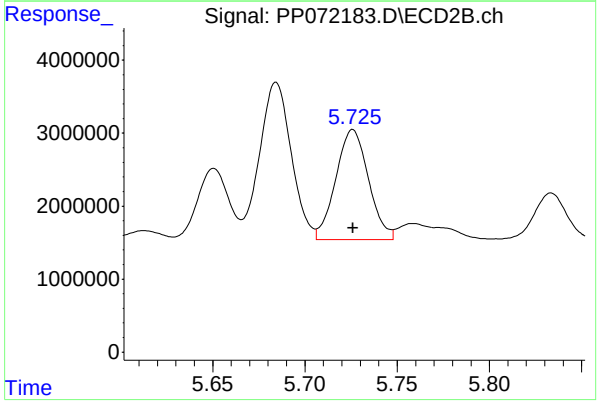
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 18905273
Conc: 281.07 ng/ml



#25 AR-1248-5

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 21712961
Conc: 264.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 18625278
Conc: 276.06 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.797	9281743	8589975	4.760	5.149
2)	SA Decachlor...	10.214	8.824	7393621	5937693	4.604	5.226
	Target Compounds						
21)	L5 AR-1248-1	5.652	4.881	2555425	2493351	52.477m	57.554
22)	L5 AR-1248-2	5.926	5.118	3108634	3271038	51.264	57.918
23)	L5 AR-1248-3	6.128	5.160	3050186	3383850	46.089	57.249
24)	L5 AR-1248-4	6.528	5.332	4472018	3960972	51.172	56.978m
25)	L5 AR-1248-5	6.567	5.725	4323703	3941459	52.077	56.517

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

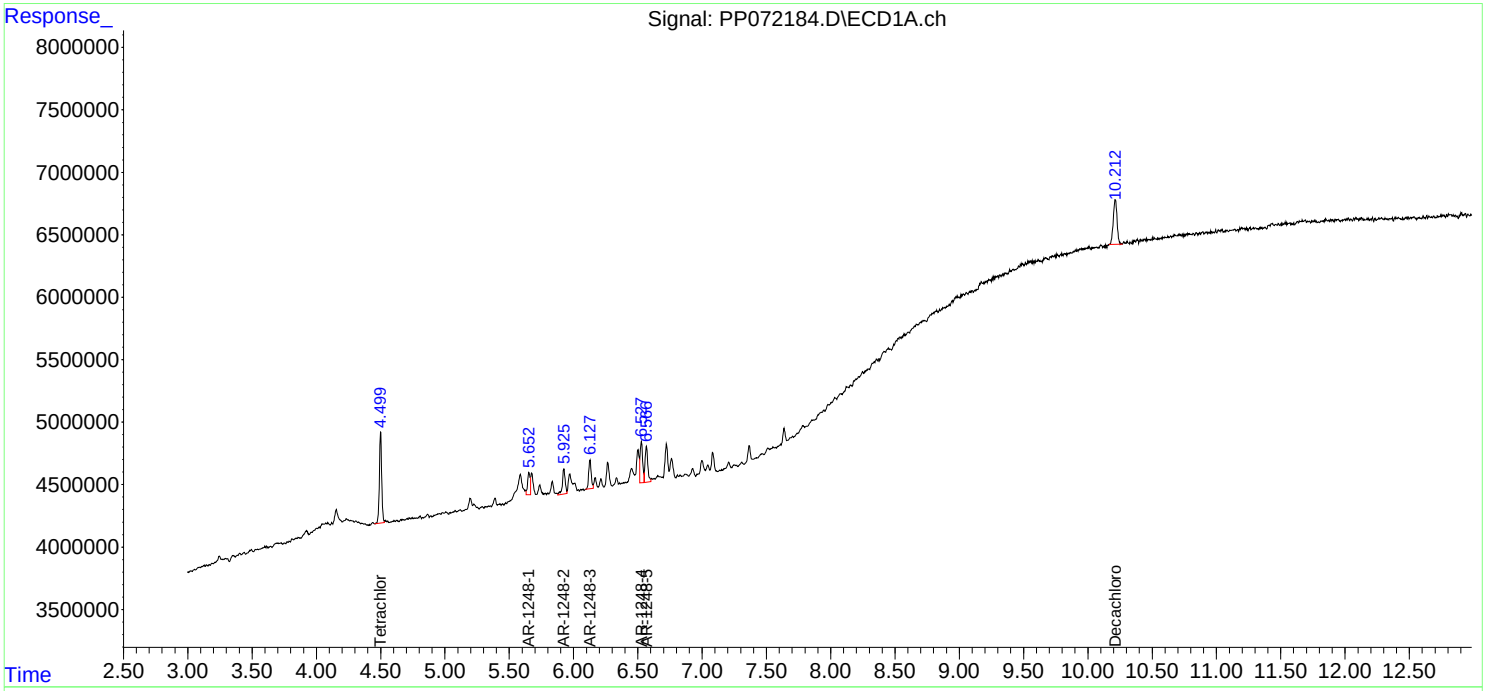
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

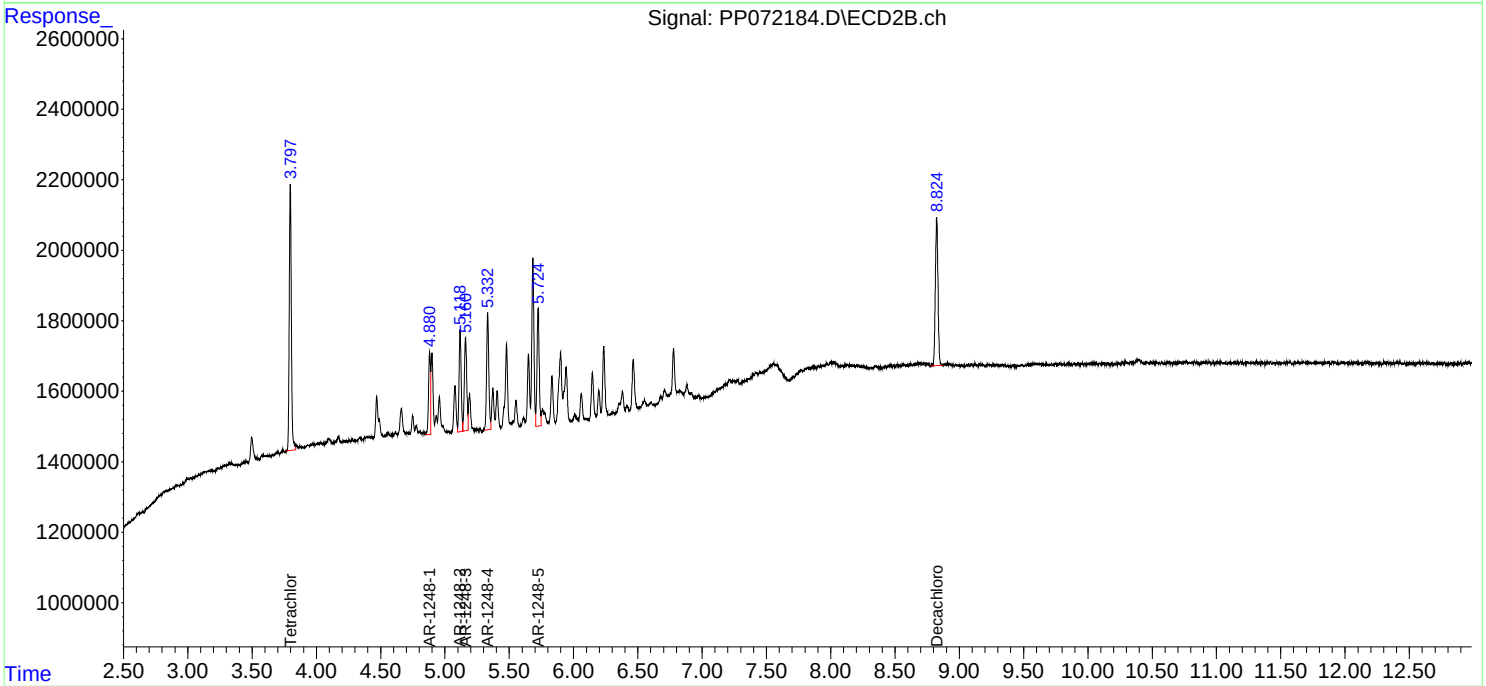
Manual Integrations APPROVED

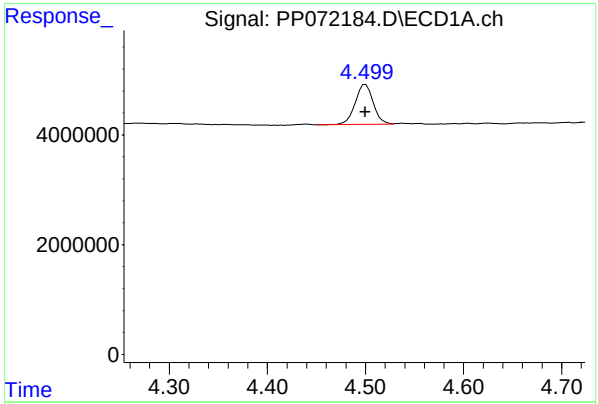
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







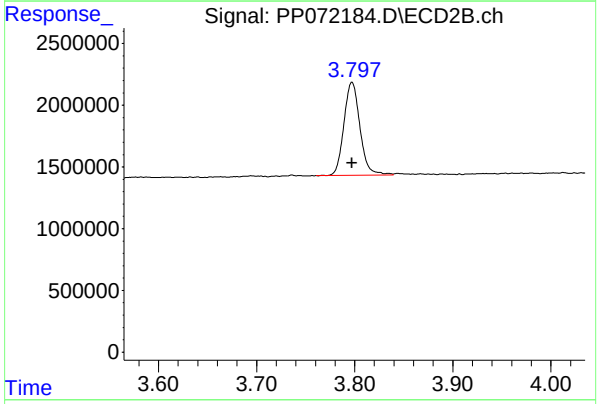
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 9281743
Conc: 4.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

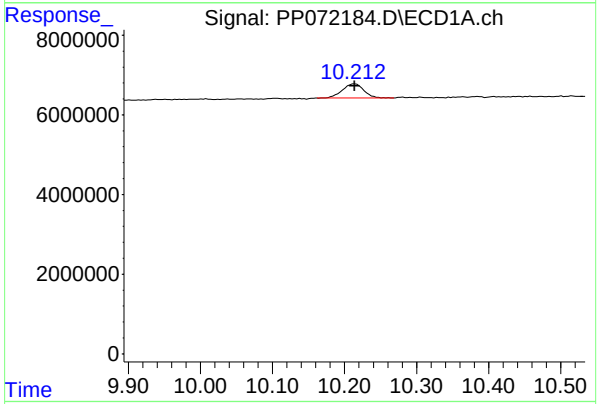
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



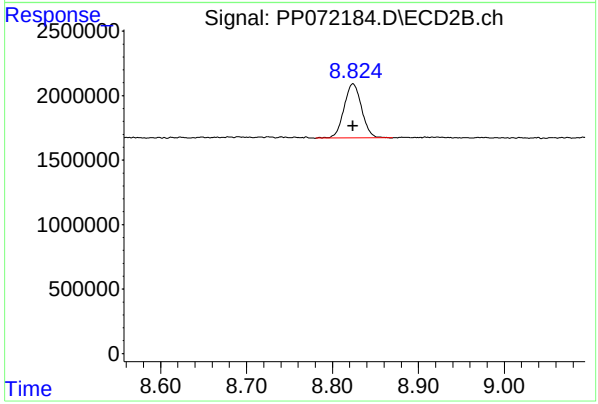
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 8589975
Conc: 5.15 ng/ml



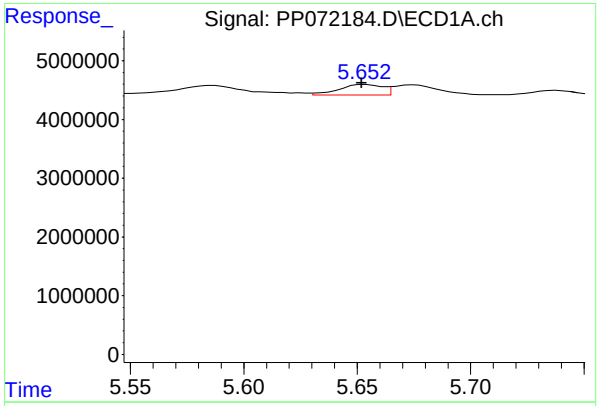
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 7393621
Conc: 4.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5937693
Conc: 5.23 ng/ml



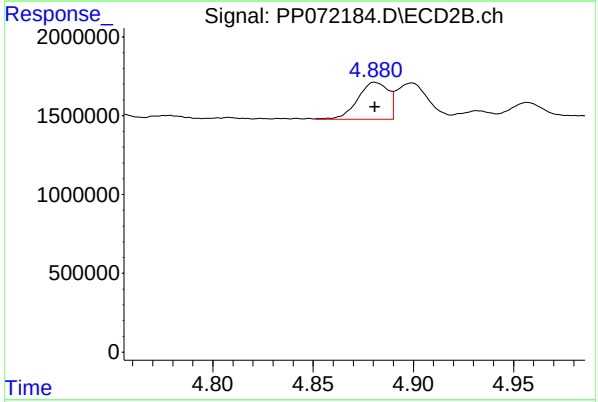
#21 AR-1248-1

R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 2555425
Conc: 52.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

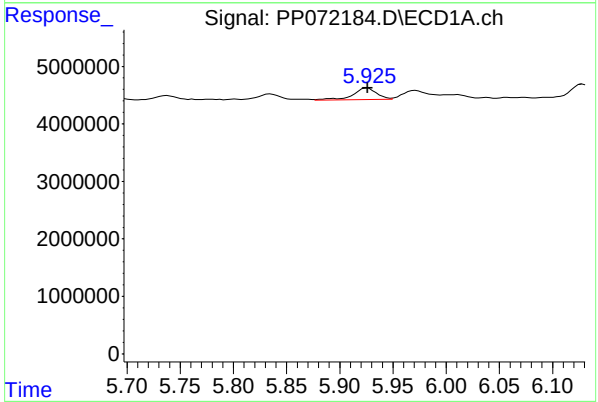
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



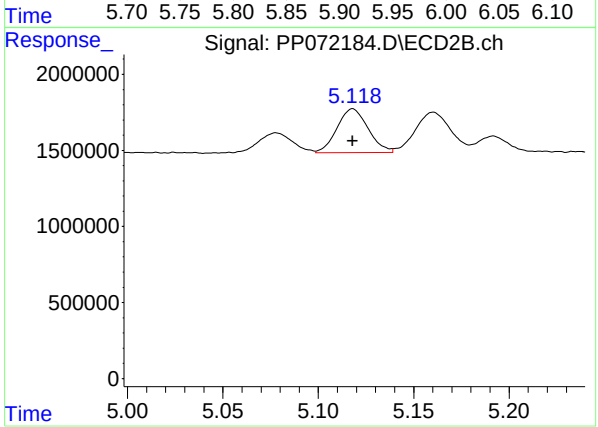
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 2493351
Conc: 57.55 ng/ml



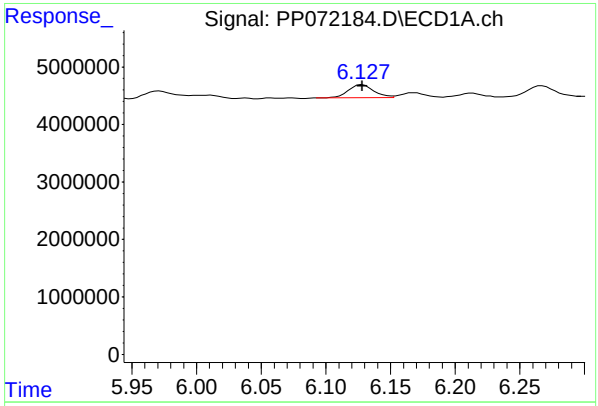
#22 AR-1248-2

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 3108634
Conc: 51.26 ng/ml



#22 AR-1248-2

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 3271038
Conc: 57.92 ng/ml



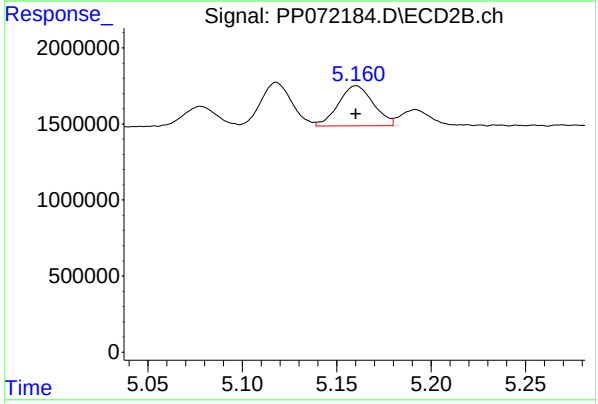
#23 AR-1248-3

R.T.: 6.128 min
Delta R.T.: 0.000 mi
Response: 3050186
Conc: 46.09 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

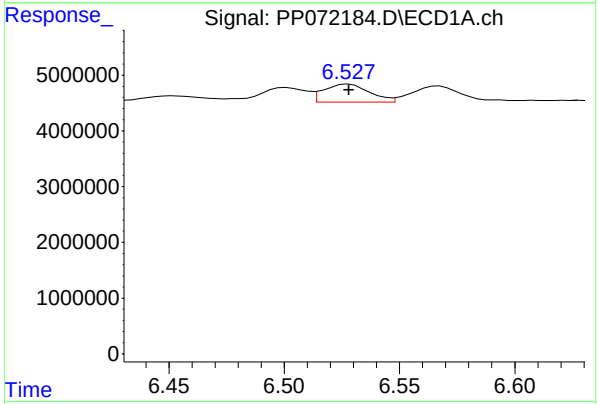
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



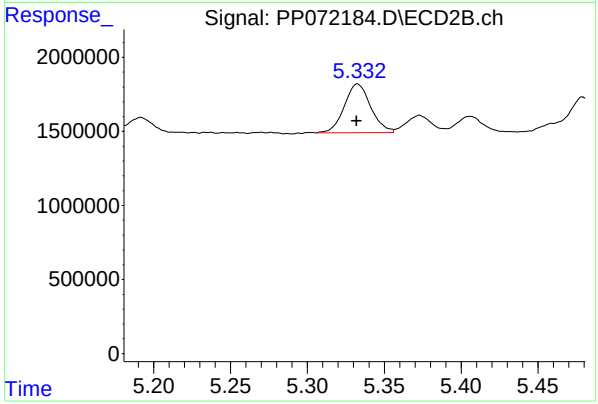
#23 AR-1248-3

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 3383850
Conc: 57.25 ng/ml



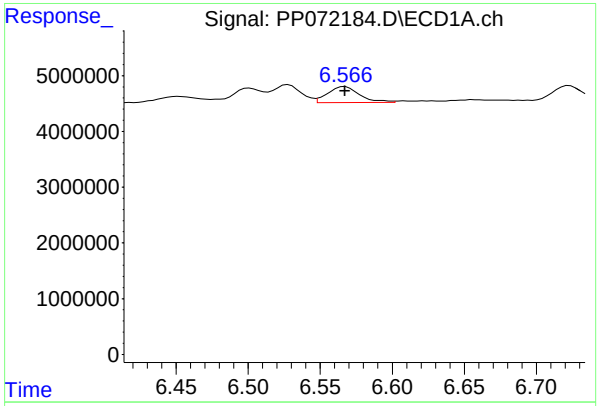
#24 AR-1248-4

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 4472018
Conc: 51.17 ng/ml



#24 AR-1248-4

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 3960972
Conc: 56.98 ng/ml m



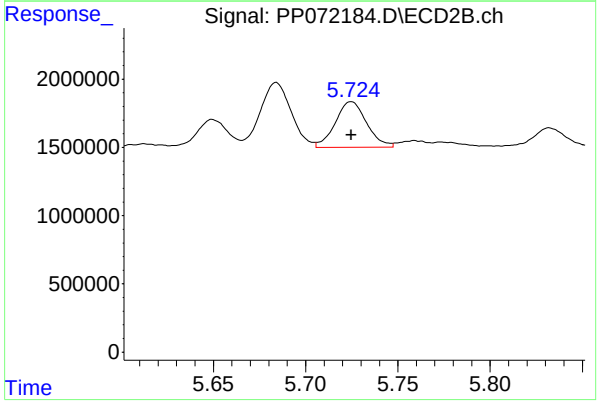
#25 AR-1248-5

R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 4323703
Conc: 52.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 3941459
Conc: 56.52 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.504	3.799	186.9E6	151.6E6	95.813	92.566
2)	SA Decachlor...	10.217	8.825	157.7E6	104.9E6	96.583	97.142
	Target Compounds						
26)	L6 AR-1254-1	6.507	5.685	79792123	88394708	957.230	921.511
27)	L6 AR-1254-2	6.724	5.834	120.1E6	75158218	956.365	909.300
28)	L6 AR-1254-3	7.088	6.236	124.3E6	118.6E6	963.286	925.888
29)	L6 AR-1254-4	7.370	6.465	116.3E6	76184182	966.294	916.589
30)	L6 AR-1254-5	7.787	6.883	107.9E6	103.3E6	962.647	923.217

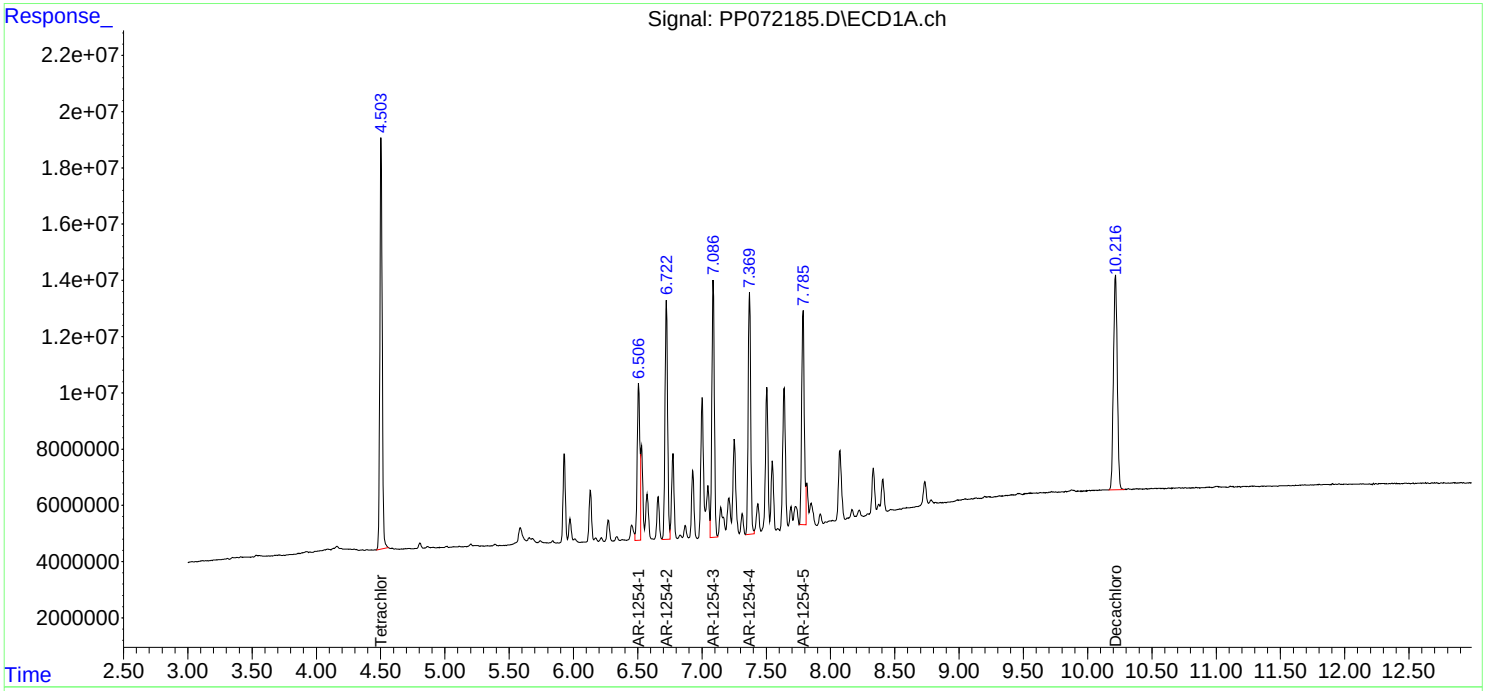
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

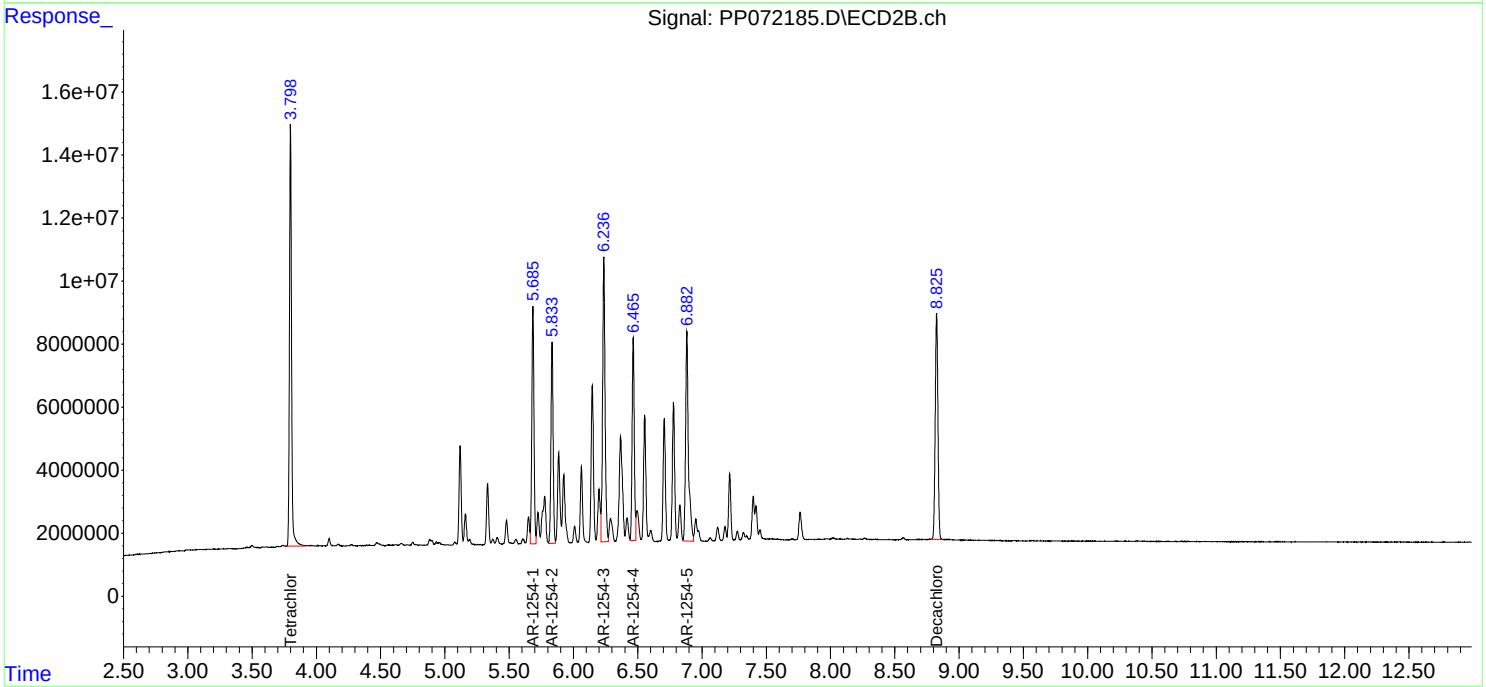
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

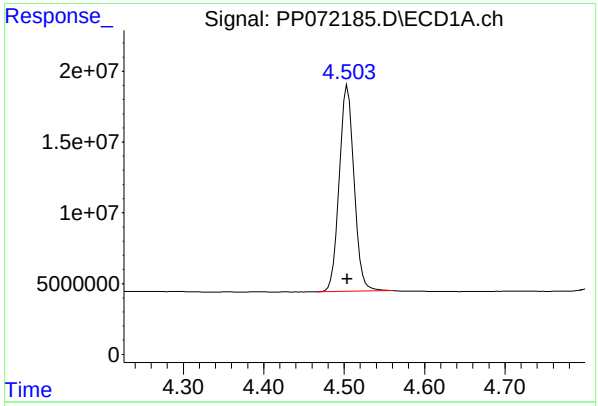
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



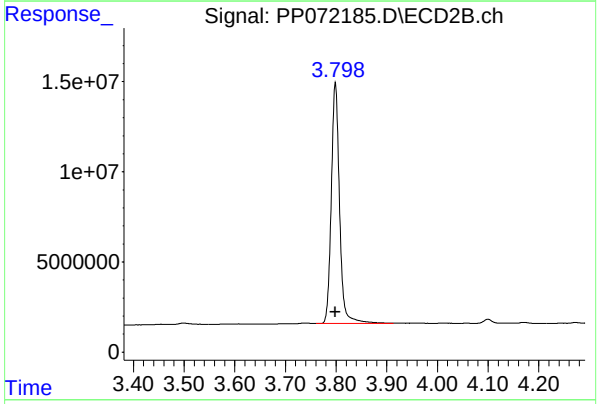




#1 Tetrachloro-m-xylene

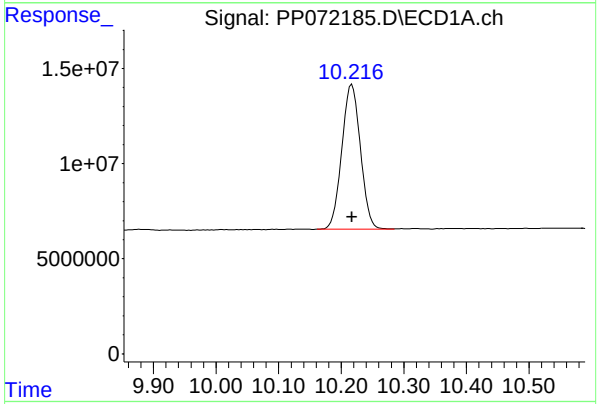
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 186906656
Conc: 95.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



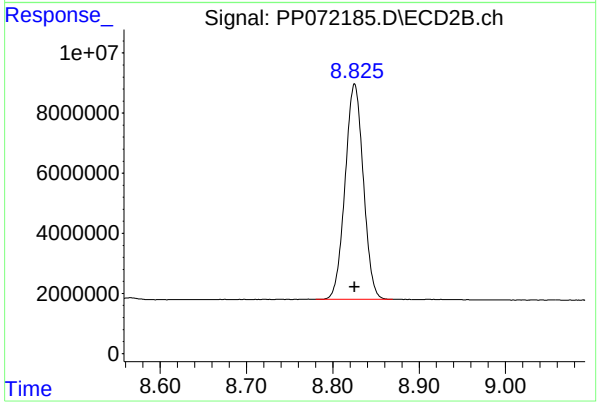
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 151555454
Conc: 92.57 ng/ml



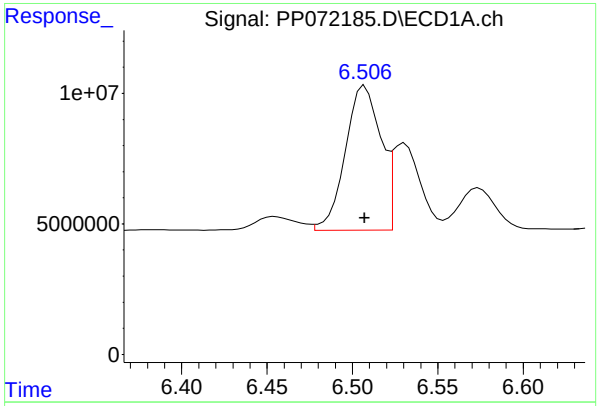
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 157650007
Conc: 96.58 ng/ml



#2 Decachlorobiphenyl

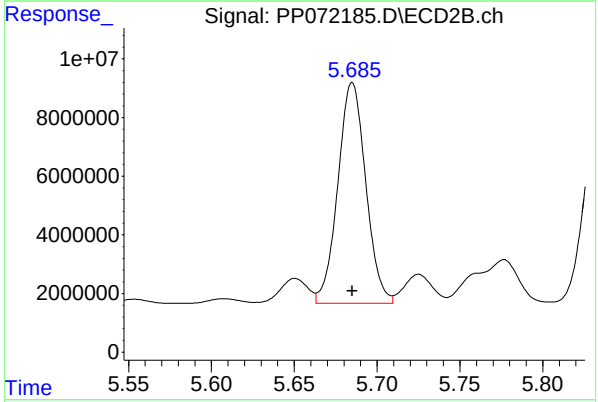
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 104861824
Conc: 97.14 ng/ml



#26 AR-1254-1

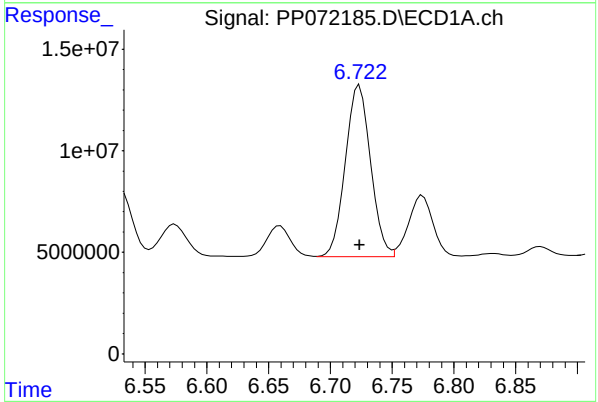
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 79792123
Conc: 957.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



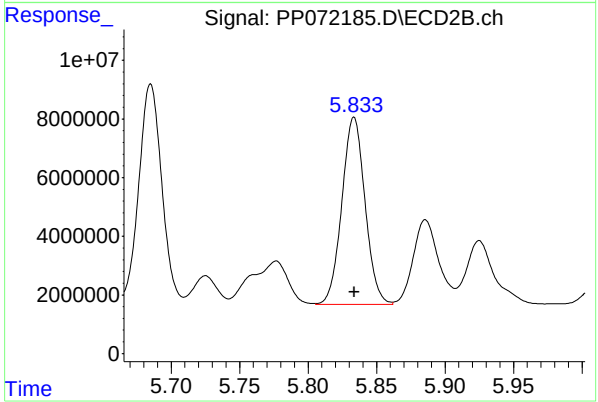
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 88394708
Conc: 921.51 ng/ml



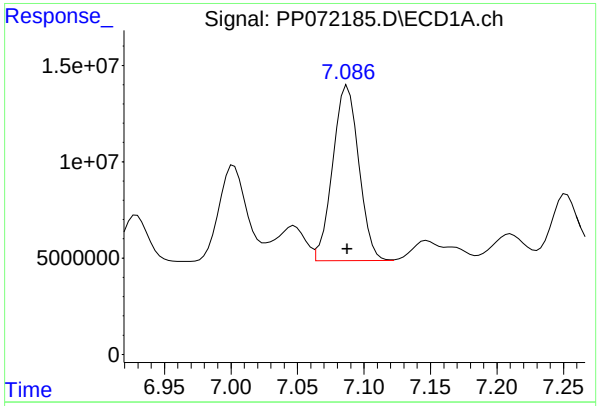
#27 AR-1254-2

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 120142096
Conc: 956.36 ng/ml



#27 AR-1254-2

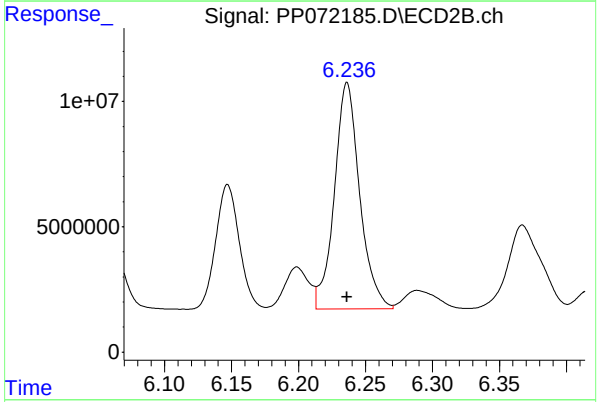
R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 75158218
Conc: 909.30 ng/ml



#28 AR-1254-3

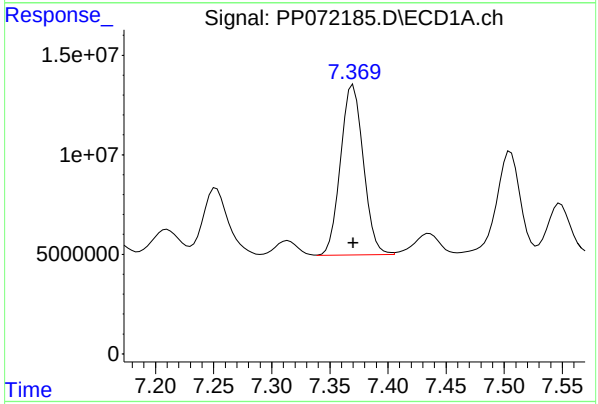
R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 124307316
Conc: 963.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



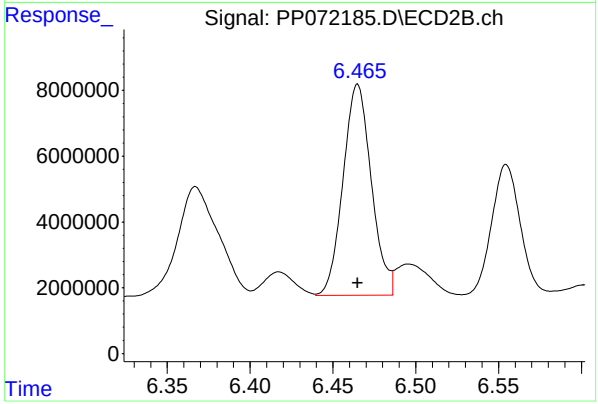
#28 AR-1254-3

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 118588697
Conc: 925.89 ng/ml



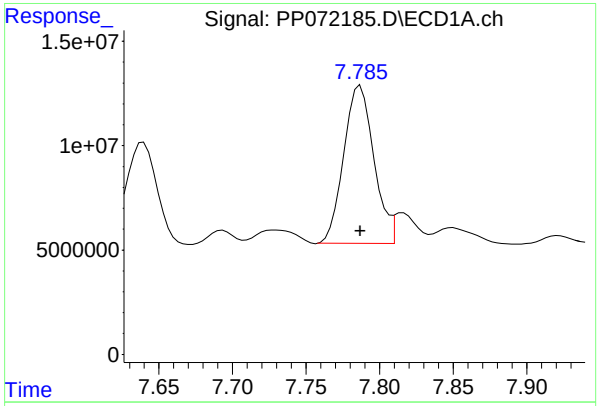
#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 116304358
Conc: 966.29 ng/ml



#29 AR-1254-4

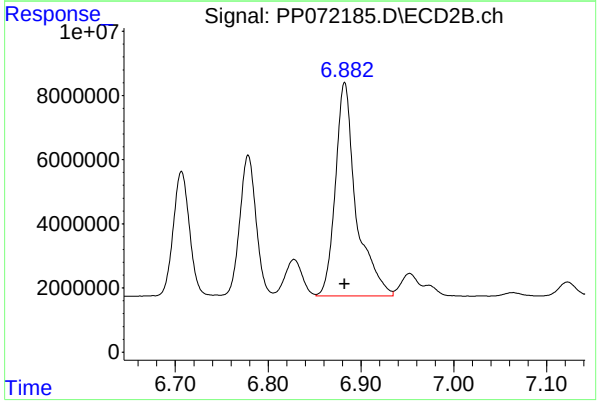
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 76184182
Conc: 916.59 ng/ml



#30 AR-1254-5

R.T.: 7.787 min
Delta R.T.: 0.000 min
Response: 107938622
Conc: 962.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 103321222
Conc: 923.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.504	3.799	146.2E6	125.8E6	74.952	76.204
2)	SA Decachlor...	10.217	8.825	121.1E6	81081085	74.439	75.075
	Target Compounds						
26)	L6 AR-1254-1	6.507	5.685	62087463	69101121	746.549	729.987
27)	L6 AR-1254-2	6.723	5.834	93637557	59106174	746.914	726.363
28)	L6 AR-1254-3	7.087	6.237	95874547	92318270	745.288	730.264
29)	L6 AR-1254-4	7.370	6.465	88913109	59863409	742.441	729.887
30)	L6 AR-1254-5	7.786	6.883	84042453	83723123	749.686	748.732

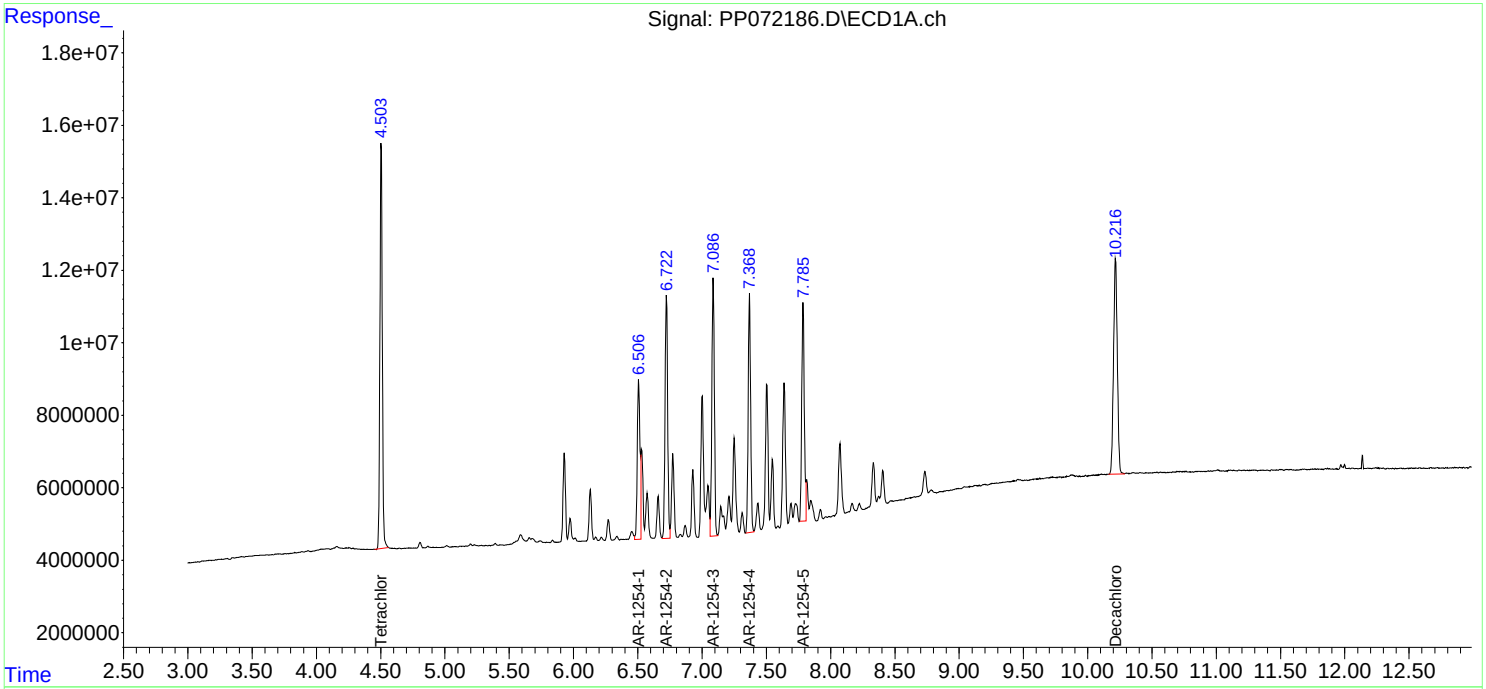
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

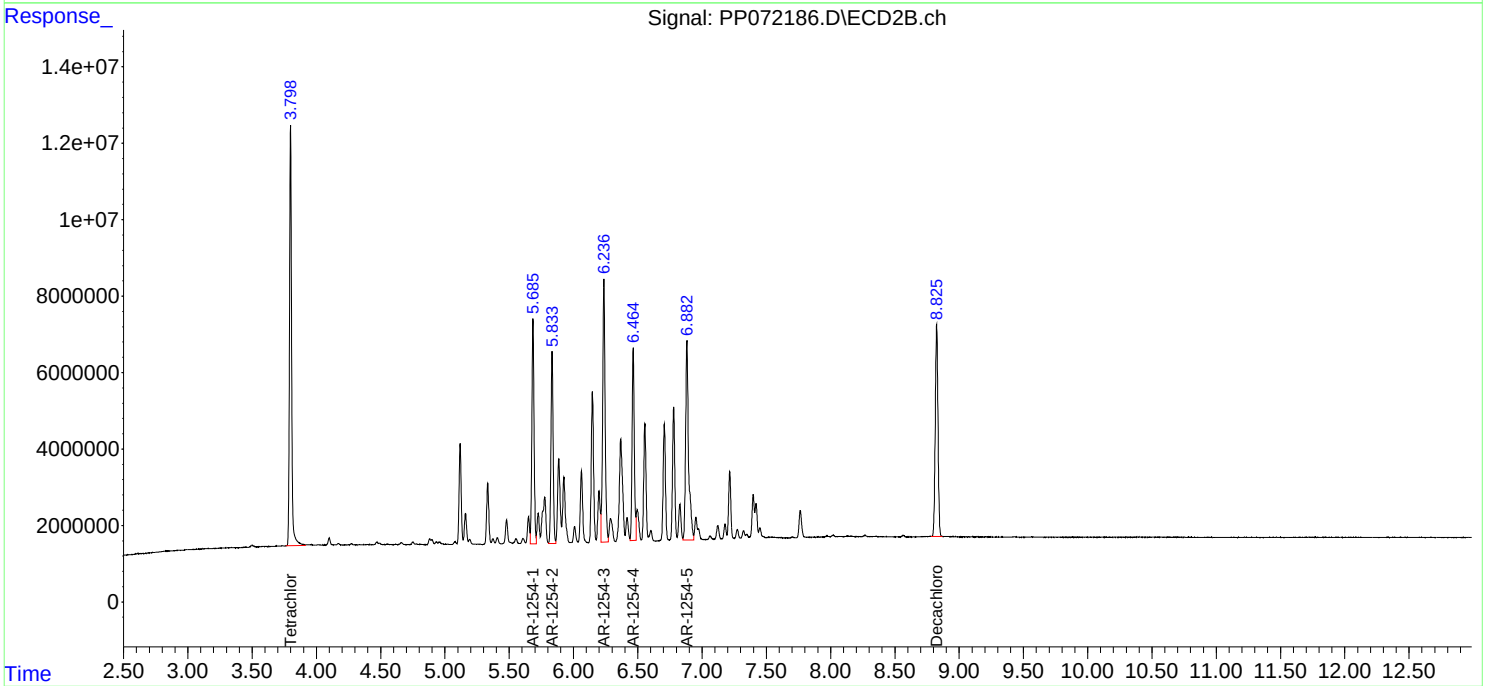
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

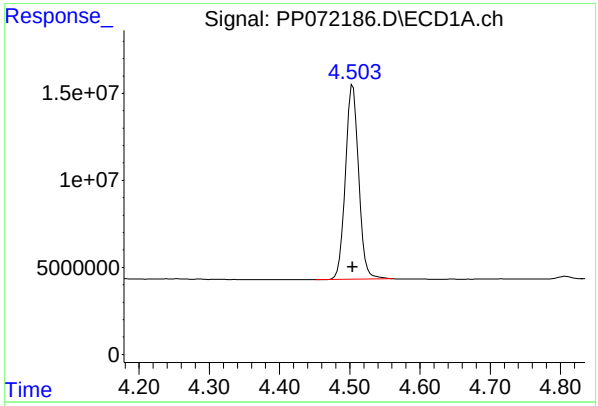
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



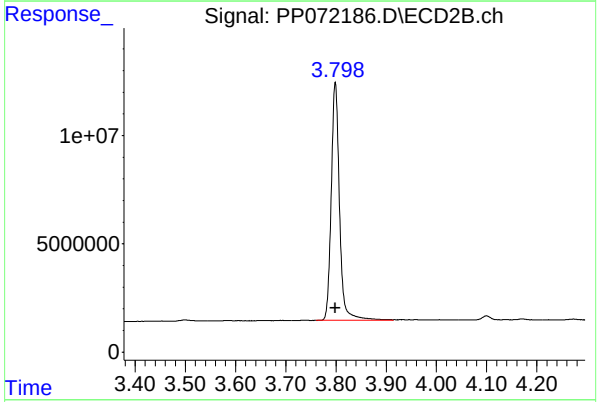




#1 Tetrachloro-m-xylene

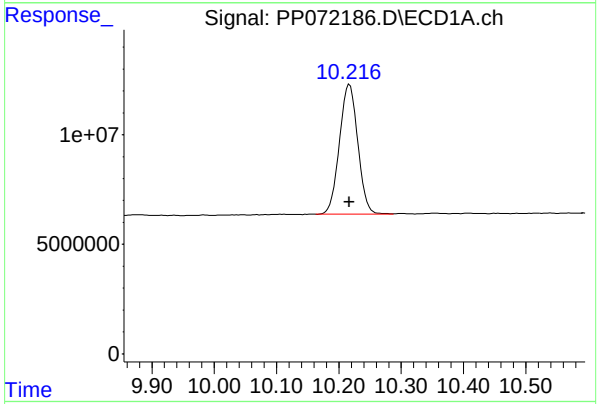
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 146165651
Conc: 74.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



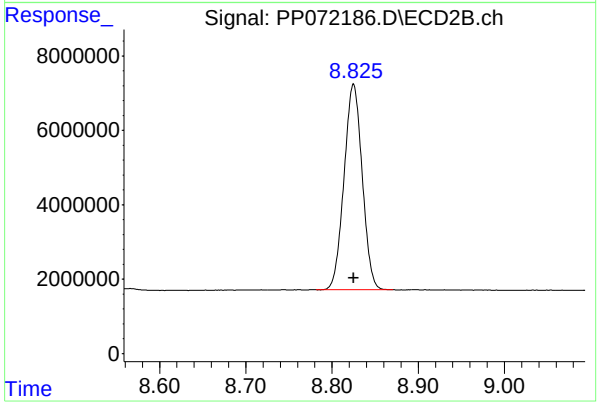
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 125776959
Conc: 76.20 ng/ml



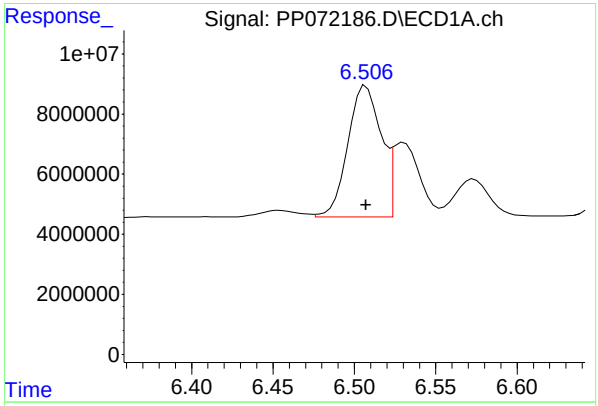
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 121052407
Conc: 74.44 ng/ml



#2 Decachlorobiphenyl

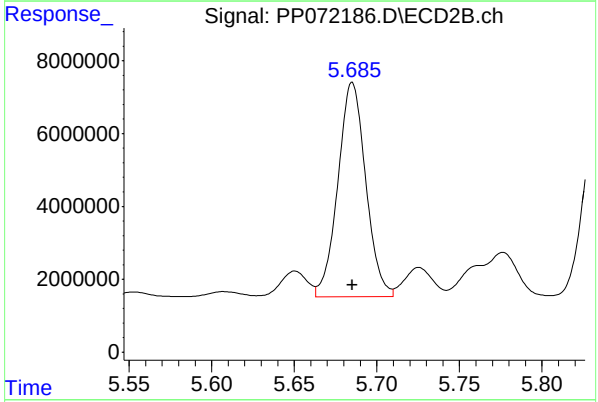
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 81081085
Conc: 75.07 ng/ml



#26 AR-1254-1

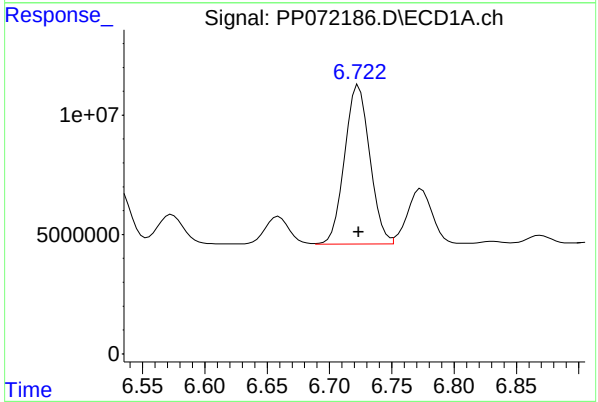
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 62087463
Conc: 746.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



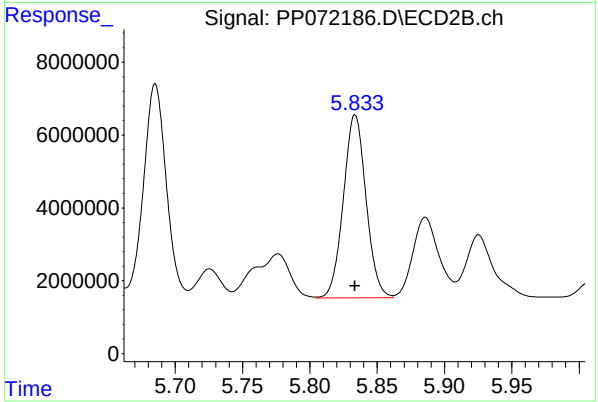
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 69101121
Conc: 729.99 ng/ml



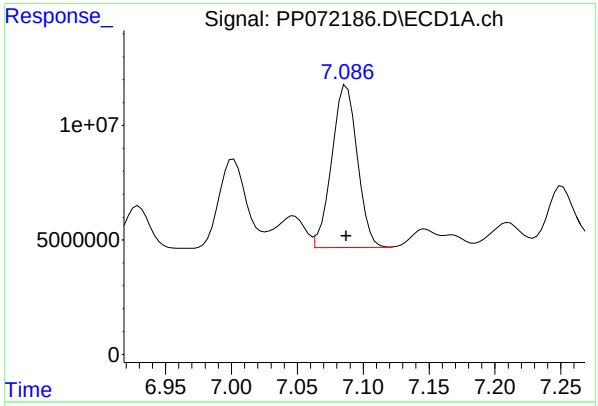
#27 AR-1254-2

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 93637557
Conc: 746.91 ng/ml



#27 AR-1254-2

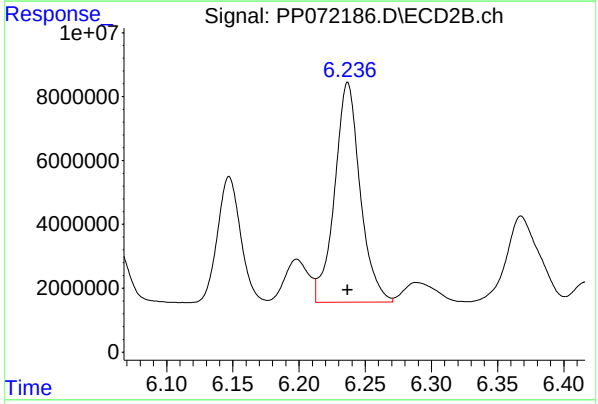
R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 59106174
Conc: 726.36 ng/ml



#28 AR-1254-3

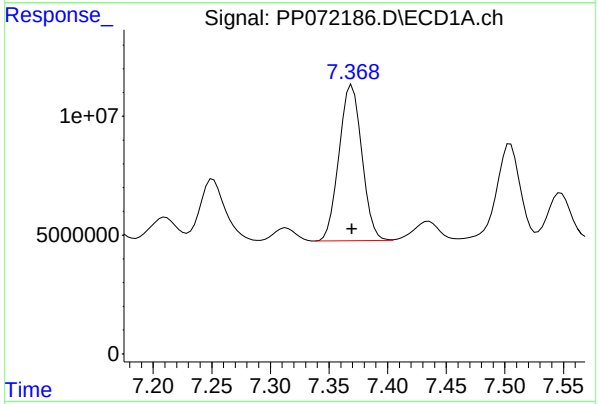
R.T.: 7.087 min
Delta R.T.: 0.000 min
Response: 95874547
Conc: 745.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



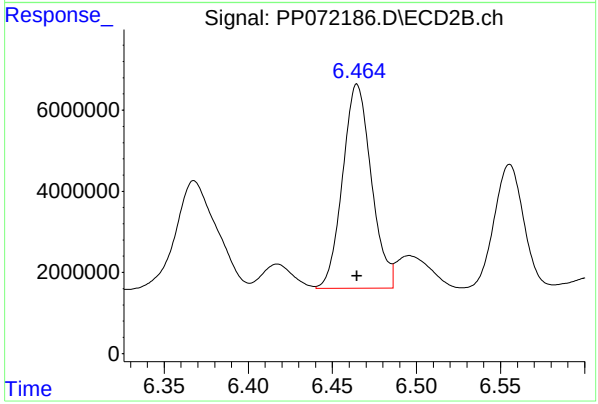
#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 92318270
Conc: 730.26 ng/ml



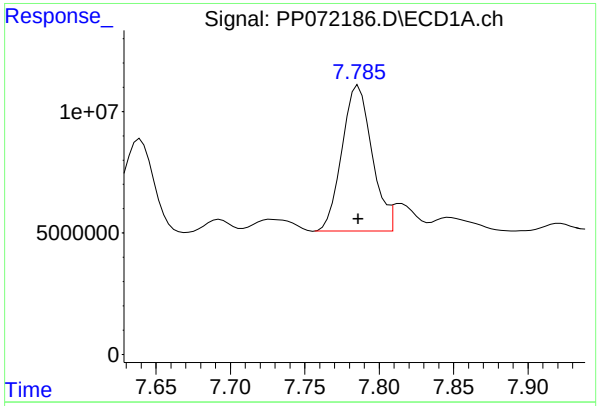
#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 88913109
Conc: 742.44 ng/ml



#29 AR-1254-4

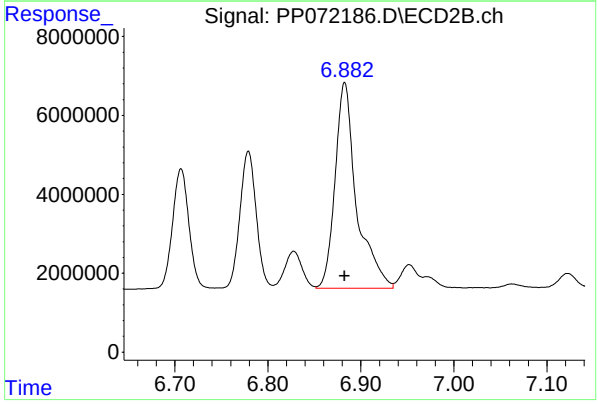
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 59863409
Conc: 729.89 ng/ml



#30 AR-1254-5

R.T.: 7.786 min
Delta R.T.: 0.000 min
Response: 84042453
Conc: 749.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 83723123
Conc: 748.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:52:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.798	101.6E6	87948942	50.000	50.000
2)	SA Decachlor...	10.215	8.825	84401769	55516052	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.506	5.685	43461212	51726314	500.000	500.000
27)	L6 AR-1254-2	6.723	5.833	65552662	45075919	500.000	500.000
28)	L6 AR-1254-3	7.086	6.236	66891427	68786744	500.000	500.000
29)	L6 AR-1254-4	7.369	6.465	62209110	45024944	500.000	500.000
30)	L6 AR-1254-5	7.785	6.883	58157609	60253702	500.000	500.000

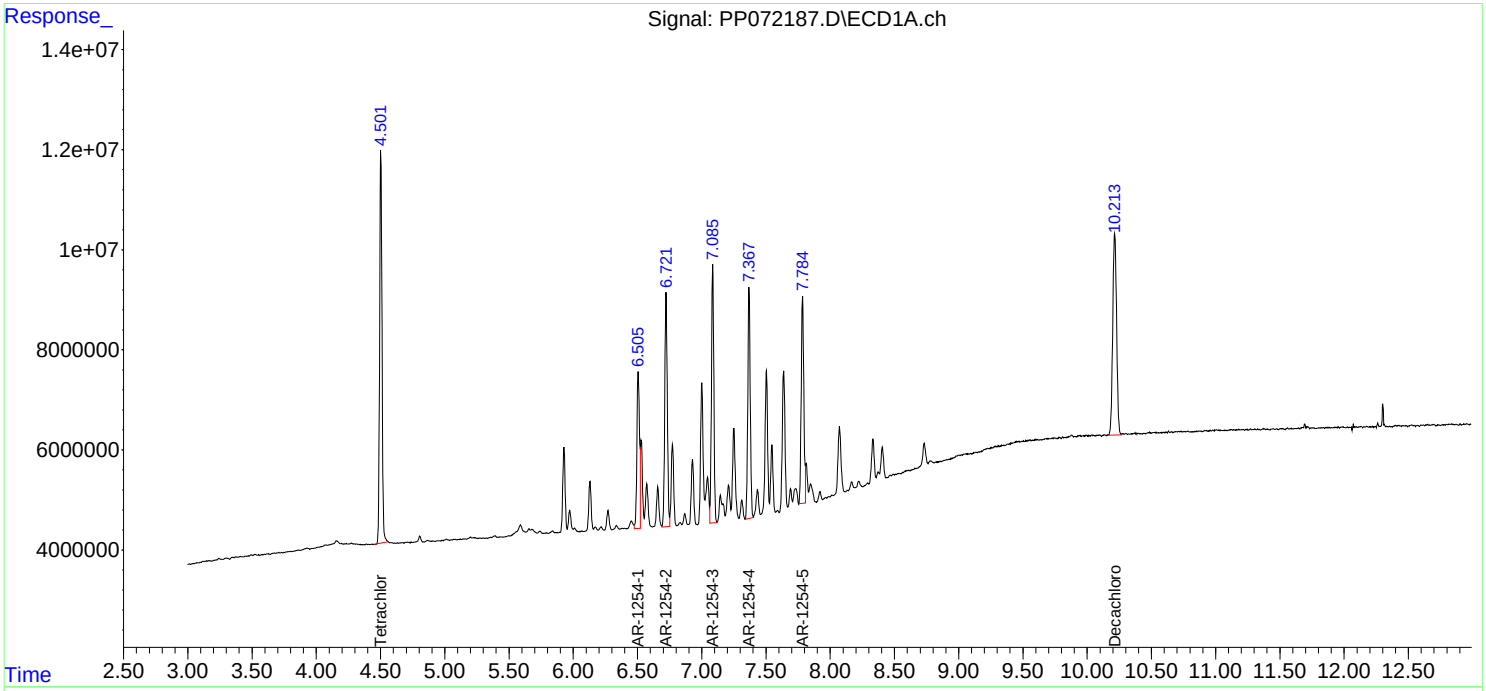
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

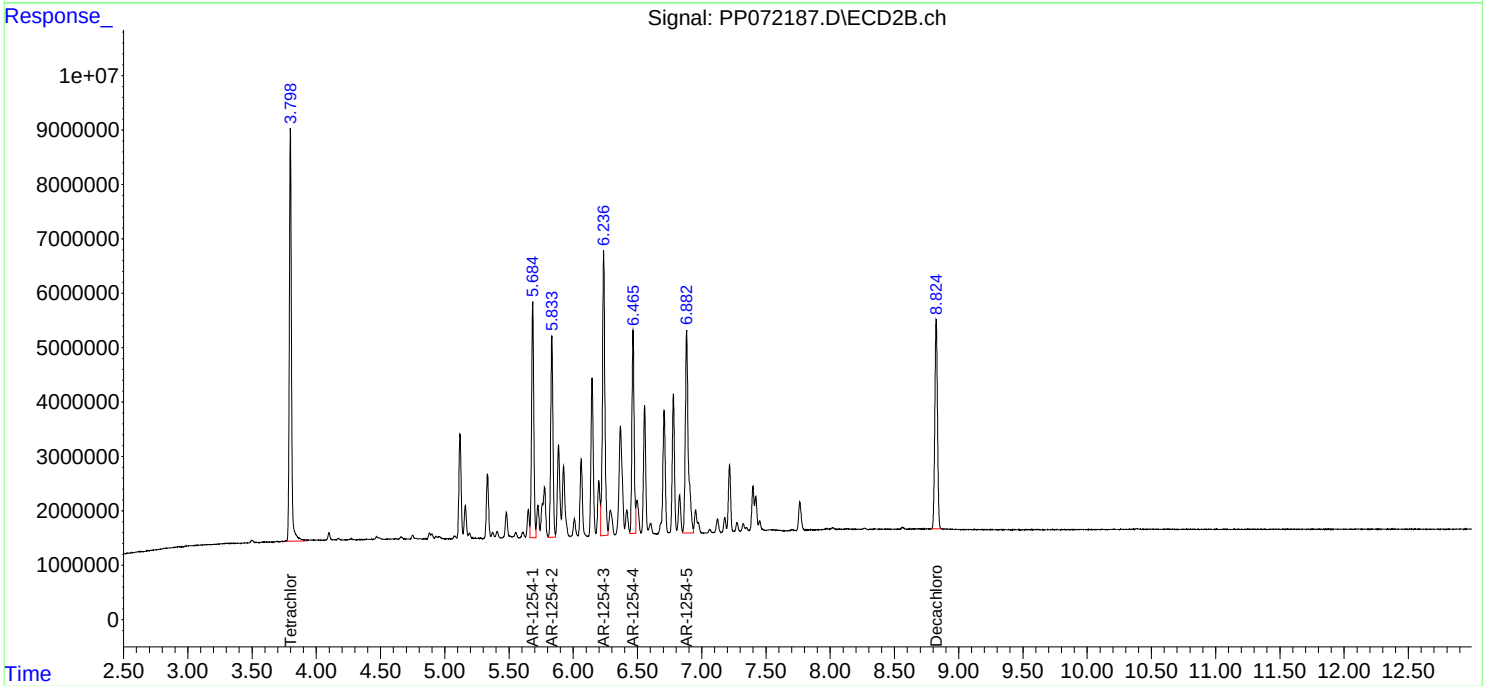
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

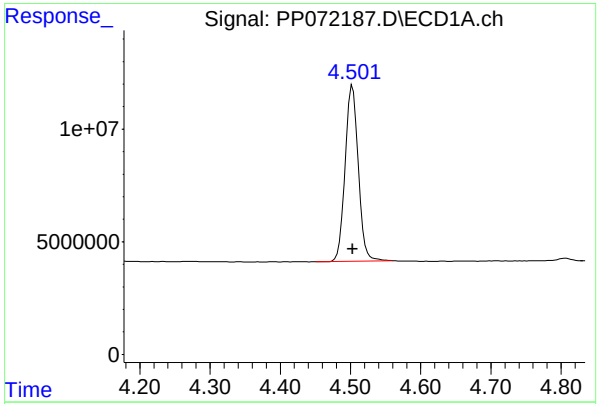
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:52:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



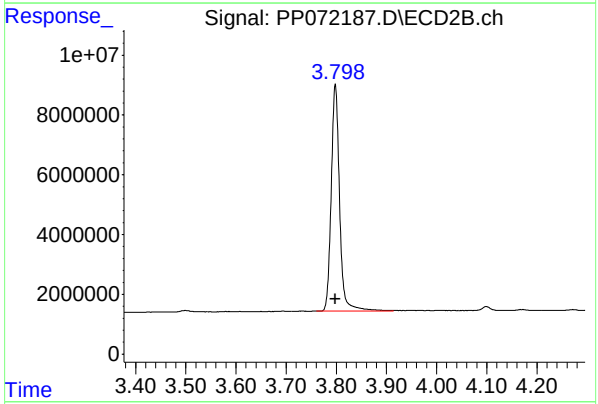




#1 Tetrachloro-m-xylene

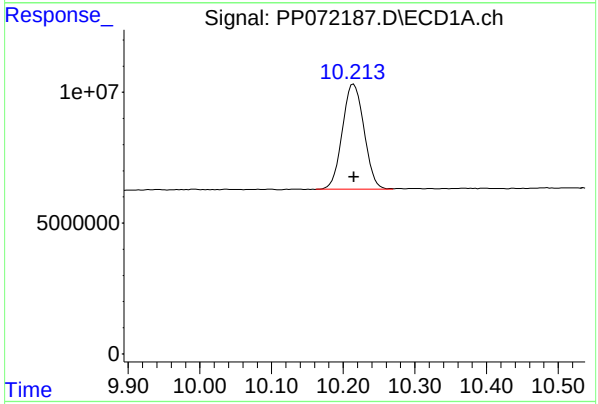
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 101621771
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



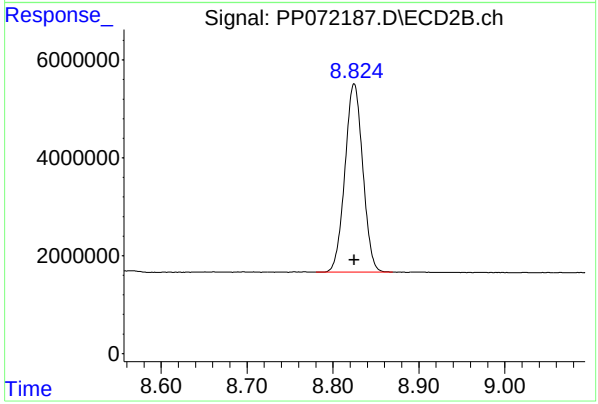
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 87948942
Conc: 50.00 ng/ml



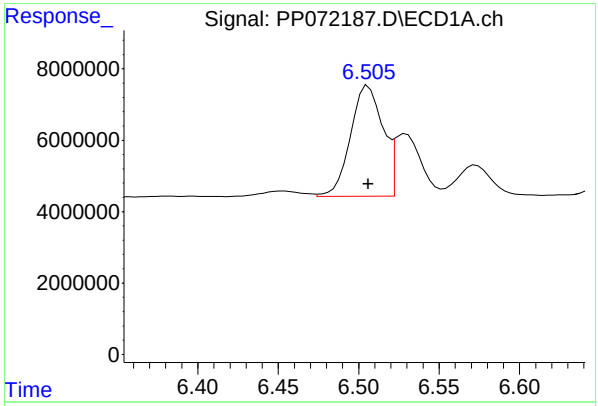
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 84401769
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

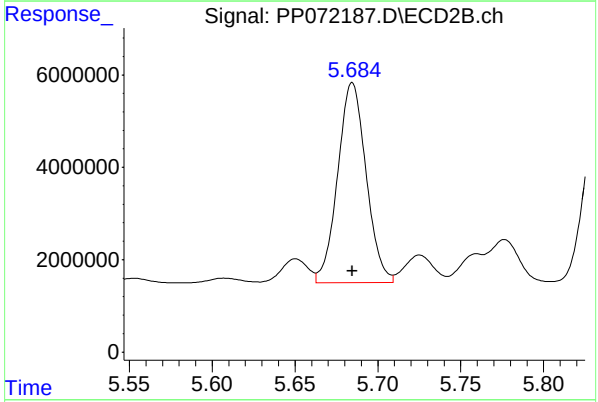
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 55516052
Conc: 50.00 ng/ml



#26 AR-1254-1

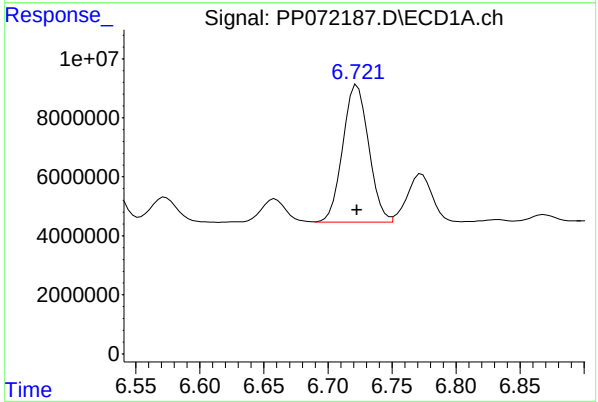
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 43461212
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



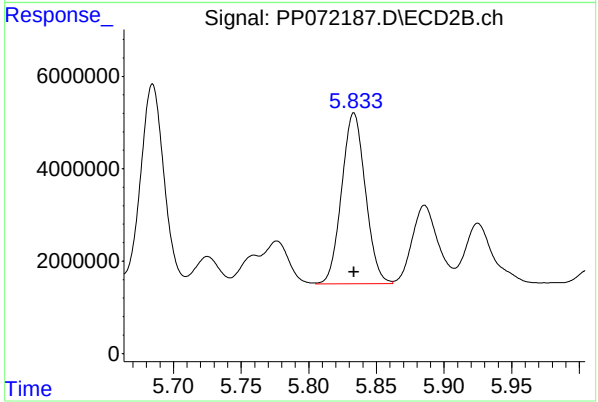
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 51726314
Conc: 500.00 ng/ml



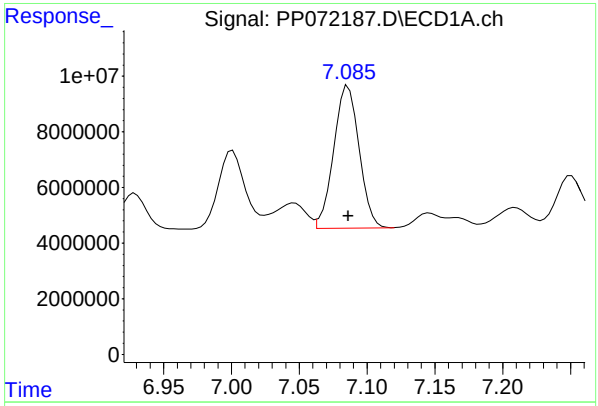
#27 AR-1254-2

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 65552662
Conc: 500.00 ng/ml



#27 AR-1254-2

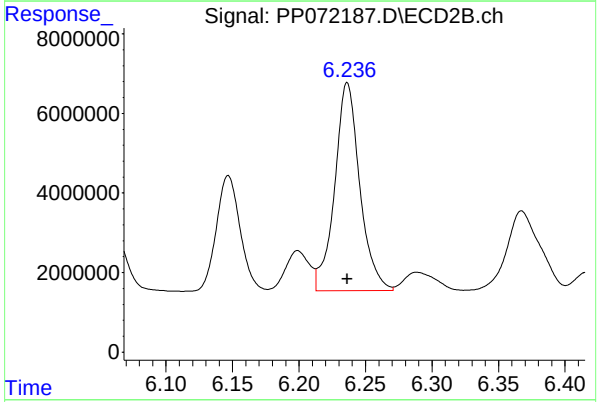
R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 45075919
Conc: 500.00 ng/ml



#28 AR-1254-3

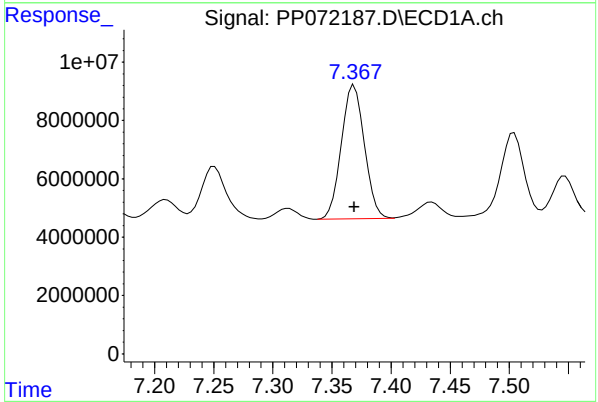
R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 66891427
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



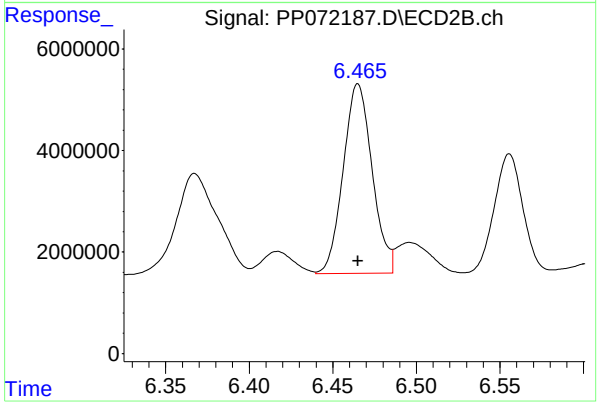
#28 AR-1254-3

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 68786744
Conc: 500.00 ng/ml



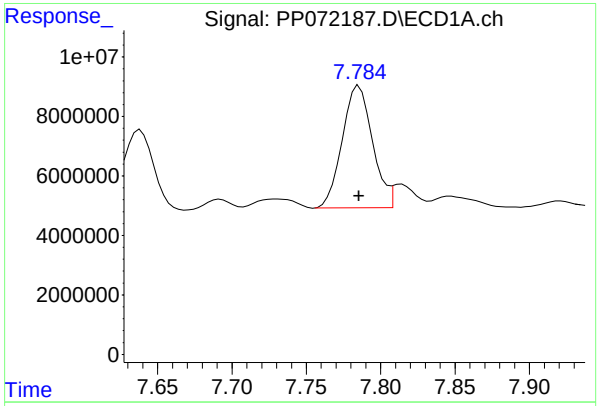
#29 AR-1254-4

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 62209110
Conc: 500.00 ng/ml



#29 AR-1254-4

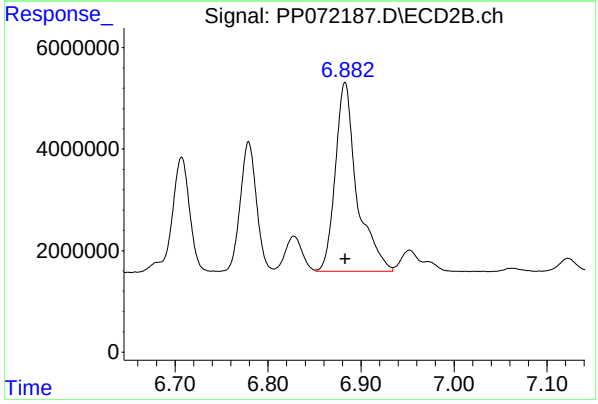
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 45024944
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.785 min
Delta R.T.: 0.000 min
Response: 58157609
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 60253702
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:31
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.798	51747510	42581151	26.134	25.594
2)	SA Decachlor...	10.215	8.825	42700529	30290967	25.932	27.218
	Target Compounds						
26)	L6 AR-1254-1	6.506	5.685	22921007	27395223	268.725	278.433
27)	L6 AR-1254-2	6.722	5.833	33636773	23446738	263.485	277.554
28)	L6 AR-1254-3	7.085	6.237	34246078	35238769	261.967	270.959
29)	L6 AR-1254-4	7.369	6.465	34017428	23090909	274.698	272.930
30)	L6 AR-1254-5	7.785	6.883	29284530	30214333	258.327	264.854

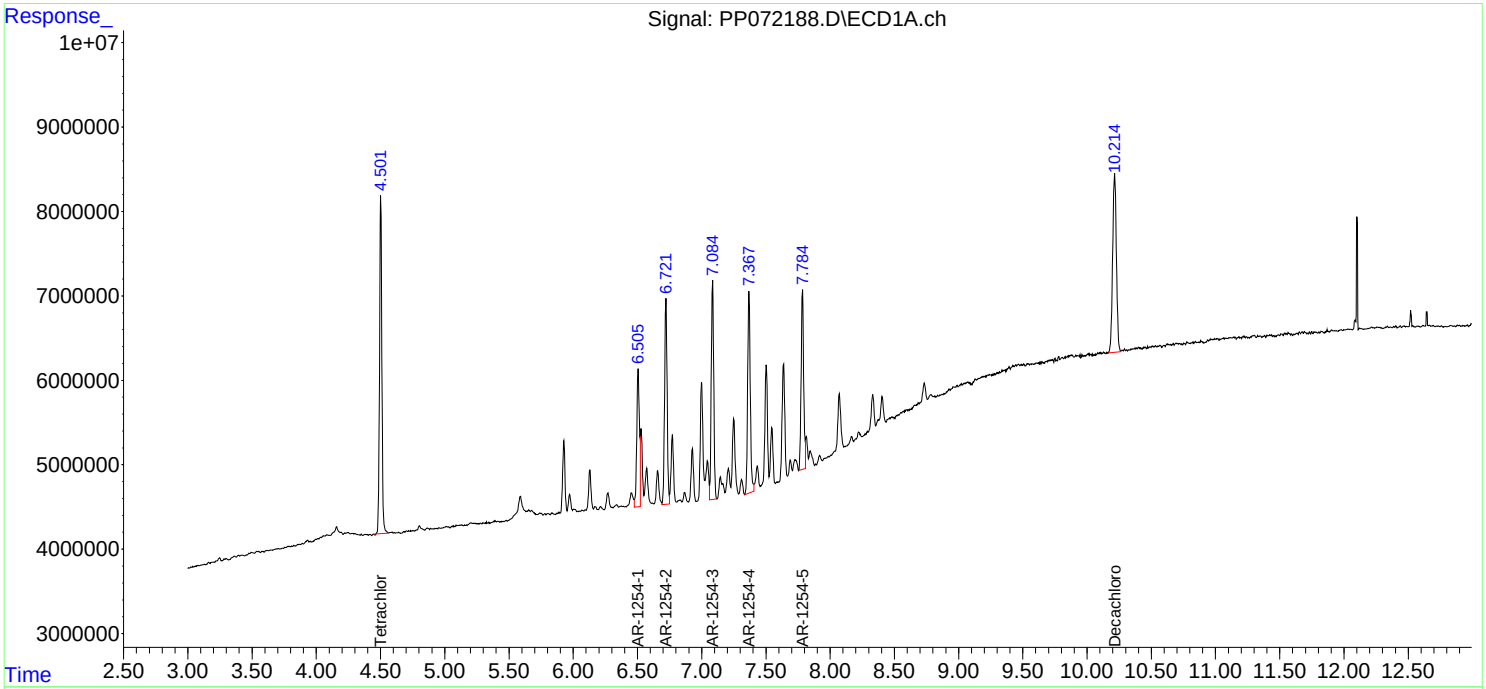
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

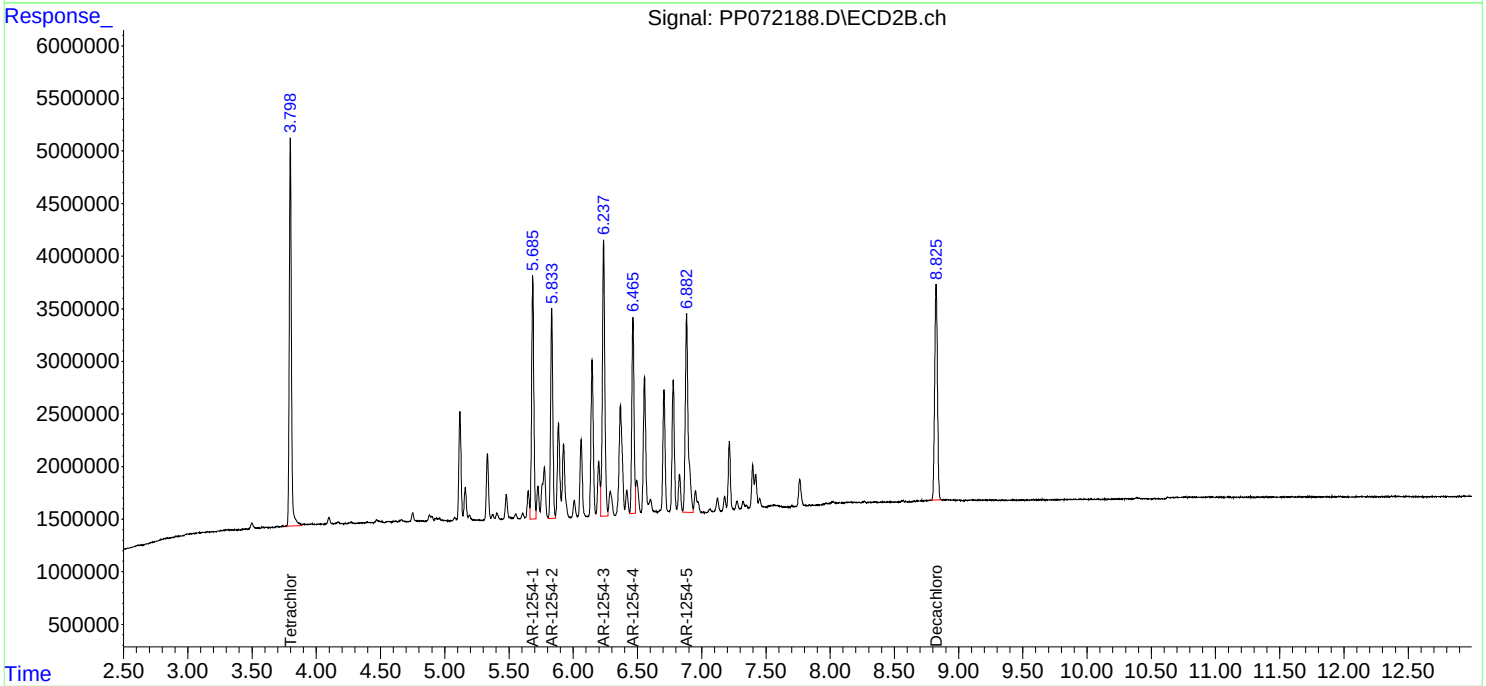
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:31
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

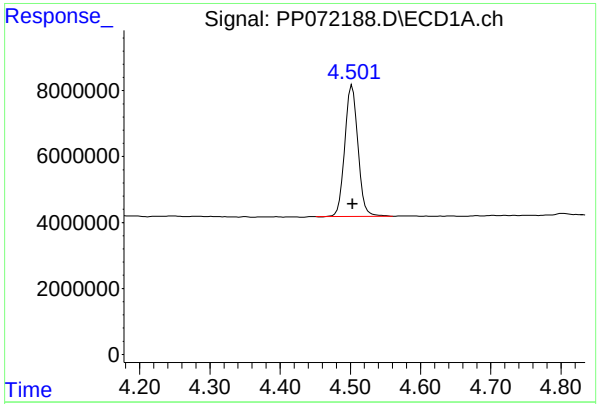
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



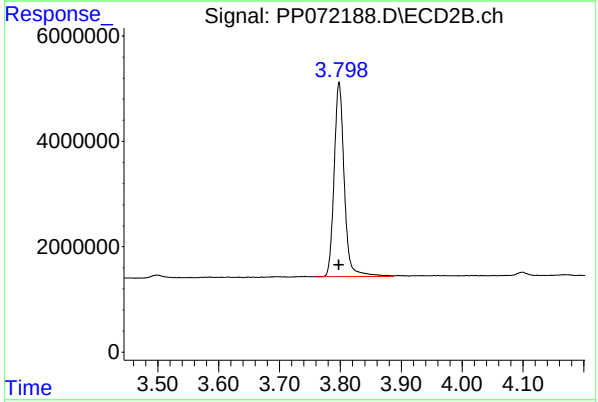




#1 Tetrachloro-m-xylene

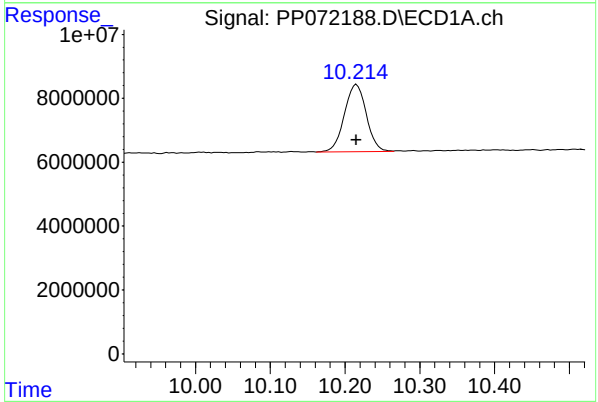
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 51747510
Conc: 26.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



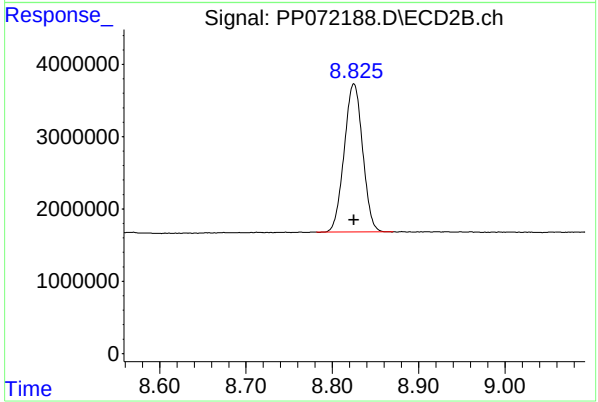
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 42581151
Conc: 25.59 ng/ml



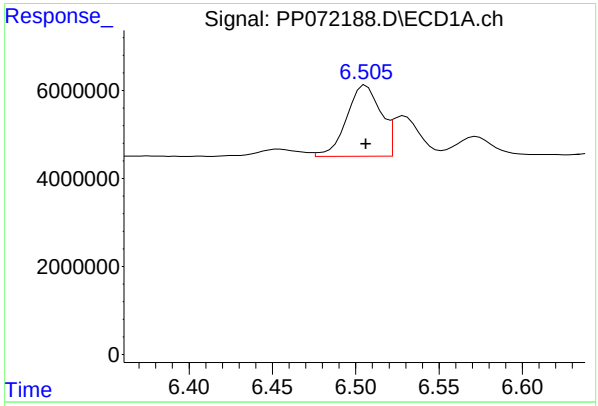
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 42700529
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

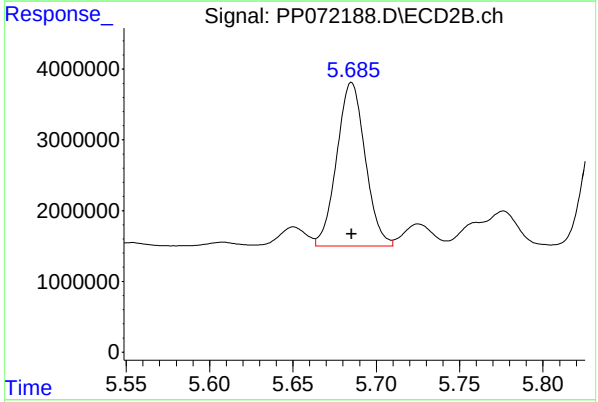
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 30290967
Conc: 27.22 ng/ml



#26 AR-1254-1

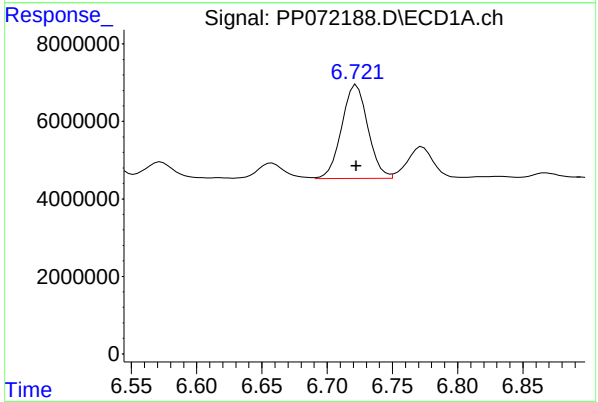
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 22921007
Conc: 268.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



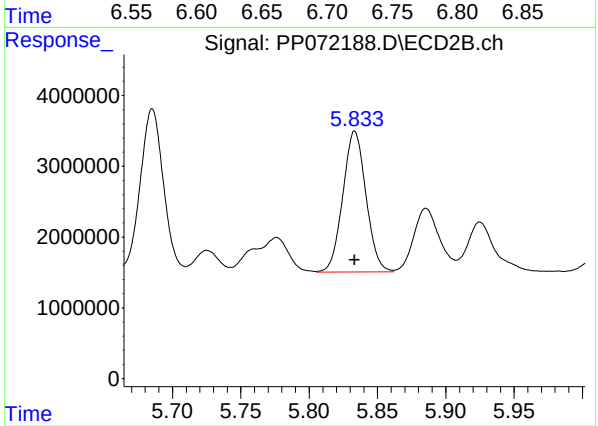
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 27395223
Conc: 278.43 ng/ml



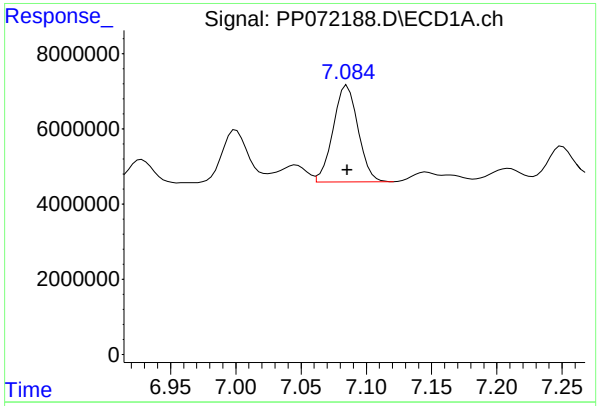
#27 AR-1254-2

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 33636773
Conc: 263.48 ng/ml



#27 AR-1254-2

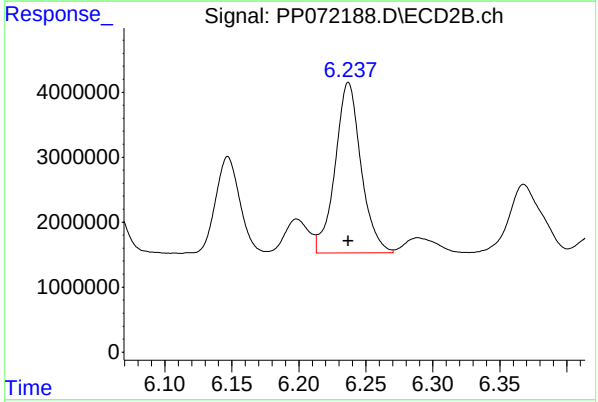
R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 23446738
Conc: 277.55 ng/ml



#28 AR-1254-3

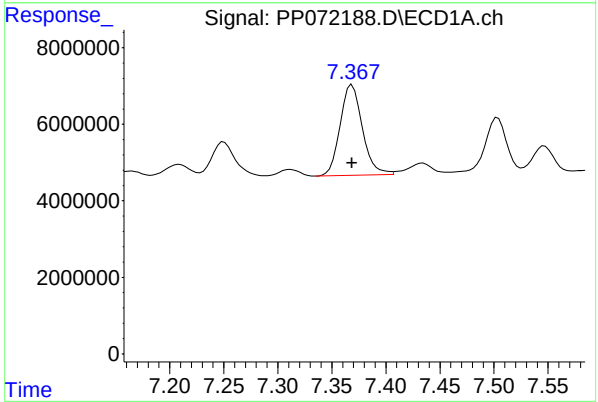
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 34246078
Conc: 261.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



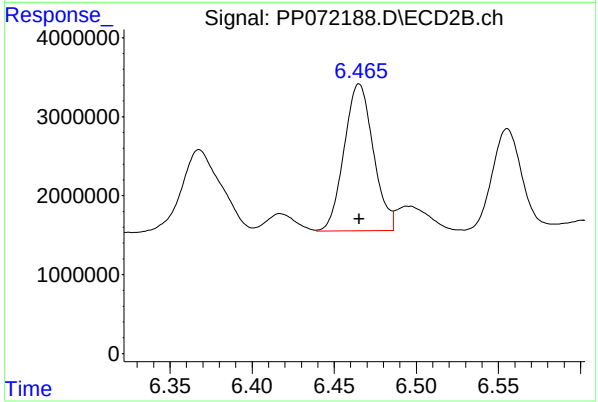
#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 35238769
Conc: 270.96 ng/ml



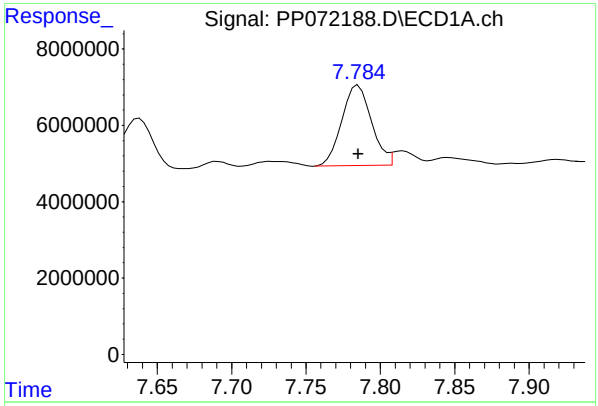
#29 AR-1254-4

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 34017428
Conc: 274.70 ng/ml



#29 AR-1254-4

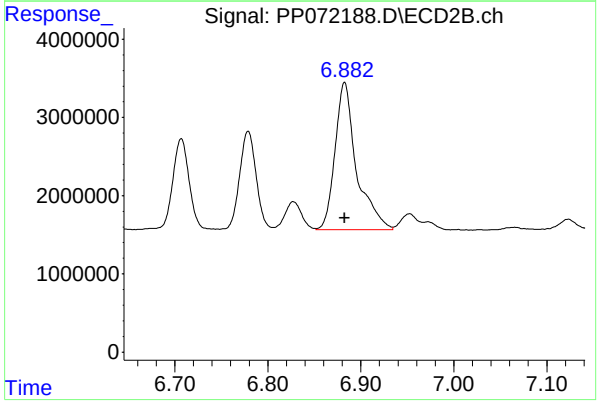
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 23090909
Conc: 272.93 ng/ml



#30 AR-1254-5

R.T.: 7.785 min
Delta R.T.: 0.000 min
Response: 29284530
Conc: 258.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 30214333
Conc: 264.85 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	8087682	6971899	4.231m	4.331m
2)	SA Decachlor...	10.218	8.826	7375422	5691115	4.574	5.091
	Target Compounds						
26)	L6 AR-1254-1	6.507	5.686	4441722	5310413	51.935m	53.128
27)	L6 AR-1254-2	6.724	5.834	7137094	4681467	54.616	54.242
28)	L6 AR-1254-3	7.088	6.237	6855410	6144757	51.934	47.774
29)	L6 AR-1254-4	7.370	6.466	7860526	4403320	60.049m	52.100m
30)	L6 AR-1254-5	7.788	6.883	5139236	5522061	46.197	48.716

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

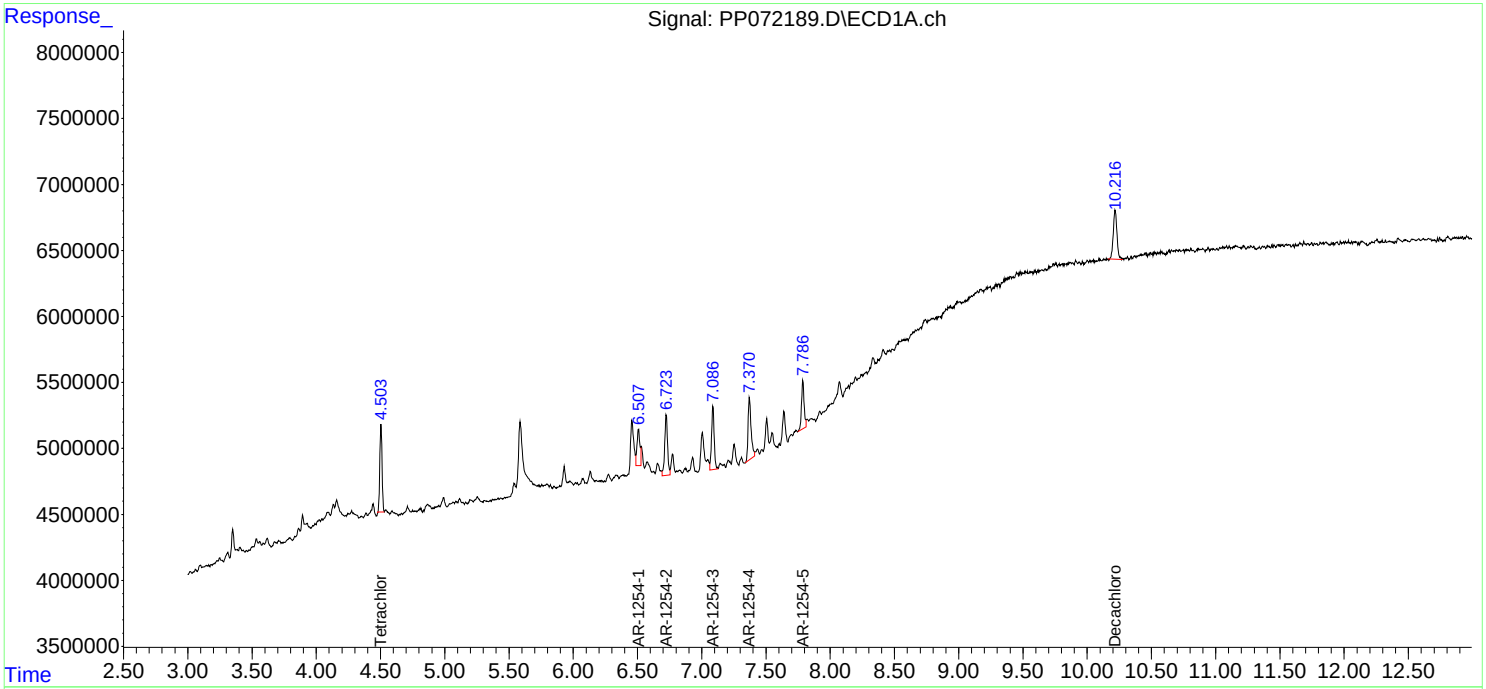
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

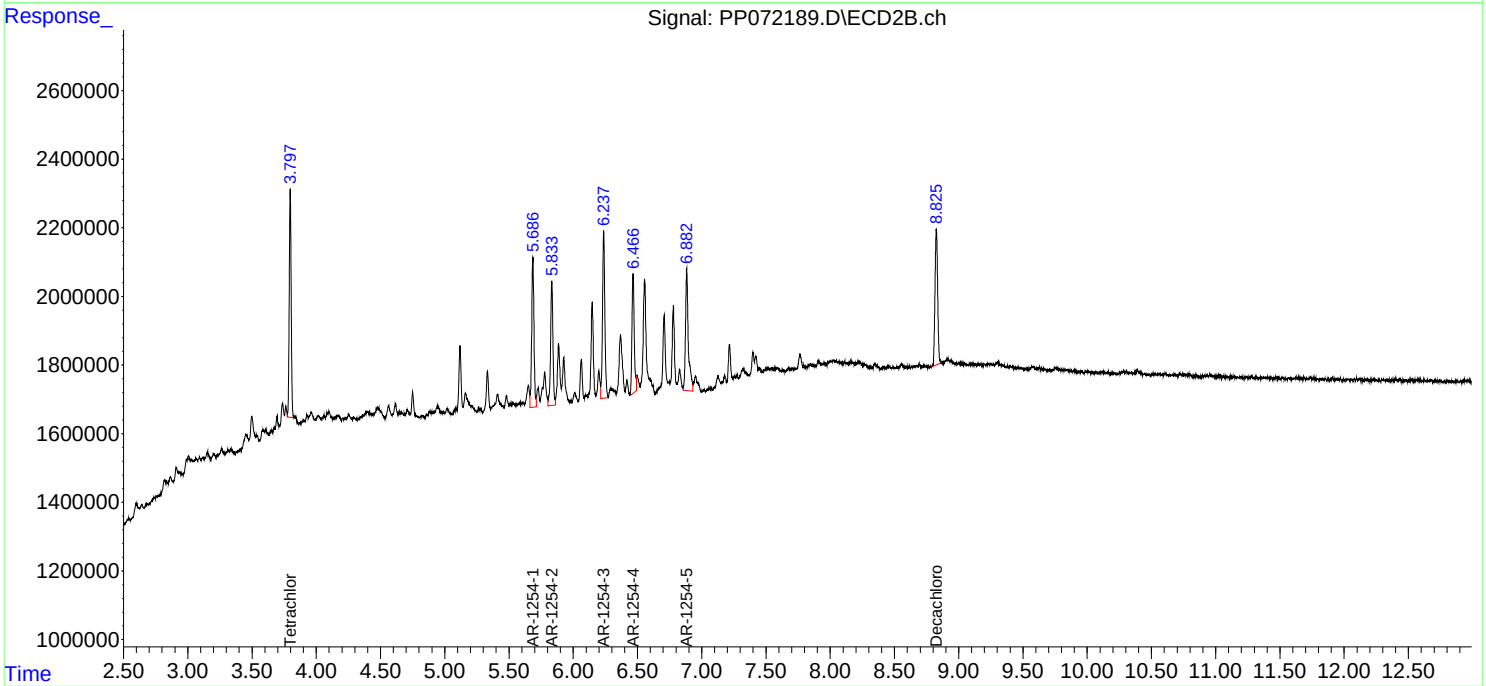
Manual Integrations APPROVED

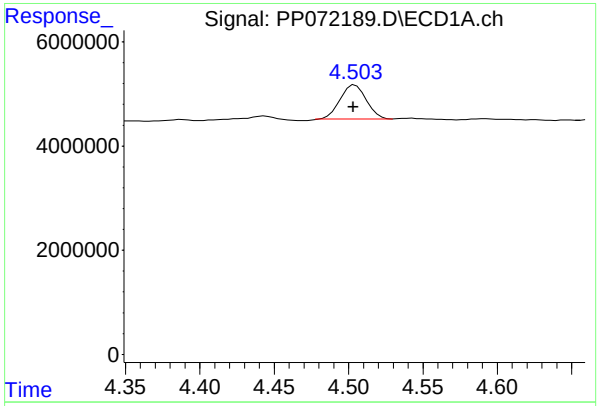
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







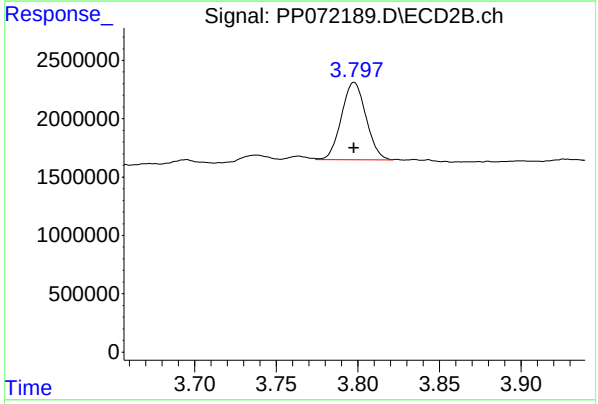
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.000 mi
Response: 8087682
Conc: 4.23 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

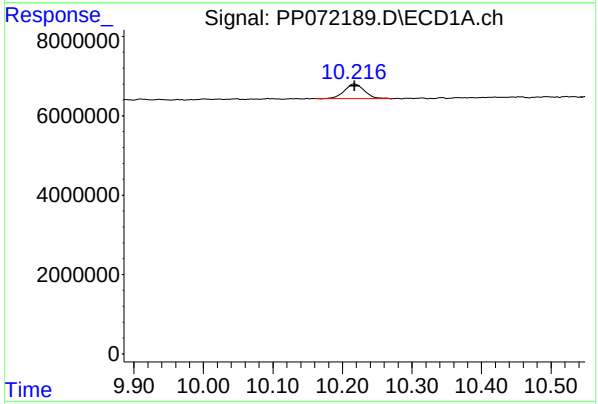
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



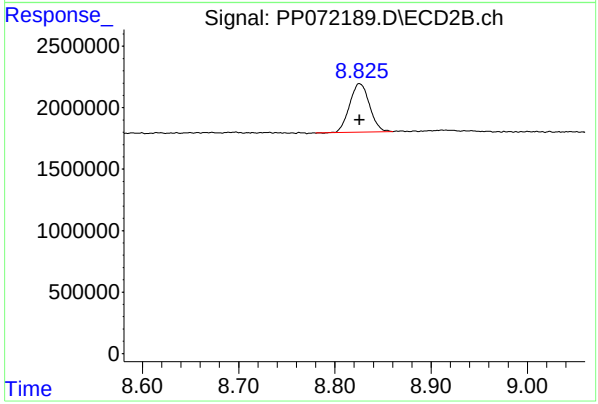
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 6971899
Conc: 4.33 ng/ml m



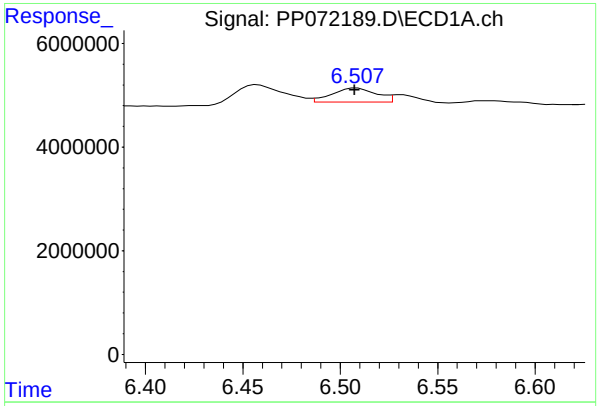
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 7375422
Conc: 4.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 5691115
Conc: 5.09 ng/ml



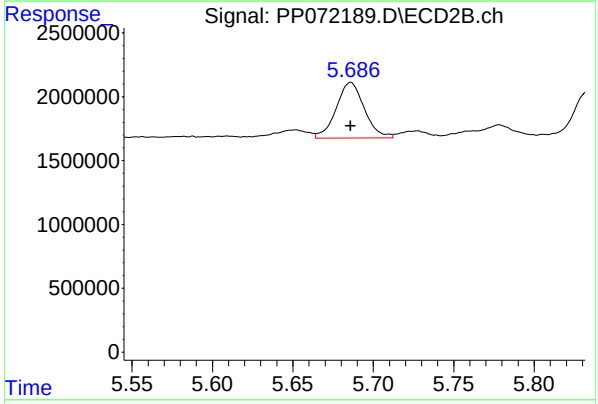
#26 AR-1254-1

R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 4441722
Conc: 51.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

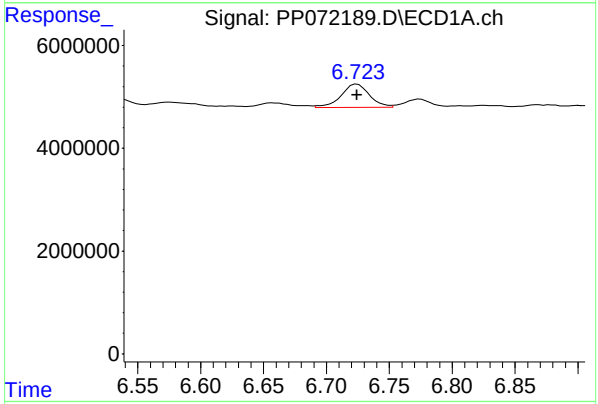
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



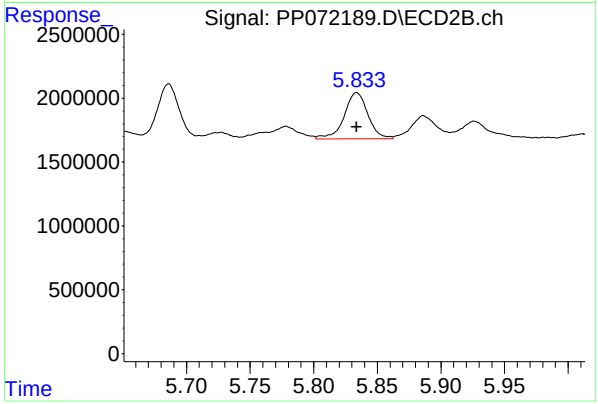
#26 AR-1254-1

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 5310413
Conc: 53.13 ng/ml



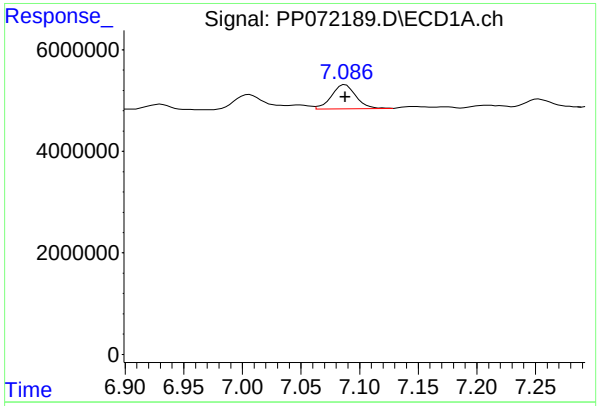
#27 AR-1254-2

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 7137094
Conc: 54.62 ng/ml



#27 AR-1254-2

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 4681467
Conc: 54.24 ng/ml



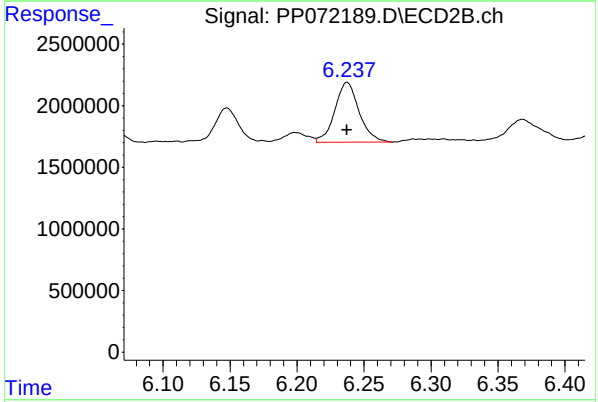
#28 AR-1254-3

R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 6855410
Conc: 51.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

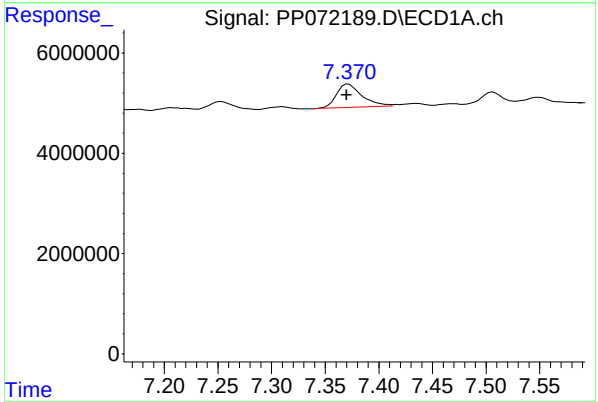
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



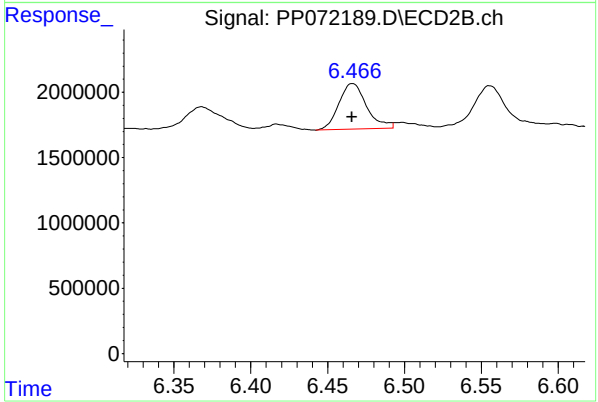
#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 6144757
Conc: 47.77 ng/ml



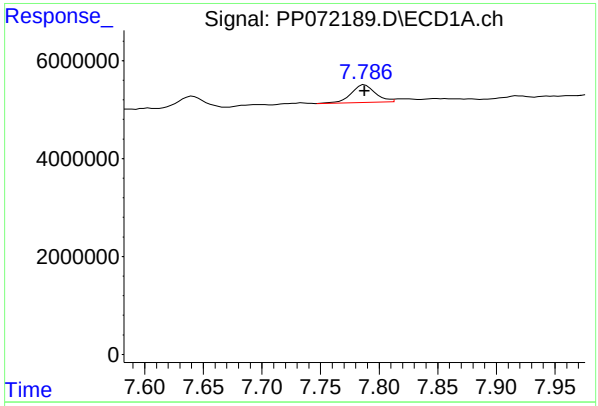
#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 7860526
Conc: 60.05 ng/ml m



#29 AR-1254-4

R.T.: 6.466 min
Delta R.T.: 0.000 min
Response: 4403320
Conc: 52.10 ng/ml m



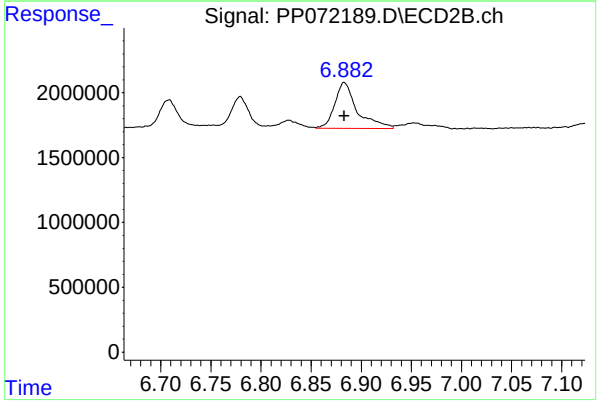
#30 AR-1254-5

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 5139236
Conc: 46.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 5522061
Conc: 48.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:51:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 02:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.798	91392014	72543788	50.000	50.000
2)	SA Decachlor...	10.218	8.826	79498650	53689400	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.088	6.920	66622555	56514187	500.000	500.000
37)	L8 AR-1262-2	8.408	7.179	136.2E6	48563462	500.000	500.000
38)	L8 AR-1262-3	8.724	7.703	92764853	40765600	500.000	500.000
39)	L8 AR-1262-4	8.809	7.767	67140472	70312088	500.000	500.000
40)	L8 AR-1262-5	9.464	8.267	46230270	32541912	500.000	500.000

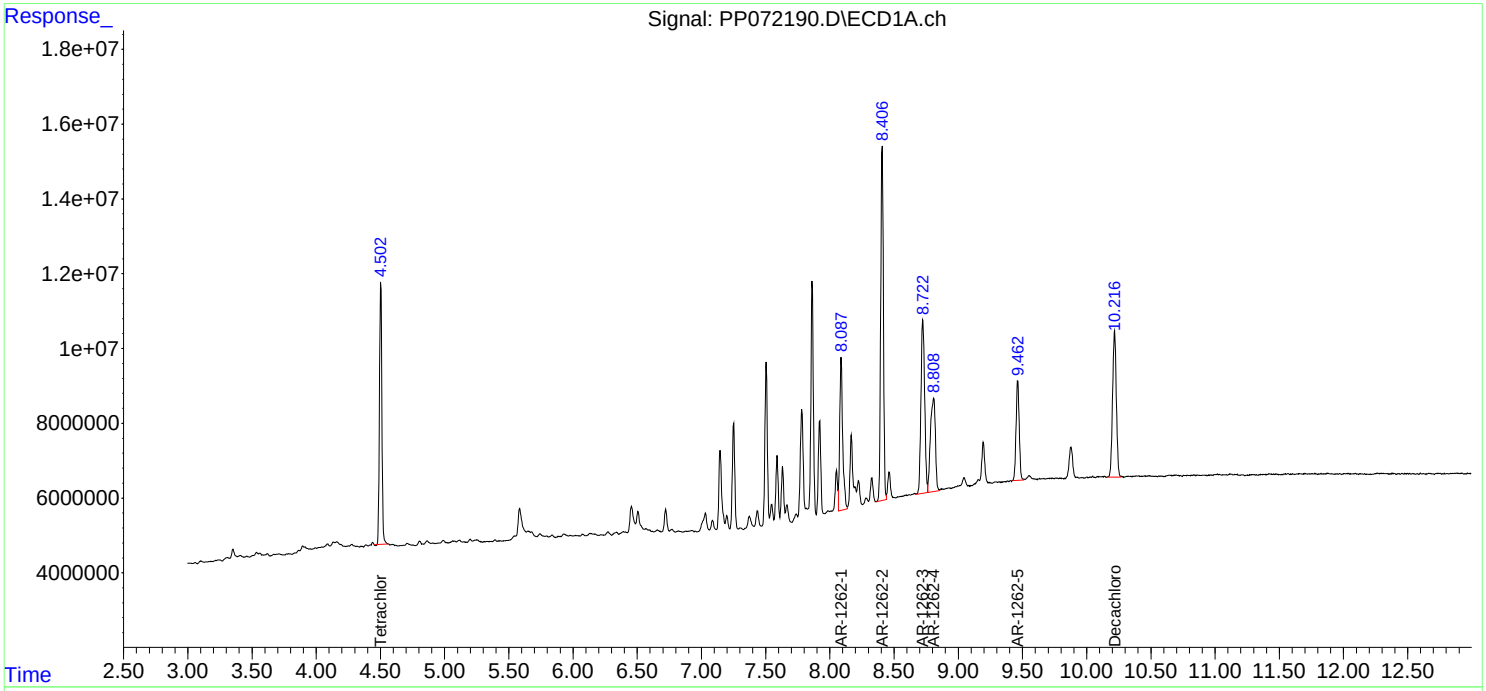
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

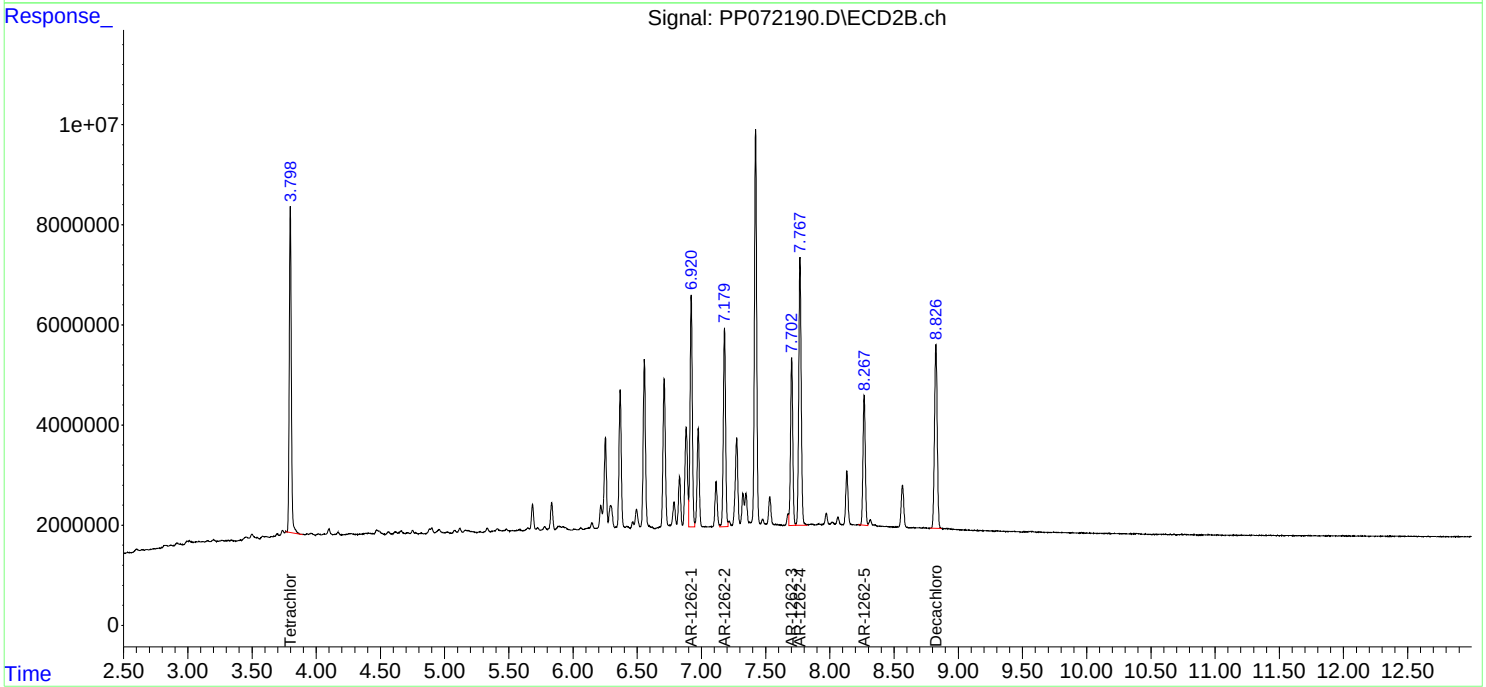
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

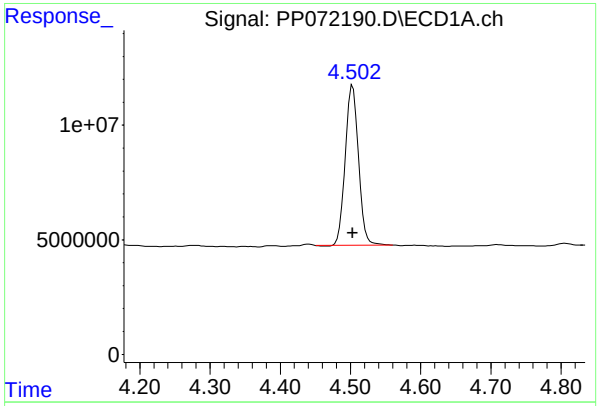
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:51:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 02:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



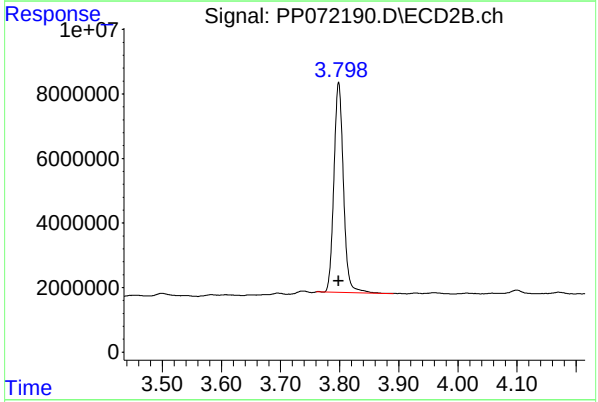




#1 Tetrachloro-m-xylene

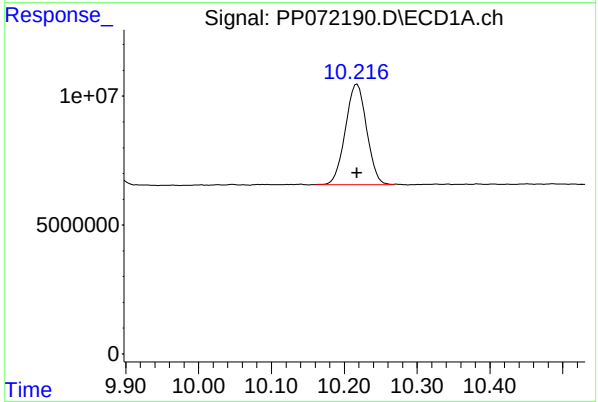
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 91392014
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



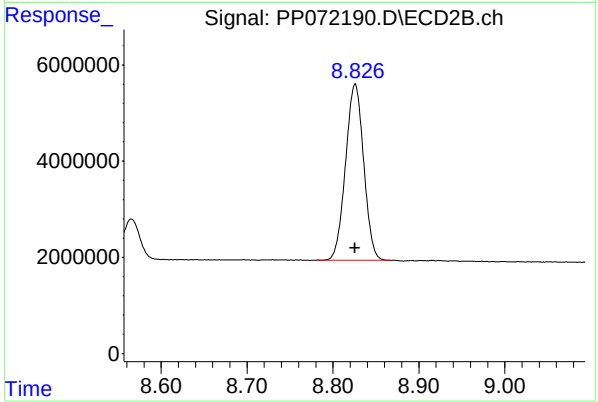
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 72543788
Conc: 50.00 ng/ml



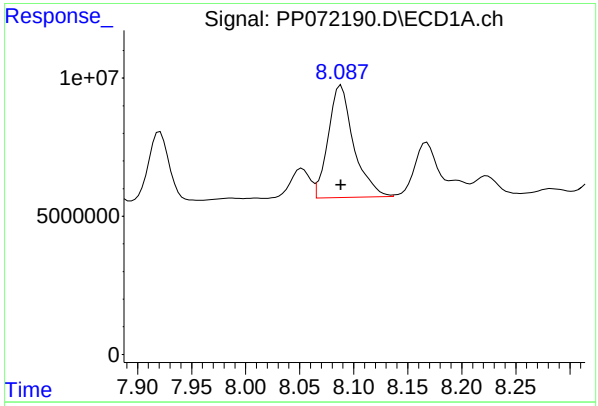
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 79498650
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

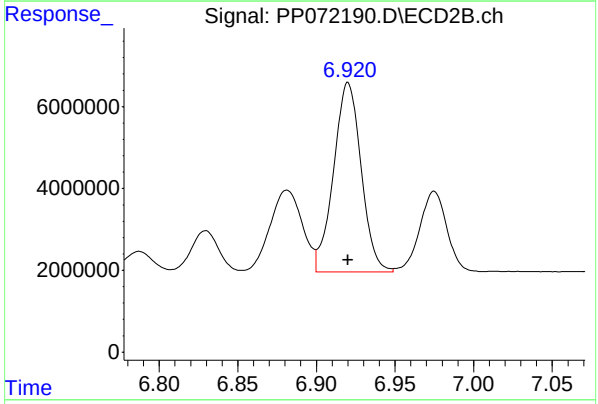
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 53689400
Conc: 50.00 ng/ml



#36 AR-1262-1

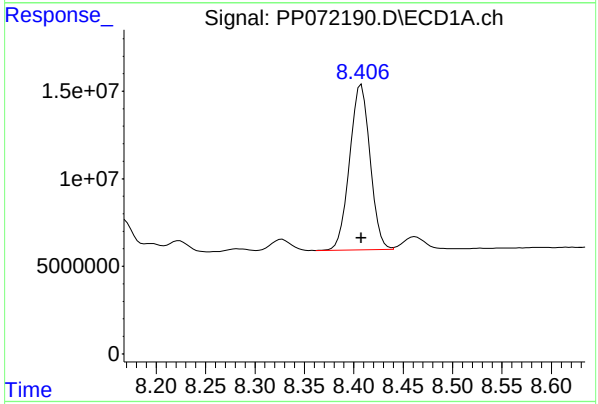
R.T.: 8.088 min
Delta R.T.: 0.000 min
Response: 66622555
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



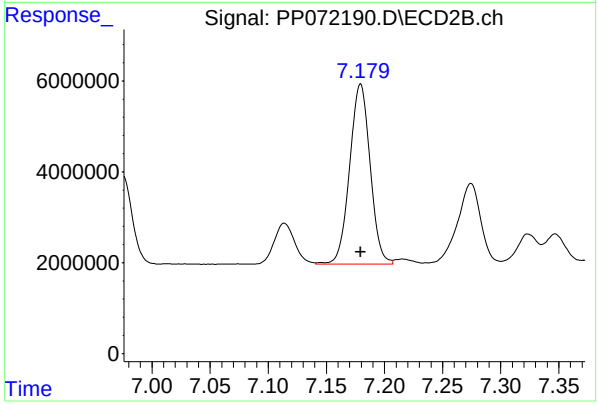
#36 AR-1262-1

R.T.: 6.920 min
Delta R.T.: 0.000 min
Response: 56514187
Conc: 500.00 ng/ml



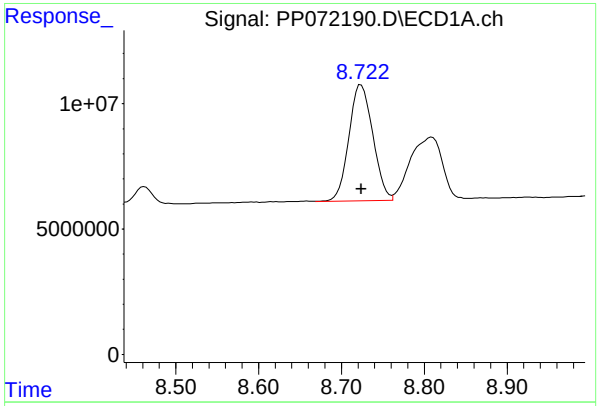
#37 AR-1262-2

R.T.: 8.408 min
Delta R.T.: 0.000 min
Response: 136192585
Conc: 500.00 ng/ml



#37 AR-1262-2

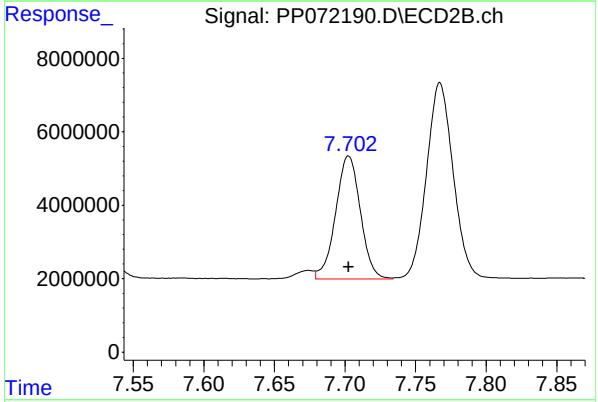
R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 48563462
Conc: 500.00 ng/ml



#38 AR-1262-3

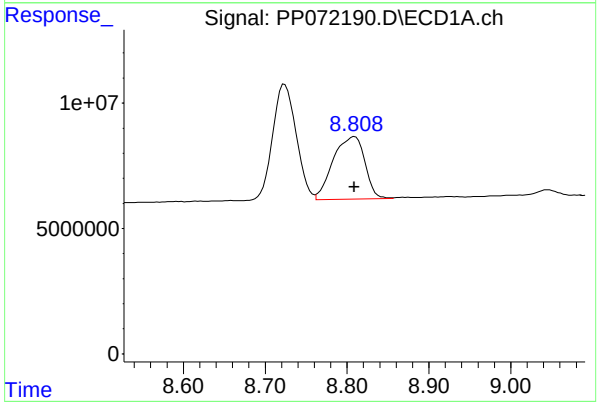
R.T.: 8.724 min
Delta R.T.: 0.000 min
Response: 92764853
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



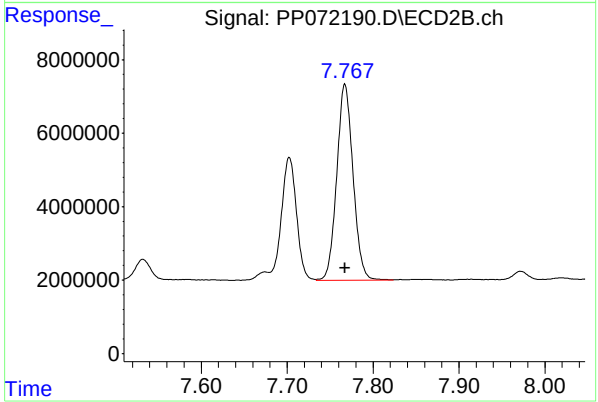
#38 AR-1262-3

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 40765600
Conc: 500.00 ng/ml



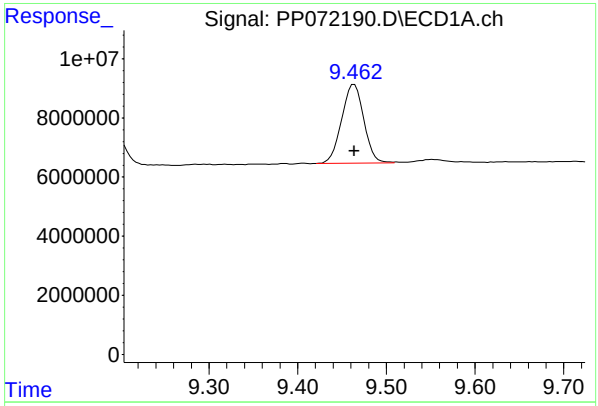
#39 AR-1262-4

R.T.: 8.809 min
Delta R.T.: 0.000 min
Response: 67140472
Conc: 500.00 ng/ml



#39 AR-1262-4

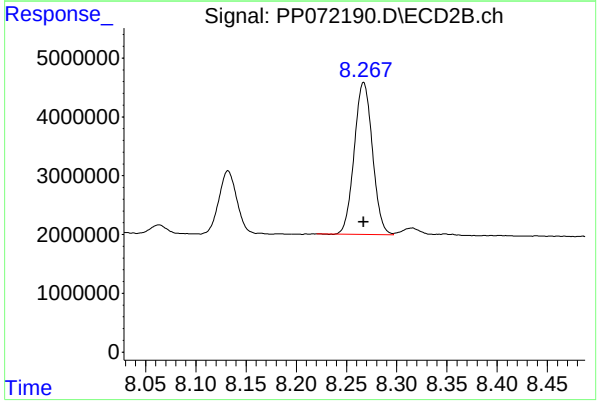
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 70312088
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.464 min
Delta R.T.: 0.000 min
Response: 46230270
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 32541912
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:20
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	185.0E6	158.2E6	92.680	95.879
2)	SA Decachlor...	10.215	8.825	273.4E6	175.4E6	93.047	92.198
	Target Compounds						
41)	L9 AR-1268-1	8.718	7.702	315.7E6	212.6E6	935.036	901.670
42)	L9 AR-1268-2	8.810	7.768	265.9E6	188.5E6	932.233	904.684
43)	L9 AR-1268-3	9.041	7.971	228.0E6	155.2E6	921.986	888.508
44)	L9 AR-1268-4	9.460	8.265	101.4E6	67370219	939.092	900.009
45)	L9 AR-1268-5	9.876	8.565	651.5E6	431.1E6	948.441	943.171

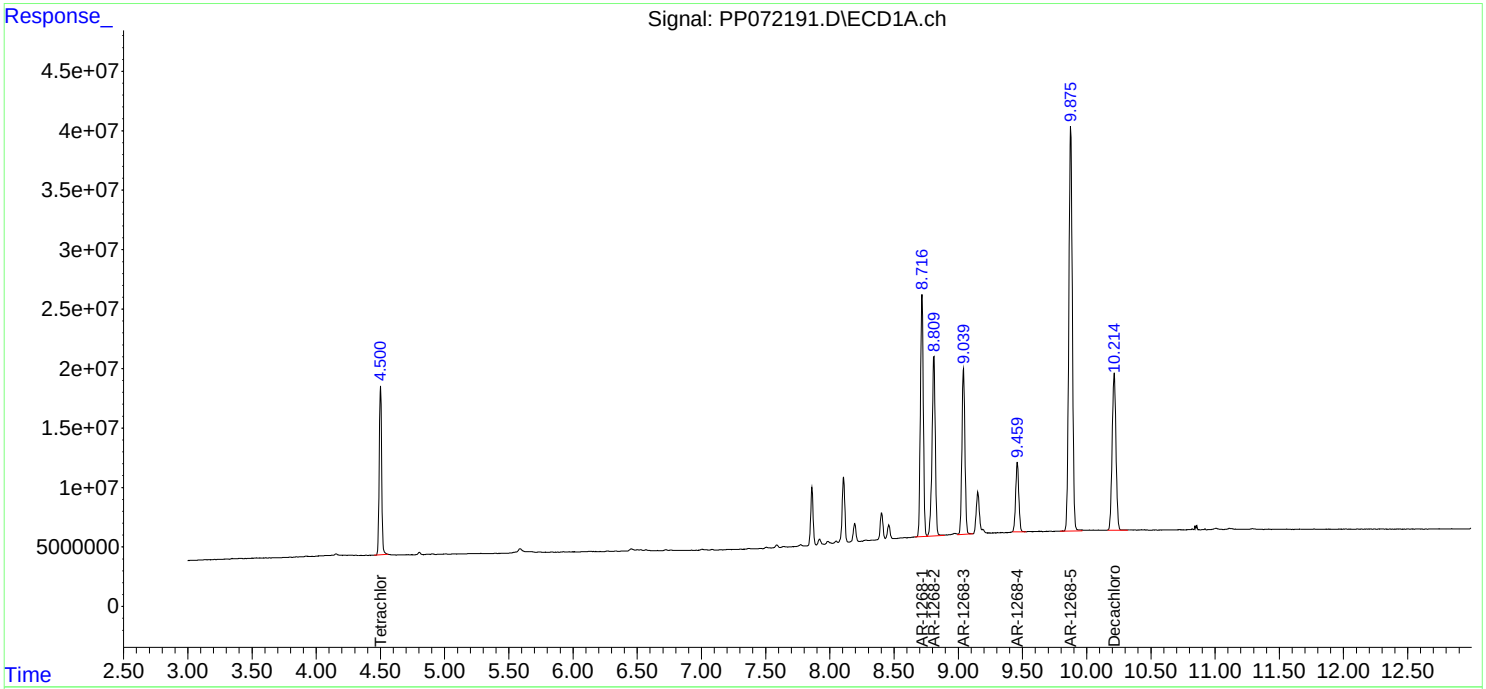
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

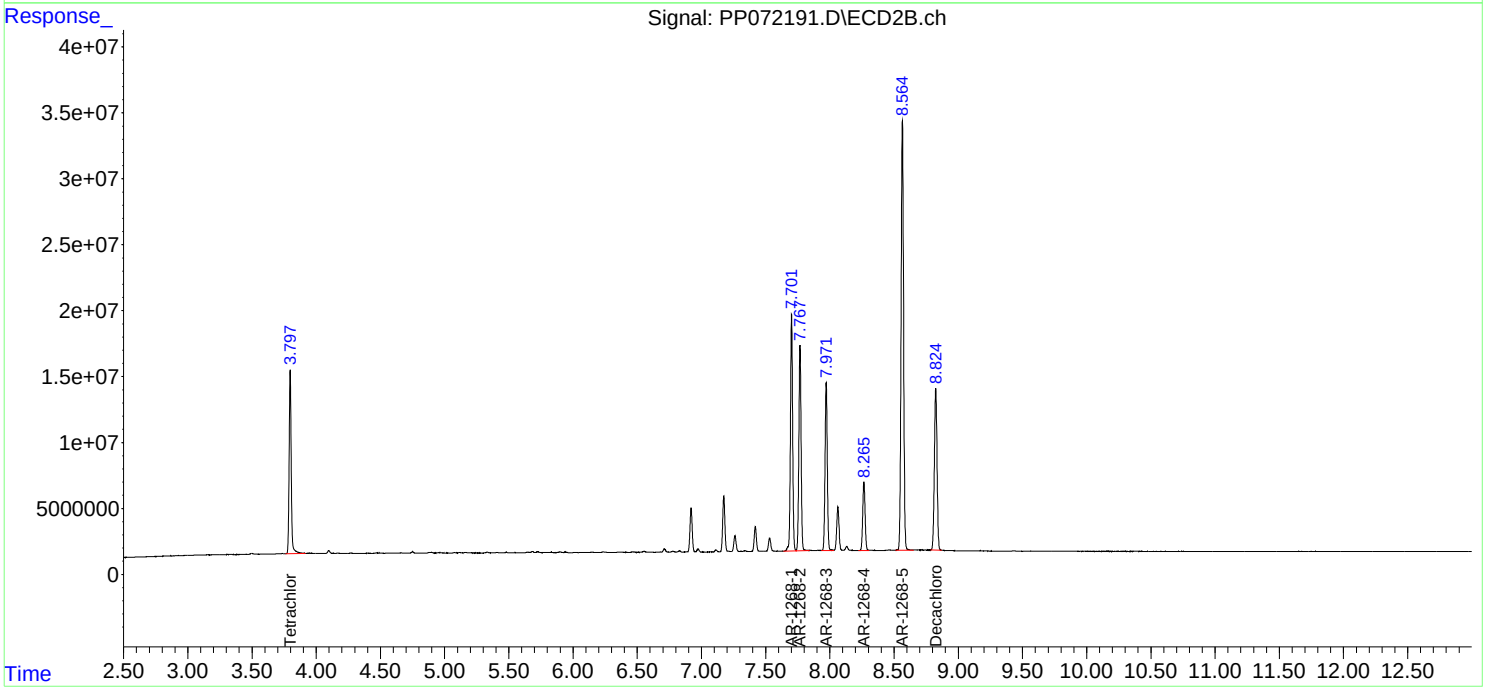
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:20
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

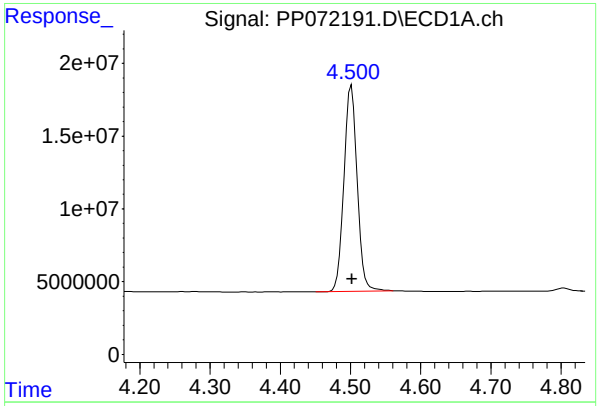
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



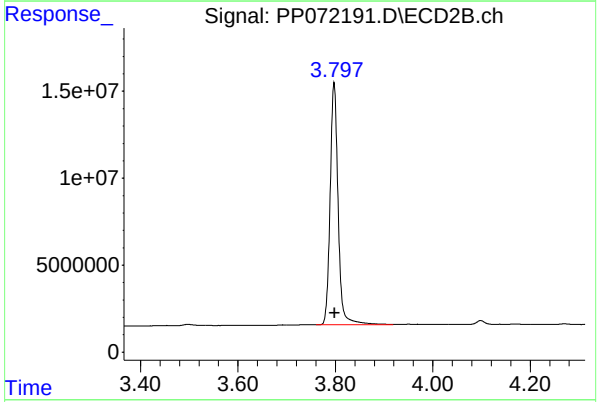




#1 Tetrachloro-m-xylene

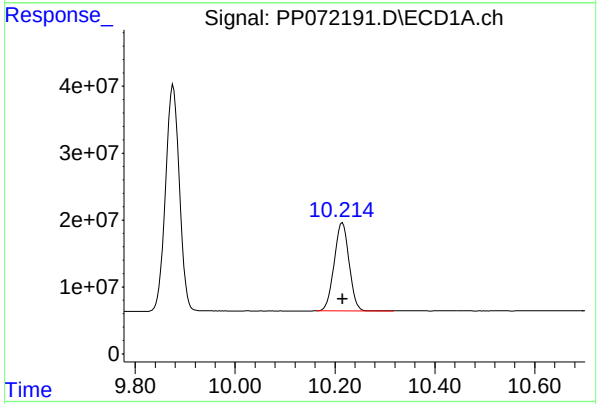
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 184961800
Conc: 92.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



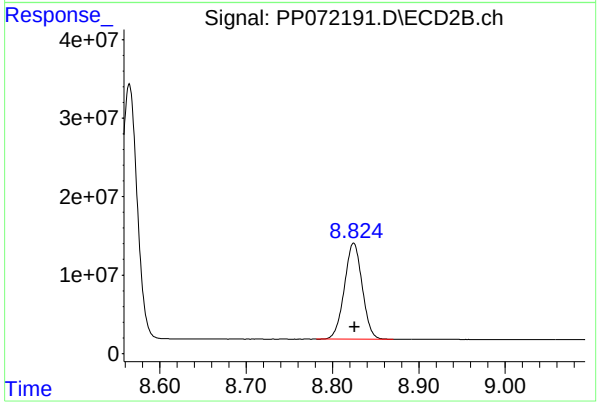
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.001 min
Response: 158165839
Conc: 95.88 ng/ml



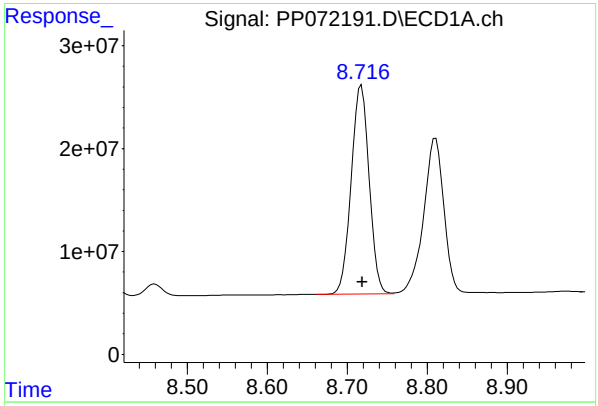
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 273368545
Conc: 93.05 ng/ml



#2 Decachlorobiphenyl

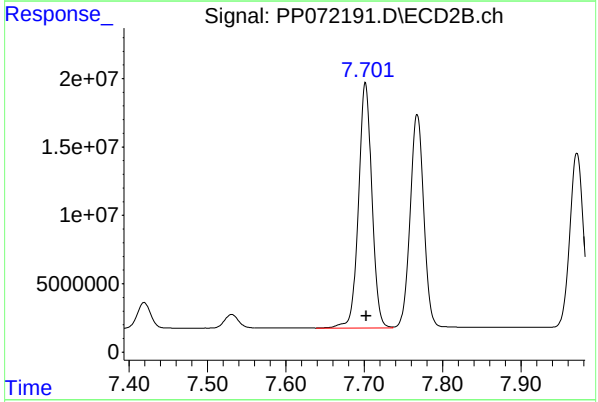
R.T.: 8.825 min
Delta R.T.: -0.001 min
Response: 175397326
Conc: 92.20 ng/ml



#41 AR-1268-1

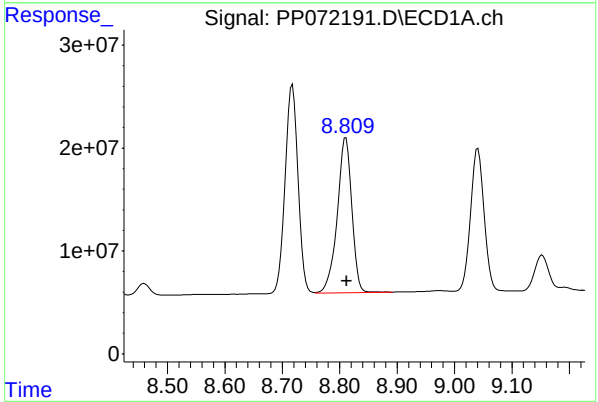
R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 315692357
Conc: 935.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



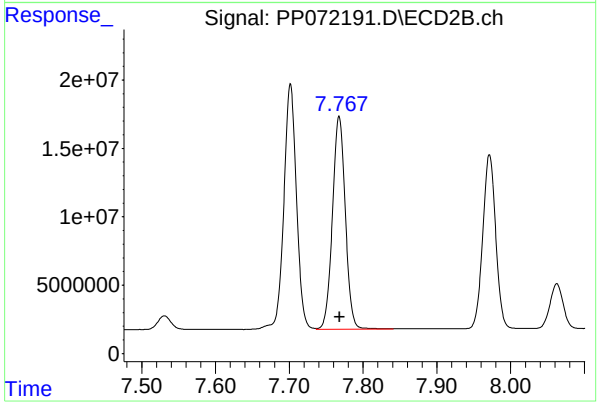
#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: -0.001 min
Response: 212587803
Conc: 901.67 ng/ml



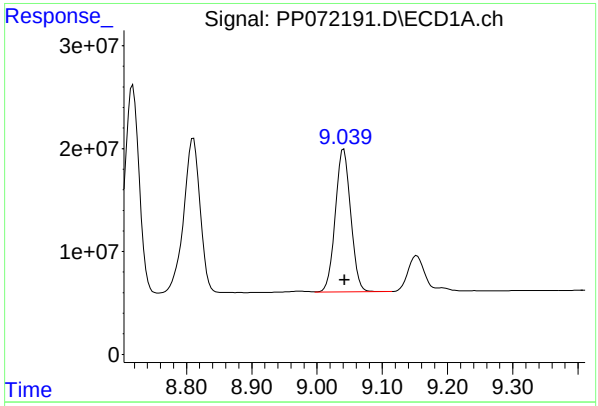
#42 AR-1268-2

R.T.: 8.810 min
Delta R.T.: -0.001 min
Response: 265886956
Conc: 932.23 ng/ml



#42 AR-1268-2

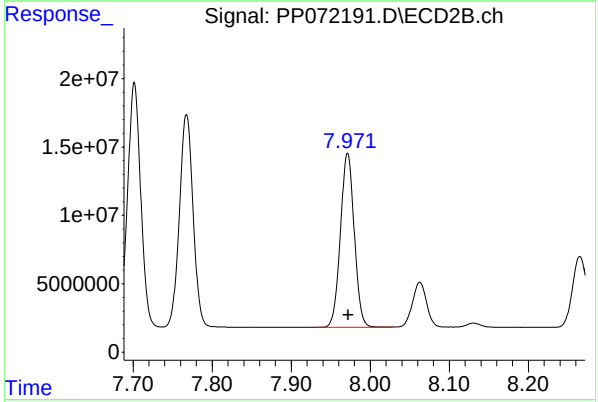
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 188526781
Conc: 904.68 ng/ml



#43 AR-1268-3

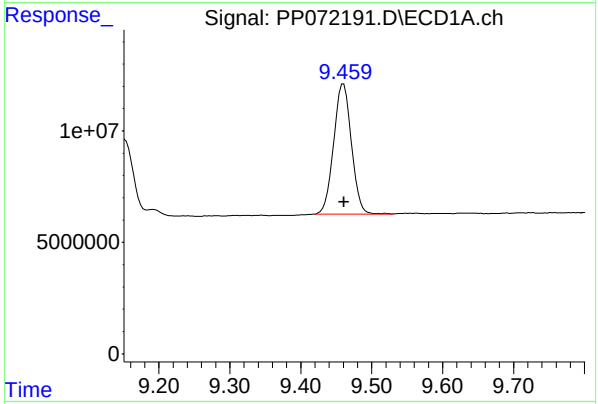
R.T.: 9.041 min
Delta R.T.: -0.001 min
Response: 227961300
Conc: 921.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



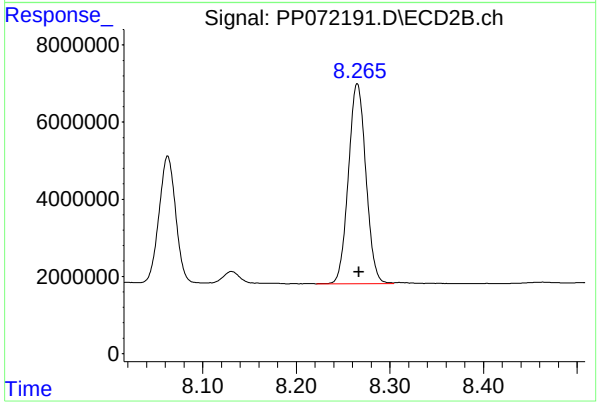
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 155195263
Conc: 888.51 ng/ml



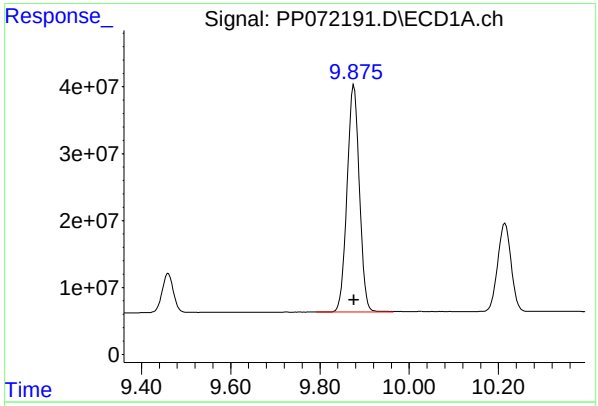
#44 AR-1268-4

R.T.: 9.460 min
Delta R.T.: 0.000 min
Response: 101392203
Conc: 939.09 ng/ml



#44 AR-1268-4

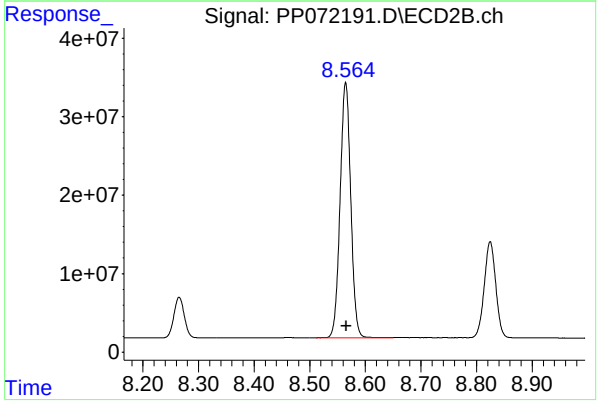
R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 67370219
Conc: 900.01 ng/ml



#45 AR-1268-5

R.T.: 9.876 min
Delta R.T.: 0.000 mi
Response: 651541042
Conc: 948.44 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 431064337
Conc: 943.17 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.506	3.799	142.5E6	120.3E6	71.406	72.929
2)	SA Decachlor...	10.220	8.826	211.2E6	136.5E6	71.876	71.762
	Target Compounds						
41)	L9 AR-1268-1	8.722	7.704	242.2E6	166.8E6	717.436	707.258
42)	L9 AR-1268-2	8.815	7.770	204.3E6	147.7E6	716.226	708.741
43)	L9 AR-1268-3	9.047	7.973	176.3E6	120.8E6	713.088	691.459
44)	L9 AR-1268-4	9.464	8.267	78574325	53264333	727.753	711.566
45)	L9 AR-1268-5	9.880	8.568	500.4E6	332.1E6	728.402	726.669

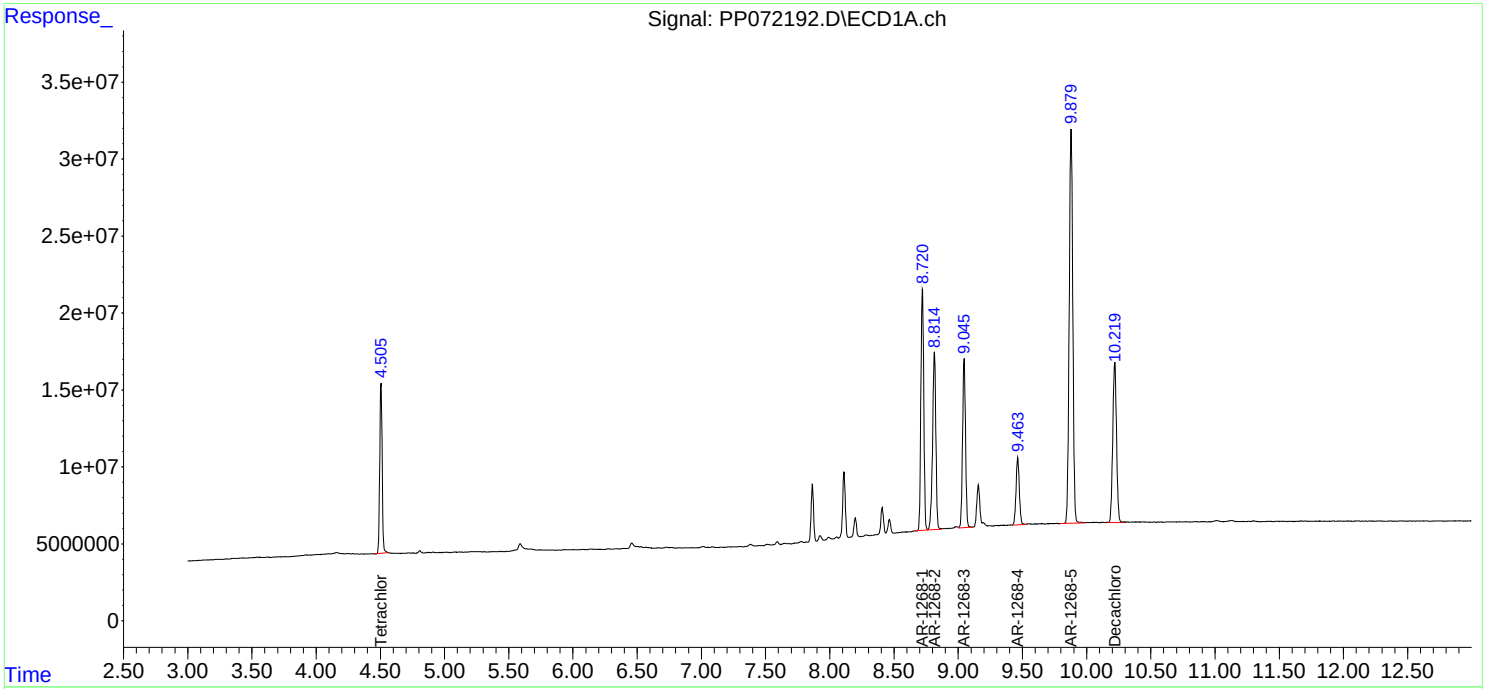
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

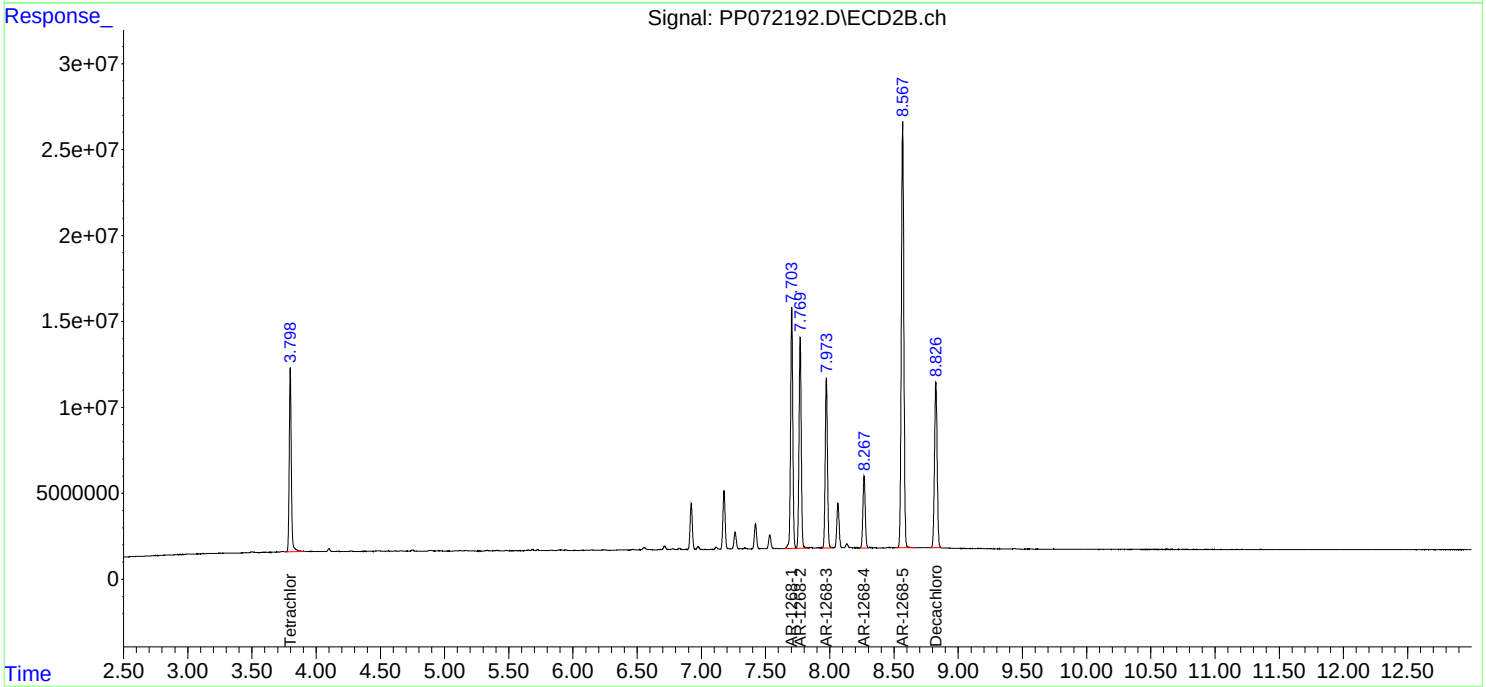
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

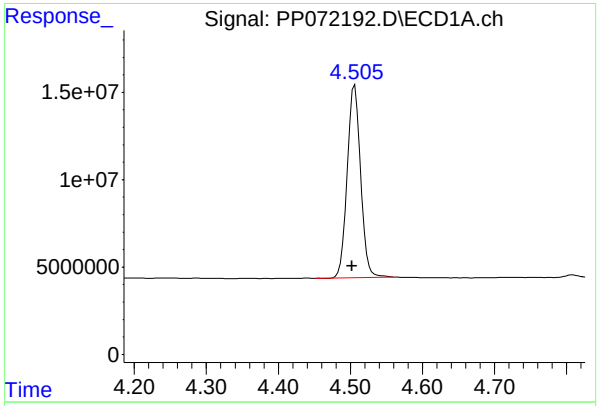
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



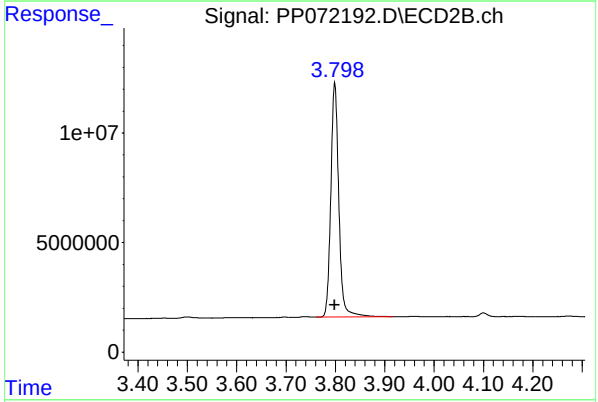




#1 Tetrachloro-m-xylene

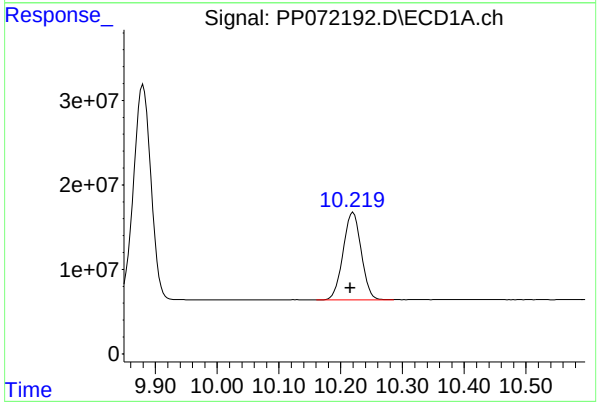
R.T.: 4.506 min
Delta R.T.: 0.004 min
Response: 142504902
Conc: 71.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



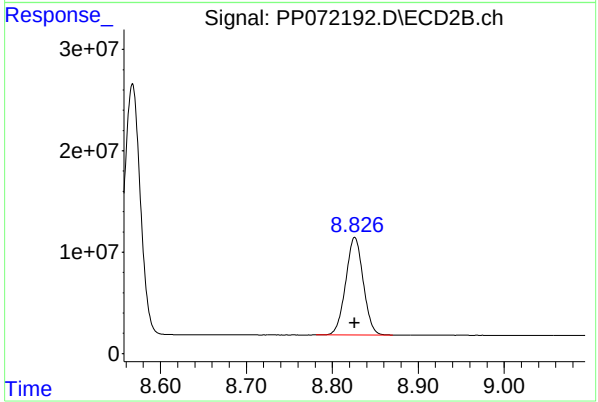
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 120307124
Conc: 72.93 ng/ml



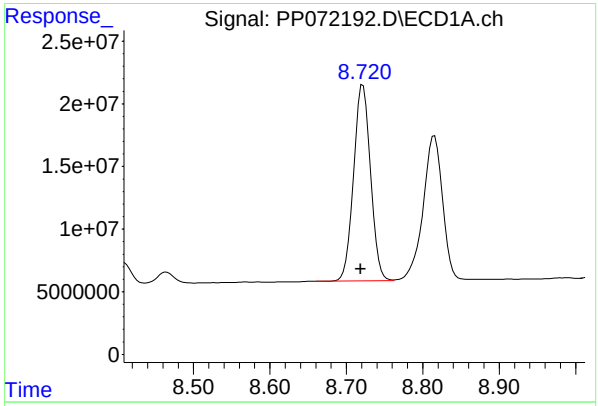
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.005 min
Response: 211169941
Conc: 71.88 ng/ml



#2 Decachlorobiphenyl

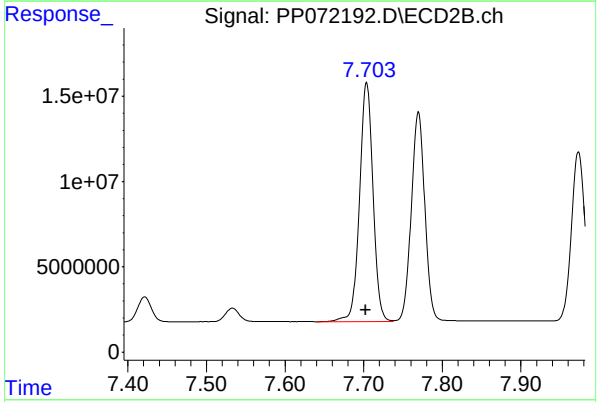
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 136520834
Conc: 71.76 ng/ml



#41 AR-1268-1

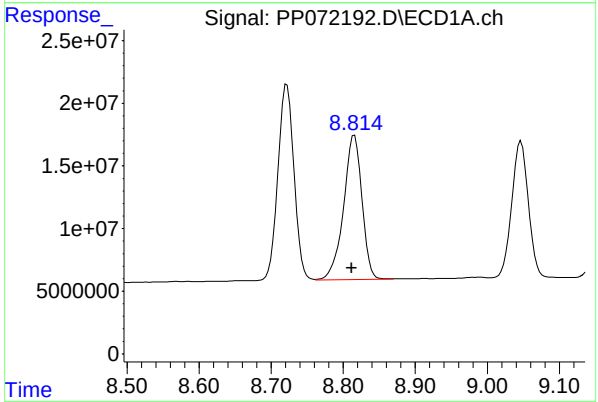
R.T.: 8.722 min
Delta R.T.: 0.003 min
Response: 242225120
Conc: 717.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



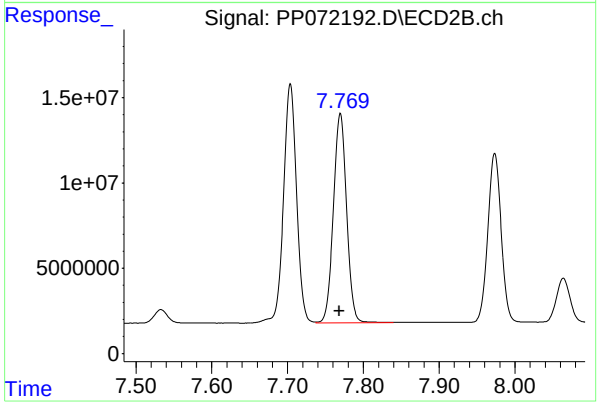
#41 AR-1268-1

R.T.: 7.704 min
Delta R.T.: 0.001 min
Response: 166751127
Conc: 707.26 ng/ml



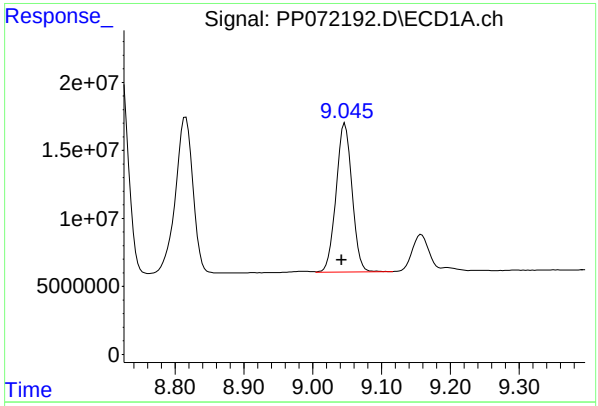
#42 AR-1268-2

R.T.: 8.815 min
Delta R.T.: 0.004 min
Response: 204278488
Conc: 716.23 ng/ml



#42 AR-1268-2

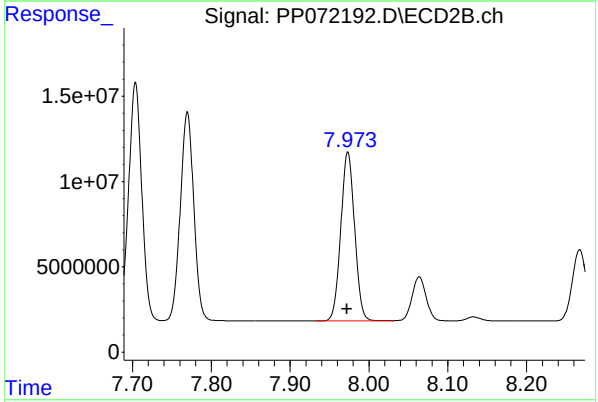
R.T.: 7.770 min
Delta R.T.: 0.001 min
Response: 147694337
Conc: 708.74 ng/ml



#43 AR-1268-3

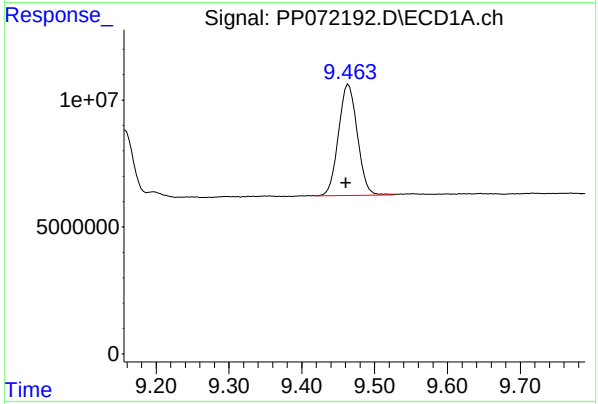
R.T.: 9.047 min
Delta R.T.: 0.005 min
Response: 176311244
Conc: 713.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



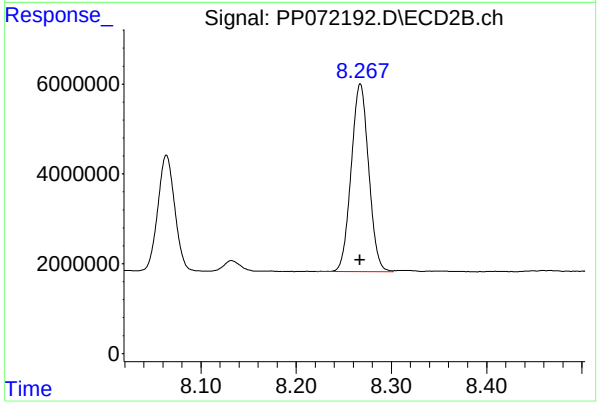
#43 AR-1268-3

R.T.: 7.973 min
Delta R.T.: 0.001 min
Response: 120776777
Conc: 691.46 ng/ml



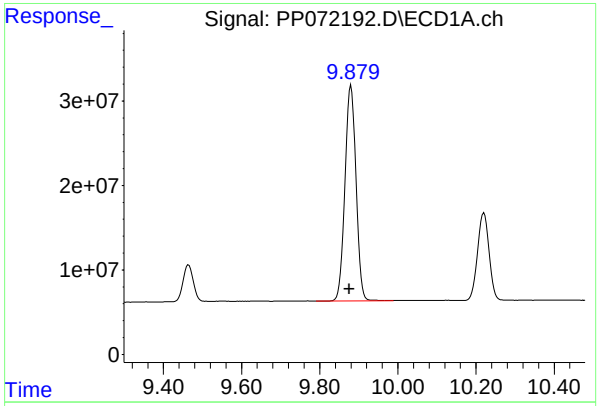
#44 AR-1268-4

R.T.: 9.464 min
Delta R.T.: 0.004 min
Response: 78574325
Conc: 727.75 ng/ml



#44 AR-1268-4

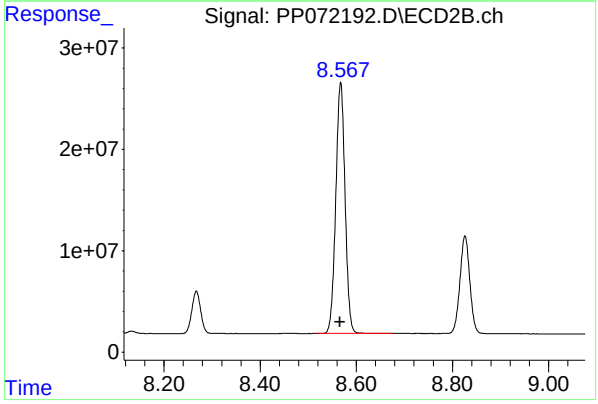
R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 53264333
Conc: 711.57 ng/ml



#45 AR-1268-5

R.T.: 9.880 min
Delta R.T.: 0.004 min
Response: 500382806
Conc: 728.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.568 min
Delta R.T.: 0.001 min
Response: 332114967
Conc: 726.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.799	99784961	82481825	50.000	50.000
2)	SA Decachlor...	10.215	8.826	146.9E6	95120098	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.719	7.703	168.8E6	117.9E6	500.000	500.000
42)	L9 AR-1268-2	8.812	7.769	142.6E6	104.2E6	500.000	500.000
43)	L9 AR-1268-3	9.042	7.972	123.6E6	87334730	500.000	500.000
44)	L9 AR-1268-4	9.461	8.267	53984174	37427536	500.000	500.000
45)	L9 AR-1268-5	9.876	8.566	343.5E6	228.5E6	500.000	500.000

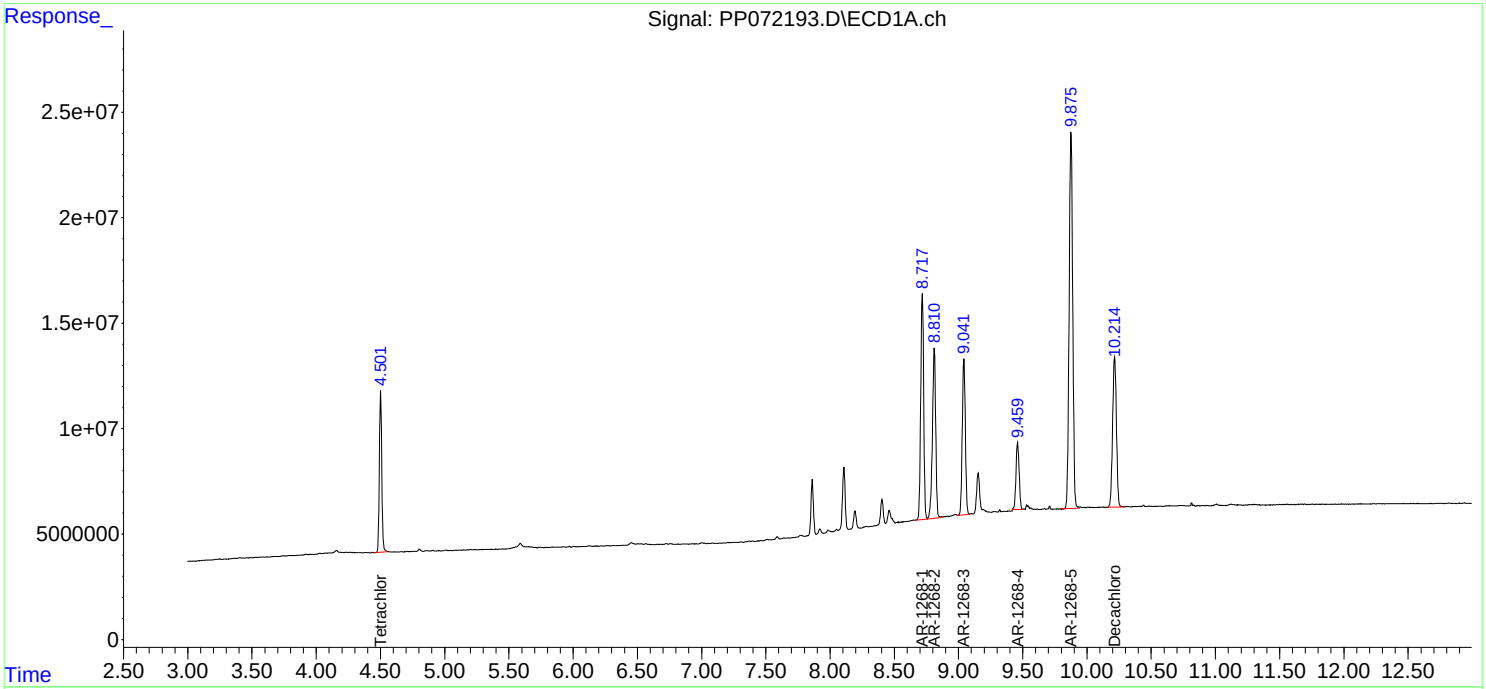
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

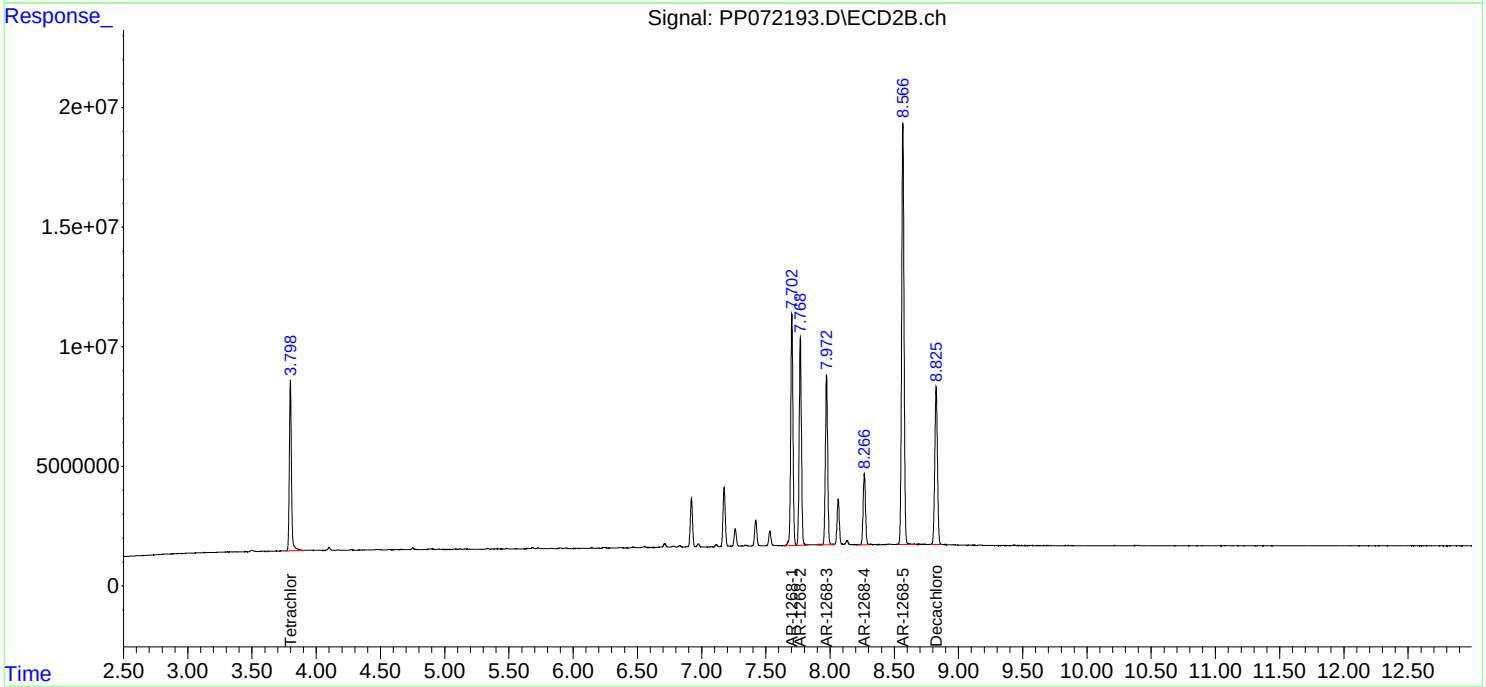
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

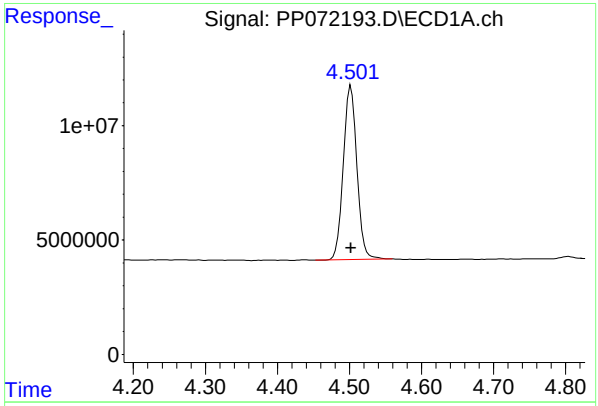
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



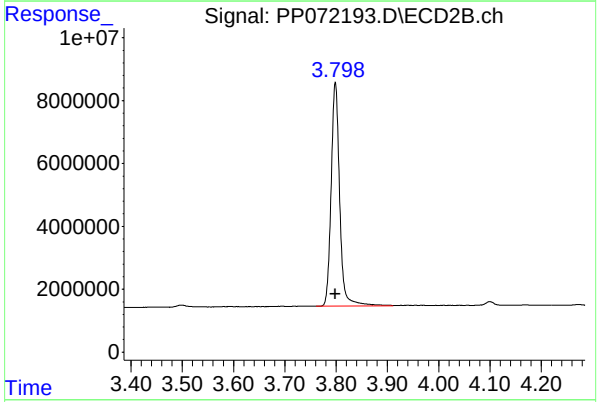




#1 Tetrachloro-m-xylene

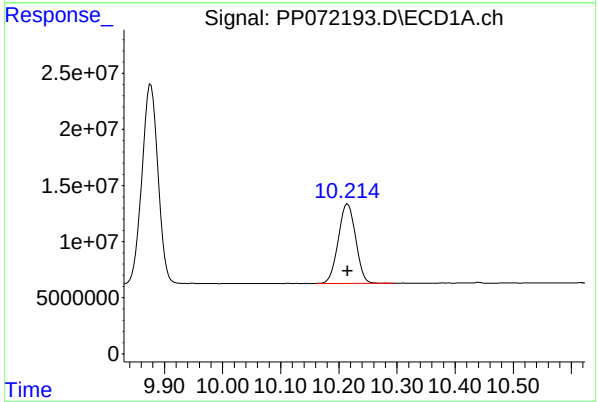
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 99784961
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



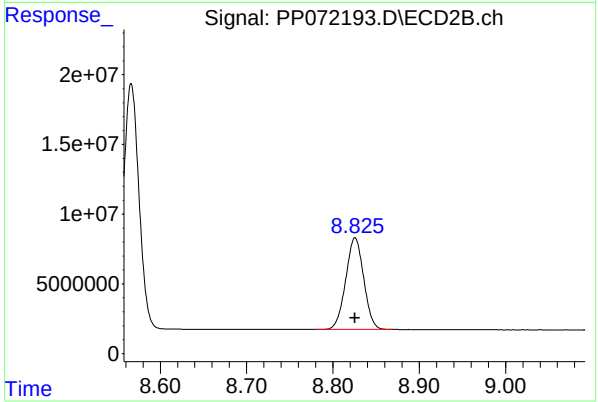
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 82481825
Conc: 50.00 ng/ml



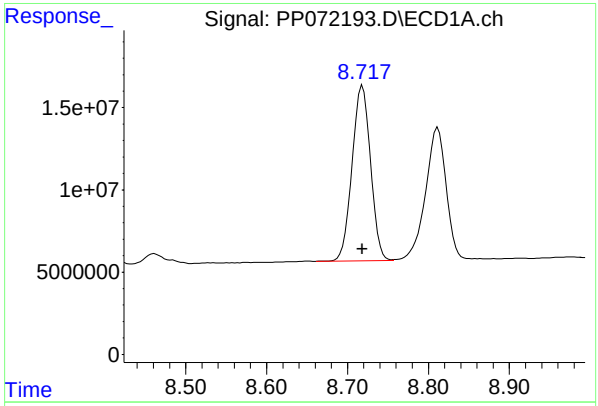
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 146898335
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

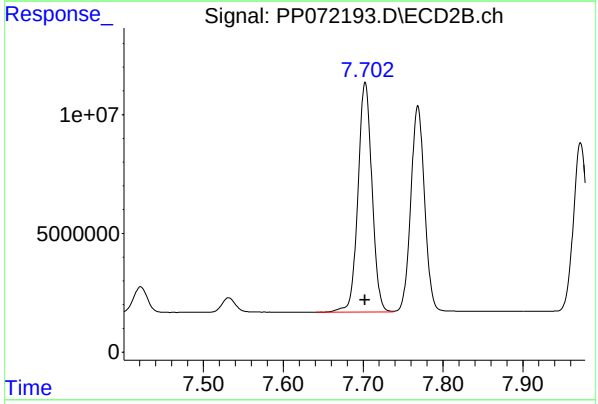
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 95120098
Conc: 50.00 ng/ml



#41 AR-1268-1

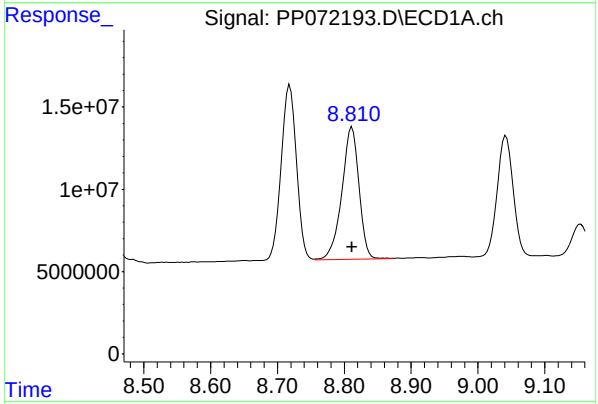
R.T.: 8.719 min
Delta R.T.: 0.000 min
Response: 168813008
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



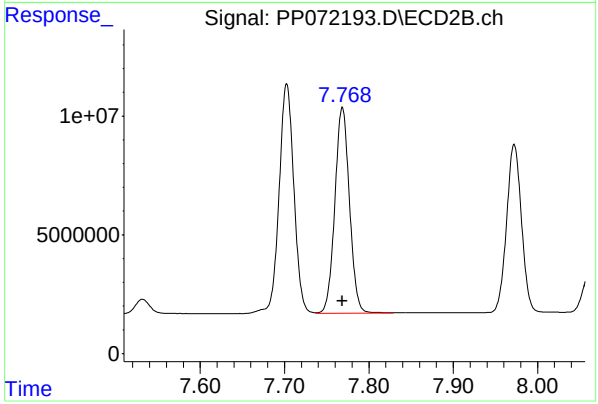
#41 AR-1268-1

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 117885627
Conc: 500.00 ng/ml



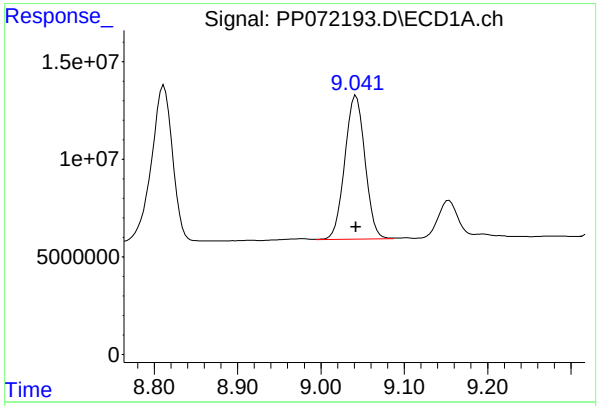
#42 AR-1268-2

R.T.: 8.812 min
Delta R.T.: 0.000 min
Response: 142607566
Conc: 500.00 ng/ml



#42 AR-1268-2

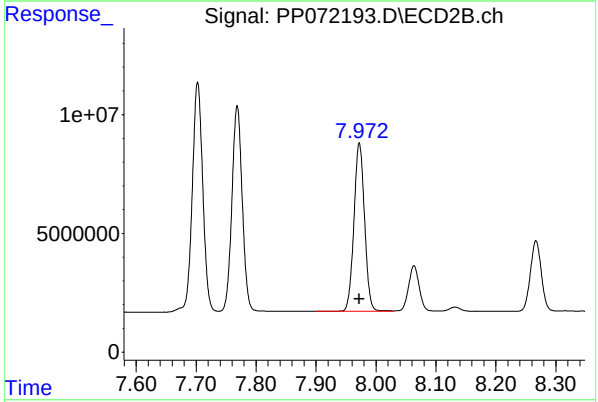
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 104194841
Conc: 500.00 ng/ml



#43 AR-1268-3

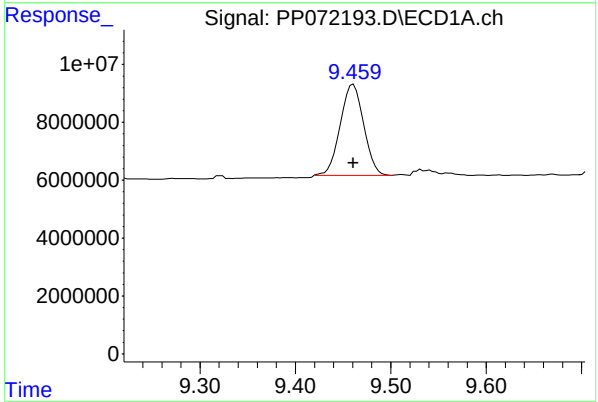
R.T.: 9.042 min
Delta R.T.: 0.000 min
Response: 123625088
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



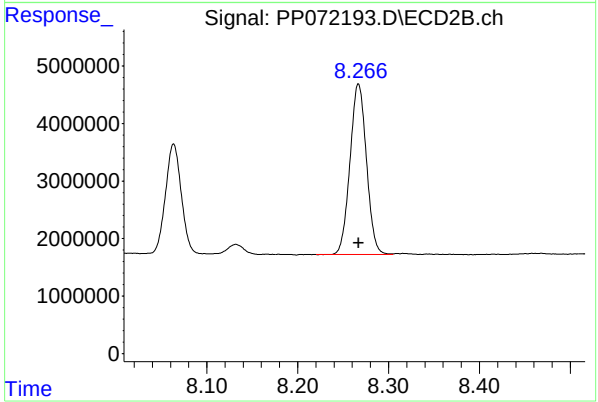
#43 AR-1268-3

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 87334730
Conc: 500.00 ng/ml



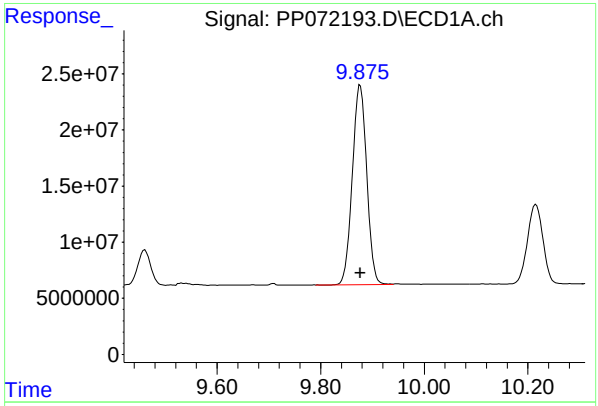
#44 AR-1268-4

R.T.: 9.461 min
Delta R.T.: 0.000 min
Response: 53984174
Conc: 500.00 ng/ml



#44 AR-1268-4

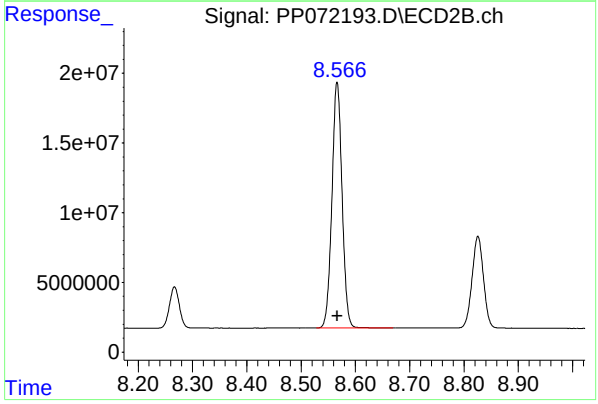
R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 37427536
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 343480020
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 228518609
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:09
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	51365767	41558561	25.738	25.193
2)	SA Decachlor...	10.214	8.824	75968459	49150807	25.857	25.836
	Target Compounds						
41)	L9 AR-1268-1	8.717	7.702	87839198	60916157	260.167	258.370
42)	L9 AR-1268-2	8.811	7.767	74121995	54415434	259.881	261.123
43)	L9 AR-1268-3	9.040	7.971	63936897	44168578	258.592	252.869
44)	L9 AR-1268-4	9.459	8.265	27090074	19140648	250.908	255.703
45)	L9 AR-1268-5	9.875	8.565	176.6E6	115.4E6	257.058	252.589

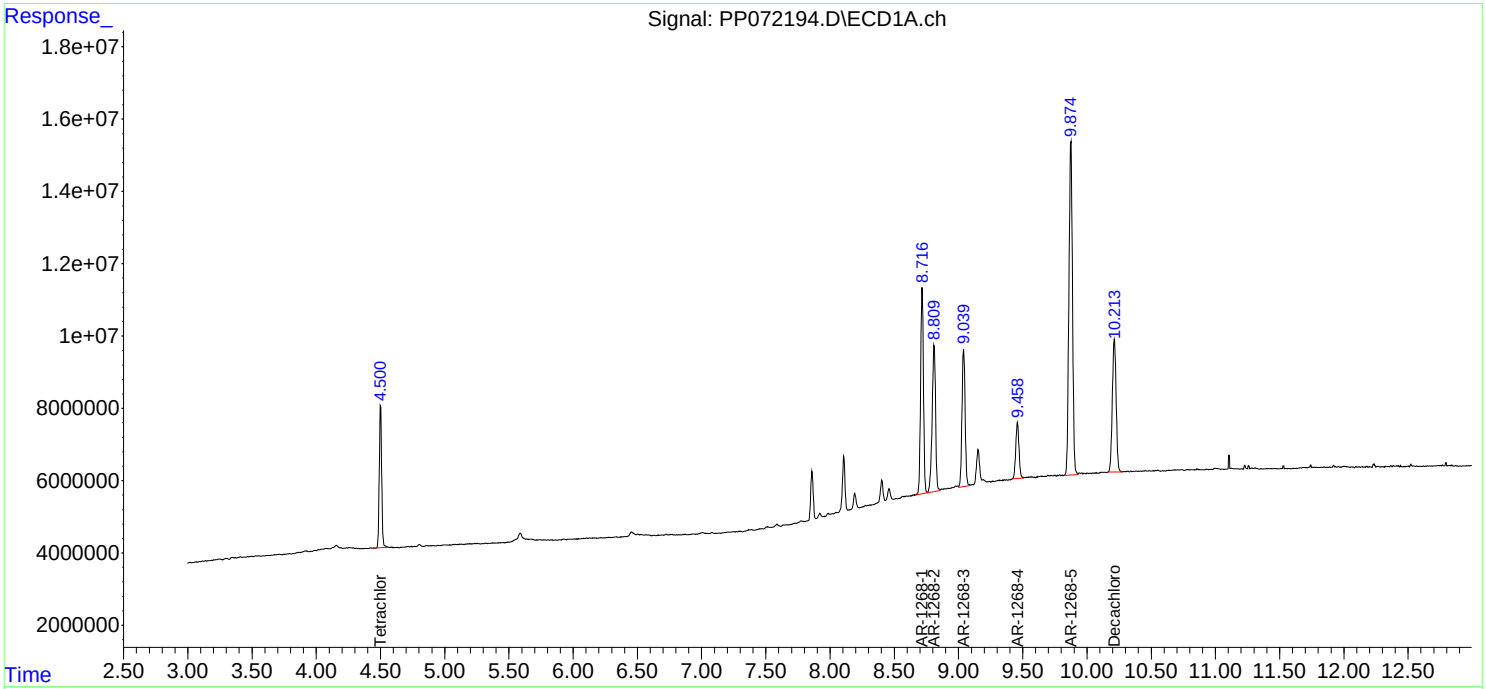
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

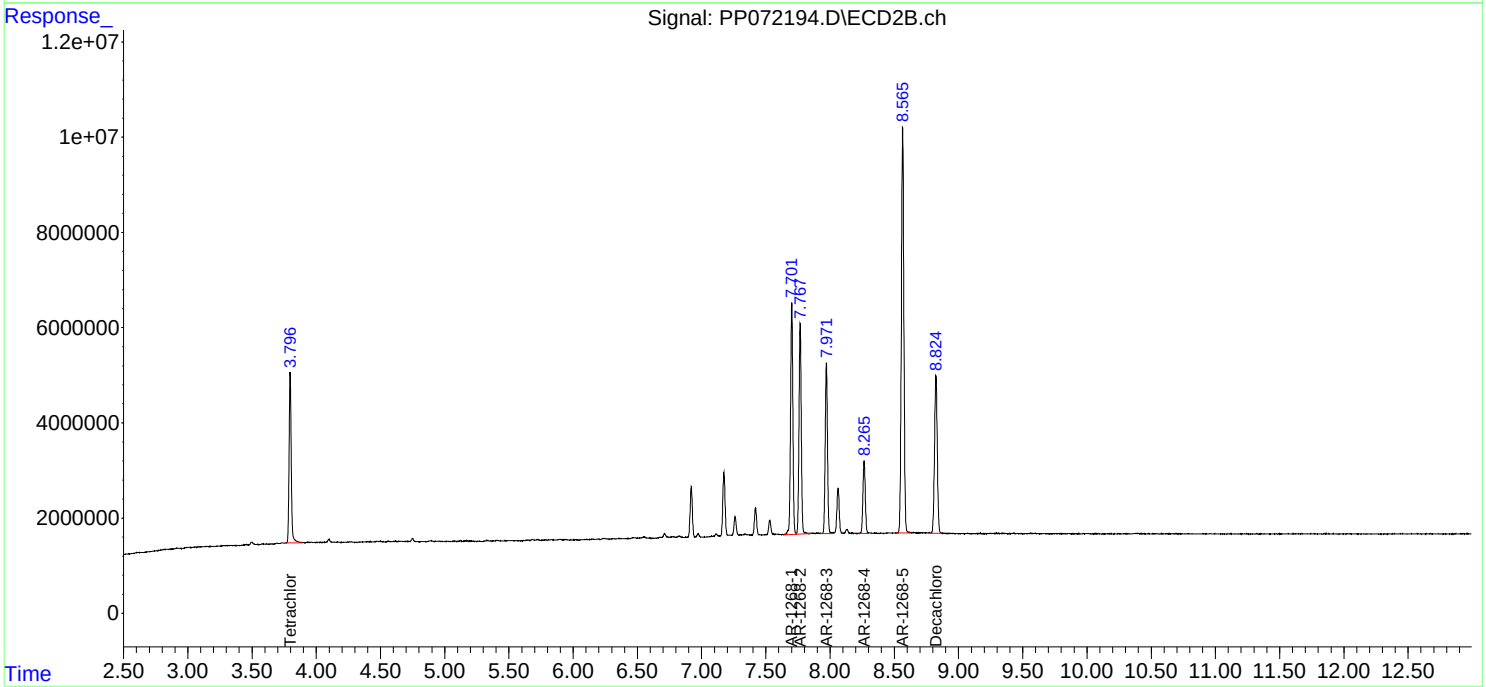
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:09
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

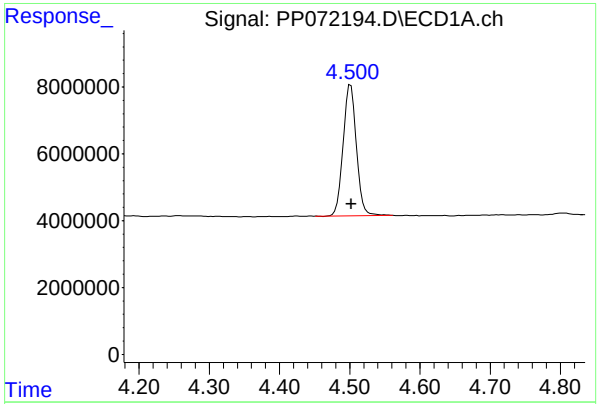
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



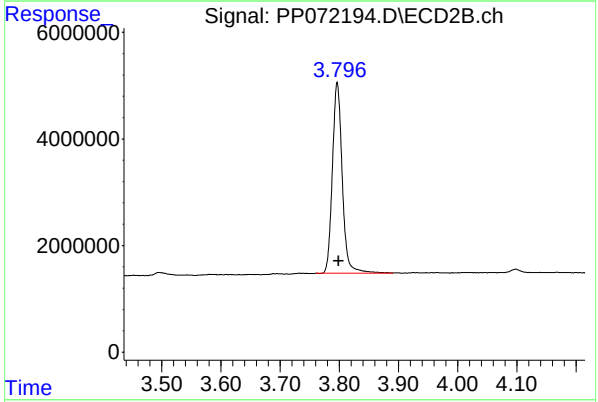




#1 Tetrachloro-m-xylene

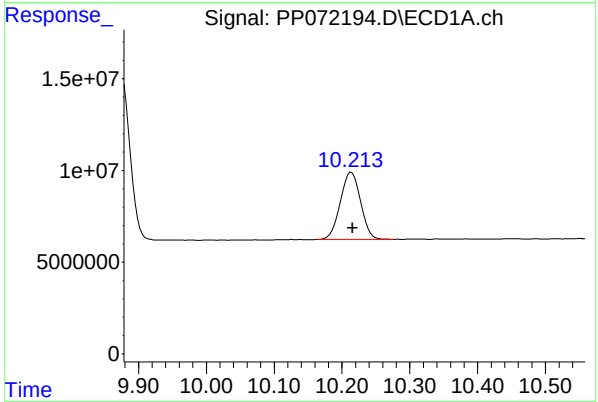
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 51365767
Conc: 25.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



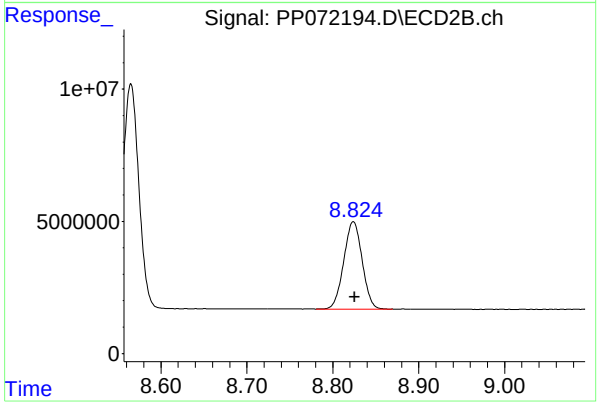
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.002 min
Response: 41558561
Conc: 25.19 ng/ml



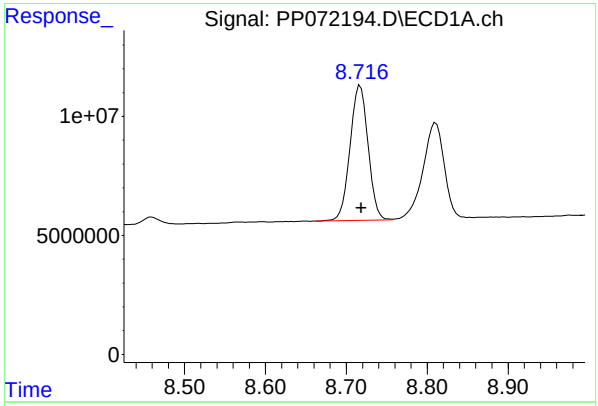
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.001 min
Response: 75968459
Conc: 25.86 ng/ml



#2 Decachlorobiphenyl

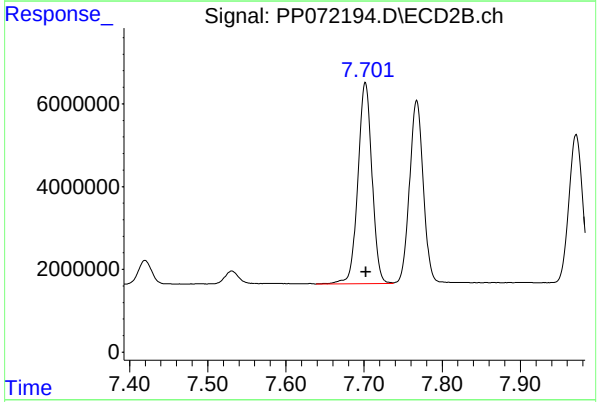
R.T.: 8.824 min
Delta R.T.: -0.002 min
Response: 49150807
Conc: 25.84 ng/ml



#41 AR-1268-1

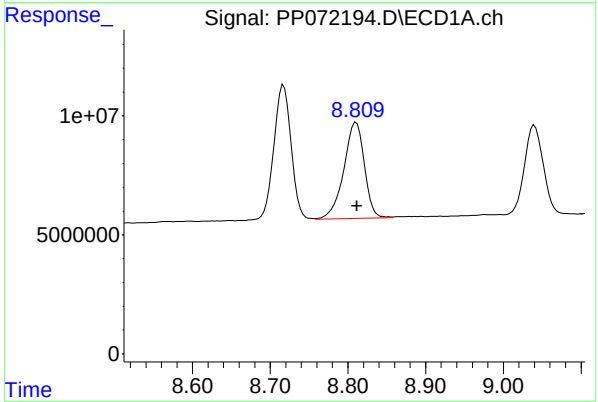
R.T.: 8.717 min
Delta R.T.: -0.001 min
Response: 87839198
Conc: 260.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



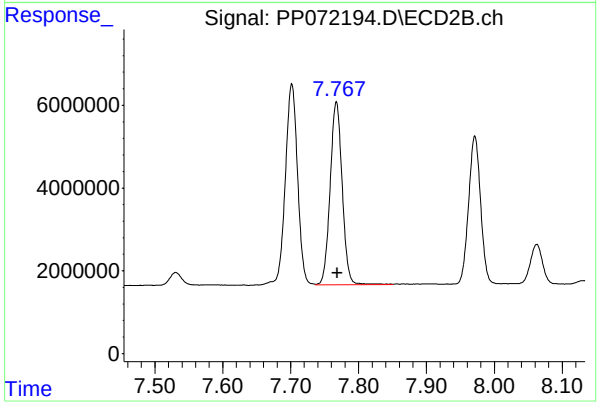
#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 60916157
Conc: 258.37 ng/ml



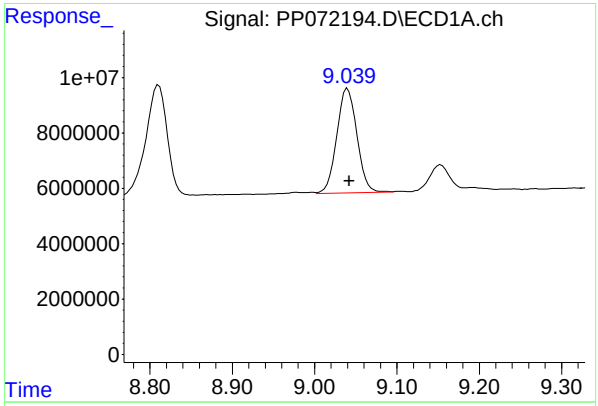
#42 AR-1268-2

R.T.: 8.811 min
Delta R.T.: 0.000 min
Response: 74121995
Conc: 259.88 ng/ml



#42 AR-1268-2

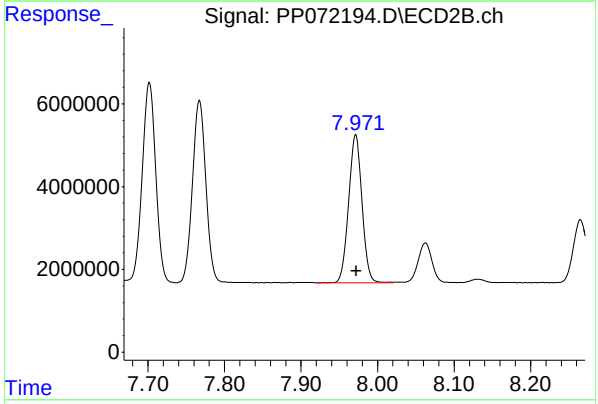
R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 54415434
Conc: 261.12 ng/ml



#43 AR-1268-3

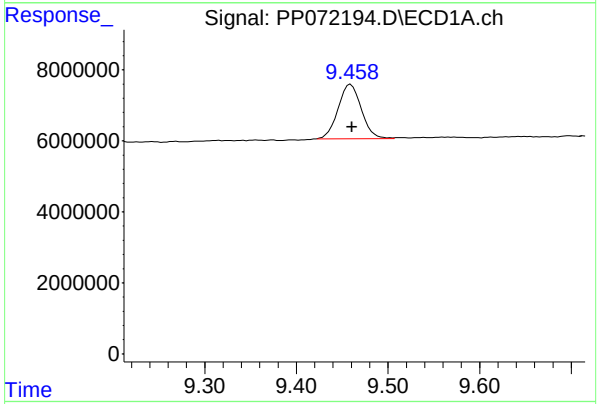
R.T.: 9.040 min
Delta R.T.: -0.002 min
Response: 63936897
Conc: 258.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



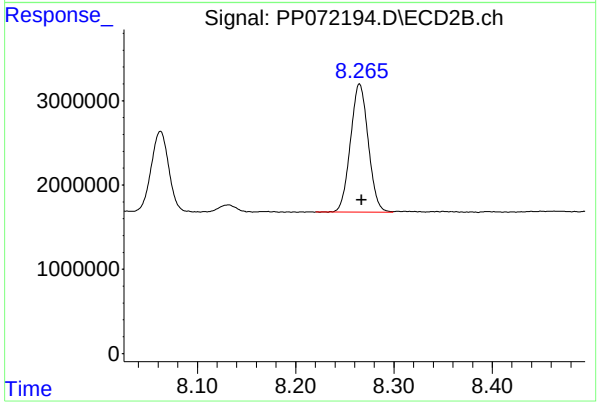
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 44168578
Conc: 252.87 ng/ml



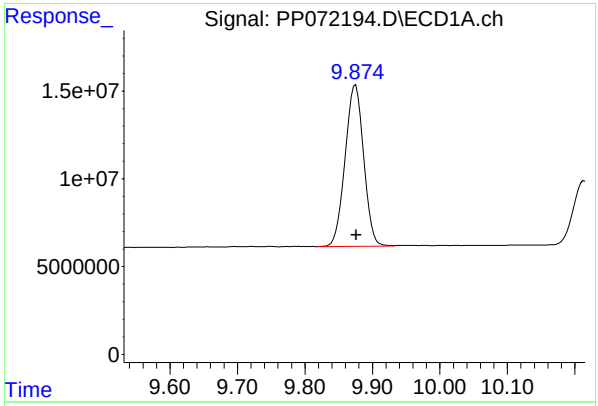
#44 AR-1268-4

R.T.: 9.459 min
Delta R.T.: -0.001 min
Response: 27090074
Conc: 250.91 ng/ml



#44 AR-1268-4

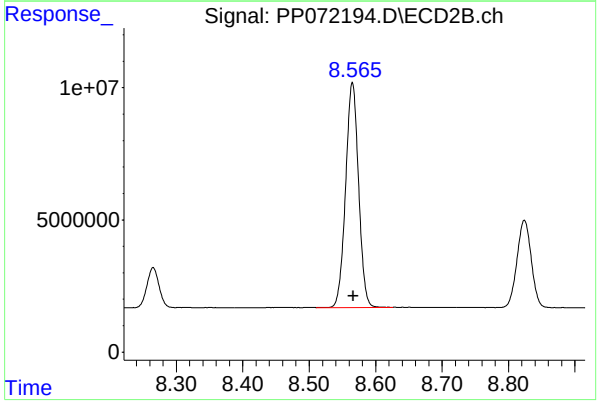
R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 19140648
Conc: 255.70 ng/ml



#45 AR-1268-5

R.T.: 9.875 min
Delta R.T.: -0.001 min
Response: 176588908
Conc: 257.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.001 min
Response: 115442638
Conc: 252.59 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	8721682	7491150	4.370m	4.541
2)	SA Decachlor...	10.218	8.823	13183771	10651243	4.487	5.599
	Target Compounds						
41)	L9 AR-1268-1	8.720	7.701	16905769	12836464	50.072m	54.445
42)	L9 AR-1268-2	8.814	7.768	13998978	11129718	49.082	53.408
43)	L9 AR-1268-3	9.045	7.971	12064238	8963951	48.794	51.320
44)	L9 AR-1268-4	9.464	8.265	5112737	3748876	47.354	50.082
45)	L9 AR-1268-5	9.878	8.565	33648372	24605969	48.982	53.838

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

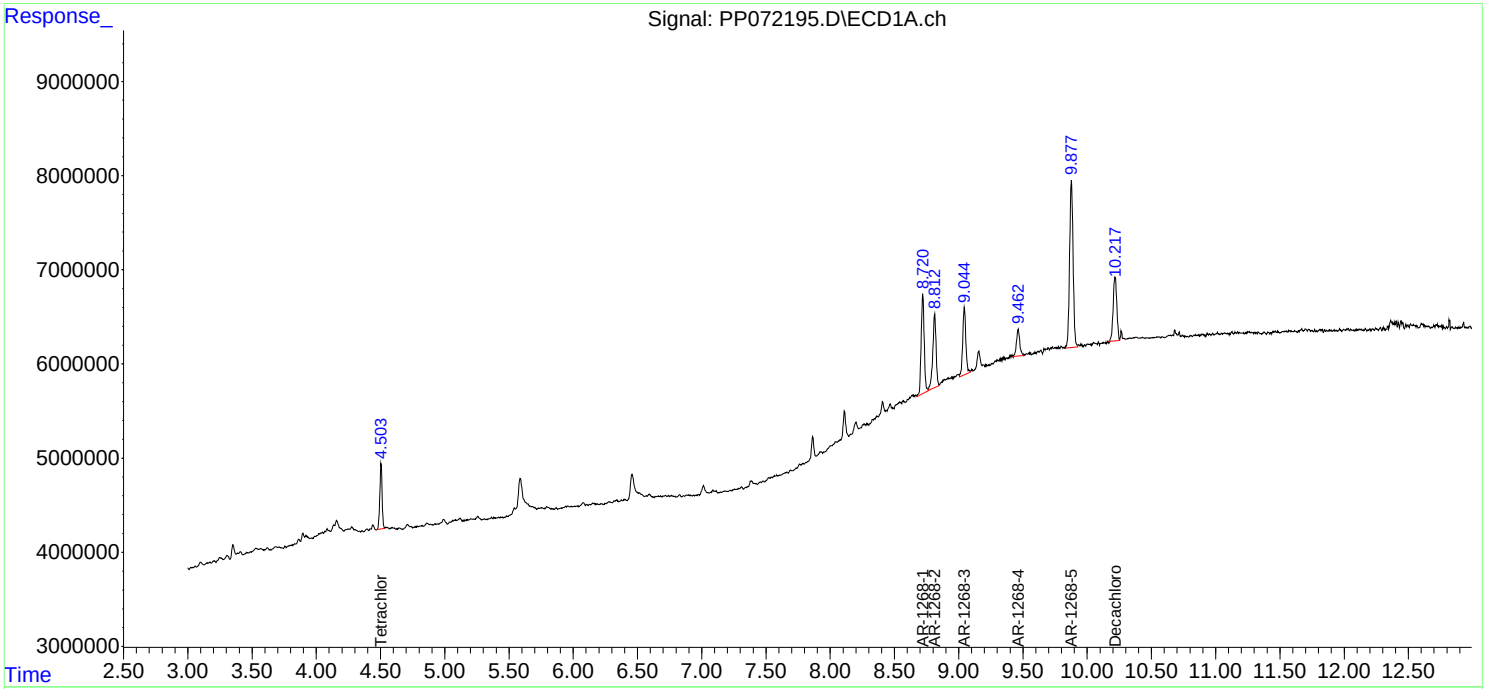
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

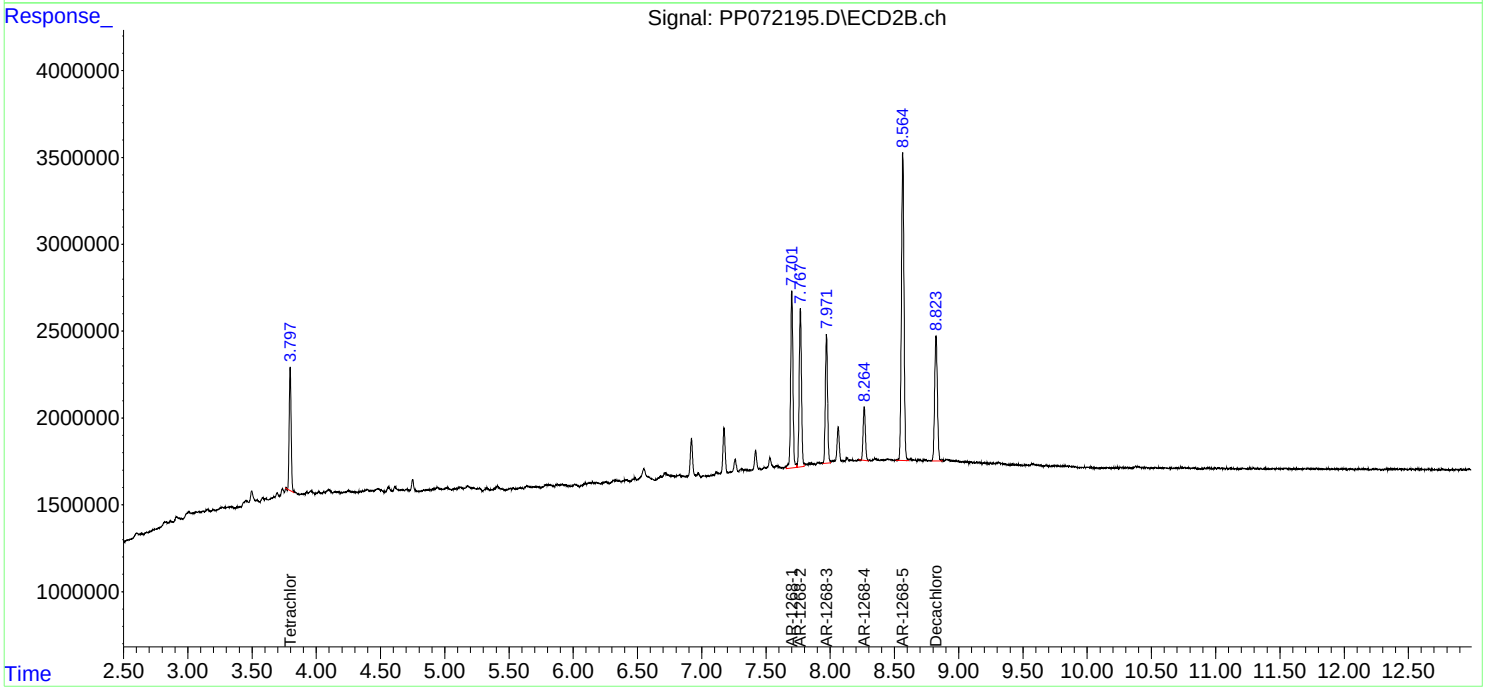
Manual Integrations APPROVED

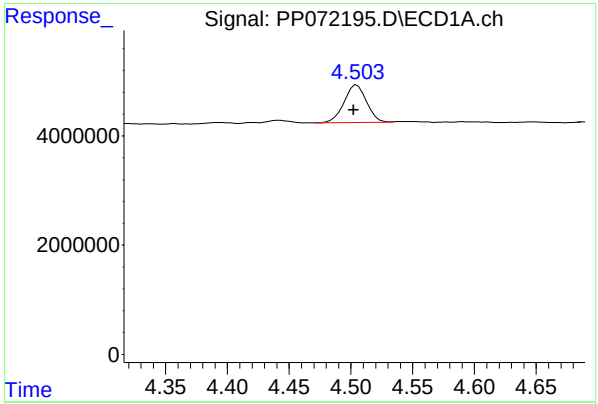
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







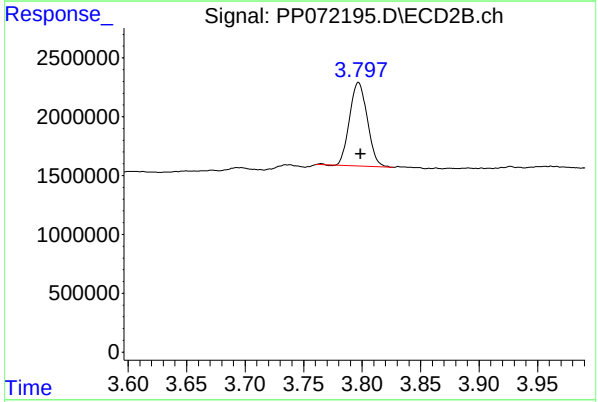
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.001 min
Response: 8721682
Conc: 4.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

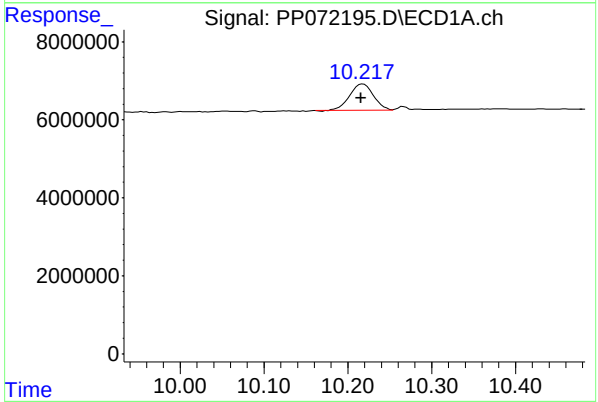
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



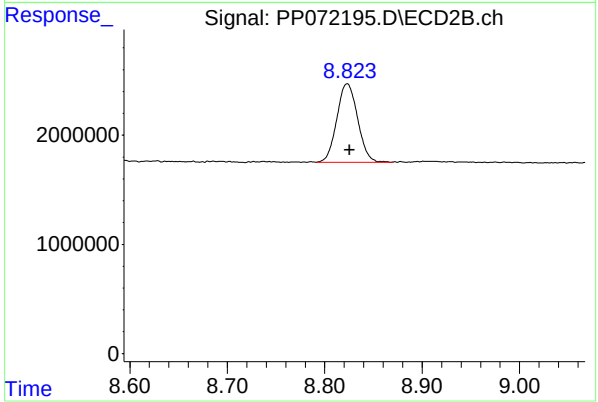
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.002 min
Response: 7491150
Conc: 4.54 ng/ml



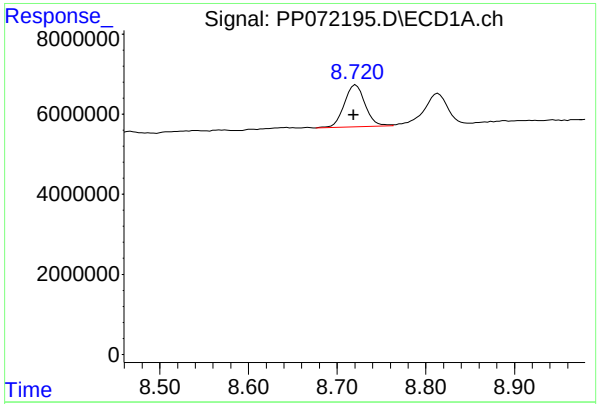
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.003 min
Response: 13183771
Conc: 4.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.823 min
Delta R.T.: -0.003 min
Response: 10651243
Conc: 5.60 ng/ml



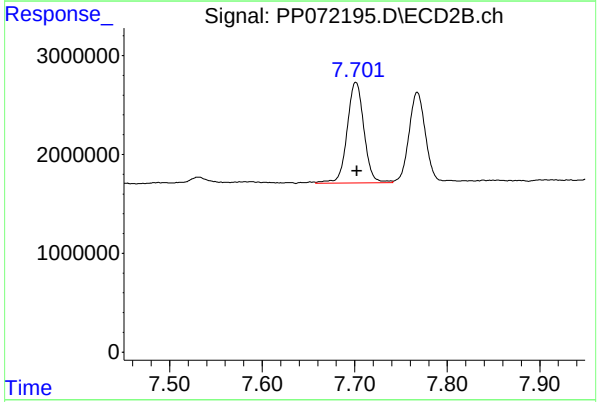
#41 AR-1268-1

R.T.: 8.720 min
Delta R.T.: 0.000 min
Response: 16905769
Conc: 50.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

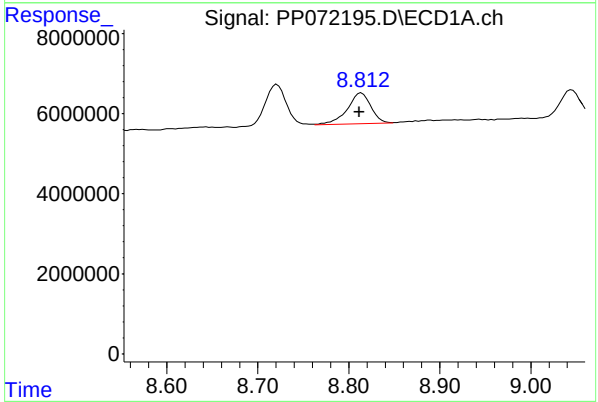
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



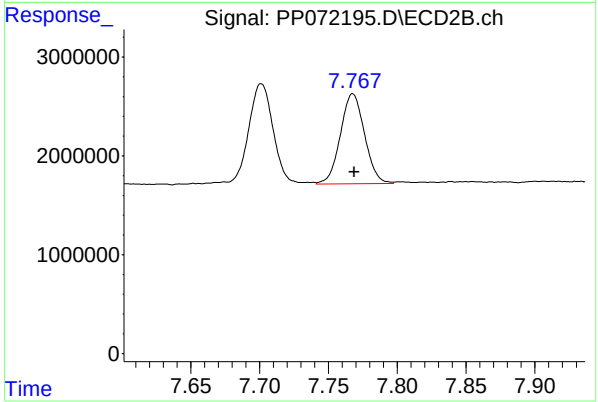
#41 AR-1268-1

R.T.: 7.701 min
Delta R.T.: -0.001 min
Response: 12836464
Conc: 54.44 ng/ml



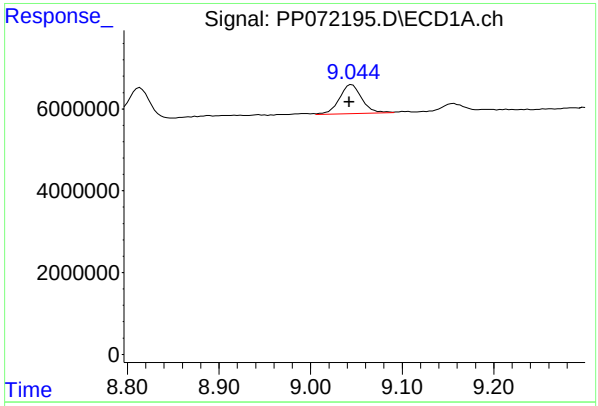
#42 AR-1268-2

R.T.: 8.814 min
Delta R.T.: 0.002 min
Response: 13998978
Conc: 49.08 ng/ml



#42 AR-1268-2

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 11129718
Conc: 53.41 ng/ml



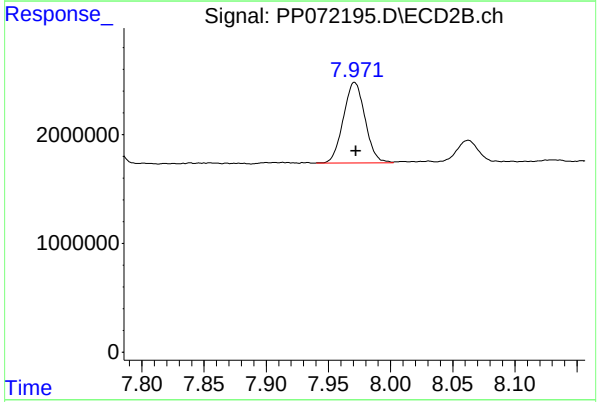
#43 AR-1268-3

R.T.: 9.045 min
Delta R.T.: 0.003 min
Response: 12064238
Conc: 48.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

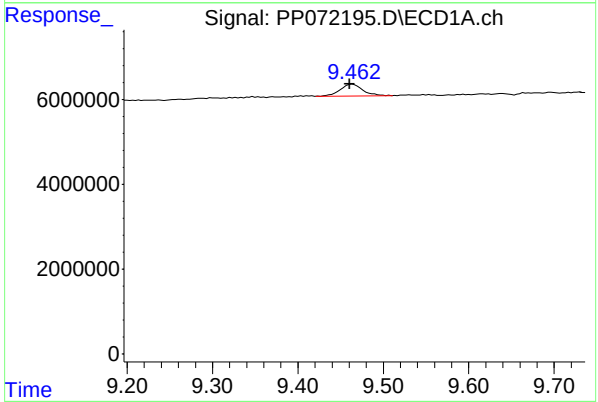
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



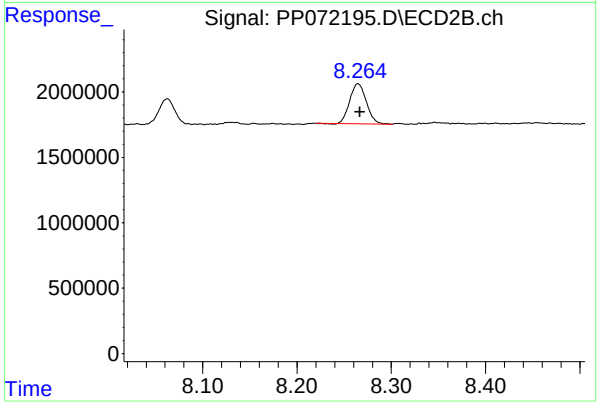
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: -0.001 min
Response: 8963951
Conc: 51.32 ng/ml



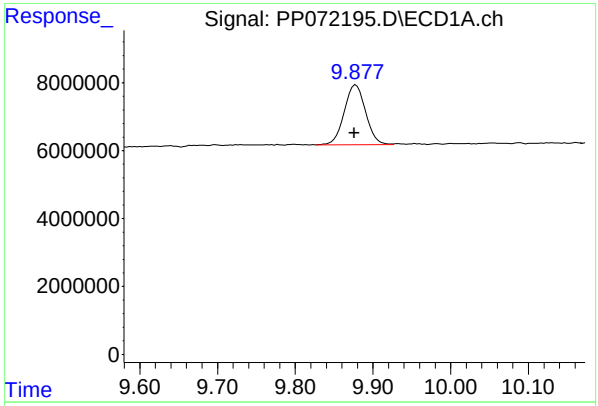
#44 AR-1268-4

R.T.: 9.464 min
Delta R.T.: 0.003 min
Response: 5112737
Conc: 47.35 ng/ml



#44 AR-1268-4

R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 3748876
Conc: 50.08 ng/ml



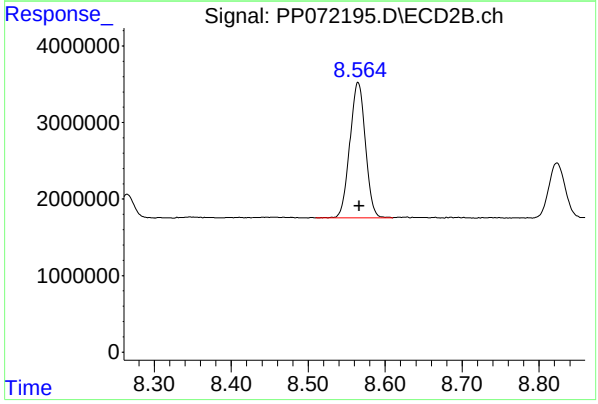
#45 AR-1268-5

R.T.: 9.878 min
Delta R.T.: 0.002 min
Response: 33648372
Conc: 48.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 24605969
Conc: 53.84 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:42
Operator : YP\AJ
Sample : PP051925ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : ECD_P
ClientSampleId : ICVPP051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:36:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.798	95813360	75129300	47.649	47.004
2)	SA Decachlor...	10.216	8.825	78897811	55159923	48.430	52.106
	Target Compounds						
3)	L1 AR-1016-1	5.656	4.882	34275021	28415442	456.491	462.570
4)	L1 AR-1016-2	5.677	4.900	52043054	40409419	486.422	460.300
5)	L1 AR-1016-3	5.739	5.077	30972988	22233290	472.402	466.552
6)	L1 AR-1016-4	5.837	5.120	26002231	17703522	488.122	465.327
7)	L1 AR-1016-5	6.130	5.333	22892152	23633981	468.054	474.345
31)	L7 AR-1260-1	7.250	6.367	45618683	37214670	487.406	466.620
32)	L7 AR-1260-2	7.503	6.556	68966981	45298985	480.641	446.638
33)	L7 AR-1260-3	7.861	6.709	56600304	41944639	497.057	482.664
34)	L7 AR-1260-4	8.086	7.179	54236593	34998898	505.455	485.483
35)	L7 AR-1260-5	8.405	7.421	116.3E6	86272130	491.560	496.891

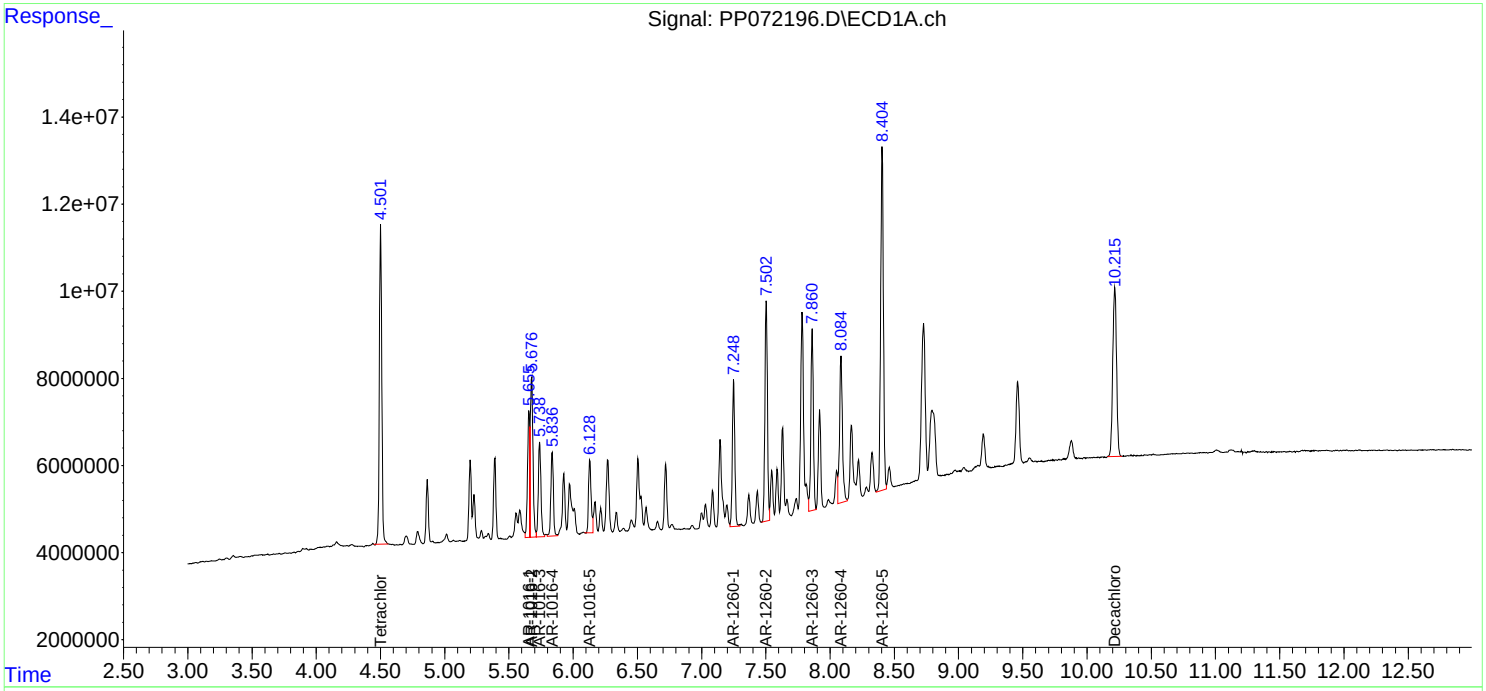
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

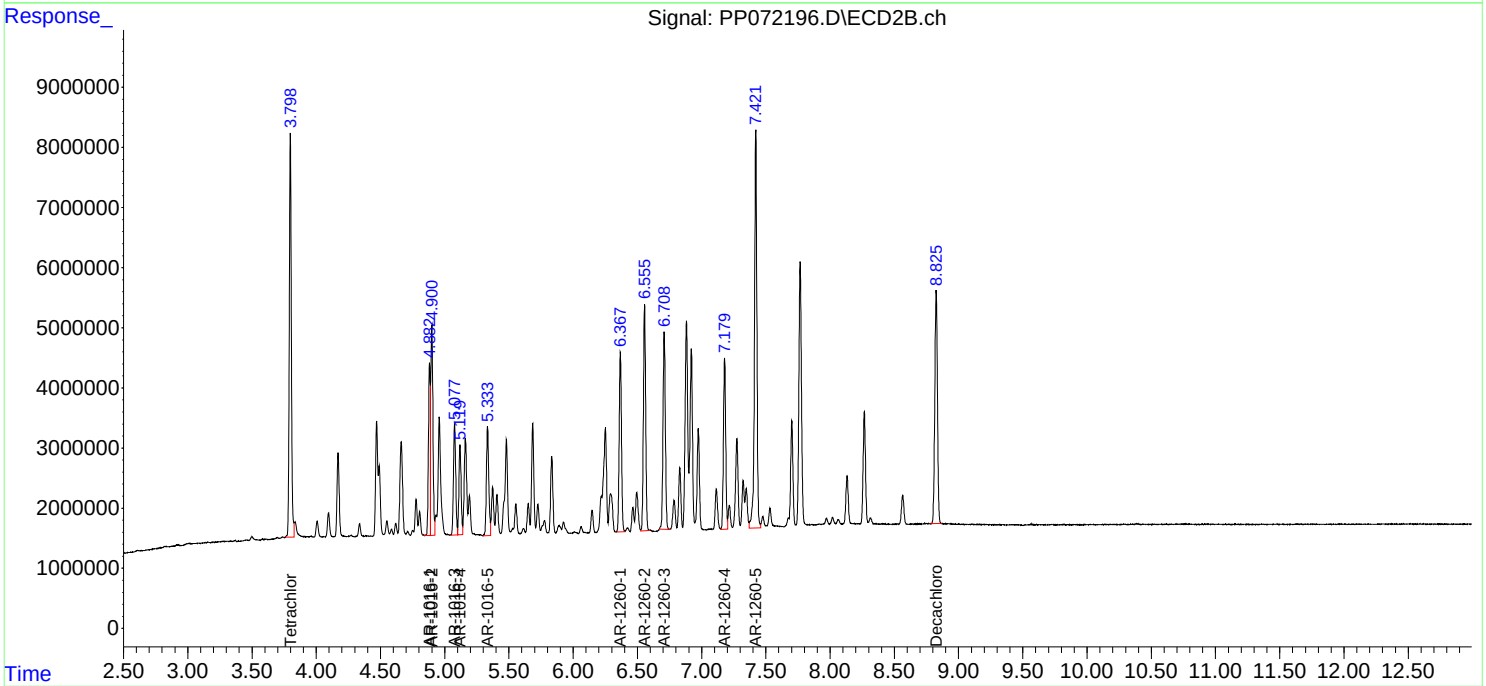
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:42
Operator : YP\AJ
Sample : PP051925ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

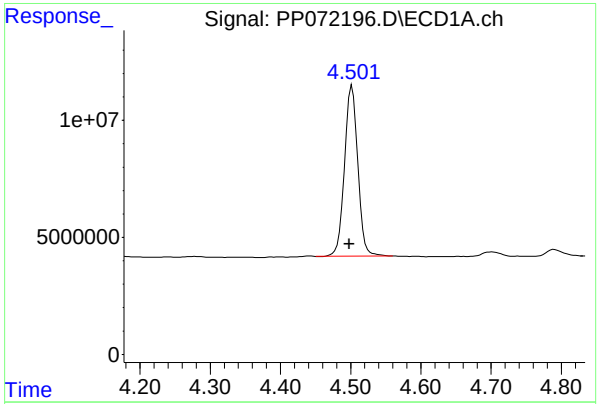
Instrument :
ECD_P
ClientSampleId :
ICVPP051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:36:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



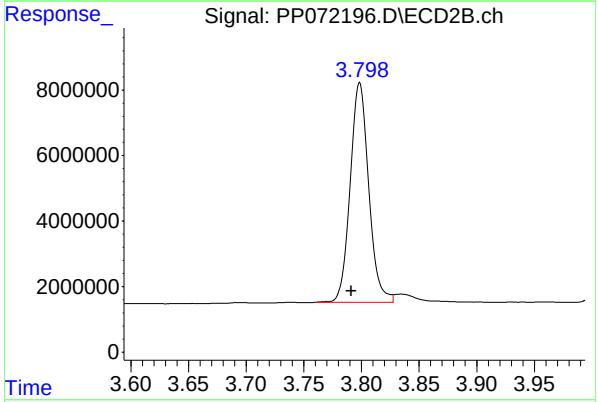




#1 Tetrachloro-m-xylene

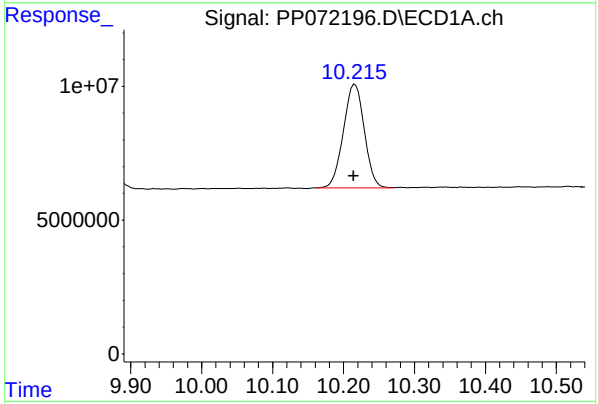
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 95813360
Conc: 47.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



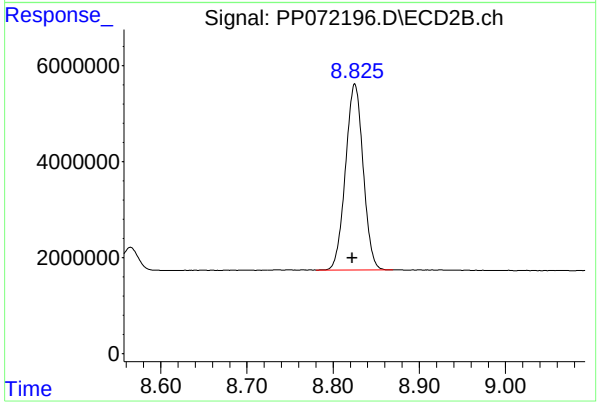
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 75129300
Conc: 47.00 ng/ml



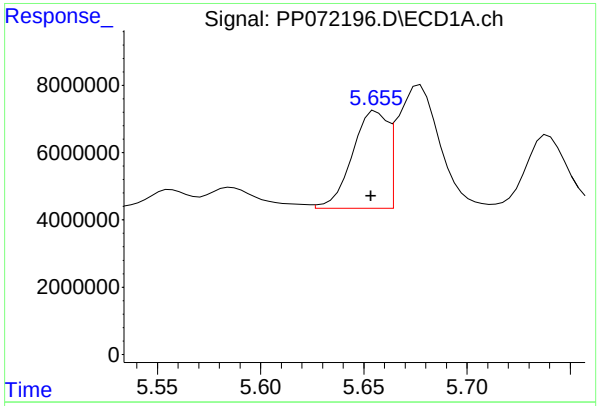
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.002 min
Response: 78897811
Conc: 48.43 ng/ml



#2 Decachlorobiphenyl

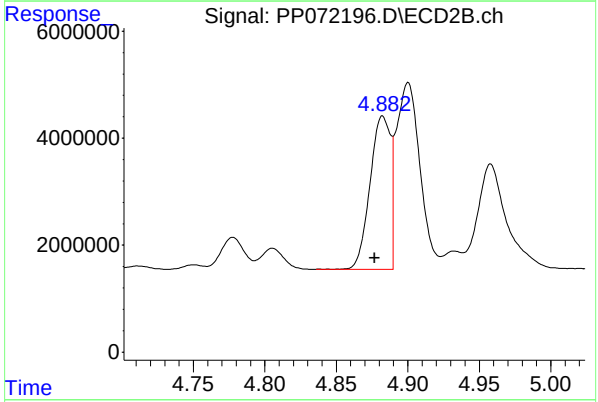
R.T.: 8.825 min
Delta R.T.: 0.003 min
Response: 55159923
Conc: 52.11 ng/ml



#3 AR-1016-1

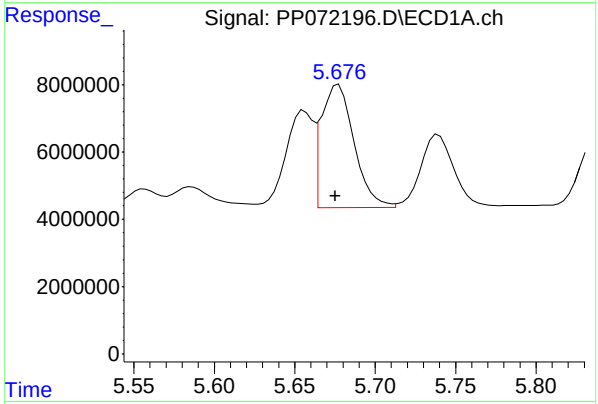
R.T.: 5.656 min
Delta R.T.: 0.003 min
Response: 34275021
Conc: 456.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



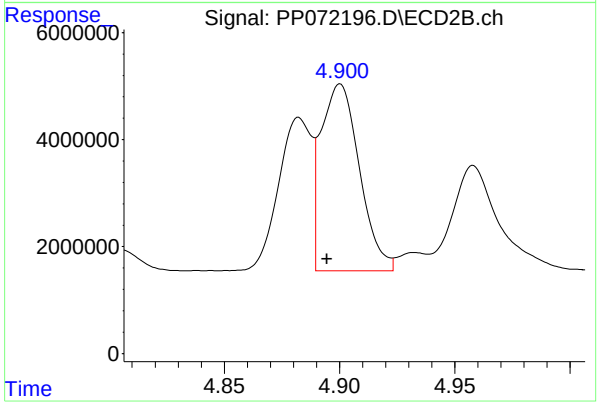
#3 AR-1016-1

R.T.: 4.882 min
Delta R.T.: 0.006 min
Response: 28415442
Conc: 462.57 ng/ml



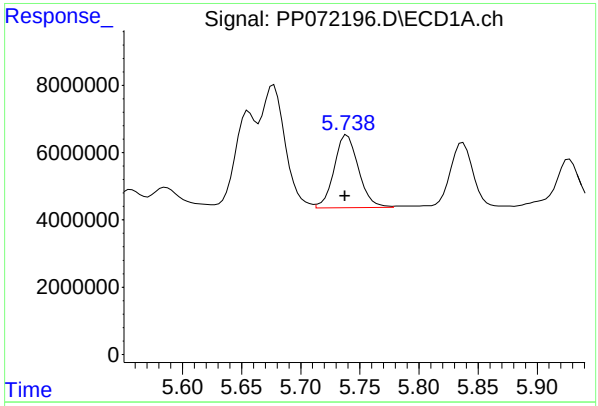
#4 AR-1016-2

R.T.: 5.677 min
Delta R.T.: 0.002 min
Response: 52043054
Conc: 486.42 ng/ml



#4 AR-1016-2

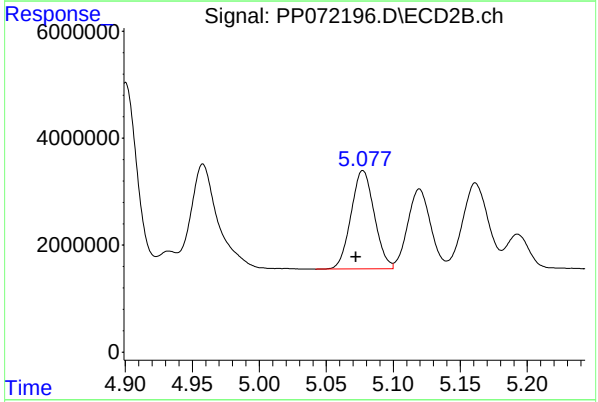
R.T.: 4.900 min
Delta R.T.: 0.006 min
Response: 40409419
Conc: 460.30 ng/ml



#5 AR-1016-3

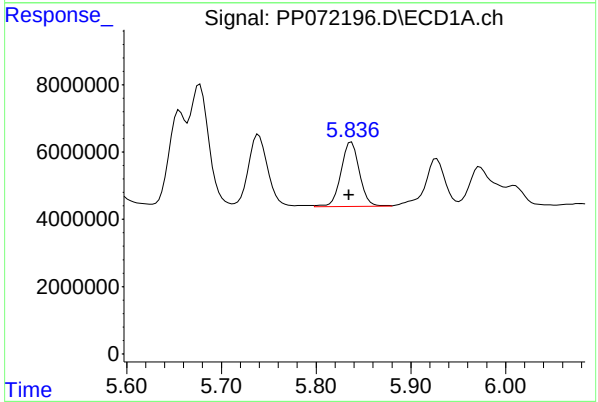
R.T.: 5.739 min
Delta R.T.: 0.002 min
Response: 30972988
Conc: 472.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



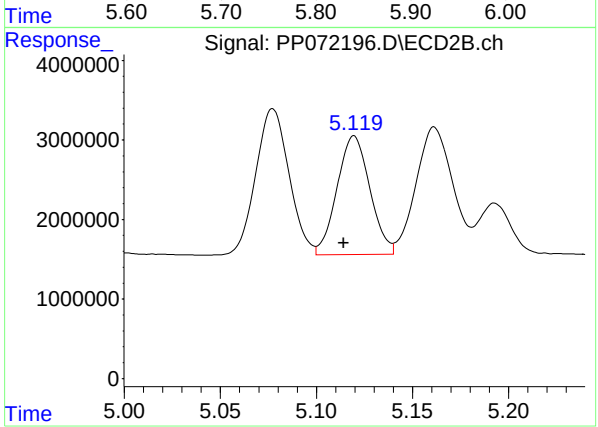
#5 AR-1016-3

R.T.: 5.077 min
Delta R.T.: 0.005 min
Response: 22233290
Conc: 466.55 ng/ml



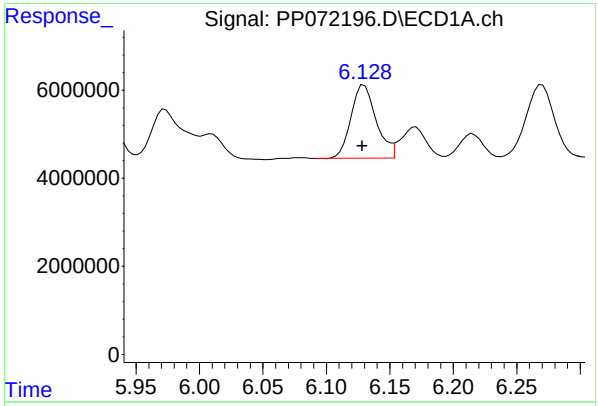
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.002 min
Response: 26002231
Conc: 488.12 ng/ml



#6 AR-1016-4

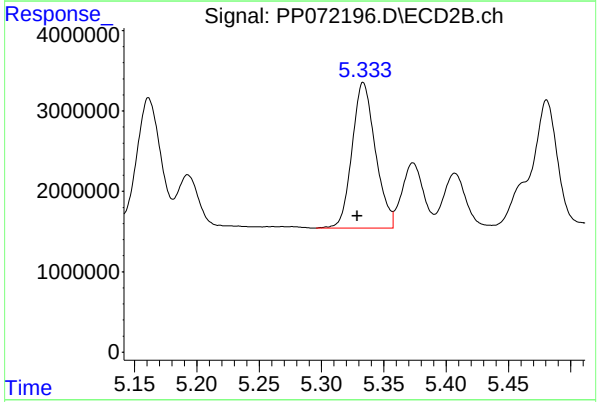
R.T.: 5.120 min
Delta R.T.: 0.005 min
Response: 17703522
Conc: 465.33 ng/ml



#7 AR-1016-5

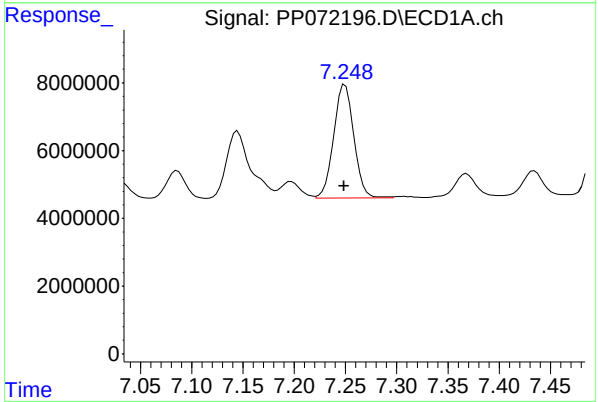
R.T.: 6.130 min
Delta R.T.: 0.001 min
Response: 22892152
Conc: 468.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



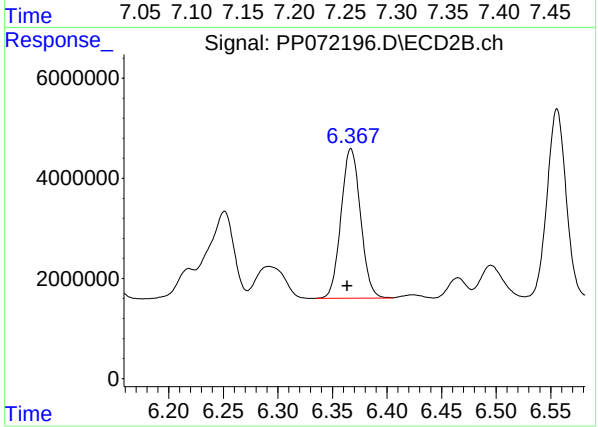
#7 AR-1016-5

R.T.: 5.333 min
Delta R.T.: 0.005 min
Response: 23633981
Conc: 474.35 ng/ml



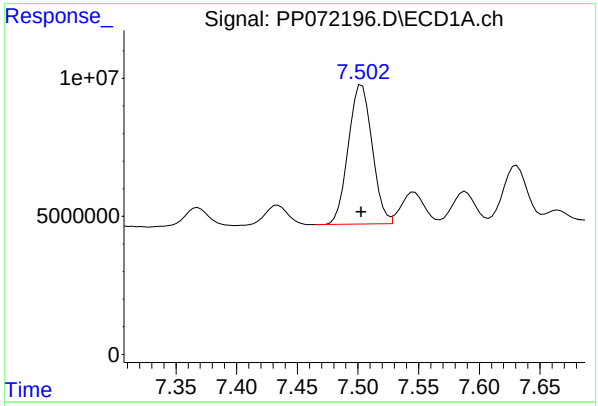
#31 AR-1260-1

R.T.: 7.250 min
Delta R.T.: 0.001 min
Response: 45618683
Conc: 487.41 ng/ml



#31 AR-1260-1

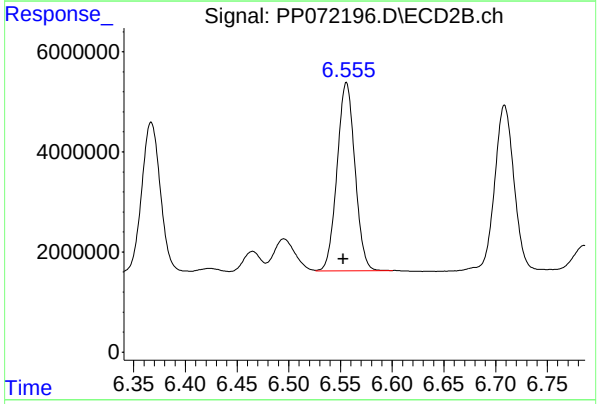
R.T.: 6.367 min
Delta R.T.: 0.003 min
Response: 37214670
Conc: 466.62 ng/ml



#32 AR-1260-2

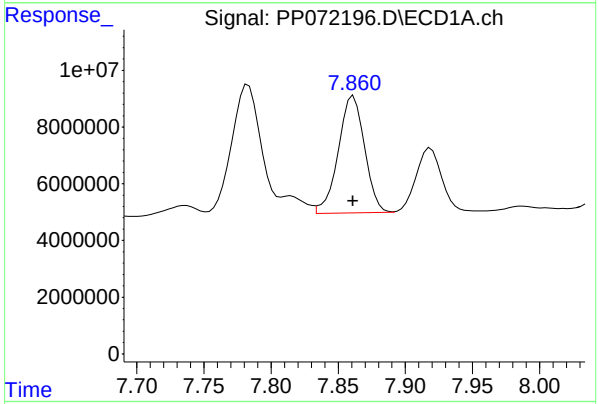
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 68966981
Conc: 480.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



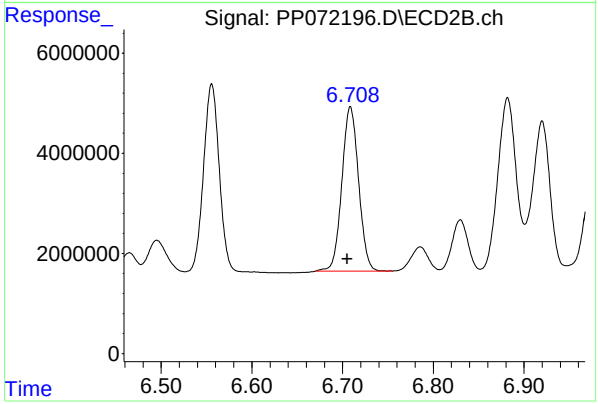
#32 AR-1260-2

R.T.: 6.556 min
Delta R.T.: 0.003 min
Response: 45298985
Conc: 446.64 ng/ml



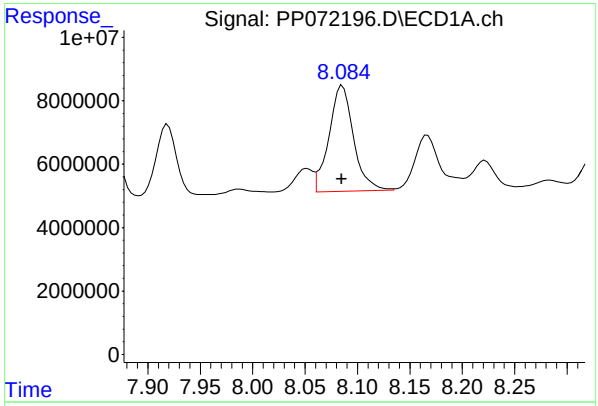
#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 56600304
Conc: 497.06 ng/ml



#33 AR-1260-3

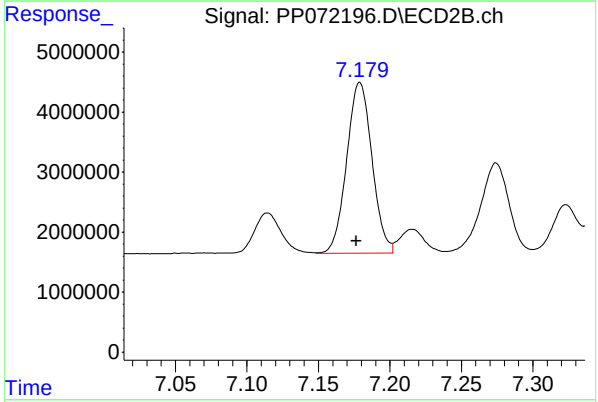
R.T.: 6.709 min
Delta R.T.: 0.003 min
Response: 41944639
Conc: 482.66 ng/ml



#34 AR-1260-4

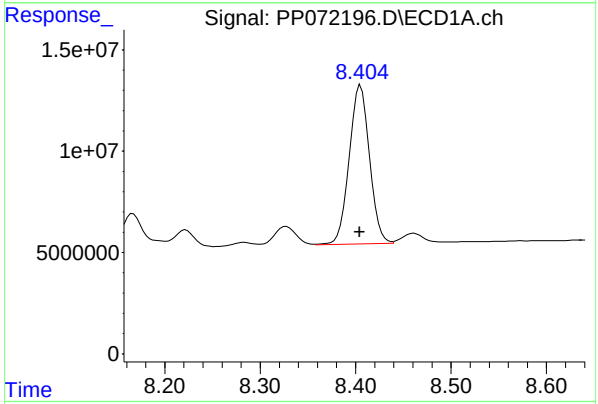
R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 54236593
Conc: 505.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



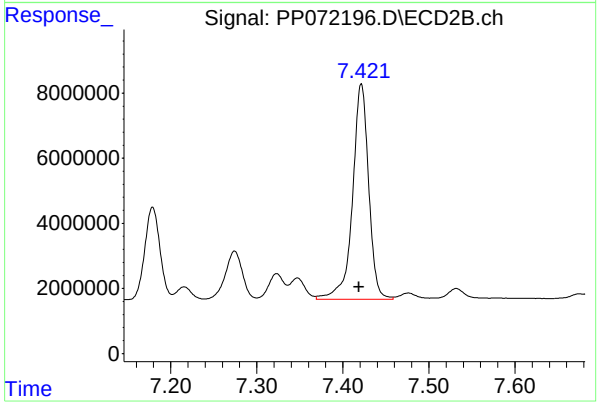
#34 AR-1260-4

R.T.: 7.179 min
Delta R.T.: 0.002 min
Response: 34998898
Conc: 485.48 ng/ml



#35 AR-1260-5

R.T.: 8.405 min
Delta R.T.: 0.001 min
Response: 116333702
Conc: 491.56 ng/ml



#35 AR-1260-5

R.T.: 7.421 min
Delta R.T.: 0.003 min
Response: 86272130
Conc: 496.89 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:14
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.504	3.798	99088078	76822954	49.278	48.064
2)	SA Decachlor...	10.217	8.824	80208843	53006313	49.234	50.072
	Target Compounds						
11)	L3 AR-1232-1	4.867	4.169	22860124	20991950	485.266	484.304
12)	L3 AR-1232-2	5.392	4.899	11426080	20405975	490.744	461.875
13)	L3 AR-1232-3	5.679	5.076	24392843	11207066	487.242	479.281
14)	L3 AR-1232-4	5.839	5.159	11984156	9670115	477.474	466.701
15)	L3 AR-1232-5	5.929	5.332	8016086	10482162	457.551	452.707

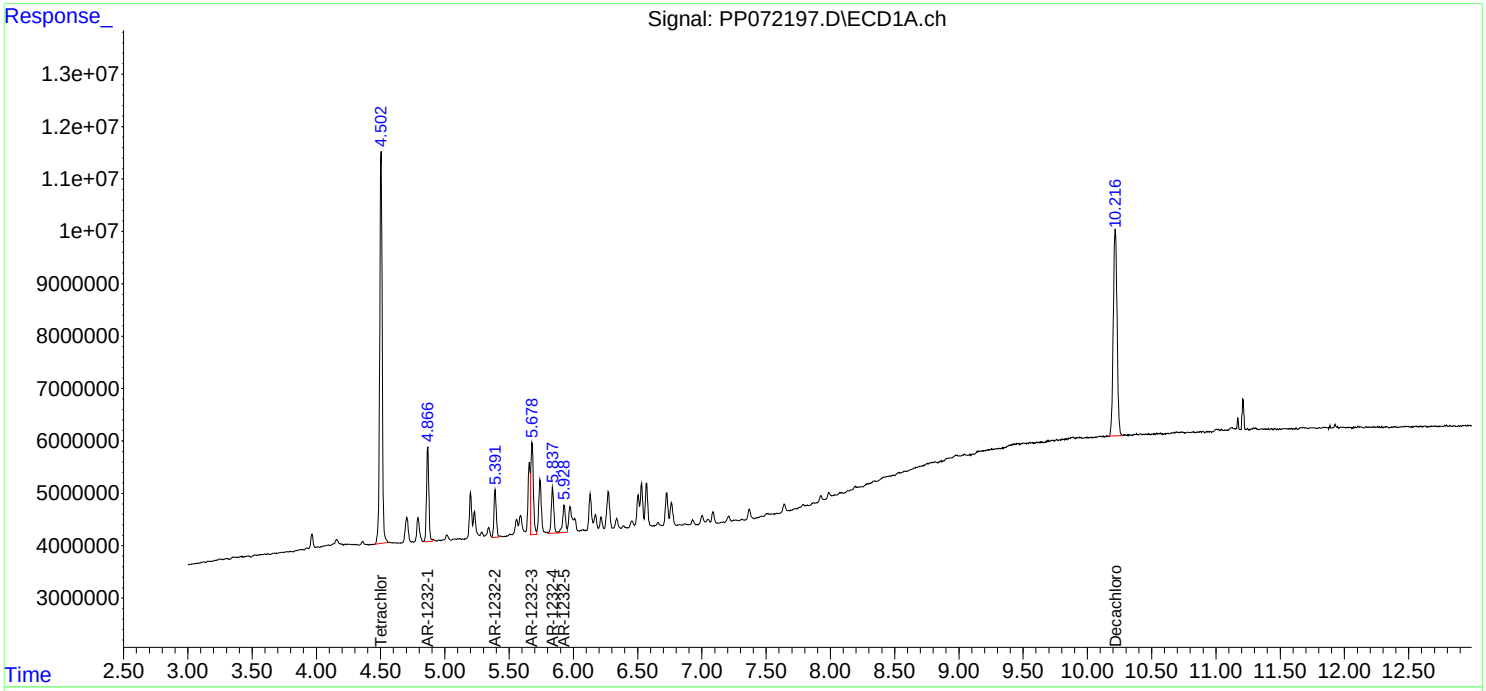
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

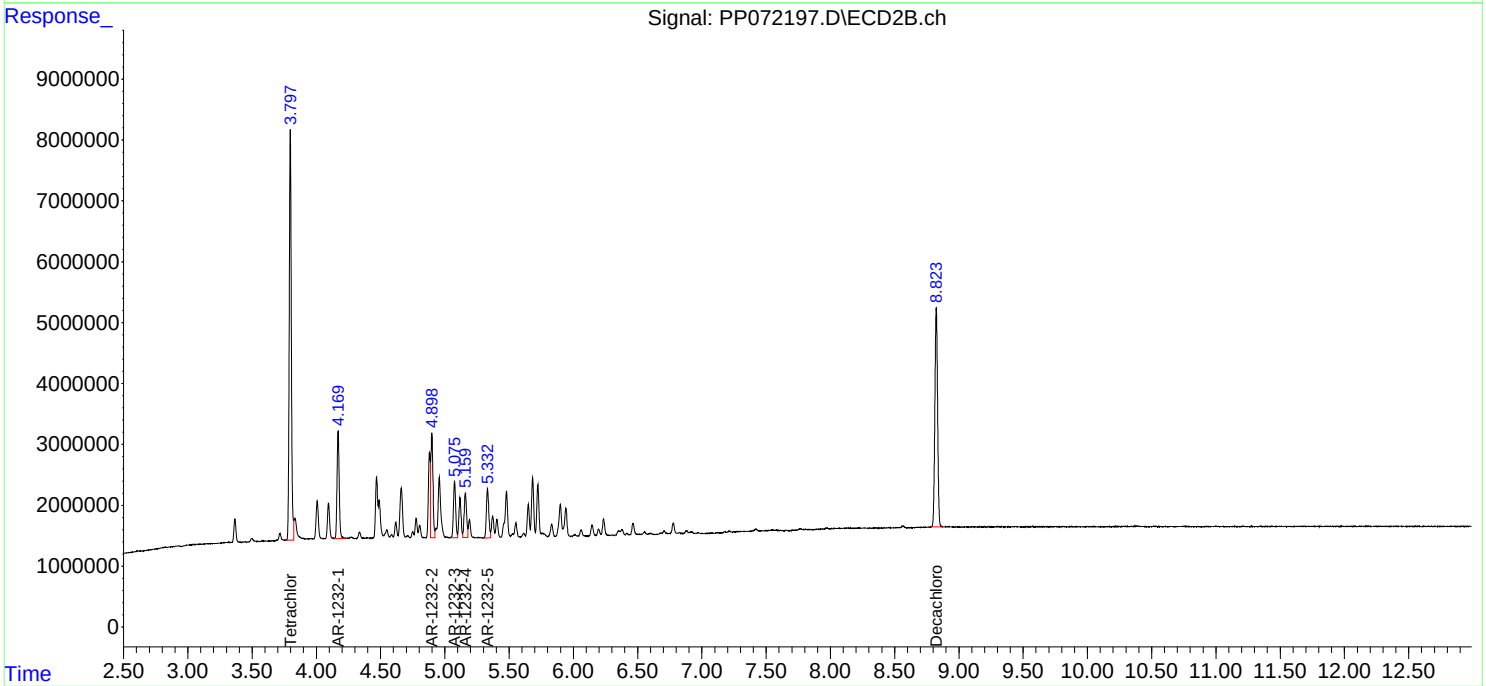
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:14
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

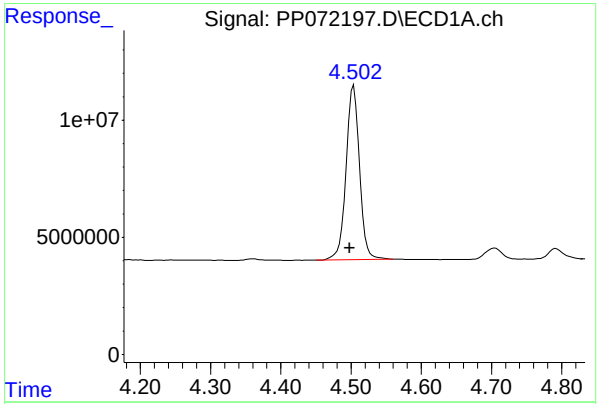
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



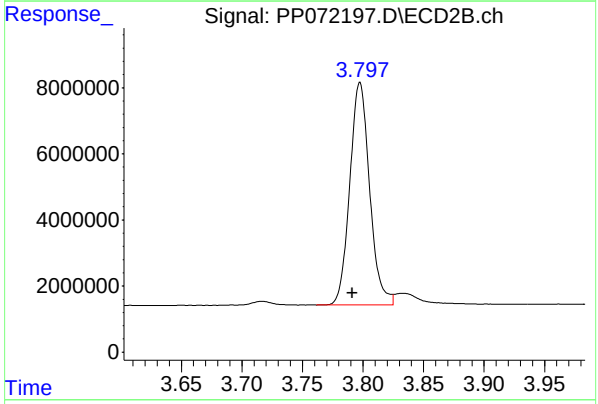




#1 Tetrachloro-m-xylene

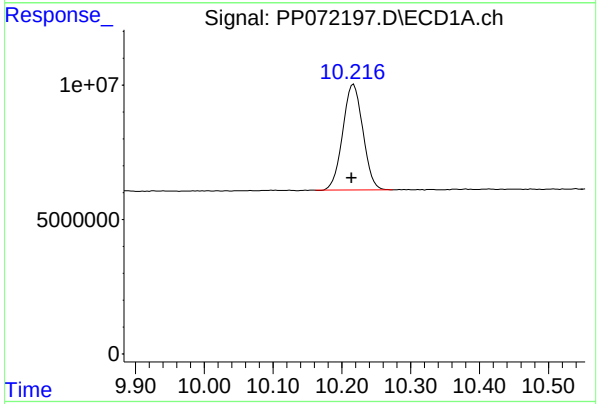
R.T.: 4.504 min
Delta R.T.: 0.006 min
Response: 99088078
Conc: 49.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



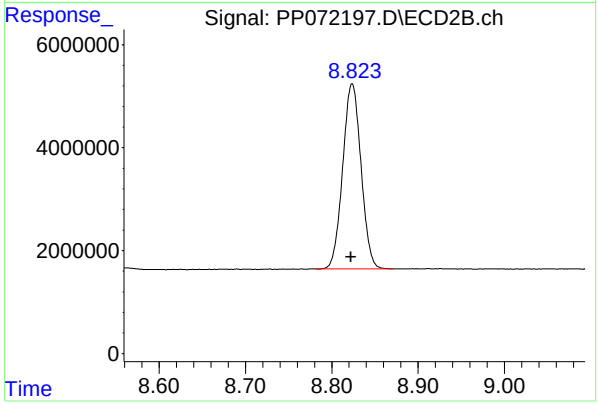
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.006 min
Response: 76822954
Conc: 48.06 ng/ml



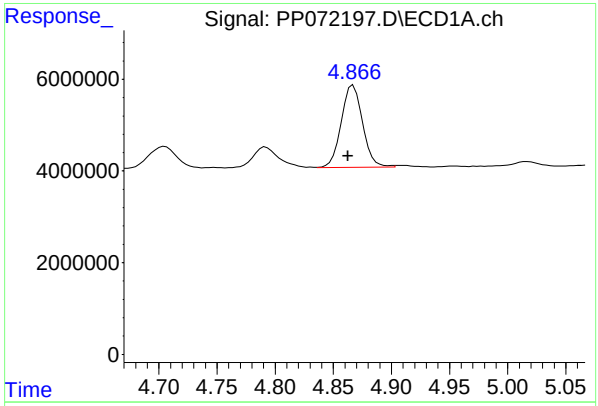
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.003 min
Response: 80208843
Conc: 49.23 ng/ml



#2 Decachlorobiphenyl

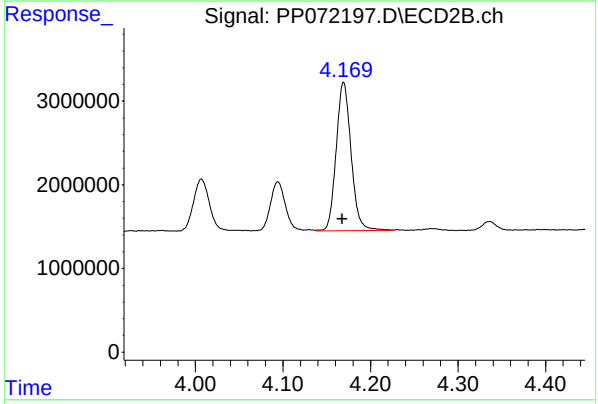
R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 53006313
Conc: 50.07 ng/ml



#11 AR-1232-1

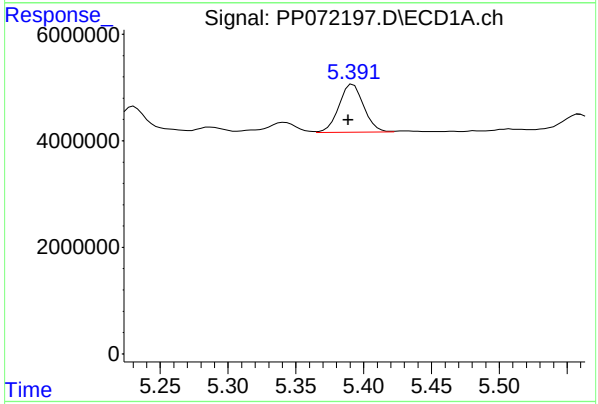
R.T.: 4.867 min
Delta R.T.: 0.004 min
Response: 22860124
Conc: 485.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



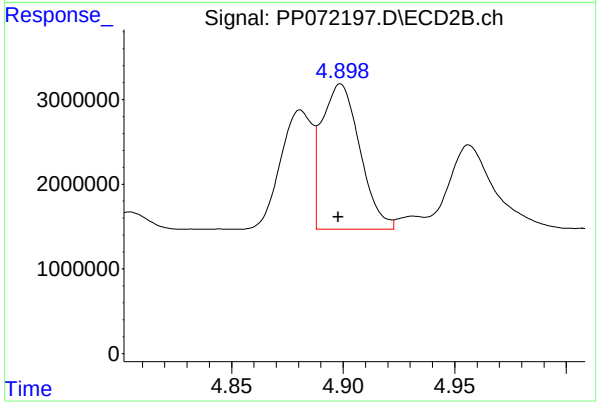
#11 AR-1232-1

R.T.: 4.169 min
Delta R.T.: 0.002 min
Response: 20991950
Conc: 484.30 ng/ml



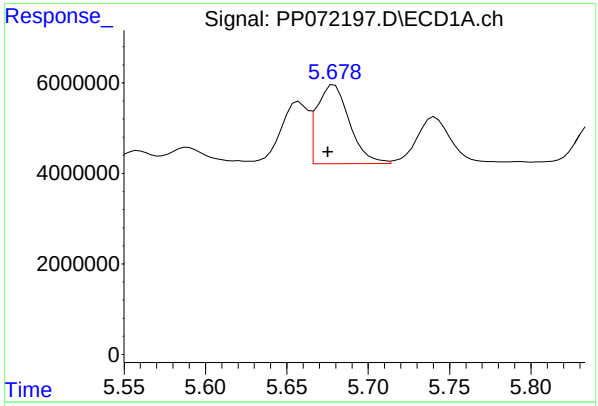
#12 AR-1232-2

R.T.: 5.392 min
Delta R.T.: 0.003 min
Response: 11426080
Conc: 490.74 ng/ml



#12 AR-1232-2

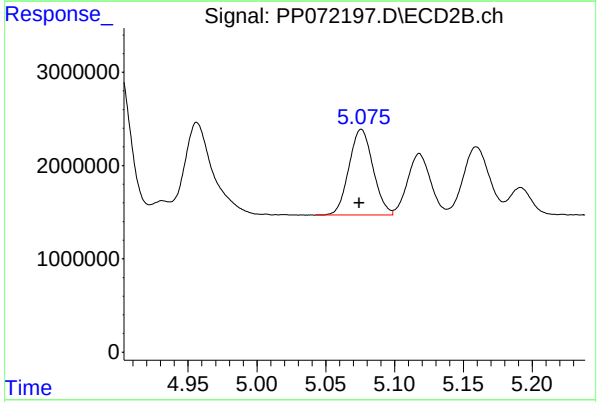
R.T.: 4.899 min
Delta R.T.: 0.001 min
Response: 20405975
Conc: 461.88 ng/ml



#13 AR-1232-3

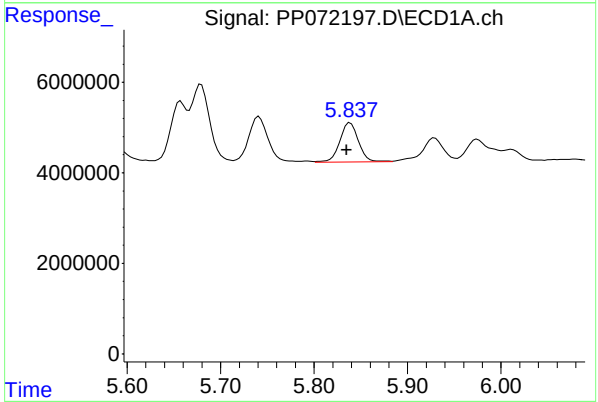
R.T.: 5.679 min
Delta R.T.: 0.004 min
Response: 24392843
Conc: 487.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



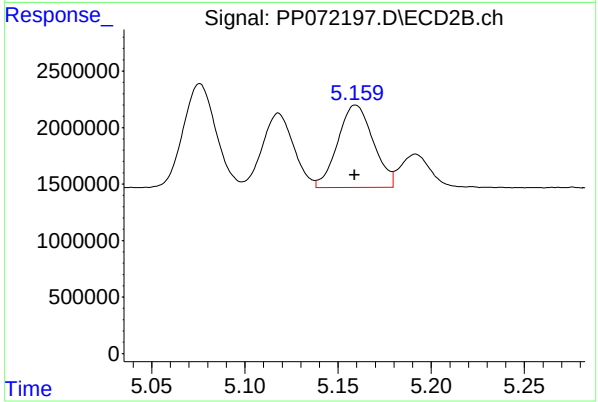
#13 AR-1232-3

R.T.: 5.076 min
Delta R.T.: 0.001 min
Response: 11207066
Conc: 479.28 ng/ml



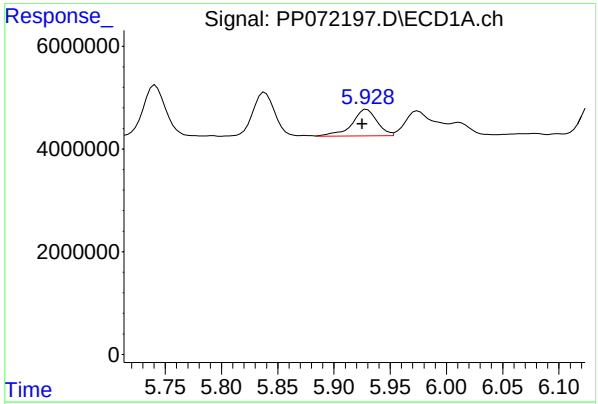
#14 AR-1232-4

R.T.: 5.839 min
Delta R.T.: 0.004 min
Response: 11984156
Conc: 477.47 ng/ml



#14 AR-1232-4

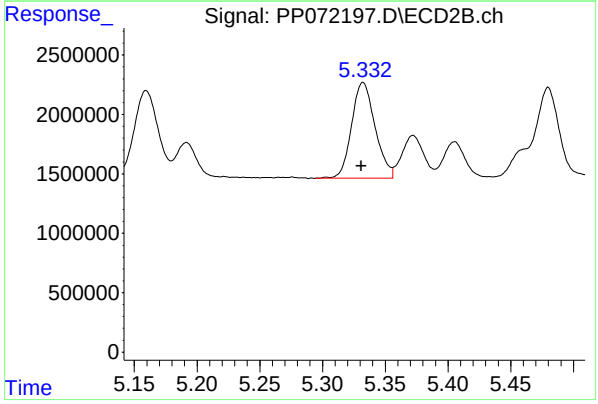
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 9670115
Conc: 466.70 ng/ml



#15 AR-1232-5

R.T.: 5.929 min
Delta R.T.: 0.004 min
Response: 8016086
Conc: 457.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



#15 AR-1232-5

R.T.: 5.332 min
Delta R.T.: 0.002 min
Response: 10482162
Conc: 452.71 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:47
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.798	96787545	76508111	48.134	47.867
2)	SA Decachlor...	10.213	8.825	81177144	55473433	49.829	52.403
	Target Compounds						
16)	L4 AR-1242-1	5.655	4.882	30009936	25988486	479.412	498.739
17)	L4 AR-1242-2	5.676	4.900	44873042	37823387	517.091	514.630
18)	L4 AR-1242-3	5.739	5.077	26969959	20511520	489.776	524.249
19)	L4 AR-1242-4	5.836	5.161	22146348	19605635	499.365	521.665
20)	L4 AR-1242-5	6.567	5.684	24841123	25039100	487.226	518.863

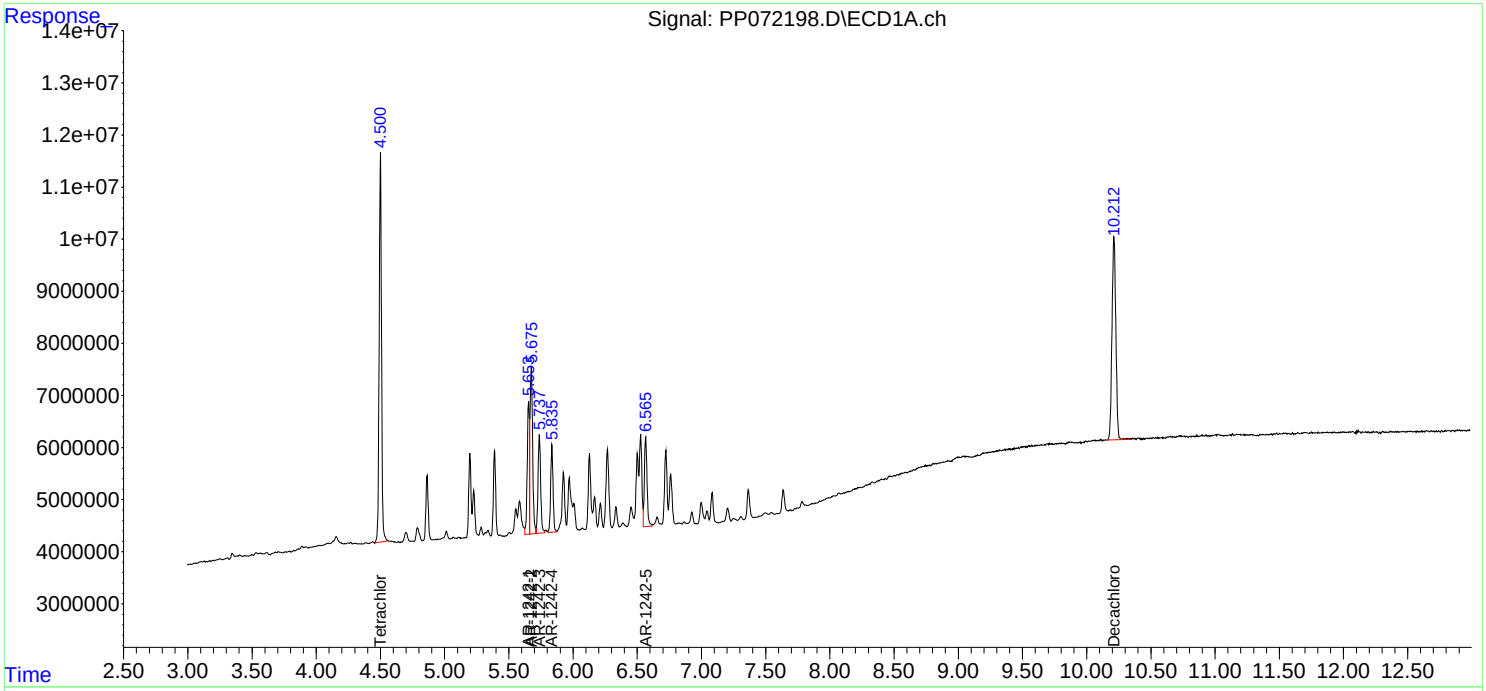
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

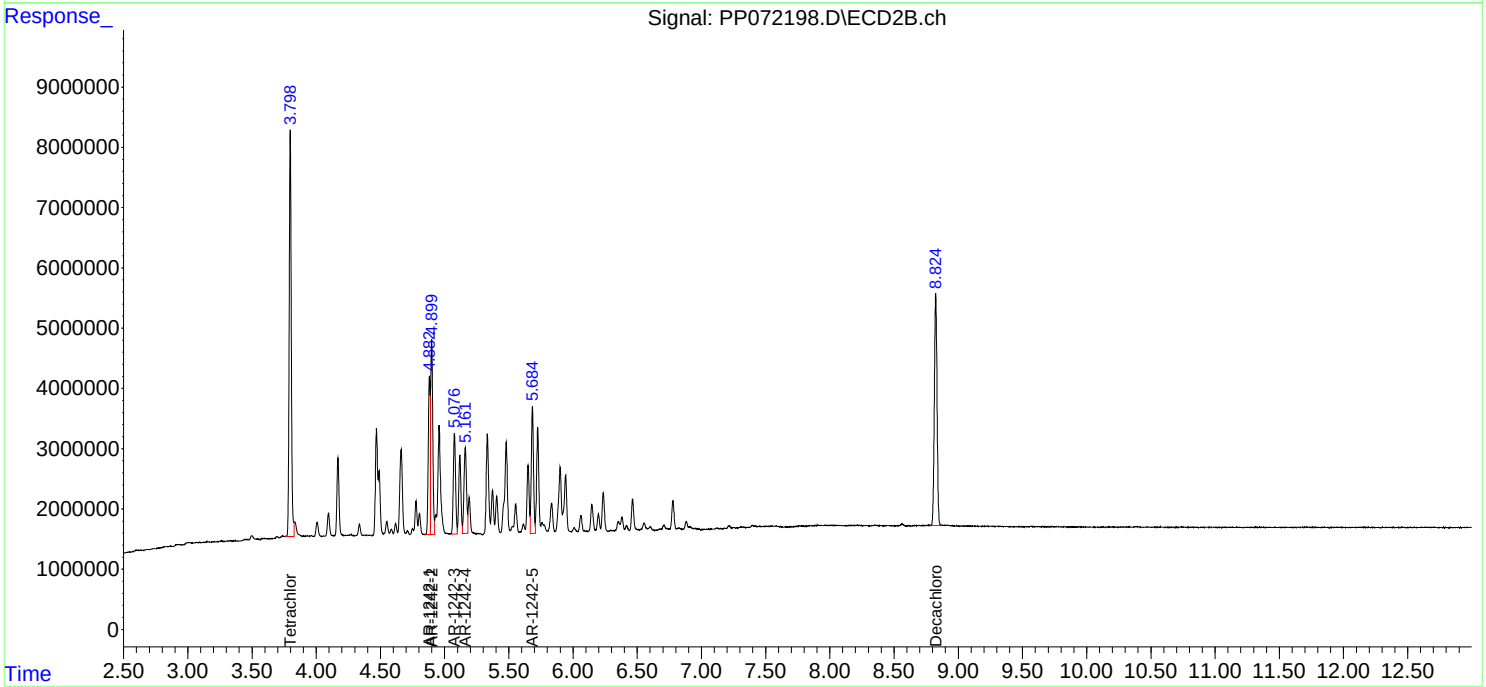
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:47
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

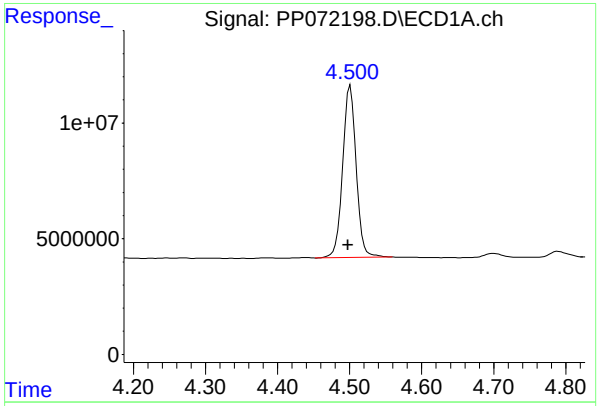
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



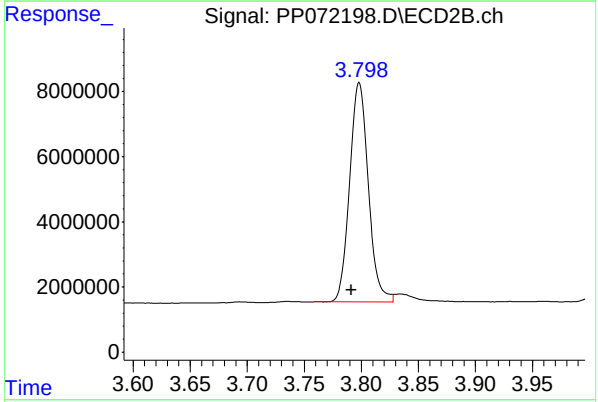




#1 Tetrachloro-m-xylene

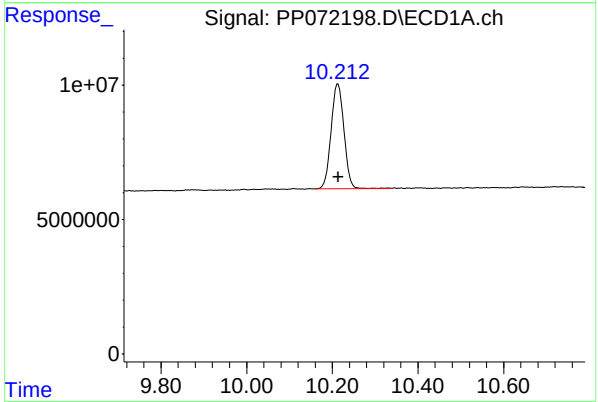
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 96787545
Conc: 48.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



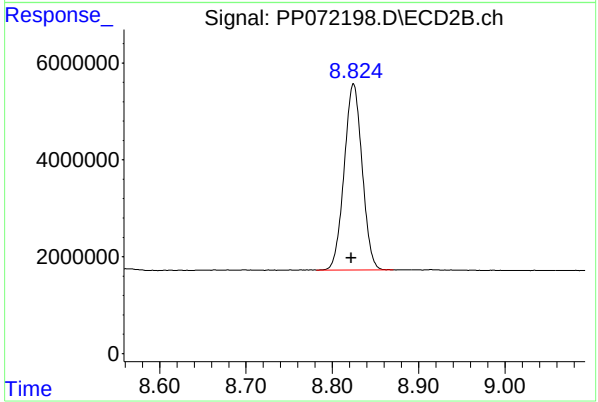
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 76508111
Conc: 47.87 ng/ml



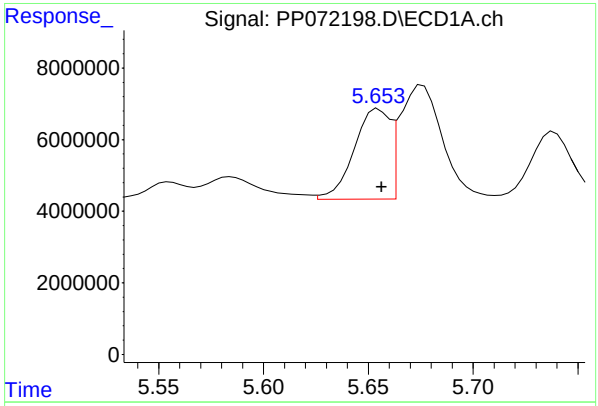
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 81177144
Conc: 49.83 ng/ml



#2 Decachlorobiphenyl

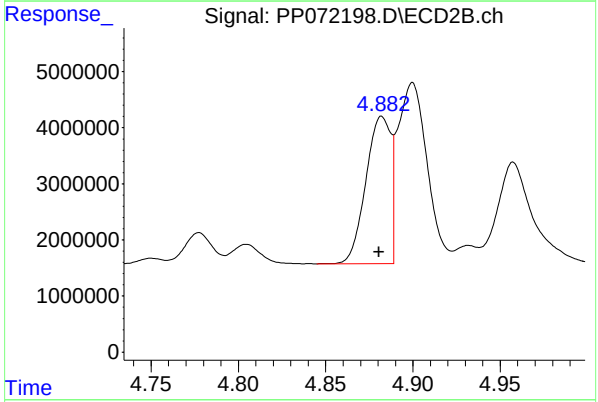
R.T.: 8.825 min
Delta R.T.: 0.002 min
Response: 55473433
Conc: 52.40 ng/ml



#16 AR-1242-1

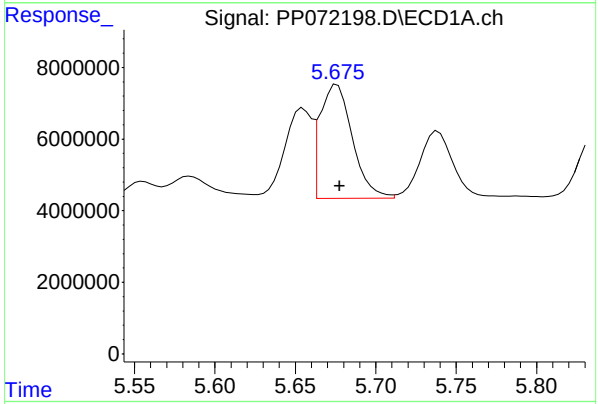
R.T.: 5.655 min
Delta R.T.: -0.002 min
Response: 30009936
Conc: 479.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



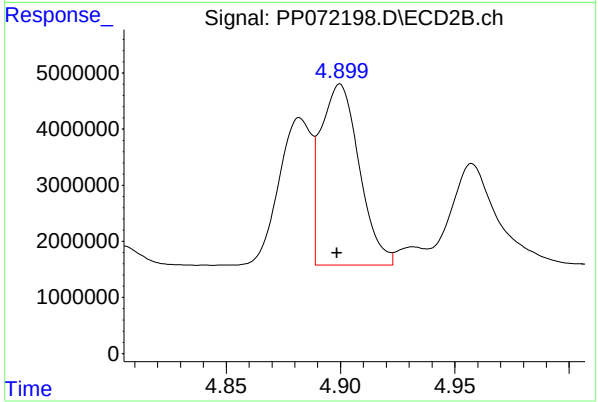
#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.002 min
Response: 25988486
Conc: 498.74 ng/ml



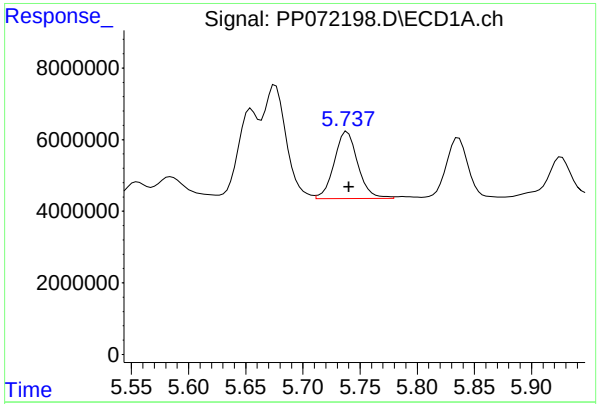
#17 AR-1242-2

R.T.: 5.676 min
Delta R.T.: -0.002 min
Response: 44873042
Conc: 517.09 ng/ml



#17 AR-1242-2

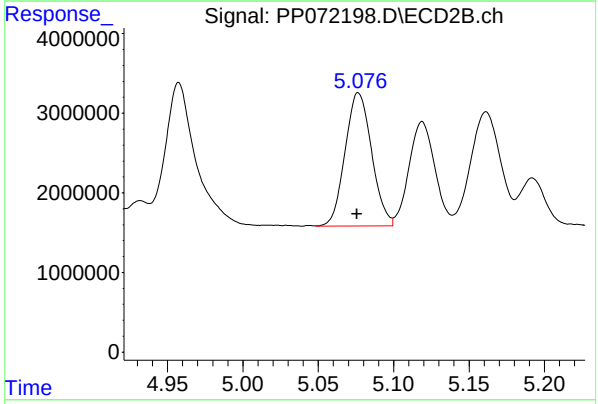
R.T.: 4.900 min
Delta R.T.: 0.001 min
Response: 37823387
Conc: 514.63 ng/ml



#18 AR-1242-3

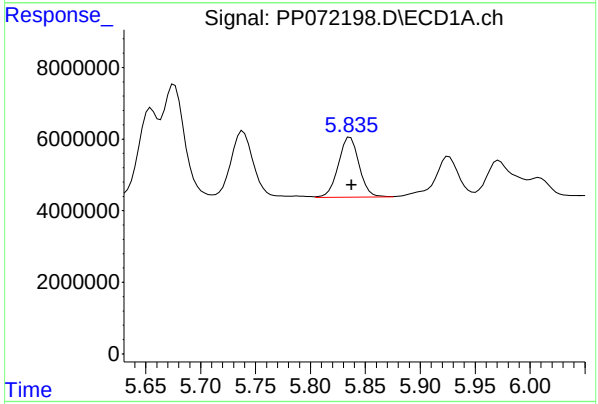
R.T.: 5.739 min
Delta R.T.: -0.002 min
Response: 26969959
Conc: 489.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



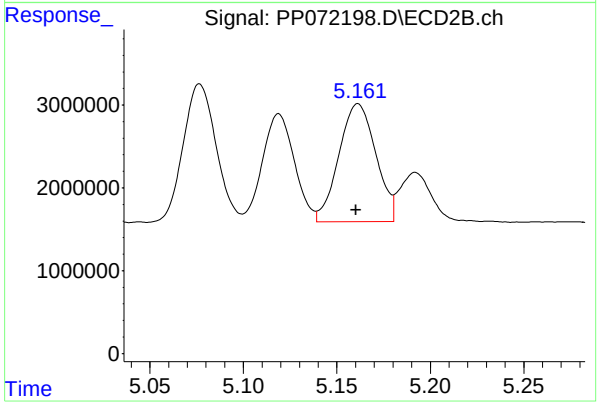
#18 AR-1242-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 20511520
Conc: 524.25 ng/ml



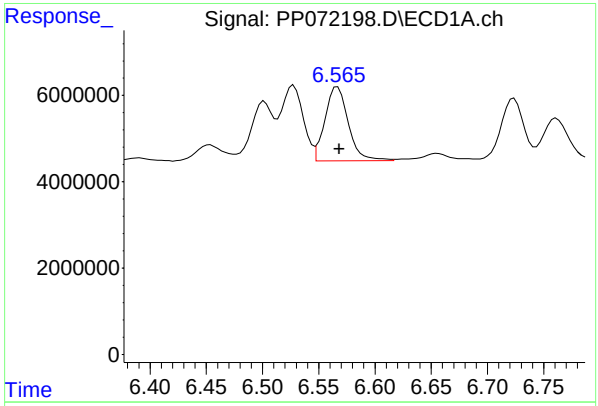
#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: -0.001 min
Response: 22146348
Conc: 499.36 ng/ml



#19 AR-1242-4

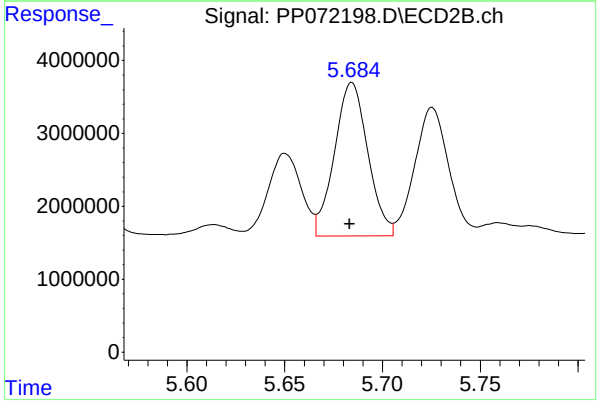
R.T.: 5.161 min
Delta R.T.: 0.001 min
Response: 19605635
Conc: 521.67 ng/ml



#20 AR-1242-5

R.T.: 6.567 min
Delta R.T.: -0.002 mi
Response: 24841123
Conc: 487.23 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.001 min
Response: 25039100
Conc: 518.86 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.798	99024800	84569869	49.246	52.910
2)	SA Decachlor...	10.212	8.824	83034822	56507020	50.969	53.379
	Target Compounds						
21)	L5 AR-1248-1	5.656	4.881	23569496	21026666	487.019	485.362
22)	L5 AR-1248-2	5.927	5.119	30714899	27827558	506.512	492.721
23)	L5 AR-1248-3	6.130	5.161	34359439	29174304	519.181	493.584
24)	L5 AR-1248-4	6.529	5.333	44131890	34133080	504.987	490.046
25)	L5 AR-1248-5	6.568	5.725	42053839	34467498	506.516	494.232

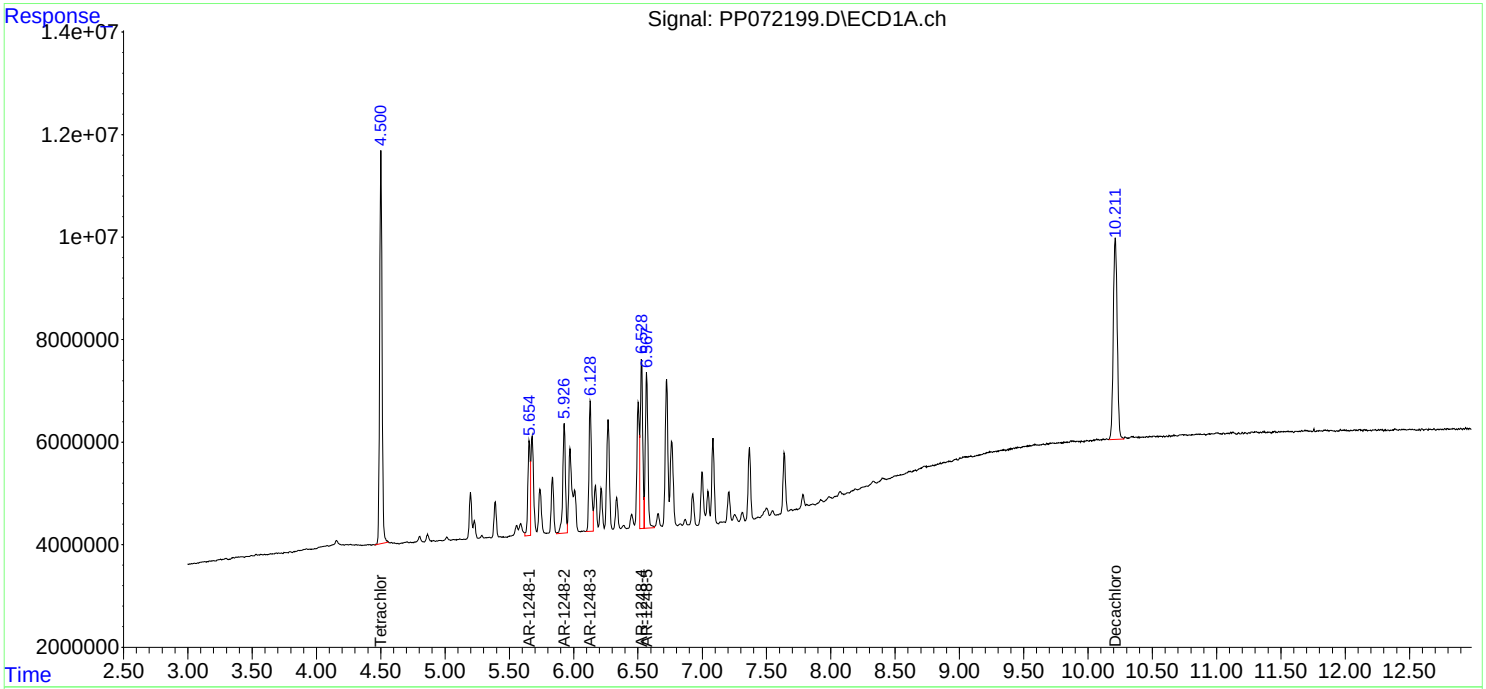
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

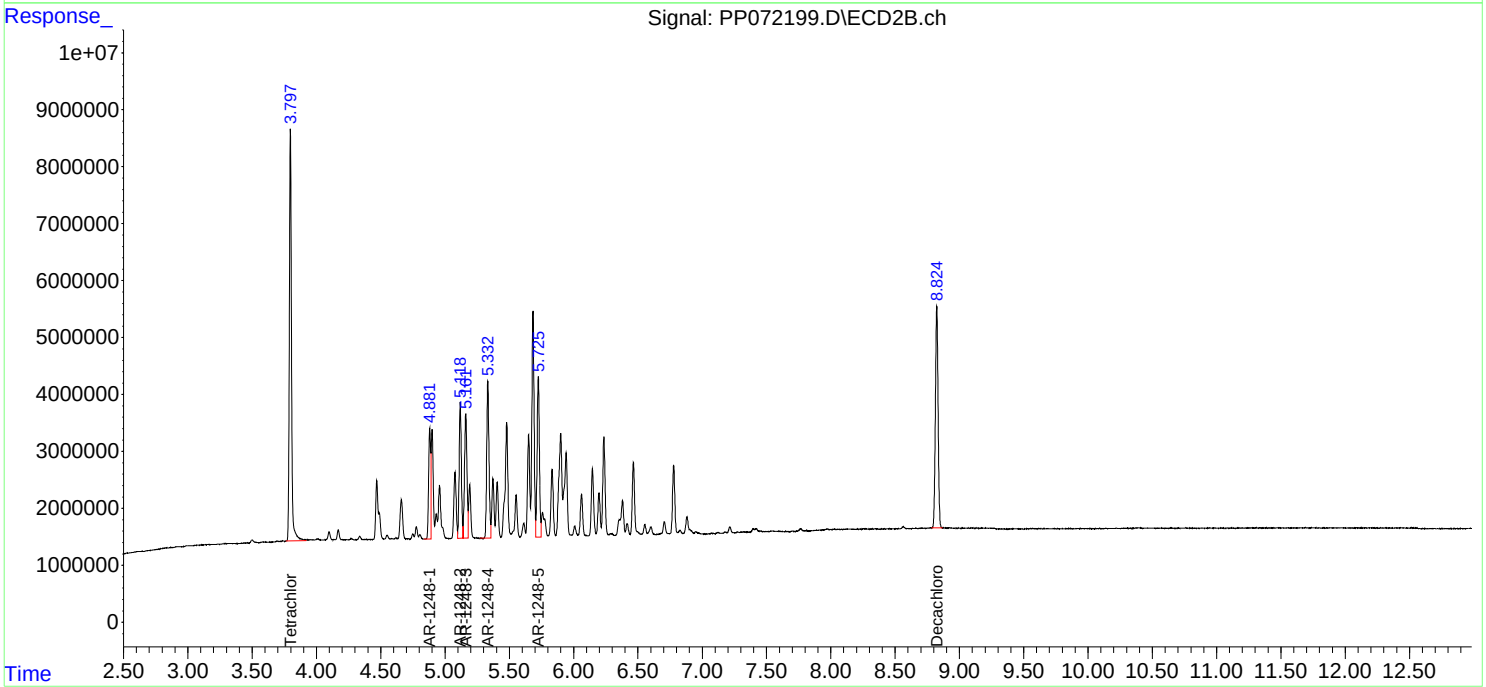
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

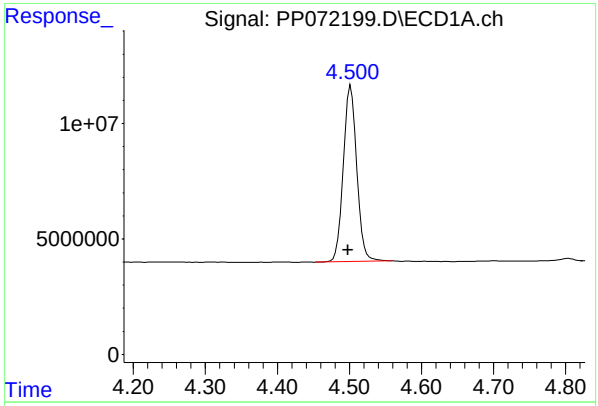
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



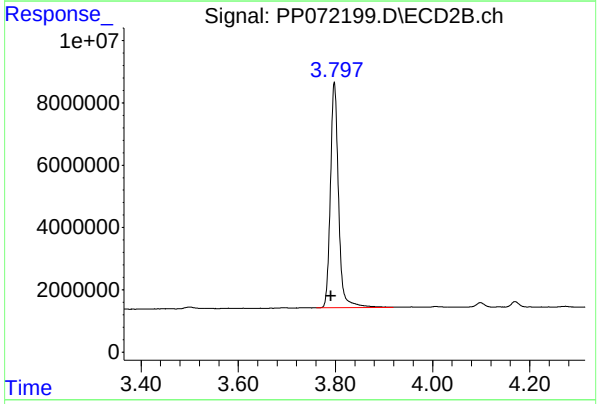




#1 Tetrachloro-m-xylene

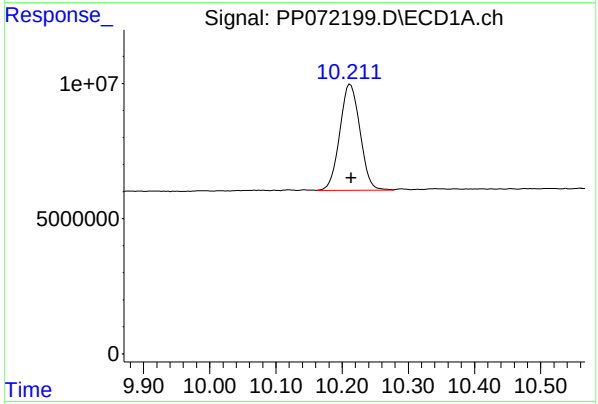
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 99024800
Conc: 49.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



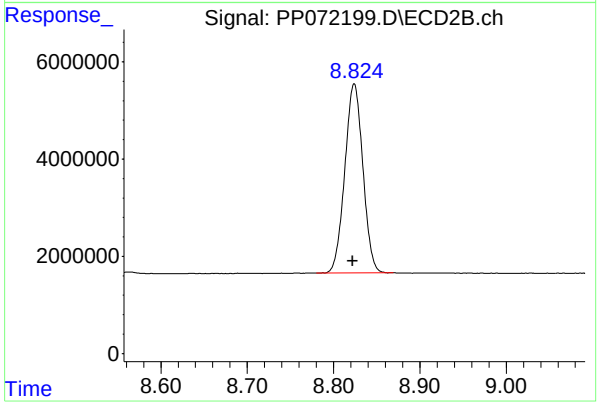
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 84569869
Conc: 52.91 ng/ml



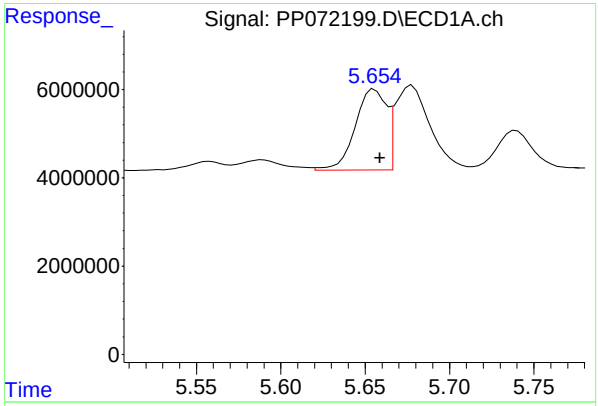
#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.002 min
Response: 83034822
Conc: 50.97 ng/ml



#2 Decachlorobiphenyl

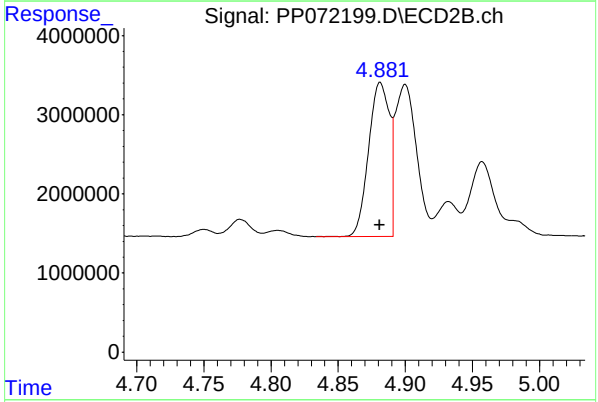
R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 56507020
Conc: 53.38 ng/ml



#21 AR-1248-1

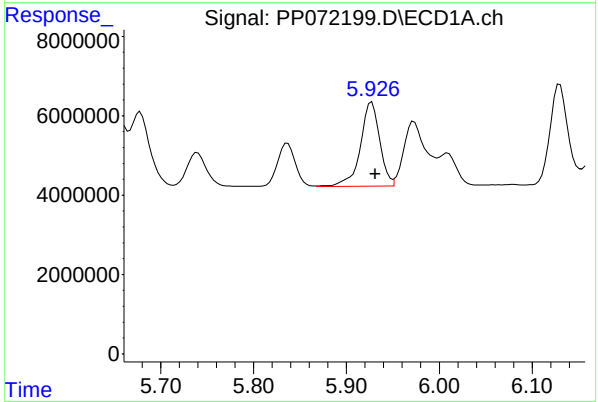
R.T.: 5.656 min
Delta R.T.: -0.003 min
Response: 23569496
Conc: 487.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



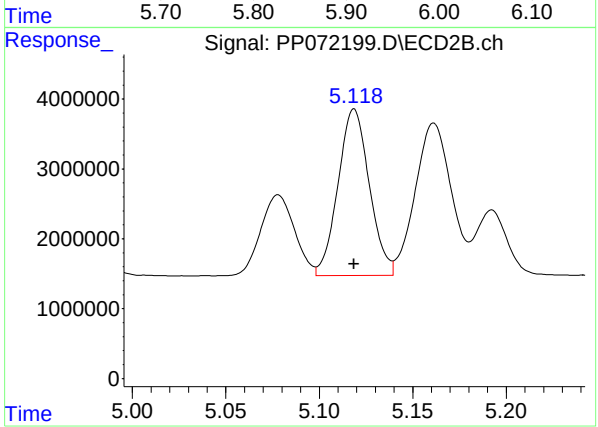
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 21026666
Conc: 485.36 ng/ml



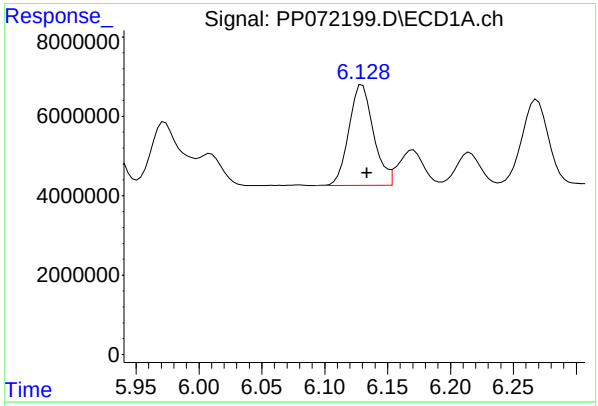
#22 AR-1248-2

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 30714899
Conc: 506.51 ng/ml



#22 AR-1248-2

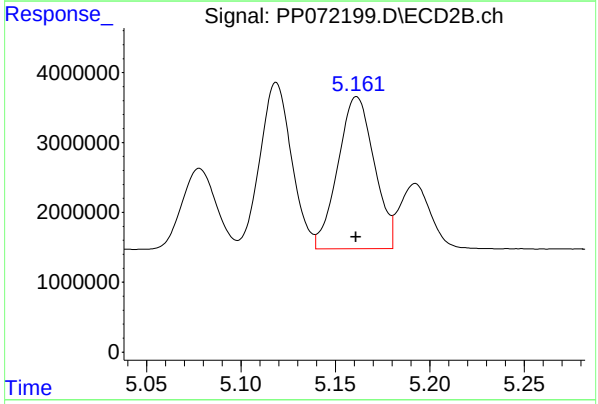
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 27827558
Conc: 492.72 ng/ml



#23 AR-1248-3

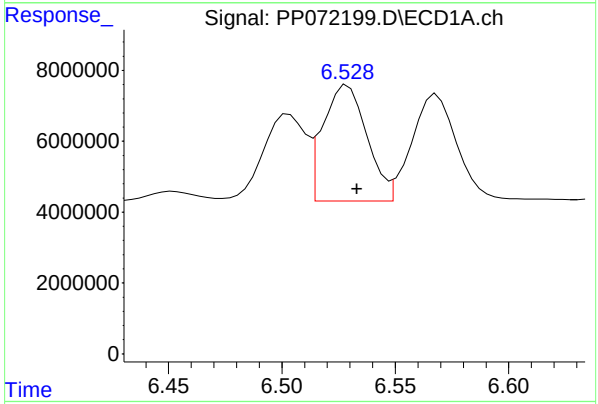
R.T.: 6.130 min
Delta R.T.: -0.004 min
Response: 34359439
Conc: 519.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



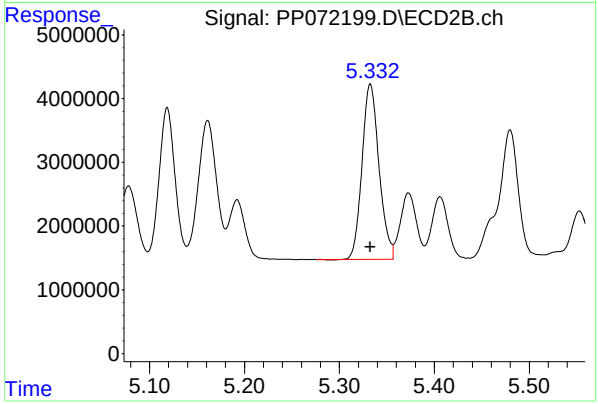
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 29174304
Conc: 493.58 ng/ml



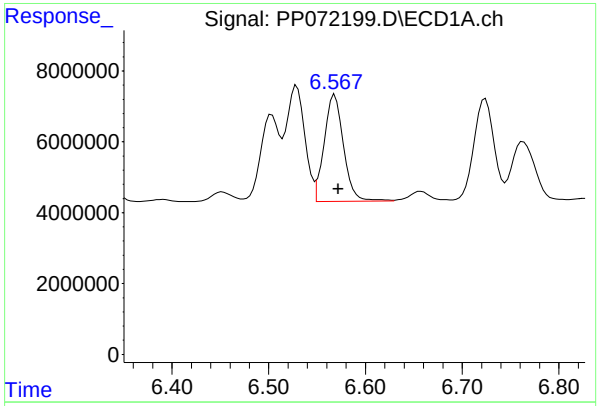
#24 AR-1248-4

R.T.: 6.529 min
Delta R.T.: -0.004 min
Response: 44131890
Conc: 504.99 ng/ml



#24 AR-1248-4

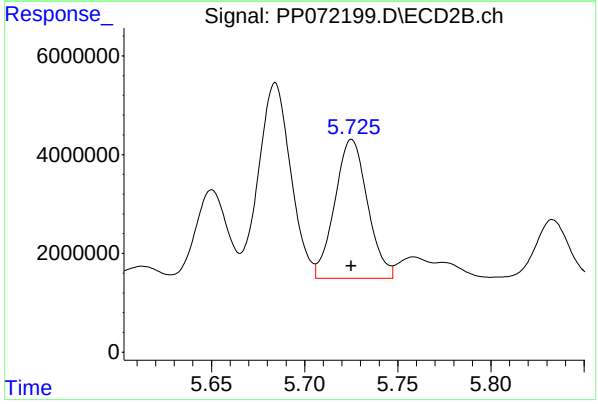
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 34133080
Conc: 490.05 ng/ml



#25 AR-1248-5

R.T.: 6.568 min
Delta R.T.: -0.003 min
Response: 42053839
Conc: 506.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 34467498
Conc: 494.23 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:52
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	100.3E6	87142783	49.887	54.520
2)	SA Decachlor...	10.214	8.823	83987433	56189590	51.554	53.079
	Target Compounds						
26)	L6 AR-1254-1	6.506	5.684	43414677	50851971	504.803	508.752
27)	L6 AR-1254-2	6.722	5.832	65079227	43668465	498.015	505.967
28)	L6 AR-1254-3	7.085	6.235	66155023	67680378	501.163	526.201
29)	L6 AR-1254-4	7.367	6.463	61672158	43977452	472.545	515.584
30)	L6 AR-1254-5	7.784	6.881	58110470	59298415	522.357	523.137

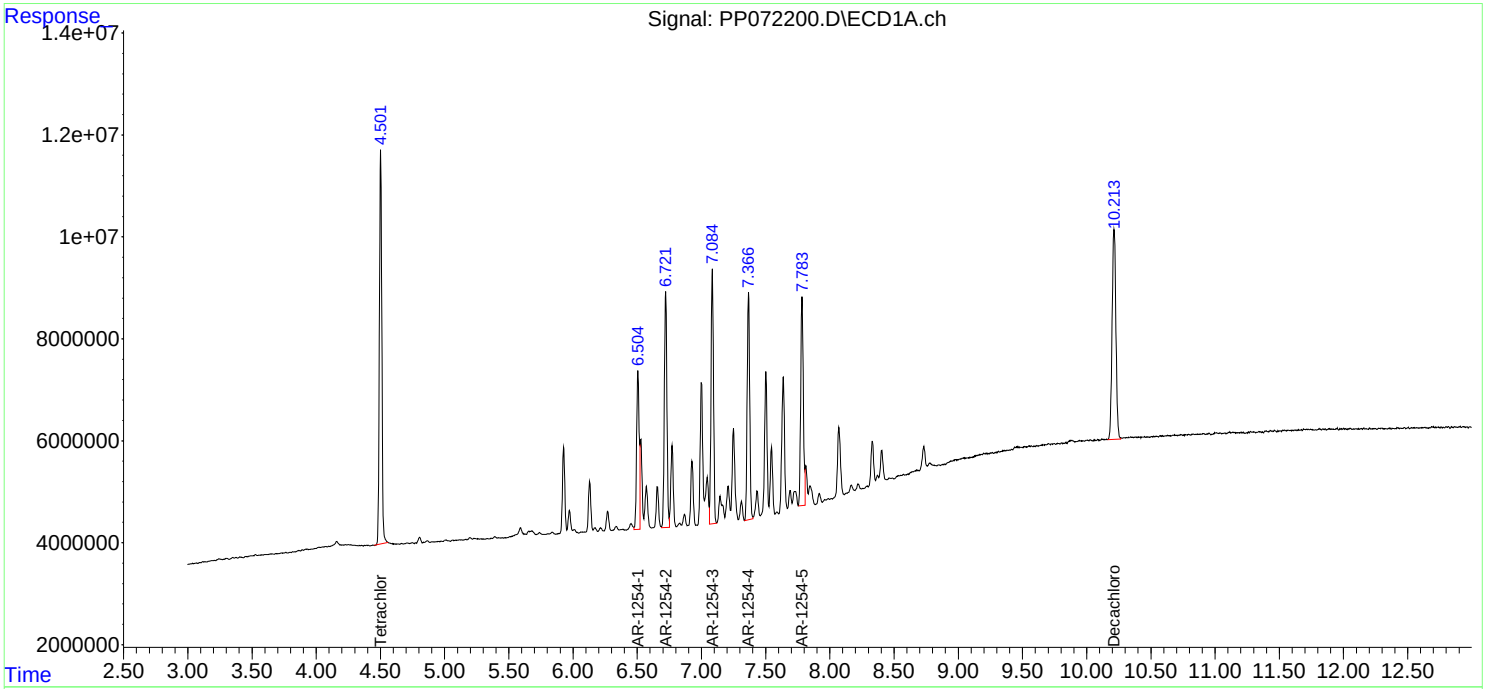
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

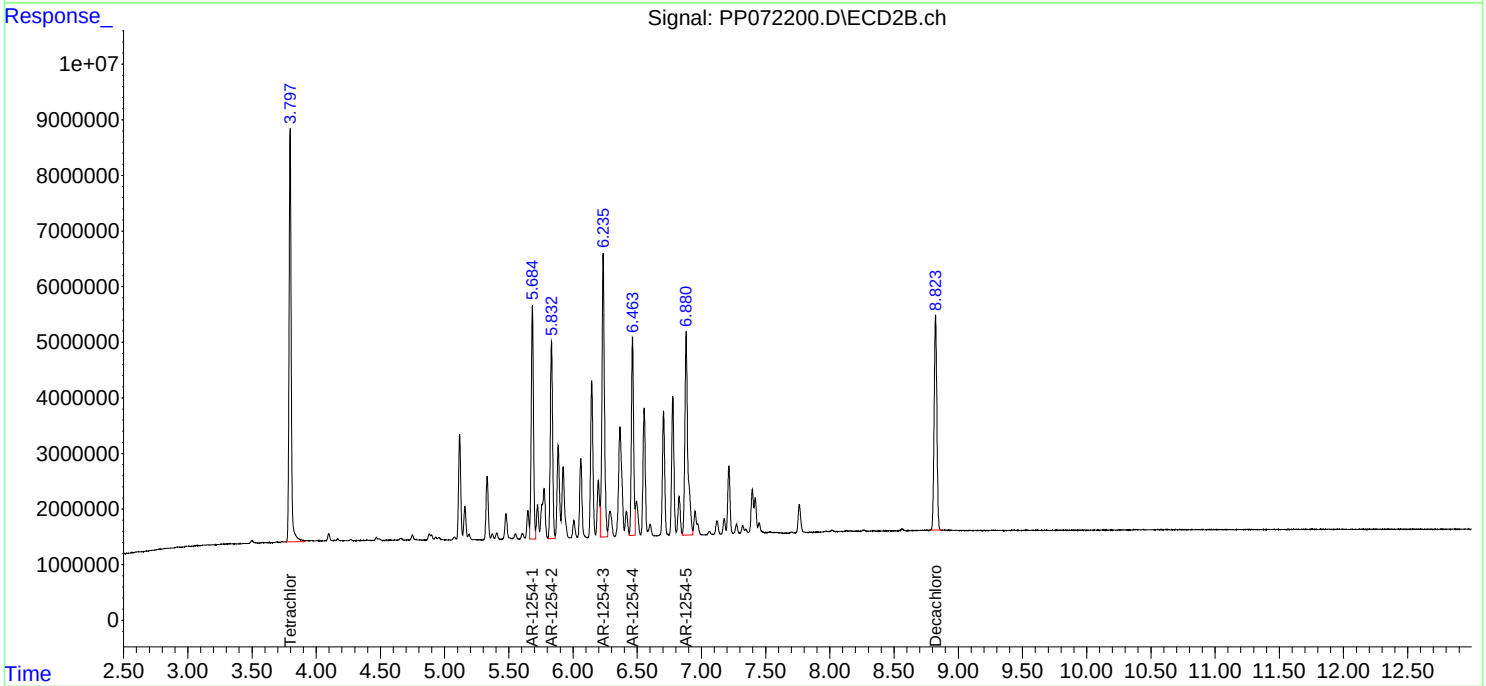
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:52
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

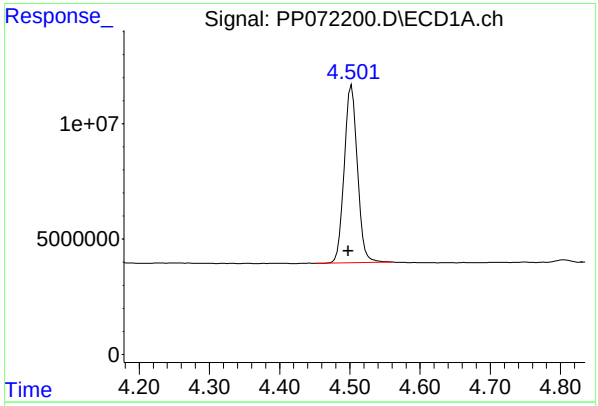
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



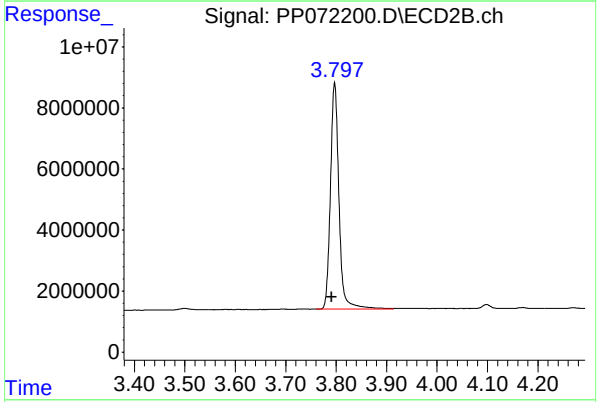




#1 Tetrachloro-m-xylene

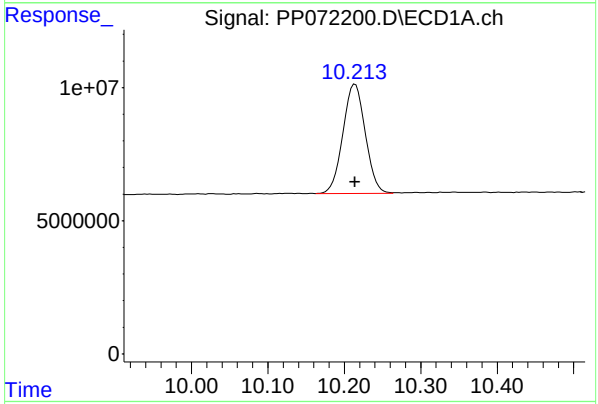
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 100311884
Conc: 49.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



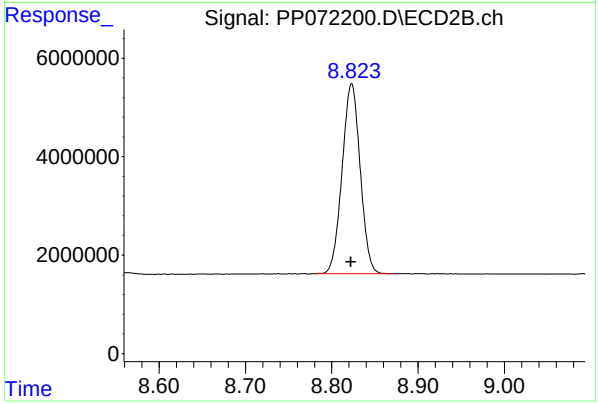
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 87142783
Conc: 54.52 ng/ml



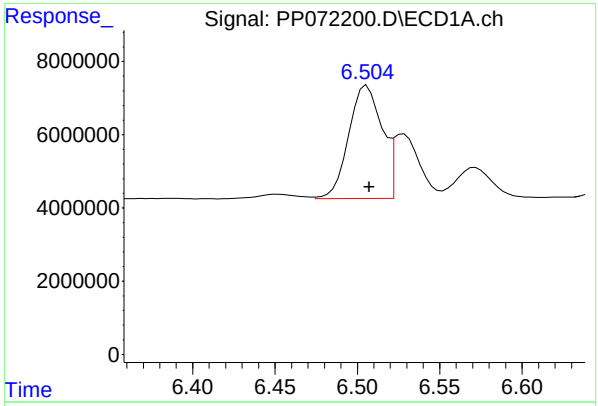
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 83987433
Conc: 51.55 ng/ml



#2 Decachlorobiphenyl

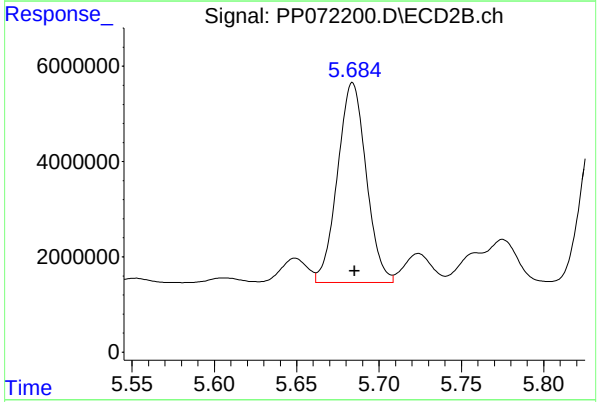
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 56189590
Conc: 53.08 ng/ml



#26 AR-1254-1

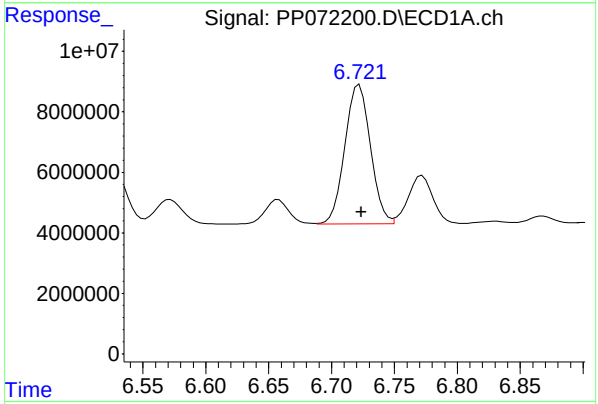
R.T.: 6.506 min
Delta R.T.: -0.002 min
Response: 43414677
Conc: 504.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



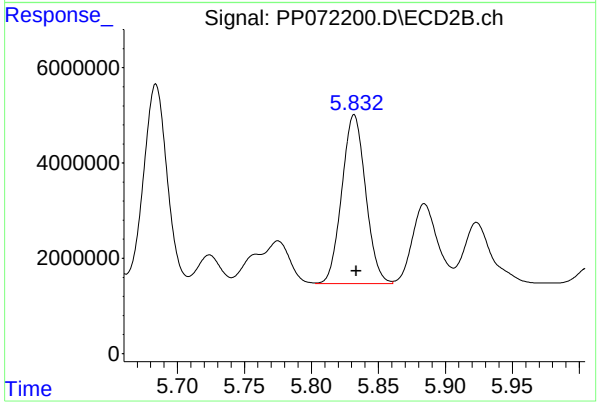
#26 AR-1254-1

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 50851971
Conc: 508.75 ng/ml



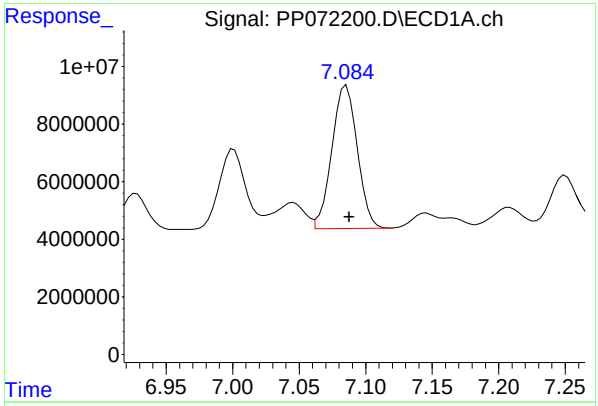
#27 AR-1254-2

R.T.: 6.722 min
Delta R.T.: -0.002 min
Response: 65079227
Conc: 498.01 ng/ml



#27 AR-1254-2

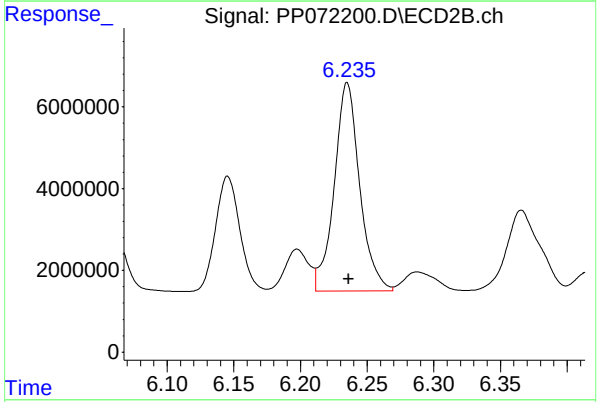
R.T.: 5.832 min
Delta R.T.: -0.002 min
Response: 43668465
Conc: 505.97 ng/ml



#28 AR-1254-3

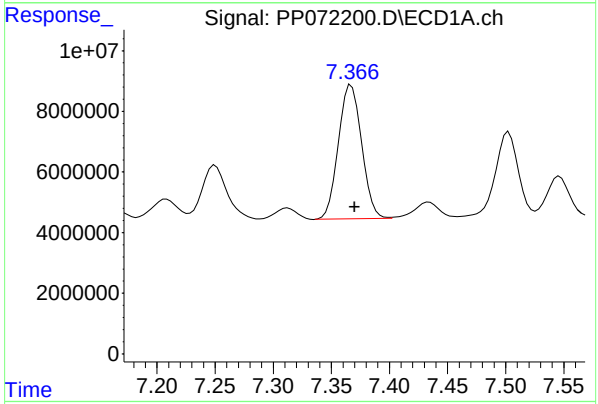
R.T.: 7.085 min
Delta R.T.: -0.002 min
Response: 66155023
Conc: 501.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



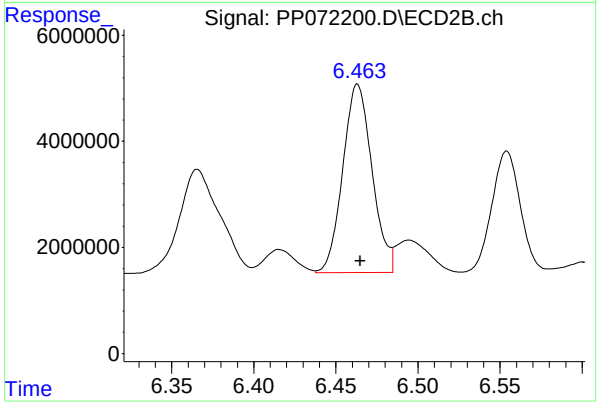
#28 AR-1254-3

R.T.: 6.235 min
Delta R.T.: -0.001 min
Response: 67680378
Conc: 526.20 ng/ml



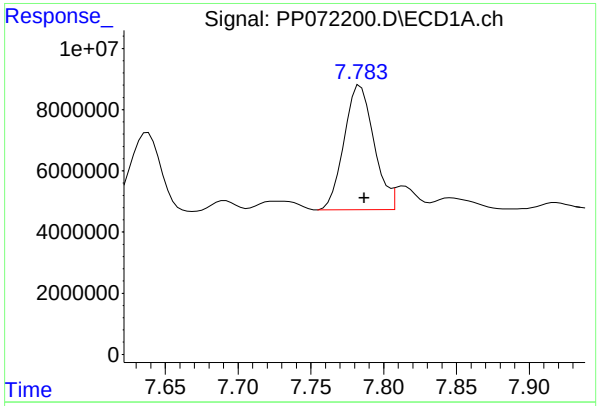
#29 AR-1254-4

R.T.: 7.367 min
Delta R.T.: -0.003 min
Response: 61672158
Conc: 472.54 ng/ml



#29 AR-1254-4

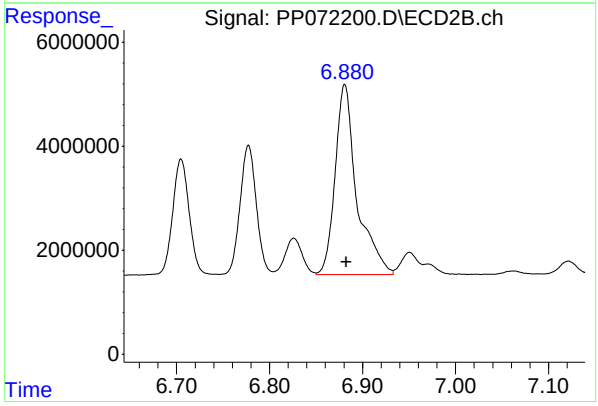
R.T.: 6.463 min
Delta R.T.: -0.002 min
Response: 43977452
Conc: 515.58 ng/ml



#30 AR-1254-5

R.T.: 7.784 min
Delta R.T.: -0.003 min
Response: 58110470
Conc: 522.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



#30 AR-1254-5

R.T.: 6.881 min
Delta R.T.: -0.002 min
Response: 59298415
Conc: 523.14 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:25
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:19:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.504	3.798	100.4E6	87828193	52.612	54.920
2)	SA Decachlor...	10.216	8.824	147.5E6	102.0E6	52.061	53.249
	Target Compounds						
41)	L9 AR-1268-1	8.720	7.702	171.0E6	124.0E6	513.323	529.555
42)	L9 AR-1268-2	8.812	7.768	144.0E6	108.9E6	514.169	526.775
43)	L9 AR-1268-3	9.044	7.971	123.7E6	91750131	512.196	541.712
44)	L9 AR-1268-4	9.463	8.266	54675516	40276953	520.976	552.065
45)	L9 AR-1268-5	9.877	8.565	344.9E6	244.7E6	509.466	535.577

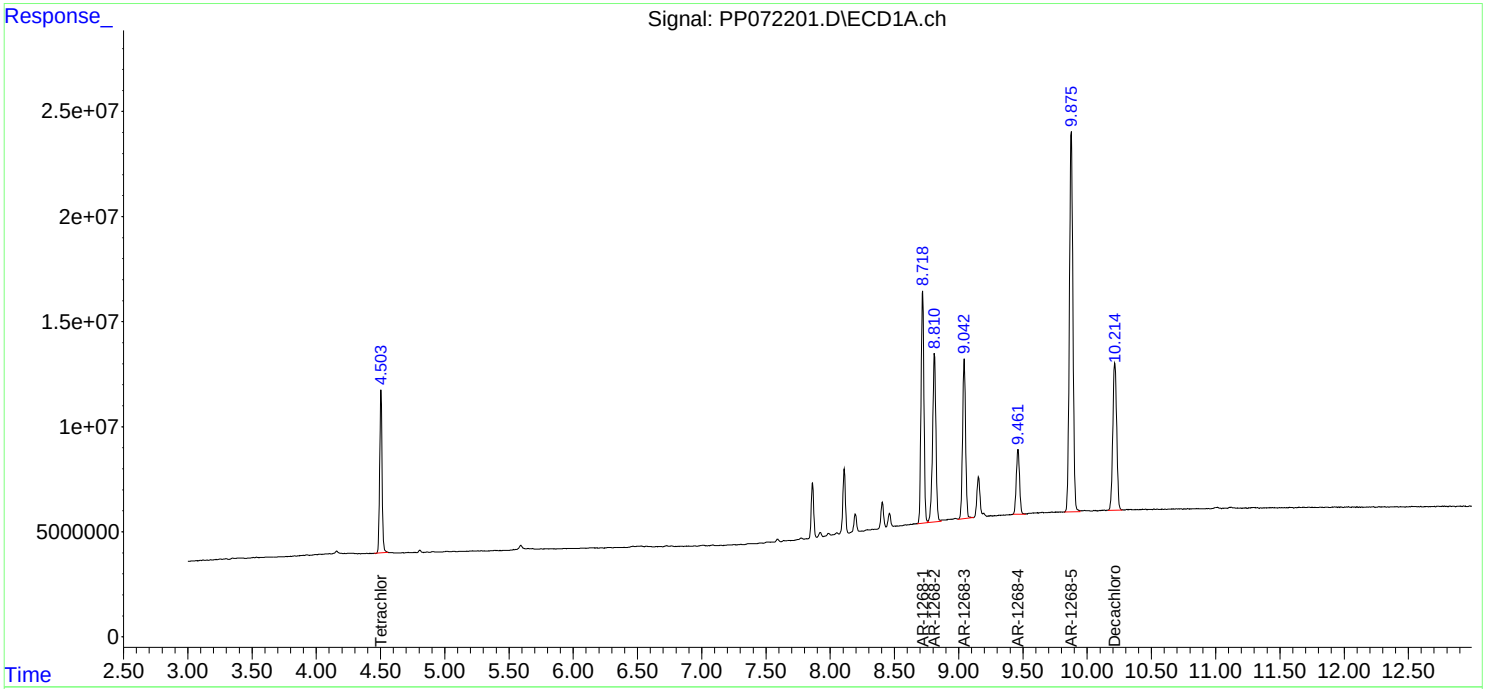
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

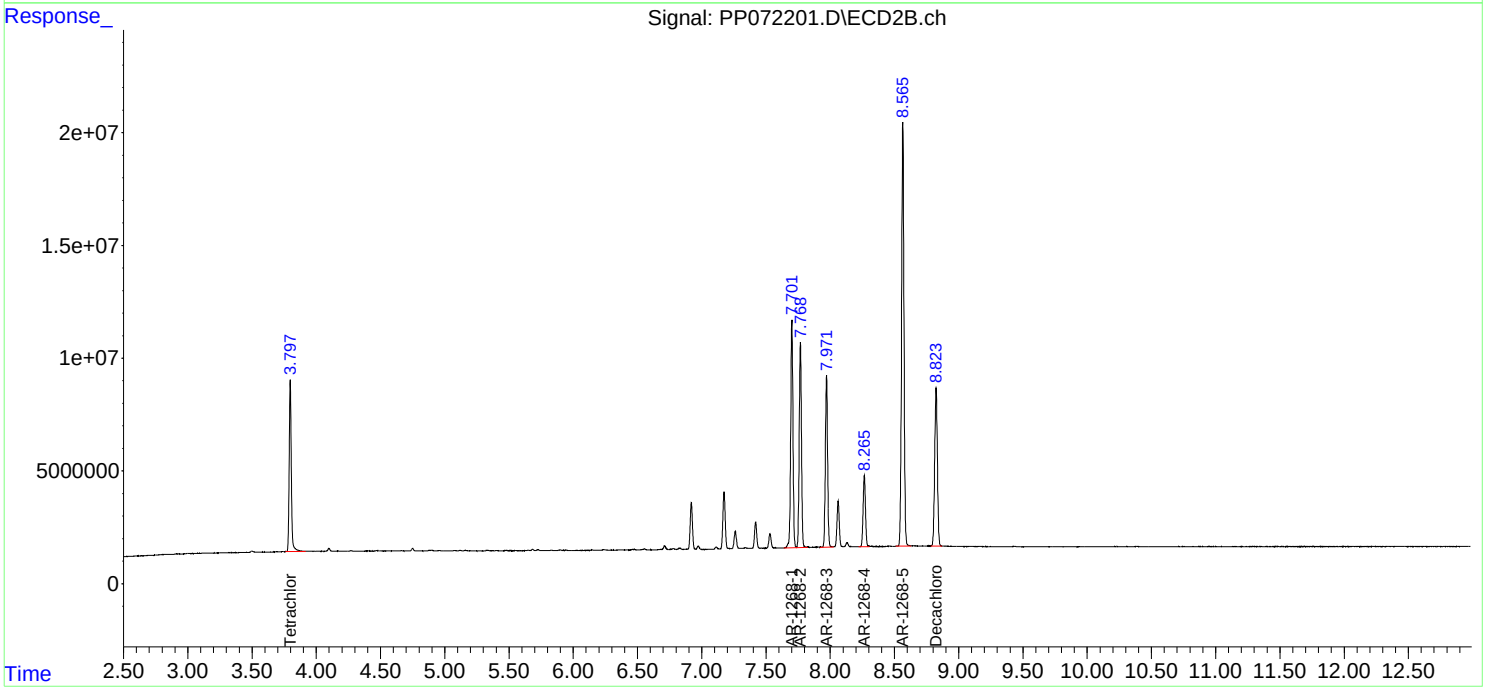
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:25
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

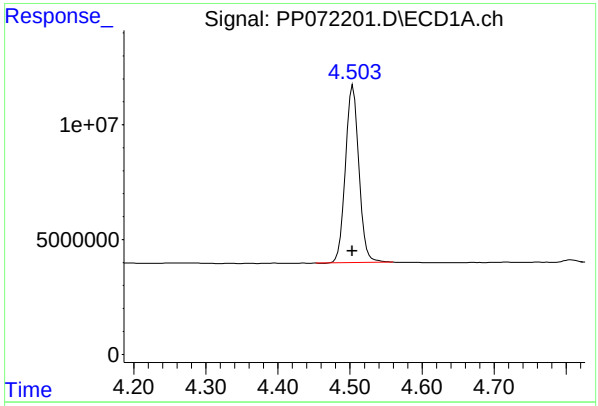
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:19:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



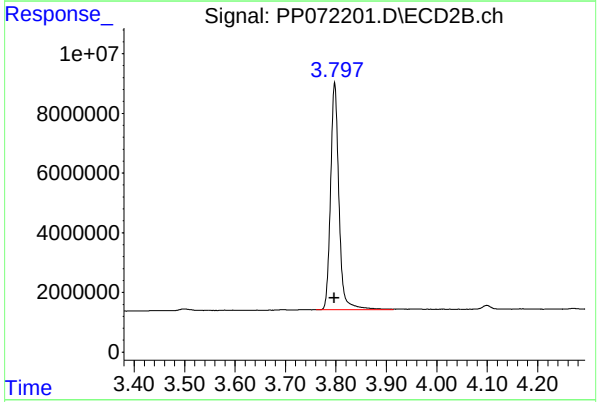




#1 Tetrachloro-m-xylene

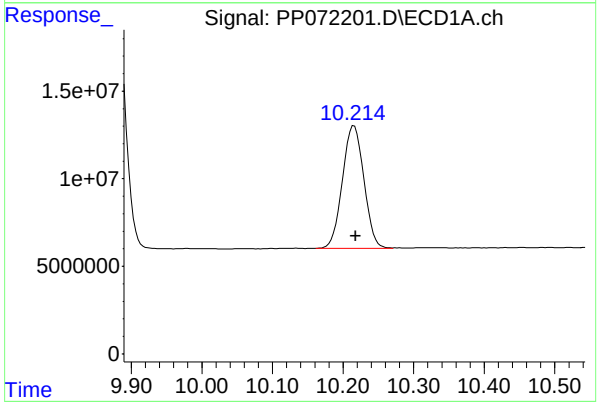
R.T.: 4.504 min
Delta R.T.: 0.001 min
Response: 100428781
Conc: 52.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



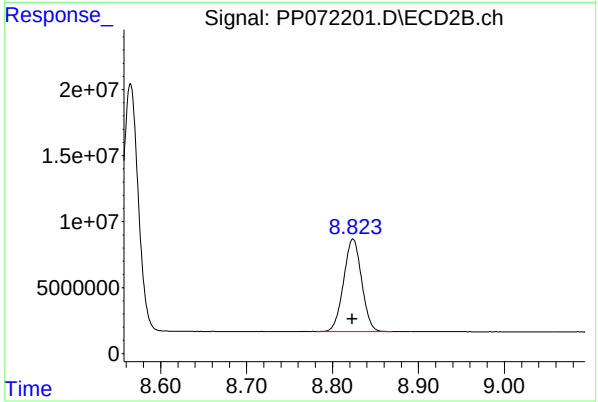
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 87828193
Conc: 54.92 ng/ml



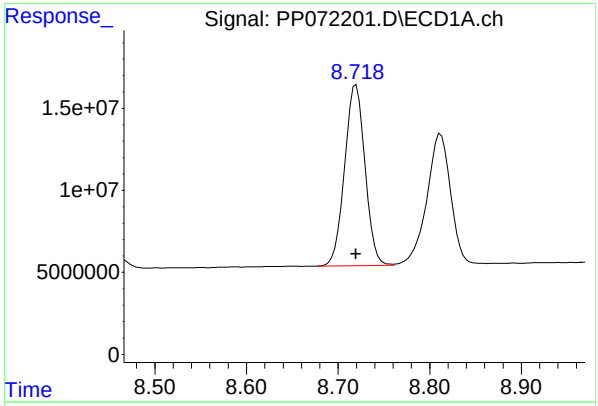
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.002 min
Response: 147465994
Conc: 52.06 ng/ml



#2 Decachlorobiphenyl

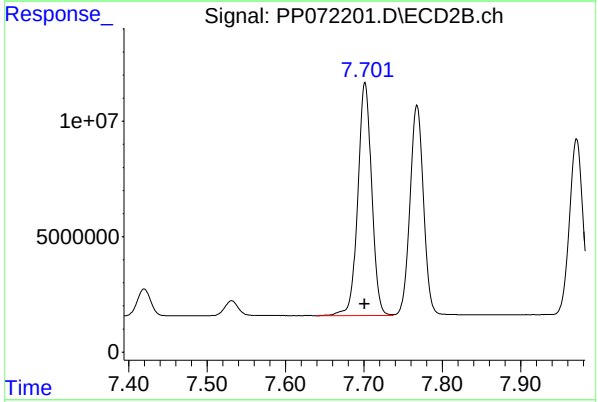
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 101950666
Conc: 53.25 ng/ml



#41 AR-1268-1

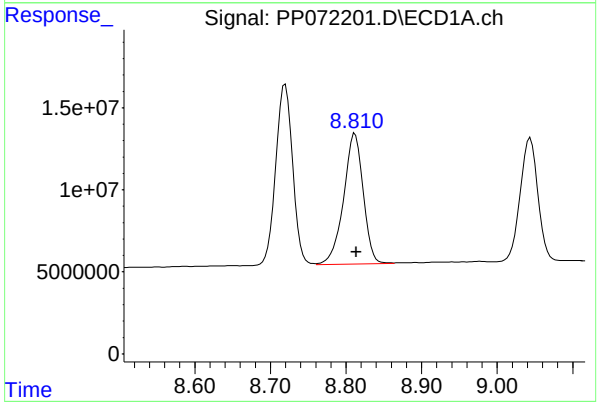
R.T.: 8.720 min
Delta R.T.: 0.000 min
Response: 171014372
Conc: 513.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



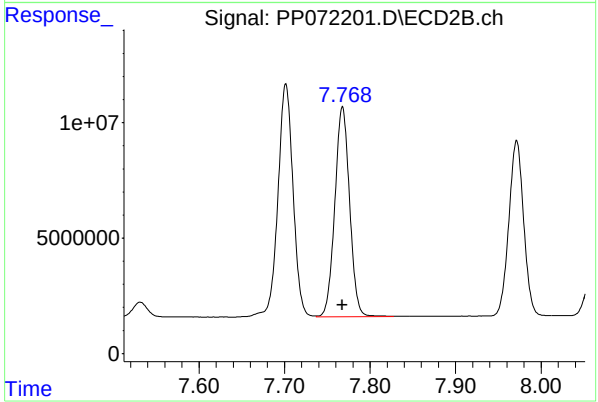
#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 124031081
Conc: 529.56 ng/ml



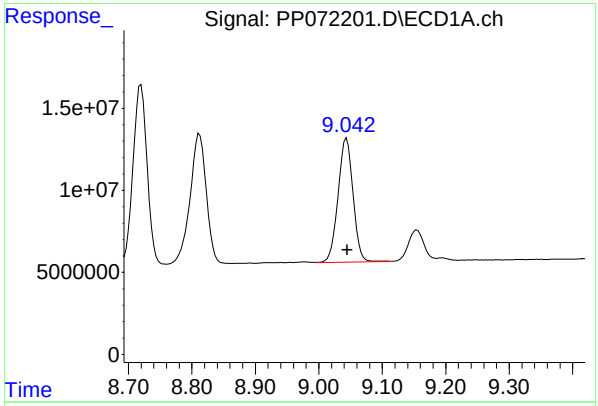
#42 AR-1268-2

R.T.: 8.812 min
Delta R.T.: -0.002 min
Response: 143961364
Conc: 514.17 ng/ml



#42 AR-1268-2

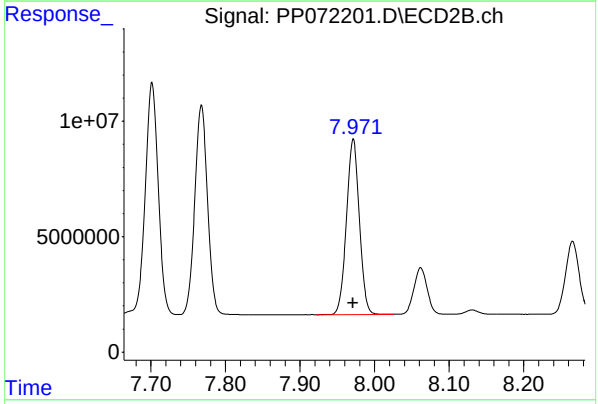
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 108947480
Conc: 526.78 ng/ml



#43 AR-1268-3

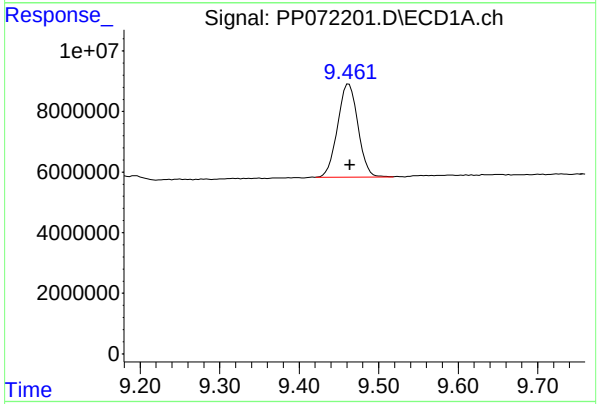
R.T.: 9.044 min
Delta R.T.: -0.001 min
Response: 123677575
Conc: 512.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



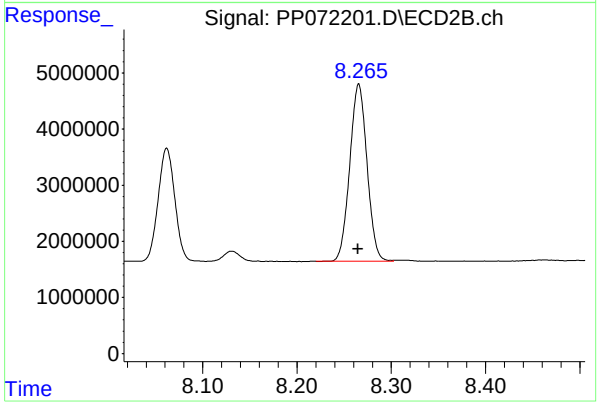
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 91750131
Conc: 541.71 ng/ml



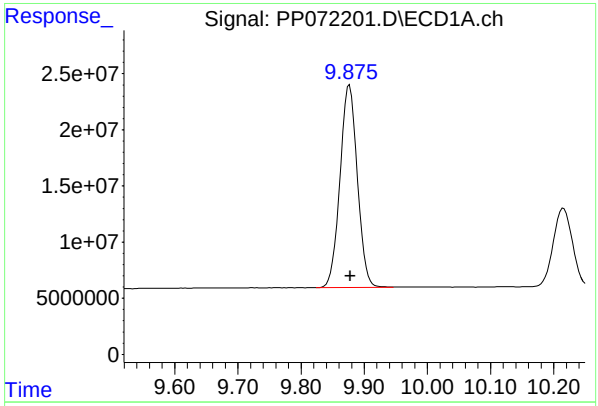
#44 AR-1268-4

R.T.: 9.463 min
Delta R.T.: -0.001 min
Response: 54675516
Conc: 520.98 ng/ml



#44 AR-1268-4

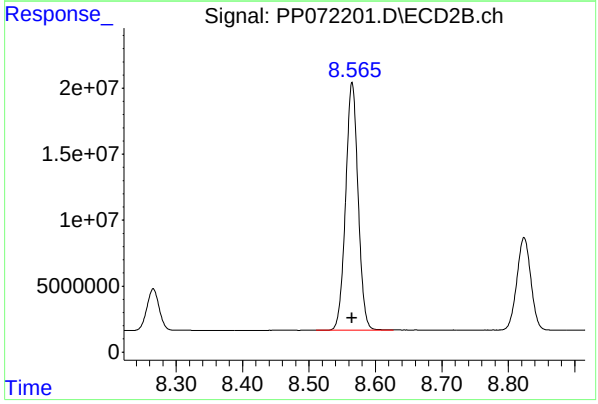
R.T.: 8.266 min
Delta R.T.: 0.000 min
Response: 40276953
Conc: 552.07 ng/ml



#45 AR-1268-5

R.T.: 9.877 min
Delta R.T.: -0.001 min
Response: 344908763
Conc: 509.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: 0.000 min
Response: 244738283
Conc: 535.58 ng/ml

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

Calibration Times: 00:10 01:16

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

LAB FILE ID: RT 1000 = PP072341.D RT 750 = PP072342.D

RT 500 = PP072343.D RT 250 = PP072344.D RT 050 = PP072345.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1221-1	(1)	4.70	4.70	4.70	4.70	4.70	4.70	4.60	4.80
Aroclor-1221-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1221-3	(3)	4.87	4.86	4.86	4.87	4.86	4.86	4.76	4.96
Decachlorobiphenyl		10.21	10.20	10.21	10.21	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

Calibration Times: 00:10 01:16

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

LAB FILE ID: RT 1000 = PP072341.D RT 750 = PP072342.D

RT 500 = PP072343.D RT 250 = PP072344.D RT 050 = PP072345.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1221-1	(1)	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Aroclor-1221-2	(2)	4.09	4.09	4.09	4.09	4.09	4.09	3.99	4.19
Aroclor-1221-3	(3)	4.17	4.17	4.17	4.17	4.17	4.17	4.07	4.27
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

Calibration Times: 00:10 01:16

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

LAB FILE ID: **CF 1000 =** PP072341.D **CF 750 =** PP072342.D

CF 500 = PP072343.D **CF 250 =** PP072344.D **CF 050 =** PP072345.D

COMPOUND	CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1221-1 (1)	24968587	25975575	27027744	28919436	23819440	26142156	7
Aroclor-1221-2 (2)	18746822	19383217	20503304	22500180	20862940	20399293	7
Aroclor-1221-3 (3)	56828533	59353579	62292258	64657668	59365160	60499440	5
Decachlorobiphenyl	1547037790	1607021893	1683520020	1701169640	1609305000	1629610869	4
Tetrachloro-m-xylene	1975205950	2043248813	2142343920	2182788720	1973734600	2063464401	5

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_P **Calibration Date(s):** 05/24/2025 05/24/2025

Calibration Times: 00:10 01:16

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

LAB FILE ID: **CF 1000 =** PP072341.D **CF 750 =** PP072342.D

CF 500 = PP072343.D **CF 250 =** PP072344.D **CF 050 =** PP072345.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1221-1	(1)	24196839	25795204	27364474	29021872	27672900	26810258	7
Aroclor-1221-2	(2)	18229798	19542389	20683678	21922496	22296280	20534928	8
Aroclor-1221-3	(3)	52369713	56014393	59333538	63841764	62879120	58887706	8
Decachlorobiphenyl		1042503600	1109170107	1179979760	1252224240	1231337800	1163043101	7
Tetrachloro-m-xylene		1648707580	1726775427	1770629260	1780609400	1722367400	1729817813	3

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:10
Operator : YP\AJ
Sample : AR1221ICC1000
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	197.5E6	164.9E6	92.198	93.114
2)	SA Decachlor...	10.207	8.818	154.7E6	104.3E6	91.893	88.349
	Target Compounds						
8)	L2 AR-1221-1	4.704	4.006	24968587	24196839	923.813	884.243
9)	L2 AR-1221-2	4.790	4.093	18746822	18229798	914.332	881.361
10)	L2 AR-1221-3	4.866	4.168	56828533	52369713	912.289	882.633

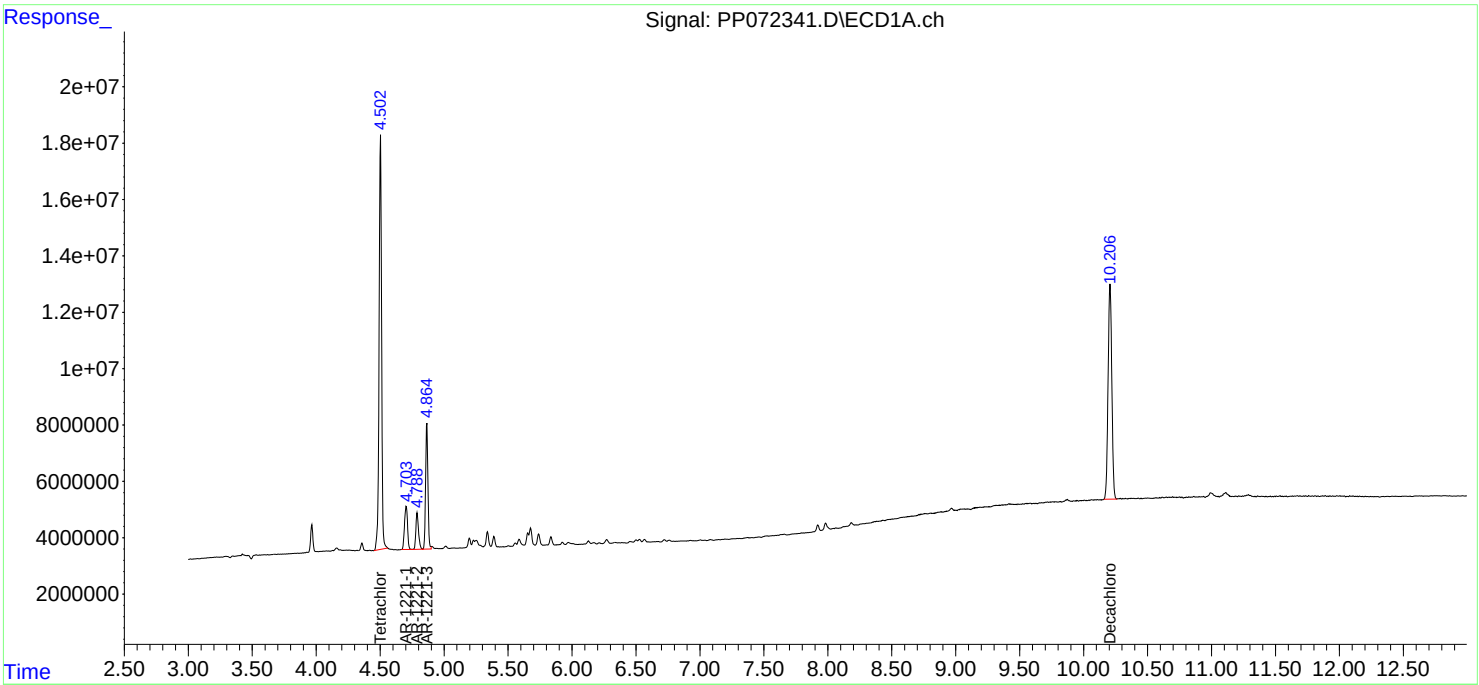
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

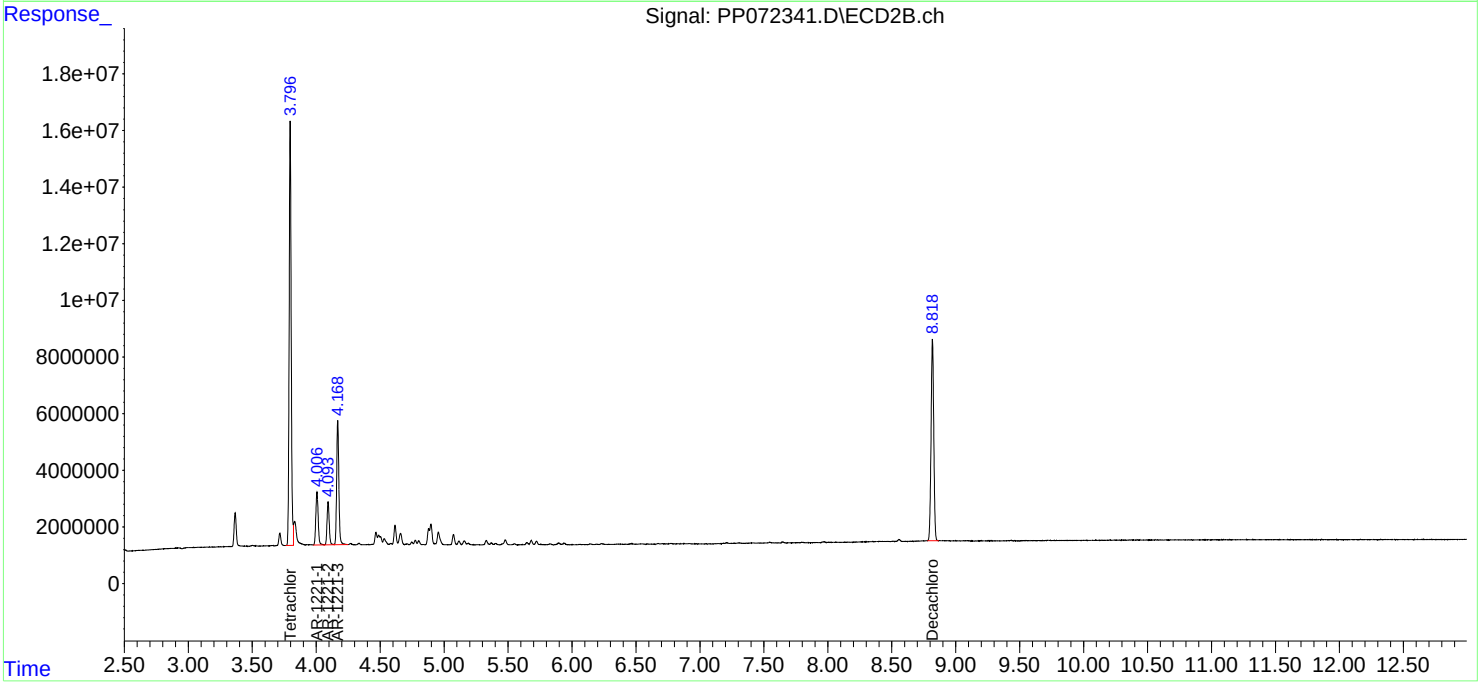
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:10
Operator : YP\AJ
Sample : AR1221ICC1000
Misc :
ALS Vial : 25 Sample Multiplier: 1

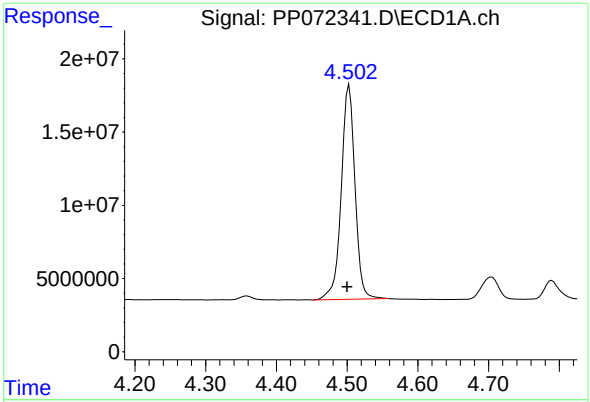
Instrument :
ECD_P
ClientSampleId :
AR1221ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



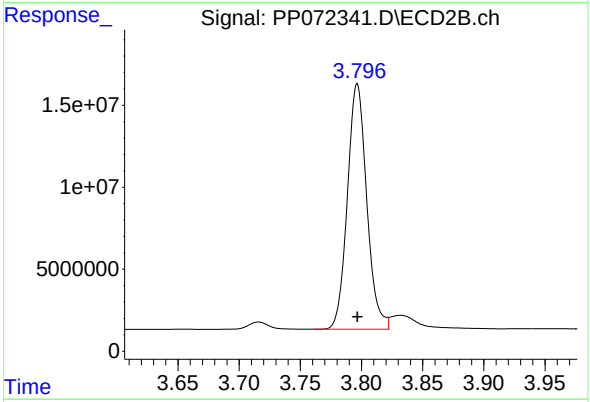




#1 Tetrachloro-m-xylene

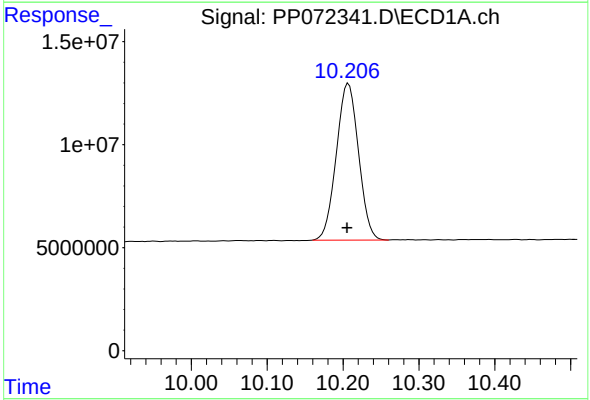
R.T.: 4.503 min
Delta R.T.: 0.003 min
Response: 197520595
Conc: 92.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC1000



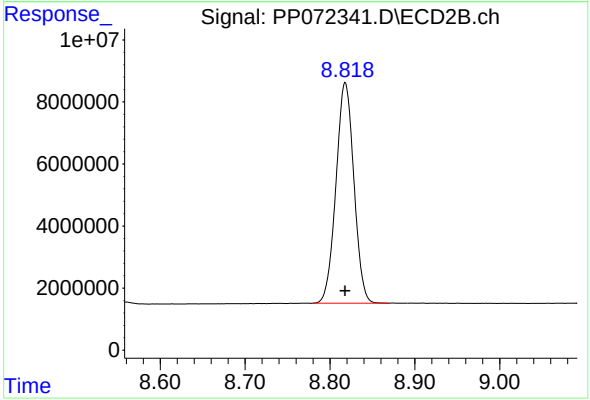
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 164870758
Conc: 93.11 ng/ml



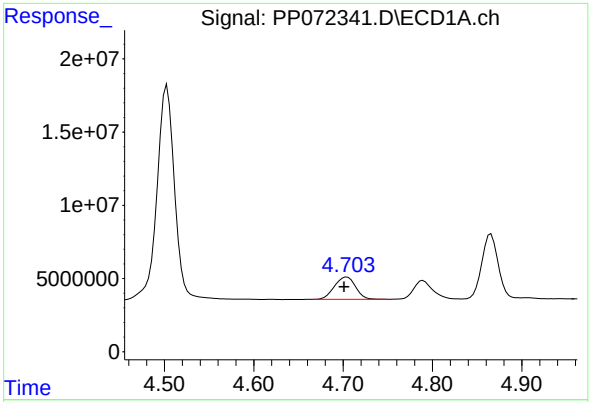
#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: 0.002 min
Response: 154703779
Conc: 91.89 ng/ml



#2 Decachlorobiphenyl

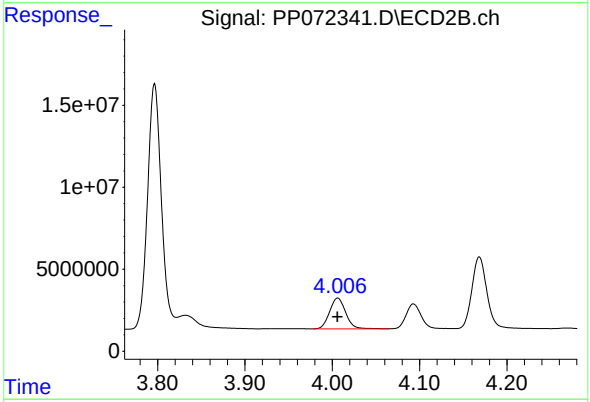
R.T.: 8.818 min
Delta R.T.: 0.000 min
Response: 104250360
Conc: 88.35 ng/ml



#8 AR-1221-1

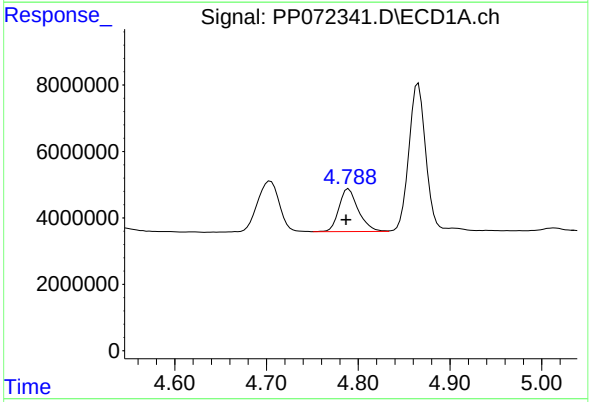
R.T.: 4.704 min
Delta R.T.: 0.003 min
Response: 24968587
Conc: 923.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC1000



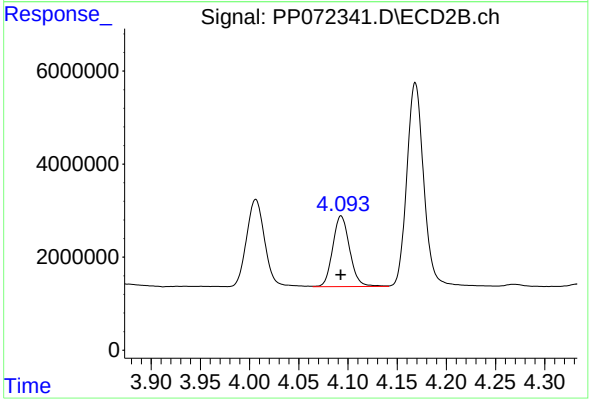
#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 24196839
Conc: 884.24 ng/ml



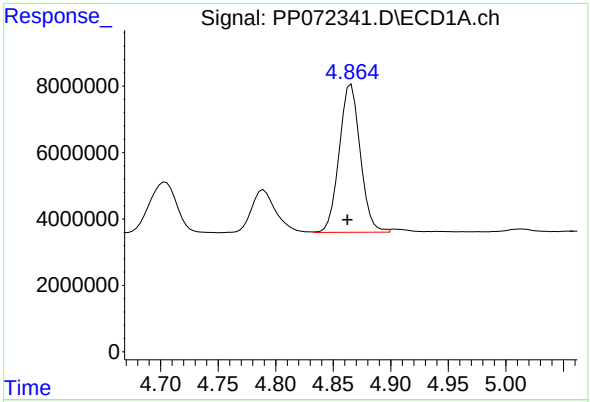
#9 AR-1221-2

R.T.: 4.790 min
Delta R.T.: 0.003 min
Response: 18746822
Conc: 914.33 ng/ml



#9 AR-1221-2

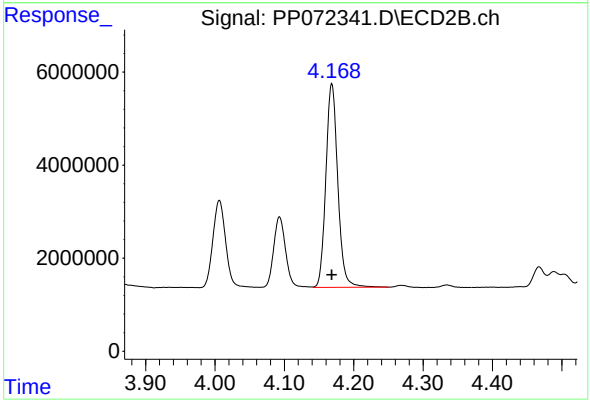
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 18229798
Conc: 881.36 ng/ml



#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 56828533
Conc: 912.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC1000



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 52369713
Conc: 882.63 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:27
Operator : YP\AJ
Sample : AR1221ICC750
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	153.2E6	129.5E6	71.531	73.142
2)	SA Decachlor...	10.204	8.817	120.5E6	83187758	71.592	70.499
	Target Compounds						
8)	L2 AR-1221-1	4.702	4.006	19481681	19346403	720.803	706.990
9)	L2 AR-1221-2	4.788	4.093	14537413	14656792	709.028	708.616
10)	L2 AR-1221-3	4.863	4.168	44515184	42010795	714.618	708.045

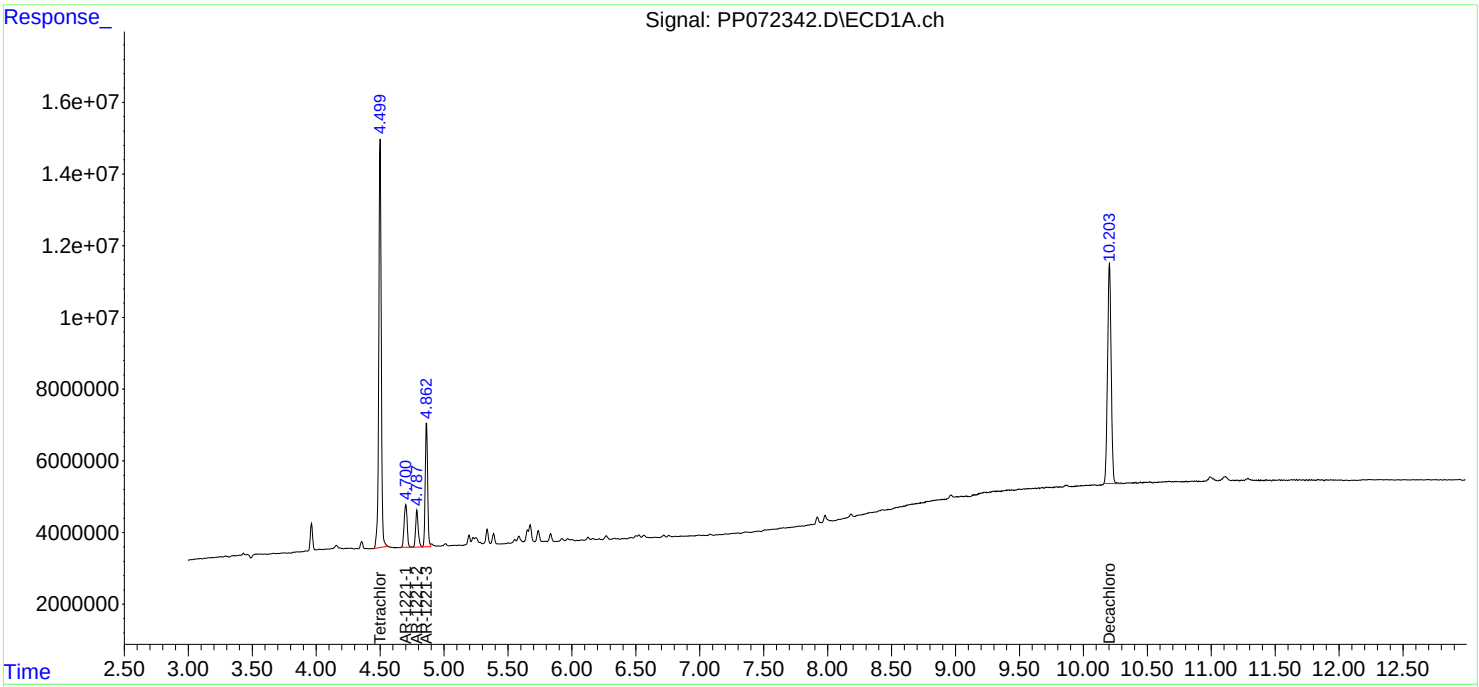
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

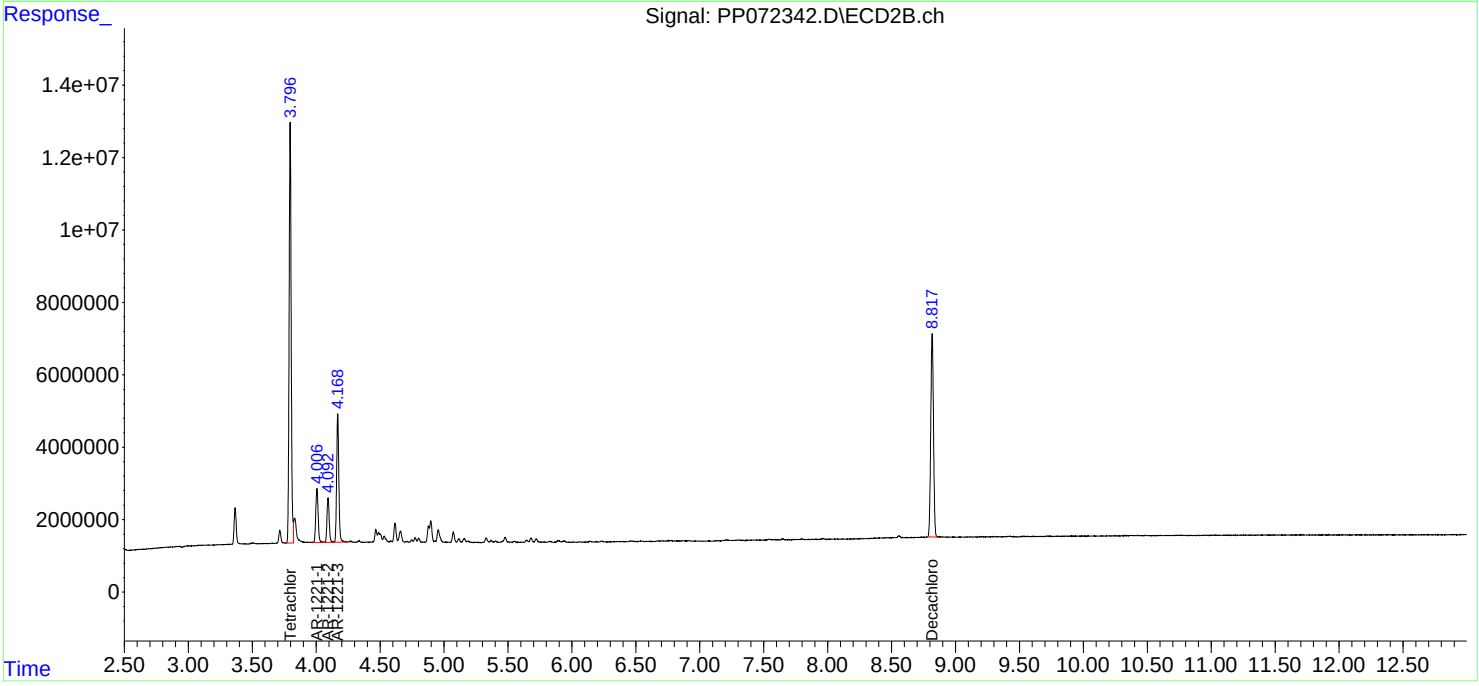
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:27
Operator : YP\AJ
Sample : AR1221ICC750
Misc :
ALS Vial : 26 Sample Multiplier: 1

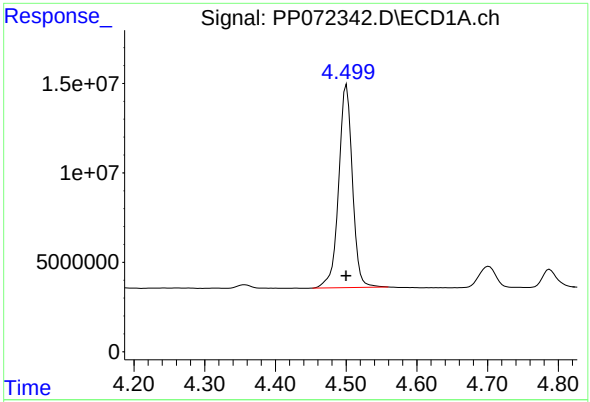
Instrument :
ECD_P
ClientSampleId :
AR1221ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



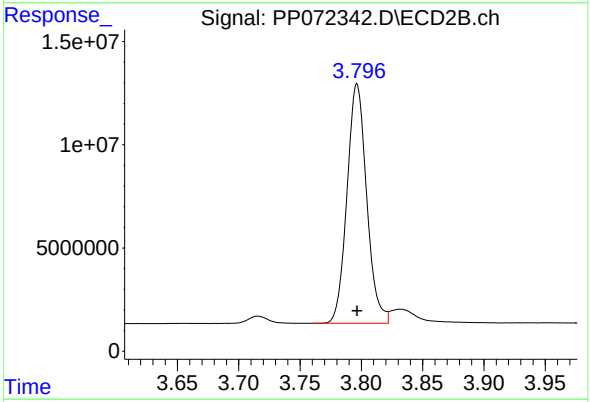




#1 Tetrachloro-m-xylene

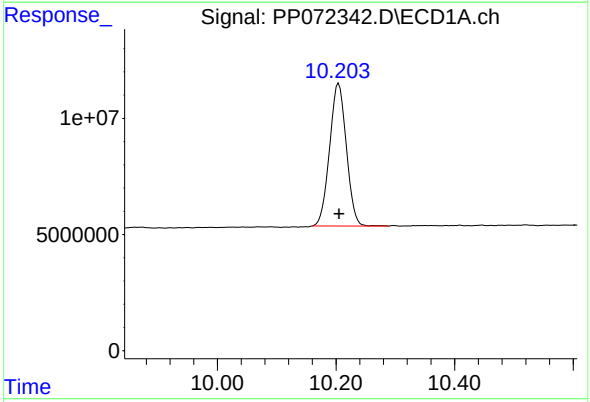
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 153243661
Conc: 71.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC750



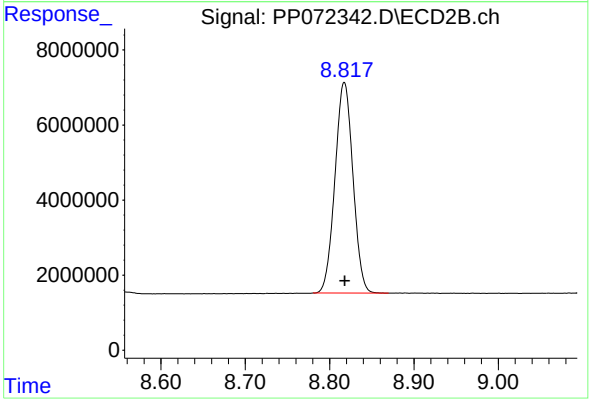
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 129508157
Conc: 73.14 ng/ml



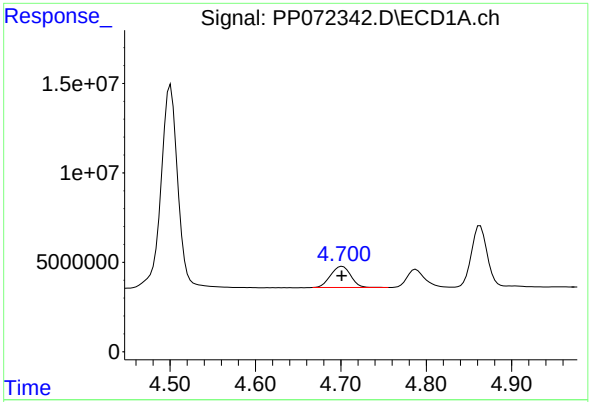
#2 Decachlorobiphenyl

R.T.: 10.204 min
Delta R.T.: 0.000 min
Response: 120526642
Conc: 71.59 ng/ml



#2 Decachlorobiphenyl

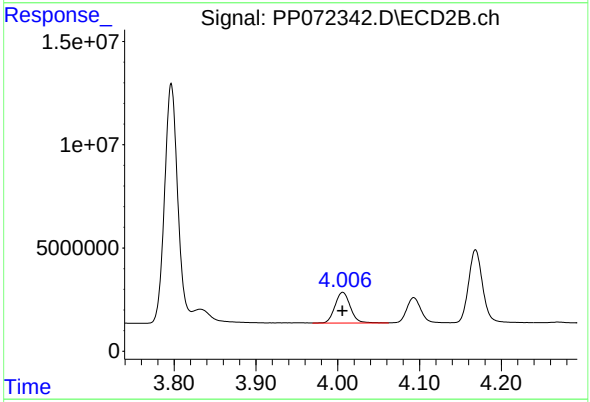
R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 83187758
Conc: 70.50 ng/ml



#8 AR-1221-1

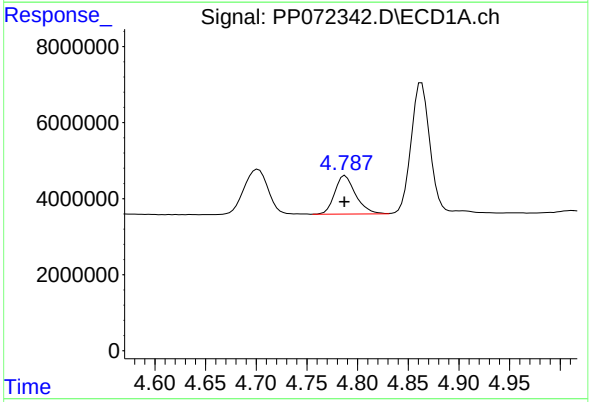
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 19481681
Conc: 720.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC750



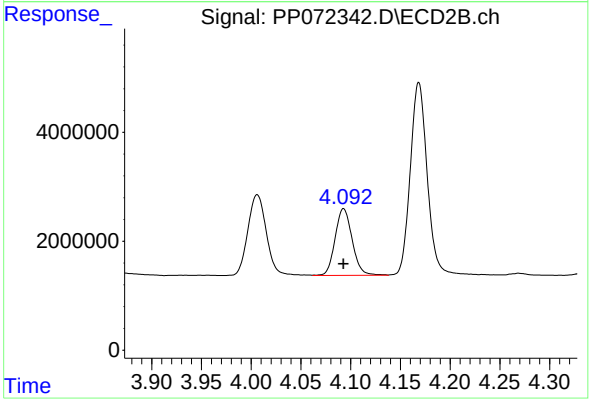
#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 19346403
Conc: 706.99 ng/ml



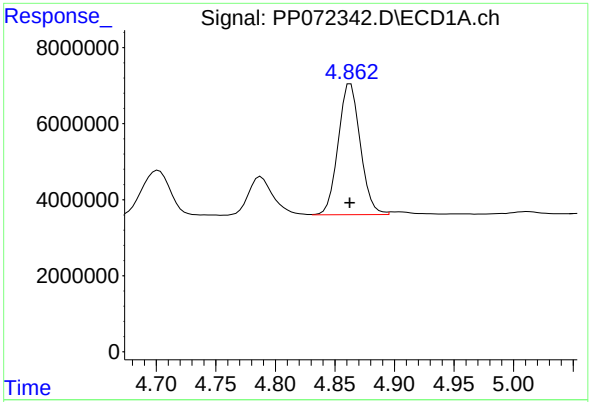
#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 14537413
Conc: 709.03 ng/ml



#9 AR-1221-2

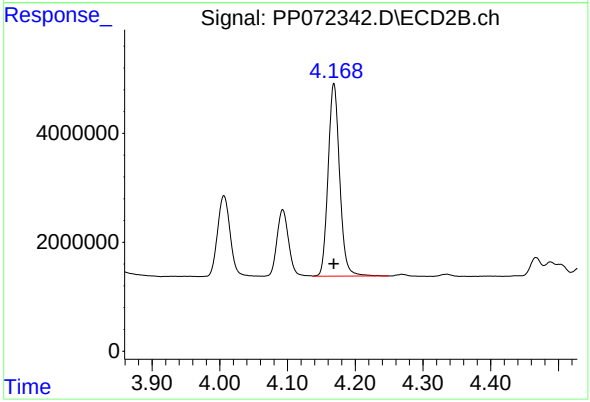
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 14656792
Conc: 708.62 ng/ml



#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 44515184
Conc: 714.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC750



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 42010795
Conc: 708.04 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:43
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.797	107.1E6	88531463	50.000	50.000
2)	SA Decachlor...	10.205	8.818	84176001	58998988	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.701	4.006	13513872	13682237	500.000	500.000
9)	L2 AR-1221-2	4.787	4.093	10251652	10341839	500.000	500.000
10)	L2 AR-1221-3	4.862	4.168	31146129	29666769	500.000	500.000

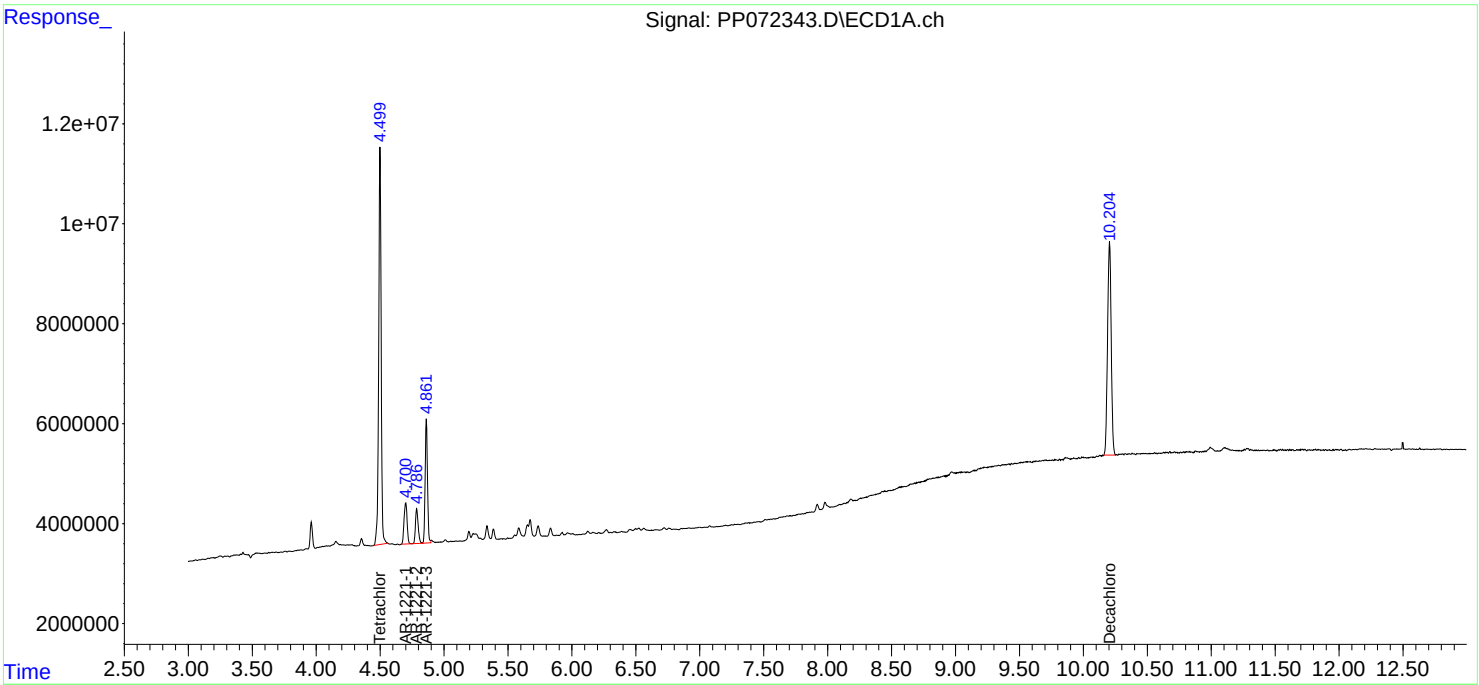
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

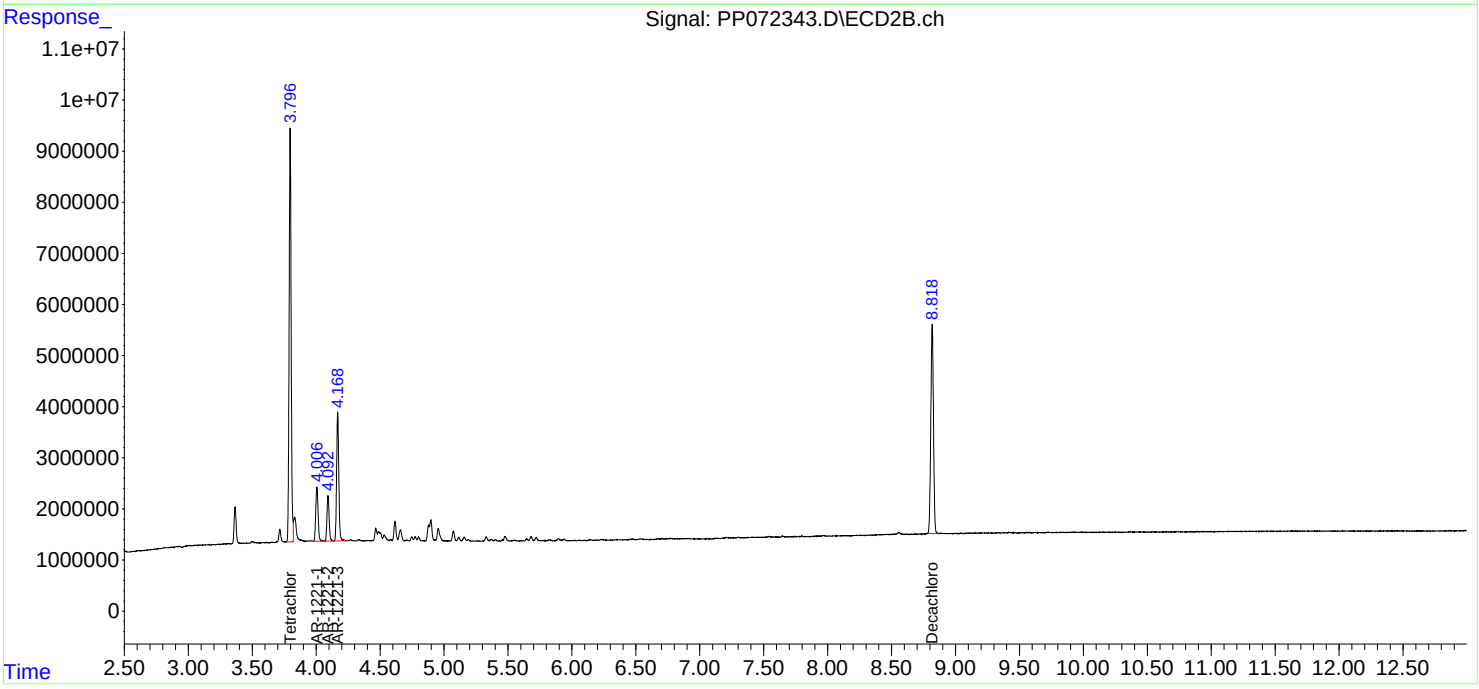
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:43
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 27 Sample Multiplier: 1

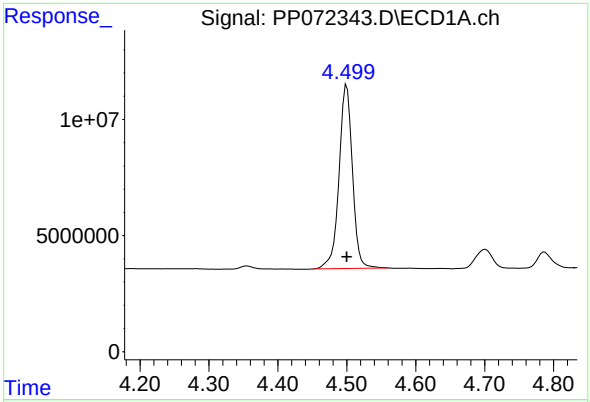
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



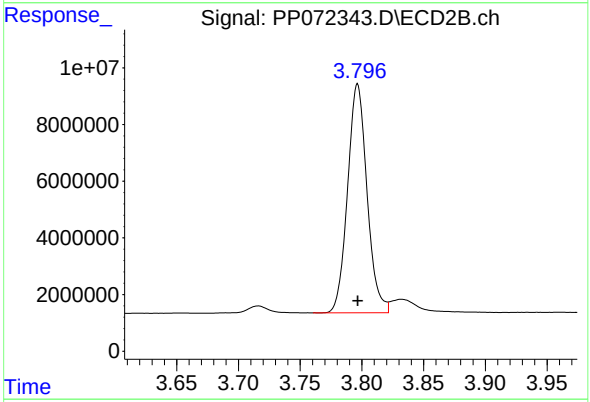




#1 Tetrachloro-m-xylene

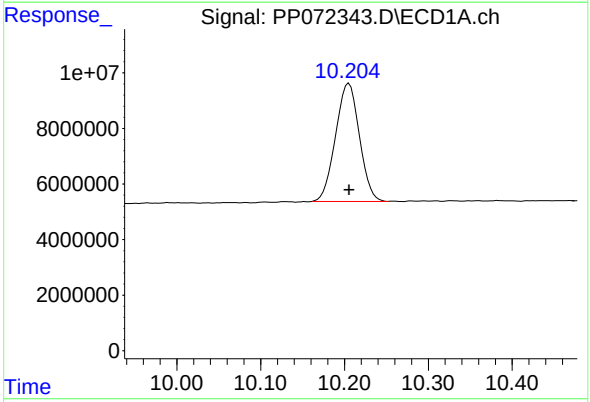
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 107117196
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



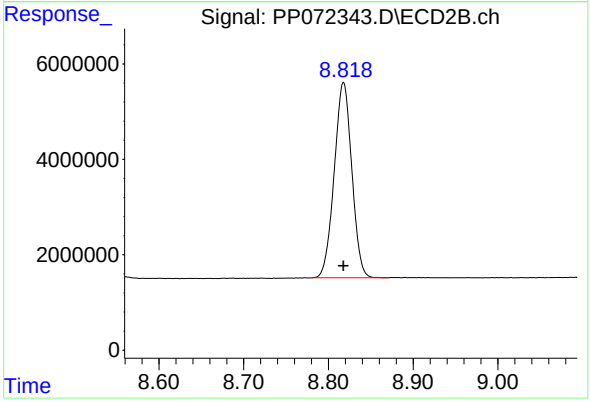
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 88531463
Conc: 50.00 ng/ml



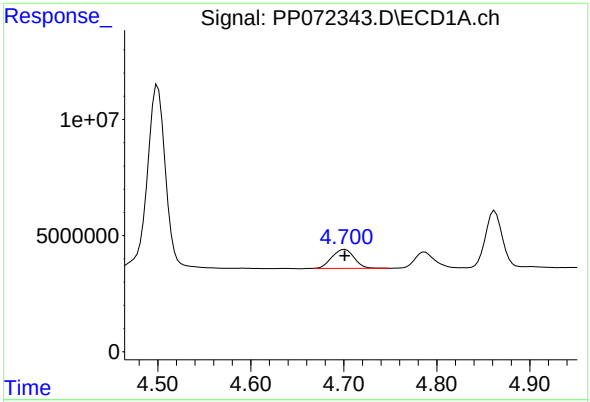
#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: 0.000 min
Response: 84176001
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

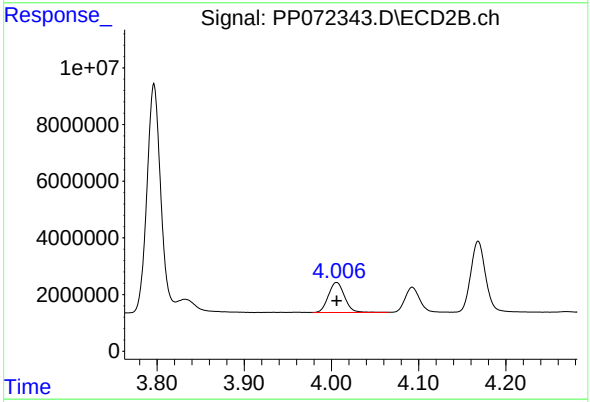
R.T.: 8.818 min
Delta R.T.: 0.000 min
Response: 58998988
Conc: 50.00 ng/ml



#8 AR-1221-1

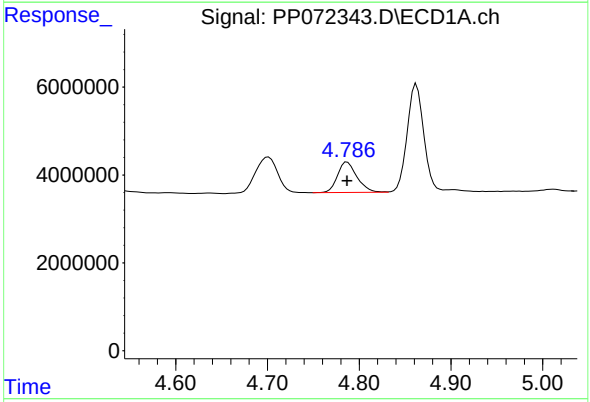
R.T.: 4.701 min
Delta R.T.: 0.000 min
Response: 13513872
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



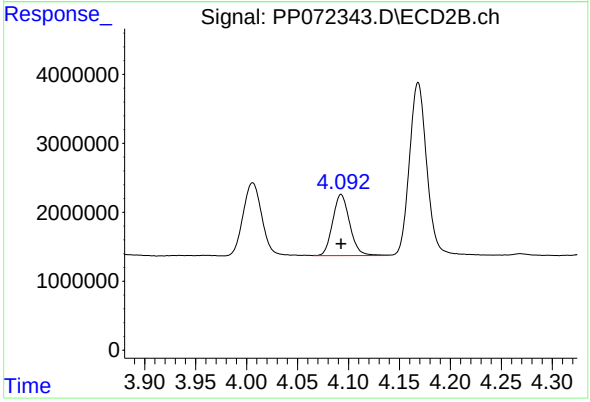
#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 13682237
Conc: 500.00 ng/ml



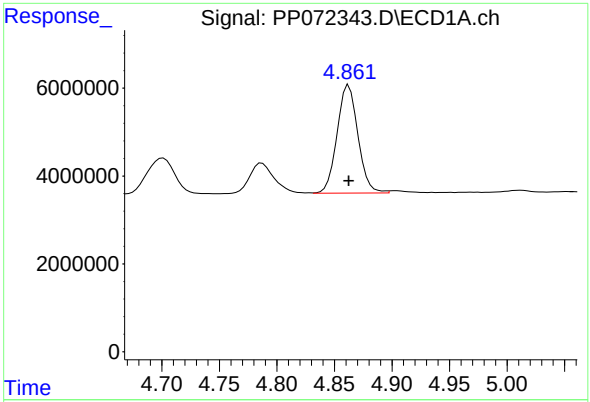
#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: 0.000 min
Response: 10251652
Conc: 500.00 ng/ml



#9 AR-1221-2

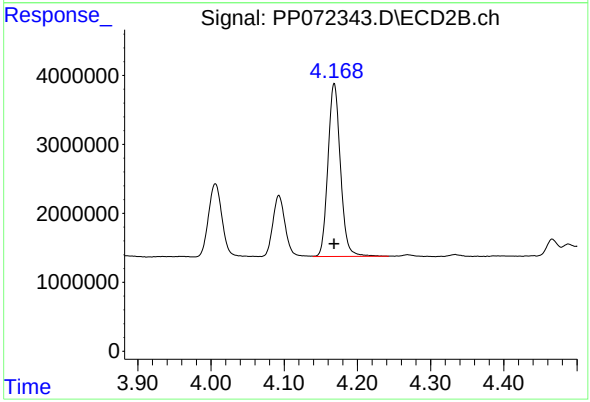
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 10341839
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.862 min
Delta R.T.: 0.000 min
Response: 31146129
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 29666769
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:59
Operator : YP\AJ
Sample : AR1221ICC250
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.797	54569718	44515235	25.472	25.141
2)	SA Decachlor...	10.208	8.818	42529241	31305606	25.262	26.531
	Target Compounds						
8)	L2 AR-1221-1	4.704	4.007	7229859	7255468	267.498	265.142
9)	L2 AR-1221-2	4.790	4.093	5625045	5480624	274.348	264.973
10)	L2 AR-1221-3	4.865	4.169	16164417	15960441	259.493	268.995

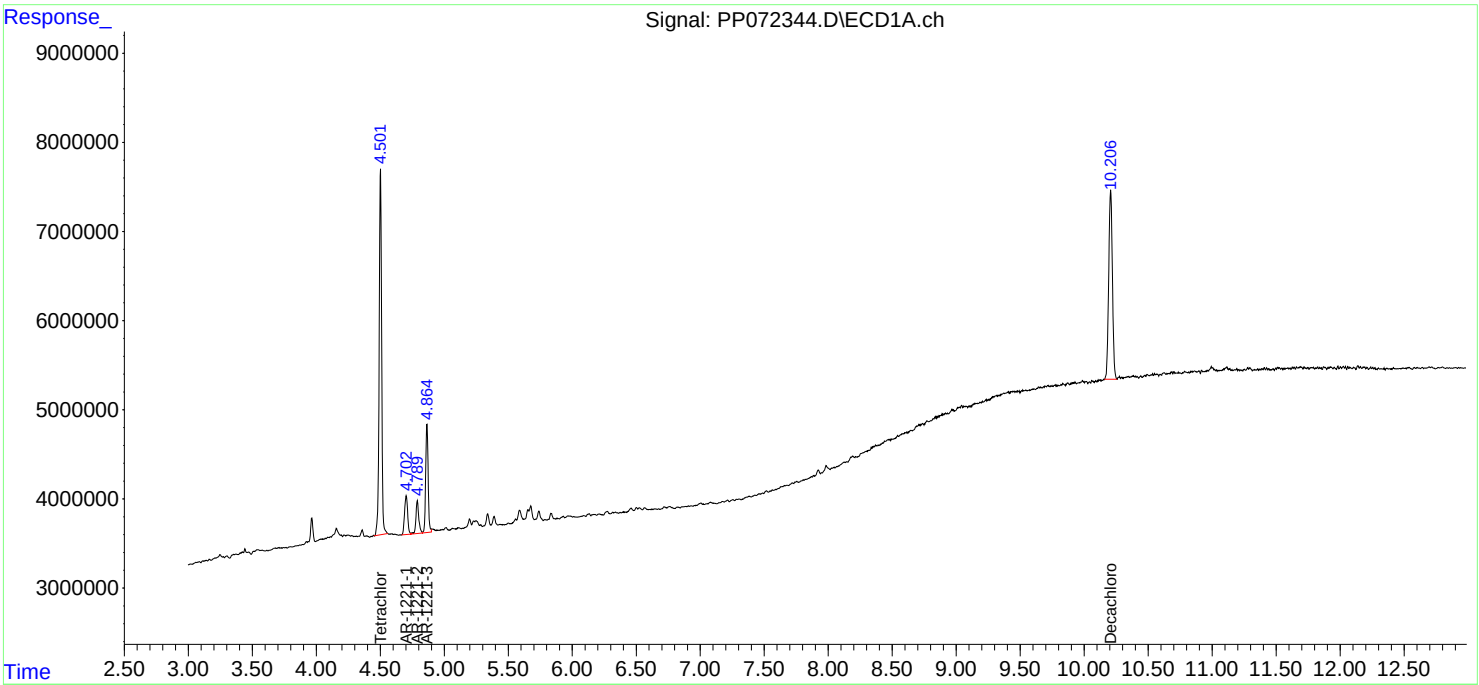
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

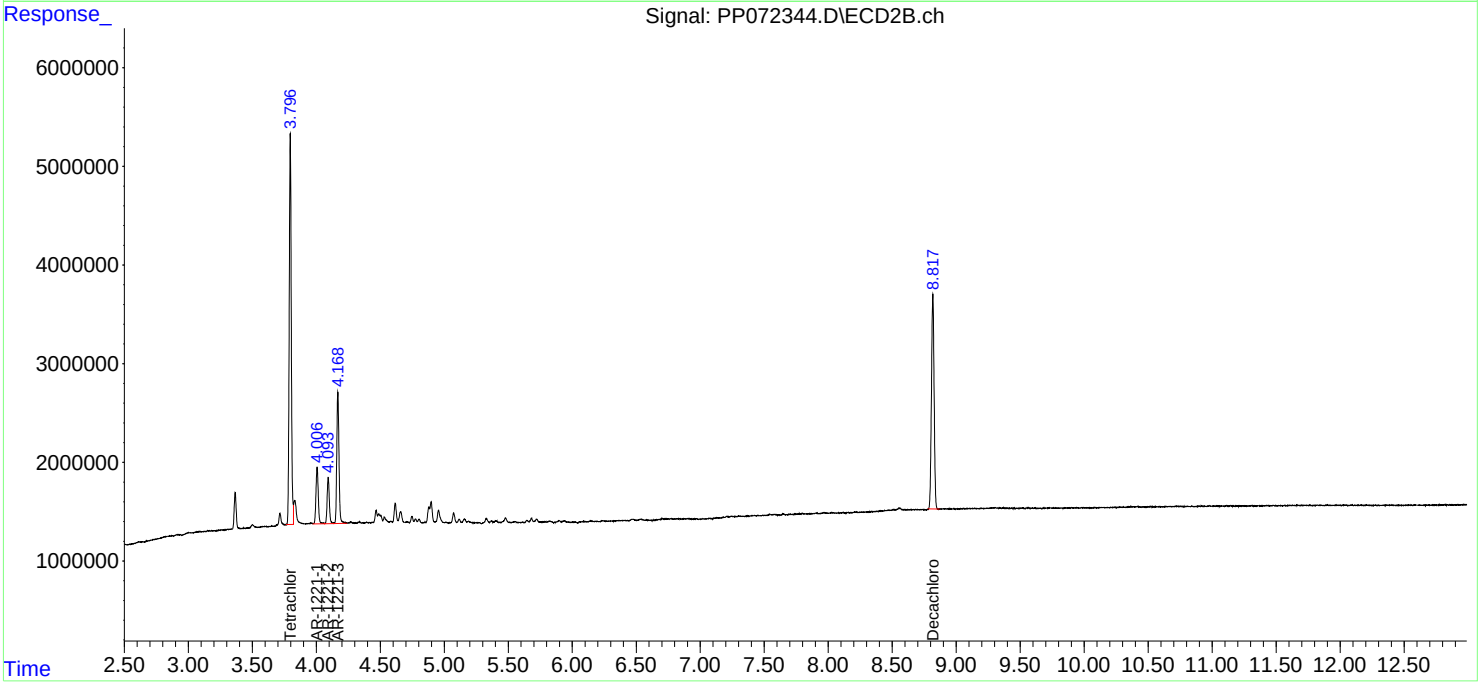
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 00:59
Operator : YP\AJ
Sample : AR1221ICC250
Misc :
ALS Vial : 28 Sample Multiplier: 1

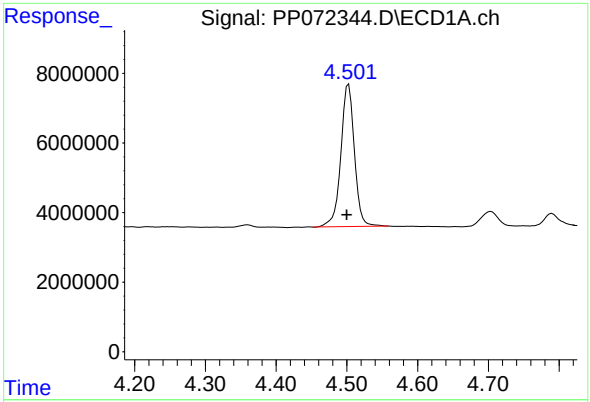
Instrument :
ECD_P
ClientSampleId :
AR1221ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:44:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



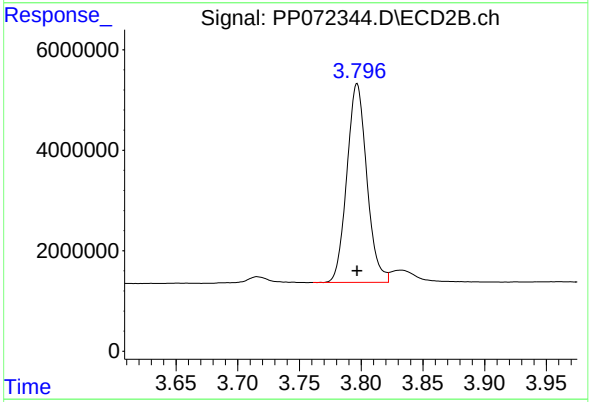




#1 Tetrachloro-m-xylene

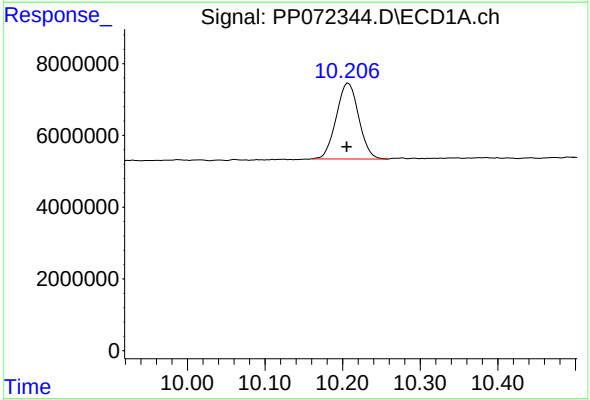
R.T.: 4.502 min
Delta R.T.: 0.002 min
Response: 54569718
Conc: 25.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC250



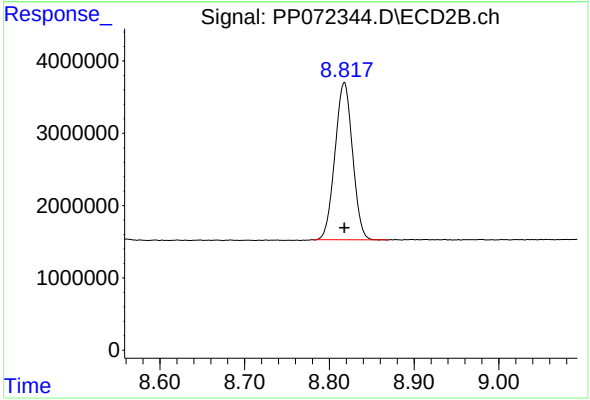
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 44515235
Conc: 25.14 ng/ml



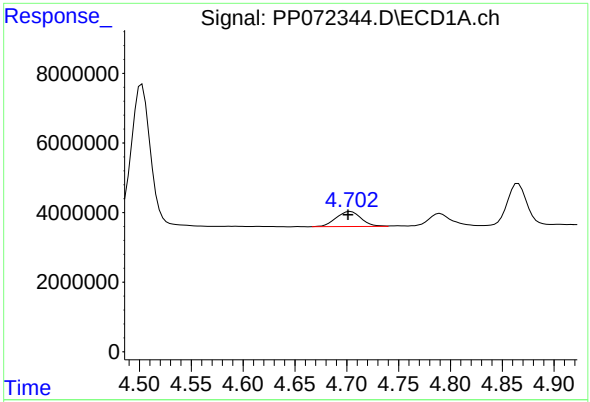
#2 Decachlorobiphenyl

R.T.: 10.208 min
Delta R.T.: 0.002 min
Response: 42529241
Conc: 25.26 ng/ml



#2 Decachlorobiphenyl

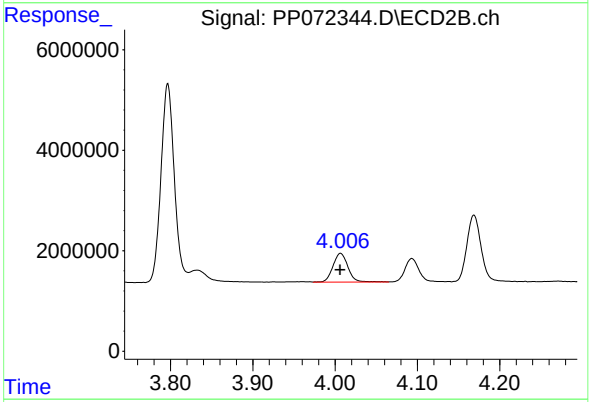
R.T.: 8.818 min
Delta R.T.: 0.000 min
Response: 31305606
Conc: 26.53 ng/ml



#8 AR-1221-1

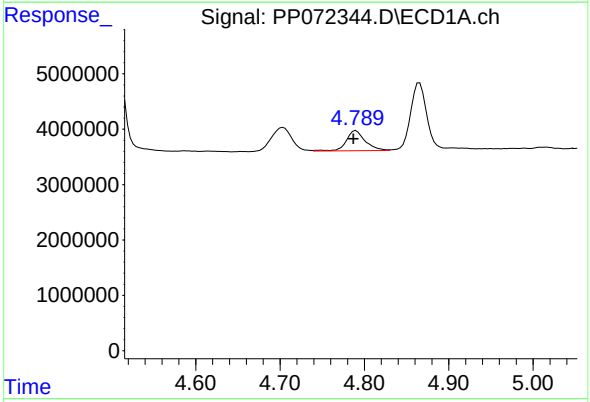
R.T.: 4.704 min
Delta R.T.: 0.003 min
Response: 7229859
Conc: 267.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC250



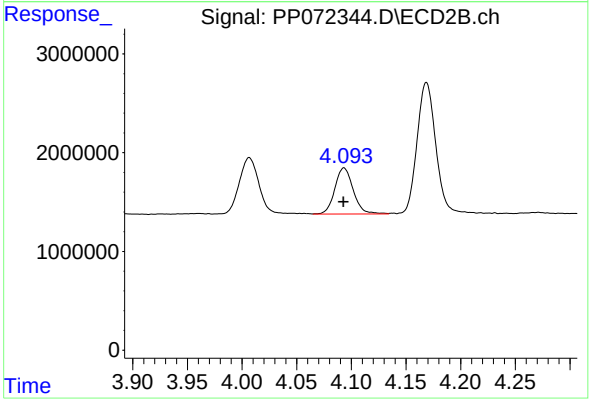
#8 AR-1221-1

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 7255468
Conc: 265.14 ng/ml



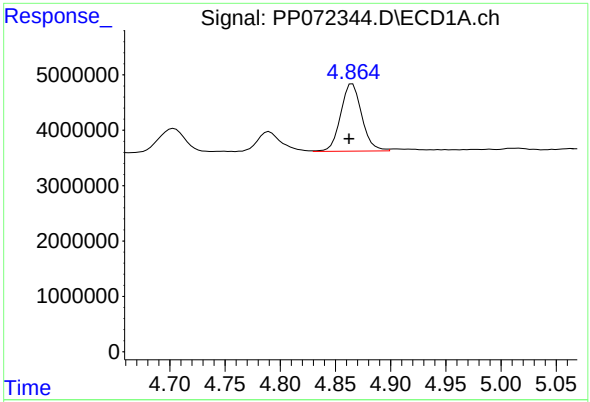
#9 AR-1221-2

R.T.: 4.790 min
Delta R.T.: 0.003 min
Response: 5625045
Conc: 274.35 ng/ml



#9 AR-1221-2

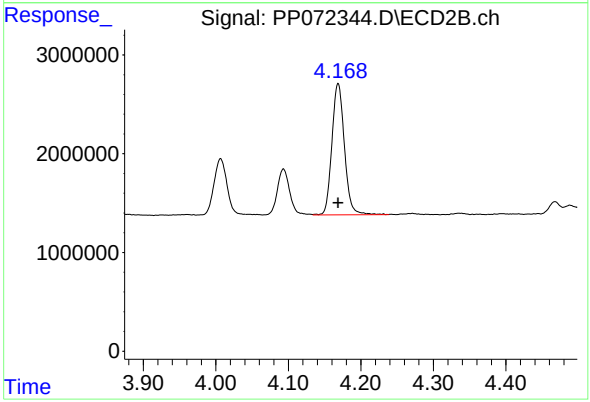
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 5480624
Conc: 264.97 ng/ml



#10 AR-1221-3

R.T.: 4.865 min
Delta R.T.: 0.003 min
Response: 16164417
Conc: 259.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC250



#10 AR-1221-3

R.T.: 4.169 min
Delta R.T.: 0.000 min
Response: 15960441
Conc: 269.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:16
Operator : YP\AJ
Sample : AR1221ICC050
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:45:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.797	9868673	8611837	4.606	4.864
2)	SA Decachlor...	10.206	8.817	8046525	6156689	4.780	5.218
	Target Compounds						
8)	L2 AR-1221-1	4.702	4.007	1190972	1383645	44.065	50.564
9)	L2 AR-1221-2	4.788	4.094	1043147	1114814	50.877	53.898
10)	L2 AR-1221-3	4.863	4.169	2968258	3143956	47.651	52.988

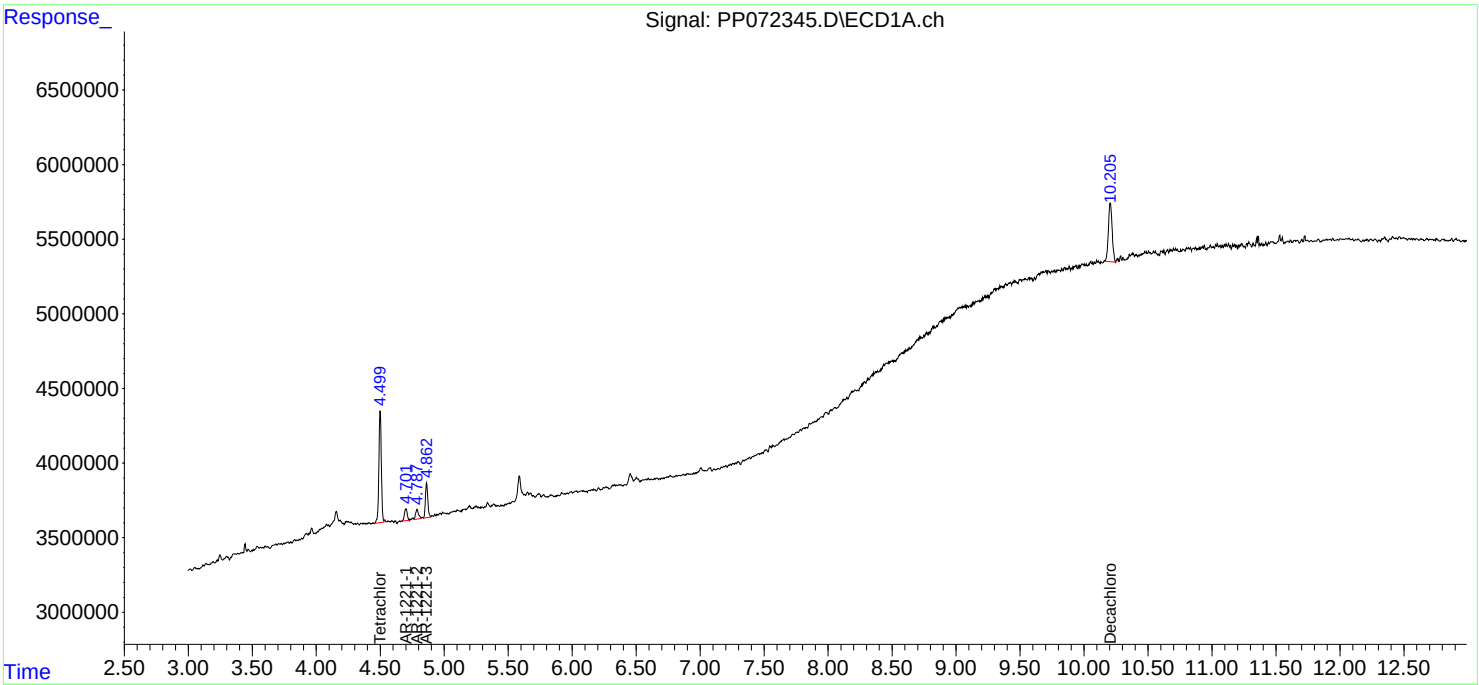
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

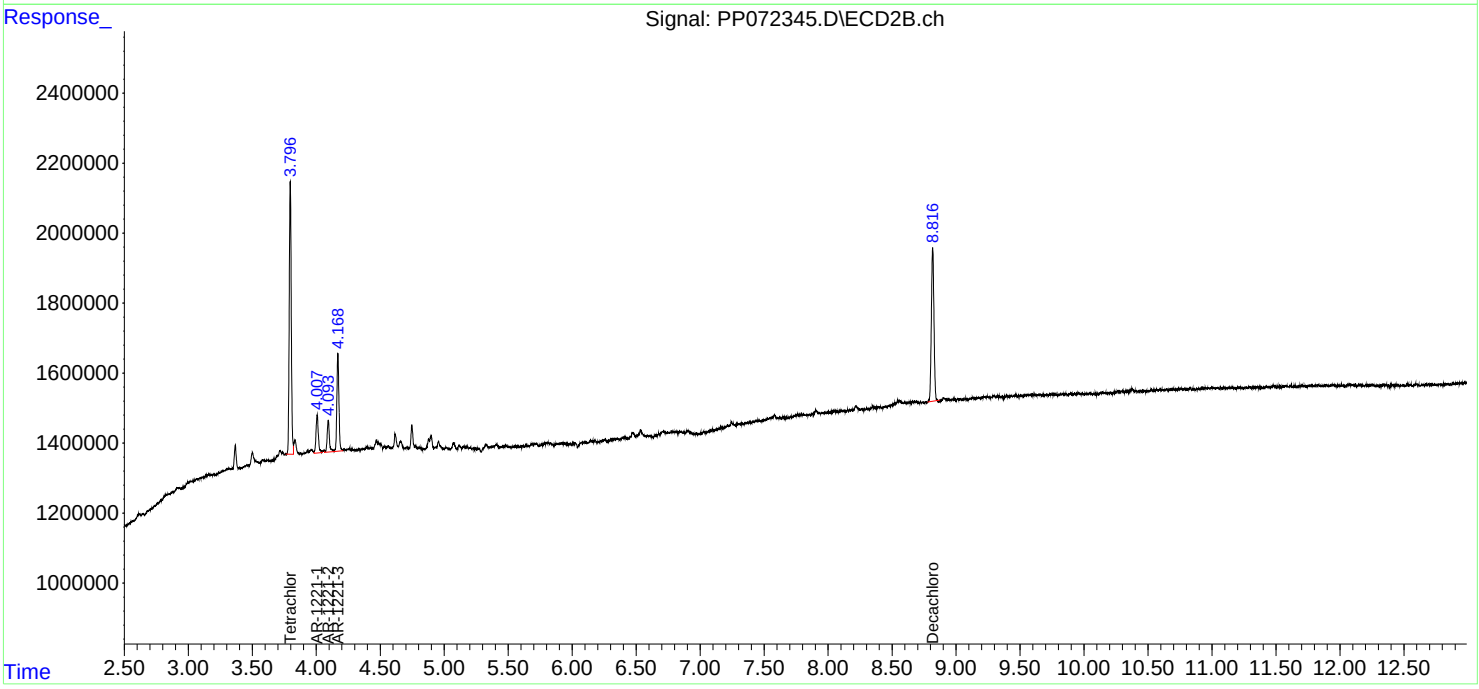
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:16
Operator : YP\AJ
Sample : AR1221ICC050
Misc :
ALS Vial : 29 Sample Multiplier: 1

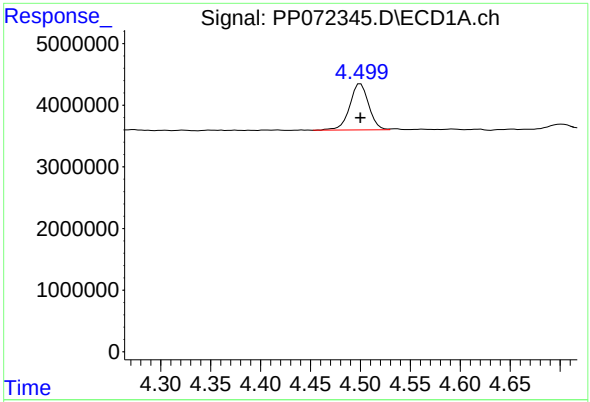
Instrument :
ECD_P
ClientSampleId :
AR1221ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:45:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:43:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



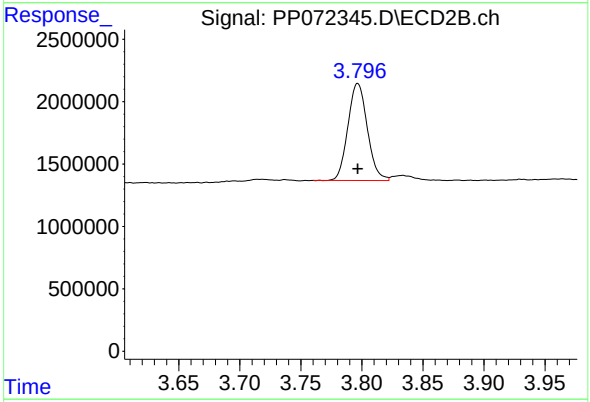




#1 Tetrachloro-m-xylene

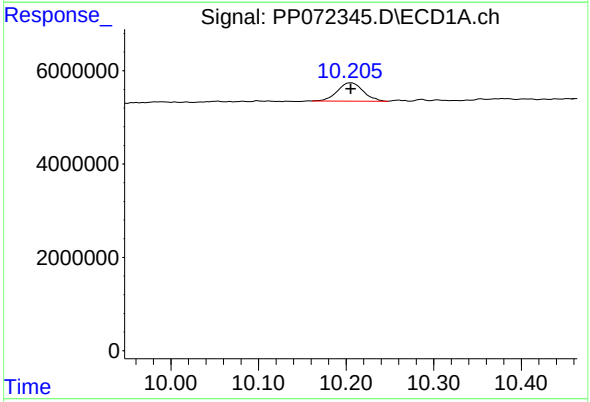
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 9868673
Conc: 4.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC050



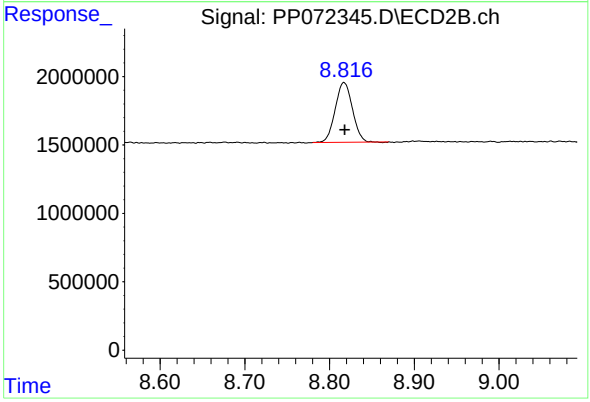
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 8611837
Conc: 4.86 ng/ml



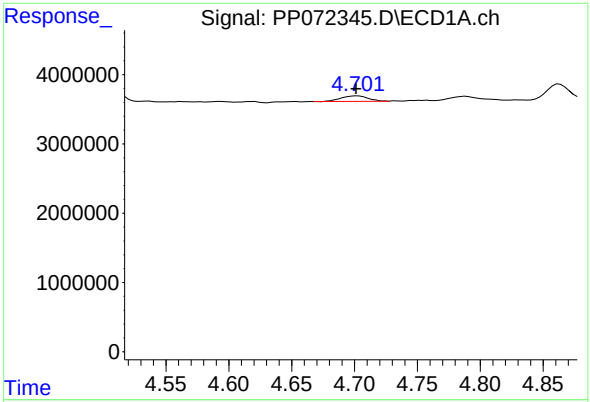
#2 Decachlorobiphenyl

R.T.: 10.206 min
Delta R.T.: 0.000 min
Response: 8046525
Conc: 4.78 ng/ml



#2 Decachlorobiphenyl

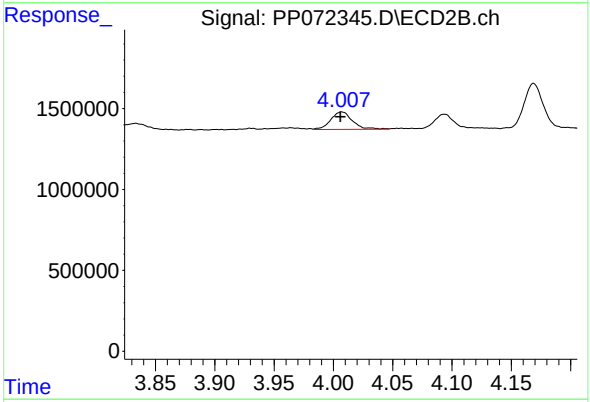
R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 6156689
Conc: 5.22 ng/ml



#8 AR-1221-1

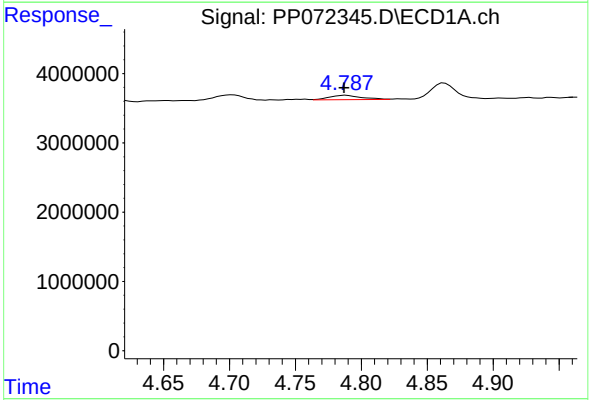
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 1190972
Conc: 44.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC050



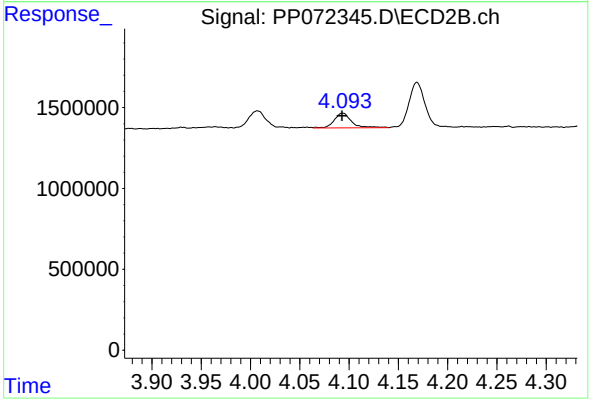
#8 AR-1221-1

R.T.: 4.007 min
Delta R.T.: 0.001 min
Response: 1383645
Conc: 50.56 ng/ml



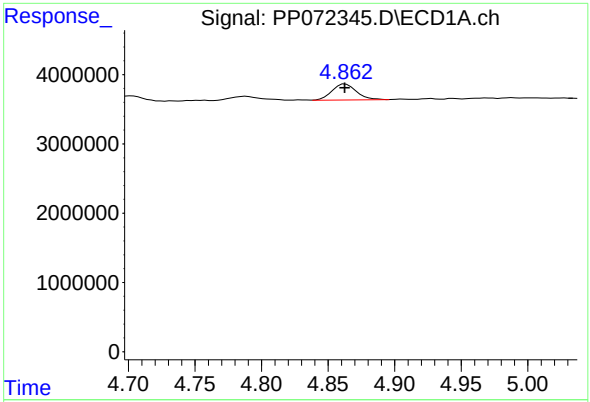
#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.001 min
Response: 1043147
Conc: 50.88 ng/ml



#9 AR-1221-2

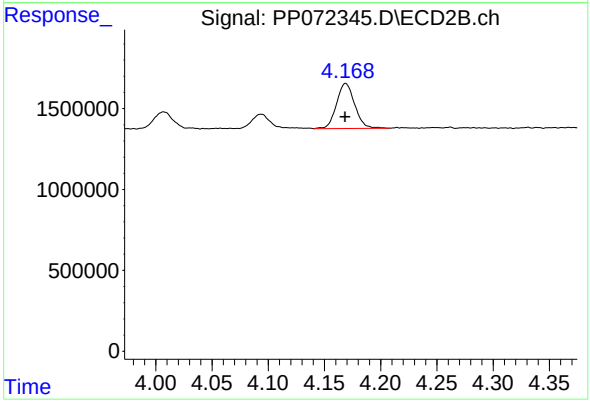
R.T.: 4.094 min
Delta R.T.: 0.000 min
Response: 1114814
Conc: 53.90 ng/ml



#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 2968258
Conc: 47.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC050



#10 AR-1221-3

R.T.: 4.169 min
Delta R.T.: 0.000 min
Response: 3143956
Conc: 52.99 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:32
Operator : YP\AJ
Sample : AR1221ICV500
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP052425AR1221

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:52:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:51:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.796	104.5E6	83433381	50.638	48.232
2)	SA Decachlor...	10.205	8.817	82224203	56508274	50.456	48.587
	Target Compounds						
8)	L2 AR-1221-1	4.703	4.005	13167265	13101244	503.679	488.665
9)	L2 AR-1221-2	4.788	4.092	9839456	9914823	482.343	482.827
10)	L2 AR-1221-3	4.864	4.168	30369001	28387182	501.972	482.056

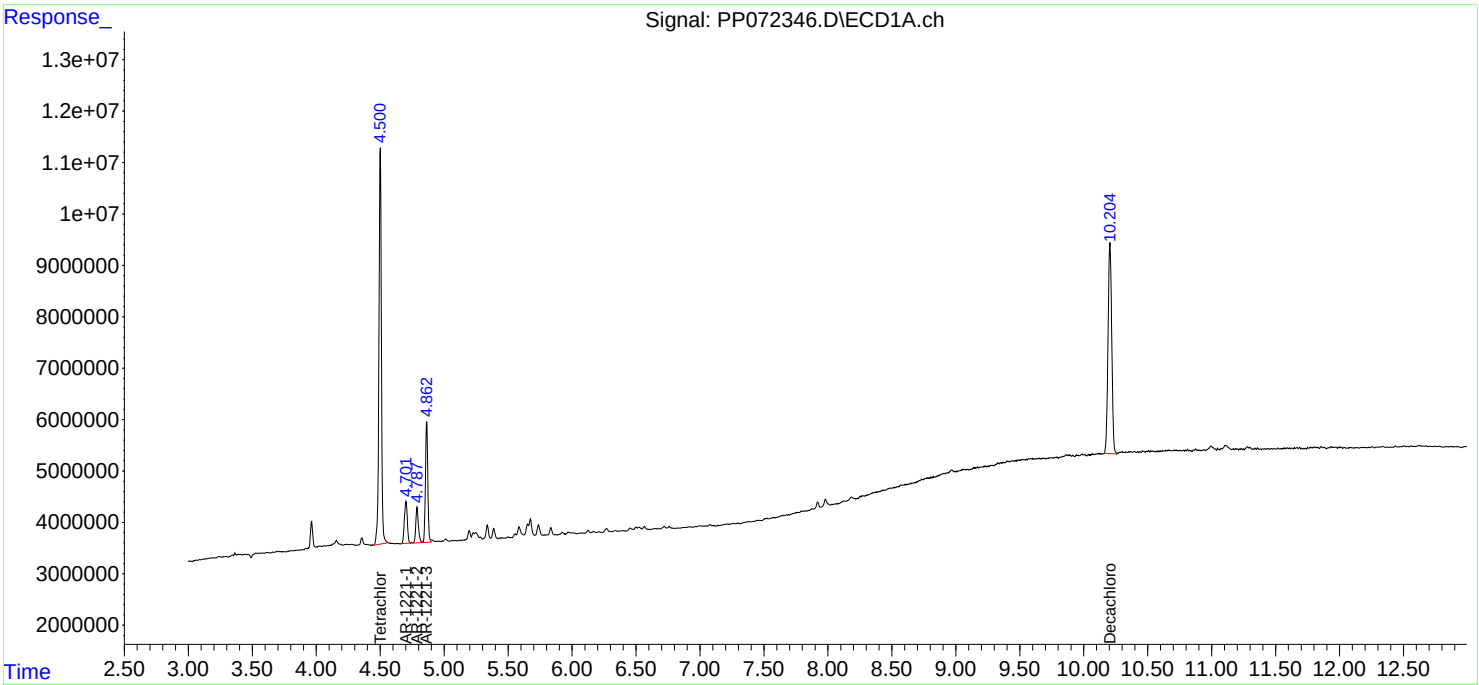
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

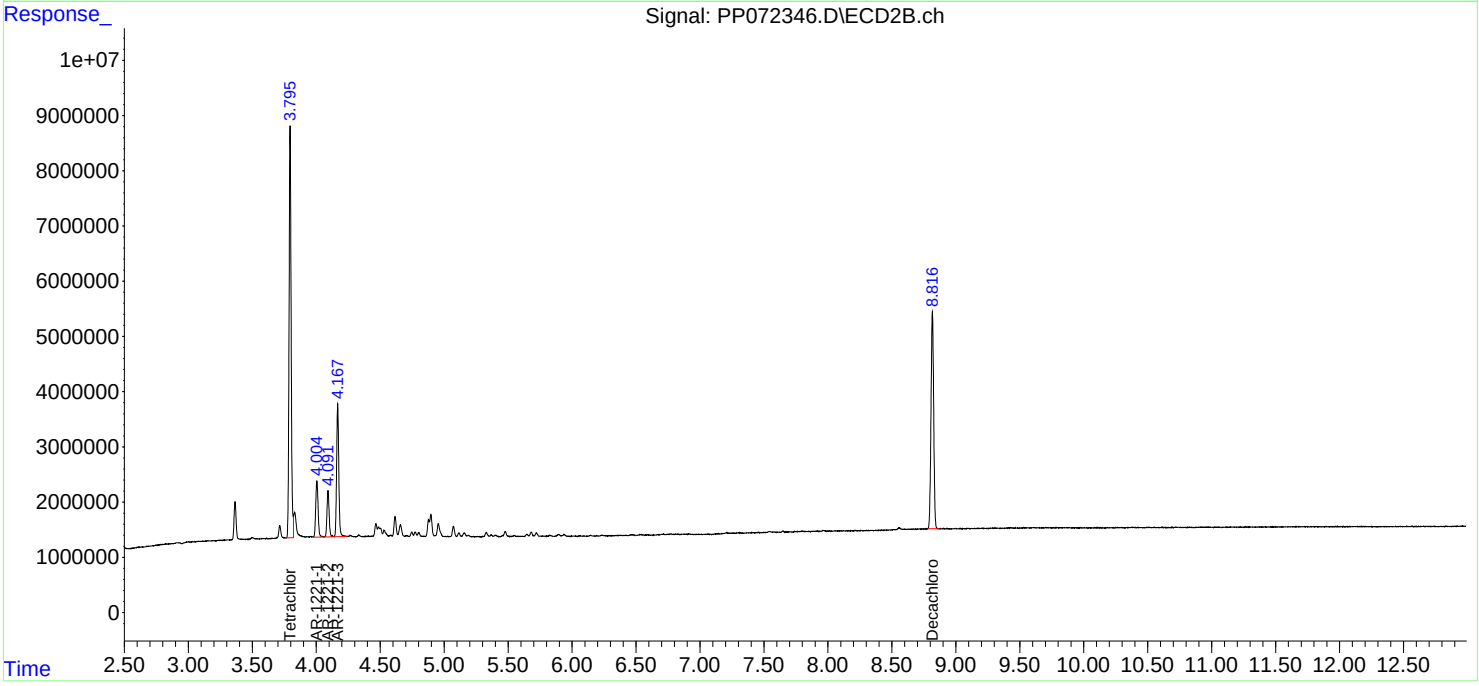
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 01:32
Operator : YP\AJ
Sample : AR1221ICV500
Misc :
ALS Vial : 30 Sample Multiplier: 1

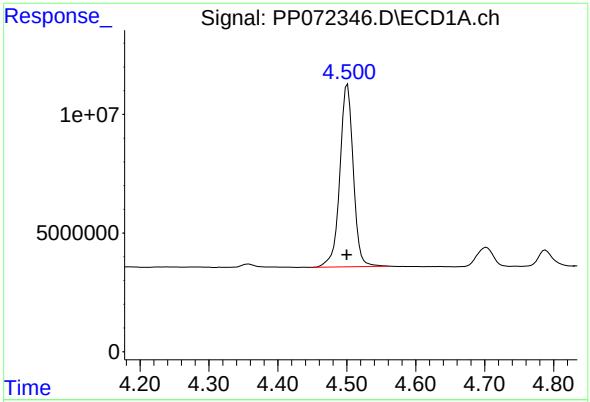
Instrument :
ECD_P
ClientSampleId :
ICVPP052425AR1221

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 02:52:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 02:51:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



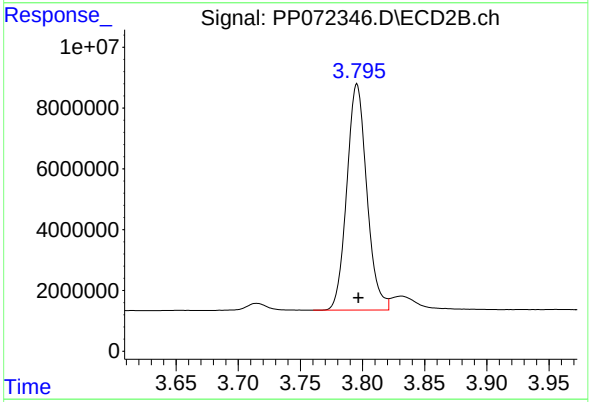




#1 Tetrachloro-m-xylene

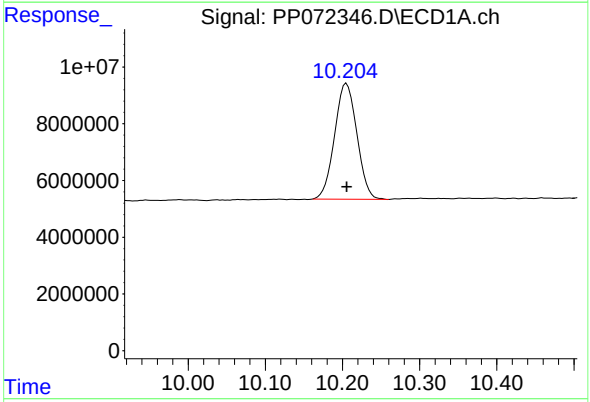
R.T.: 4.501 min
Delta R.T.: 0.001 min
Response: 104489576
Conc: 50.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP052425AR1221



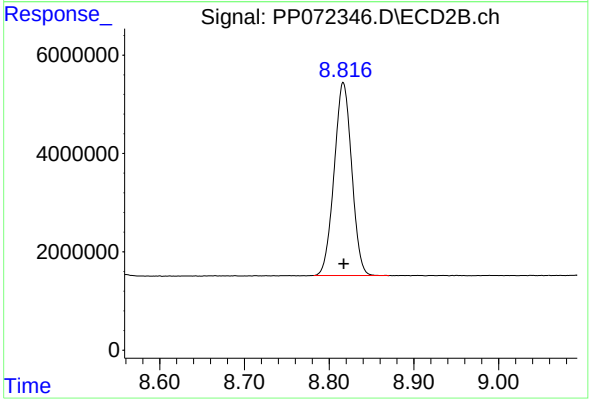
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: -0.001 min
Response: 83433381
Conc: 48.23 ng/ml



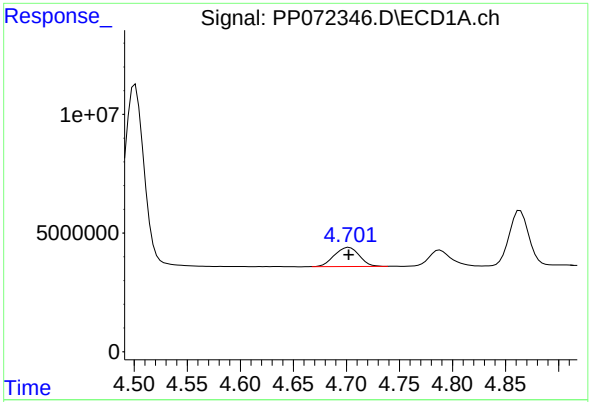
#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: 0.000 min
Response: 82224203
Conc: 50.46 ng/ml



#2 Decachlorobiphenyl

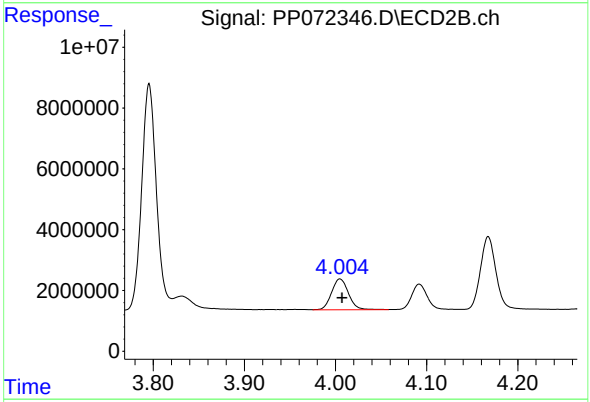
R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 56508274
Conc: 48.59 ng/ml



#8 AR-1221-1

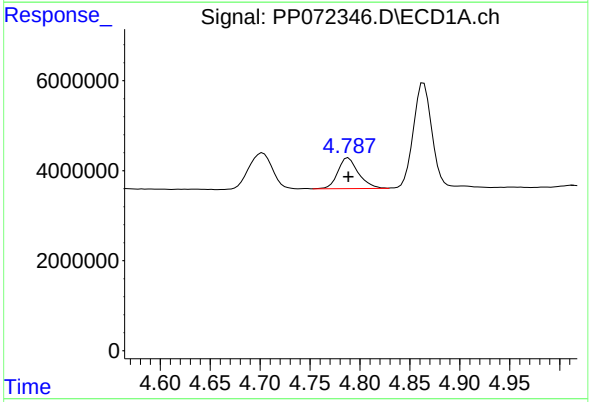
R.T.: 4.703 min
Delta R.T.: 0.000 min
Response: 13167265
Conc: 503.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP052425AR1221



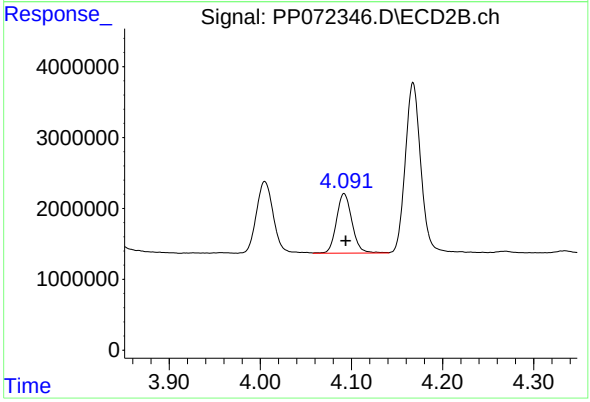
#8 AR-1221-1

R.T.: 4.005 min
Delta R.T.: -0.002 min
Response: 13101244
Conc: 488.67 ng/ml



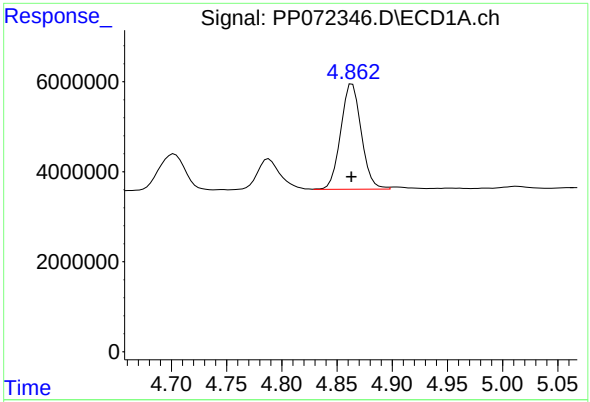
#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 9839456
Conc: 482.34 ng/ml



#9 AR-1221-2

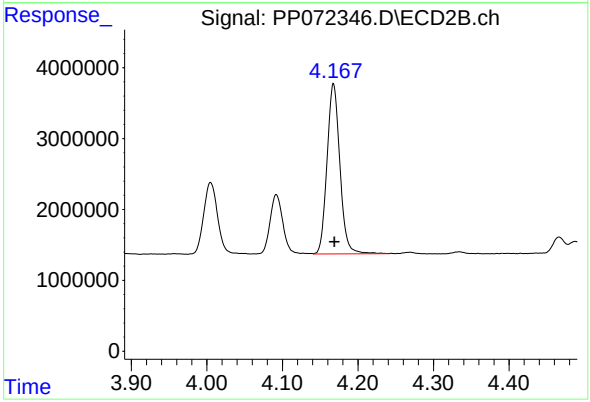
R.T.: 4.092 min
Delta R.T.: -0.002 min
Response: 9914823
Conc: 482.83 ng/ml



#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 30369001
Conc: 501.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP052425AR1221



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: -0.001 min
Response: 28387182
Conc: 482.06 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 12:10 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.09	8.09	7.99	8.19	0.00
Aroclor-1260-5	(5)	8.41	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.51	4.50	4.40	4.60	-0.01
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 12:10 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.08	5.07	4.97	5.17	-0.01
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.37	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.71	6.71	6.61	6.81	0.00
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072307.D **Time Analyzed:** 12:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.658	5.552	5.752	480.810	500.000	-3.8
Aroclor-1016-2	5.679	5.574	5.774	507.080	500.000	1.4
Aroclor-1016-3	5.741	5.636	5.836	506.840	500.000	1.4
Aroclor-1016-4	5.839	5.734	5.934	521.080	500.000	4.2
Aroclor-1016-5	6.132	6.027	6.227	525.940	500.000	5.2
Aroclor-1260-1	7.250	7.147	7.347	504.090	500.000	0.8
Aroclor-1260-2	7.503	7.401	7.601	503.000	500.000	0.6
Aroclor-1260-3	7.862	7.760	7.960	528.630	500.000	5.7
Aroclor-1260-4	8.086	7.985	8.185	524.460	500.000	4.9
Aroclor-1260-5	8.405	8.303	8.503	528.920	500.000	5.8
Decachlorobiphenyl	10.214	10.113	10.313	53.660	50.000	7.3
Tetrachloro-m-xylene	4.505	4.396	4.596	52.260	50.000	4.5

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072307.D **Time Analyzed:** 12:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.881	4.777	4.977	519.560	500.000	3.9
Aroclor-1016-2	4.899	4.795	4.995	518.720	500.000	3.7
Aroclor-1016-3	5.076	4.973	5.173	534.070	500.000	6.8
Aroclor-1016-4	5.118	5.015	5.215	541.090	500.000	8.2
Aroclor-1016-5	5.332	5.229	5.429	534.440	500.000	6.9
Aroclor-1260-1	6.365	6.264	6.464	557.400	500.000	11.5
Aroclor-1260-2	6.554	6.453	6.653	527.390	500.000	5.5
Aroclor-1260-3	6.706	6.606	6.806	563.330	500.000	12.7
Aroclor-1260-4	7.177	7.077	7.277	551.400	500.000	10.3
Aroclor-1260-5	7.419	7.319	7.519	540.150	500.000	8.0
Decachlorobiphenyl	8.821	8.723	8.923	57.320	50.000	14.6
Tetrachloro-m-xylene	3.798	3.691	3.891	52.740	50.000	5.5

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 12:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 12:20:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.505	3.798	105.1E6	84293925	52.262	52.738
2)	SA Decachlor...	10.214	8.821	87422459	60681658	53.662	57.322
	Target Compounds						
3)	L1 AR-1016-1	5.658	4.881	36100613	31916035	480.805	519.555
4)	L1 AR-1016-2	5.679	4.899	54252906	45537983	507.076	518.719
5)	L1 AR-1016-3	5.741	5.076	33231018	25450677	506.841	534.067
6)	L1 AR-1016-4	5.839	5.118	27757802	20585958	521.078	541.090
7)	L1 AR-1016-5	6.132	5.332	25723343	26628362	525.941	534.444
31)	L7 AR-1260-1	7.250	6.365	47180381	44455098	504.092	557.405
32)	L7 AR-1260-2	7.503	6.554	72174914	53489339	502.997	527.393
33)	L7 AR-1260-3	7.862	6.706	60195078	48954319	528.626	563.326
34)	L7 AR-1260-4	8.086	7.177	56275585	39751028	524.457	551.401
35)	L7 AR-1260-5	8.405	7.419	125.2E6	93782415	528.923	540.147

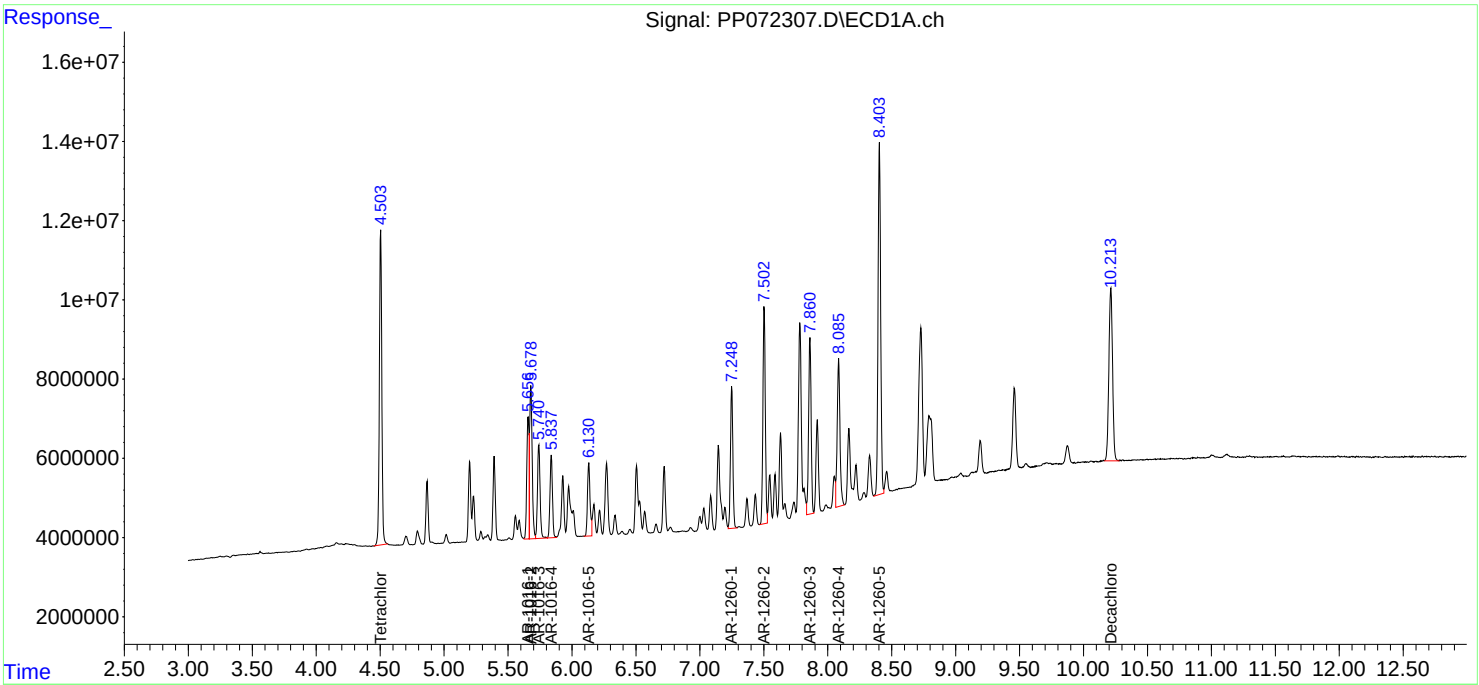
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

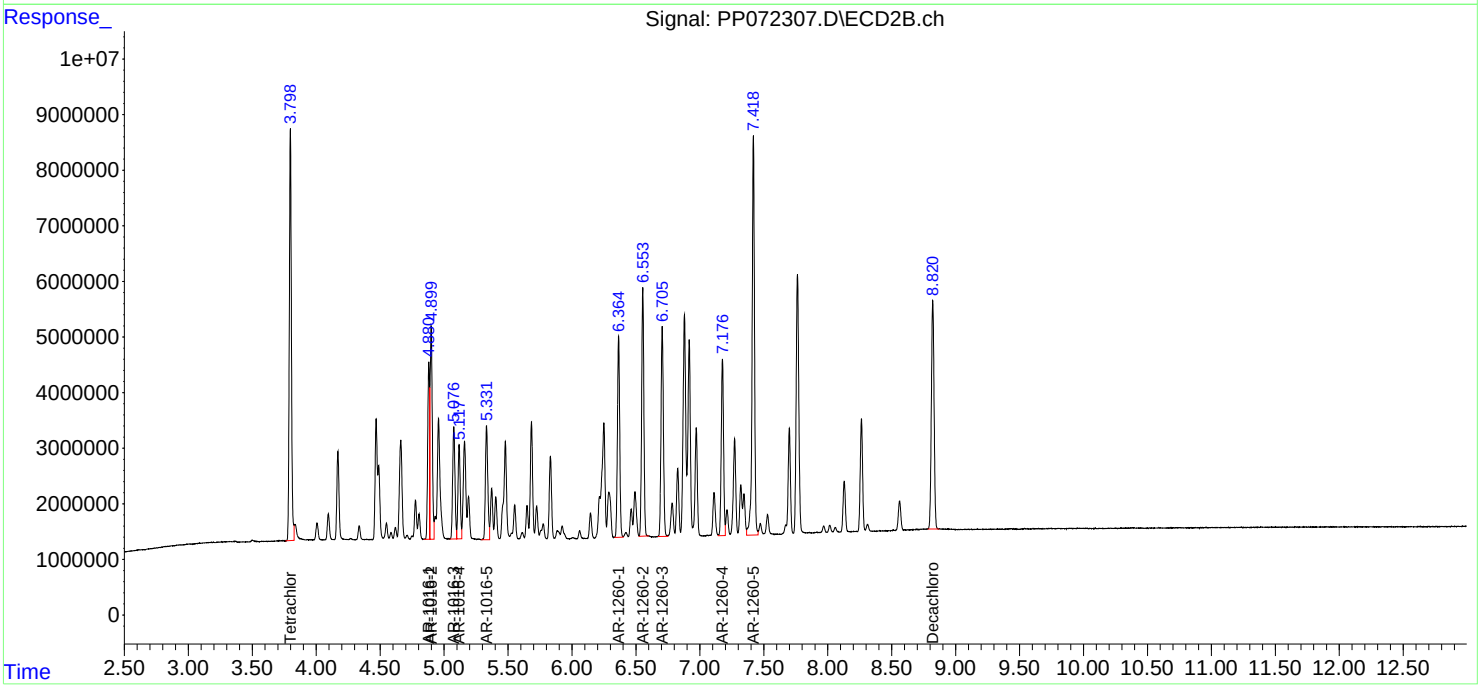
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 12:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

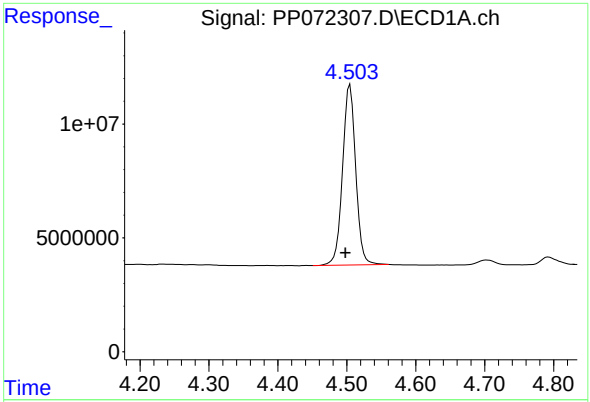
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 12:20:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



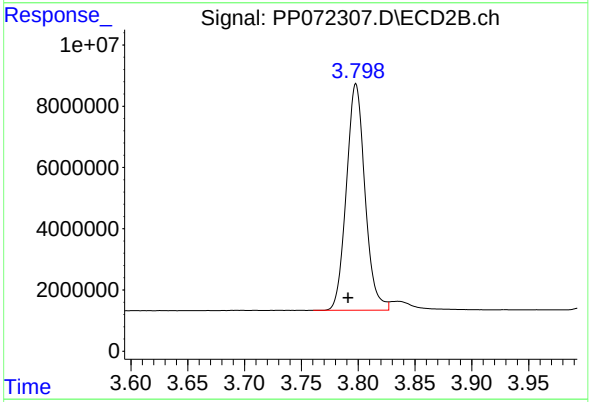




#1 Tetrachloro-m-xylene

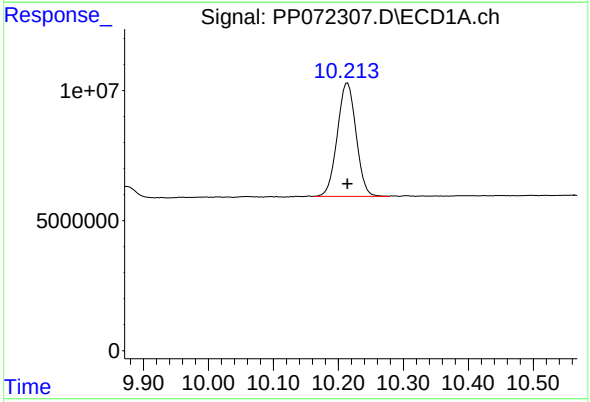
R.T.: 4.505 min
Delta R.T.: 0.007 min
Response: 105088404
Conc: 52.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



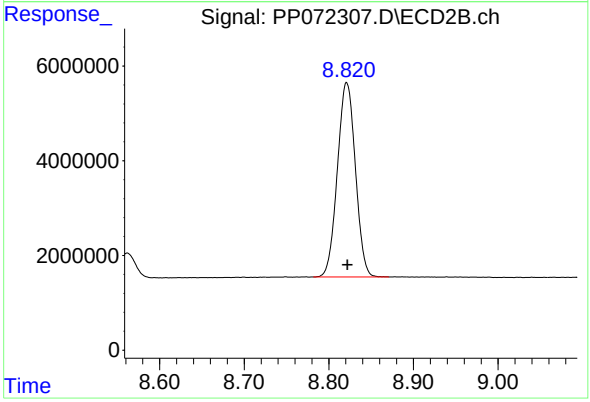
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 84293925
Conc: 52.74 ng/ml



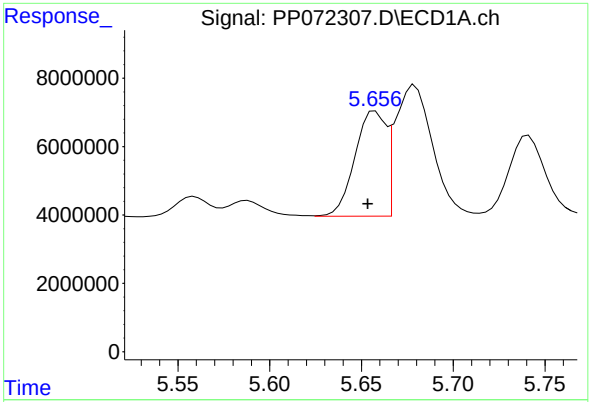
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 87422459
Conc: 53.66 ng/ml



#2 Decachlorobiphenyl

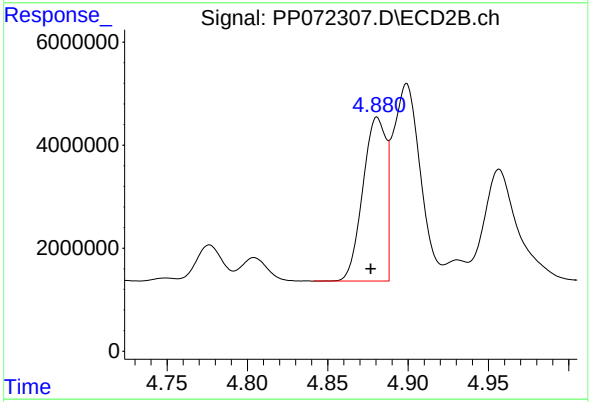
R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 60681658
Conc: 57.32 ng/ml



#3 AR-1016-1

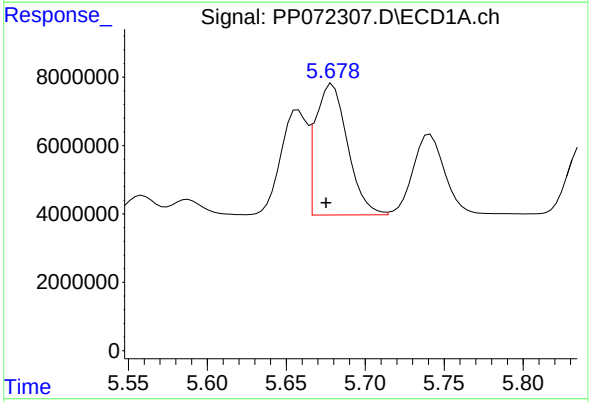
R.T.: 5.658 min
Delta R.T.: 0.004 min
Response: 36100613
Conc: 480.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



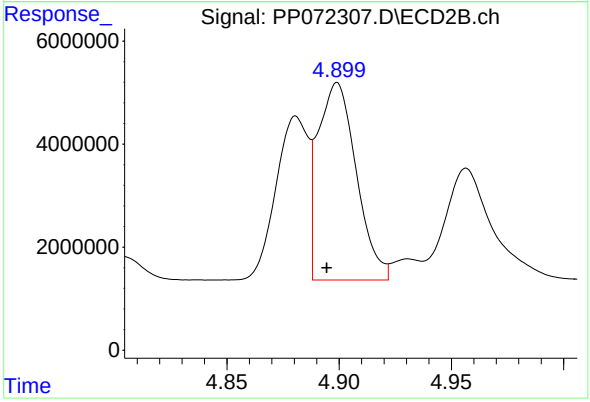
#3 AR-1016-1

R.T.: 4.881 min
Delta R.T.: 0.004 min
Response: 31916035
Conc: 519.56 ng/ml



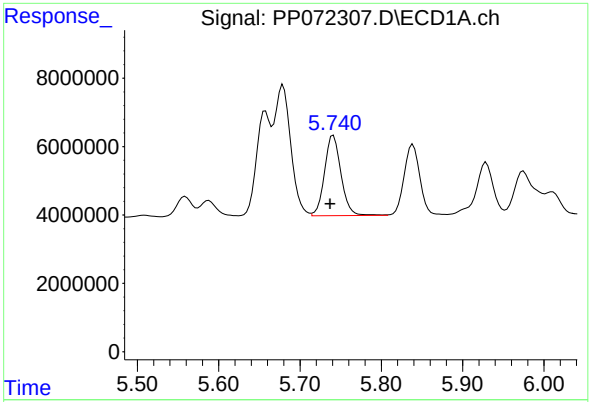
#4 AR-1016-2

R.T.: 5.679 min
Delta R.T.: 0.004 min
Response: 54252906
Conc: 507.08 ng/ml



#4 AR-1016-2

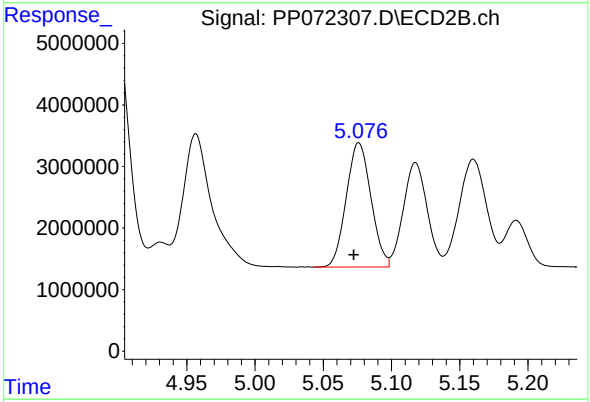
R.T.: 4.899 min
Delta R.T.: 0.005 min
Response: 45537983
Conc: 518.72 ng/ml



#5 AR-1016-3

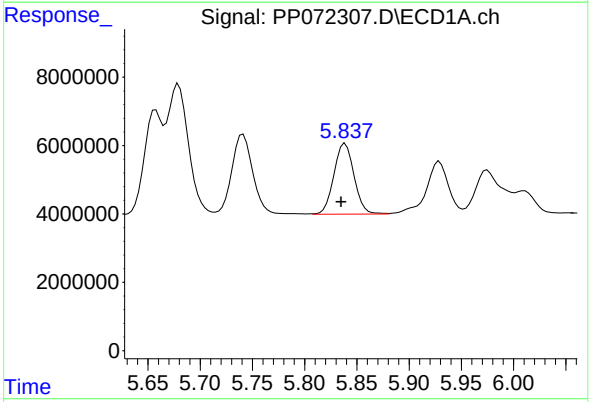
R.T.: 5.741 min
Delta R.T.: 0.004 min
Response: 33231018
Conc: 506.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



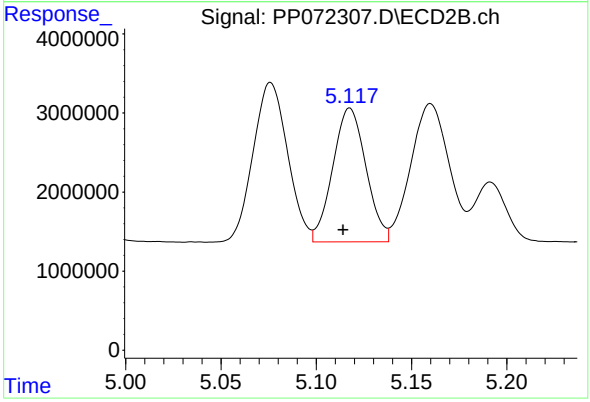
#5 AR-1016-3

R.T.: 5.076 min
Delta R.T.: 0.004 min
Response: 25450677
Conc: 534.07 ng/ml



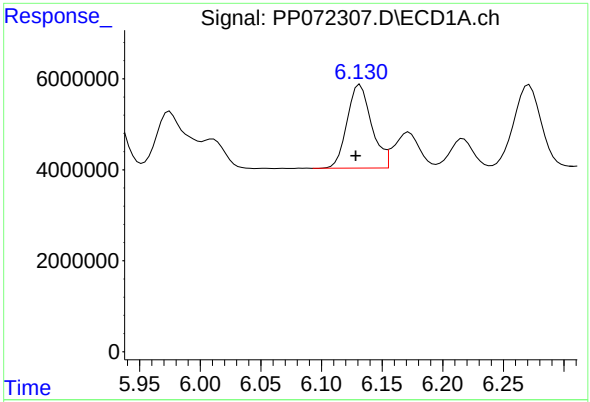
#6 AR-1016-4

R.T.: 5.839 min
Delta R.T.: 0.004 min
Response: 27757802
Conc: 521.08 ng/ml



#6 AR-1016-4

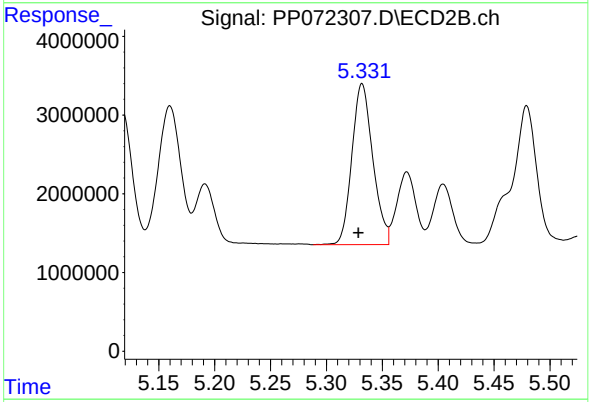
R.T.: 5.118 min
Delta R.T.: 0.004 min
Response: 20585958
Conc: 541.09 ng/ml



#7 AR-1016-5

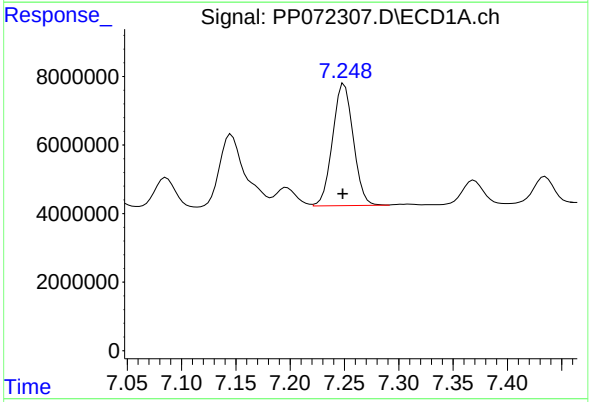
R.T.: 6.132 min
Delta R.T.: 0.004 min
Response: 25723343
Conc: 525.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



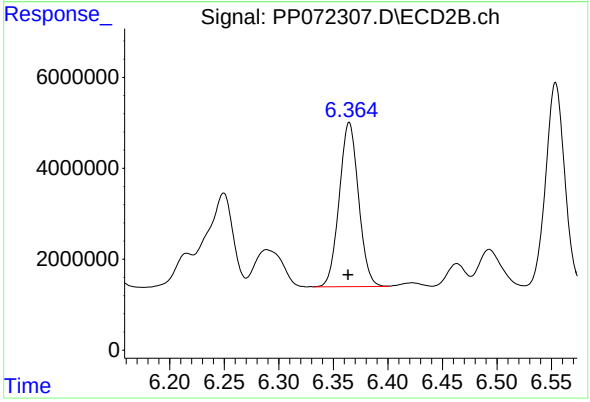
#7 AR-1016-5

R.T.: 5.332 min
Delta R.T.: 0.003 min
Response: 26628362
Conc: 534.44 ng/ml



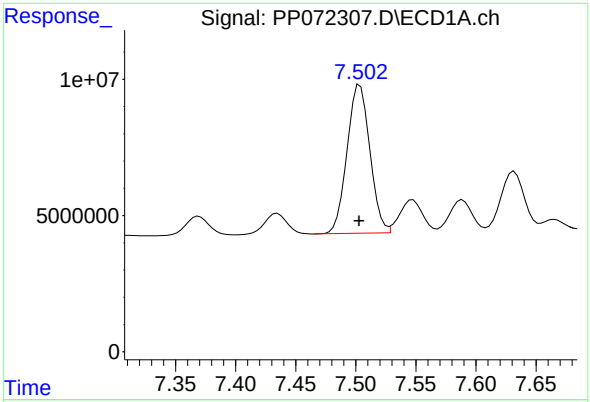
#31 AR-1260-1

R.T.: 7.250 min
Delta R.T.: 0.001 min
Response: 47180381
Conc: 504.09 ng/ml



#31 AR-1260-1

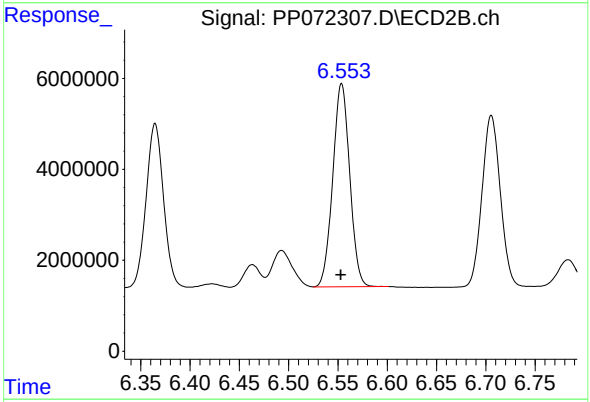
R.T.: 6.365 min
Delta R.T.: 0.000 min
Response: 44455098
Conc: 557.40 ng/ml



#32 AR-1260-2

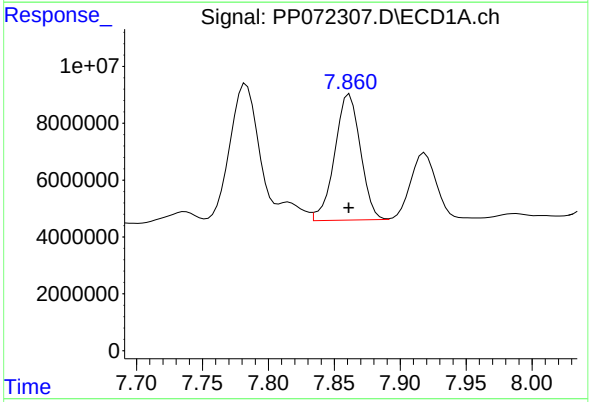
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 72174914
Conc: 503.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



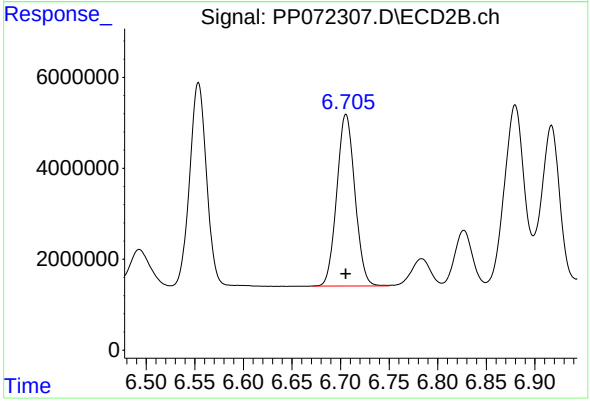
#32 AR-1260-2

R.T.: 6.554 min
Delta R.T.: 0.001 min
Response: 53489339
Conc: 527.39 ng/ml



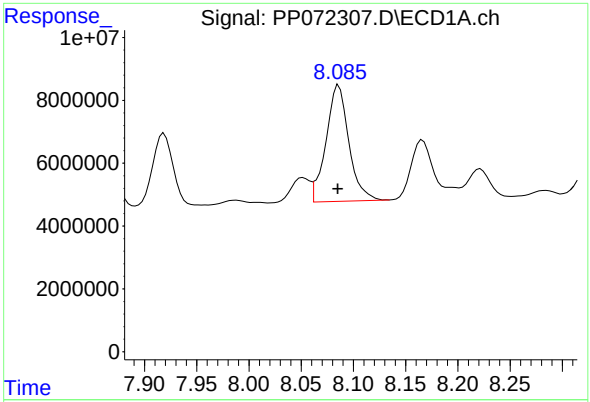
#33 AR-1260-3

R.T.: 7.862 min
Delta R.T.: 0.000 min
Response: 60195078
Conc: 528.63 ng/ml



#33 AR-1260-3

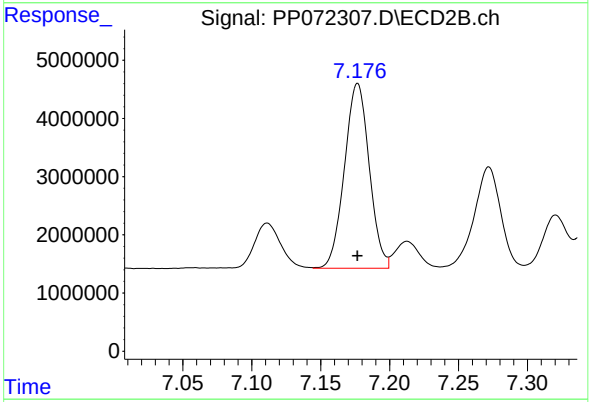
R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 48954319
Conc: 563.33 ng/ml



#34 AR-1260-4

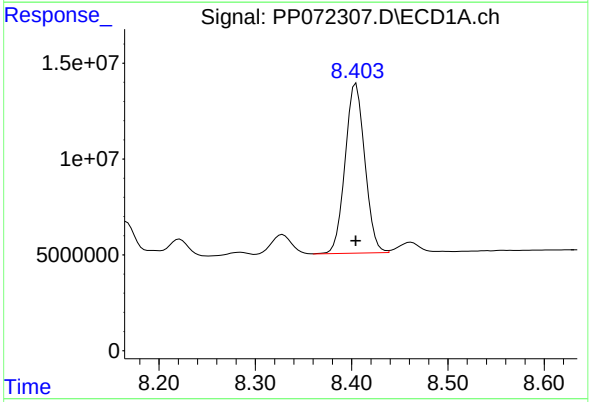
R.T.: 8.086 min
Delta R.T.: 0.001 min
Response: 56275585
Conc: 524.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



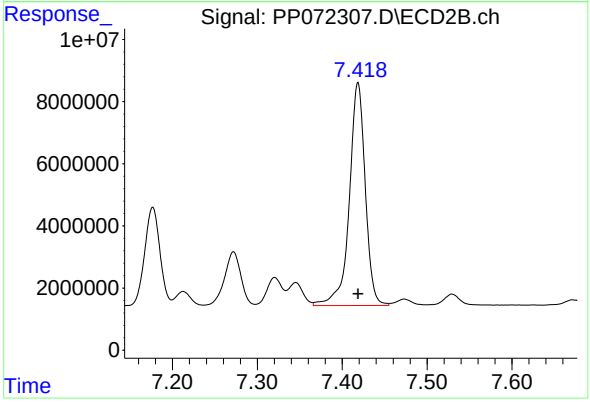
#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 39751028
Conc: 551.40 ng/ml



#35 AR-1260-5

R.T.: 8.405 min
Delta R.T.: 0.000 min
Response: 125176011
Conc: 528.92 ng/ml



#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 93782415
Conc: 540.15 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 17:22 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/23/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 17:22 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.08	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.71	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072322.D **Time Analyzed:** 17:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.552	5.752	430.030	500.000	-14.0
Aroclor-1016-2	5.677	5.574	5.774	465.180	500.000	-7.0
Aroclor-1016-3	5.739	5.636	5.836	448.080	500.000	-10.4
Aroclor-1016-4	5.837	5.734	5.934	456.730	500.000	-8.7
Aroclor-1016-5	6.130	6.027	6.227	456.390	500.000	-8.7
Aroclor-1260-1	7.248	7.147	7.347	430.370	500.000	-13.9
Aroclor-1260-2	7.501	7.401	7.601	417.130	500.000	-16.6
Aroclor-1260-3	7.861	7.760	7.960	425.650	500.000	-14.9
Aroclor-1260-4	8.084	7.985	8.185	414.730	500.000	-17.1
Aroclor-1260-5	8.404	8.303	8.503	440.150	500.000	-12.0
Decachlorobiphenyl	10.211	10.113	10.313	44.670	50.000	-10.7
Tetrachloro-m-xylene	4.503	4.396	4.596	49.930	50.000	-0.1

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072322.D **Time Analyzed:** 17:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.880	4.777	4.977	518.370	500.000	3.7
Aroclor-1016-2	4.898	4.795	4.995	525.830	500.000	5.2
Aroclor-1016-3	5.075	4.973	5.173	537.100	500.000	7.4
Aroclor-1016-4	5.117	5.015	5.215	531.330	500.000	6.3
Aroclor-1016-5	5.331	5.229	5.429	566.760	500.000	13.4
Aroclor-1260-1	6.364	6.264	6.464	497.790	500.000	-0.4
Aroclor-1260-2	6.553	6.453	6.653	472.800	500.000	-5.4
Aroclor-1260-3	6.705	6.606	6.806	498.670	500.000	-0.3
Aroclor-1260-4	7.176	7.077	7.277	484.670	500.000	-3.1
Aroclor-1260-5	7.418	7.319	7.519	475.080	500.000	-5.0
Decachlorobiphenyl	8.820	8.723	8.923	50.170	50.000	0.3
Tetrachloro-m-xylene	3.797	3.691	3.891	52.470	50.000	4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 17:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	100.4E6	83867736	49.933	52.471
2)	SA Decachlor...	10.211	8.820	72778770	53110220	44.674	50.170
	Target Compounds						
3)	L1 AR-1016-1	5.656	4.880	32287930	31843333	430.026	518.372
4)	L1 AR-1016-2	5.677	4.898	49770052	46162402	465.177	525.831
5)	L1 AR-1016-3	5.739	5.075	29378050	25594995	448.076	537.095
6)	L1 AR-1016-4	5.837	5.117	24329780	20214662	456.726	531.331
7)	L1 AR-1016-5	6.130	5.331	22321753	28238556	456.392	566.761
31)	L7 AR-1260-1	7.248	6.364	40280621	39700965	430.373	497.795
32)	L7 AR-1260-2	7.501	6.553	59854139	47952303	417.132	472.799
33)	L7 AR-1260-3	7.861	6.705	48469420	43335929	425.653	498.674
34)	L7 AR-1260-4	8.084	7.176	44501596	34940437	414.730	484.672
35)	L7 AR-1260-5	8.404	7.418	104.2E6	82484707	440.155	475.077

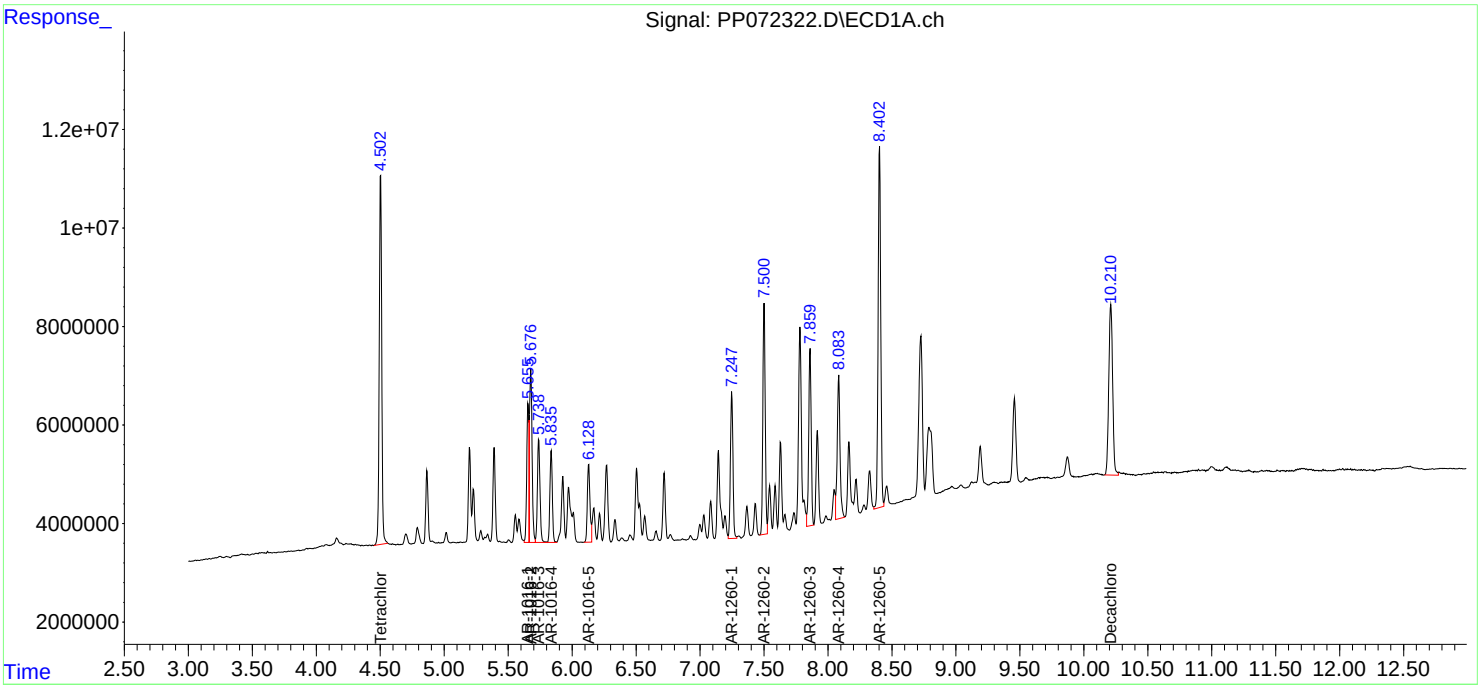
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

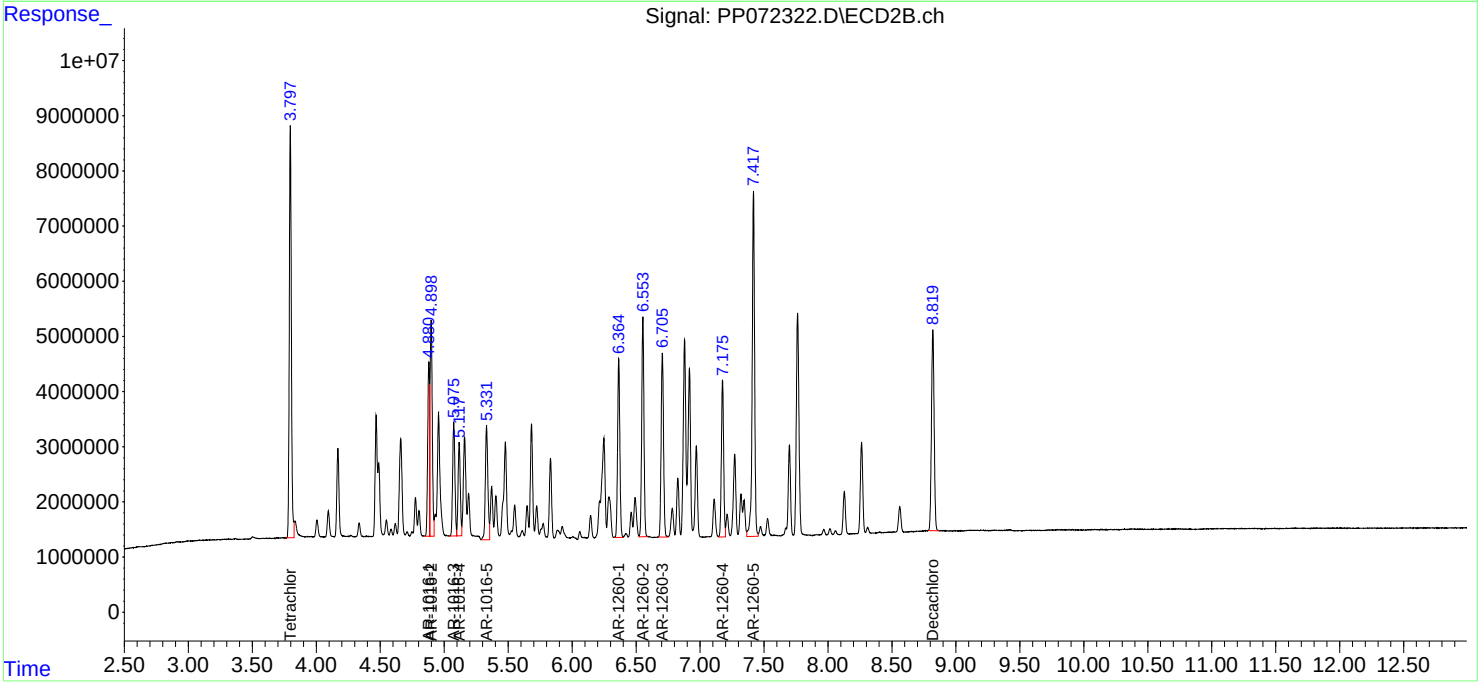
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 17:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

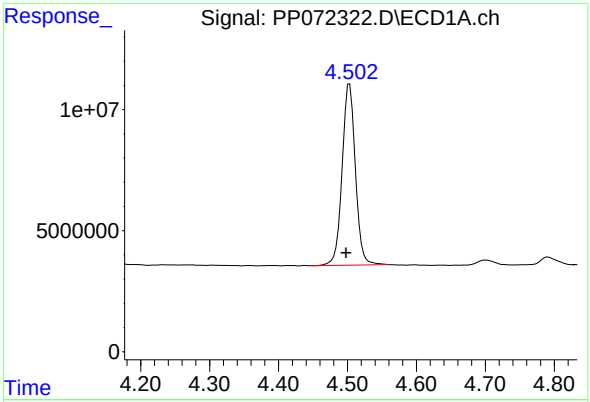
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



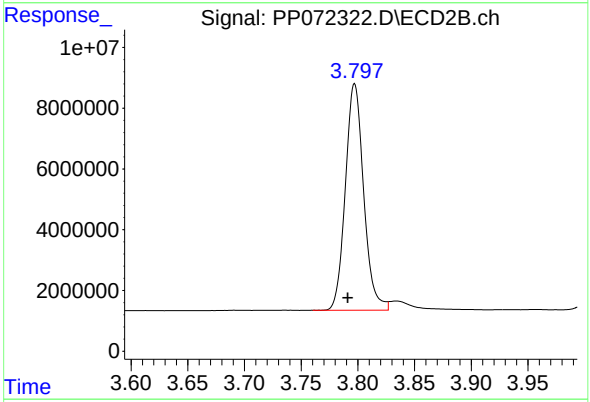




#1 Tetrachloro-m-xylene

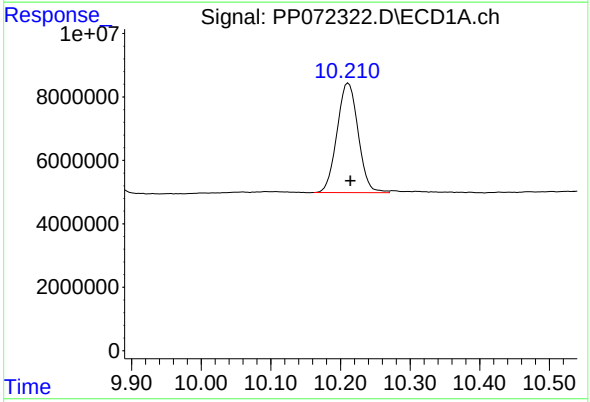
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 100406150
Conc: 49.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



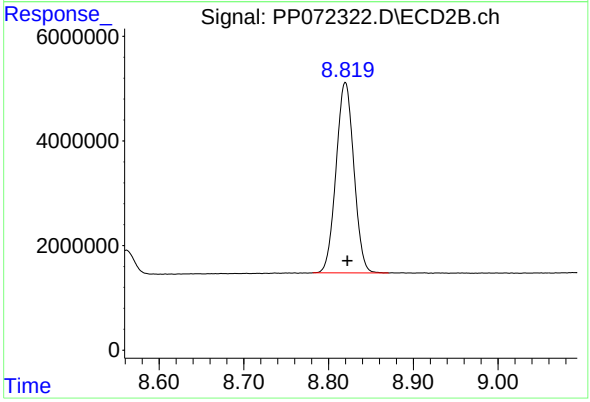
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 83867736
Conc: 52.47 ng/ml



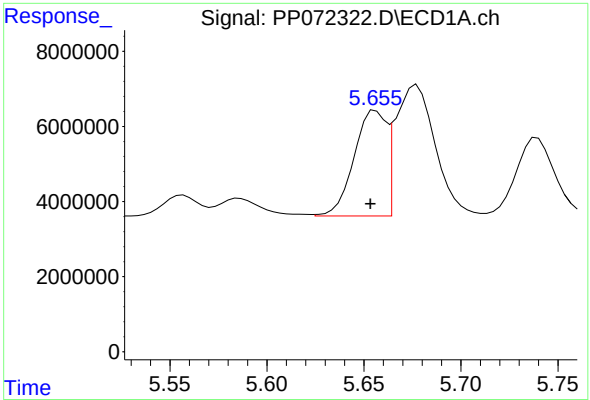
#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.003 min
Response: 72778770
Conc: 44.67 ng/ml



#2 Decachlorobiphenyl

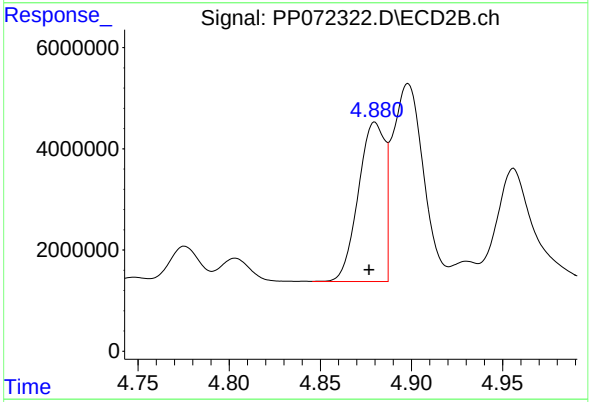
R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 53110220
Conc: 50.17 ng/ml



#3 AR-1016-1

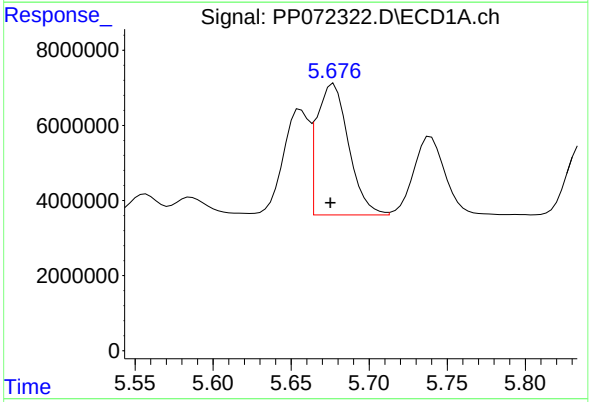
R.T.: 5.656 min
Delta R.T.: 0.003 min
Response: 32287930
Conc: 430.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



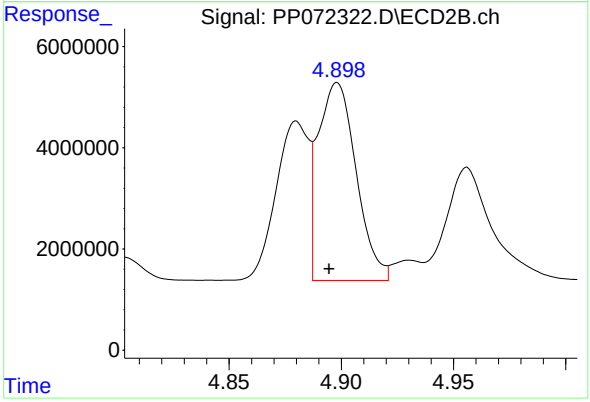
#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.003 min
Response: 31843333
Conc: 518.37 ng/ml



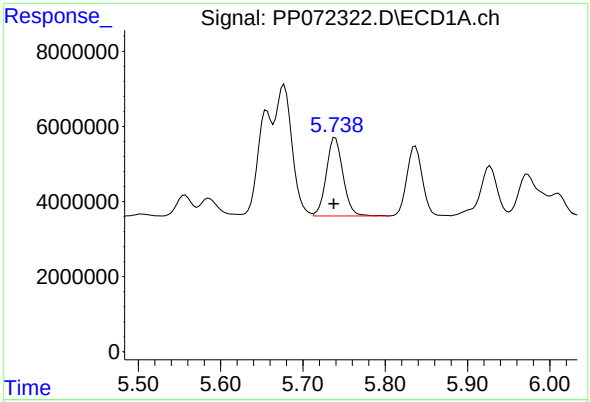
#4 AR-1016-2

R.T.: 5.677 min
Delta R.T.: 0.002 min
Response: 49770052
Conc: 465.18 ng/ml



#4 AR-1016-2

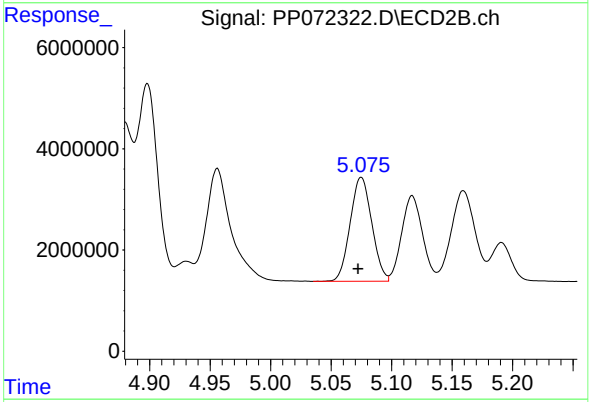
R.T.: 4.898 min
Delta R.T.: 0.004 min
Response: 46162402
Conc: 525.83 ng/ml



#5 AR-1016-3

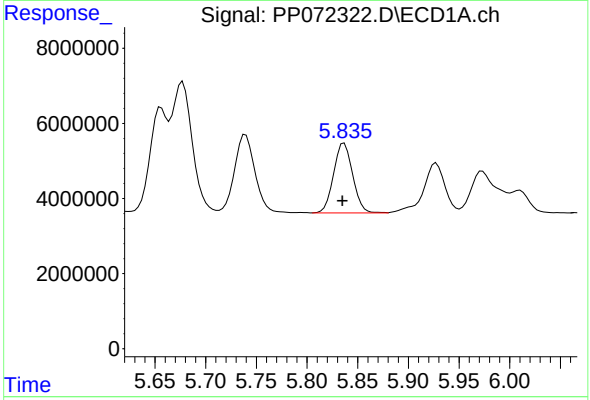
R.T.: 5.739 min
Delta R.T.: 0.002 min
Response: 29378050
Conc: 448.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



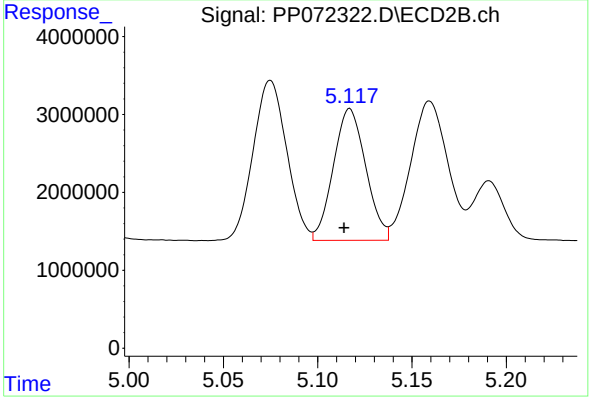
#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 25594995
Conc: 537.10 ng/ml



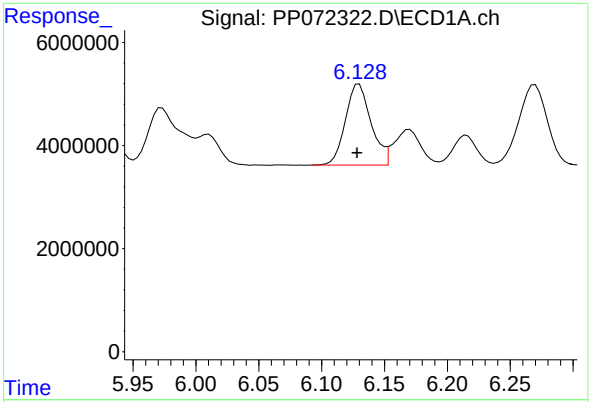
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.002 min
Response: 24329780
Conc: 456.73 ng/ml



#6 AR-1016-4

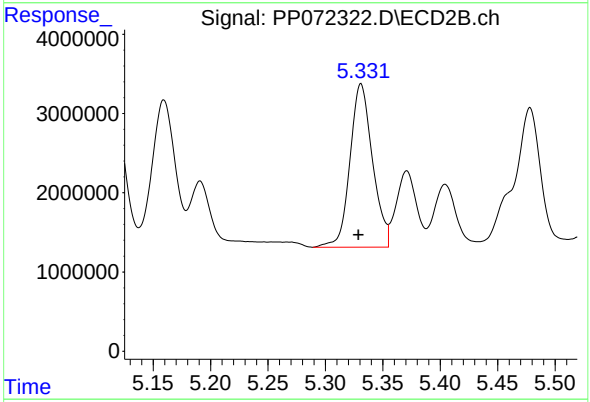
R.T.: 5.117 min
Delta R.T.: 0.003 min
Response: 20214662
Conc: 531.33 ng/ml



#7 AR-1016-5

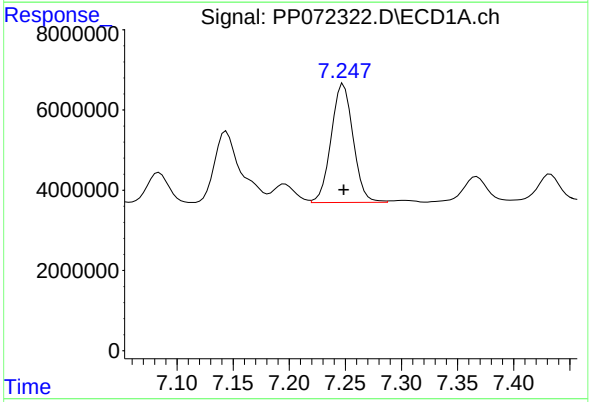
R.T.: 6.130 min
Delta R.T.: 0.002 min
Response: 22321753
Conc: 456.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



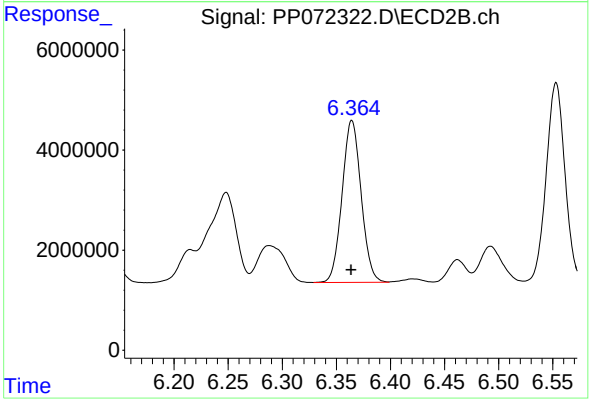
#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.002 min
Response: 28238556
Conc: 566.76 ng/ml



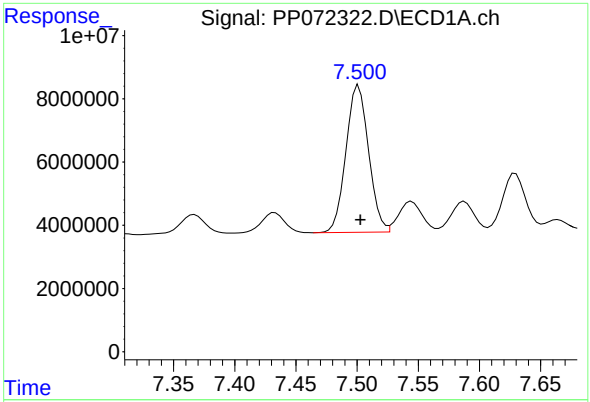
#31 AR-1260-1

R.T.: 7.248 min
Delta R.T.: 0.000 min
Response: 40280621
Conc: 430.37 ng/ml



#31 AR-1260-1

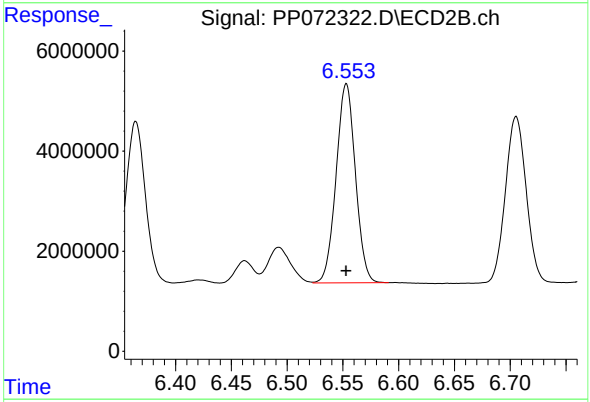
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 39700965
Conc: 497.79 ng/ml



#32 AR-1260-2

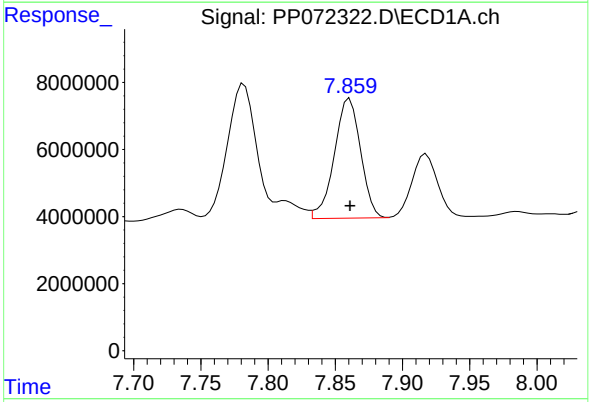
R.T.: 7.501 min
Delta R.T.: -0.001 min
Response: 59854139
Conc: 417.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



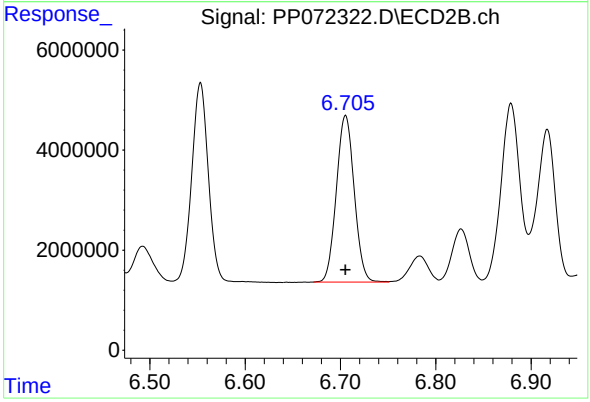
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 47952303
Conc: 472.80 ng/ml



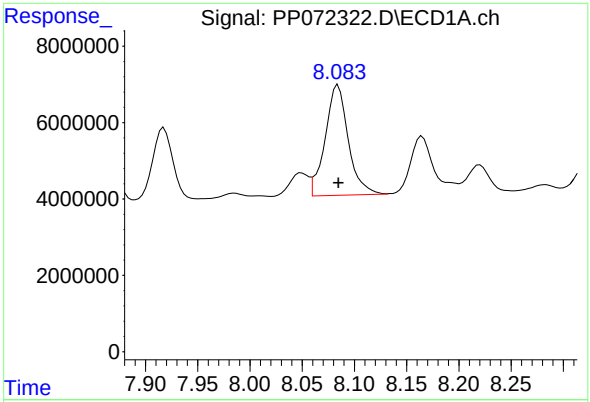
#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 48469420
Conc: 425.65 ng/ml



#33 AR-1260-3

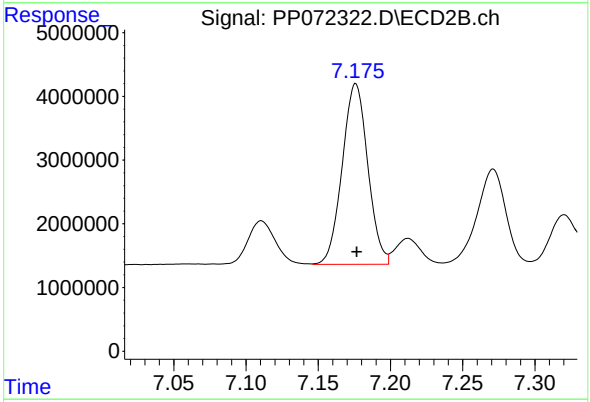
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 43335929
Conc: 498.67 ng/ml



#34 AR-1260-4

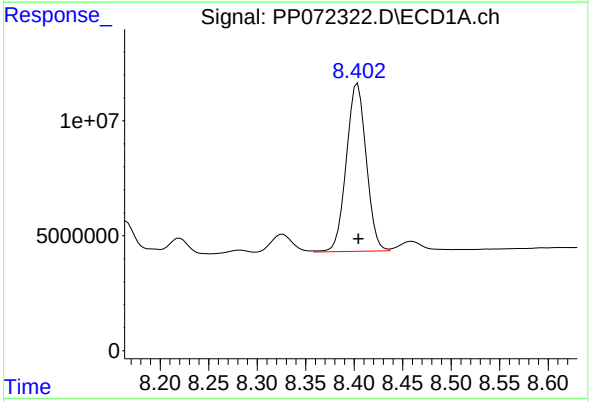
R.T.: 8.084 min
Delta R.T.: 0.000 min
Response: 44501596
Conc: 414.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



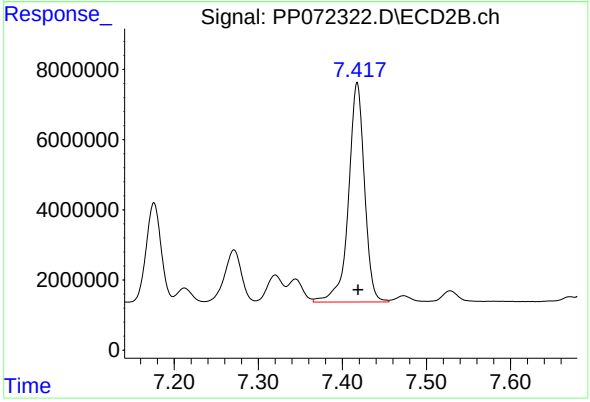
#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 34940437
Conc: 484.67 ng/ml



#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 104168034
Conc: 440.15 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: -0.001 min
Response: 82484707
Conc: 475.08 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 02:05 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.01

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 02:05 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072347.D **Time Analyzed:** 02:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.653	5.552	5.752	461.720	500.000	-7.7
Aroclor-1016-2	5.674	5.574	5.774	487.490	500.000	-2.5
Aroclor-1016-3	5.736	5.636	5.836	487.020	500.000	-2.6
Aroclor-1016-4	5.834	5.734	5.934	503.070	500.000	0.6
Aroclor-1016-5	6.126	6.027	6.227	496.600	500.000	-0.7
Aroclor-1260-1	7.245	7.147	7.347	482.650	500.000	-3.5
Aroclor-1260-2	7.498	7.401	7.601	476.560	500.000	-4.7
Aroclor-1260-3	7.856	7.760	7.960	494.700	500.000	-1.1
Aroclor-1260-4	8.081	7.985	8.185	482.640	500.000	-3.5
Aroclor-1260-5	8.400	8.303	8.503	489.690	500.000	-2.1
Decachlorobiphenyl	10.205	10.113	10.313	49.450	50.000	-1.1
Tetrachloro-m-xylene	4.500	4.396	4.596	50.360	50.000	0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072347.D **Time Analyzed:** 02:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	509.160	500.000	1.8
Aroclor-1016-2	4.896	4.795	4.995	521.050	500.000	4.2
Aroclor-1016-3	5.073	4.973	5.173	535.580	500.000	7.1
Aroclor-1016-4	5.115	5.015	5.215	540.020	500.000	8.0
Aroclor-1016-5	5.329	5.229	5.429	532.910	500.000	6.6
Aroclor-1260-1	6.361	6.264	6.464	537.210	500.000	7.4
Aroclor-1260-2	6.550	6.453	6.653	504.890	500.000	1.0
Aroclor-1260-3	6.703	6.606	6.806	534.550	500.000	6.9
Aroclor-1260-4	7.173	7.077	7.277	531.200	500.000	6.2
Aroclor-1260-5	7.415	7.319	7.519	522.390	500.000	4.5
Decachlorobiphenyl	8.816	8.723	8.923	51.900	50.000	3.8
Tetrachloro-m-xylene	3.796	3.691	3.891	51.320	50.000	2.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:05
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.796	101.3E6	82021140	50.364	51.316
2)	SA Decachlor...	10.205	8.816	80552259	54941515	49.445	51.900
	Target Compounds						
3)	L1 AR-1016-1	5.653	4.878	34667725	31277742	461.721	509.165
4)	L1 AR-1016-2	5.674	4.896	52156848	45742370	487.485	521.047
5)	L1 AR-1016-3	5.736	5.073	31931644	25522816	487.023	535.581
6)	L1 AR-1016-4	5.834	5.115	26798673	20545401	503.073	540.024
7)	L1 AR-1016-5	6.126	5.329	24288299	26552132	496.600	532.914
31)	L7 AR-1260-1	7.245	6.361	45173719	42844767	482.652	537.213
32)	L7 AR-1260-2	7.498	6.550	68380919	51207463	476.556	504.894
33)	L7 AR-1260-3	7.856	6.703	56332128	46453978	494.702	534.554
34)	L7 AR-1260-4	8.081	7.173	51788693	38294558	482.642	531.198
35)	L7 AR-1260-5	8.400	7.415	115.9E6	90698578	489.689	522.385

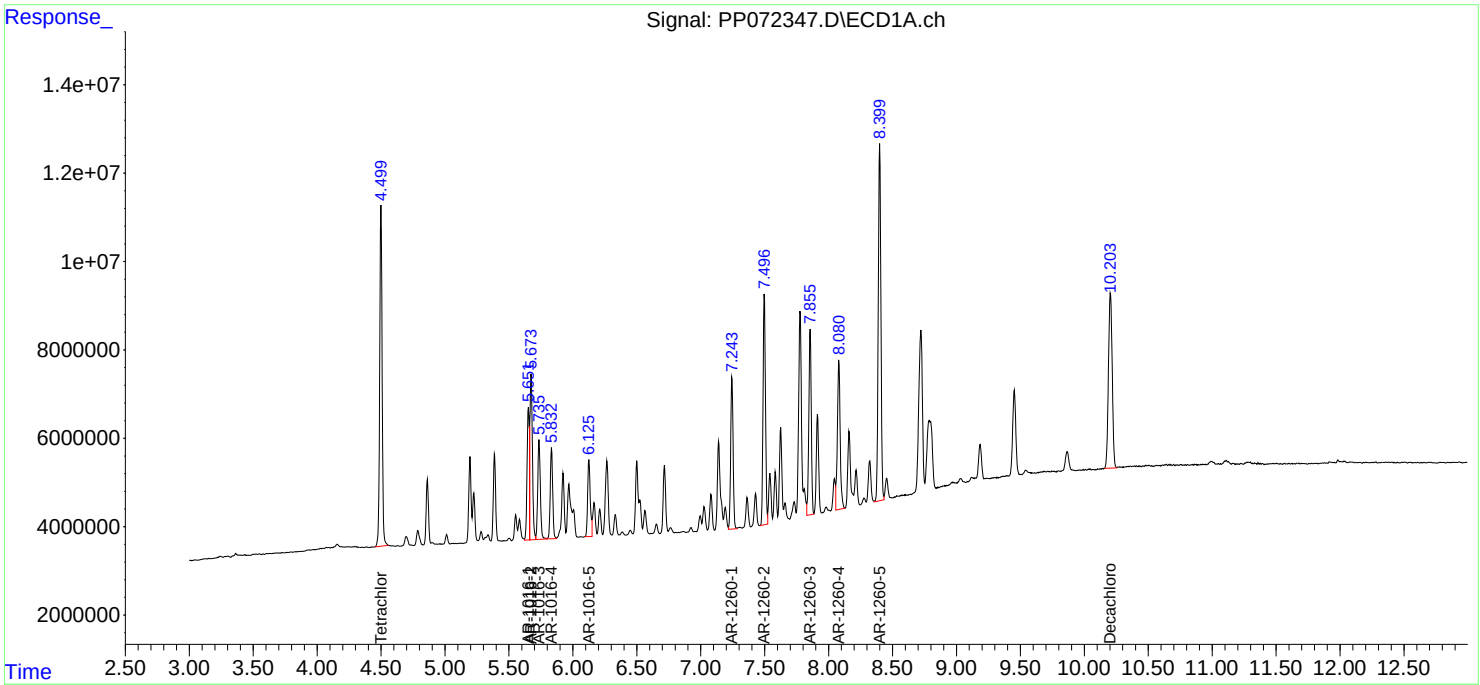
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

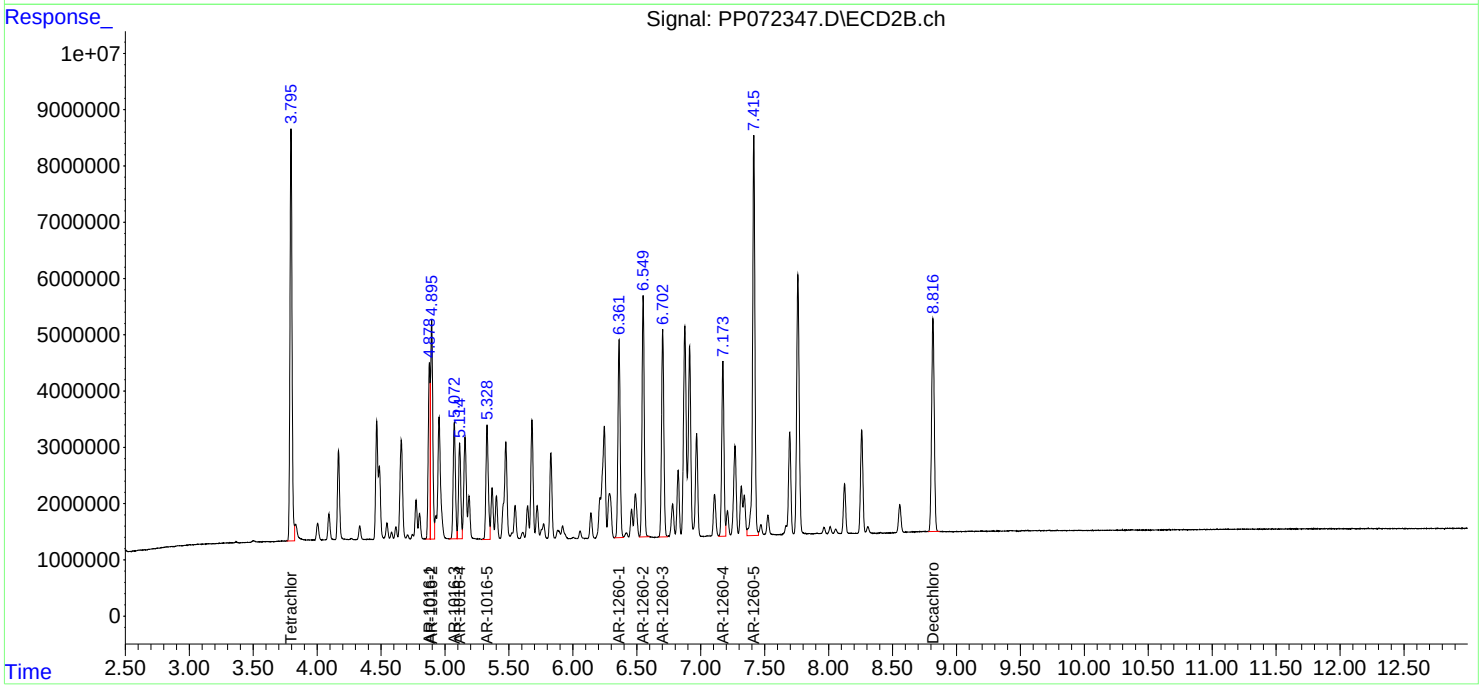
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:05
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

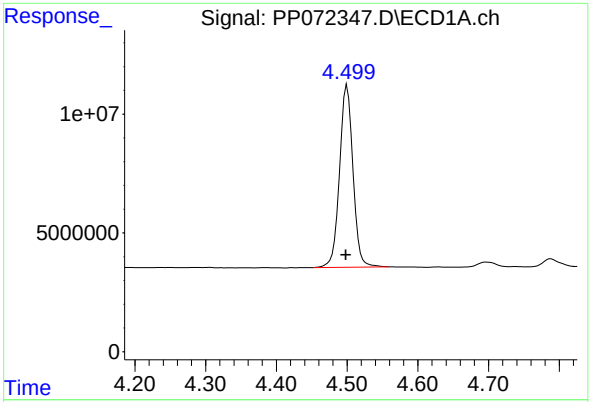
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



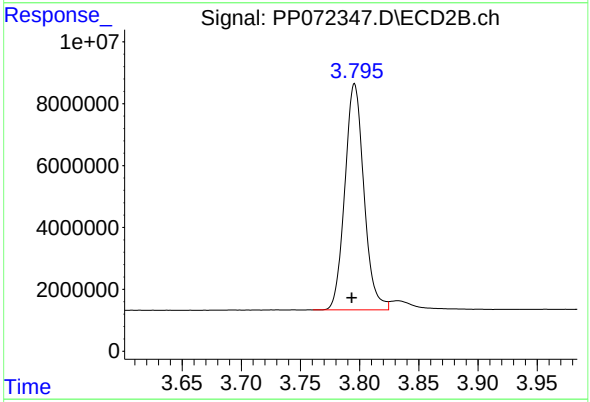




#1 Tetrachloro-m-xylene

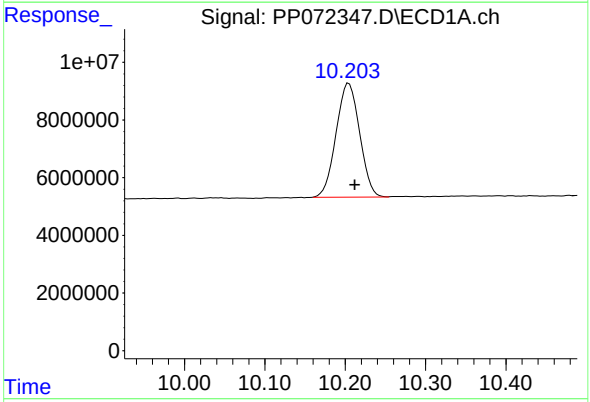
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 101271368
Conc: 50.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



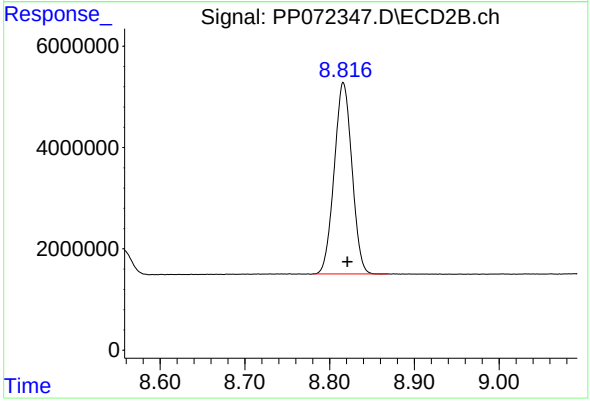
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 82021140
Conc: 51.32 ng/ml



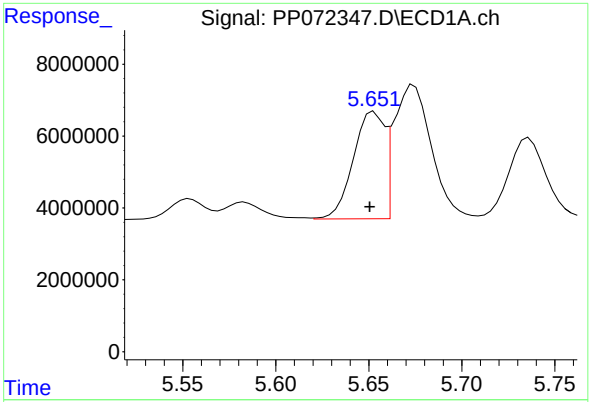
#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.007 min
Response: 80552259
Conc: 49.45 ng/ml



#2 Decachlorobiphenyl

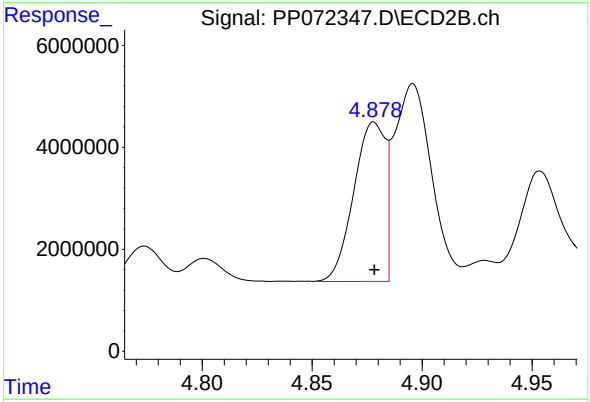
R.T.: 8.816 min
Delta R.T.: -0.005 min
Response: 54941515
Conc: 51.90 ng/ml



#3 AR-1016-1

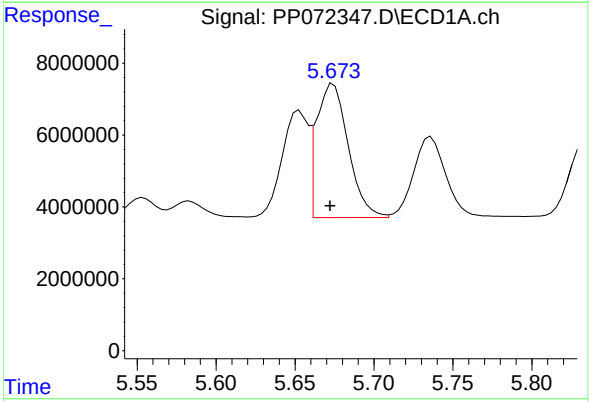
R.T.: 5.653 min
Delta R.T.: 0.002 min
Response: 34667725
Conc: 461.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



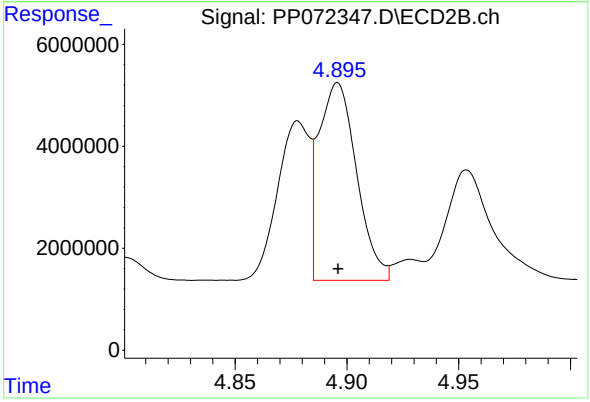
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 31277742
Conc: 509.16 ng/ml



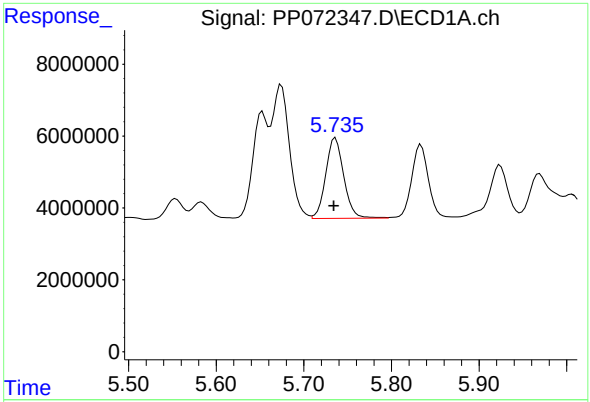
#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.002 min
Response: 52156848
Conc: 487.49 ng/ml



#4 AR-1016-2

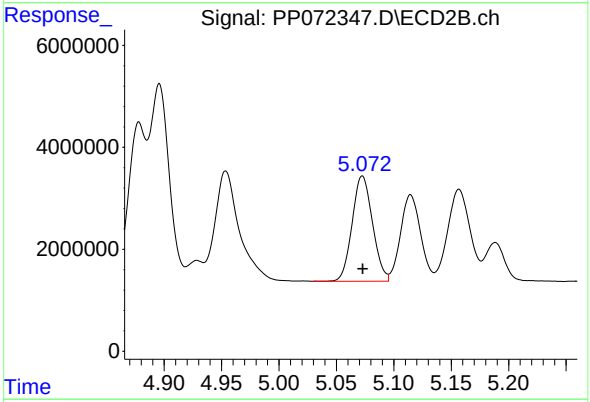
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 45742370
Conc: 521.05 ng/ml



#5 AR-1016-3

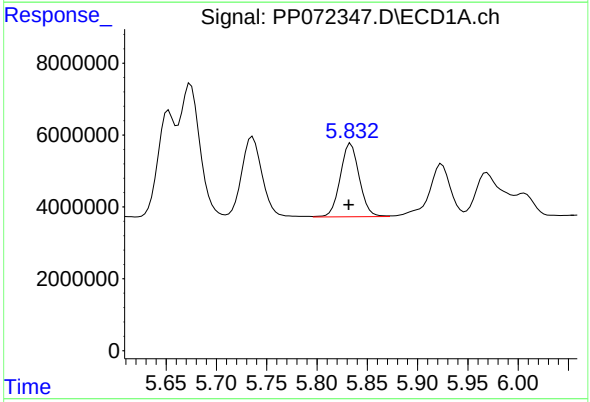
R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 31931644
Conc: 487.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



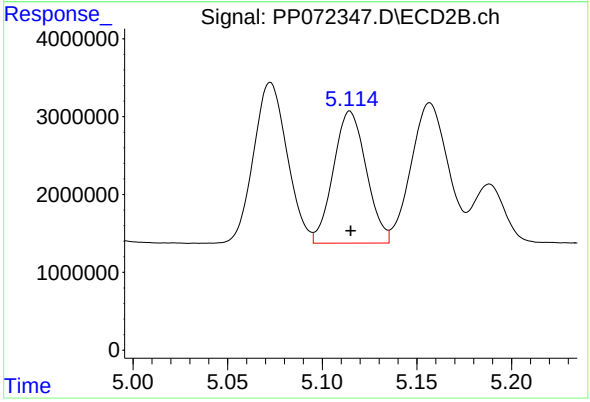
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 25522816
Conc: 535.58 ng/ml



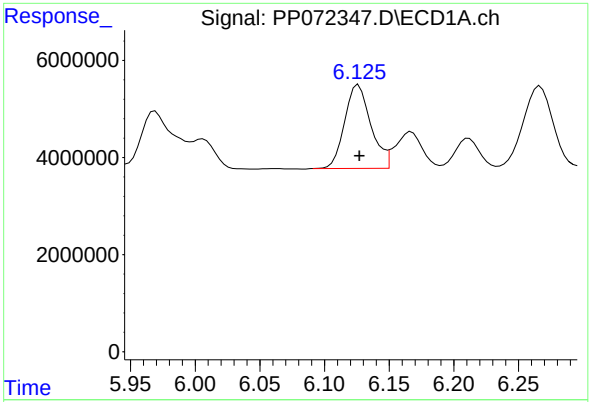
#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 26798673
Conc: 503.07 ng/ml



#6 AR-1016-4

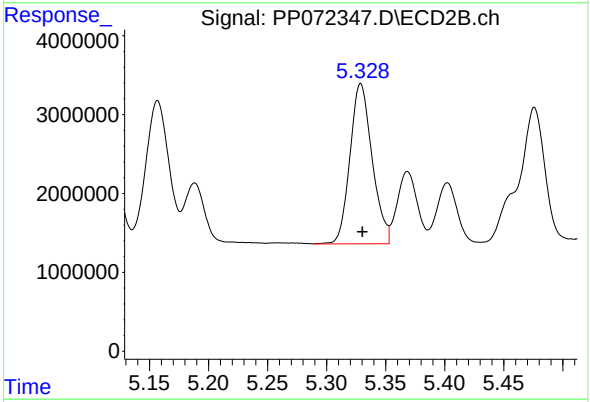
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 20545401
Conc: 540.02 ng/ml



#7 AR-1016-5

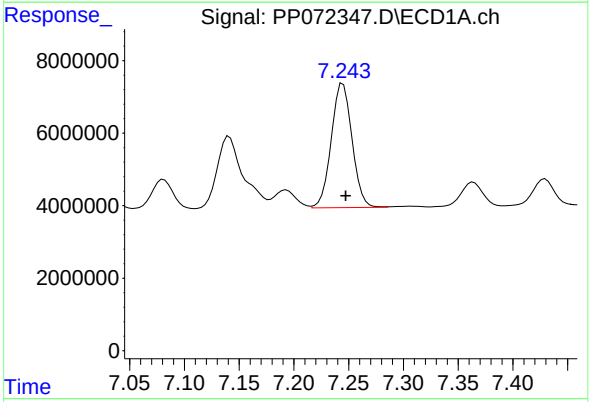
R.T.: 6.126 min
Delta R.T.: 0.000 min
Response: 24288299
Conc: 496.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



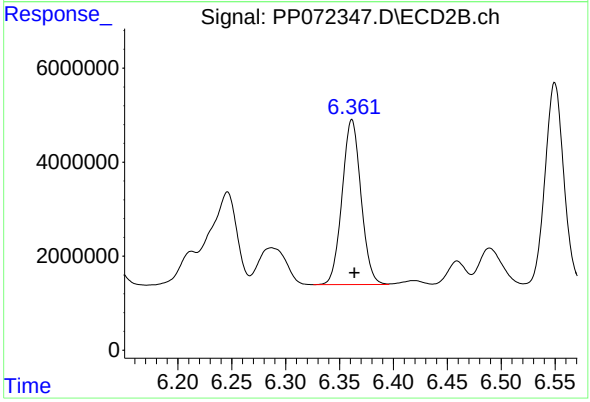
#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: -0.002 min
Response: 26552132
Conc: 532.91 ng/ml



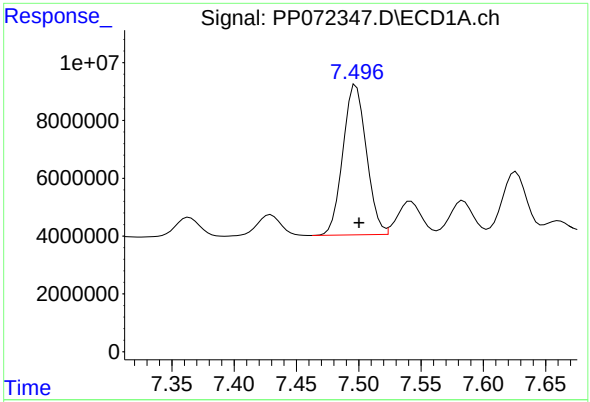
#31 AR-1260-1

R.T.: 7.245 min
Delta R.T.: -0.002 min
Response: 45173719
Conc: 482.65 ng/ml



#31 AR-1260-1

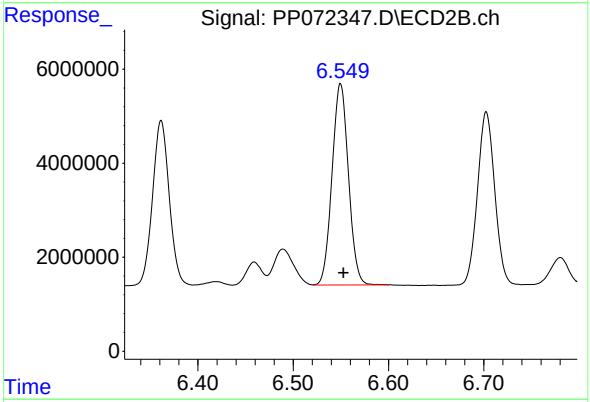
R.T.: 6.361 min
Delta R.T.: -0.002 min
Response: 42844767
Conc: 537.21 ng/ml



#32 AR-1260-2

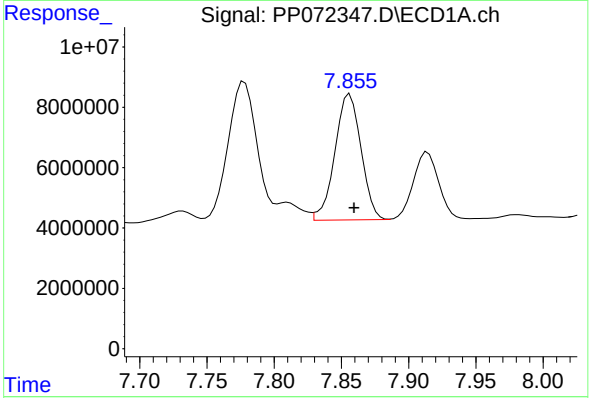
R.T.: 7.498 min
Delta R.T.: -0.003 min
Response: 68380919
Conc: 476.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



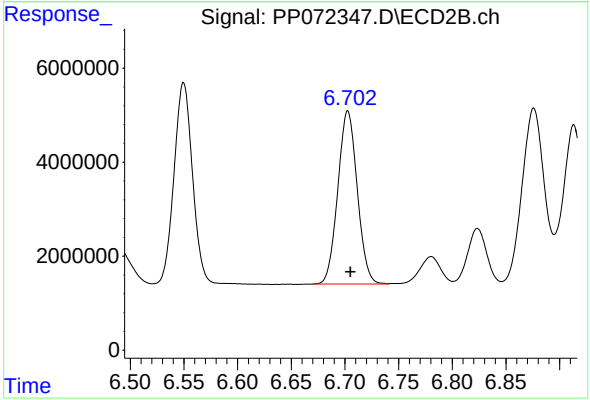
#32 AR-1260-2

R.T.: 6.550 min
Delta R.T.: -0.003 min
Response: 51207463
Conc: 504.89 ng/ml



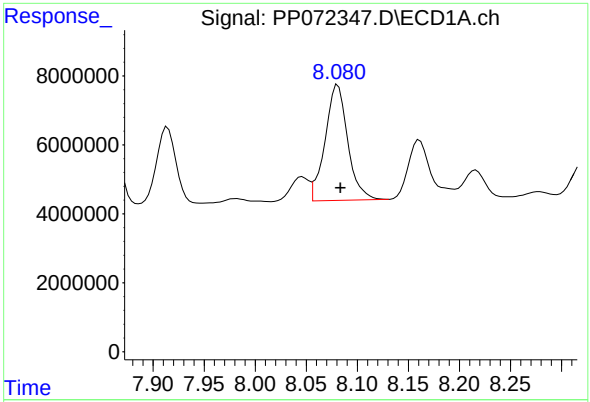
#33 AR-1260-3

R.T.: 7.856 min
Delta R.T.: -0.003 min
Response: 56332128
Conc: 494.70 ng/ml



#33 AR-1260-3

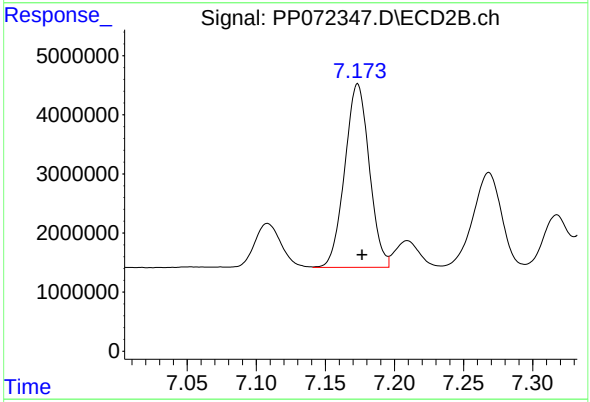
R.T.: 6.703 min
Delta R.T.: -0.003 min
Response: 46453978
Conc: 534.55 ng/ml



#34 AR-1260-4

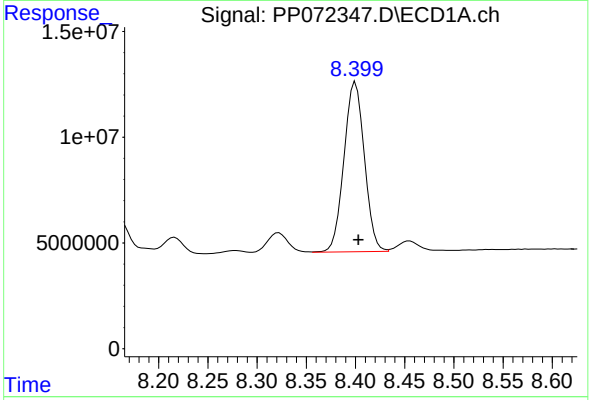
R.T.: 8.081 min
Delta R.T.: -0.002 min
Response: 51788693
Conc: 482.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



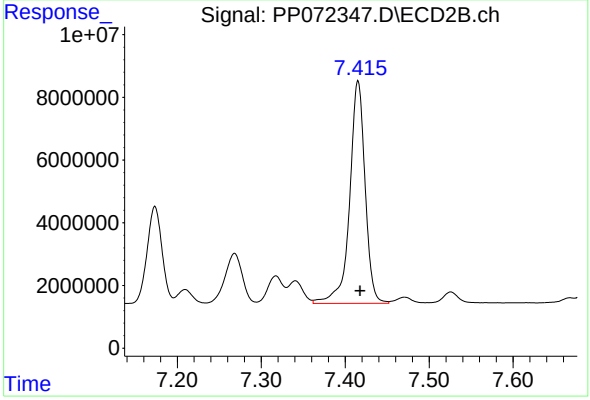
#34 AR-1260-4

R.T.: 7.173 min
Delta R.T.: -0.003 min
Response: 38294558
Conc: 531.20 ng/ml



#35 AR-1260-5

R.T.: 8.400 min
Delta R.T.: -0.003 min
Response: 115890850
Conc: 489.69 ng/ml



#35 AR-1260-5

R.T.: 7.415 min
Delta R.T.: -0.003 min
Response: 90698578
Conc: 522.39 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 02:37 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	4.71	4.70	4.60	4.80	0.00
Aroclor-1221-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1221-3	(3)	4.87	4.86	4.76	4.96	-0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 02:37 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1221-1	(1)	4.01	4.01	3.91	4.11	0.00
Aroclor-1221-2	(2)	4.09	4.09	3.99	4.19	0.00
Aroclor-1221-3	(3)	4.17	4.17	4.07	4.27	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072348.D **Time Analyzed:** 02:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.705	4.603	4.803	500.970	500.000	0.2
Aroclor-1221-2	4.791	4.688	4.888	484.700	500.000	-3.1
Aroclor-1221-3	4.866	4.764	4.964	489.220	500.000	-2.2
Decachlorobiphenyl	10.208	10.114	10.314	50.000	50.000	0.0
Tetrachloro-m-xylene	4.503	4.401	4.601	50.740	50.000	1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072348.D **Time Analyzed:** 02:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.006	3.905	4.105	492.170	500.000	-1.6
Aroclor-1221-2	4.093	3.991	4.191	485.110	500.000	-3.0
Aroclor-1221-3	4.169	4.067	4.267	485.110	500.000	-3.0
Decachlorobiphenyl	8.818	8.724	8.924	52.540	50.000	5.1
Tetrachloro-m-xylene	3.796	3.694	3.894	52.590	50.000	5.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:37
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.796	102.0E6	84053769	50.737	52.588
2)	SA Decachlor...	10.208	8.818	81462556	55623178	50.004	52.544
	Target Compounds						
8)	L2 AR-1221-1	4.705	4.006	13096419	13195314	500.969	492.174
9)	L2 AR-1221-2	4.791	4.093	9887637	9961661	484.705	485.108
10)	L2 AR-1221-3	4.866	4.169	29597635	28567295	489.222	485.115

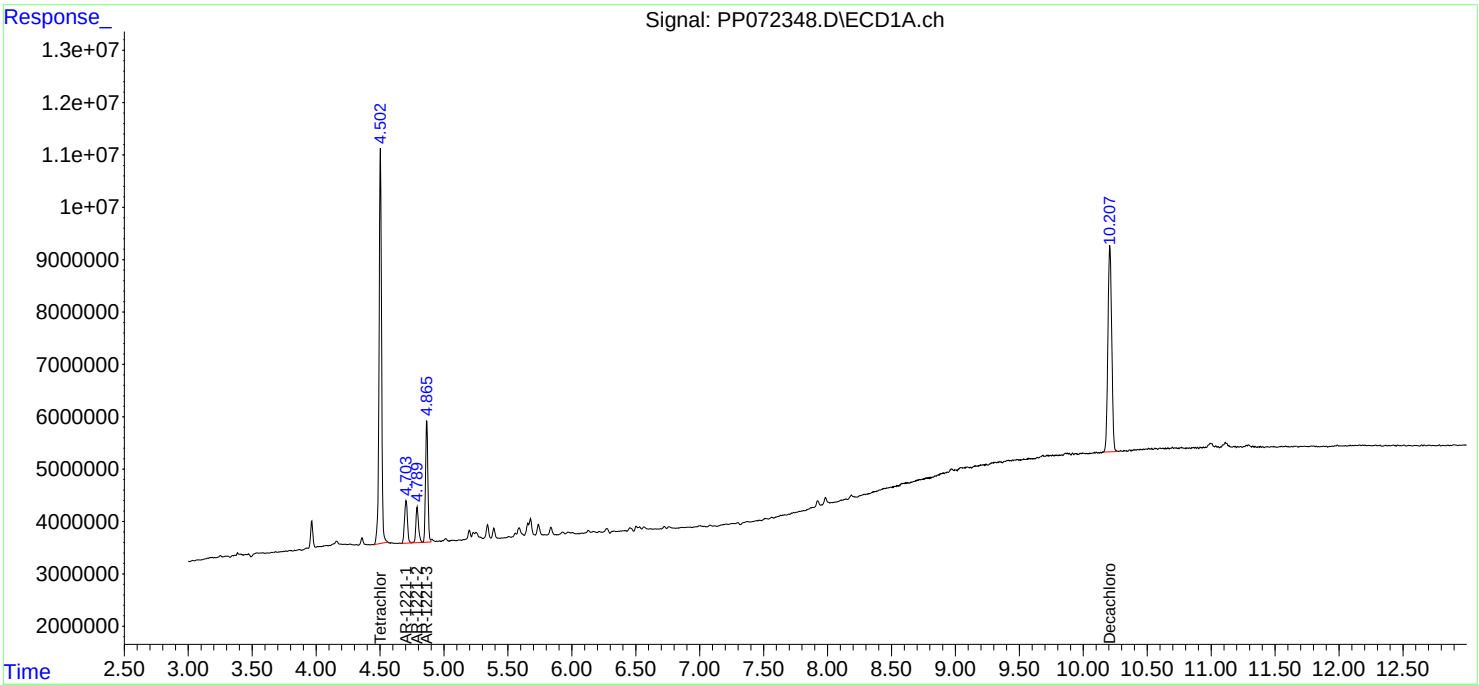
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

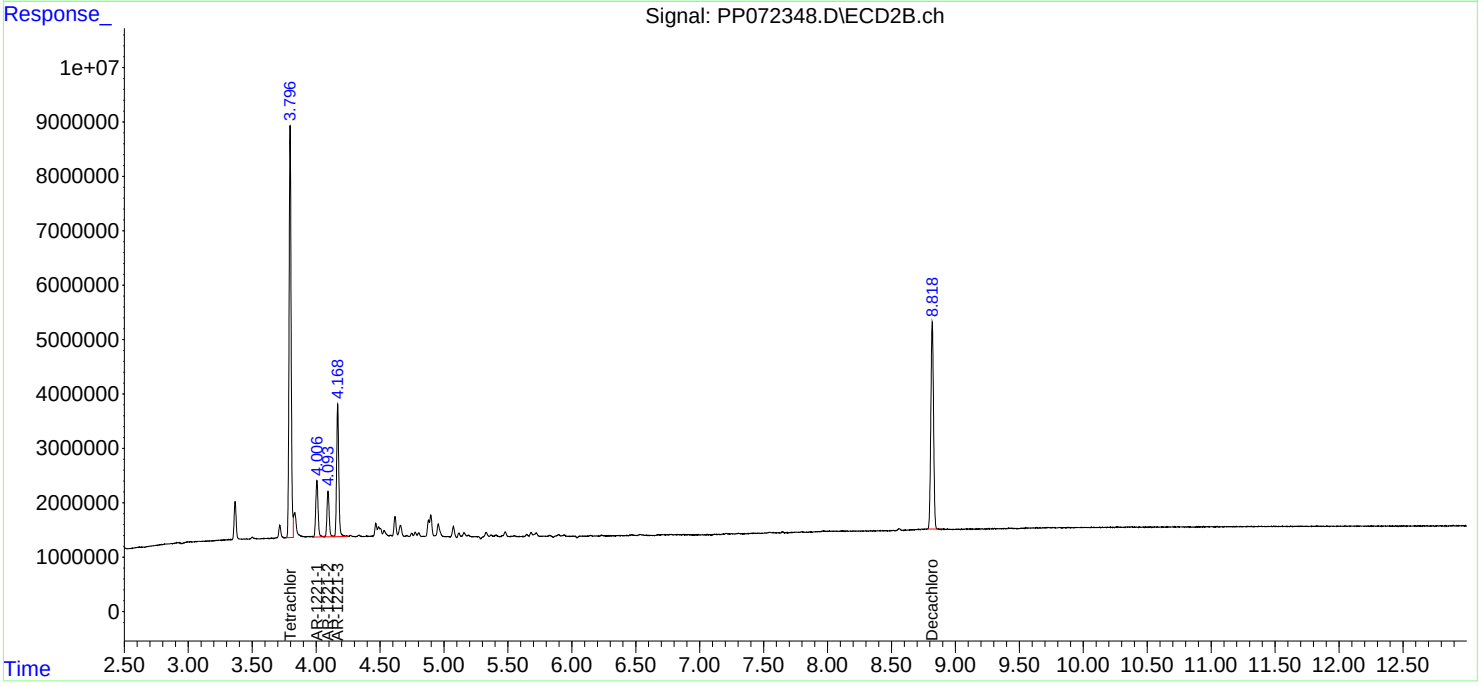
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 02:37
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

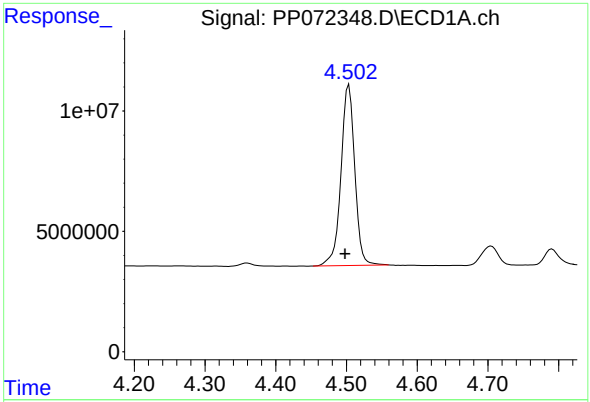
Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



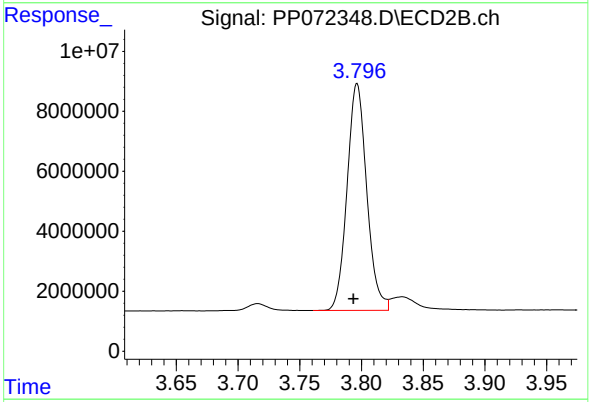




#1 Tetrachloro-m-xylene

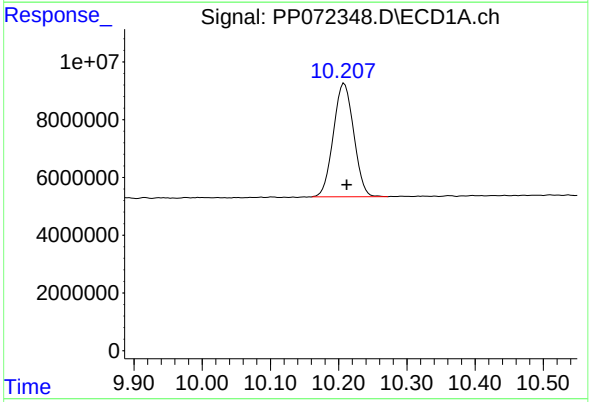
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 102021604
Conc: 50.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500



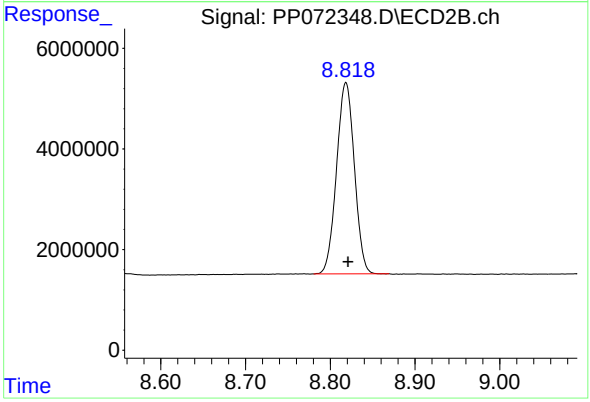
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 84053769
Conc: 52.59 ng/ml



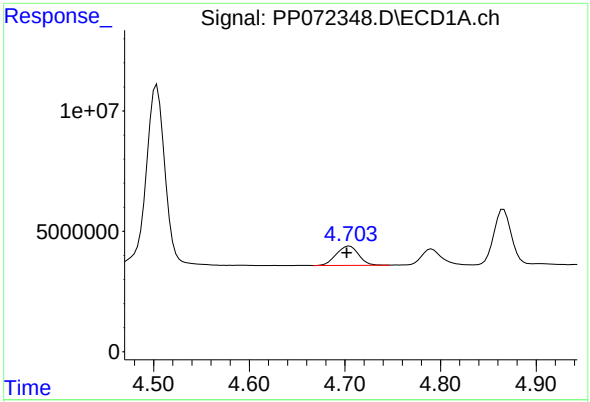
#2 Decachlorobiphenyl

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 81462556
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

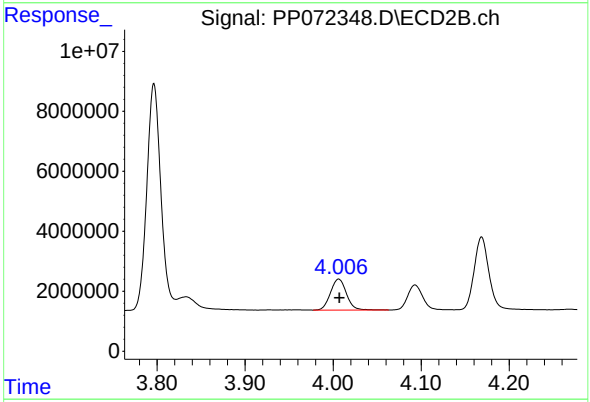
R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 55623178
Conc: 52.54 ng/ml



#8 AR-1221-1

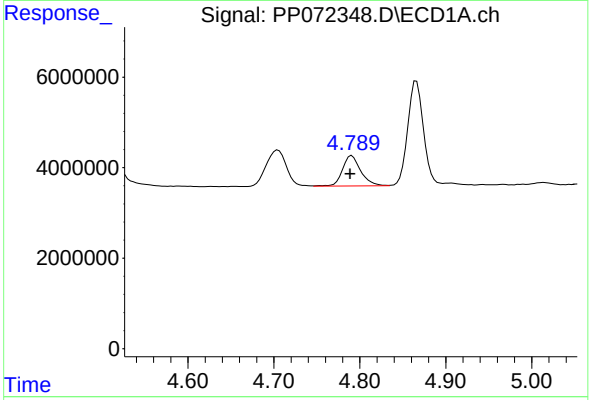
R.T.: 4.705 min
Delta R.T.: 0.003 min
Response: 13096419
Conc: 500.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500



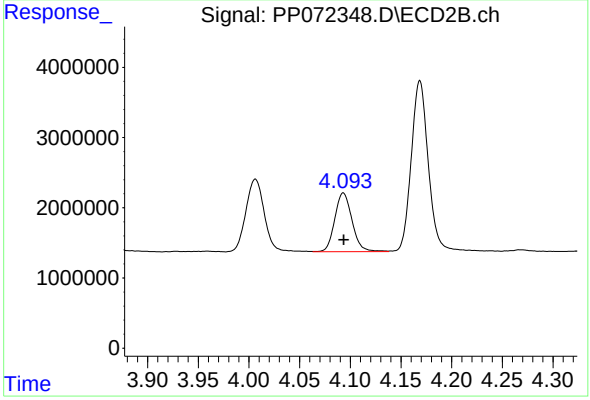
#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 13195314
Conc: 492.17 ng/ml



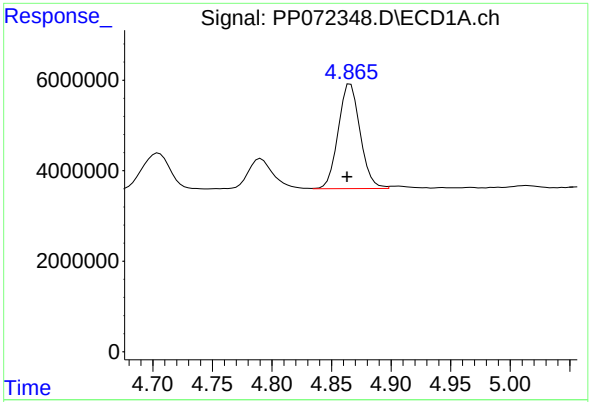
#9 AR-1221-2

R.T.: 4.791 min
Delta R.T.: 0.002 min
Response: 9887637
Conc: 484.70 ng/ml



#9 AR-1221-2

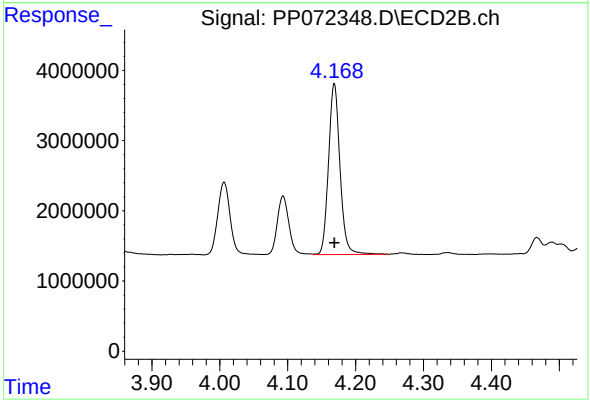
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 9961661
Conc: 485.11 ng/ml



#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 29597635
Conc: 489.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500



#10 AR-1221-3

R.T.: 4.169 min
Delta R.T.: 0.000 min
Response: 28567295
Conc: 485.11 ng/ml

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 05:36 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 05:36 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072356.D **Time Analyzed:** 05:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.653	5.552	5.752	456.330	500.000	-8.7
Aroclor-1016-2	5.675	5.574	5.774	491.300	500.000	-1.7
Aroclor-1016-3	5.737	5.636	5.836	483.500	500.000	-3.3
Aroclor-1016-4	5.834	5.734	5.934	498.060	500.000	-0.4
Aroclor-1016-5	6.126	6.027	6.227	496.810	500.000	-0.6
Aroclor-1260-1	7.244	7.147	7.347	481.870	500.000	-3.6
Aroclor-1260-2	7.498	7.401	7.601	473.250	500.000	-5.4
Aroclor-1260-3	7.856	7.760	7.960	496.030	500.000	-0.8
Aroclor-1260-4	8.080	7.985	8.185	503.040	500.000	0.6
Aroclor-1260-5	8.399	8.303	8.503	500.230	500.000	0.0
Decachlorobiphenyl	10.204	10.113	10.313	50.240	50.000	0.5
Tetrachloro-m-xylene	4.500	4.396	4.596	50.270	50.000	0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072356.D **Time Analyzed:** 05:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	521.520	500.000	4.3
Aroclor-1016-2	4.896	4.795	4.995	526.470	500.000	5.3
Aroclor-1016-3	5.073	4.973	5.173	537.350	500.000	7.5
Aroclor-1016-4	5.115	5.015	5.215	537.740	500.000	7.5
Aroclor-1016-5	5.329	5.229	5.429	550.370	500.000	10.1
Aroclor-1260-1	6.362	6.264	6.464	535.920	500.000	7.2
Aroclor-1260-2	6.551	6.453	6.653	510.220	500.000	2.0
Aroclor-1260-3	6.703	6.606	6.806	545.080	500.000	9.0
Aroclor-1260-4	7.173	7.077	7.277	550.870	500.000	10.2
Aroclor-1260-5	7.415	7.319	7.519	553.440	500.000	10.7
Decachlorobiphenyl	8.817	8.723	8.923	54.380	50.000	8.8
Tetrachloro-m-xylene	3.796	3.691	3.891	52.440	50.000	4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:36
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.796	101.1E6	83822214	50.272	52.443
2)	SA Decachlor...	10.204	8.817	81854124	57564761	50.244	54.378
	Target Compounds						
3)	L1 AR-1016-1	5.653	4.878	34262730	32037001	456.327	521.524
4)	L1 AR-1016-2	5.675	4.896	52564704	46218625	491.297	526.472
5)	L1 AR-1016-3	5.737	5.073	31700937	25607012	483.504	537.347
6)	L1 AR-1016-4	5.834	5.115	26531899	20458398	498.065	537.737
7)	L1 AR-1016-5	6.126	5.329	24298656	27421871	496.812	550.370
31)	L7 AR-1260-1	7.244	6.362	45100684	42741604	481.872	535.920
32)	L7 AR-1260-2	7.498	6.551	67906256	51748047	473.248	510.224
33)	L7 AR-1260-3	7.856	6.703	56483442	47369041	496.031	545.084
34)	L7 AR-1260-4	8.080	7.173	53977225	39712698	503.037	550.869
35)	L7 AR-1260-5	8.399	7.415	118.4E6	96090224	500.228	553.439

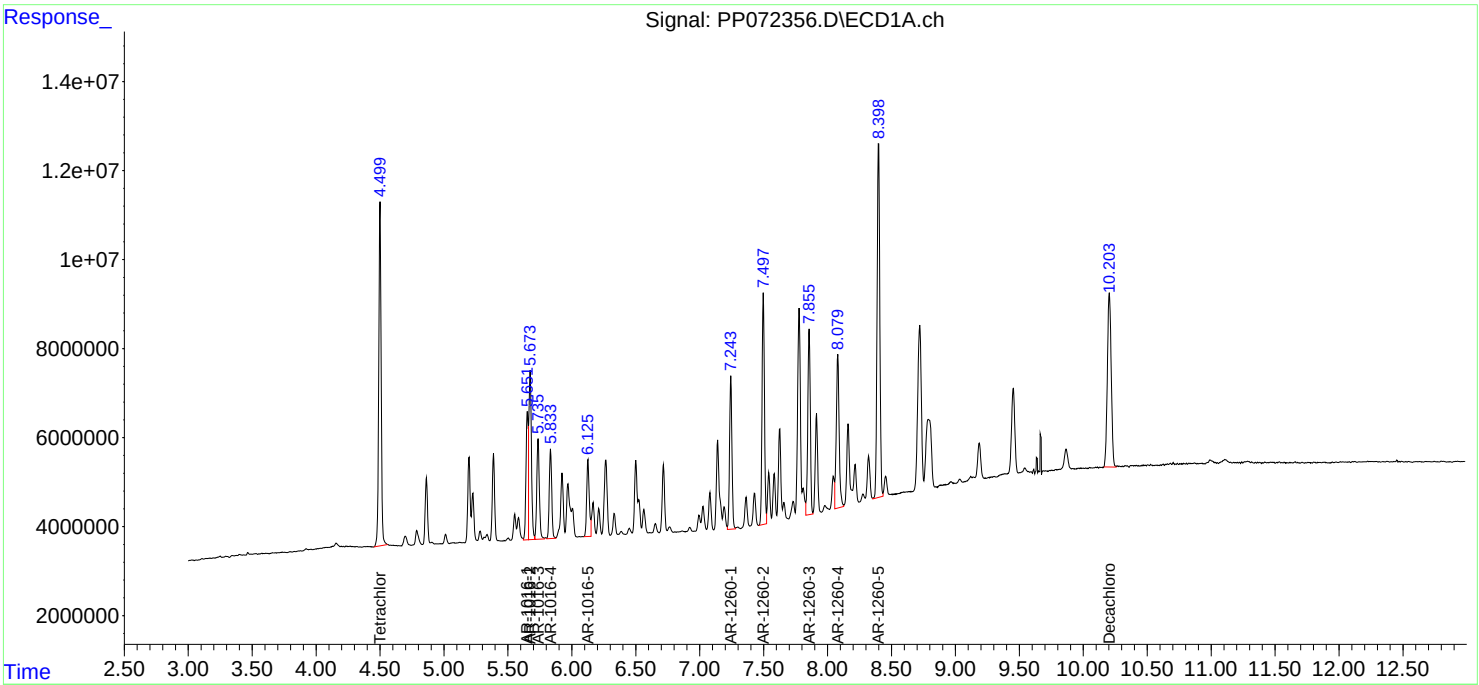
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

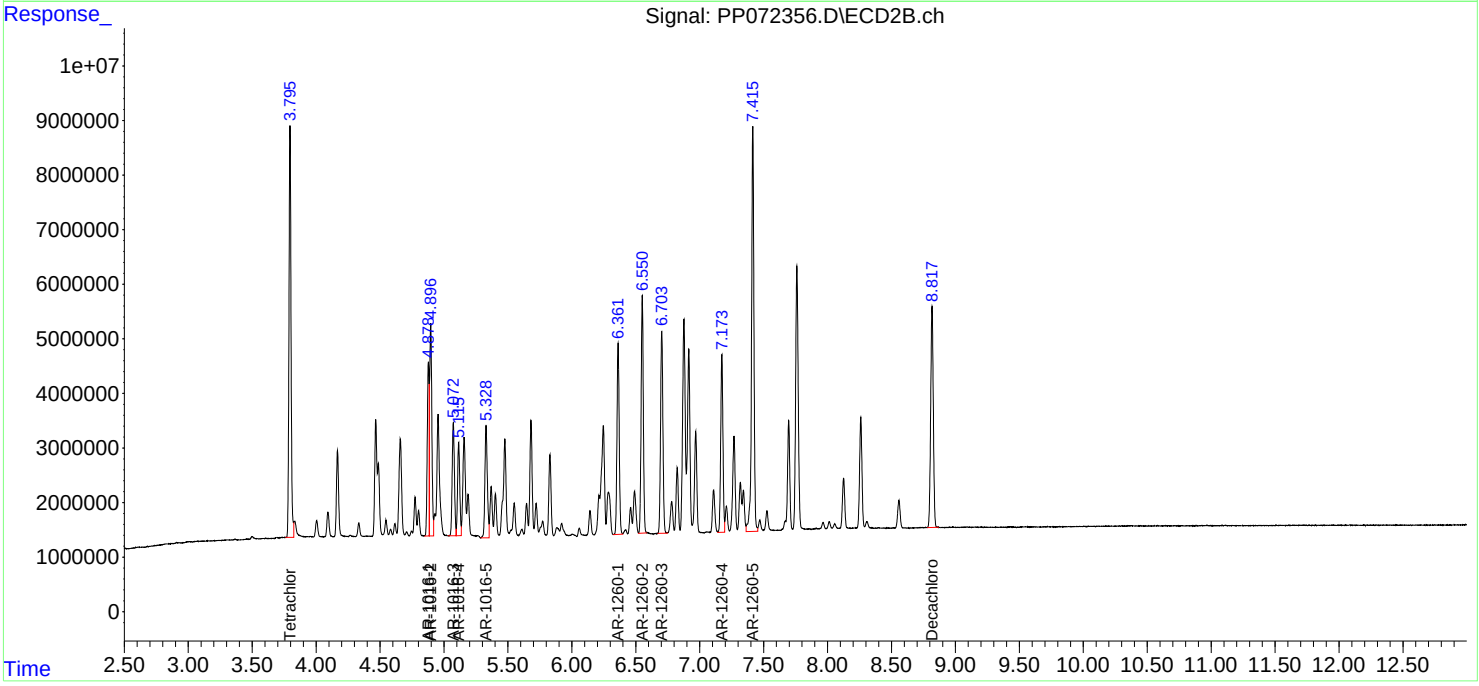
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 05:36
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 31 Sample Multiplier: 1

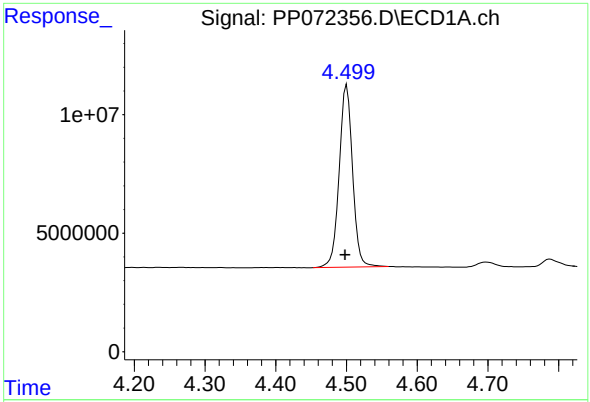
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:08:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



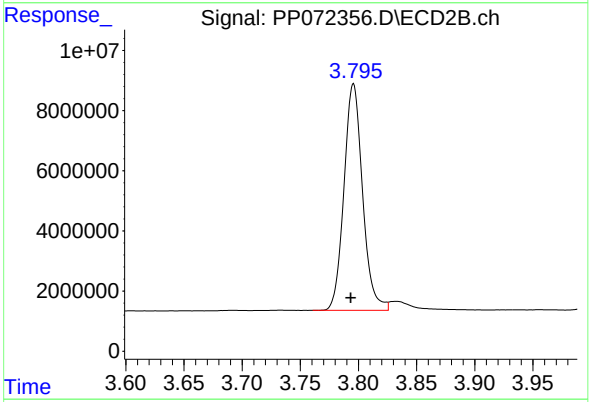




#1 Tetrachloro-m-xylene

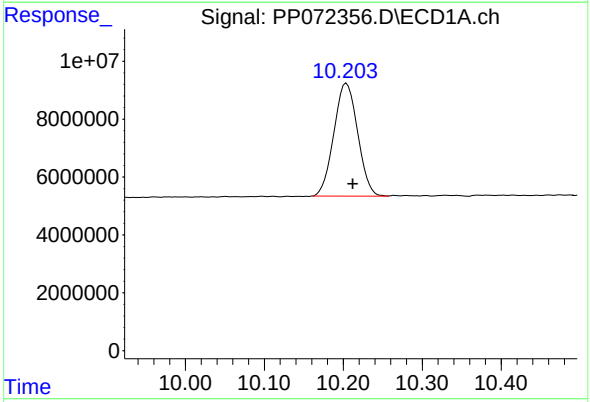
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 101086251
Conc: 50.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



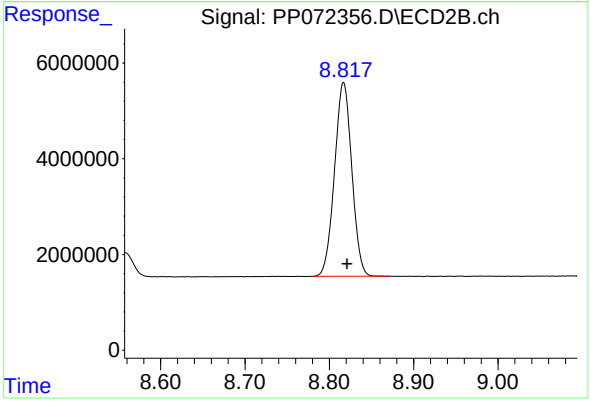
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 83822214
Conc: 52.44 ng/ml



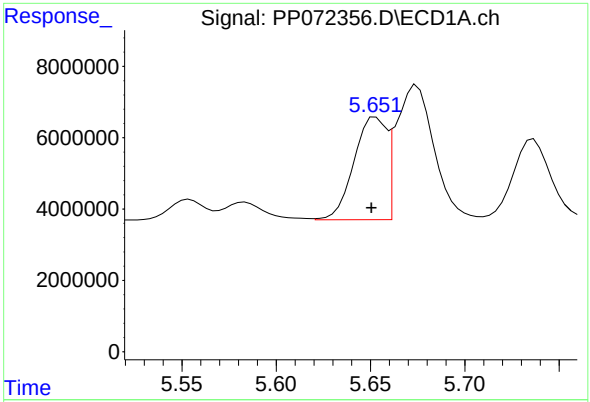
#2 Decachlorobiphenyl

R.T.: 10.204 min
Delta R.T.: -0.008 min
Response: 81854124
Conc: 50.24 ng/ml



#2 Decachlorobiphenyl

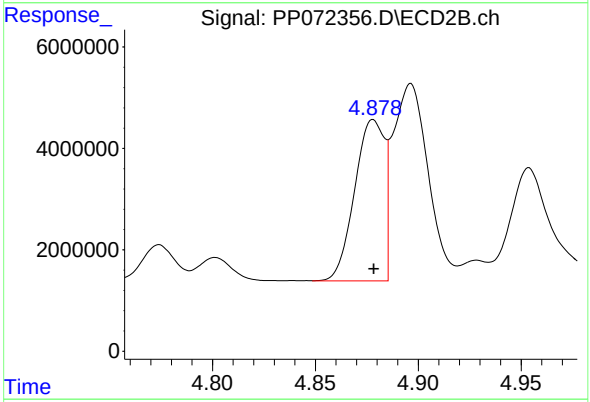
R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 57564761
Conc: 54.38 ng/ml



#3 AR-1016-1

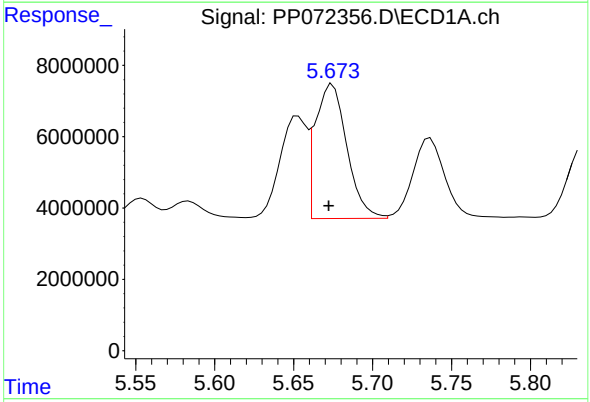
R.T.: 5.653 min
Delta R.T.: 0.003 min
Response: 34262730
Conc: 456.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



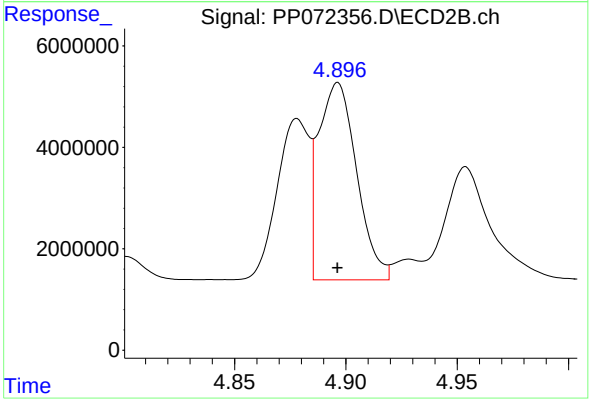
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 32037001
Conc: 521.52 ng/ml



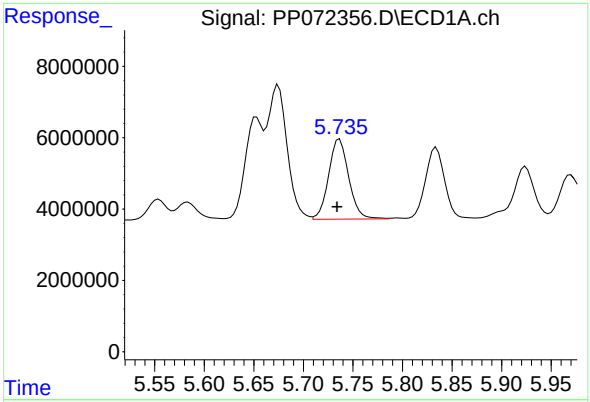
#4 AR-1016-2

R.T.: 5.675 min
Delta R.T.: 0.002 min
Response: 52564704
Conc: 491.30 ng/ml



#4 AR-1016-2

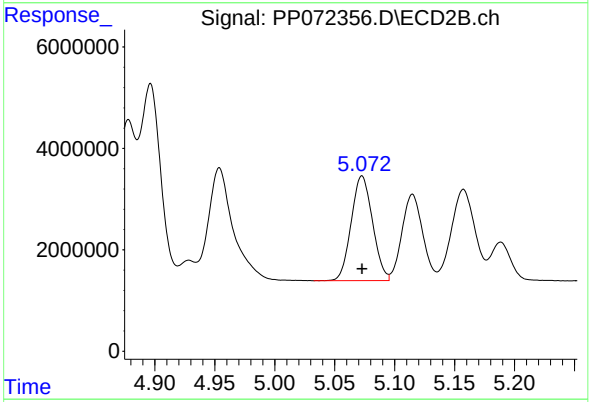
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 46218625
Conc: 526.47 ng/ml



#5 AR-1016-3

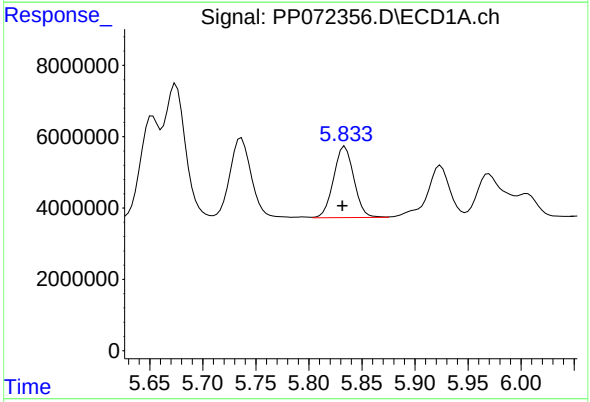
R.T.: 5.737 min
Delta R.T.: 0.003 min
Response: 31700937
Conc: 483.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



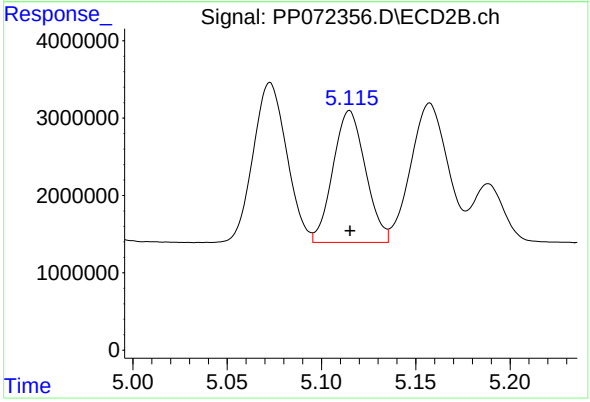
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 25607012
Conc: 537.35 ng/ml



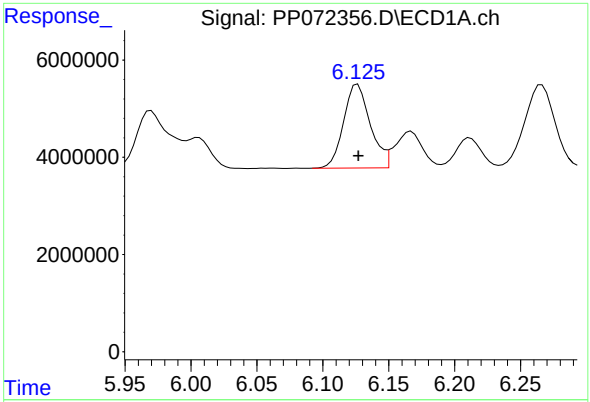
#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 26531899
Conc: 498.06 ng/ml



#6 AR-1016-4

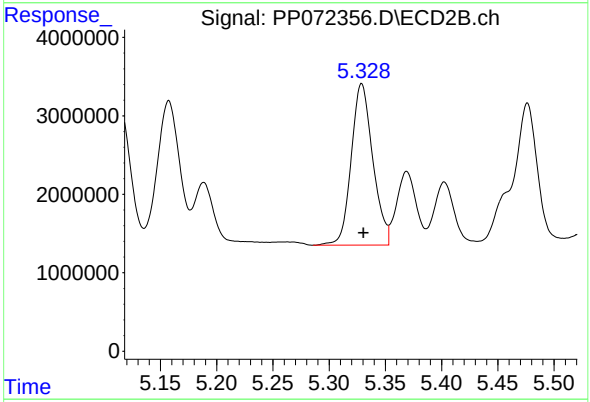
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 20458398
Conc: 537.74 ng/ml



#7 AR-1016-5

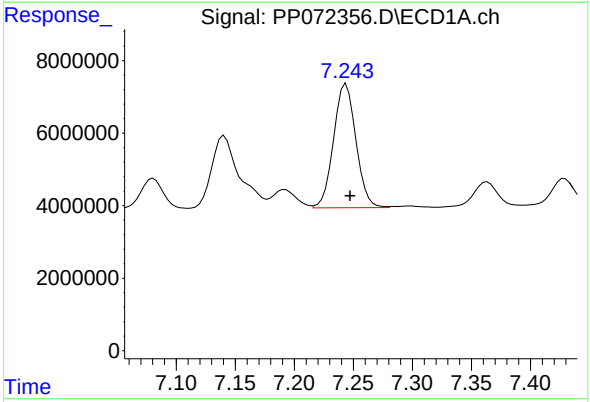
R.T.: 6.126 min
Delta R.T.: 0.000 min
Response: 24298656
Conc: 496.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



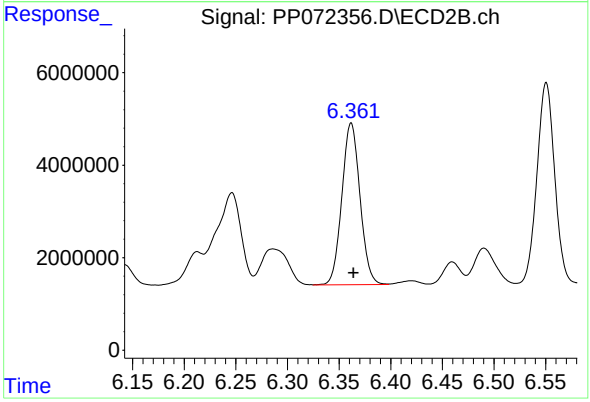
#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: -0.001 min
Response: 27421871
Conc: 550.37 ng/ml



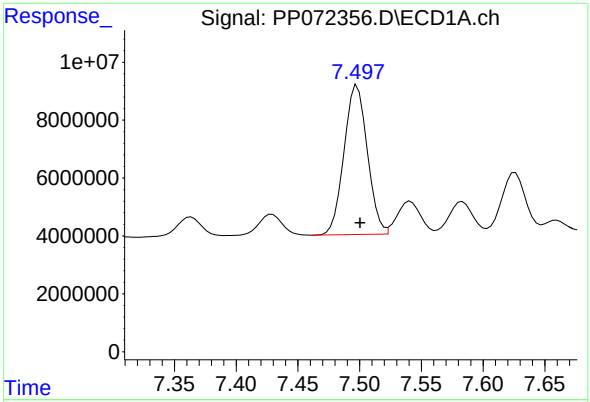
#31 AR-1260-1

R.T.: 7.244 min
Delta R.T.: -0.003 min
Response: 45100684
Conc: 481.87 ng/ml



#31 AR-1260-1

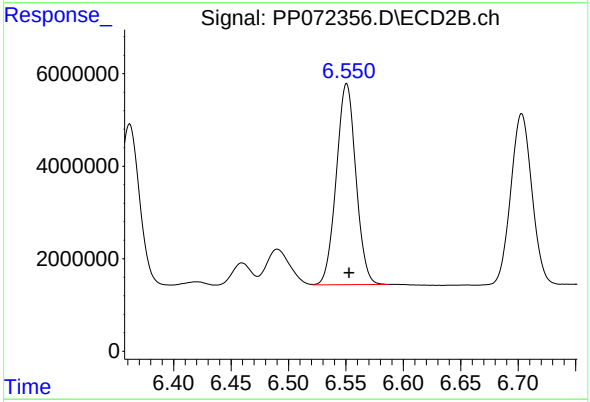
R.T.: 6.362 min
Delta R.T.: -0.002 min
Response: 42741604
Conc: 535.92 ng/ml



#32 AR-1260-2

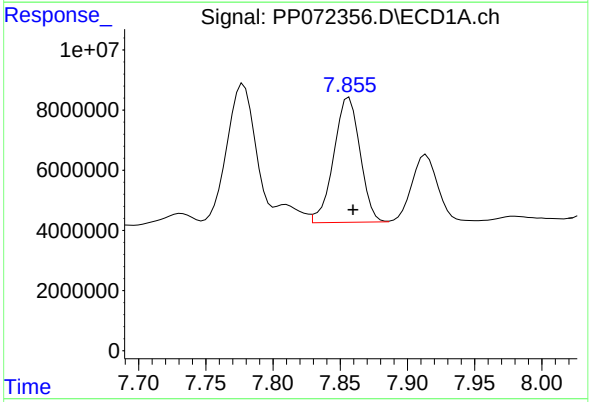
R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 67906256
Conc: 473.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



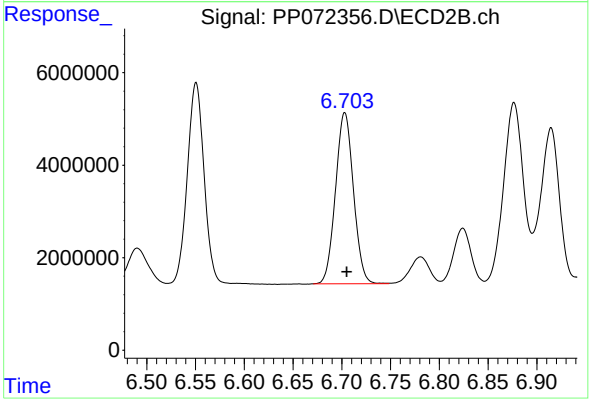
#32 AR-1260-2

R.T.: 6.551 min
Delta R.T.: -0.002 min
Response: 51748047
Conc: 510.22 ng/ml



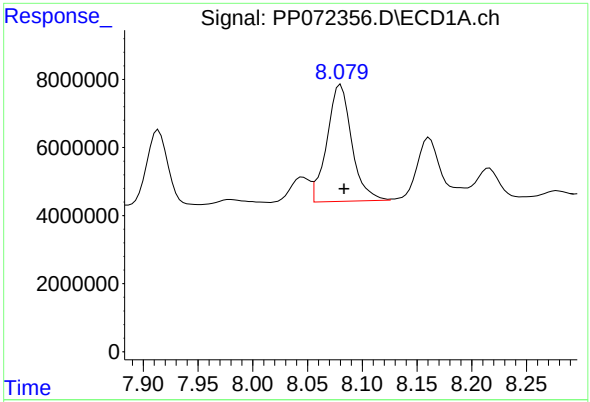
#33 AR-1260-3

R.T.: 7.856 min
Delta R.T.: -0.003 min
Response: 56483442
Conc: 496.03 ng/ml



#33 AR-1260-3

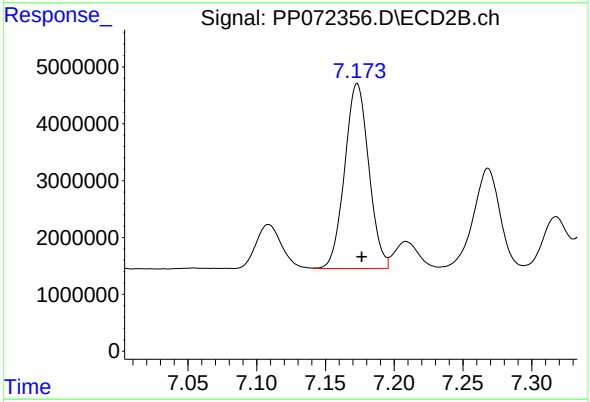
R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 47369041
Conc: 545.08 ng/ml



#34 AR-1260-4

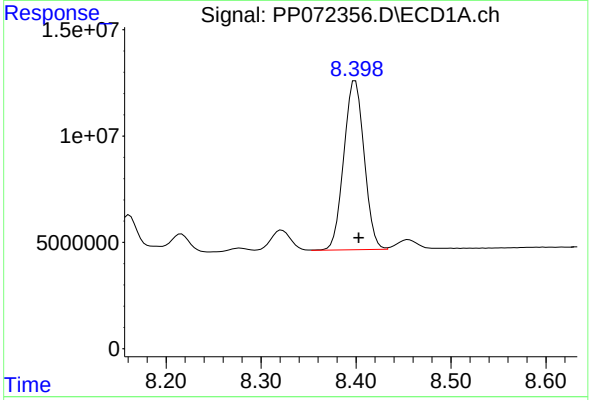
R.T.: 8.080 min
Delta R.T.: -0.003 min
Response: 53977225
Conc: 503.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



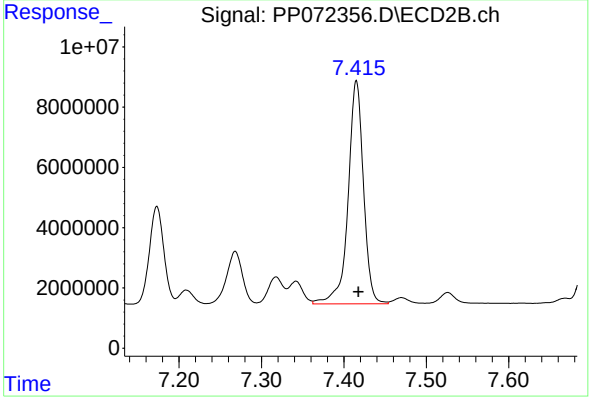
#34 AR-1260-4

R.T.: 7.173 min
Delta R.T.: -0.003 min
Response: 39712698
Conc: 550.87 ng/ml



#35 AR-1260-5

R.T.: 8.399 min
Delta R.T.: -0.004 min
Response: 118385055
Conc: 500.23 ng/ml



#35 AR-1260-5

R.T.: 7.415 min
Delta R.T.: -0.003 min
Response: 96090224
Conc: 553.44 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 06:09 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	4.71	4.70	4.60	4.80	0.00
Aroclor-1221-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1221-3	(3)	4.87	4.86	4.76	4.96	-0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/24/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 06:09 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	4.01	4.01	3.91	4.11	0.00
Aroclor-1221-2	(2)	4.09	4.09	3.99	4.19	0.00
Aroclor-1221-3	(3)	4.17	4.17	4.07	4.27	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072357.D **Time Analyzed:** 06:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.705	4.603	4.803	496.260	500.000	-0.7
Aroclor-1221-2	4.790	4.688	4.888	472.720	500.000	-5.5
Aroclor-1221-3	4.866	4.764	4.964	493.930	500.000	-1.2
Decachlorobiphenyl	10.207	10.114	10.314	49.940	50.000	-0.1
Tetrachloro-m-xylene	4.503	4.401	4.601	50.870	50.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/24/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072357.D **Time Analyzed:** 06:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.006	3.905	4.105	480.240	500.000	-4.0
Aroclor-1221-2	4.093	3.991	4.191	475.070	500.000	-5.0
Aroclor-1221-3	4.168	4.067	4.267	478.510	500.000	-4.3
Decachlorobiphenyl	8.817	8.724	8.924	53.360	50.000	6.7
Tetrachloro-m-xylene	3.796	3.694	3.894	52.520	50.000	5.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:09
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.796	102.3E6	83938943	50.873	52.516
2)	SA Decachlor...	10.207	8.817	81353314	56482290	49.937	53.356
	Target Compounds						
8)	L2 AR-1221-1	4.705	4.006	12973376	12875422	496.263	480.242
9)	L2 AR-1221-2	4.790	4.093	9643197	9755493	472.722	475.068
10)	L2 AR-1221-3	4.866	4.168	29882694	28178232	493.933	478.508

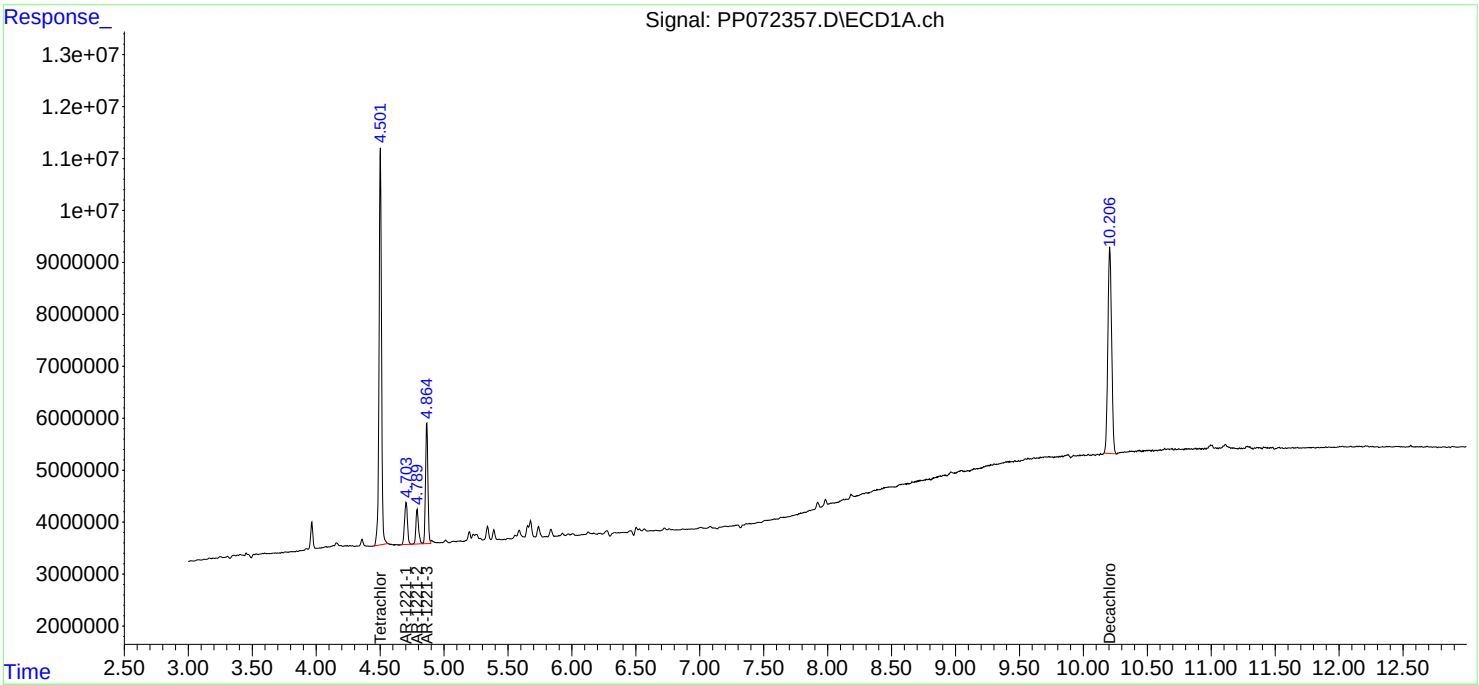
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

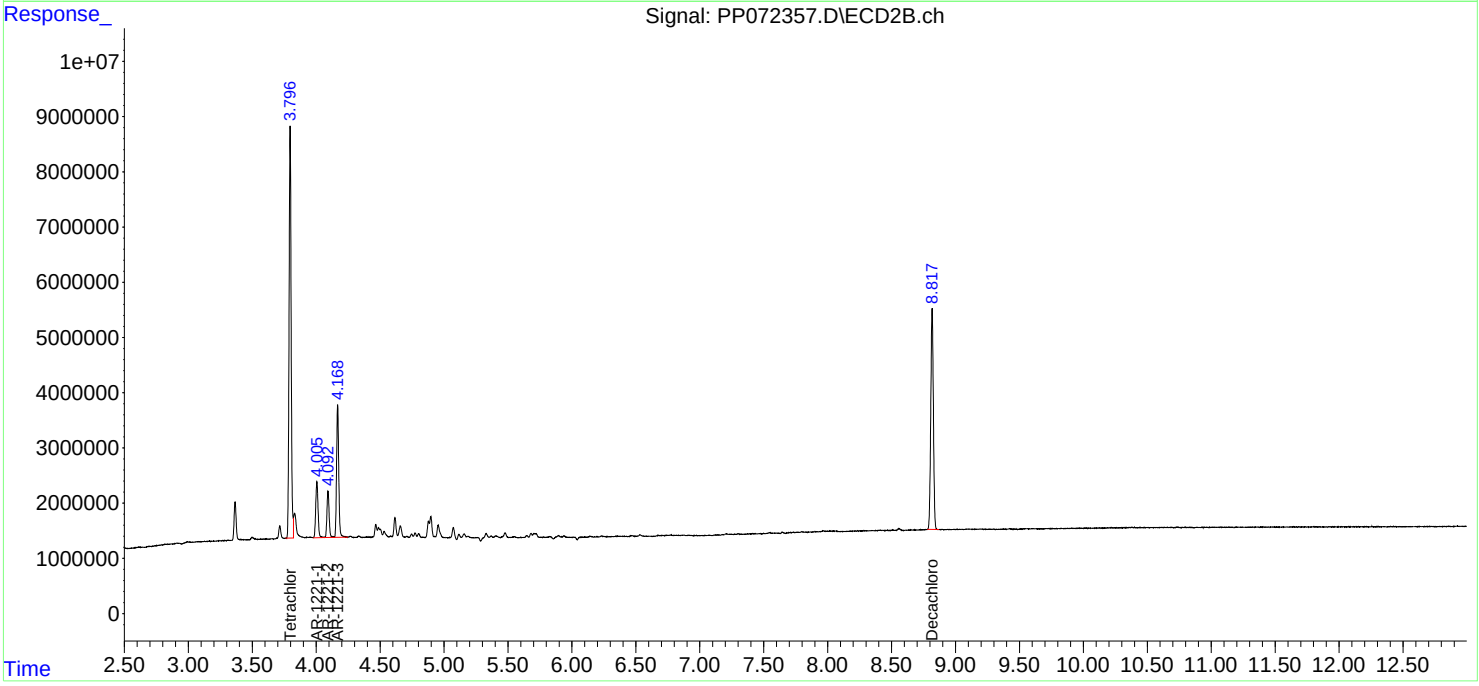
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:09
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

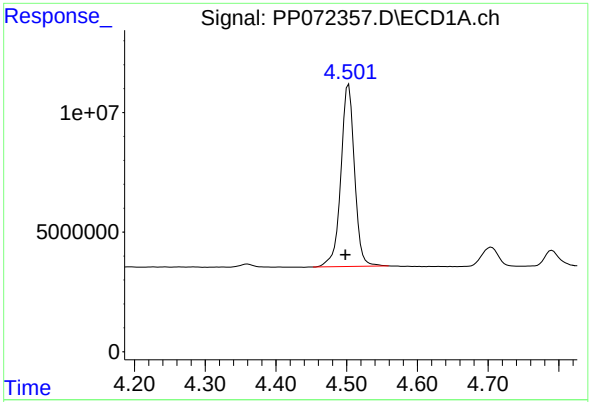
Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



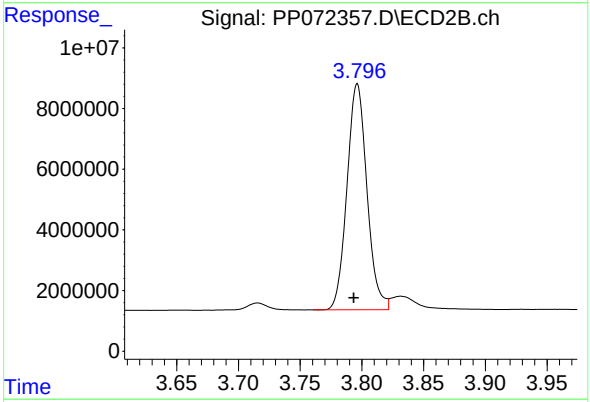




#1 Tetrachloro-m-xylene

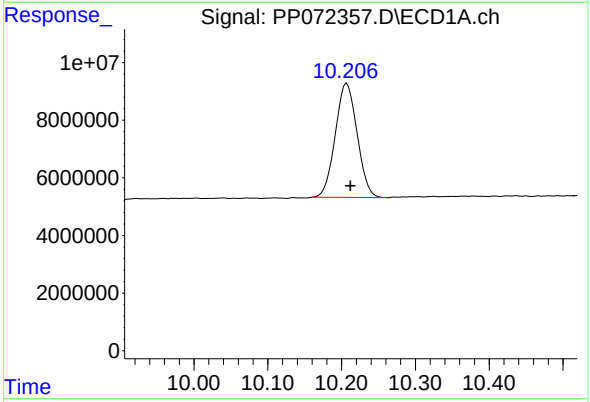
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 102295261
Conc: 50.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500



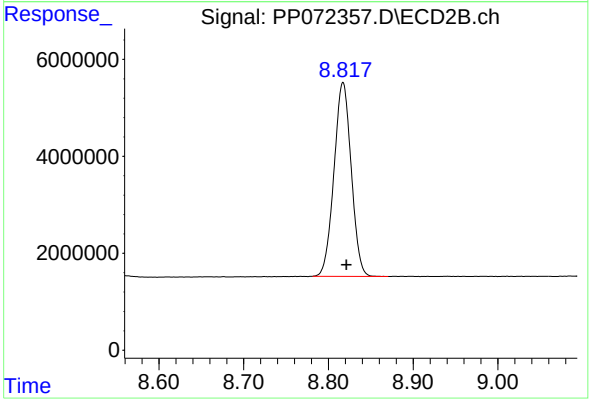
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 83938943
Conc: 52.52 ng/ml



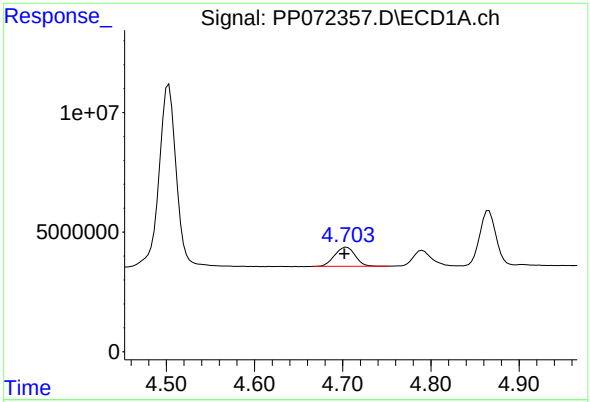
#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 81353314
Conc: 49.94 ng/ml



#2 Decachlorobiphenyl

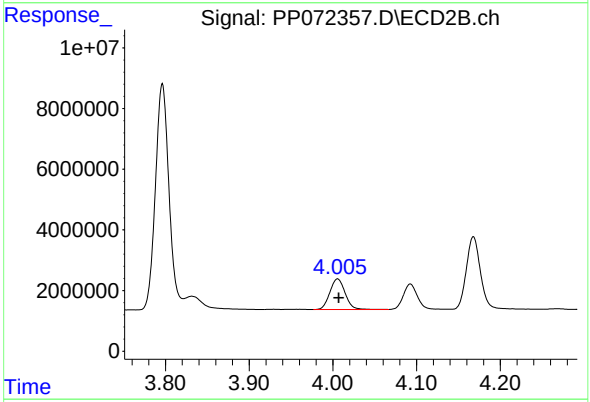
R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 56482290
Conc: 53.36 ng/ml



#8 AR-1221-1

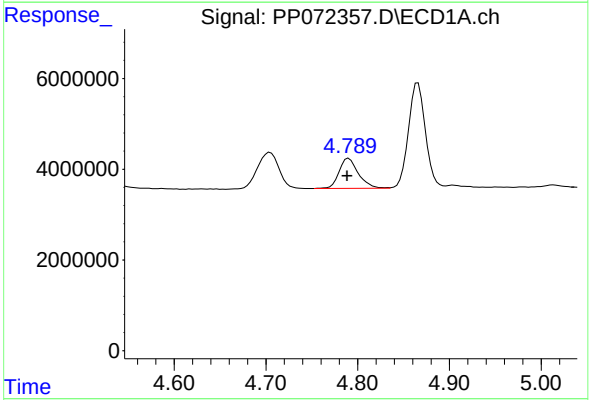
R.T.: 4.705 min
Delta R.T.: 0.003 min
Response: 12973376
Conc: 496.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500



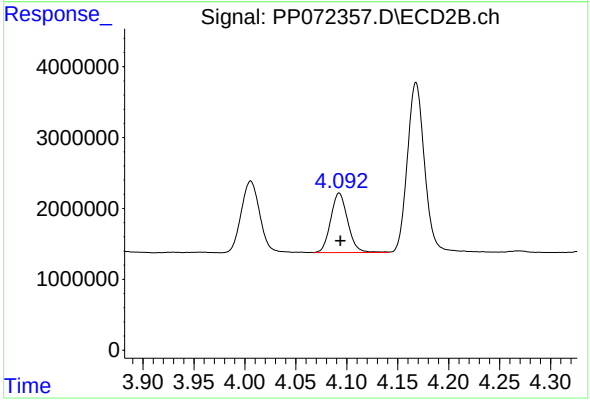
#8 AR-1221-1

R.T.: 4.006 min
Delta R.T.: -0.002 min
Response: 12875422
Conc: 480.24 ng/ml



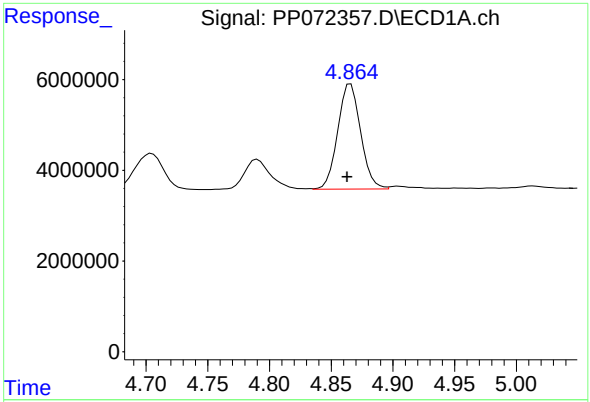
#9 AR-1221-2

R.T.: 4.790 min
Delta R.T.: 0.002 min
Response: 9643197
Conc: 472.72 ng/ml



#9 AR-1221-2

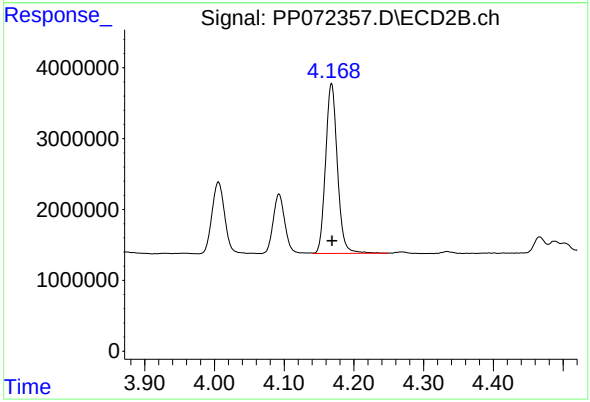
R.T.: 4.093 min
Delta R.T.: -0.001 min
Response: 9755493
Conc: 475.07 ng/ml



#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: 0.003 min
Response: 29882694
Conc: 493.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 28178232
Conc: 478.51 ng/ml

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:25 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:25 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072404.D **Time Analyzed:** 14:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.650	5.552	5.752	436.870	500.000	-12.6
Aroclor-1016-2	5.671	5.574	5.774	466.270	500.000	-6.7
Aroclor-1016-3	5.734	5.636	5.836	463.610	500.000	-7.3
Aroclor-1016-4	5.831	5.734	5.934	481.590	500.000	-3.7
Aroclor-1016-5	6.123	6.027	6.227	483.950	500.000	-3.2
Aroclor-1260-1	7.242	7.147	7.347	495.010	500.000	-1.0
Aroclor-1260-2	7.494	7.401	7.601	478.610	500.000	-4.3
Aroclor-1260-3	7.853	7.760	7.960	495.470	500.000	-0.9
Aroclor-1260-4	8.076	7.985	8.185	498.290	500.000	-0.3
Aroclor-1260-5	8.395	8.303	8.503	515.500	500.000	3.1
Decachlorobiphenyl	10.199	10.113	10.313	49.960	50.000	-0.1
Tetrachloro-m-xylene	4.498	4.396	4.596	48.860	50.000	-2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072404.D **Time Analyzed:** 14:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.876	4.777	4.977	511.910	500.000	2.4
Aroclor-1016-2	4.894	4.795	4.995	517.490	500.000	3.5
Aroclor-1016-3	5.072	4.973	5.173	523.990	500.000	4.8
Aroclor-1016-4	5.113	5.015	5.215	521.460	500.000	4.3
Aroclor-1016-5	5.327	5.229	5.429	559.530	500.000	11.9
Aroclor-1260-1	6.359	6.264	6.464	537.480	500.000	7.5
Aroclor-1260-2	6.548	6.453	6.653	507.400	500.000	1.5
Aroclor-1260-3	6.700	6.606	6.806	539.000	500.000	7.8
Aroclor-1260-4	7.170	7.077	7.277	542.090	500.000	8.4
Aroclor-1260-5	7.412	7.319	7.519	539.540	500.000	7.9
Decachlorobiphenyl	8.812	8.723	8.923	56.600	50.000	13.2
Tetrachloro-m-xylene	3.795	3.691	3.891	50.310	50.000	0.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:25
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:07:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.498	3.795	98244312	80407580	48.858	50.306
2)	SA Decachlor...	10.199	8.812	81397238	59920560	49.964	56.604
	Target Compounds						
3)	L1 AR-1016-1	5.650	4.876	32801446	31446364	436.865	511.910
4)	L1 AR-1016-2	5.671	4.894	49886595	45429694	466.266	517.485
5)	L1 AR-1016-3	5.734	5.072	30396420	24970349	463.608	523.987
6)	L1 AR-1016-4	5.831	5.113	25654204	19839158	481.588	521.461
7)	L1 AR-1016-5	6.123	5.327	23669824	27878225	483.955	559.529
31)	L7 AR-1260-1	7.242	6.359	46329910	42865704	495.005	537.476
32)	L7 AR-1260-2	7.494	6.548	68675369	51461903	478.608	507.403
33)	L7 AR-1260-3	7.853	6.700	56419943	46840733	495.473	539.004
34)	L7 AR-1260-4	8.076	7.170	53467742	39080030	498.289	542.093
35)	L7 AR-1260-5	8.395	7.412	122.0E6	93677171	515.504	539.540

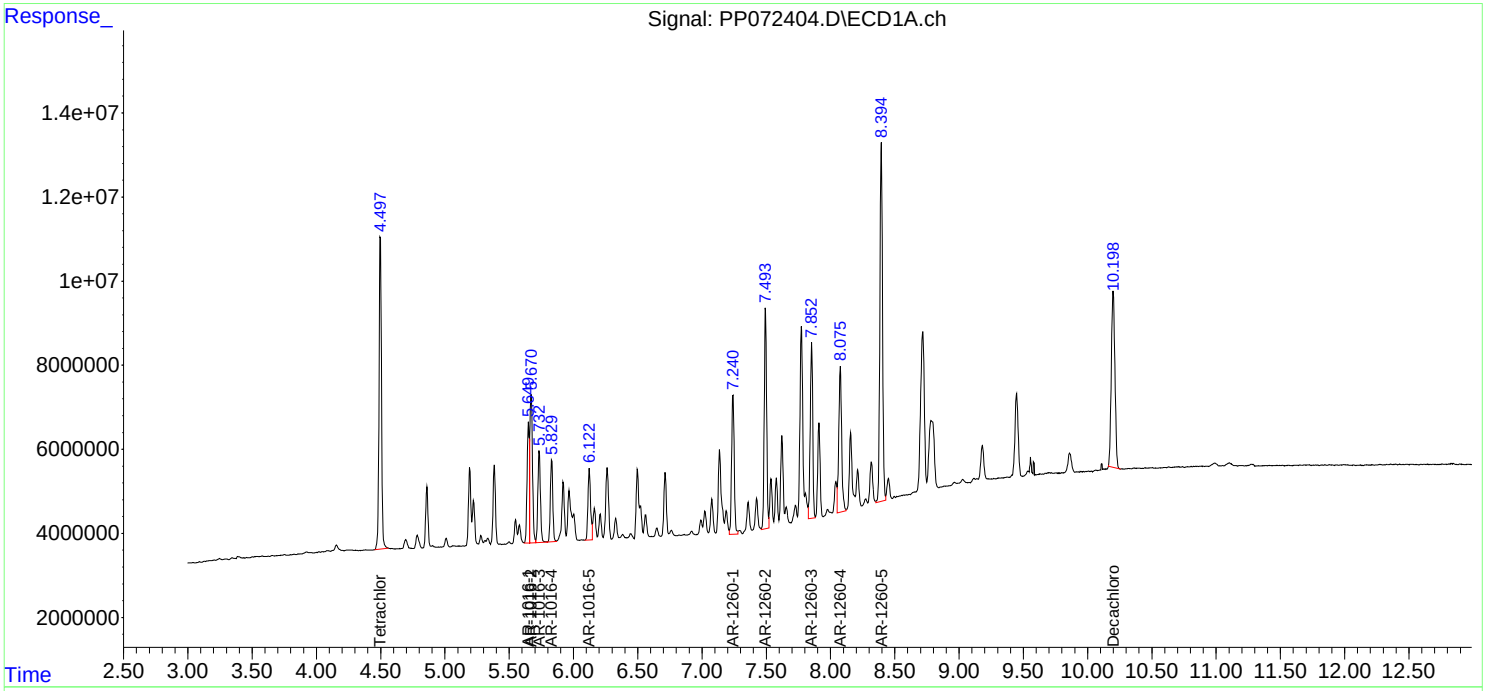
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

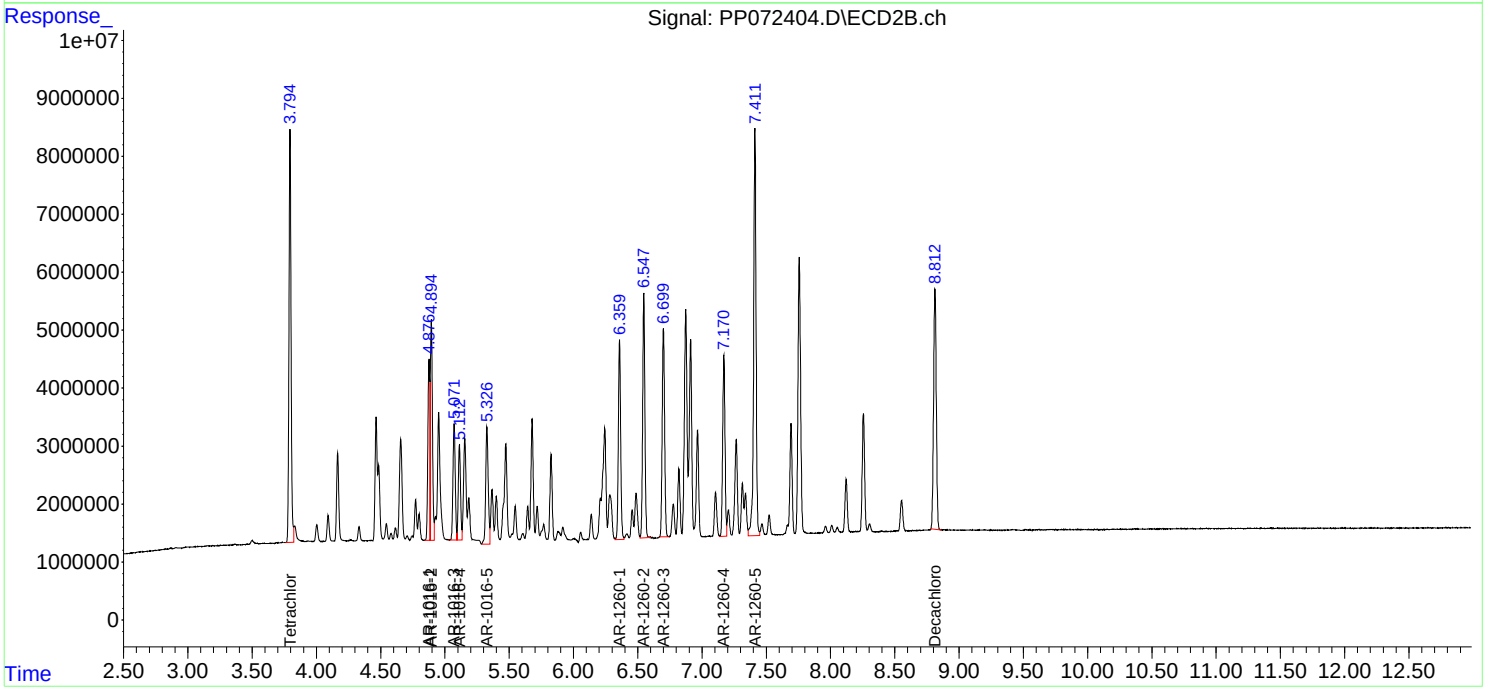
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:25
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

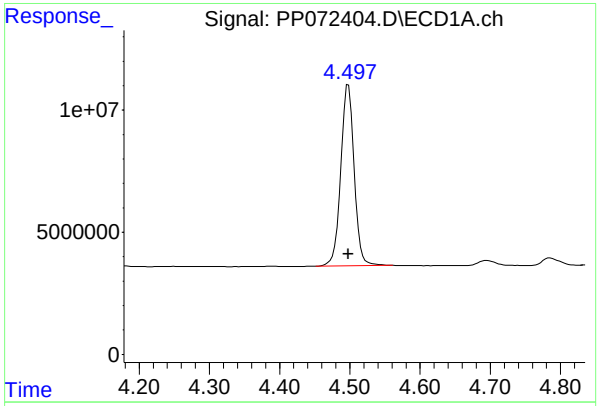
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:07:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



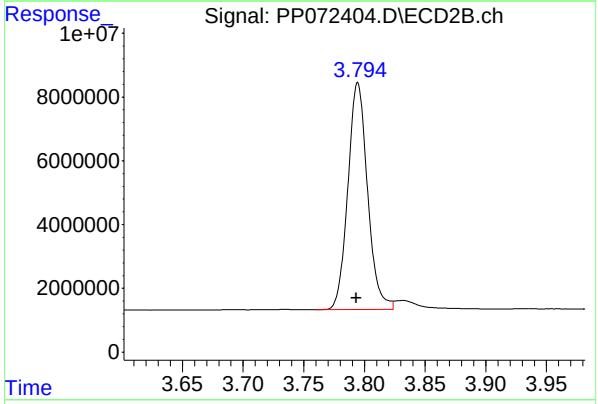




#1 Tetrachloro-m-xylene

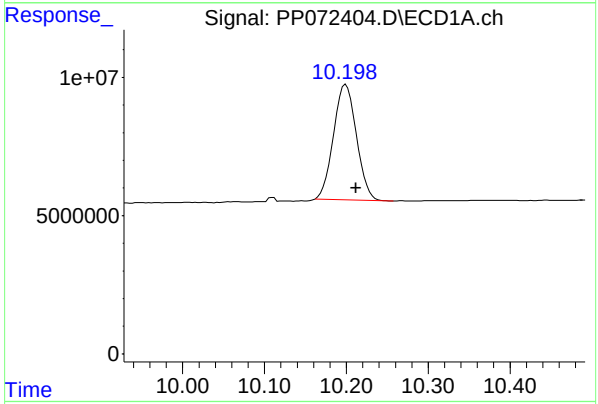
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 98244312
Conc: 48.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



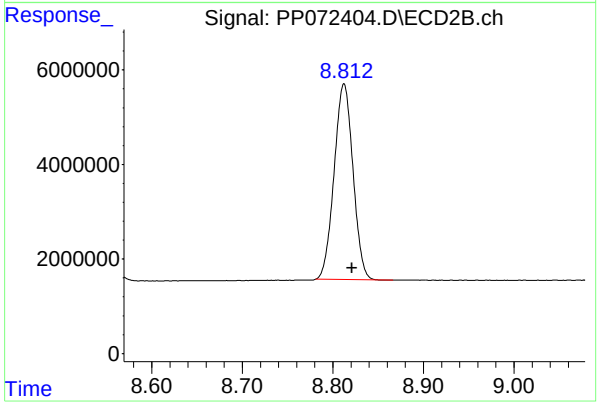
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.001 min
Response: 80407580
Conc: 50.31 ng/ml



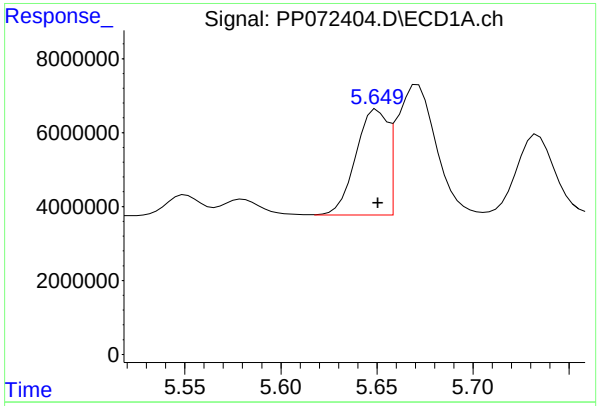
#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 81397238
Conc: 49.96 ng/ml



#2 Decachlorobiphenyl

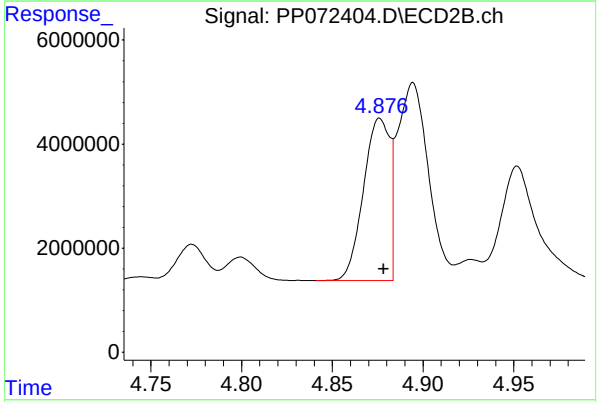
R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 59920560
Conc: 56.60 ng/ml



#3 AR-1016-1

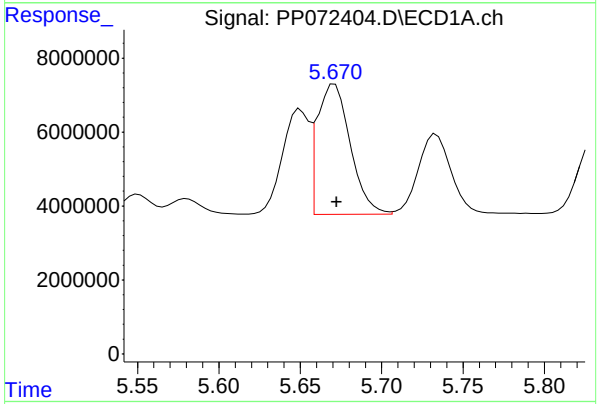
R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 32801446
Conc: 436.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



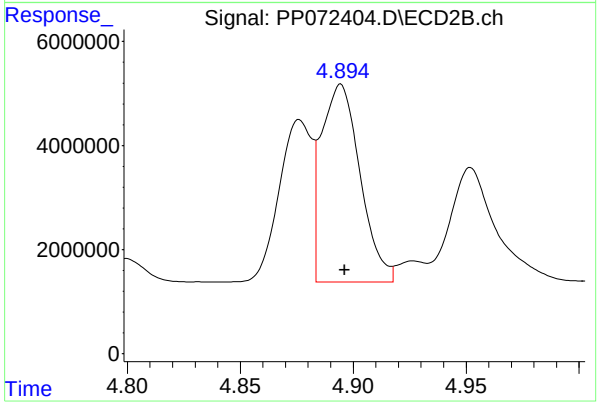
#3 AR-1016-1

R.T.: 4.876 min
Delta R.T.: -0.002 min
Response: 31446364
Conc: 511.91 ng/ml



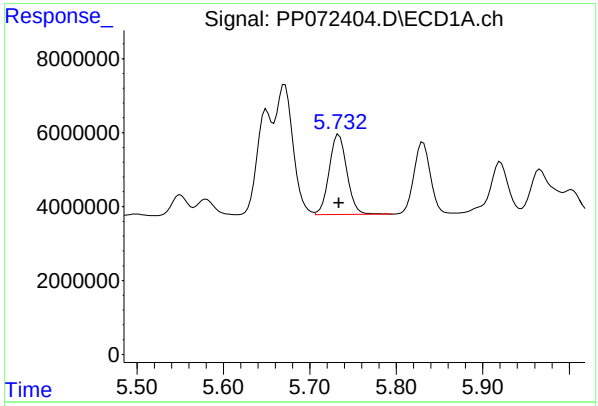
#4 AR-1016-2

R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 49886595
Conc: 466.27 ng/ml



#4 AR-1016-2

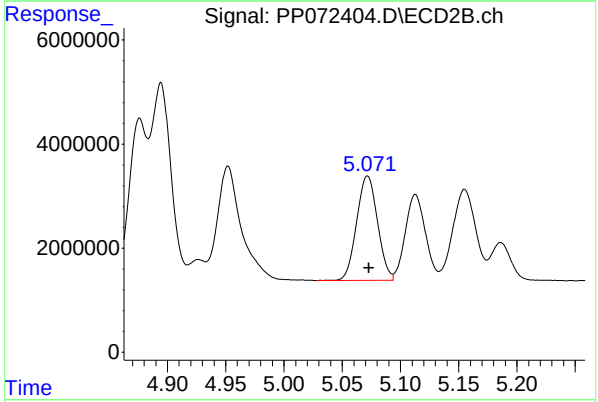
R.T.: 4.894 min
Delta R.T.: -0.002 min
Response: 45429694
Conc: 517.49 ng/ml



#5 AR-1016-3

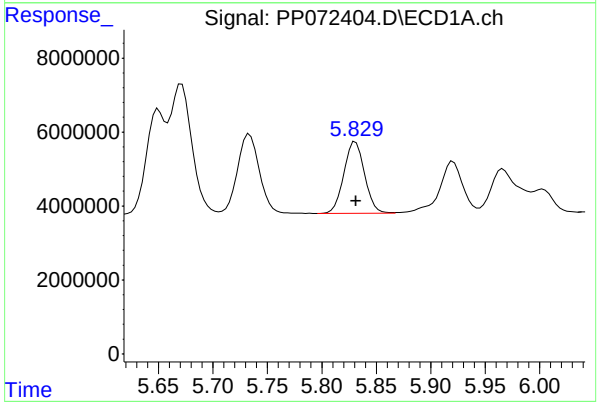
R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 30396420
Conc: 463.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



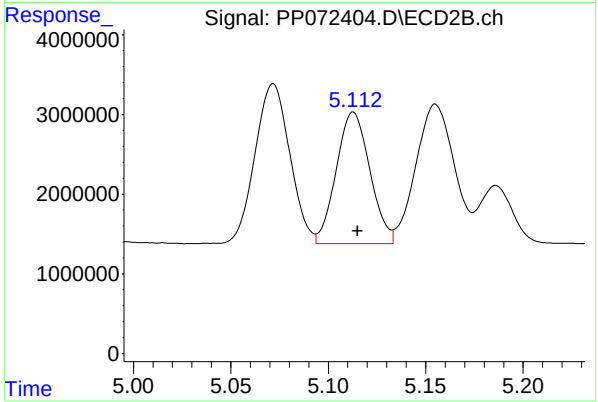
#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: -0.001 min
Response: 24970349
Conc: 523.99 ng/ml



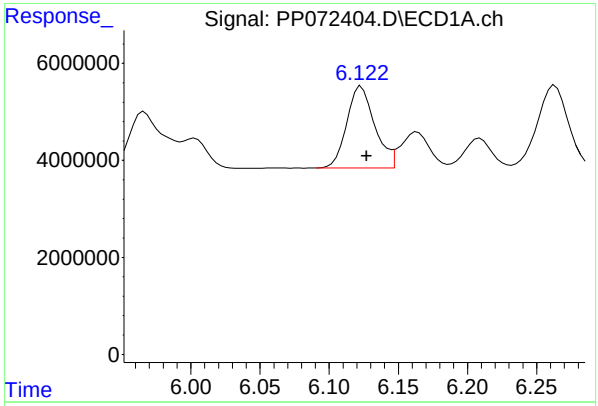
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 25654204
Conc: 481.59 ng/ml



#6 AR-1016-4

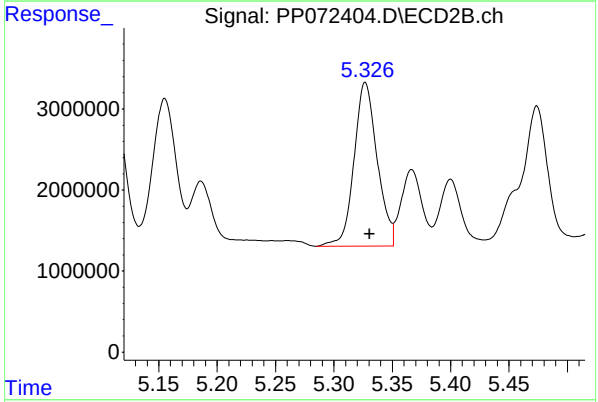
R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 19839158
Conc: 521.46 ng/ml



#7 AR-1016-5

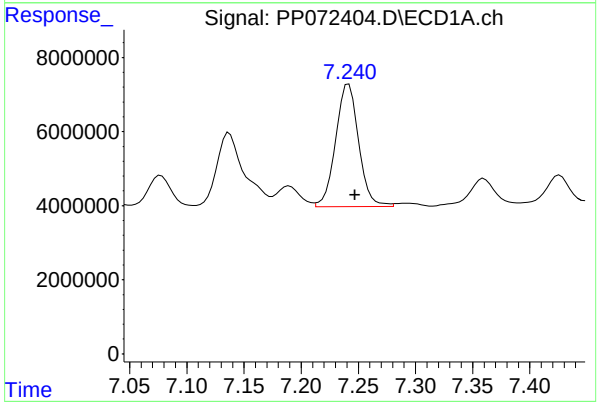
R.T.: 6.123 min
Delta R.T.: -0.004 min
Response: 23669824
Conc: 483.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



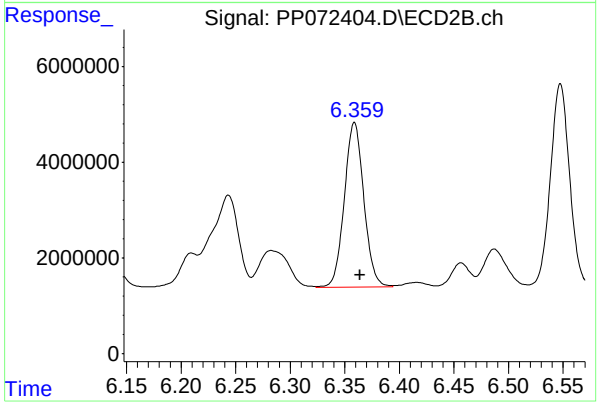
#7 AR-1016-5

R.T.: 5.327 min
Delta R.T.: -0.004 min
Response: 27878225
Conc: 559.53 ng/ml



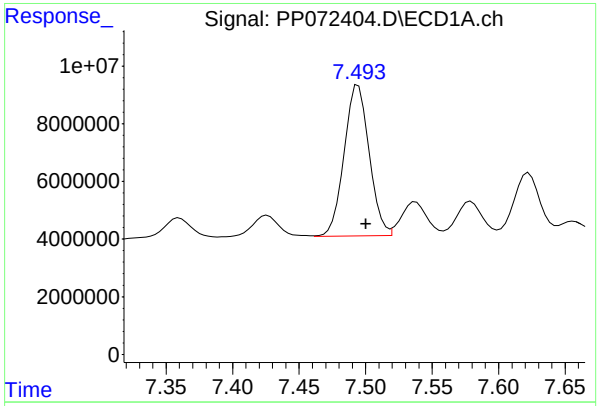
#31 AR-1260-1

R.T.: 7.242 min
Delta R.T.: -0.006 min
Response: 46329910
Conc: 495.01 ng/ml



#31 AR-1260-1

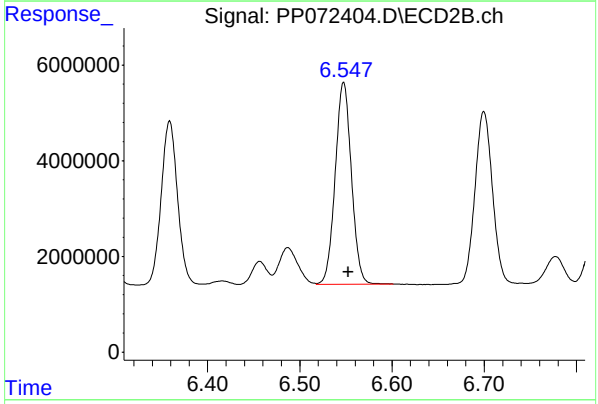
R.T.: 6.359 min
Delta R.T.: -0.005 min
Response: 42865704
Conc: 537.48 ng/ml



#32 AR-1260-2

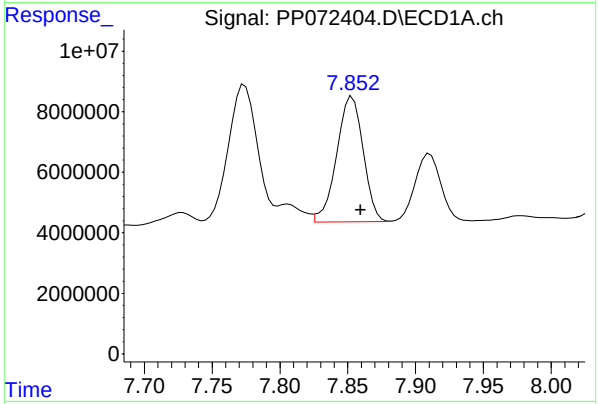
R.T.: 7.494 min
Delta R.T.: -0.006 mi
Response: 68675369
Conc: 478.61 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



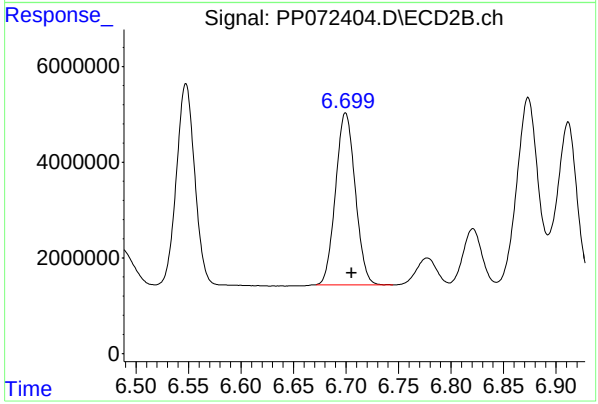
#32 AR-1260-2

R.T.: 6.548 min
Delta R.T.: -0.005 min
Response: 51461903
Conc: 507.40 ng/ml



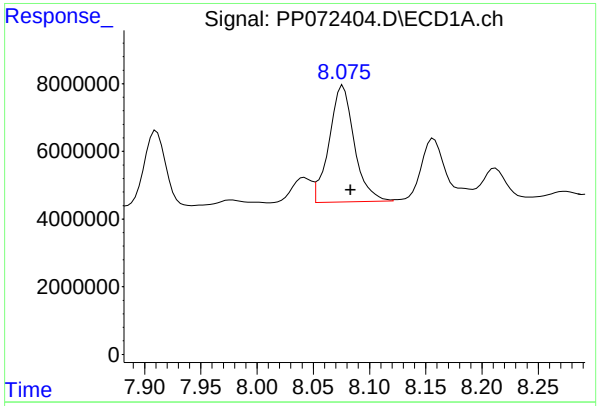
#33 AR-1260-3

R.T.: 7.853 min
Delta R.T.: -0.006 min
Response: 56419943
Conc: 495.47 ng/ml



#33 AR-1260-3

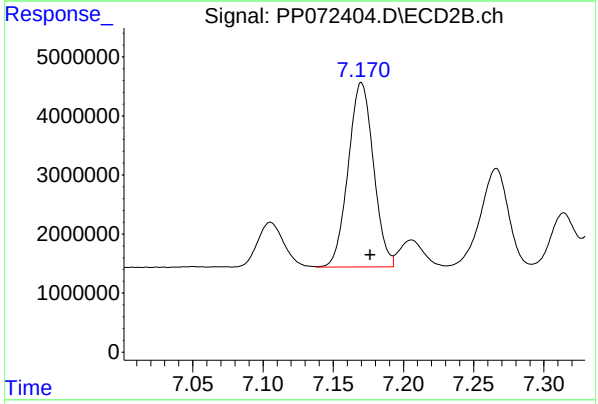
R.T.: 6.700 min
Delta R.T.: -0.006 min
Response: 46840733
Conc: 539.00 ng/ml



#34 AR-1260-4

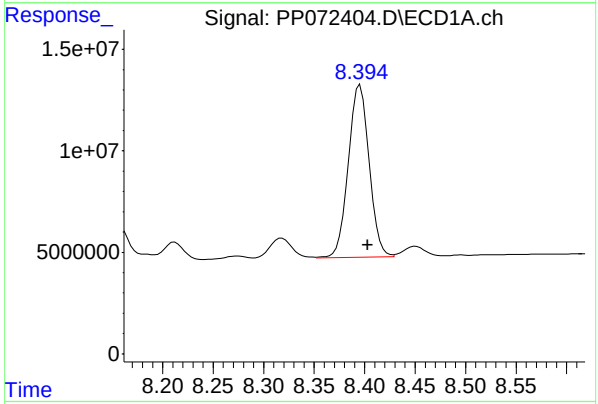
R.T.: 8.076 min
Delta R.T.: -0.007 min
Response: 53467742
Conc: 498.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



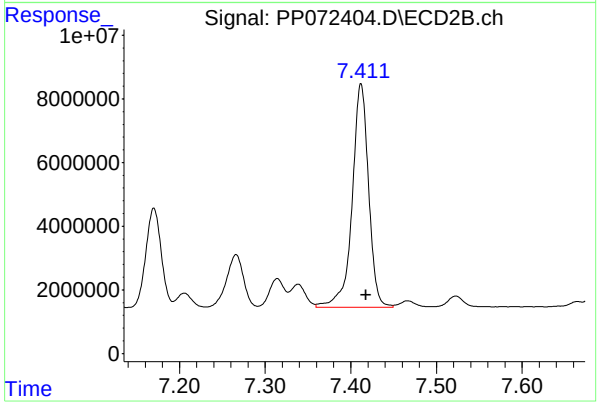
#34 AR-1260-4

R.T.: 7.170 min
Delta R.T.: -0.006 min
Response: 39080030
Conc: 542.09 ng/ml



#35 AR-1260-5

R.T.: 8.395 min
Delta R.T.: -0.007 min
Response: 122000315
Conc: 515.50 ng/ml



#35 AR-1260-5

R.T.: 7.412 min
Delta R.T.: -0.006 min
Response: 93677171
Conc: 539.54 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:41 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	4.70	4.70	4.60	4.80	0.00
Aroclor-1221-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1221-3	(3)	4.86	4.86	4.76	4.96	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:41 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	4.00	4.01	3.91	4.11	0.01
Aroclor-1221-2	(2)	4.09	4.09	3.99	4.19	0.00
Aroclor-1221-3	(3)	4.17	4.17	4.07	4.27	0.00
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072405.D **Time Analyzed:** 14:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.702	4.603	4.803	467.620	500.000	-6.5
Aroclor-1221-2	4.787	4.688	4.888	451.060	500.000	-9.8
Aroclor-1221-3	4.863	4.764	4.964	462.830	500.000	-7.4
Decachlorobiphenyl	10.198	10.114	10.314	50.000	50.000	0.0
Tetrachloro-m-xylene	4.500	4.401	4.601	48.170	50.000	-3.7

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072405.D **Time Analyzed:** 14:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.003	3.905	4.105	451.030	500.000	-9.8
Aroclor-1221-2	4.090	3.991	4.191	444.280	500.000	-11.1
Aroclor-1221-3	4.166	4.067	4.267	454.410	500.000	-9.1
Decachlorobiphenyl	8.810	8.724	8.924	54.590	50.000	9.2
Tetrachloro-m-xylene	3.794	3.694	3.894	50.390	50.000	0.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.794	96866012	80540198	48.173	50.389
2)	SA Decachlor...	10.198	8.810	81457075	57791546	50.001m	54.592m
	Target Compounds						
8)	L2 AR-1221-1	4.702	4.003	12224527	12092179	467.617	451.028
9)	L2 AR-1221-2	4.787	4.090	9201287	9123219	451.059	444.278
10)	L2 AR-1221-3	4.863	4.166	28000990	26759404	462.831	454.414

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

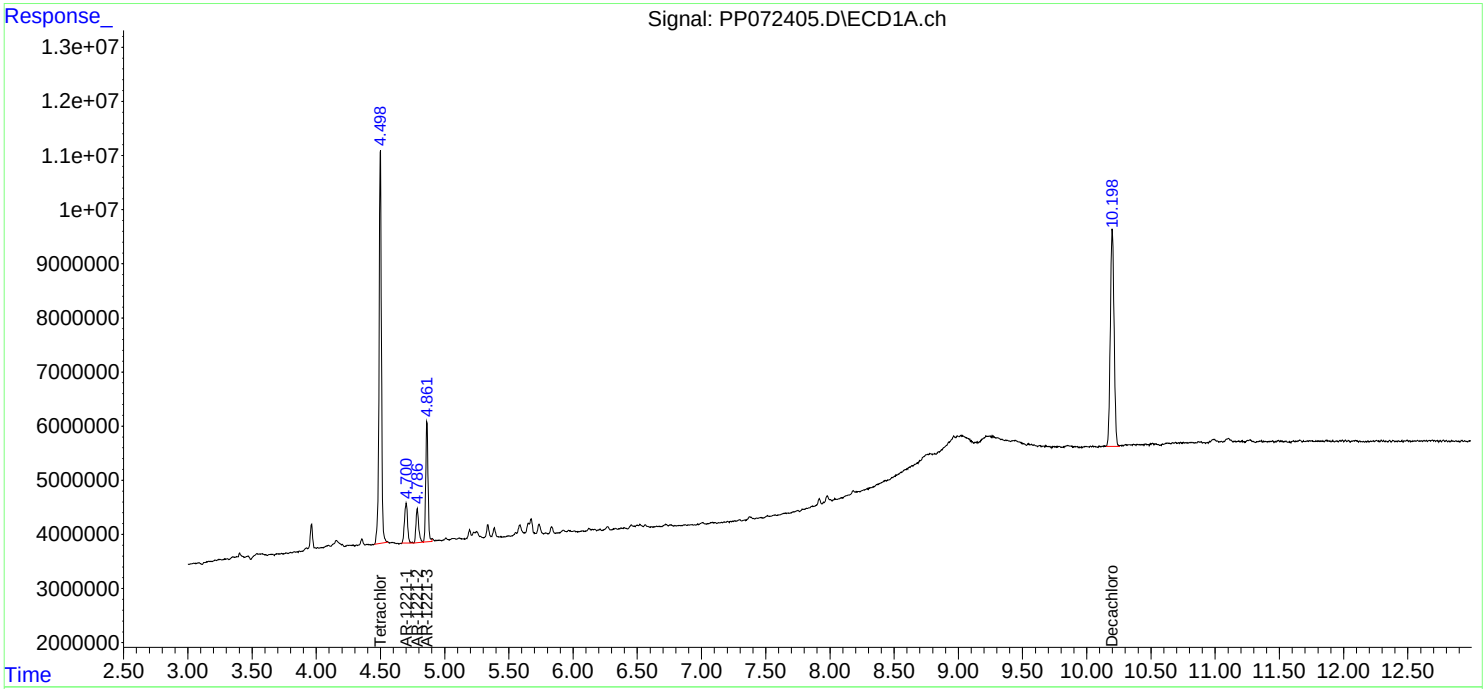
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

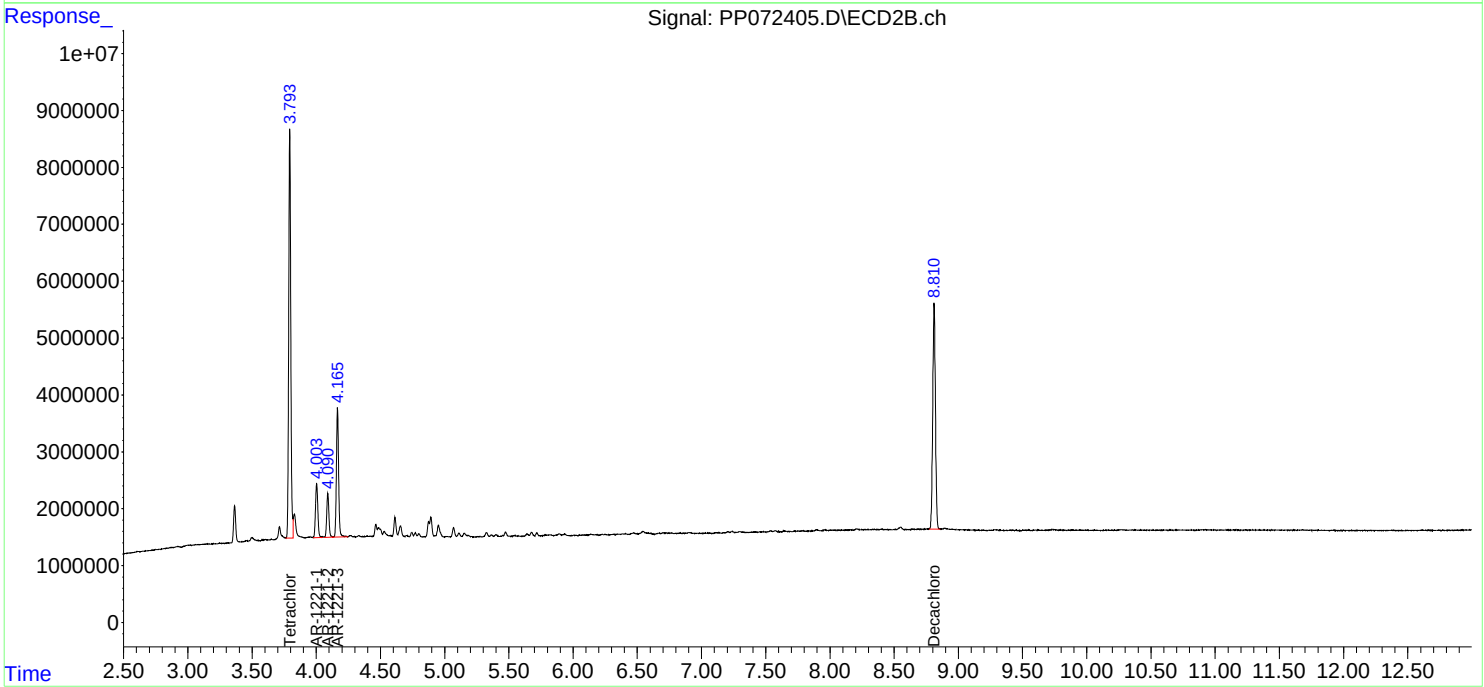
Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

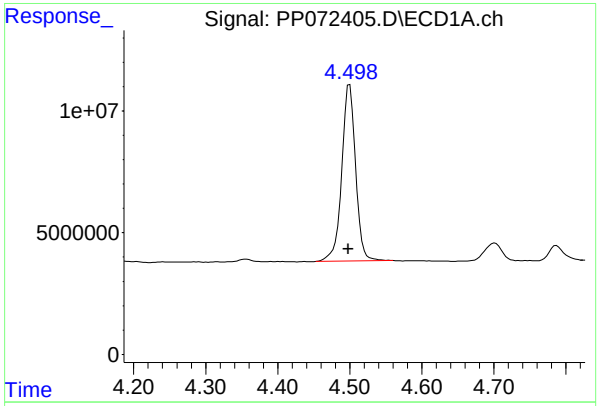
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







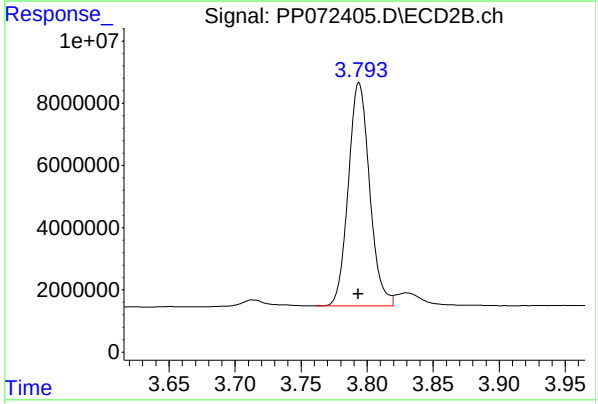
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 mi
Response: 96866012
Conc: 48.17 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

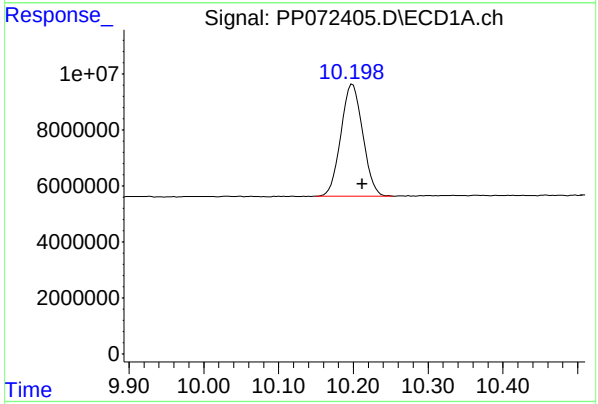
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



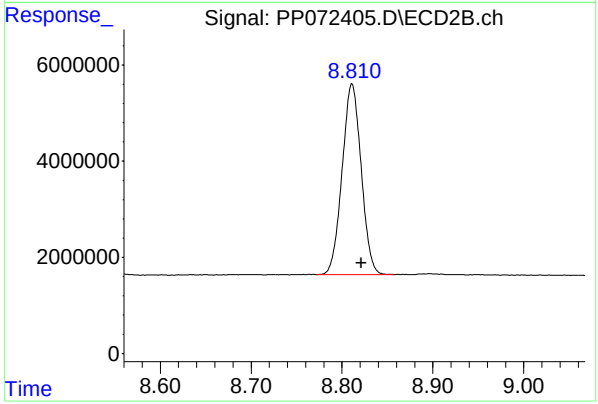
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 80540198
Conc: 50.39 ng/ml



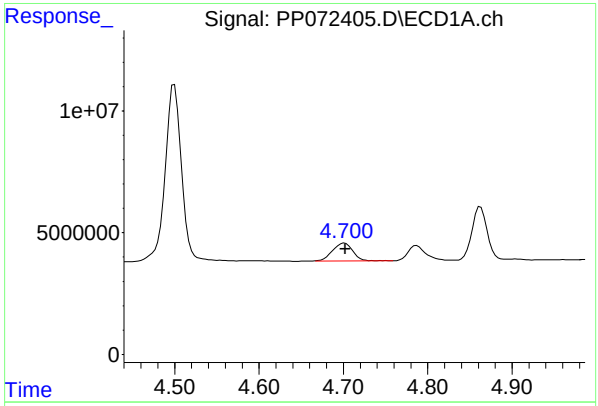
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.015 min
Response: 81457075
Conc: 50.00 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 57791546
Conc: 54.59 ng/ml m



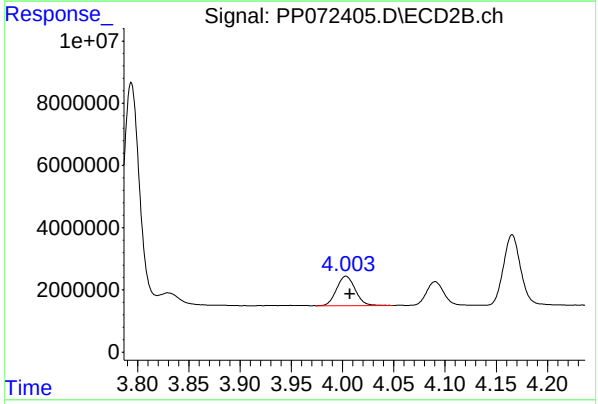
#8 AR-1221-1

R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 12224527
Conc: 467.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

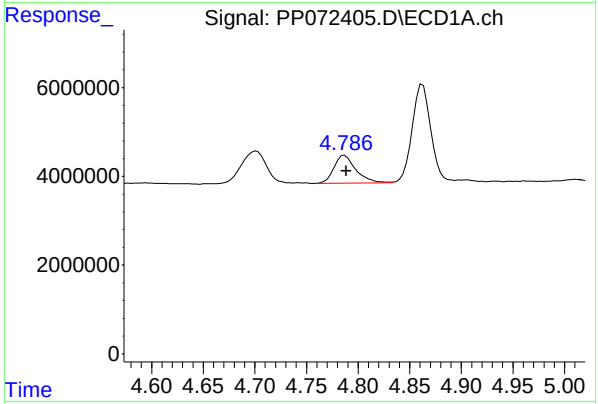
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



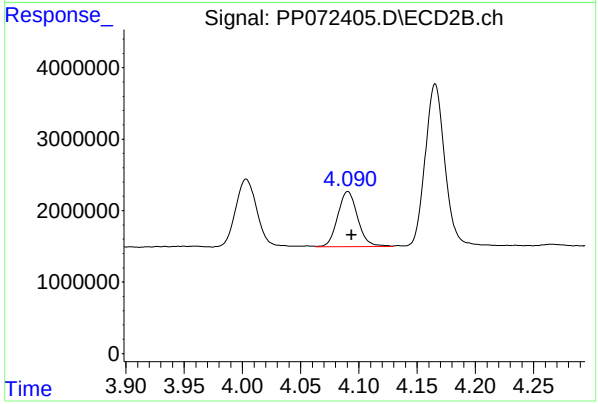
#8 AR-1221-1

R.T.: 4.003 min
Delta R.T.: -0.004 min
Response: 12092179
Conc: 451.03 ng/ml



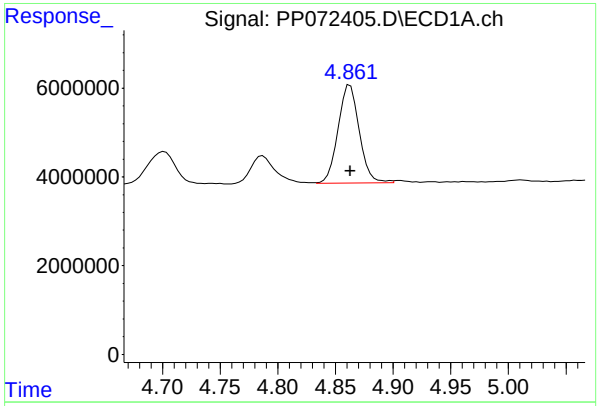
#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 9201287
Conc: 451.06 ng/ml



#9 AR-1221-2

R.T.: 4.090 min
Delta R.T.: -0.003 min
Response: 9123219
Conc: 444.28 ng/ml



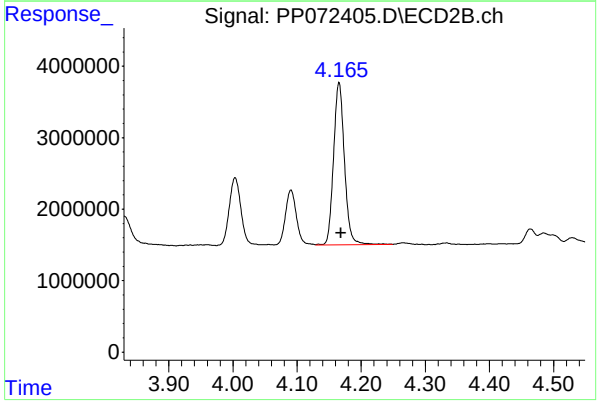
#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 28000990
Conc: 462.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



#10 AR-1221-3

R.T.: 4.166 min
Delta R.T.: -0.003 min
Response: 26759404
Conc: 454.41 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 20:09 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 20:09 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL09 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072419.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.650	5.552	5.752	415.340	500.000	-16.9
Aroclor-1016-2	5.672	5.574	5.774	445.940	500.000	-10.8
Aroclor-1016-3	5.735	5.636	5.836	441.760	500.000	-11.6
Aroclor-1016-4	5.832	5.734	5.934	455.900	500.000	-8.8
Aroclor-1016-5	6.124	6.027	6.227	449.770	500.000	-10.0
Aroclor-1260-1	7.242	7.147	7.347	459.860	500.000	-8.0
Aroclor-1260-2	7.495	7.401	7.601	457.080	500.000	-8.6
Aroclor-1260-3	7.854	7.760	7.960	471.580	500.000	-5.7
Aroclor-1260-4	8.078	7.985	8.185	470.120	500.000	-6.0
Aroclor-1260-5	8.396	8.303	8.503	482.010	500.000	-3.6
Decachlorobiphenyl	10.199	10.113	10.313	48.070	50.000	-3.9
Tetrachloro-m-xylene	4.499	4.396	4.596	46.740	50.000	-6.5

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL09 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072419.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.877	4.777	4.977	498.470	500.000	-0.3
Aroclor-1016-2	4.895	4.795	4.995	500.220	500.000	0.0
Aroclor-1016-3	5.072	4.973	5.173	506.910	500.000	1.4
Aroclor-1016-4	5.114	5.015	5.215	500.310	500.000	0.1
Aroclor-1016-5	5.328	5.229	5.429	554.630	500.000	10.9
Aroclor-1260-1	6.360	6.264	6.464	525.560	500.000	5.1
Aroclor-1260-2	6.548	6.453	6.653	490.830	500.000	-1.8
Aroclor-1260-3	6.700	6.606	6.806	512.150	500.000	2.4
Aroclor-1260-4	7.171	7.077	7.277	510.340	500.000	2.1
Aroclor-1260-5	7.413	7.319	7.519	505.310	500.000	1.1
Decachlorobiphenyl	8.812	8.723	8.923	52.010	50.000	4.0
Tetrachloro-m-xylene	3.795	3.691	3.891	49.040	50.000	-1.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:09
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.499	3.795	93990610	78378531	46.743	49.037
2)	SA Decachlor...	10.199	8.812	78305151	55052712	48.066	52.005
	Target Compounds						
3)	L1 AR-1016-1	5.650	4.877	31185342	30620628	415.341	498.468
4)	L1 AR-1016-2	5.672	4.895	47712029	43913784	445.942	500.218
5)	L1 AR-1016-3	5.735	5.072	28963916	24156489	441.759	506.909
6)	L1 AR-1016-4	5.832	5.114	24285865	19034352	455.901	500.307
7)	L1 AR-1016-5	6.124	5.328	21997748	27634125	449.767	554.630
31)	L7 AR-1260-1	7.242	6.360	43040414	41915134	459.859	525.557
32)	L7 AR-1260-2	7.495	6.548	65586809	49780999	457.084	490.830
33)	L7 AR-1260-3	7.854	6.700	53699147	44506956	471.580	512.149
34)	L7 AR-1260-4	8.078	7.171	50445527	36791023	470.124	510.342
35)	L7 AR-1260-5	8.396	7.413	114.1E6	87734727	482.011	505.314

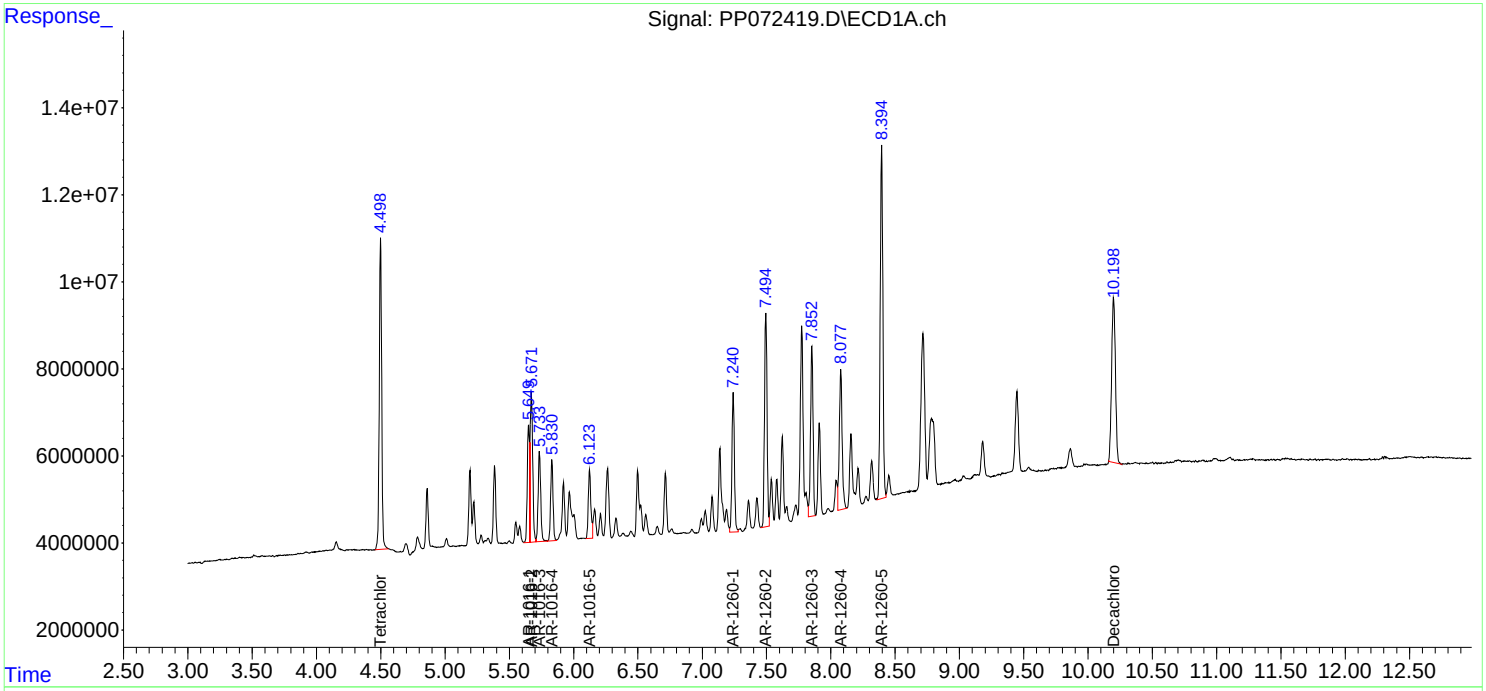
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

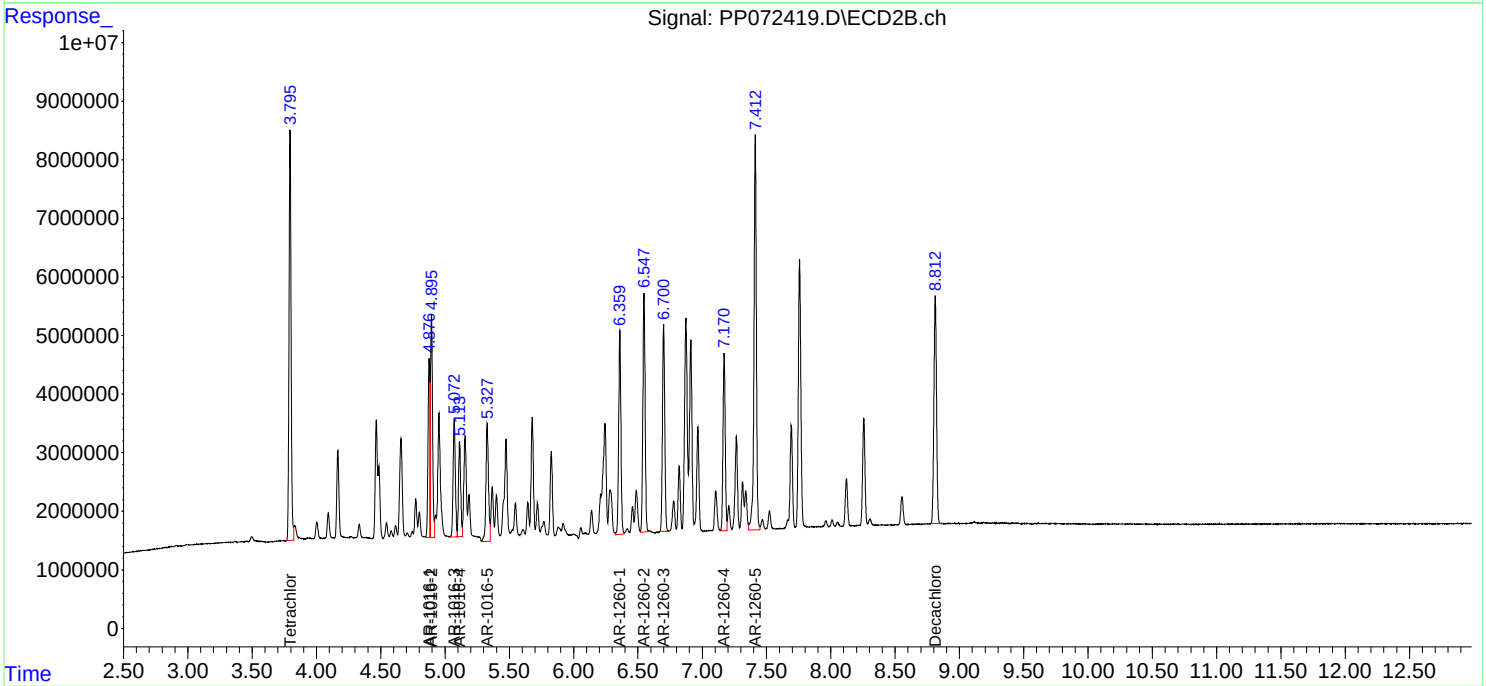
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:09
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

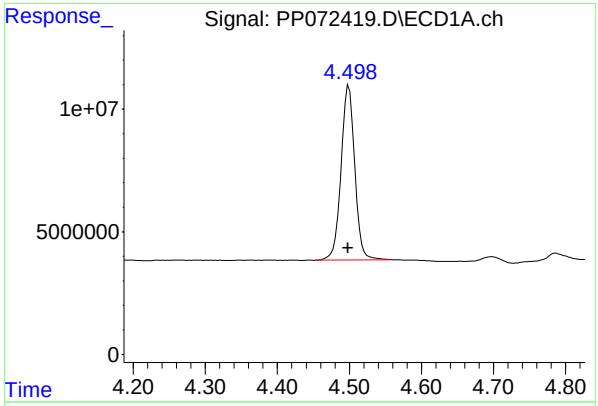
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



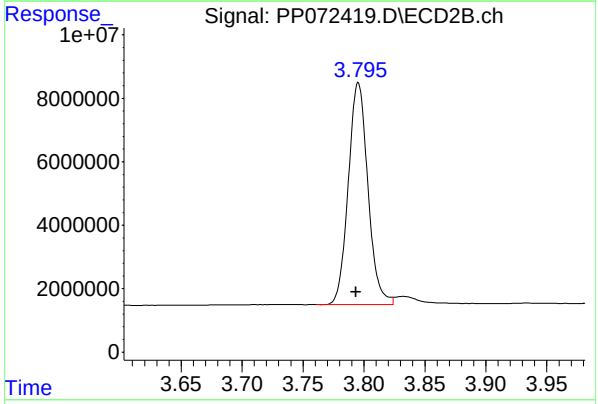




#1 Tetrachloro-m-xylene

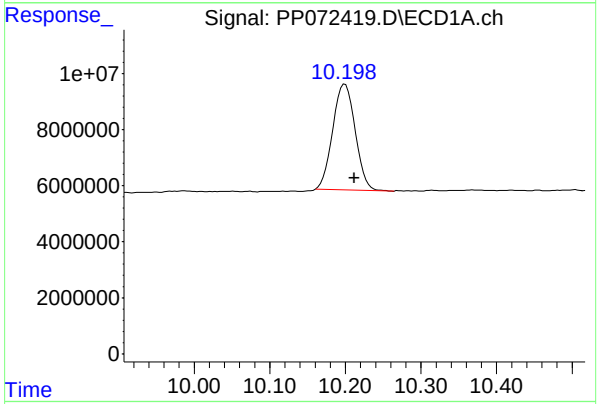
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 93990610
Conc: 46.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



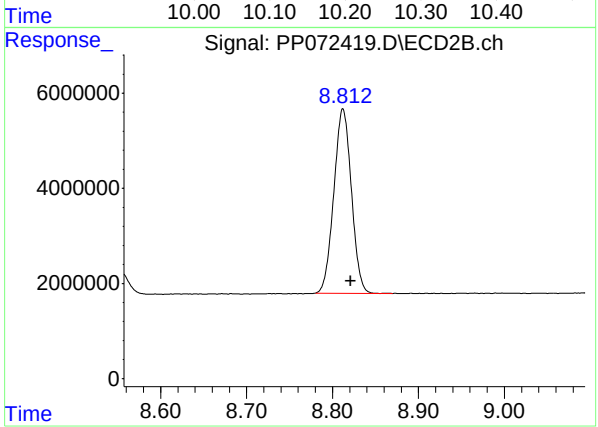
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 78378531
Conc: 49.04 ng/ml



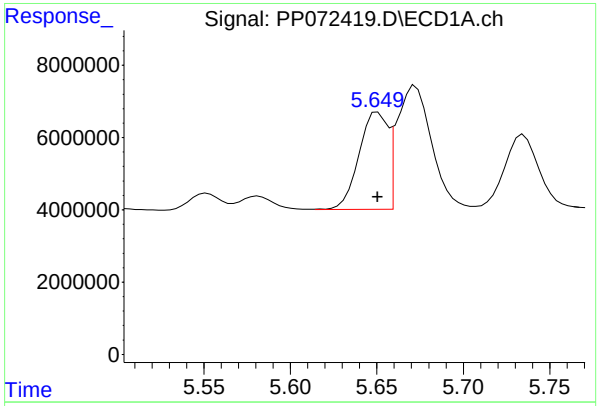
#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 78305151
Conc: 48.07 ng/ml



#2 Decachlorobiphenyl

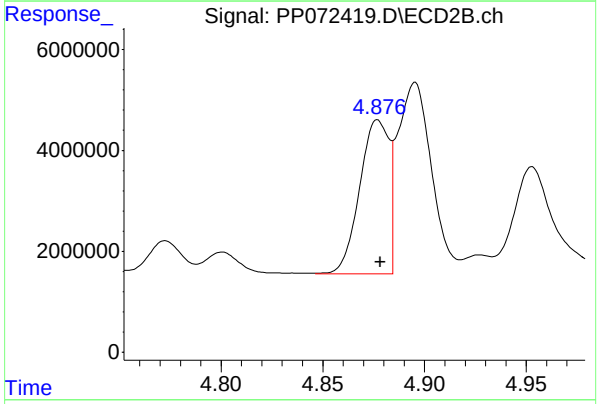
R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 55052712
Conc: 52.01 ng/ml



#3 AR-1016-1

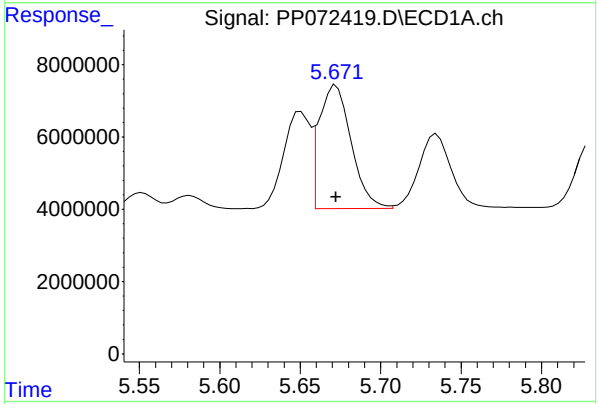
R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 31185342
Conc: 415.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



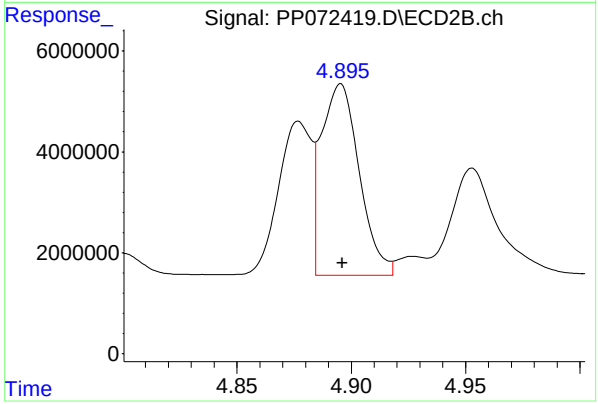
#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: -0.001 min
Response: 30620628
Conc: 498.47 ng/ml



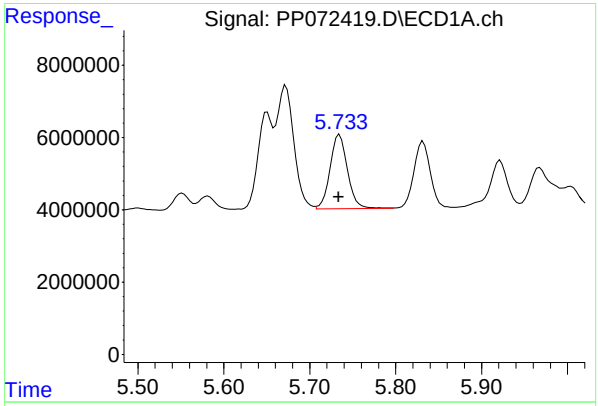
#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 47712029
Conc: 445.94 ng/ml



#4 AR-1016-2

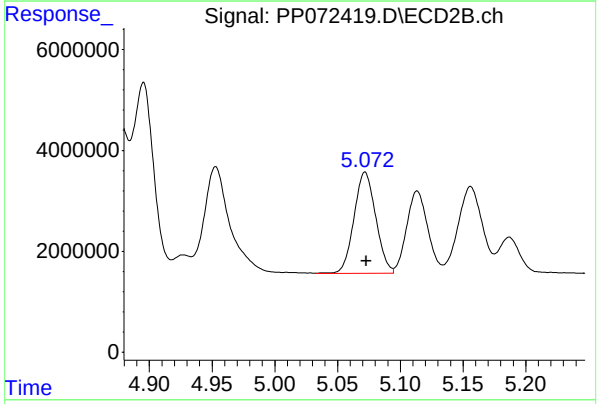
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 43913784
Conc: 500.22 ng/ml



#5 AR-1016-3

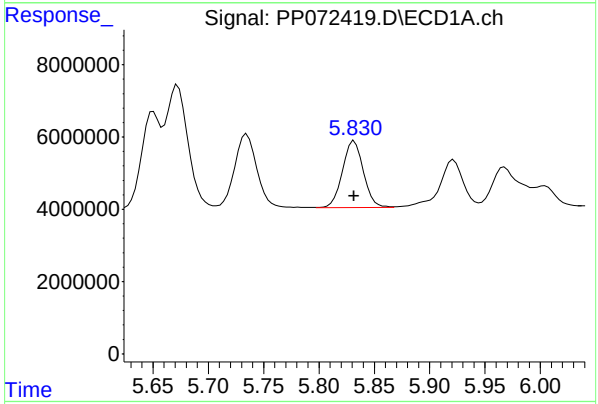
R.T.: 5.735 min
Delta R.T.: 0.000 min
Response: 28963916
Conc: 441.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



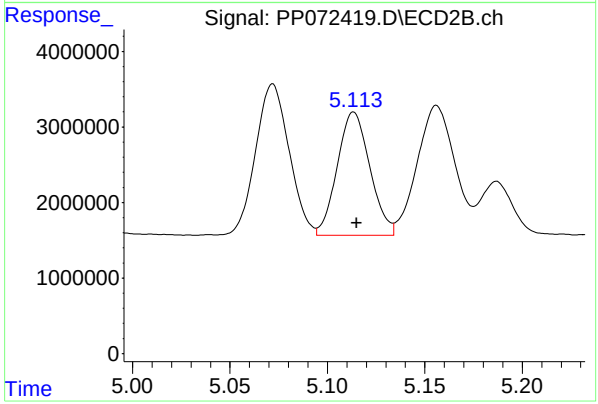
#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: -0.001 min
Response: 24156489
Conc: 506.91 ng/ml



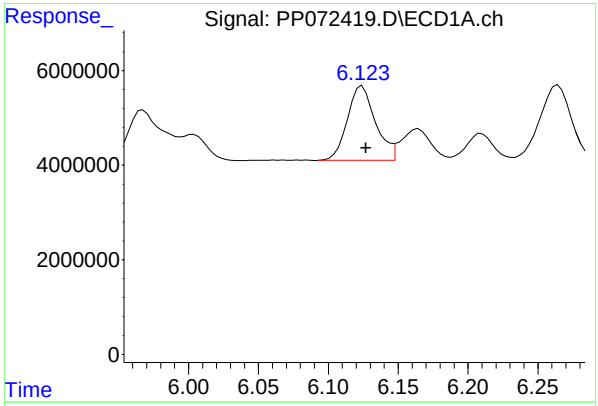
#6 AR-1016-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 24285865
Conc: 455.90 ng/ml



#6 AR-1016-4

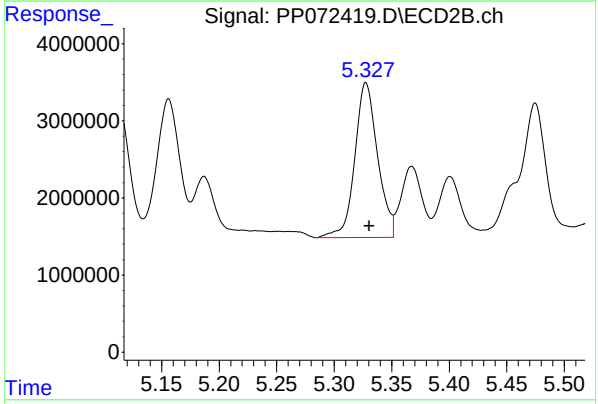
R.T.: 5.114 min
Delta R.T.: -0.002 min
Response: 19034352
Conc: 500.31 ng/ml



#7 AR-1016-5

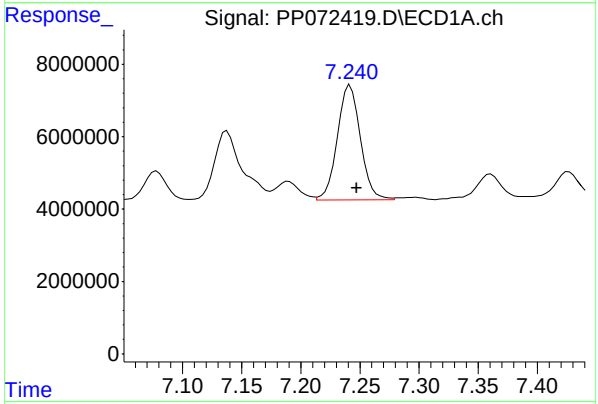
R.T.: 6.124 min
Delta R.T.: -0.003 min
Response: 21997748
Conc: 449.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



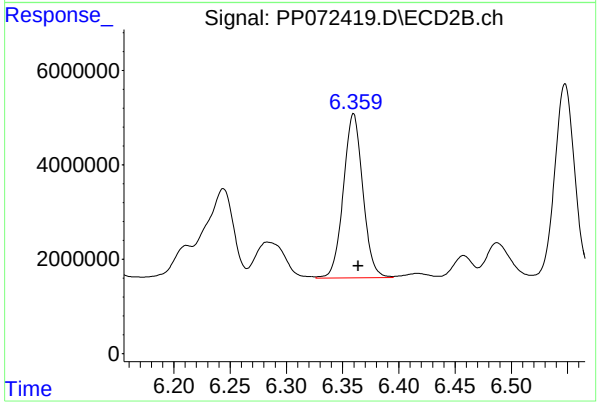
#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: -0.003 min
Response: 27634125
Conc: 554.63 ng/ml



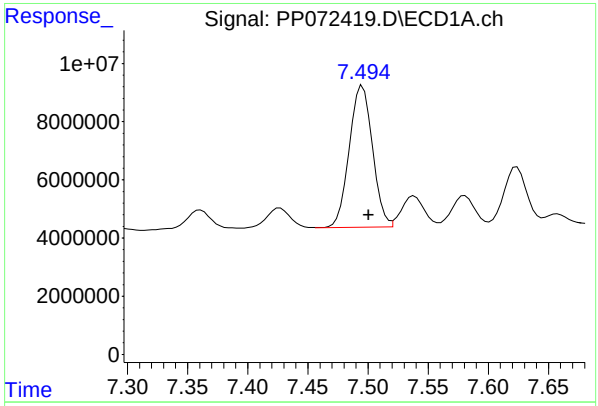
#31 AR-1260-1

R.T.: 7.242 min
Delta R.T.: -0.005 min
Response: 43040414
Conc: 459.86 ng/ml



#31 AR-1260-1

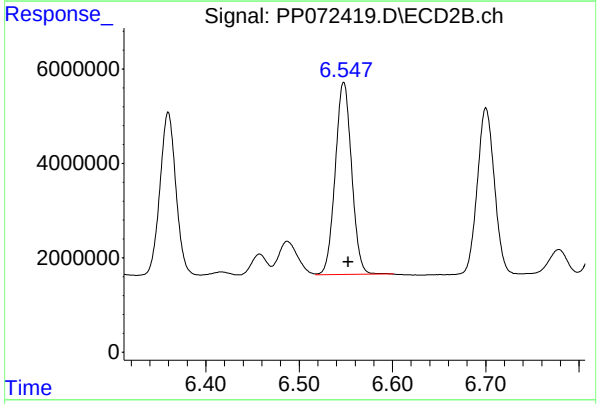
R.T.: 6.360 min
Delta R.T.: -0.004 min
Response: 41915134
Conc: 525.56 ng/ml



#32 AR-1260-2

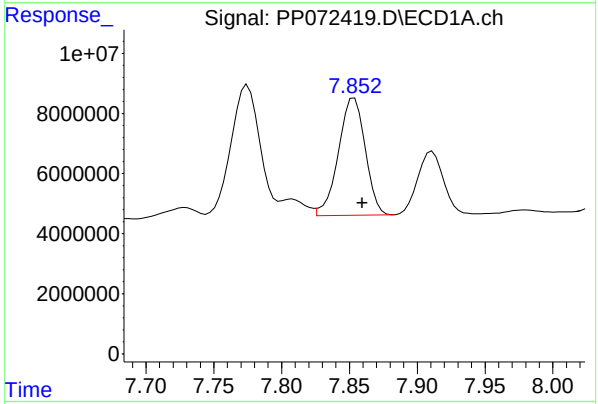
R.T.: 7.495 min
Delta R.T.: -0.005 min
Response: 65586809
Conc: 457.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



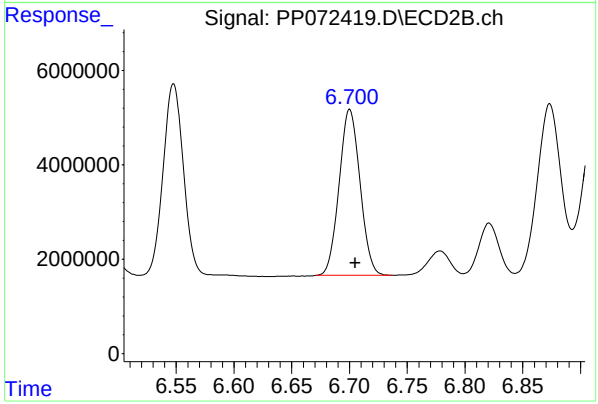
#32 AR-1260-2

R.T.: 6.548 min
Delta R.T.: -0.005 min
Response: 49780999
Conc: 490.83 ng/ml



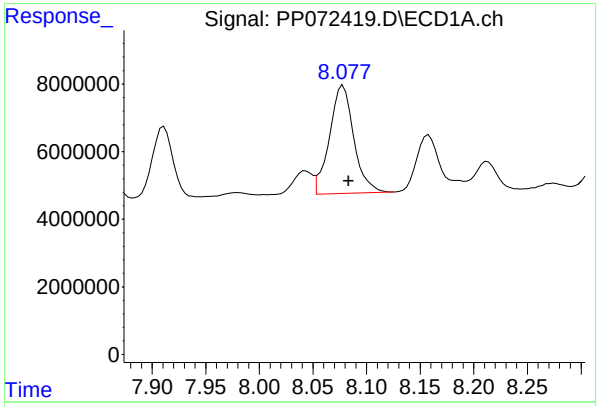
#33 AR-1260-3

R.T.: 7.854 min
Delta R.T.: -0.006 min
Response: 53699147
Conc: 471.58 ng/ml



#33 AR-1260-3

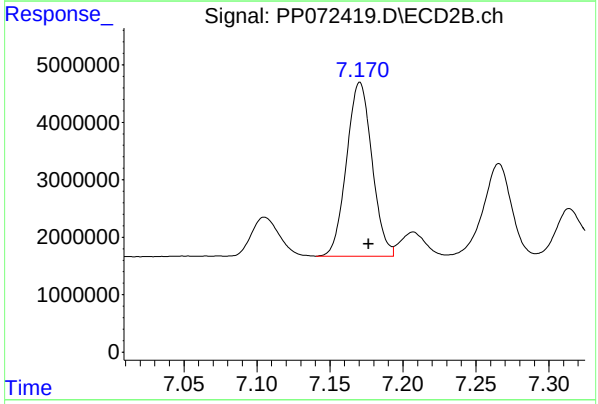
R.T.: 6.700 min
Delta R.T.: -0.005 min
Response: 44506956
Conc: 512.15 ng/ml



#34 AR-1260-4

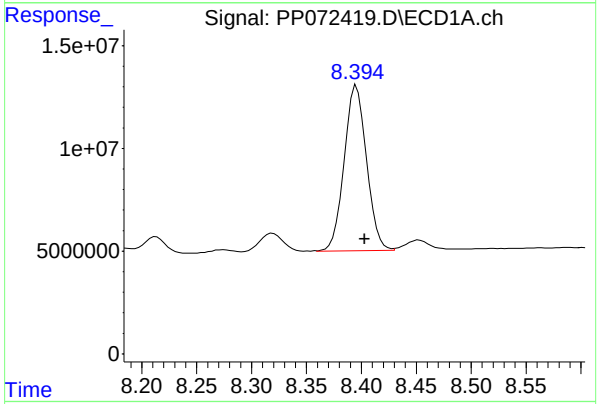
R.T.: 8.078 min
Delta R.T.: -0.005 min
Response: 50445527
Conc: 470.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



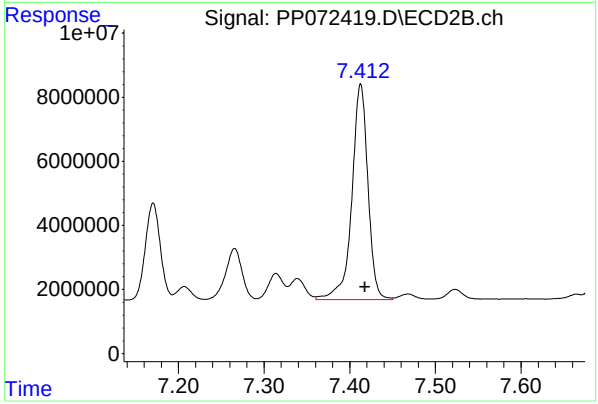
#34 AR-1260-4

R.T.: 7.171 min
Delta R.T.: -0.006 min
Response: 36791023
Conc: 510.34 ng/ml



#35 AR-1260-5

R.T.: 8.396 min
Delta R.T.: -0.007 min
Response: 114073831
Conc: 482.01 ng/ml



#35 AR-1260-5

R.T.: 7.413 min
Delta R.T.: -0.005 min
Response: 87734727
Conc: 505.31 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 20:41 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	4.70	4.70	4.60	4.80	0.00
Aroclor-1221-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1221-3	(3)	4.86	4.86	4.76	4.96	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/28/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 20:41 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	4.01	4.01	3.91	4.11	0.00
Aroclor-1221-2	(2)	4.09	4.09	3.99	4.19	0.00
Aroclor-1221-3	(3)	4.17	4.17	4.07	4.27	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL10 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072420.D **Time Analyzed:** 20:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.701	4.603	4.803	466.550	500.000	-6.7
Aroclor-1221-2	4.787	4.688	4.888	586.510	500.000	17.3
Aroclor-1221-3	4.863	4.764	4.964	529.090	500.000	5.8
Decachlorobiphenyl	10.198	10.114	10.314	48.820	50.000	-2.4
Tetrachloro-m-xylene	4.500	4.401	4.601	47.420	50.000	-5.2

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL10 **Date Analyzed:** 05/28/2025

Lab Sample No.: AR1221CCC500 **Data File :** PP072420.D **Time Analyzed:** 20:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.005	3.905	4.105	476.980	500.000	-4.6
Aroclor-1221-2	4.092	3.991	4.191	468.970	500.000	-6.2
Aroclor-1221-3	4.167	4.067	4.267	466.860	500.000	-6.6
Decachlorobiphenyl	8.812	8.724	8.924	50.960	50.000	1.9
Tetrachloro-m-xylene	3.795	3.694	3.894	48.890	50.000	-2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.795	95346934	78140251	47.417	48.888
2)	SA Decachlor...	10.198	8.812	79530336	53944590	48.818m	50.958
	Target Compounds						
8)	L2 AR-1221-1	4.701	4.005	12196588	12788061	466.549	476.984
9)	L2 AR-1221-2	4.787	4.092	11964293	9630282	586.505	468.971
10)	L2 AR-1221-3	4.863	4.167	32009804	27492252	529.093	466.859

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 20:41
Operator : YP\AJ
Sample : AR1221CCC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

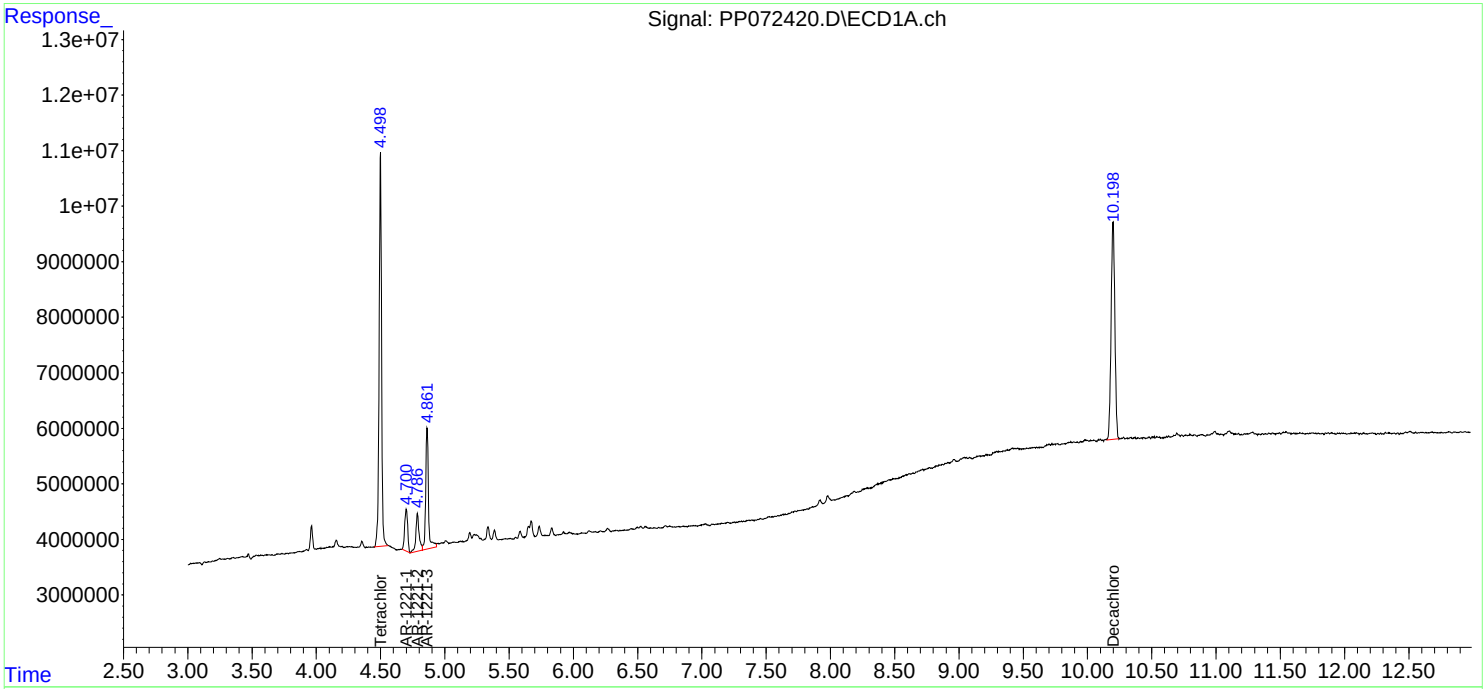
Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

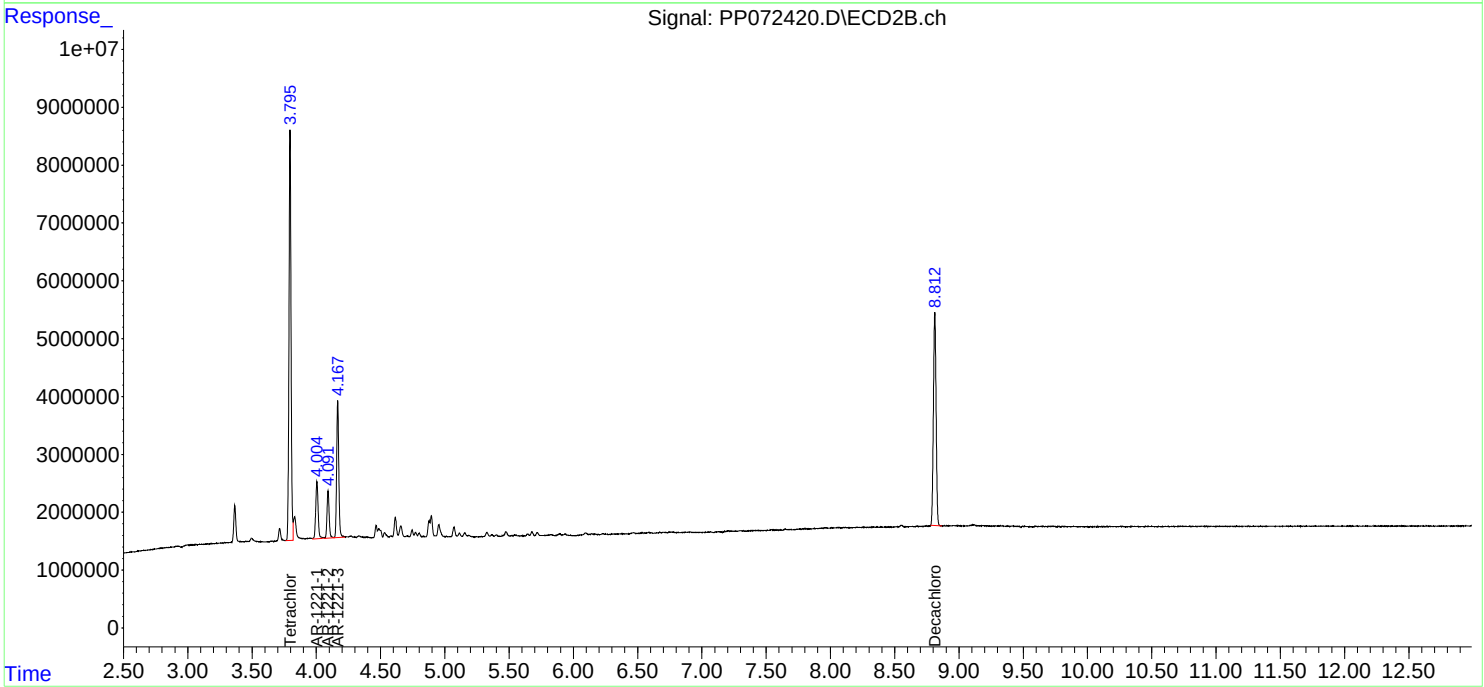
Manual Integrations APPROVED

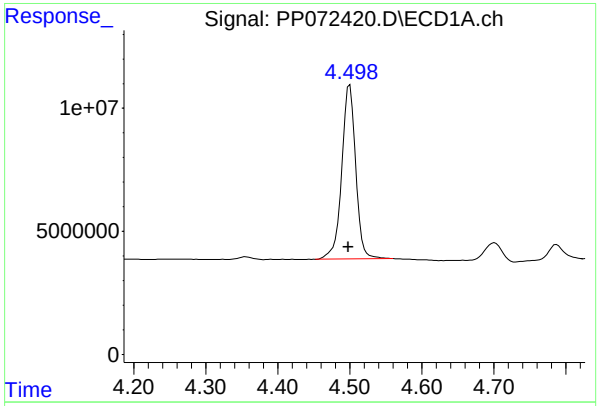
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







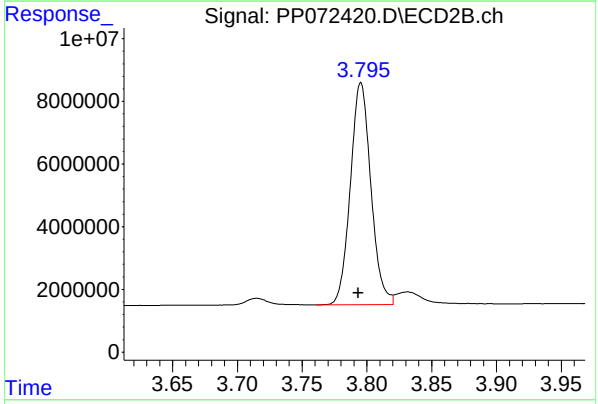
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 mi
Response: 95346934
Conc: 47.42 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

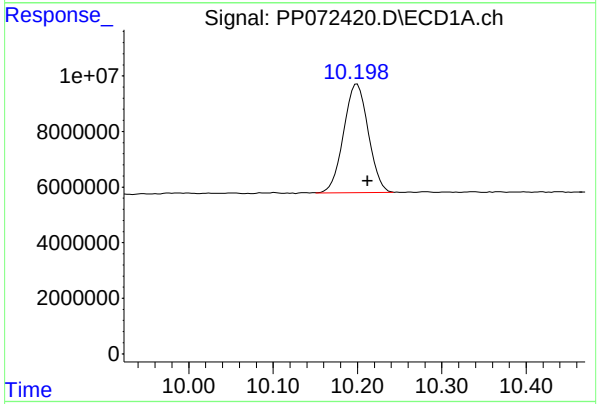
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



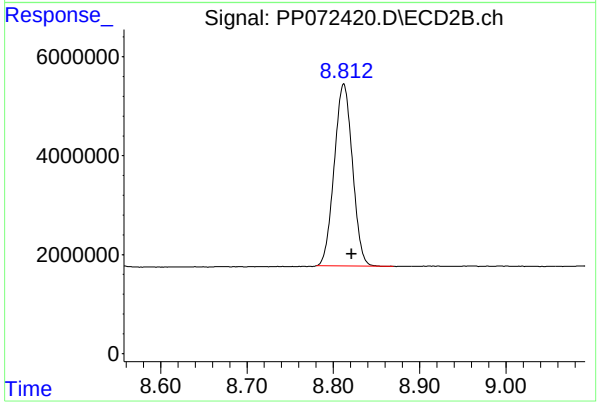
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 78140251
Conc: 48.89 ng/ml



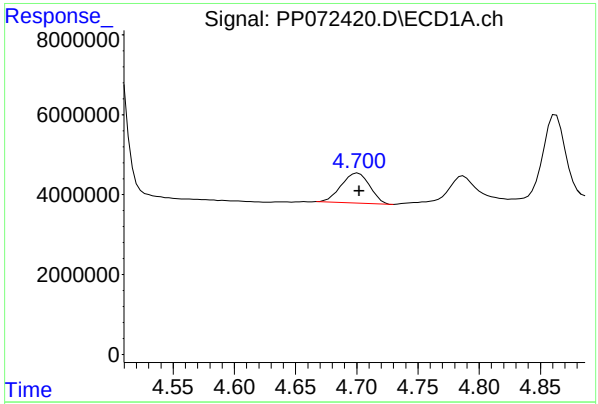
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 79530336
Conc: 48.82 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 53944590
Conc: 50.96 ng/ml



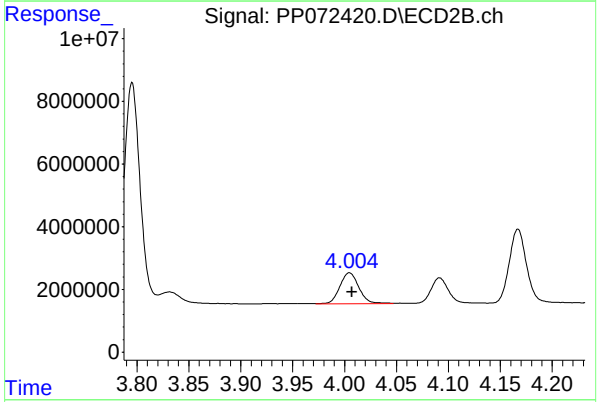
#8 AR-1221-1

R.T.: 4.701 min
Delta R.T.: -0.001 min
Response: 12196588
Conc: 466.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

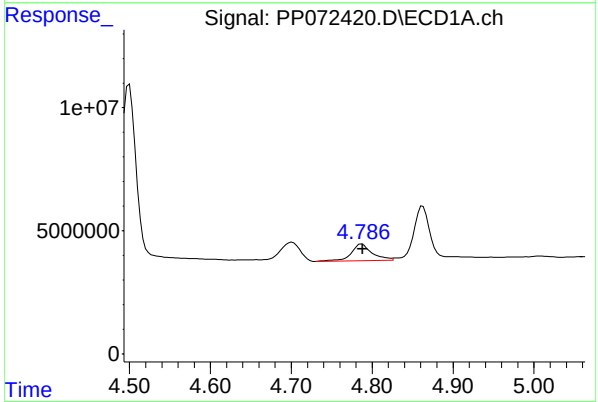
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



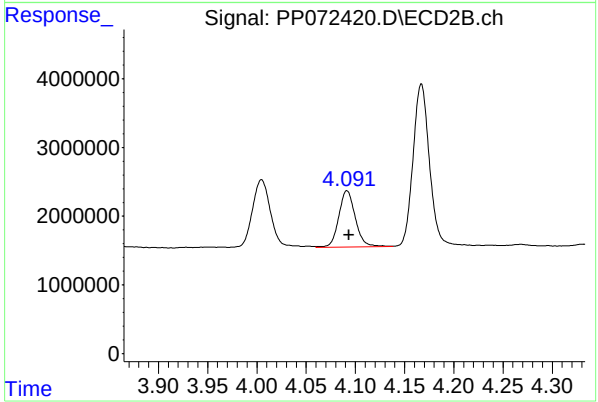
#8 AR-1221-1

R.T.: 4.005 min
Delta R.T.: -0.002 min
Response: 12788061
Conc: 476.98 ng/ml



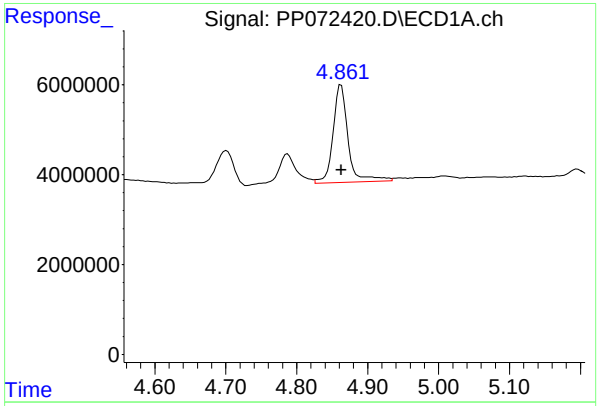
#9 AR-1221-2

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 11964293
Conc: 586.51 ng/ml



#9 AR-1221-2

R.T.: 4.092 min
Delta R.T.: -0.002 min
Response: 9630282
Conc: 468.97 ng/ml



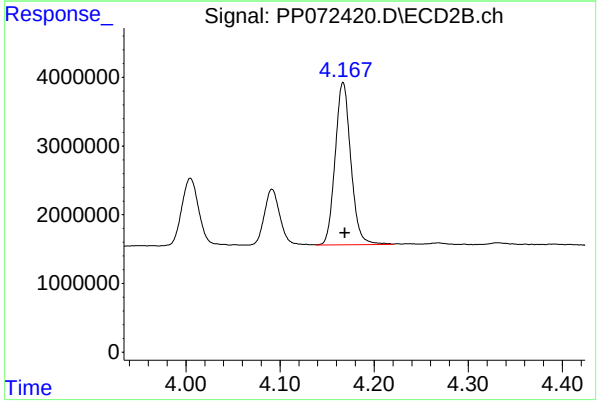
#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 32009804
Conc: 529.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



#10 AR-1221-3

R.T.: 4.167 min
Delta R.T.: -0.002 min
Response: 27492252
Conc: 466.86 ng/ml

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

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

Project: NJ Soil PT **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	05/23/2025	12:10	PP072307.D	10.21	4.51
I.BLK	I.BLK	05/23/2025	13:33	PP072312.D	10.21	4.50
PB168149BL	PB168149BL	05/23/2025	13:49	PP072313.D	10.21	4.50
PB168149BS	PB168149BS	05/23/2025	14:06	PP072314.D	10.21	4.50
EO-03-05222025MS	Q2112-01MS	05/23/2025	15:28	PP072319.D	10.21	4.50
EO-03-05222025MSD	Q2112-01MSD	05/23/2025	15:44	PP072320.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/23/2025	17:22	PP072322.D	10.21	4.50
I.BLK	I.BLK	05/23/2025	18:27	PP072326.D	10.21	4.50
I.BLK	I.BLK	05/23/2025	23:54	PP072340.D	10.20	4.50

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Analytical Sequence

AR1221ICC1000	AR1221ICC1000	05/24/2025	00:10	PP072341.D	10.21	4.50
AR1221ICC750	AR1221ICC750	05/24/2025	00:27	PP072342.D	10.20	4.50
AR1221ICC500	AR1221ICC500	05/24/2025	00:43	PP072343.D	10.21	4.50
AR1221ICC250	AR1221ICC250	05/24/2025	00:59	PP072344.D	10.21	4.50
AR1221ICC050	AR1221ICC050	05/24/2025	01:16	PP072345.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/24/2025	02:05	PP072347.D	10.21	4.50
AR1221CCC500	AR1221CCC500	05/24/2025	02:37	PP072348.D	10.21	4.50
I.BLK	I.BLK	05/24/2025	03:26	PP072349.D	10.21	4.50
HW0425-PT-PCB-SOIL	Q1872-18	05/24/2025	04:31	PP072352.D	10.21	4.49
HW0425-PT-PCB-SOILDL	Q1872-18DL	05/24/2025	05:20	PP072355.D	0.00	0.00
AR1660CCC500	AR1660CCC500	05/24/2025	05:36	PP072356.D	10.20	4.50
AR1221CCC500	AR1221CCC500	05/24/2025	06:09	PP072357.D	10.21	4.50
I.BLK	I.BLK	05/24/2025	06:58	PP072358.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/28/2025	14:25	PP072404.D	10.20	4.50
AR1221CCC500	AR1221CCC500	05/28/2025	14:41	PP072405.D	10.20	4.50
I.BLK	I.BLK	05/28/2025	16:21	PP072410.D	10.20	4.50
PB168154BL	PB168154BL	05/28/2025	16:37	PP072411.D	10.20	4.50
PB168154BS	PB168154BS	05/28/2025	16:53	PP072412.D	10.20	4.50
HW0425-PT-PCBO-SOIL	Q1872-19	05/28/2025	17:10	PP072413.D	10.20	4.50
AR1660CCC500	AR1660CCC500	05/28/2025	20:09	PP072419.D	10.20	4.50
AR1221CCC500	AR1221CCC500	05/28/2025	20:41	PP072420.D	10.20	4.50
I.BLK	I.BLK	05/28/2025	22:03	PP072423.D	10.20	4.50

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Analytical Sequence

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

Project: NJ Soil PT **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/23/2025	12:10	PP072307.D	8.82	3.80
I.BLK	I.BLK	05/23/2025	13:33	PP072312.D	8.82	3.80
PB168149BL	PB168149BL	05/23/2025	13:49	PP072313.D	8.82	3.80
PB168149BS	PB168149BS	05/23/2025	14:06	PP072314.D	8.82	3.80
EO-03-05222025MS	Q2112-01MS	05/23/2025	15:28	PP072319.D	8.82	3.80
EO-03-05222025MSD	Q2112-01MSD	05/23/2025	15:44	PP072320.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/23/2025	17:22	PP072322.D	8.82	3.80
I.BLK	I.BLK	05/23/2025	18:27	PP072326.D	8.82	3.80
I.BLK	I.BLK	05/23/2025	23:54	PP072340.D	8.82	3.80

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Analytical Sequence

AR1221ICC1000	AR1221ICC1000	05/24/2025	00:10	PP072341.D	8.82	3.80
AR1221ICC750	AR1221ICC750	05/24/2025	00:27	PP072342.D	8.82	3.80
AR1221ICC500	AR1221ICC500	05/24/2025	00:43	PP072343.D	8.82	3.80
AR1221ICC250	AR1221ICC250	05/24/2025	00:59	PP072344.D	8.82	3.80
AR1221ICC050	AR1221ICC050	05/24/2025	01:16	PP072345.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/24/2025	02:05	PP072347.D	8.82	3.80
AR1221CCC500	AR1221CCC500	05/24/2025	02:37	PP072348.D	8.82	3.80
I.BLK	I.BLK	05/24/2025	03:26	PP072349.D	8.82	3.80
HW0425-PT-PCB-SOIL	Q1872-18	05/24/2025	04:31	PP072352.D	8.82	3.80
HW0425-PT-PCB-SOILDL	Q1872-18DL	05/24/2025	05:20	PP072355.D	0.00	0.00
AR1660CCC500	AR1660CCC500	05/24/2025	05:36	PP072356.D	8.82	3.80
AR1221CCC500	AR1221CCC500	05/24/2025	06:09	PP072357.D	8.82	3.80
I.BLK	I.BLK	05/24/2025	06:58	PP072358.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/28/2025	14:25	PP072404.D	8.81	3.80
AR1221CCC500	AR1221CCC500	05/28/2025	14:41	PP072405.D	8.81	3.79
I.BLK	I.BLK	05/28/2025	16:21	PP072410.D	8.81	3.80
PB168154BL	PB168154BL	05/28/2025	16:37	PP072411.D	8.81	3.80
PB168154BS	PB168154BS	05/28/2025	16:53	PP072412.D	8.81	3.80
HW0425-PT-PCBO-SOIL	Q1872-19	05/28/2025	17:10	PP072413.D	8.81	3.81
AR1660CCC500	AR1660CCC500	05/28/2025	20:09	PP072419.D	8.81	3.80
AR1221CCC500	AR1221CCC500	05/28/2025	20:41	PP072420.D	8.81	3.80
I.BLK	I.BLK	05/28/2025	22:03	PP072423.D	8.81	3.79

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168149BS

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168149BS Date(s) Analyzed: 05/23/2025 05/23/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072314.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.654	5.604	5.704	119		
	2	5.676	5.626	5.726	125		
	3	5.738	5.688	5.788	123		
COLUMN 1	4	5.836	5.786	5.886	128		
	5	6.128	6.078	6.178	124	124	
	1	4.88	4.83	4.93	124		
	2	4.898	4.848	4.948	125		
	3	5.075	5.025	5.125	127		
	4	5.116	5.066	5.166	128		
COLUMN 2	5	5.331	5.281	5.381	122	125	0.8
Aroclor-1260	1	7.246	7.196	7.296	132		
	2	7.499	7.449	7.549	130		
	3	7.858	7.808	7.908	113		
COLUMN 1	4	8.082	8.032	8.132	123		
	5	8.401	8.351	8.451	120	124	
	1	6.364	6.314	6.414	142		
	2	6.553	6.503	6.603	134		
	3	6.705	6.655	6.755	144		
	4	7.175	7.125	7.225	130		
COLUMN 2	5	7.417	7.367	7.467	126	135	8.49

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
EO-03-05222025MS

Contract: ALLI03
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872
Lab Sample ID: Q2112-01MS Date(s) Analyzed: 05/23/2025 05/23/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP072319.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.655	5.605	5.705	91.9		
	2	5.678	5.628	5.728	95.8		
	3	5.74	5.69	5.79	94.0		
COLUMN 1	4	5.837	5.787	5.887	105		
	5	6.128	6.078	6.178	93.8	96.0	
	1	4.881	4.831	4.931	122		
	2	4.899	4.849	4.949	124		
	3	5.075	5.025	5.125	121		
	4	5.117	5.067	5.167	128		
COLUMN 2	5	5.331	5.281	5.381	118	122	23.85
Aroclor-1260	1	7.248	7.198	7.298	98.7		
	2	7.502	7.452	7.552	108		
	3	7.86	7.81	7.91	82.4		
COLUMN 1	4	8.083	8.033	8.133	92.9		
	5	8.404	8.354	8.454	88.9	94.1	
	1	6.364	6.314	6.414	119		
	2	6.553	6.503	6.603	111		
	3	6.705	6.655	6.755	116		
	4	7.176	7.126	7.226	101		
COLUMN 2	5	7.418	7.368	7.468	101	110	15.58

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
EO-03-05222025MSD

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q2112-01MSD Date(s) Analyzed: 05/23/2025 05/23/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072320.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.653	5.603	5.703	95.3		
	2	5.676	5.626	5.726	95.4		
	3	5.738	5.688	5.788	94.6		
COLUMN 1	4	5.835	5.785	5.885	106		
	5	6.126	6.076	6.176	100	98.3	
	1	4.88	4.83	4.93	120		
	2	4.898	4.848	4.948	121		
	3	5.075	5.025	5.125	118		
	4	5.117	5.067	5.167	125		
COLUMN 2	5	5.331	5.281	5.381	117	120	19.88
Aroclor-1260	1	7.246	7.196	7.296	95.8		
	2	7.499	7.449	7.549	106		
	3	7.858	7.808	7.908	82.1		
COLUMN 1	4	8.081	8.031	8.131	88.6		
	5	8.401	8.351	8.451	89.5	92.4	
	1	6.364	6.314	6.414	117		
	2	6.553	6.503	6.603	110		
	3	6.705	6.655	6.755	114		
	4	7.175	7.125	7.225	98.6		
COLUMN 2	5	7.418	7.368	7.468	98.3	108	15.57

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

HW0425-PT-PCB-SOIL

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-18 Date(s) Analyzed: 05/24/2025 05/24/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072352.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1221	1	4.702	4.652	4.752	7680		
	2	4.787	4.737	4.837	5980		
	3	4.864	4.814	4.914	7230		
COLUMN 1	4	0	0	0	0		
	5	0	0	0	0	7000	
	1	4.006	3.956	4.056	6840		
	2	4.092	4.042	4.142	5550		
	3	4.168	4.118	4.218	6840		
	4	0	0	0	0		
COLUMN 2	5	0	0	0	0	6400	8.96

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

HW0425-PT-PCB-SOILD

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-18DL Date(s) Analyzed: 05/24/2025 05/24/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072355.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1221	1	4.702	4.652	4.752	10000		
	2	4.787	4.737	4.837	8290		
	3	4.863	4.813	4.913	10000		
COLUMN 1	4	0	0	0	0		
	5	0	0	0	0	9400	
	1	4.006	3.956	4.056	10100		
	2	4.092	4.042	4.142	8790		
	3	4.168	4.118	4.218	9680		
	4	0	0	0	0		
COLUMN 2	5	0	0	0	0	9500	1.06

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168154BS

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168154BS Date(s) Analyzed: 05/28/2025 05/28/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072412.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.651	5.601	5.701	3270		
	2	5.673	5.623	5.723	3530		
	3	5.735	5.685	5.785	3440		
COLUMN 1	4	5.831	5.781	5.881	3630		
	5	6.123	6.073	6.173	3680	3500	
	1	4.876	4.826	4.926	3750		
	2	4.895	4.845	4.945	3820		
	3	5.071	5.021	5.121	3810		
	4	5.113	5.063	5.163	3800		
COLUMN 2	5	5.327	5.277	5.377	3650	3800	8.22
Aroclor-1260	1	7.242	7.192	7.292	3760		
	2	7.496	7.446	7.546	3640		
	3	7.854	7.804	7.904	3250		
COLUMN 1	4	8.078	8.028	8.128	3450		
	5	8.396	8.346	8.446	3450	3500	
	1	6.359	6.309	6.409	4040		
	2	6.548	6.498	6.598	3810		
	3	6.699	6.649	6.749	4060		
	4	7.171	7.121	7.221	3570		
COLUMN 2	5	7.412	7.362	7.462	3540	3800	8.22

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
HW0425-PT-PCBO-SOIL

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-19 Date(s) Analyzed: 05/28/2025 05/28/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP072413.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1221	1	4.705	4.655	4.755	6470		
	2	4.792	4.742	4.842	7180		
	3	4.866	4.816	4.916	6430		
COLUMN 1	4	0	0	0	0		
	5	0	0	0	0	6700	
	1	4.013	3.963	4.063	7180		
	2	4.099	4.049	4.149	6440		
	3	4.175	4.125	4.225	7390		
	4	0	0	0	0		
COLUMN 2	5	0	0	0	0	7000	4.38

QC SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168149BL	SDG No.:	Q1872
Lab Sample ID:	PB168149BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072313.D	1	05/23/25 09:18	05/23/25 13:49	PB168149

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		32 - 175	113%	SPK: 20

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_P\Data\PP052325\
Data File : PP072313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:49
Operator : YP\AJ
Sample : PB168149BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168149BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:15:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	42456526	35808801	21.114	22.403
2)	SA Decachlor...	10.209	8.819	36246476	23918705	22.249	22.595
	Target Compounds						

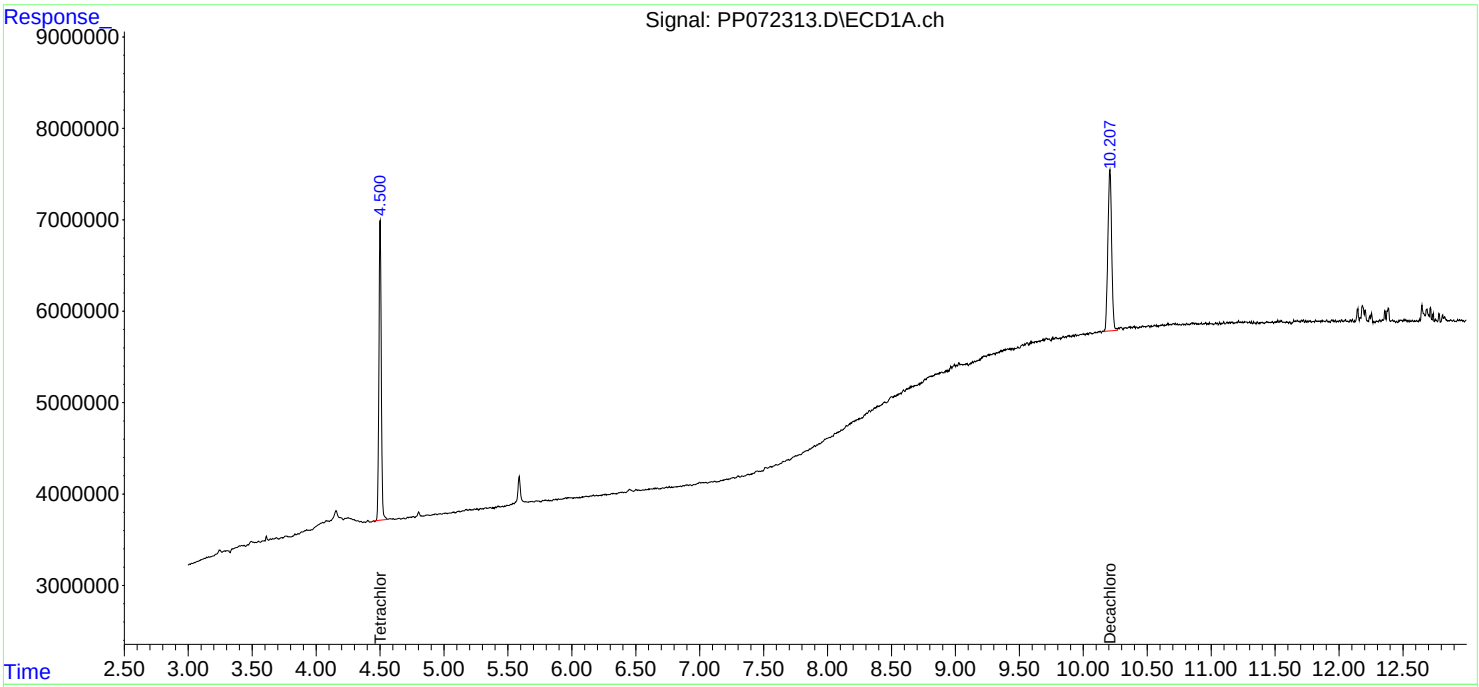
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

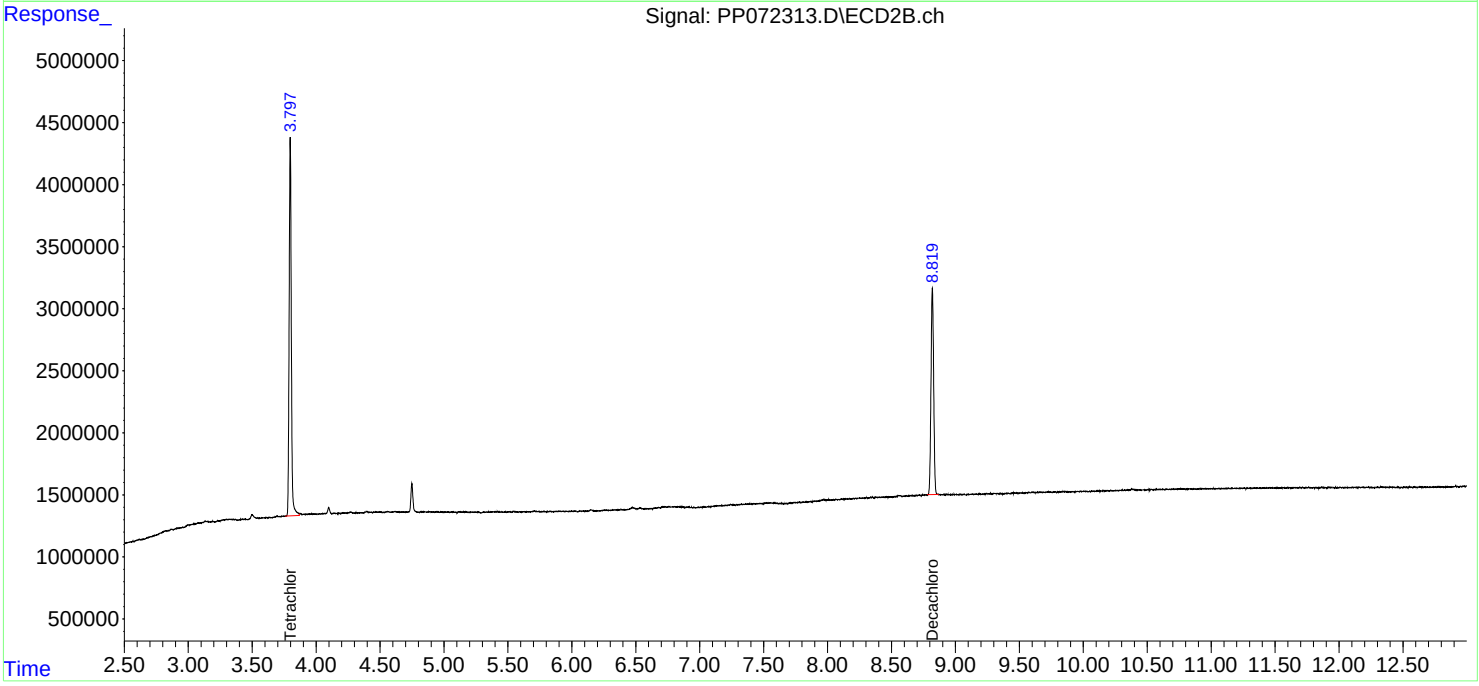
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:49
Operator : YP\AJ
Sample : PB168149BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

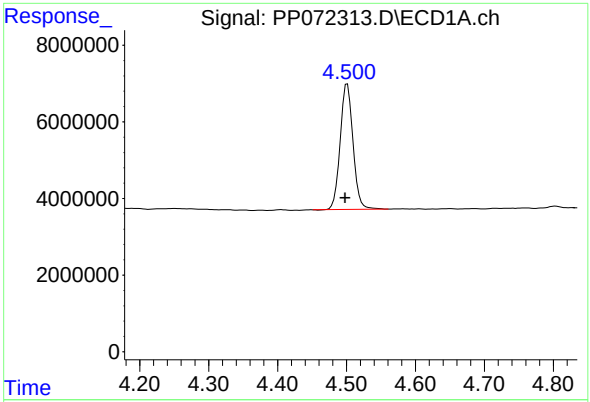
Instrument :
ECD_P
ClientSampleId :
PB168149BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:15:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



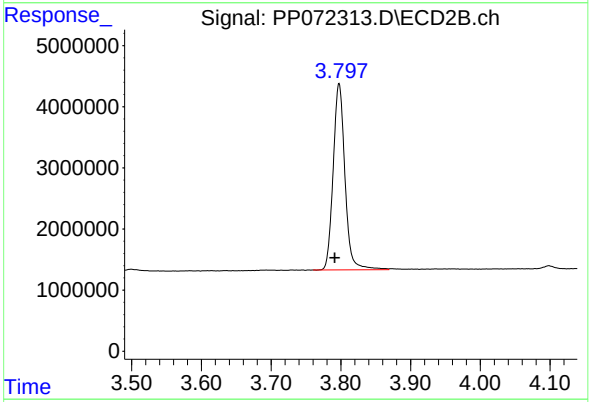




#1 Tetrachloro-m-xylene

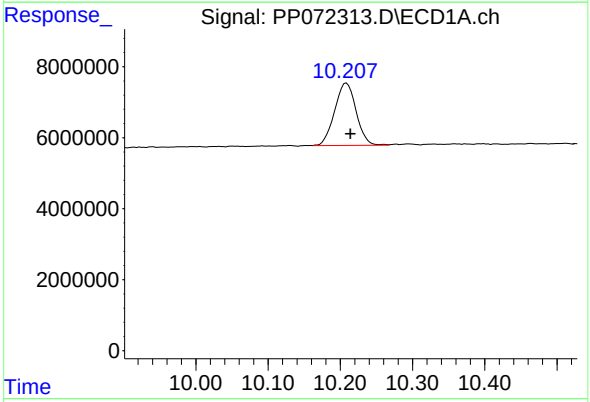
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 42456526
Conc: 21.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168149BL



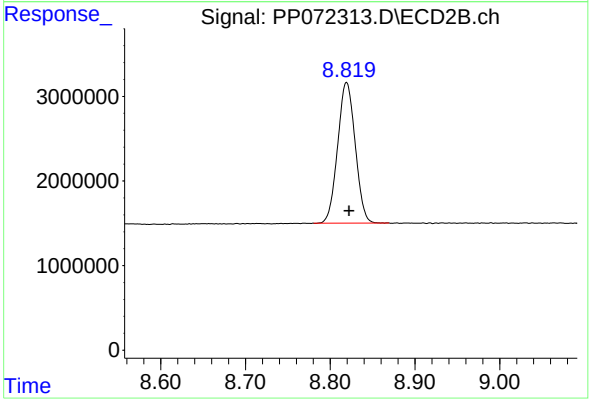
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 35808801
Conc: 22.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.005 min
Response: 36246476
Conc: 22.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.819 min
Delta R.T.: -0.003 min
Response: 23918705
Conc: 22.59 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168154BL	SDG No.:	Q1872
Lab Sample ID:	PB168154BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072411.D	1	05/28/25 09:40	05/28/25 16:37	PB168154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	116	U	116	500	ug/kg
11104-28-2	Aroclor-1221	119	U	119	500	ug/kg
11141-16-5	Aroclor-1232	109	U	109	500	ug/kg
53469-21-9	Aroclor-1242	118	U	118	500	ug/kg
12672-29-6	Aroclor-1248	174	U	174	500	ug/kg
11097-69-1	Aroclor-1254	94.4	U	94.4	500	ug/kg
37324-23-5	Aroclor-1262	148	U	148	500	ug/kg
11100-14-4	Aroclor-1268	106	U	106	500	ug/kg
11096-82-5	Aroclor-1260	95.0	U	95.0	500	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		32 - 175	109%	SPK: 20

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_P\Data\PP052825\
Data File : PP072411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:37
Operator : YP\AJ
Sample : PB168154BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.795	37420988	33441597	18.610	20.922
2)	SA Decachlor...	10.202	8.811	32365478	23045656	19.867	21.770
	Target Compounds						

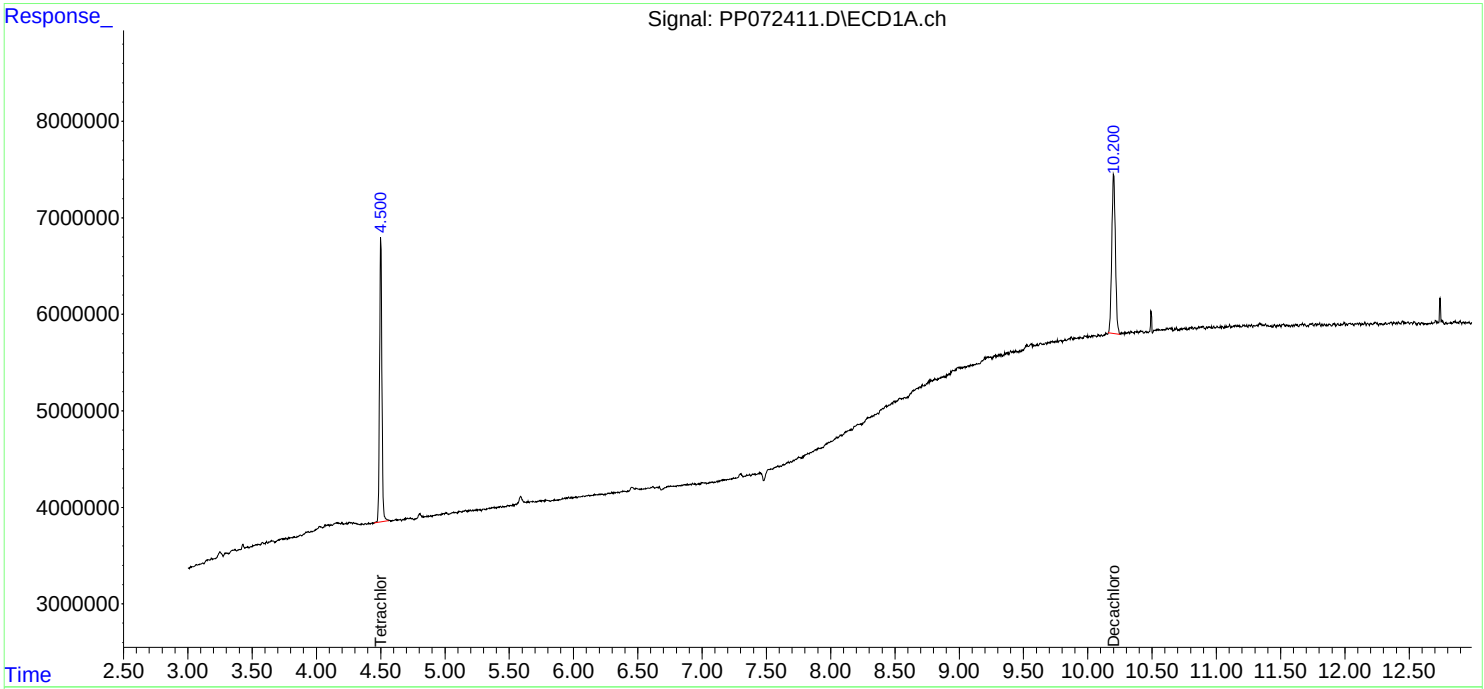
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

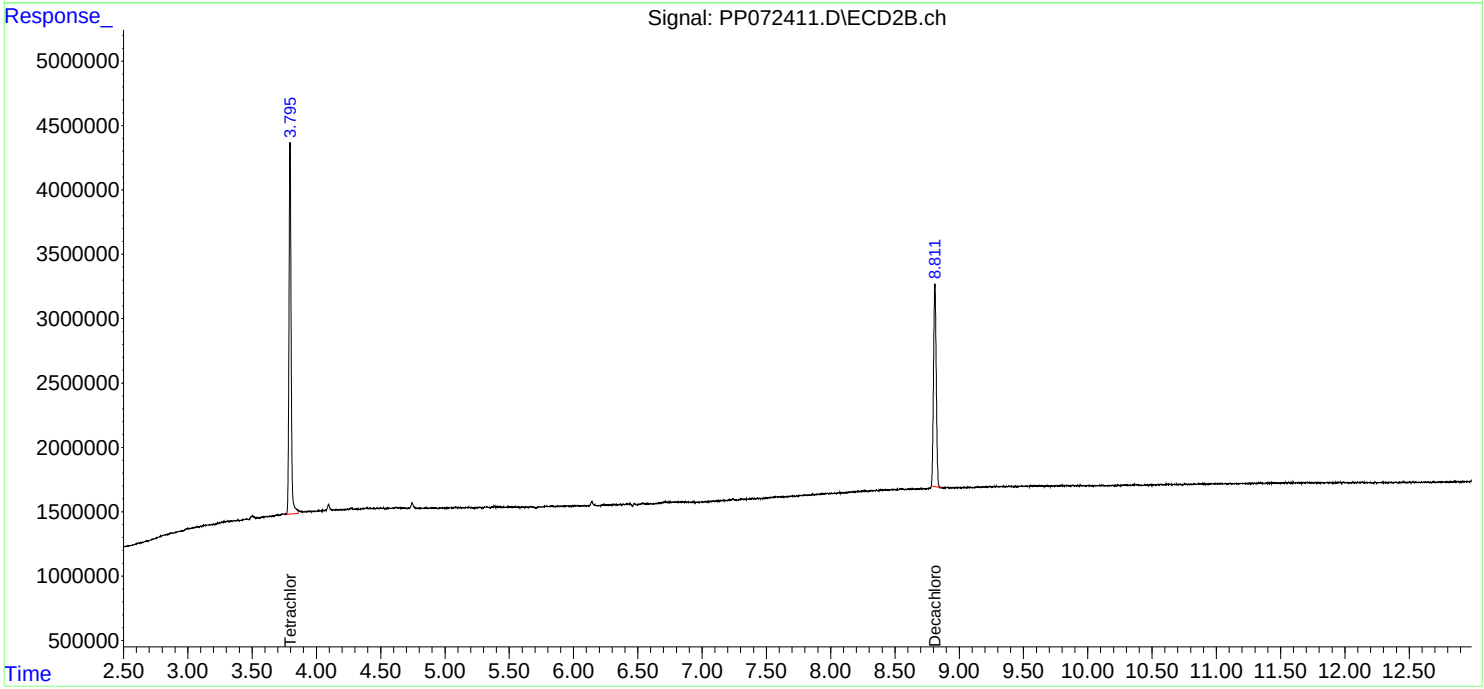
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:37
Operator : YP\AJ
Sample : PB168154BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

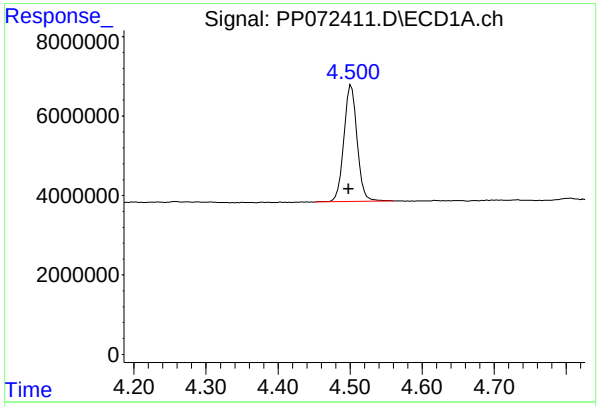
Instrument :
ECD_P
ClientSampleId :
PB168154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



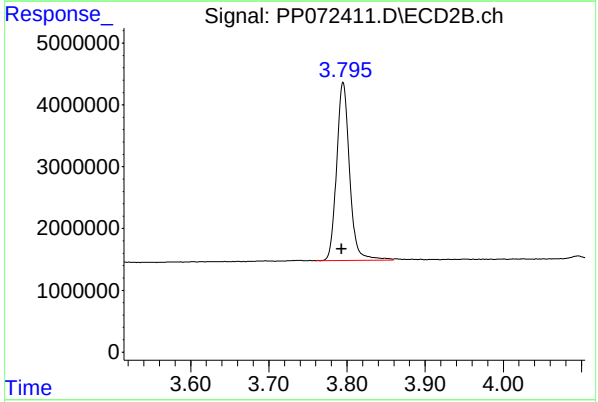




#1 Tetrachloro-m-xylene

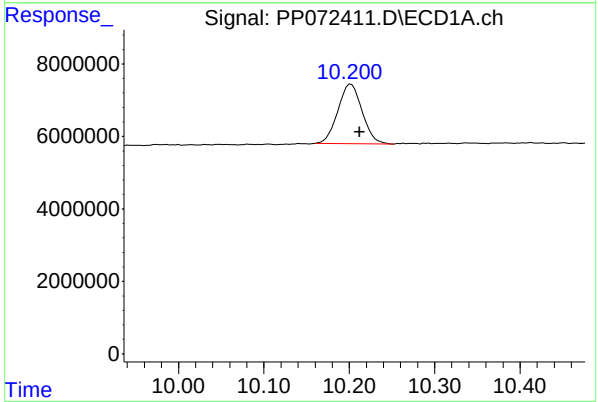
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 37420988
Conc: 18.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168154BL



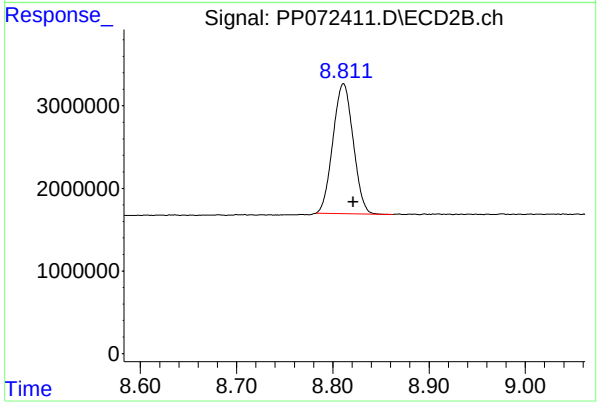
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 33441597
Conc: 20.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.202 min
Delta R.T.: -0.010 min
Response: 32365478
Conc: 19.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.811 min
Delta R.T.: -0.010 min
Response: 23045656
Conc: 21.77 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/19/25
Project:	NJ Soil PT	Date Received:	05/19/25
Client Sample ID:	PIBLK-PP072163.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072163.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072163.D	1		05/19/25	PP051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 140	84%	SPK: 20

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_P\Data\PP051925\
Data File : PP072163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.495	3.788	32787184	26552565	16.306	16.612
2)	SA Decachlor...	10.213	8.822	27208113	18027788	16.701	17.030
	Target Compounds						

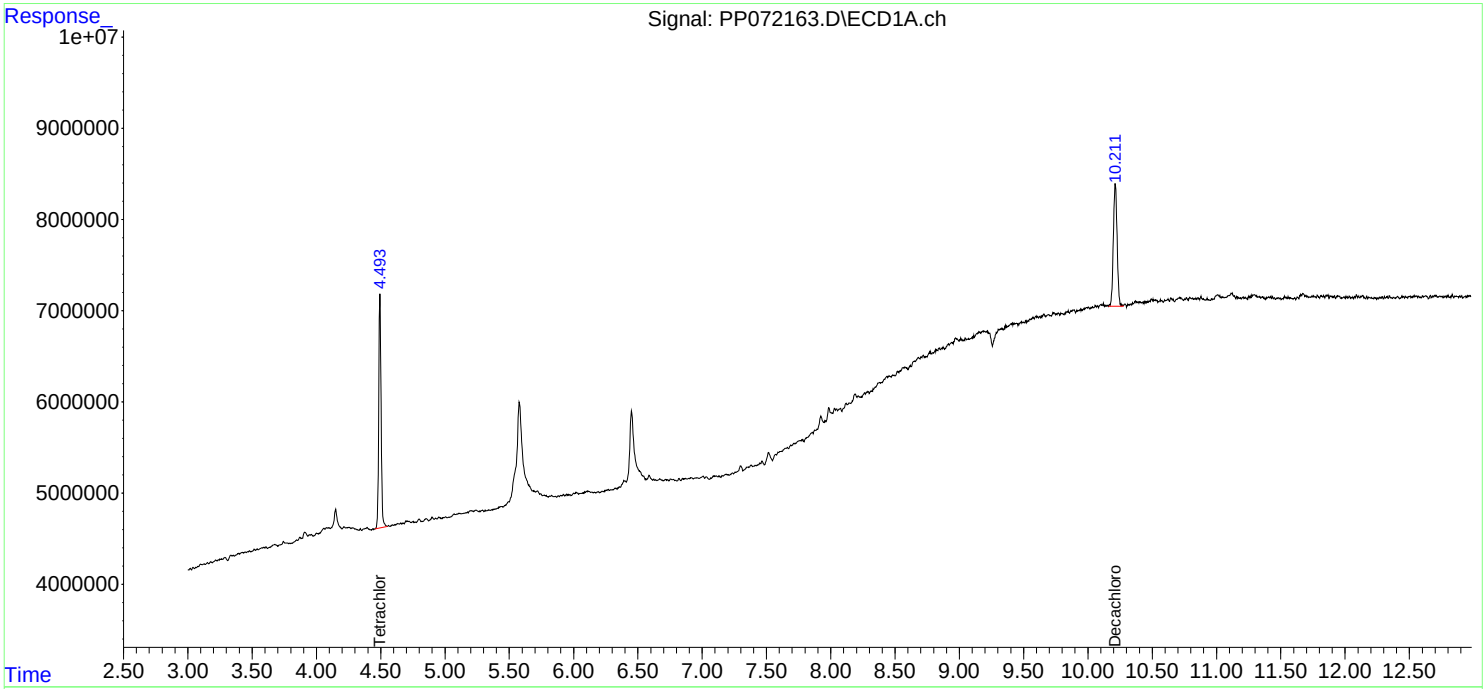
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

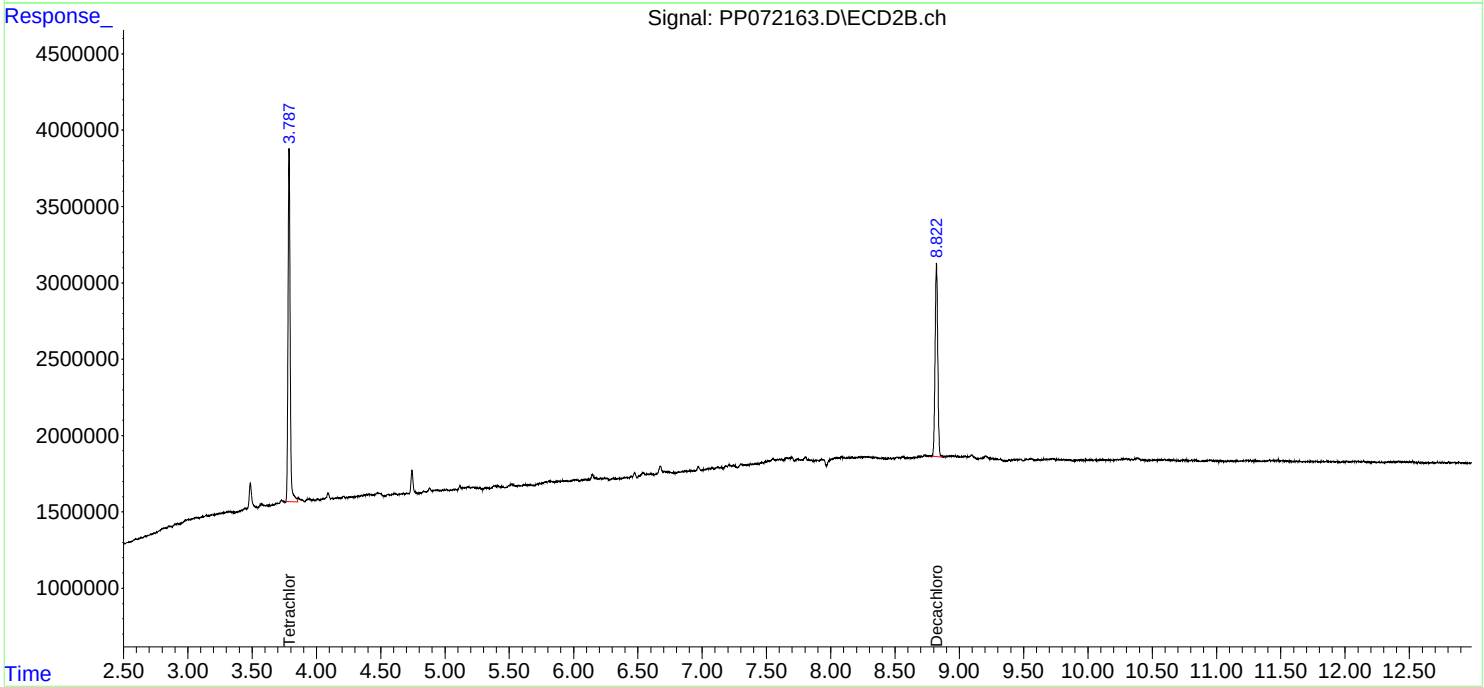
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

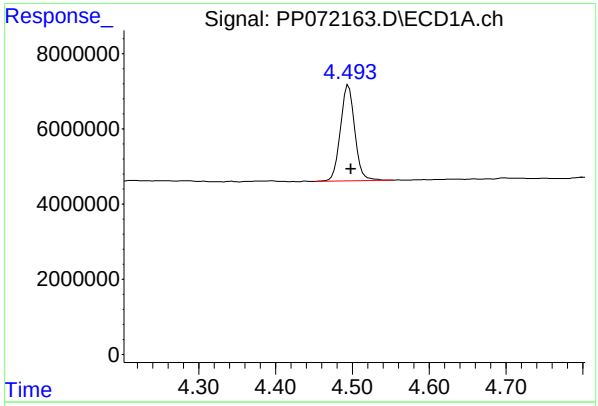
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



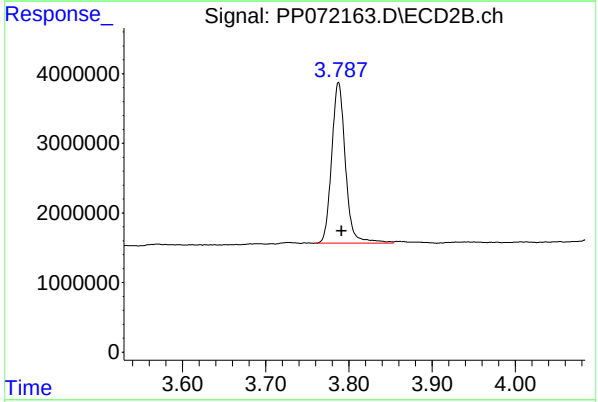




#1 Tetrachloro-m-xylene

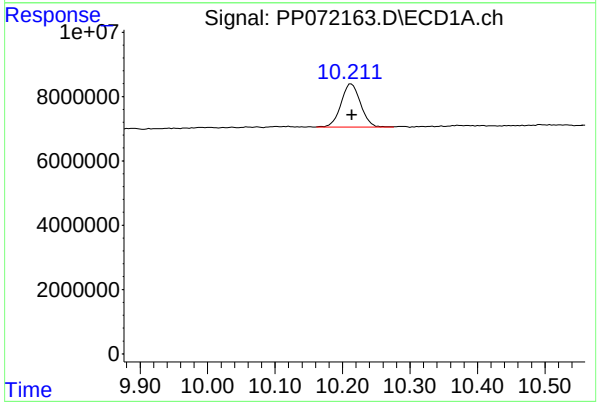
R.T.: 4.495 min
Delta R.T.: -0.003 min
Response: 32787184
Conc: 16.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



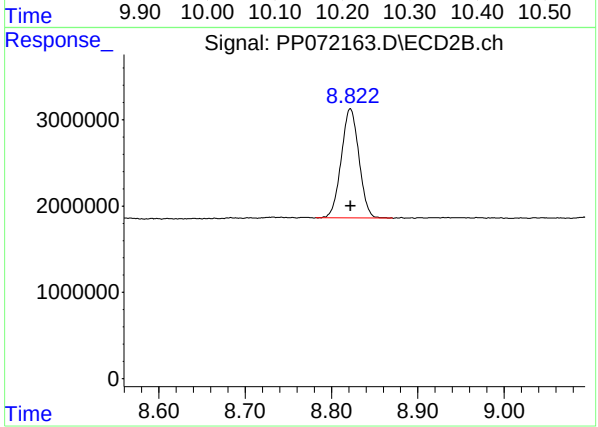
#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.004 min
Response: 26552565
Conc: 16.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 27208113
Conc: 16.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 18027788
Conc: 17.03 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/23/25
Project:	NJ Soil PT	Date Received:	05/23/25
Client Sample ID:	PIBLK-PP072312.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072312.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072312.D	1		05/23/25	pp052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		60 - 140	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 140	101%	SPK: 20

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_P\Data\PP052325\
Data File : PP072312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:33
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 13:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.797	37096268	31609541	18.449	19.776
2)	SA Decachlor...	10.210	8.820	33026893	22971723	20.273	21.700
	Target Compounds						

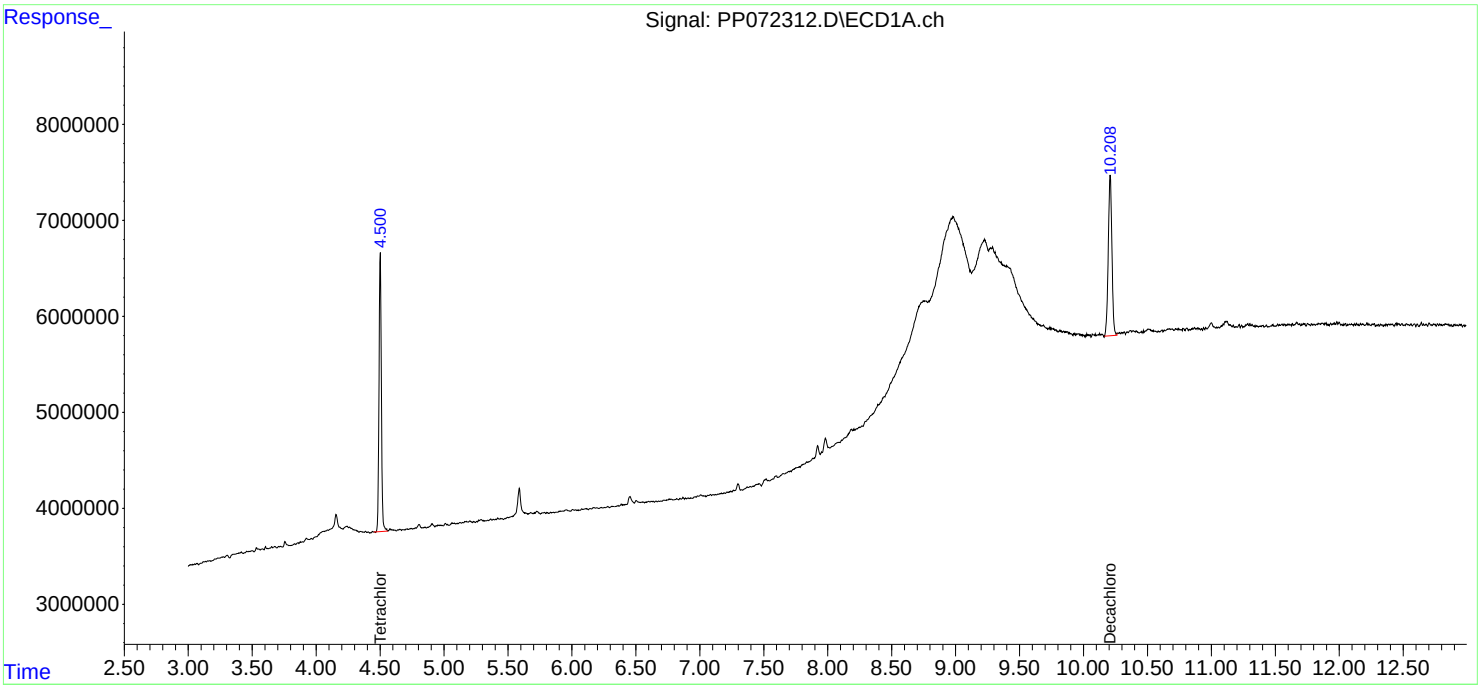
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

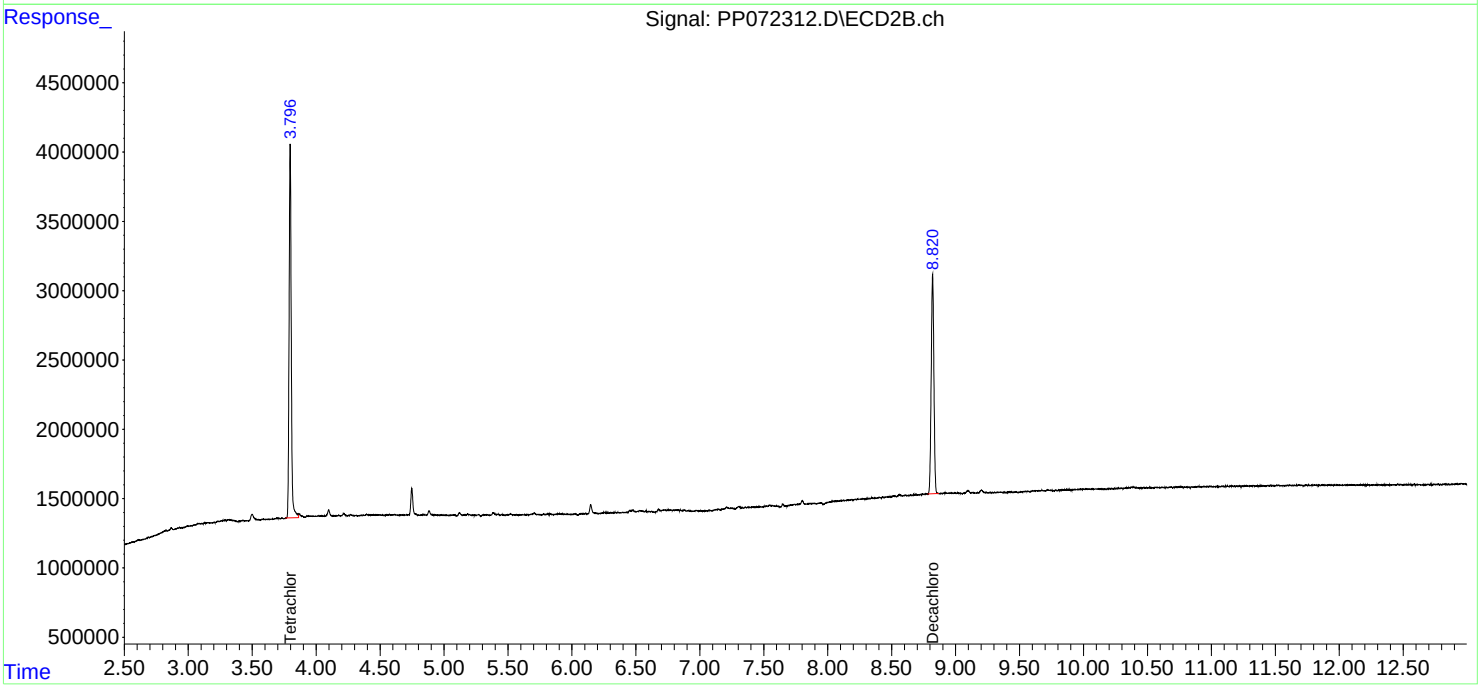
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 13:33
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

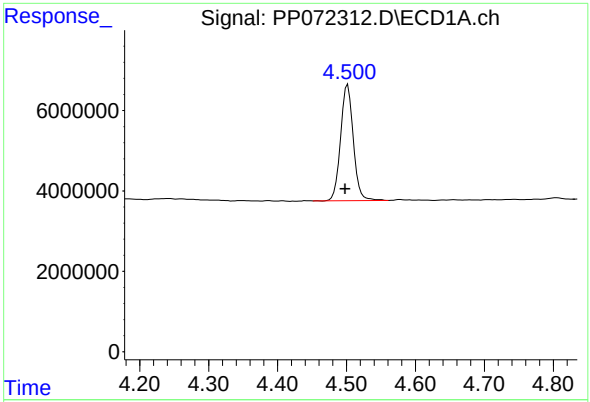
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 13:44:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



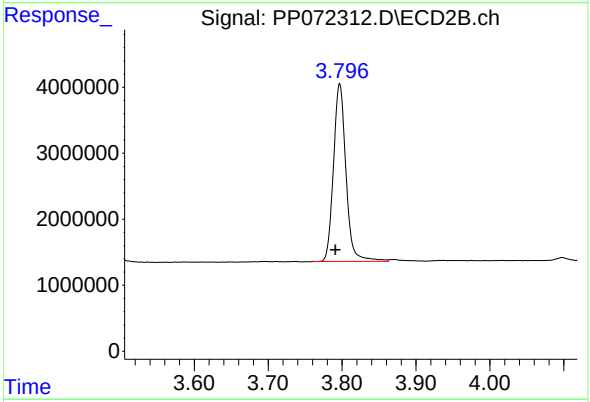




#1 Tetrachloro-m-xylene

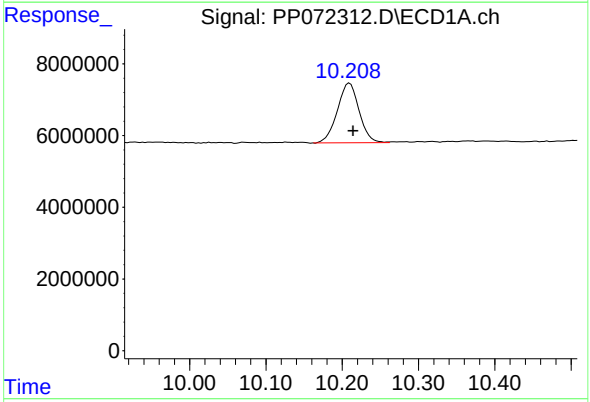
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 37096268
Conc: 18.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



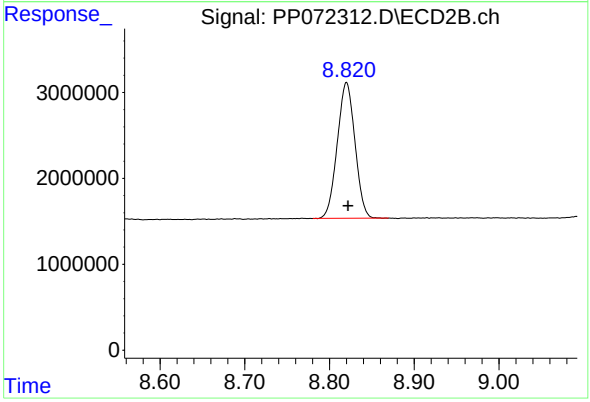
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 31609541
Conc: 19.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.004 min
Response: 33026893
Conc: 20.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 22971723
Conc: 21.70 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/23/25
Project:	NJ Soil PT	Date Received:	05/23/25
Client Sample ID:	PIBLK-PP072326.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072326.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072326.D	1		05/23/25	pp052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		60 - 140	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		60 - 140	85%	SPK: 20

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_P\Data\PP052325\
Data File : PP072326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 18:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:36:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.499	3.797	35801269	31167260	17.804	19.500
2)	SA Decachlor...	10.205	8.820	27700043	20334601	17.003	19.209
	Target Compounds						

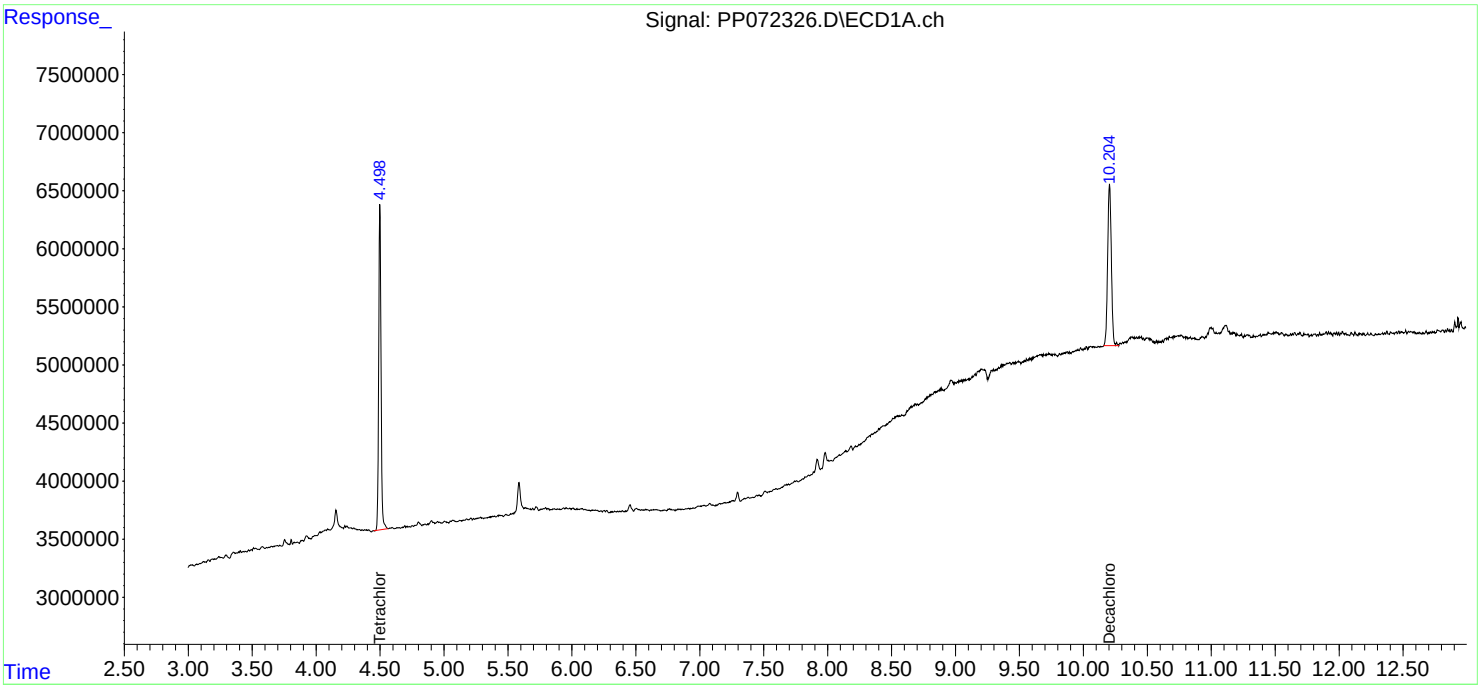
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

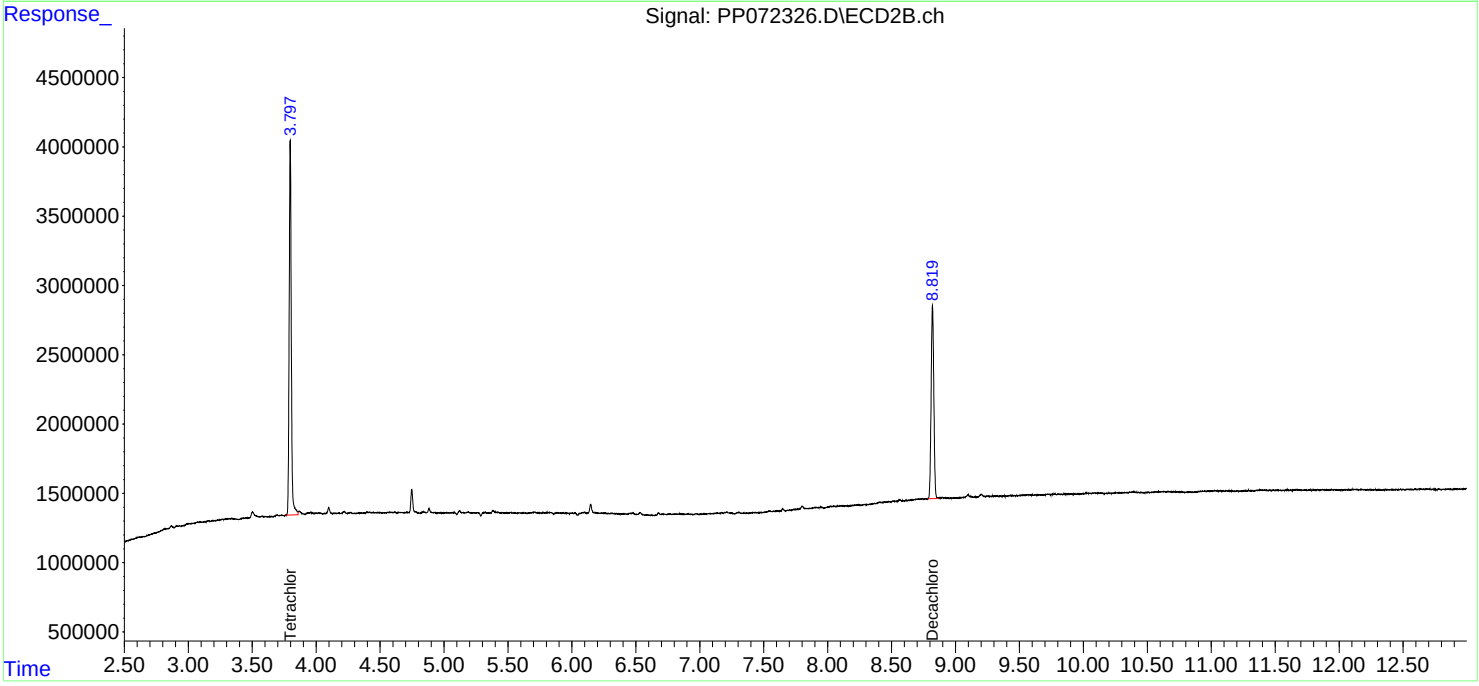
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 18:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

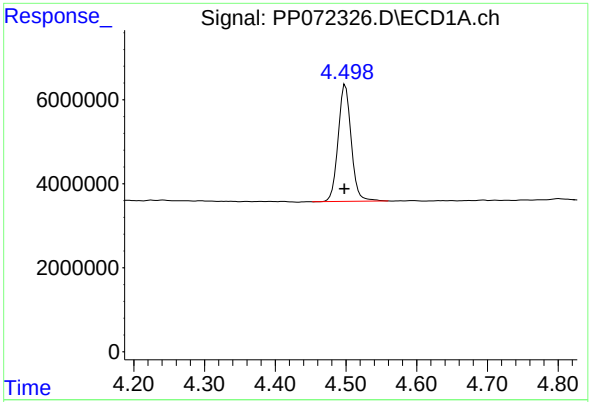
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:36:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



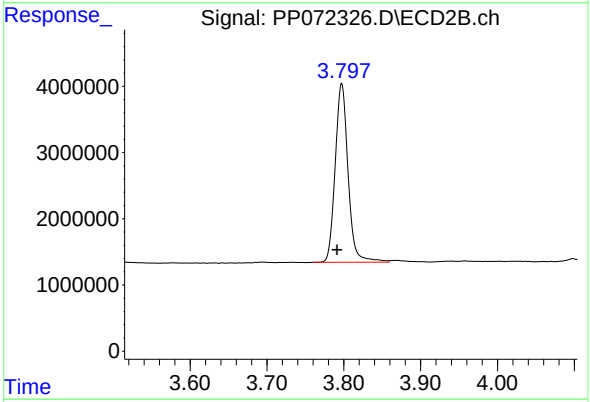




#1 Tetrachloro-m-xylene

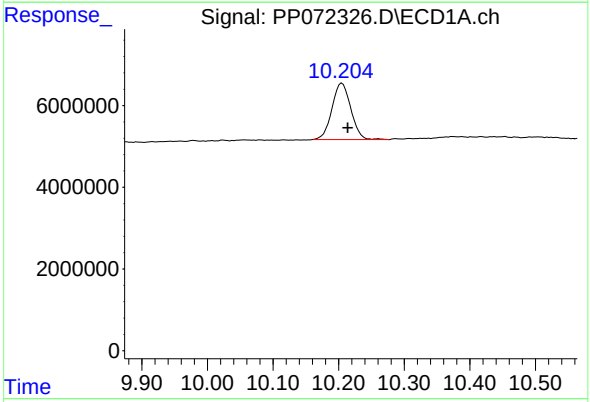
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 35801269
Conc: 17.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



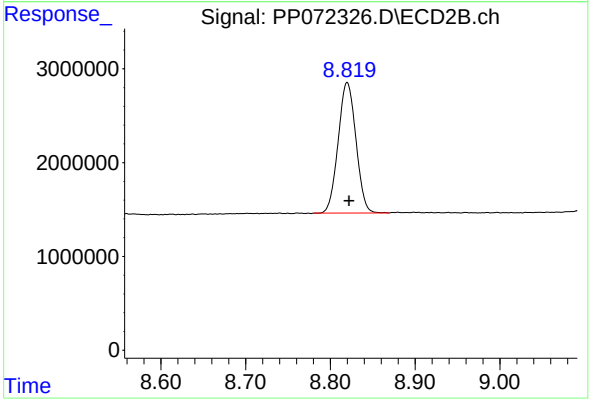
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 31167260
Conc: 19.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.009 min
Response: 27700043
Conc: 17.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 20334601
Conc: 19.21 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/23/25
Project:	NJ Soil PT	Date Received:	05/23/25
Client Sample ID:	PIBLK-PP072340.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072340.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072340.D	1		05/23/25	PP052425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		60 - 140	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		60 - 140	88%	SPK: 20

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_P\Data\PP052425\
Data File : PP072340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 23:54
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:42:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.499	3.797	35566142	30183004	17.688	18.884
2)	SA Decachlor...	10.203	8.817	28782922	21847645	17.668	20.638
	Target Compounds						

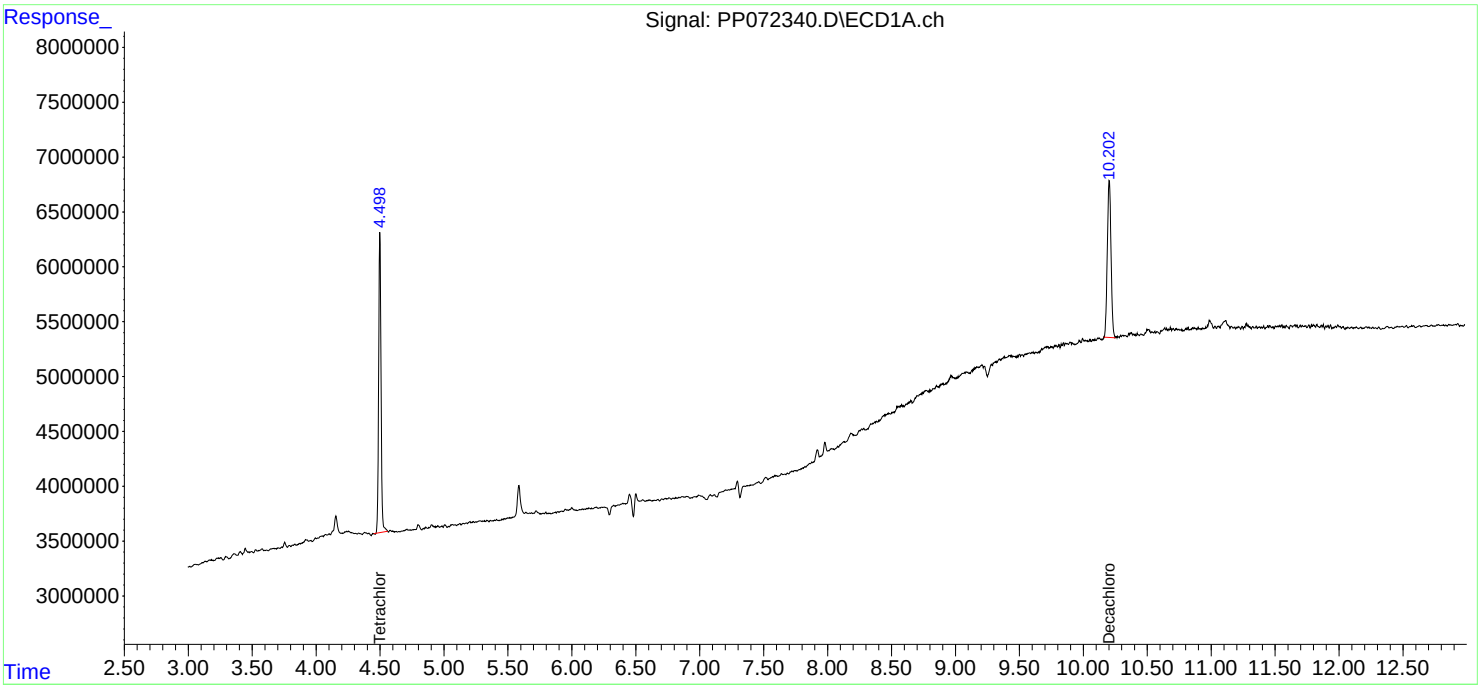
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

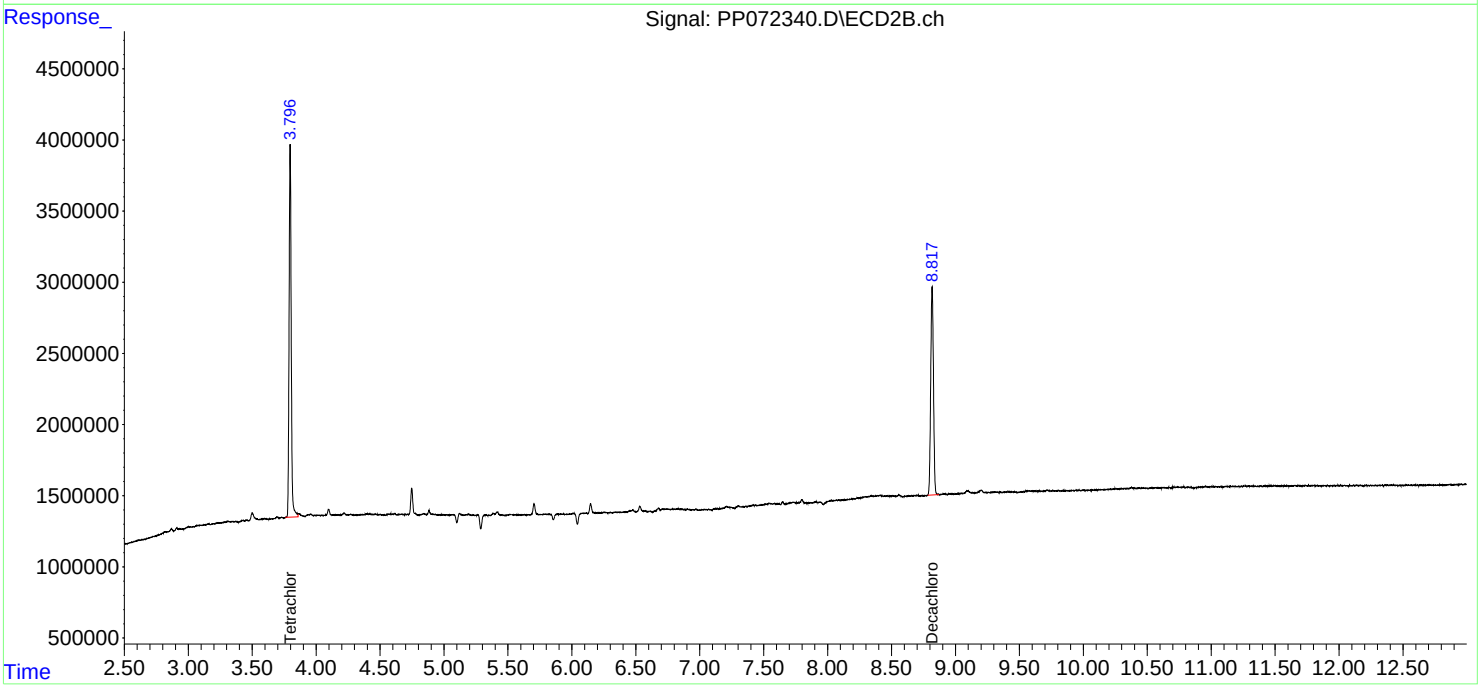
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 23:54
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

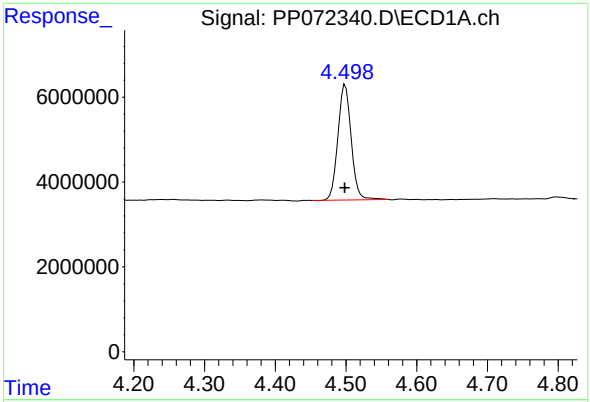
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 03:42:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



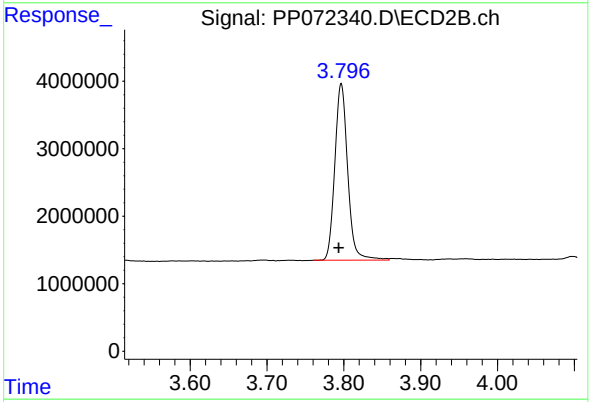




#1 Tetrachloro-m-xylene

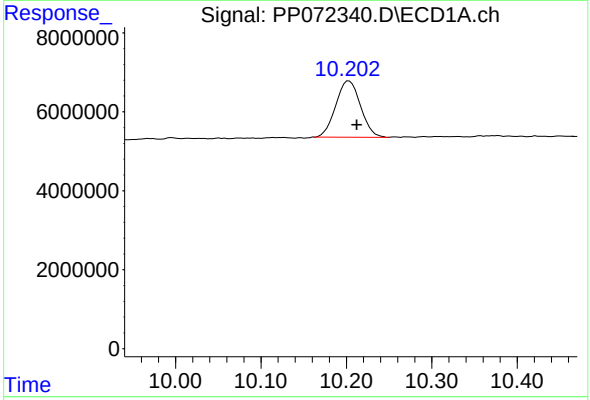
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 35566142
Conc: 17.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



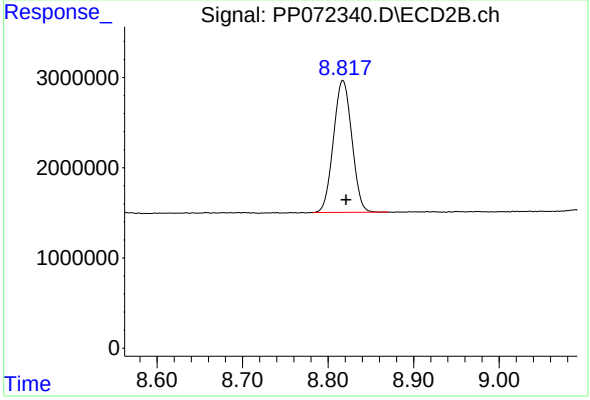
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.003 min
Response: 30183004
Conc: 18.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.203 min
Delta R.T.: -0.009 min
Response: 28782922
Conc: 17.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 21847645
Conc: 20.64 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/24/25
Project:	NJ Soil PT	Date Received:	05/24/25
Client Sample ID:	PIBLK-PP072349.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072349.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072349.D	1		05/24/25	PP052425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		60 - 140	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		60 - 140	77%	SPK: 20

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_P\Data\PP052425\
Data File : PP072349.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 03:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:04:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.797	30695654	26517759	15.265	16.591
2)	SA Decachlor...	10.205	8.818	25151333	19653608	15.439	18.566
	Target Compounds						

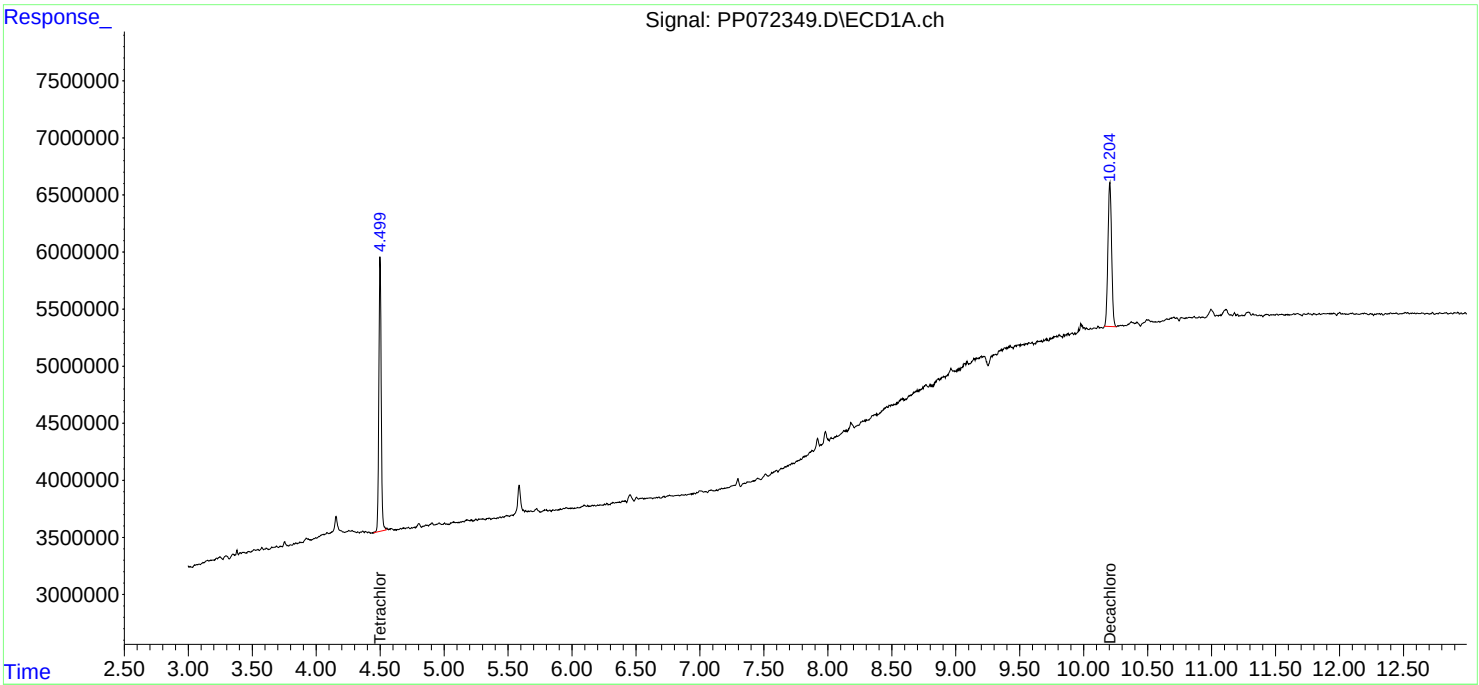
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

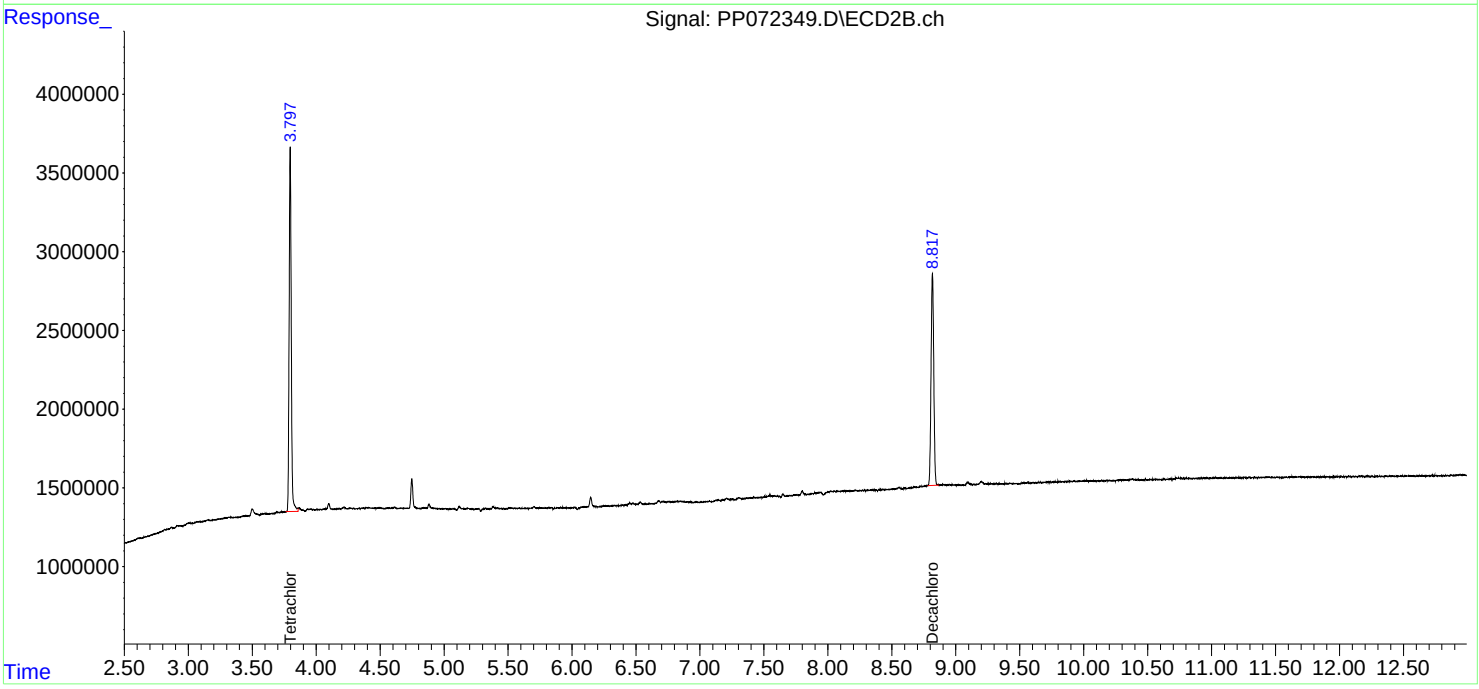
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072349.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 03:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

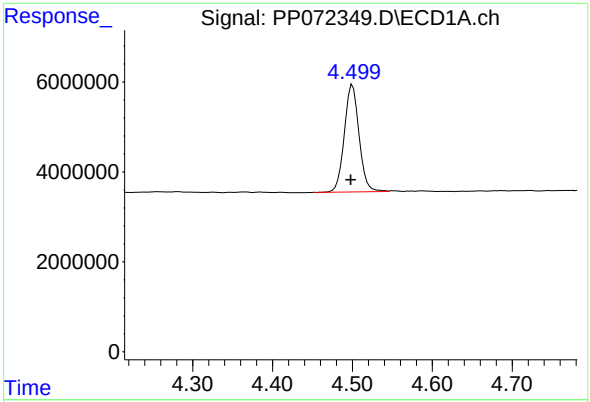
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:04:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



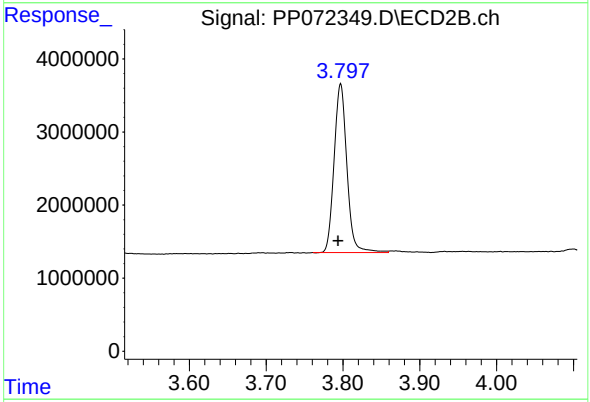




#1 Tetrachloro-m-xylene

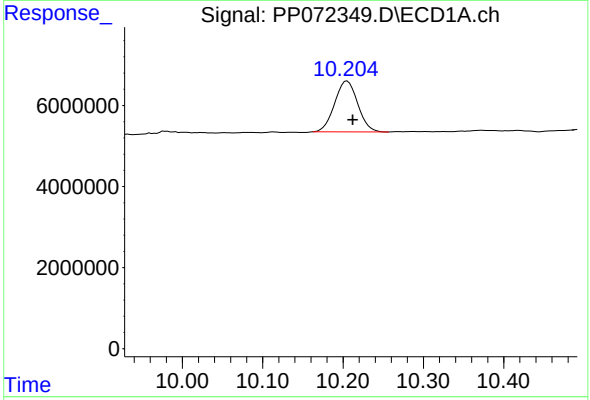
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 30695654
Conc: 15.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



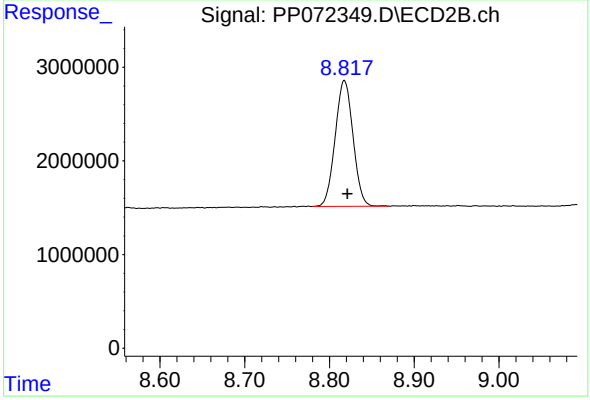
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.003 min
Response: 26517759
Conc: 16.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.007 min
Response: 25151333
Conc: 15.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 19653608
Conc: 18.57 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/24/25
Project:	NJ Soil PT	Date Received:	05/24/25
Client Sample ID:	PIBLK-PP072358.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072358.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072358.D	1		05/24/25	PP052425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		60 - 140	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		60 - 140	79%	SPK: 20

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_P\Data\PP052425\
Data File : PP072358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:10:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.796	30784309	26322547	15.309	16.468
2)	SA Decachlor...	10.205	8.817	25825671	19416648	15.852	18.342
	Target Compounds						

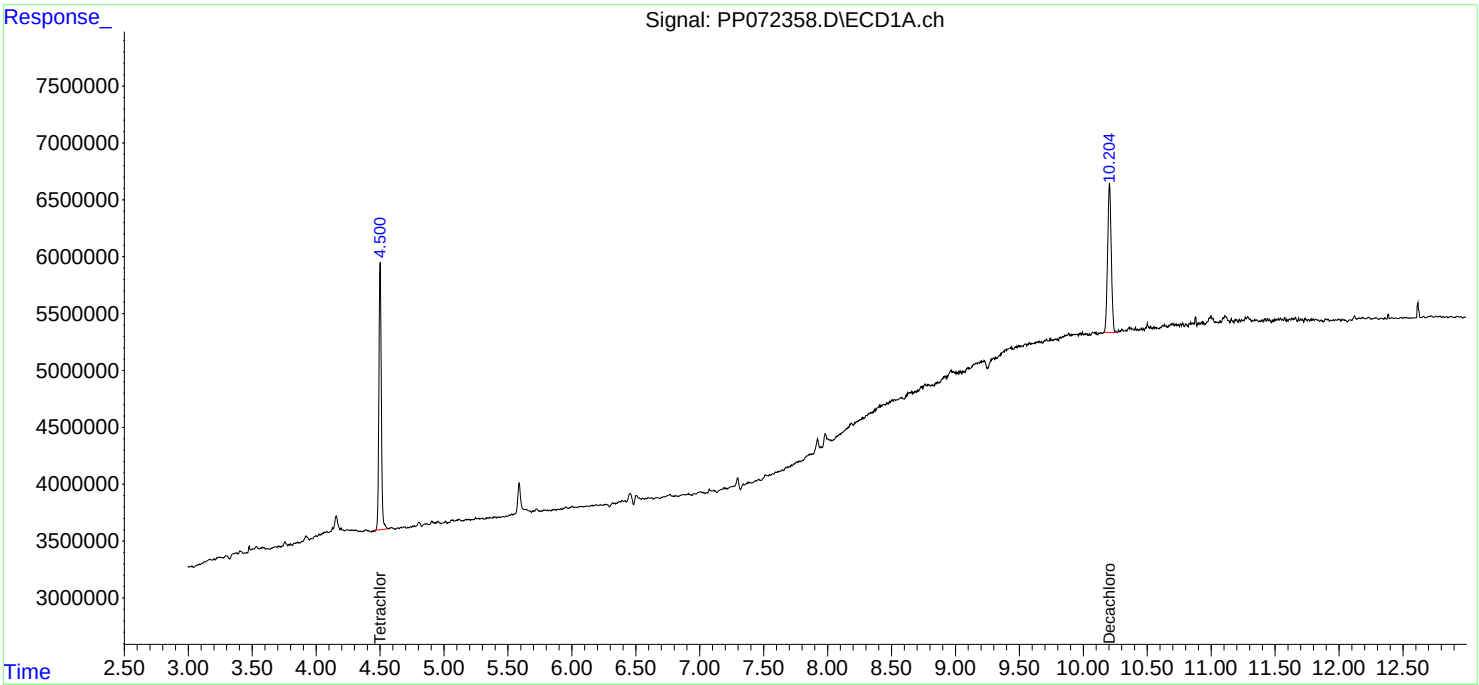
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

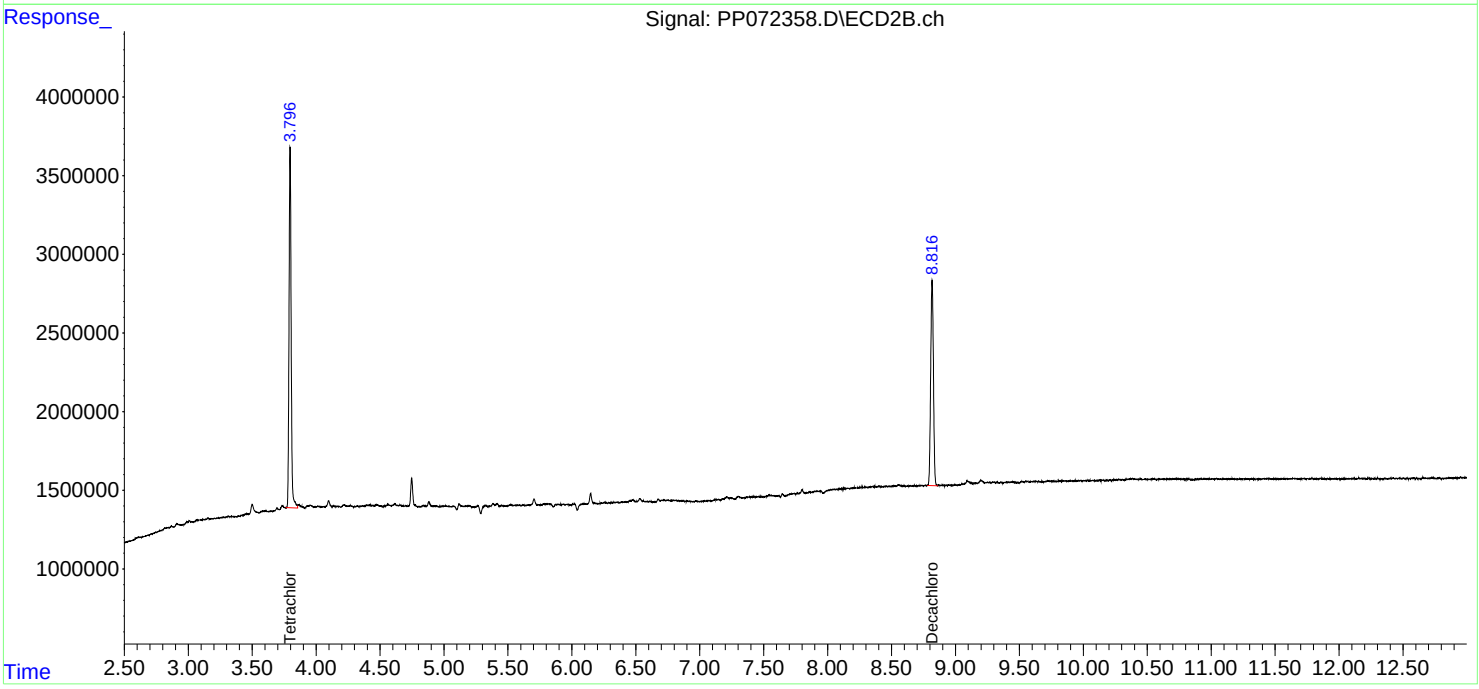
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052425\
Data File : PP072358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 May 2025 06:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 50 Sample Multiplier: 1

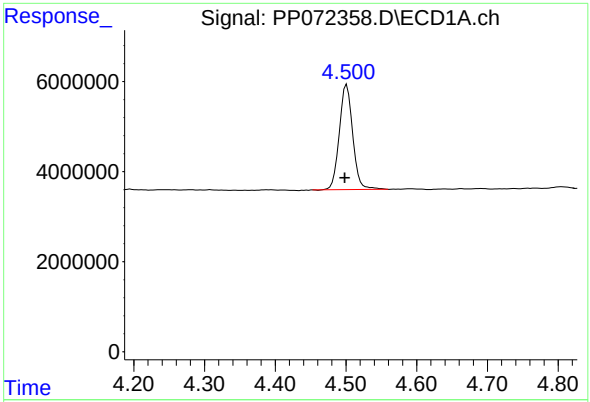
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 24 07:10:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



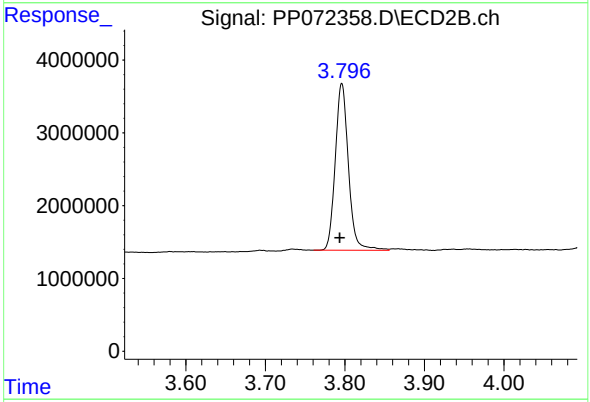




#1 Tetrachloro-m-xylene

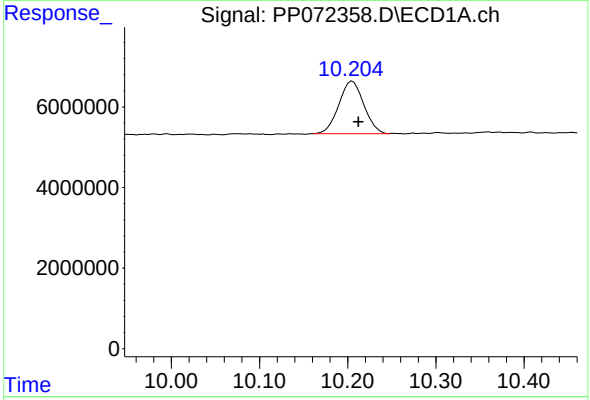
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 30784309
Conc: 15.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



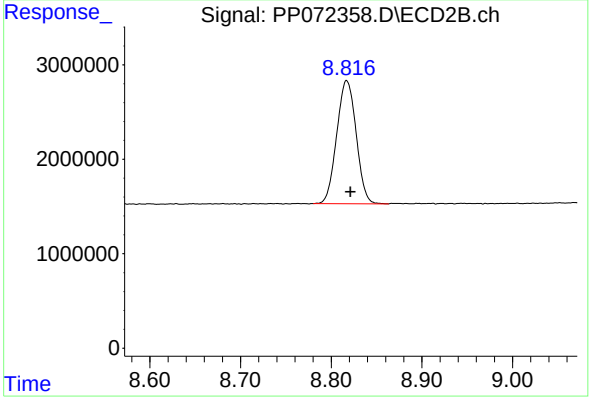
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 26322547
Conc: 16.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.205 min
Delta R.T.: -0.007 min
Response: 25825671
Conc: 15.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 19416648
Conc: 18.34 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/28/25
Project:	NJ Soil PT	Date Received:	05/28/25
Client Sample ID:	PIBLK-PP072410.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072410.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072410.D	1		05/28/25	pp052825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.7		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140	90%	SPK: 20

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_P\Data\PP052825\
Data File : PP072410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.498	3.796	33641259	29188706	16.730	18.262
2)	SA Decachlor...	10.196	8.812	29401018	21519032	18.047m	20.328
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

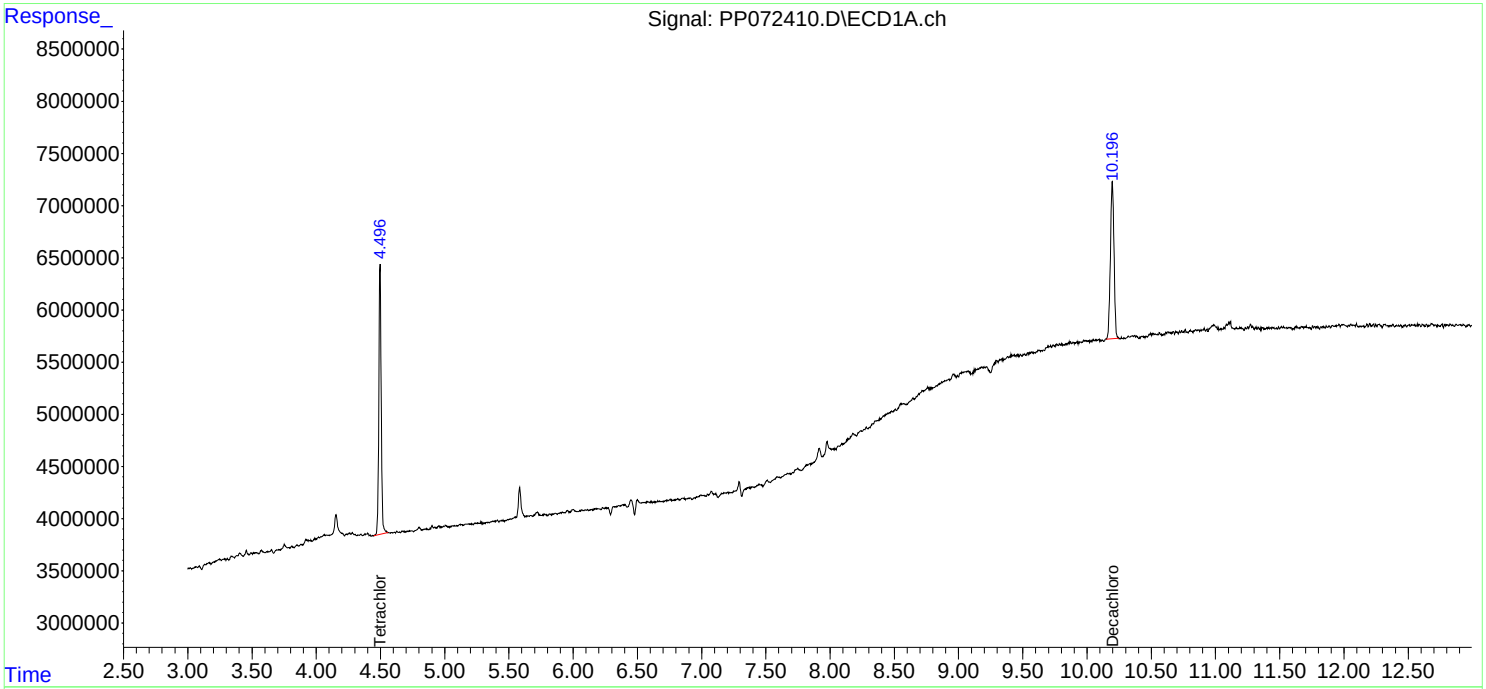
Instrument :
ECD_P
ClientSampleId :
I.BLK

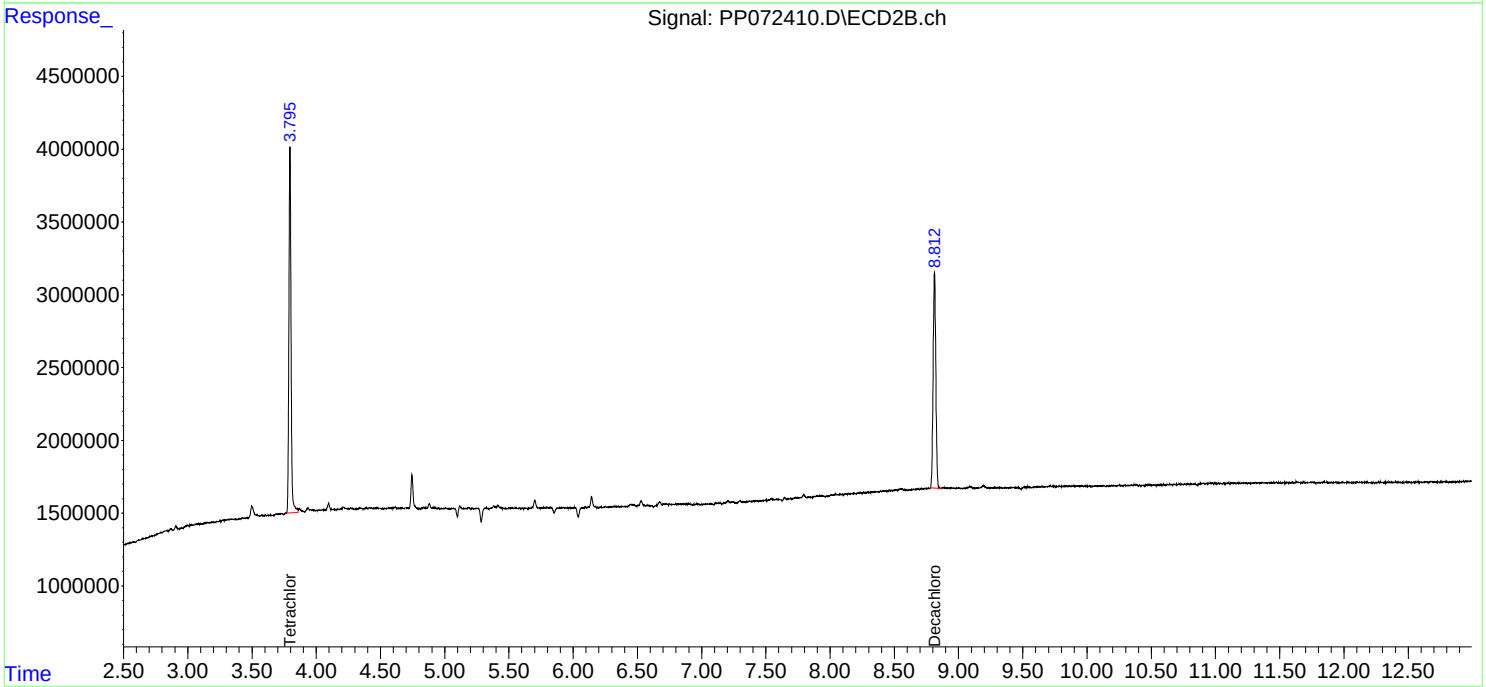
Manual Integrations APPROVED

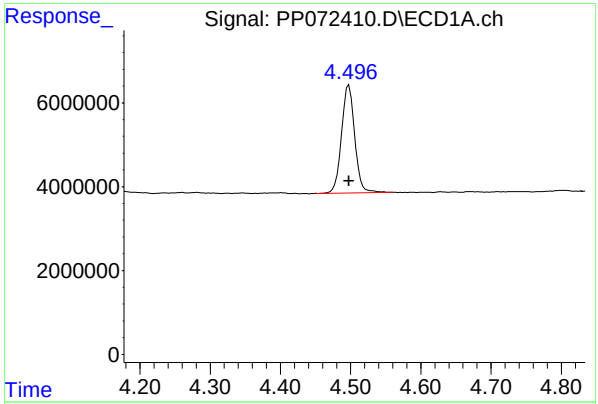
Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







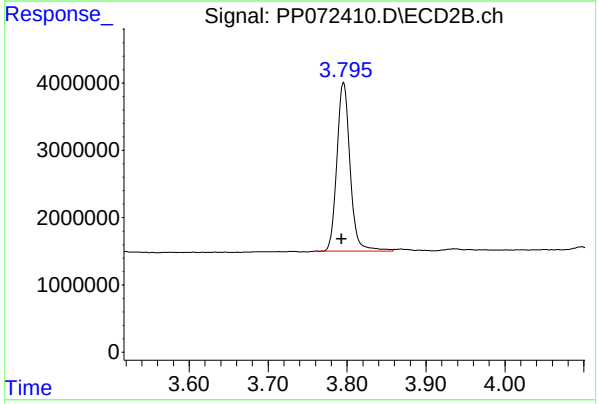
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 mi
Response: 33641259
Conc: 16.73 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK

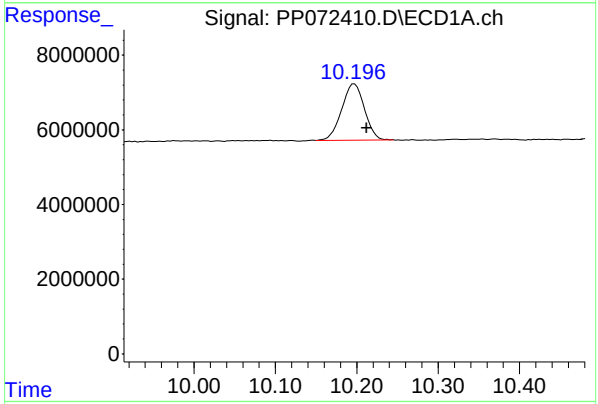
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



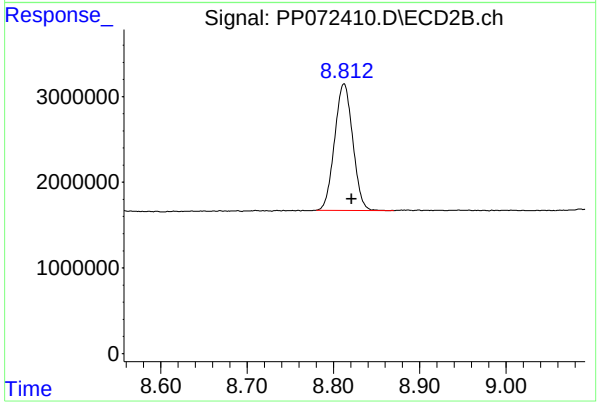
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 29188706
Conc: 18.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.016 min
Response: 29401018
Conc: 18.05 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 21519032
Conc: 20.33 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/28/25
Project:	NJ Soil PT	Date Received:	05/28/25
Client Sample ID:	PIBLK-PP072423.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PP072423.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072423.D	1		05/28/25	pp052825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.8		60 - 140	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		60 - 140	85%	SPK: 20

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_P\Data\PP052825\
Data File : PP072423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 22:03
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.499	3.794	31768758	25594473	15.799	16.013
2)	SA Decachlor...	10.200	8.812	27670290	20137364	16.985	19.023
	Target Compounds						

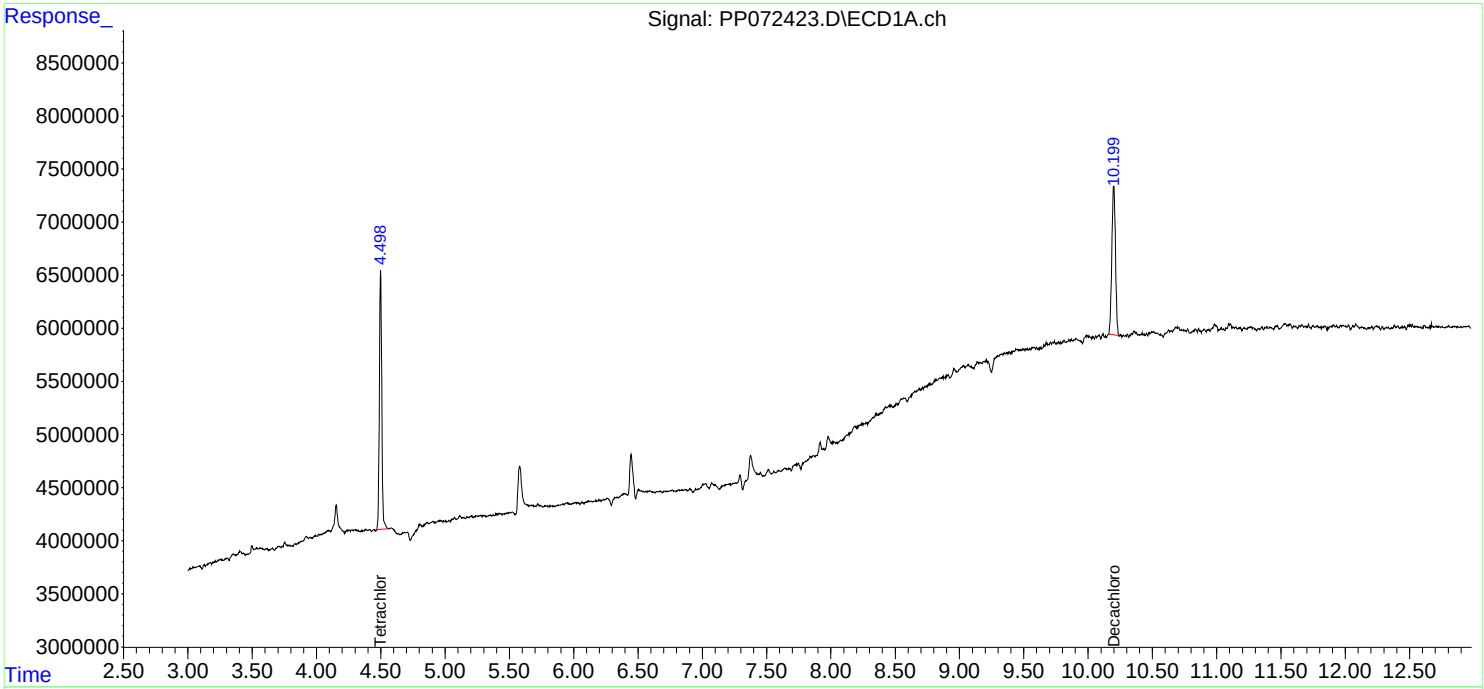
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

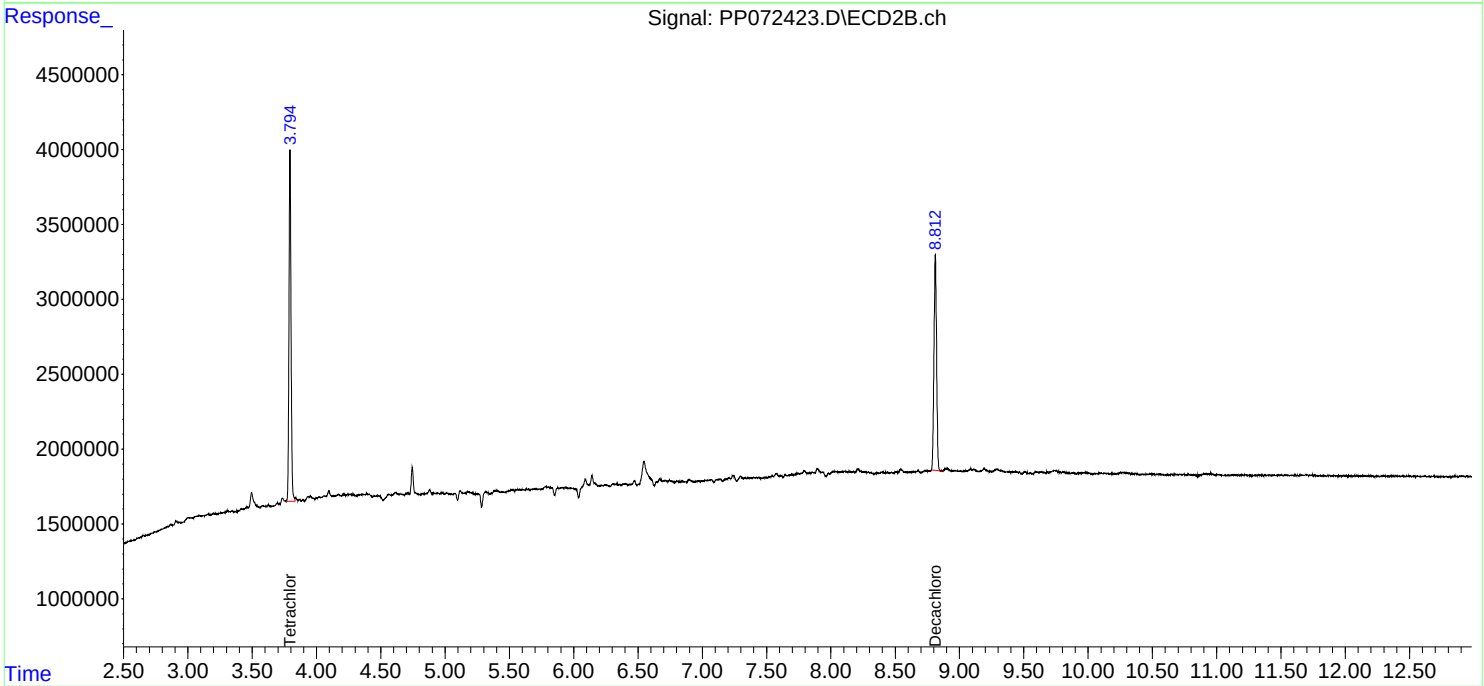
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 22:03
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

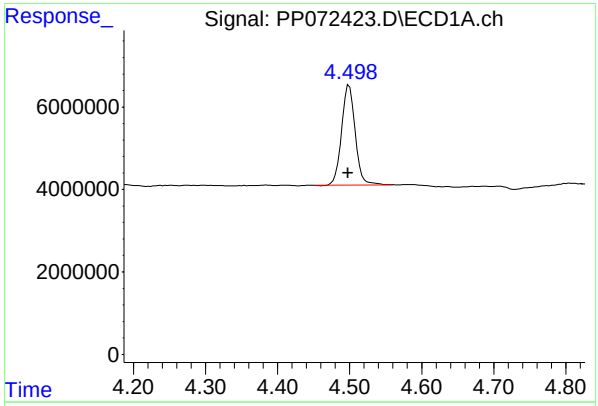
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



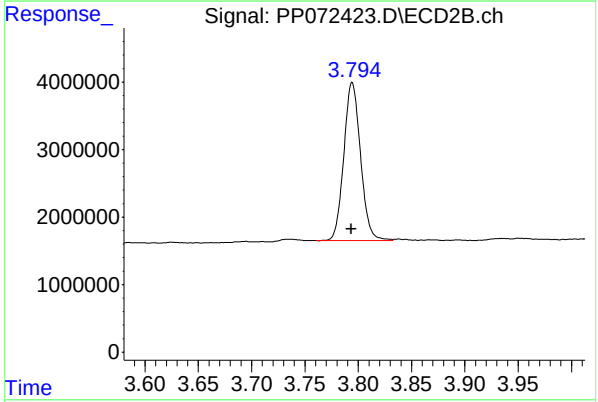




#1 Tetrachloro-m-xylene

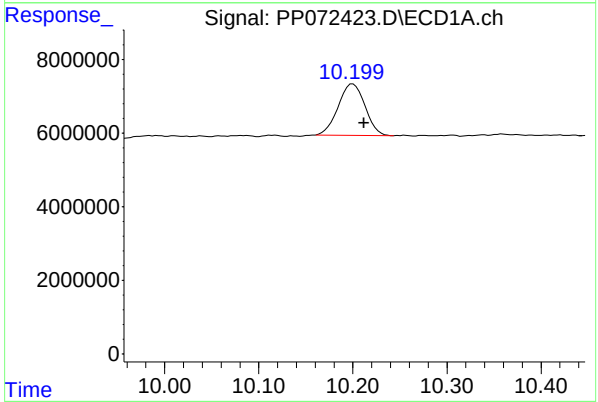
R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 31768758
Conc: 15.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



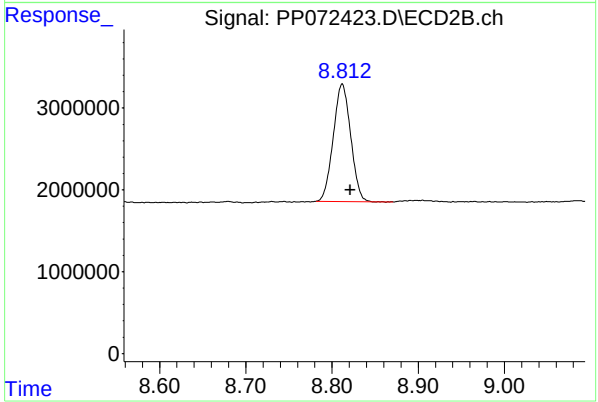
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 25594473
Conc: 16.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 27670290
Conc: 16.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 20137364
Conc: 19.02 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168149BS	SDG No.:	Q1872
Lab Sample ID:	PB168149BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072314.D	1	05/23/25 09:18	05/23/25 14:06	PB168149

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	125		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	135		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.4		32 - 175	122%	SPK: 20

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_P\Data\PP052325\
Data File : PP072314.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 14:06
Operator : YP\AJ
Sample : PB168149BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168149BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:27:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	43301897	33870835	21.535	21.191
2)	SA Decachlor...	10.207	8.820	36911842	25799512	22.657	24.371
	Target Compounds						
3)	L1 AR-1016-1	5.654	4.880	26716298	22927003	355.820	373.224
4)	L1 AR-1016-2	5.676	4.898	40254961	33014768	376.244	376.068
5)	L1 AR-1016-3	5.738	5.075	24274745	18215515	370.240	382.241
6)	L1 AR-1016-4	5.836	5.116	20520025	14622734	385.208	384.350
7)	L1 AR-1016-5	6.128	5.331	18238095	18279418	372.897	366.877
31)	L7 AR-1260-1	7.246	6.364	37003969	34105535	395.364	427.636
32)	L7 AR-1260-2	7.499	6.553	56102746	40906480	390.988	403.329
33)	L7 AR-1260-3	7.858	6.705	38626973	37445593	339.218	430.893 #
34)	L7 AR-1260-4	8.082	7.175	39762590	28022617	370.565	388.712
35)	L7 AR-1260-5	8.401	7.417	85534601	65689919	361.421	378.346

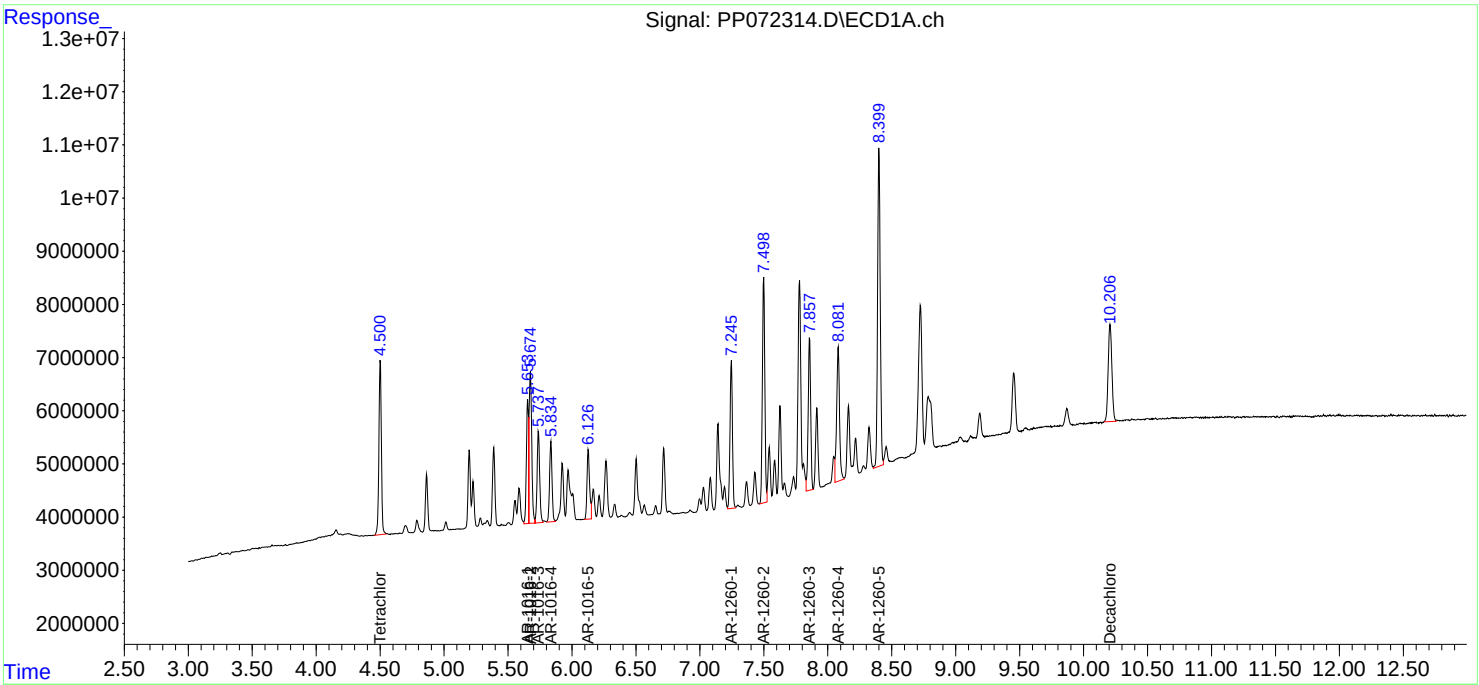
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

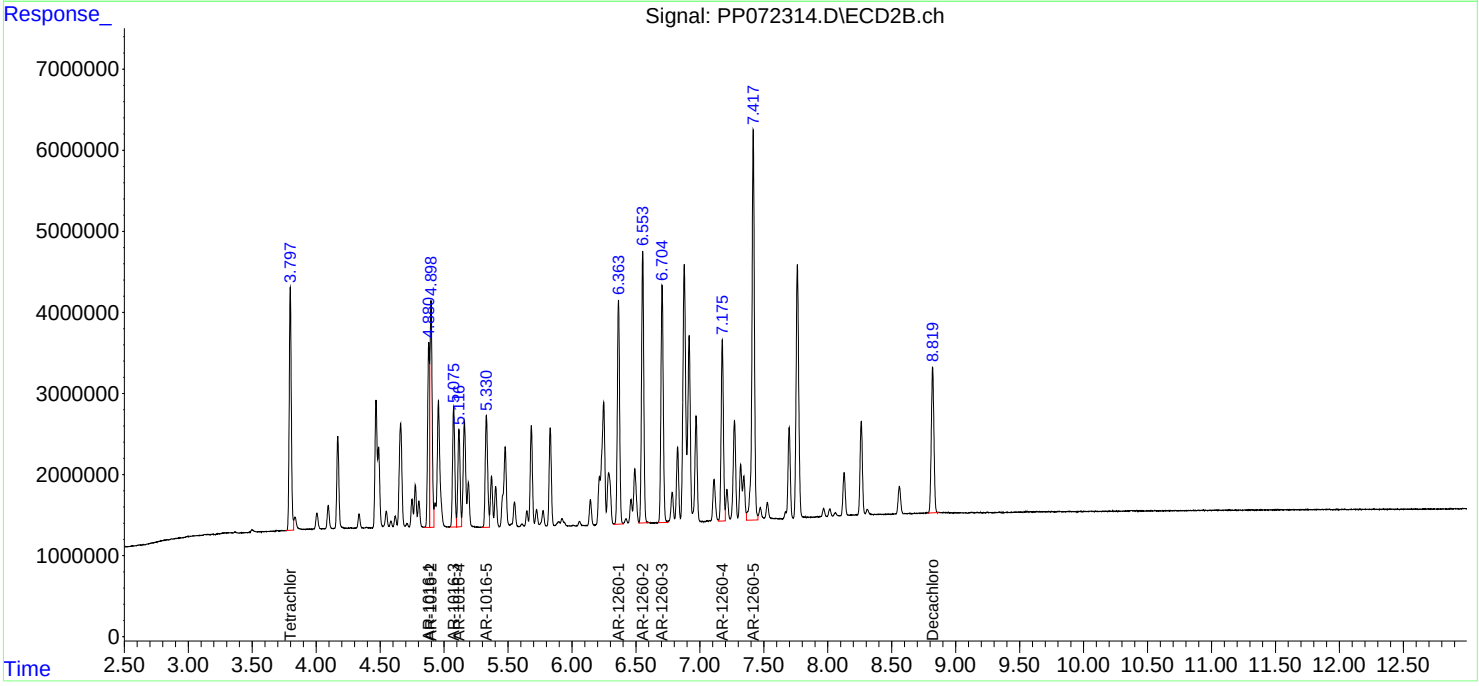
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072314.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 14:06
Operator : YP\AJ
Sample : PB168149BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

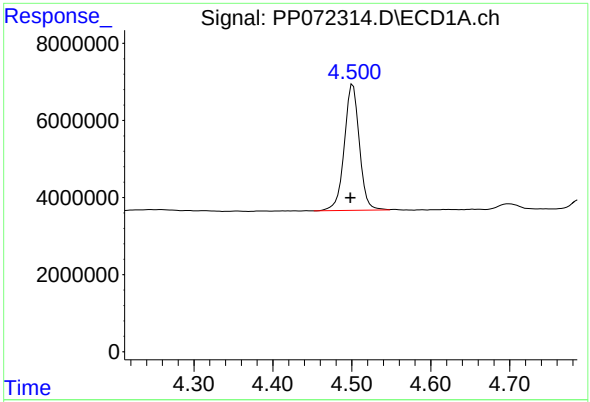
Instrument :
ECD_P
ClientSampleId :
PB168149BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 14:27:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



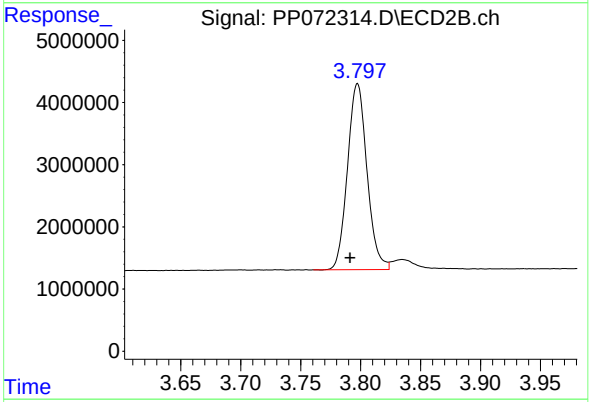




#1 Tetrachloro-m-xylene

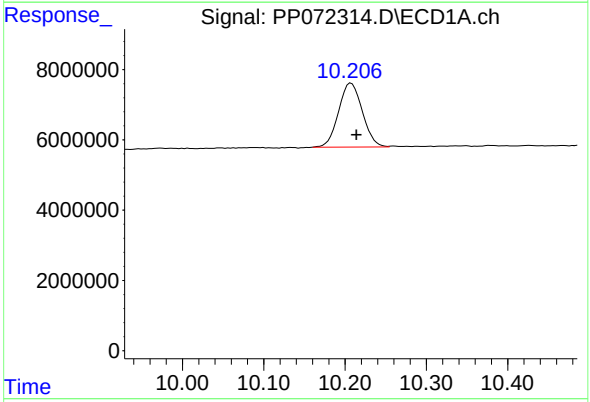
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 43301897
Conc: 21.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168149BS



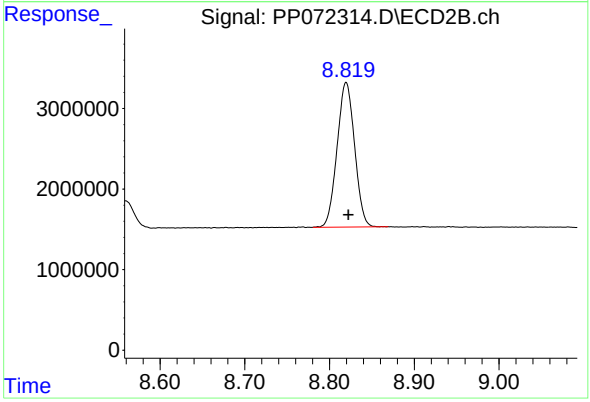
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 33870835
Conc: 21.19 ng/ml



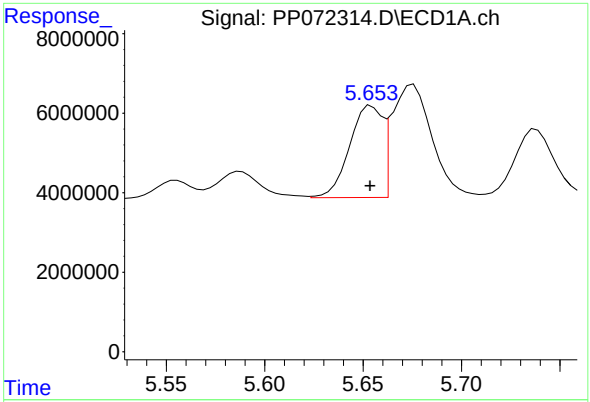
#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: -0.007 min
Response: 36911842
Conc: 22.66 ng/ml



#2 Decachlorobiphenyl

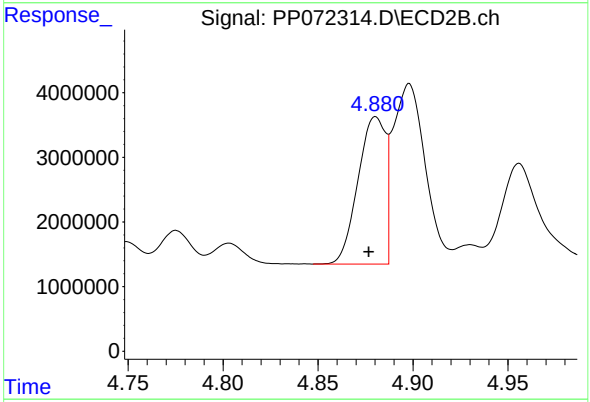
R.T.: 8.820 min
Delta R.T.: -0.002 min
Response: 25799512
Conc: 24.37 ng/ml



#3 AR-1016-1

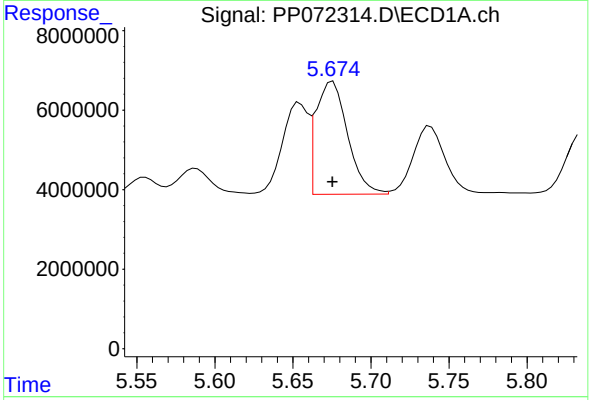
R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 26716298
Conc: 355.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168149BS



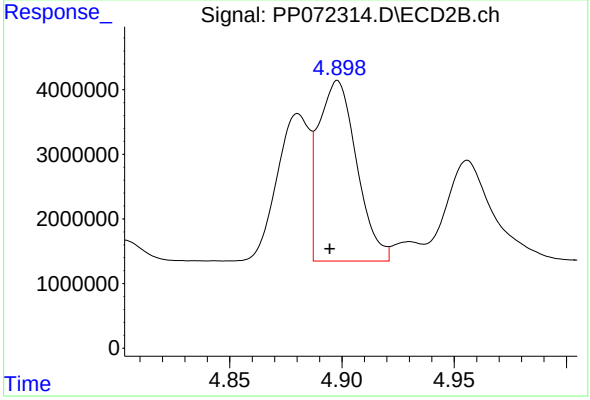
#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.004 min
Response: 22927003
Conc: 373.22 ng/ml



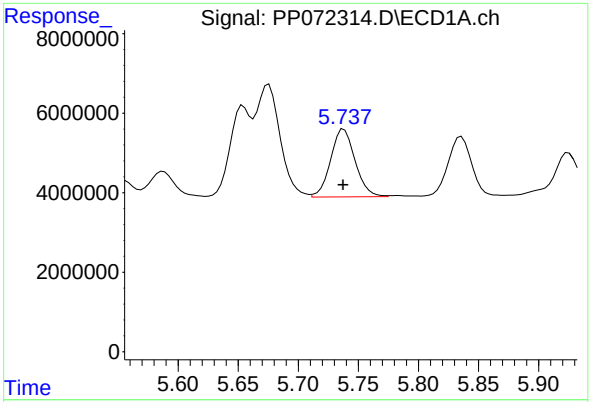
#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 40254961
Conc: 376.24 ng/ml



#4 AR-1016-2

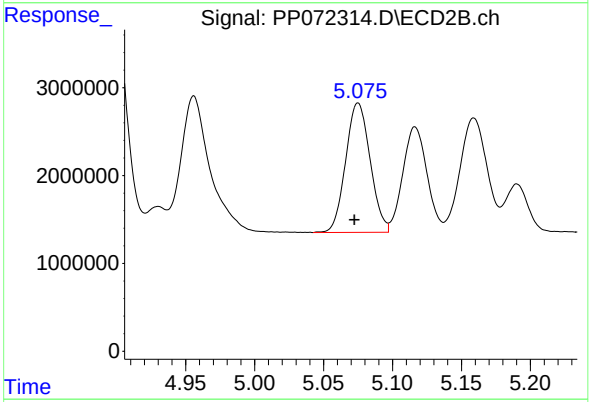
R.T.: 4.898 min
Delta R.T.: 0.003 min
Response: 33014768
Conc: 376.07 ng/ml



#5 AR-1016-3

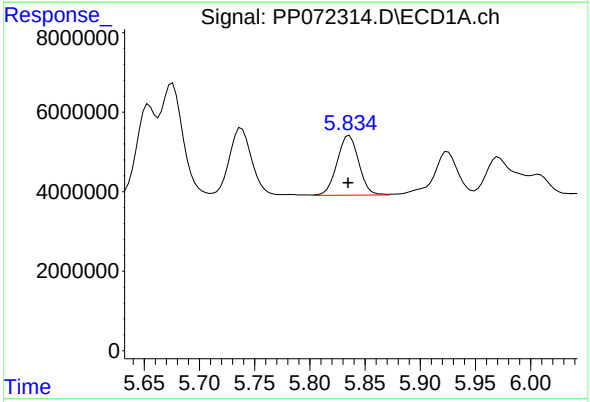
R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 24274745
Conc: 370.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168149BS



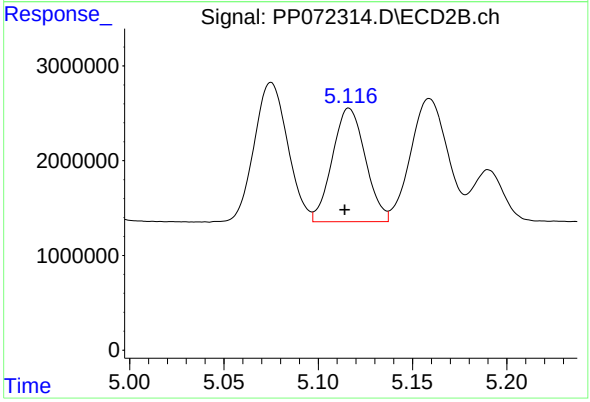
#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 18215515
Conc: 382.24 ng/ml



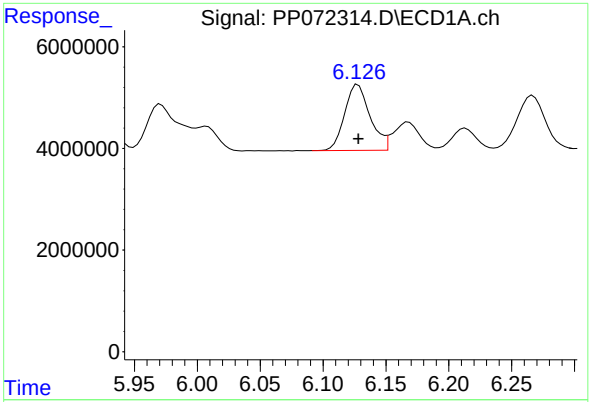
#6 AR-1016-4

R.T.: 5.836 min
Delta R.T.: 0.001 min
Response: 20520025
Conc: 385.21 ng/ml



#6 AR-1016-4

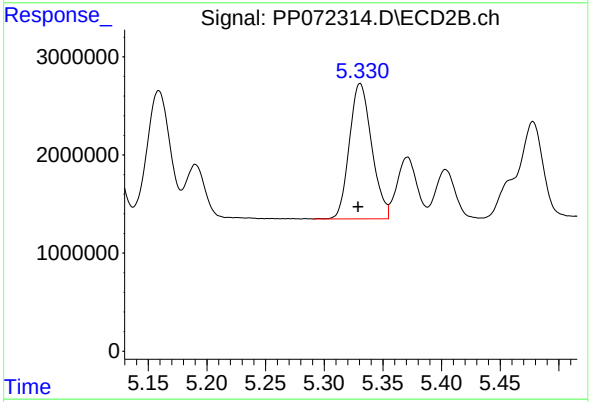
R.T.: 5.116 min
Delta R.T.: 0.002 min
Response: 14622734
Conc: 384.35 ng/ml



#7 AR-1016-5

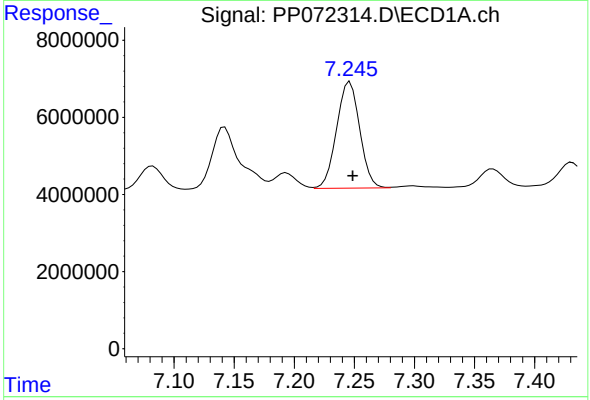
R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 18238095
Conc: 372.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168149BS



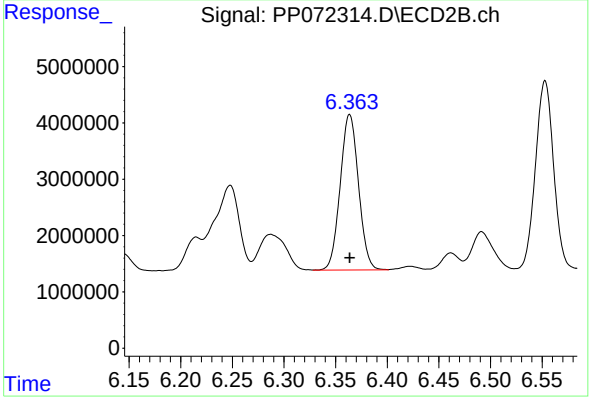
#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.002 min
Response: 18279418
Conc: 366.88 ng/ml



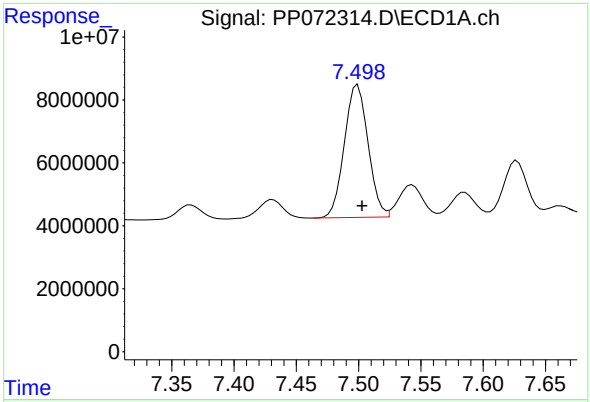
#31 AR-1260-1

R.T.: 7.246 min
Delta R.T.: -0.002 min
Response: 37003969
Conc: 395.36 ng/ml



#31 AR-1260-1

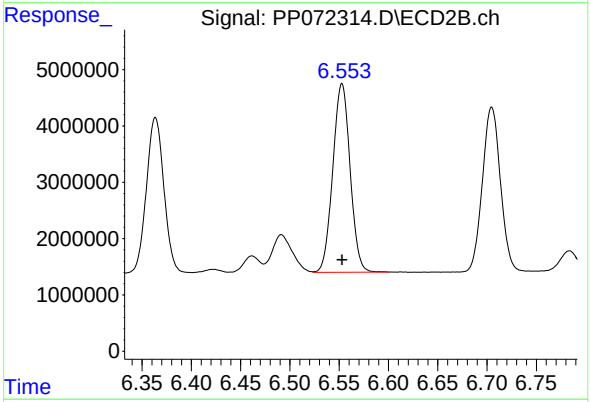
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 34105535
Conc: 427.64 ng/ml



#32 AR-1260-2

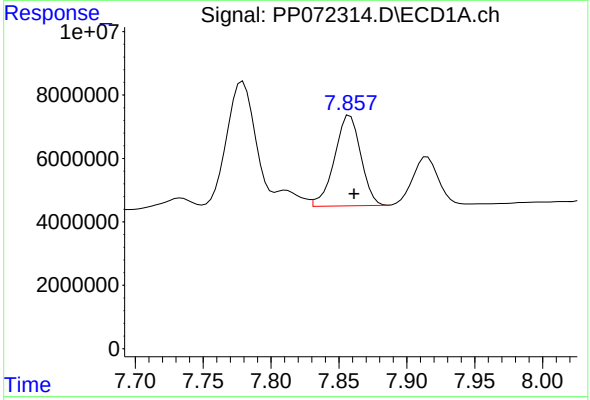
R.T.: 7.499 min
Delta R.T.: -0.003 min
Response: 56102746
Conc: 390.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168149BS



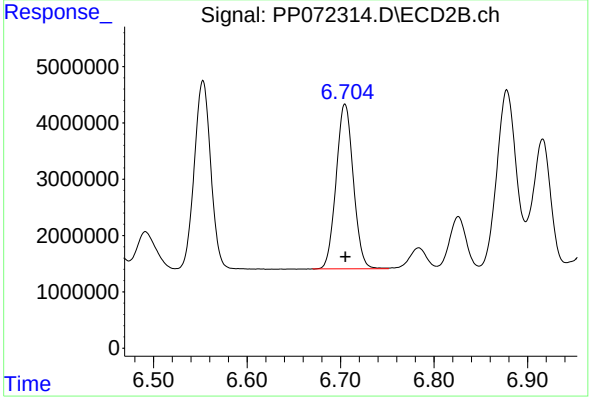
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 40906480
Conc: 403.33 ng/ml



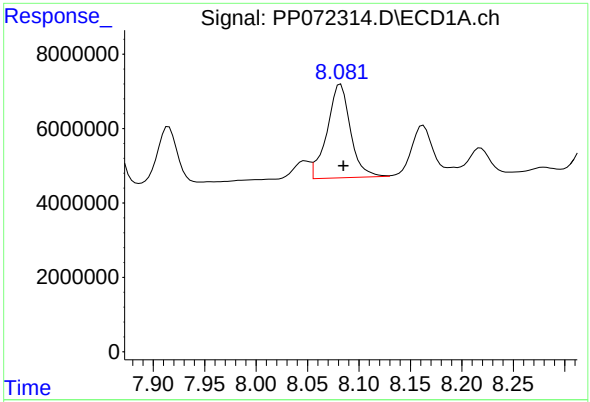
#33 AR-1260-3

R.T.: 7.858 min
Delta R.T.: -0.003 min
Response: 38626973
Conc: 339.22 ng/ml



#33 AR-1260-3

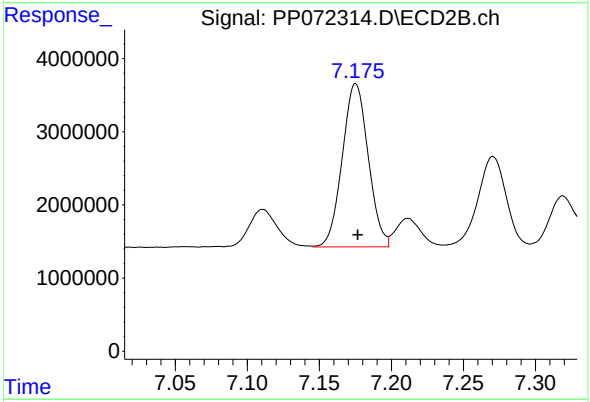
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 37445593
Conc: 430.89 ng/ml



#34 AR-1260-4

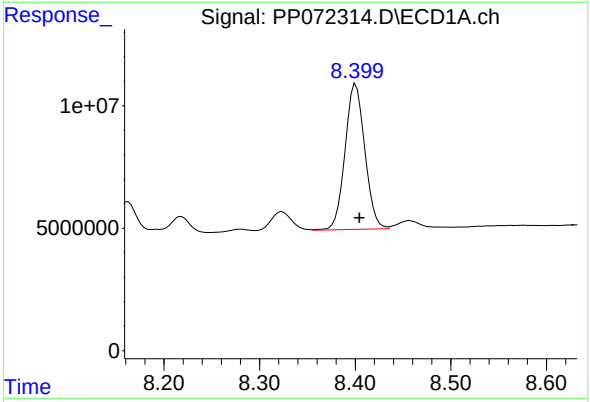
R.T.: 8.082 min
Delta R.T.: -0.003 min
Response: 39762590
Conc: 370.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168149BS



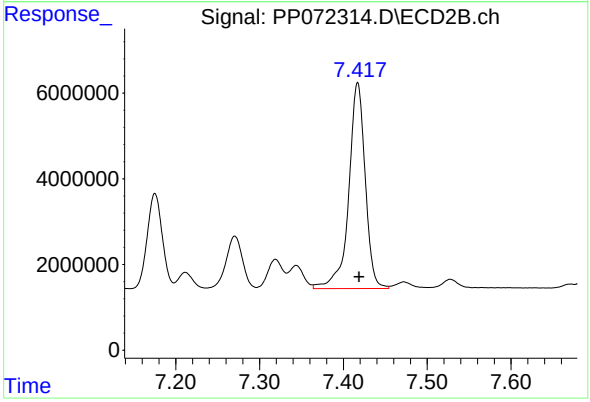
#34 AR-1260-4

R.T.: 7.175 min
Delta R.T.: -0.001 min
Response: 28022617
Conc: 388.71 ng/ml



#35 AR-1260-5

R.T.: 8.401 min
Delta R.T.: -0.004 min
Response: 85534601
Conc: 361.42 ng/ml



#35 AR-1260-5

R.T.: 7.417 min
Delta R.T.: -0.002 min
Response: 65689919
Conc: 378.35 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168154BS	SDG No.:	Q1872
Lab Sample ID:	PB168154BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072412.D	1	05/28/25 09:40	05/28/25 16:53	PB168154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3800		117	505	ug/kg
11104-28-2	Aroclor-1221	120	U	120	505	ug/kg
11141-16-5	Aroclor-1232	110	U	110	505	ug/kg
53469-21-9	Aroclor-1242	119	U	119	505	ug/kg
12672-29-6	Aroclor-1248	176	U	176	505	ug/kg
11097-69-1	Aroclor-1254	95.3	U	95.3	505	ug/kg
37324-23-5	Aroclor-1262	149	U	149	505	ug/kg
11100-14-4	Aroclor-1268	107	U	107	505	ug/kg
11096-82-5	Aroclor-1260	3800		95.9	505	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		32 - 175	115%	SPK: 20

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_P\Data\PP052825\
Data File : PP072412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:53
Operator : YP\AJ
Sample : PB168154BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168154BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.499	3.795	37769014	30675392	18.783	19.192
2)	SA Decachlor...	10.199	8.812	31987097	24320507	19.635	22.974
	Target Compounds						
3)	L1 AR-1016-1	5.651	4.876	24822390	23271883	330.596	378.839
4)	L1 AR-1016-2	5.673	4.895	38103167	33900244	356.132	386.154
5)	L1 AR-1016-3	5.735	5.071	22767170	18340802	347.246	384.870
6)	L1 AR-1016-4	5.831	5.113	19551432	14591843	367.025m	383.538
7)	L1 AR-1016-5	6.123	5.327	18159619	18355690	371.293m	368.407
31)	L7 AR-1260-1	7.242	6.359	35573991	32534439	380.085	407.936
32)	L7 AR-1260-2	7.496	6.548	52698781	39043198	367.265	384.957
33)	L7 AR-1260-3	7.854	6.699	37419179	35631777	328.611	410.021
34)	L7 AR-1260-4	8.078	7.171	37392958	26010220	348.481	360.797
35)	L7 AR-1260-5	8.396	7.412	82397857	62069275	348.167	357.492

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

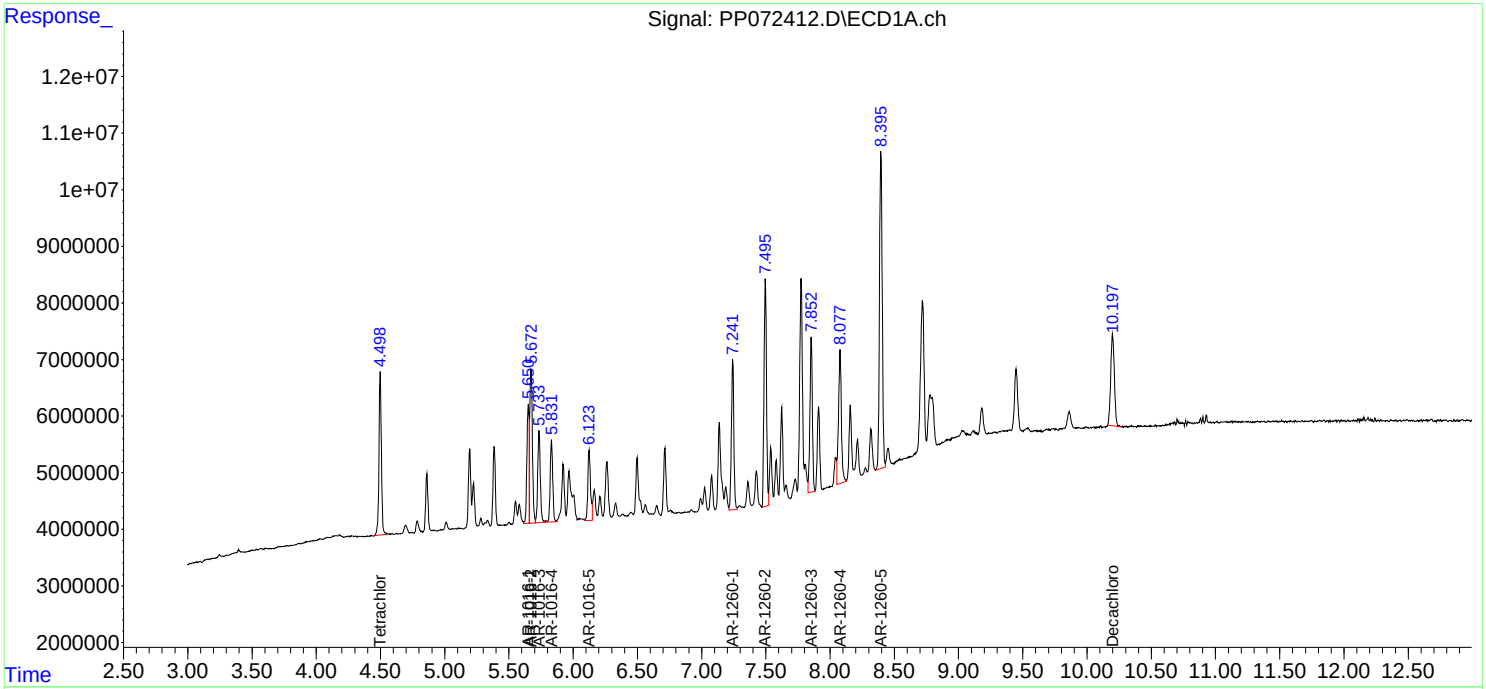
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052825\
Data File : PP072412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 16:53
Operator : YP\AJ
Sample : PB168154BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

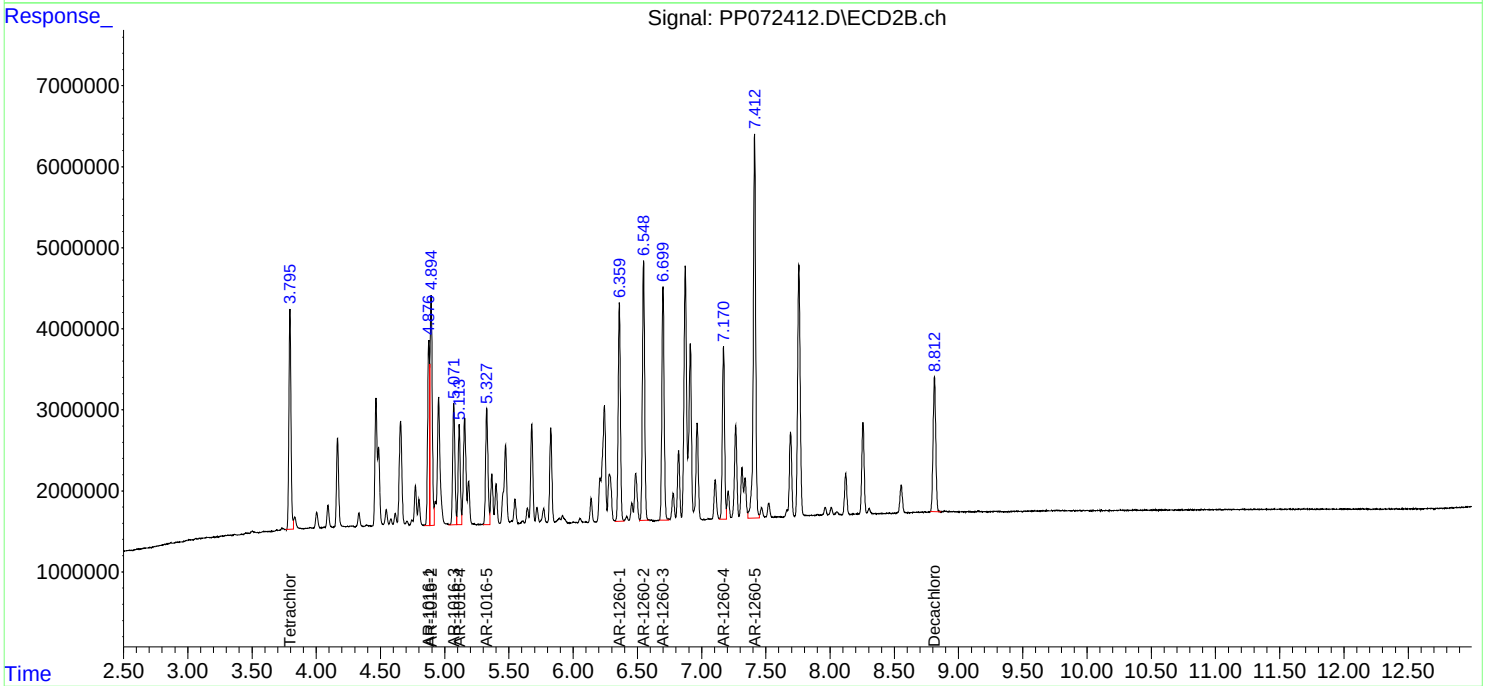
Instrument :
ECD_P
ClientSampleId :
PB168154BS

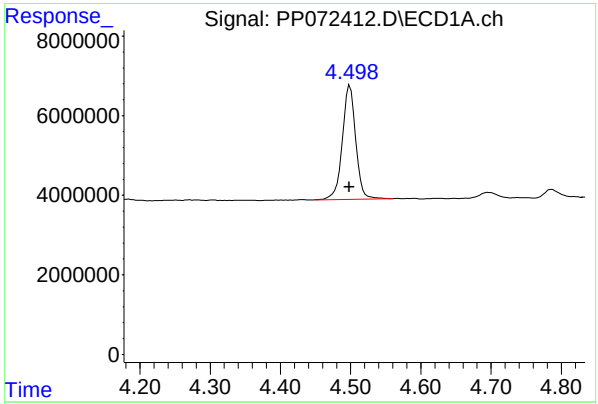
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







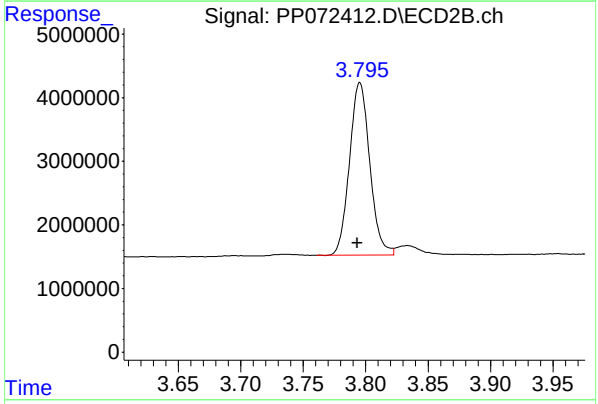
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 37769014
Conc: 18.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168154BS

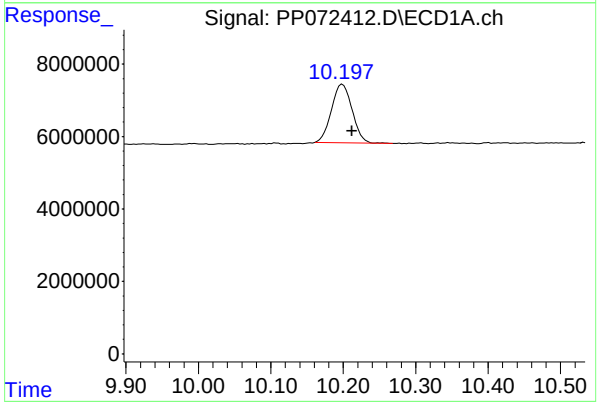
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



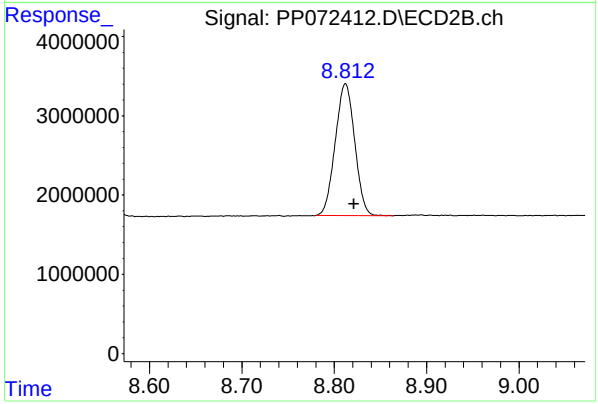
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 30675392
Conc: 19.19 ng/ml



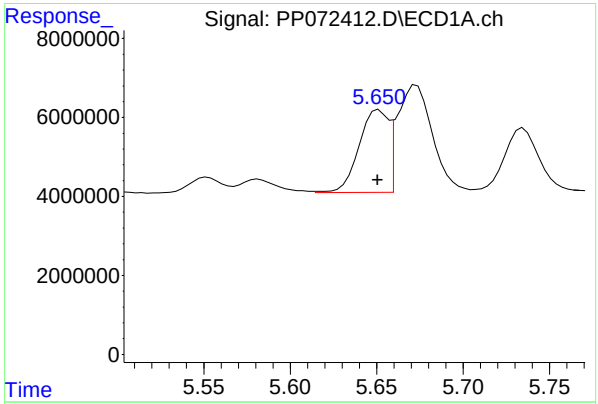
#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 31987097
Conc: 19.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 24320507
Conc: 22.97 ng/ml



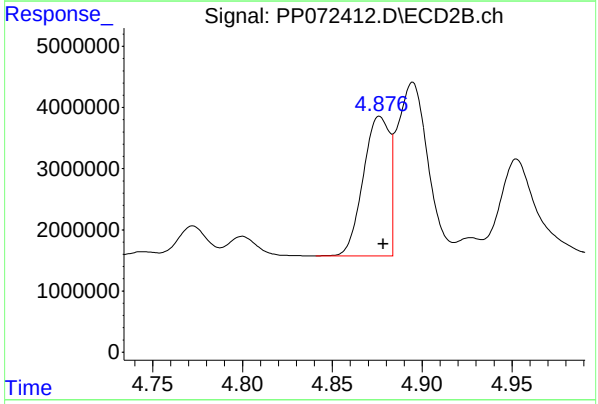
#3 AR-1016-1

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 24822390
Conc: 330.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168154BS

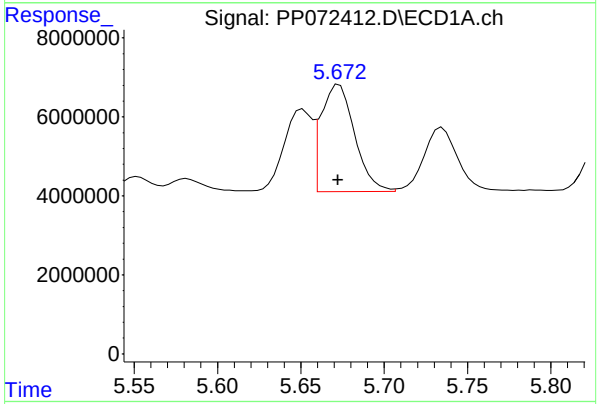
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



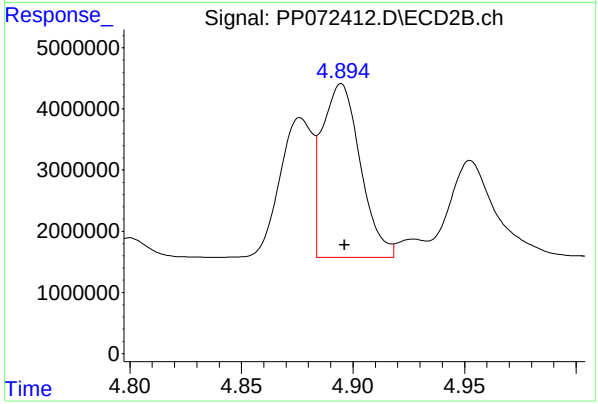
#3 AR-1016-1

R.T.: 4.876 min
Delta R.T.: -0.002 min
Response: 23271883
Conc: 378.84 ng/ml



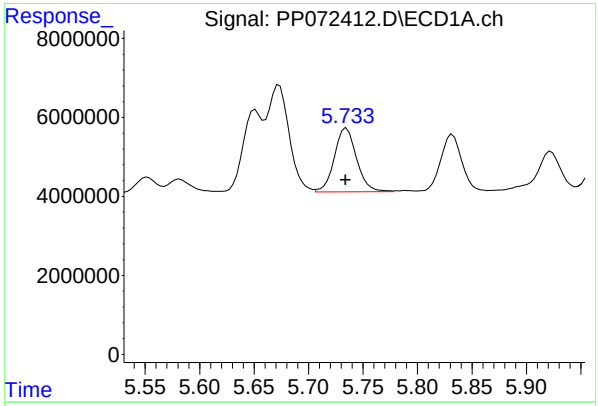
#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 38103167
Conc: 356.13 ng/ml



#4 AR-1016-2

R.T.: 4.895 min
Delta R.T.: -0.001 min
Response: 33900244
Conc: 386.15 ng/ml



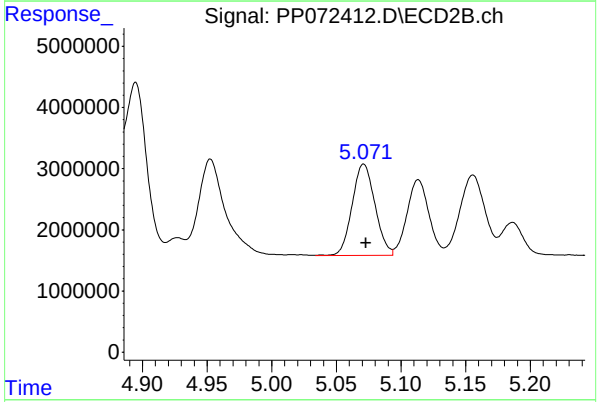
#5 AR-1016-3

R.T.: 5.735 min
Delta R.T.: 0.000 mi
Response: 22767170
Conc: 347.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168154BS

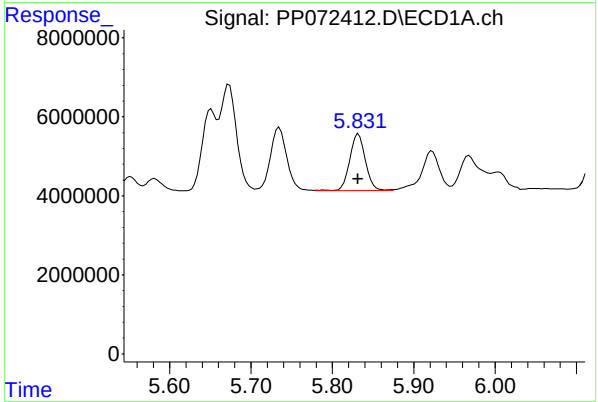
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



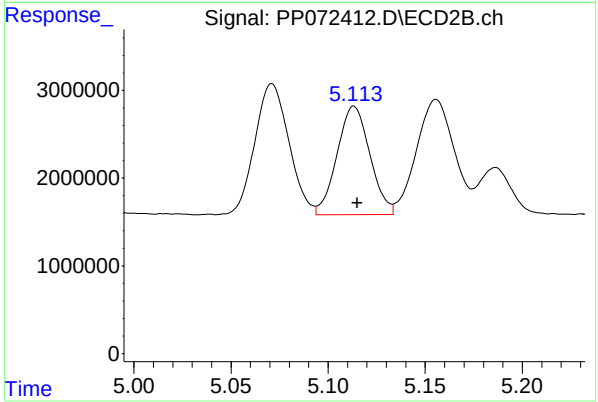
#5 AR-1016-3

R.T.: 5.071 min
Delta R.T.: -0.002 min
Response: 18340802
Conc: 384.87 ng/ml



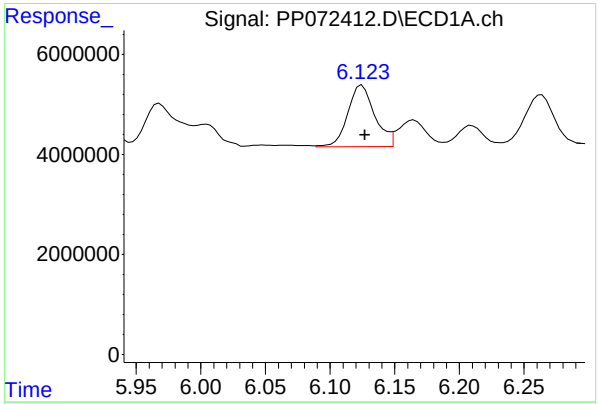
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 19551432
Conc: 367.03 ng/ml m



#6 AR-1016-4

R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 14591843
Conc: 383.54 ng/ml



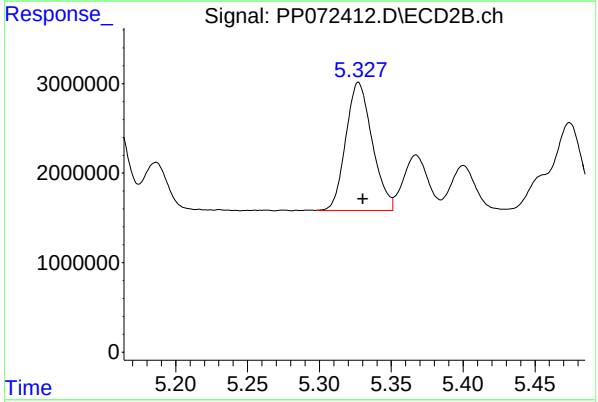
#7 AR-1016-5

R.T.: 6.123 min
Delta R.T.: -0.004 min
Response: 18159619
Conc: 371.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168154BS

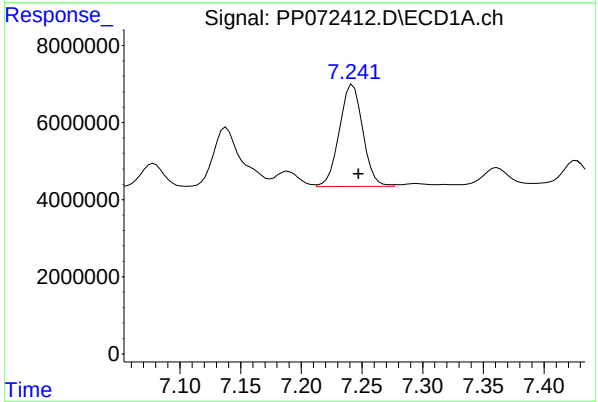
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



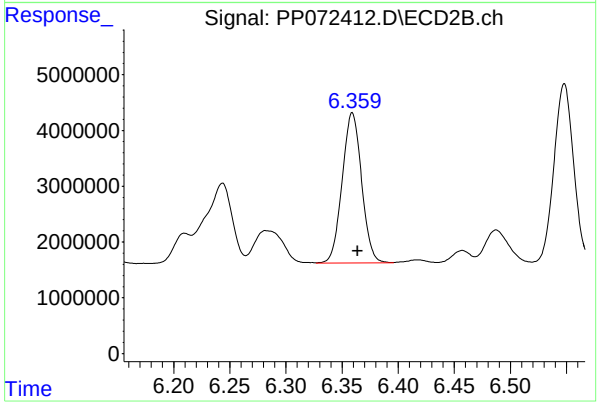
#7 AR-1016-5

R.T.: 5.327 min
Delta R.T.: -0.003 min
Response: 18355690
Conc: 368.41 ng/ml



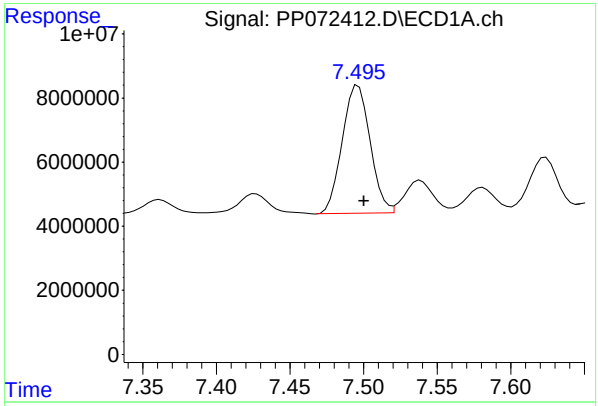
#31 AR-1260-1

R.T.: 7.242 min
Delta R.T.: -0.005 min
Response: 35573991
Conc: 380.09 ng/ml



#31 AR-1260-1

R.T.: 6.359 min
Delta R.T.: -0.005 min
Response: 32534439
Conc: 407.94 ng/ml



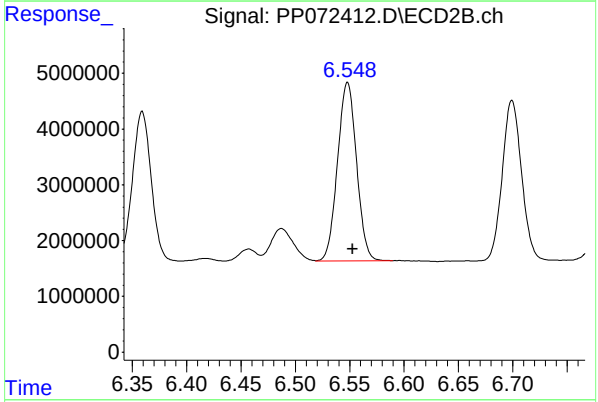
#32 AR-1260-2

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 52698781
Conc: 367.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168154BS

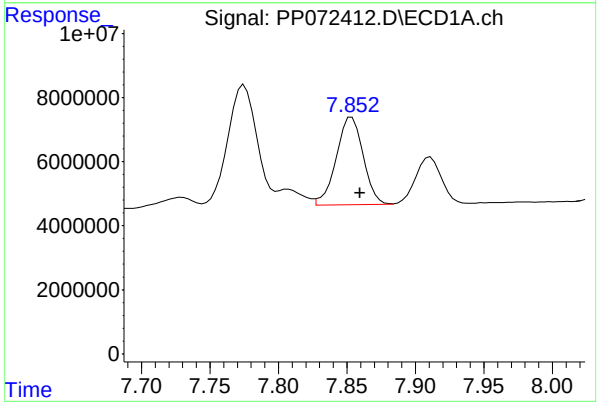
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



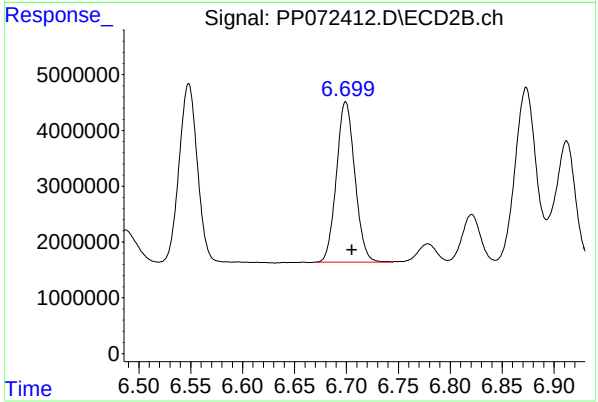
#32 AR-1260-2

R.T.: 6.548 min
Delta R.T.: -0.005 min
Response: 39043198
Conc: 384.96 ng/ml



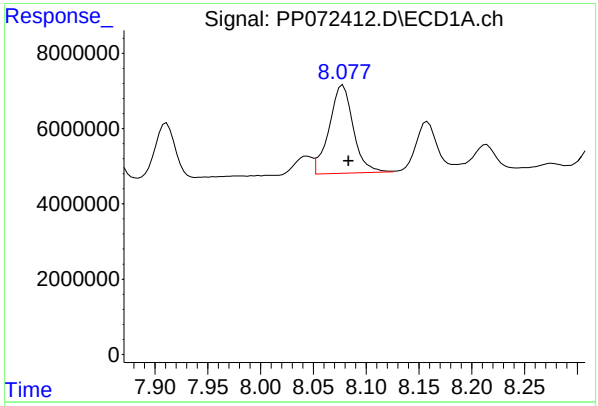
#33 AR-1260-3

R.T.: 7.854 min
Delta R.T.: -0.006 min
Response: 37419179
Conc: 328.61 ng/ml



#33 AR-1260-3

R.T.: 6.699 min
Delta R.T.: -0.006 min
Response: 35631777
Conc: 410.02 ng/ml



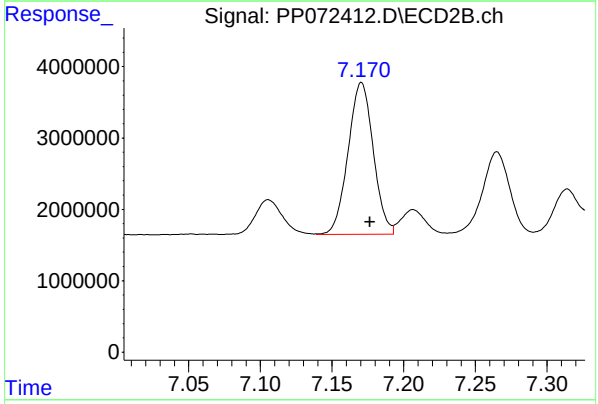
#34 AR-1260-4

R.T.: 8.078 min
Delta R.T.: -0.005 min
Response: 37392958
Conc: 348.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168154BS

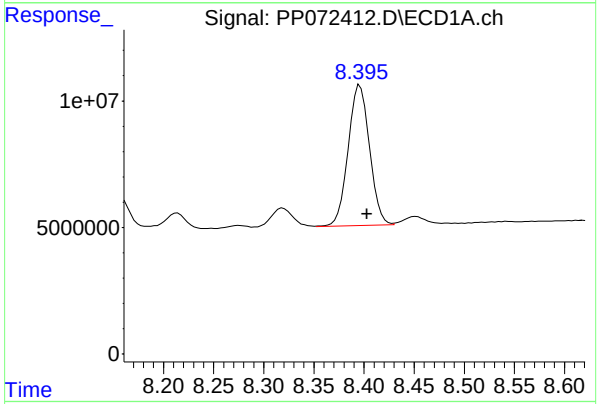
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



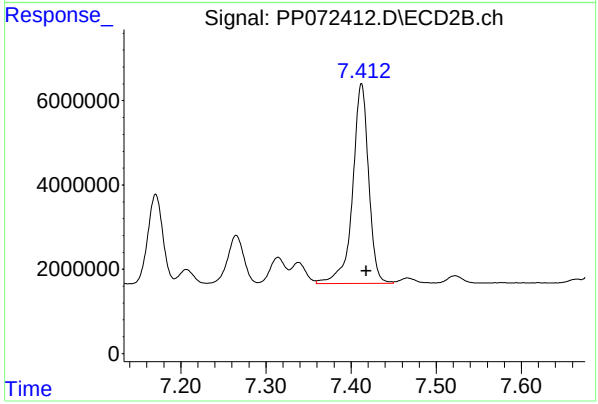
#34 AR-1260-4

R.T.: 7.171 min
Delta R.T.: -0.006 min
Response: 26010220
Conc: 360.80 ng/ml



#35 AR-1260-5

R.T.: 8.396 min
Delta R.T.: -0.007 min
Response: 82397857
Conc: 348.17 ng/ml



#35 AR-1260-5

R.T.: 7.412 min
Delta R.T.: -0.006 min
Response: 62069275
Conc: 357.49 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/22/25
Project:	NJ Soil PT	Date Received:	05/22/25
Client Sample ID:	EO-03-05222025MS	SDG No.:	Q1872
Lab Sample ID:	Q2112-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	95.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072319.D	1	05/23/25 09:18	05/23/25 15:28	PB168149

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	122		4.10	17.8	ug/kg
11104-28-2	Aroclor-1221	4.20	U	4.20	17.8	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.8	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	17.8	ug/kg
12672-29-6	Aroclor-1248	6.20	U	6.20	17.8	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	17.8	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	17.8	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	17.8	ug/kg
11096-82-5	Aroclor-1260	110		3.40	17.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		32 - 175	86%	SPK: 20

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_P\Data\PP052325\
Data File : PP072319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:28
Operator : YP\AJ
Sample : Q2112-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:34:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.798	27897918	27912593	13.874m	17.463 #
2)	SA Decachlor...	10.211	8.820	23232692	18219295	14.261	17.211
	Target Compounds						
3)	L1 AR-1016-1	5.655	4.881	19802776	21428424	263.743	348.829 #
4)	L1 AR-1016-2	5.678	4.899	29427195	31241292	275.042	355.867 #
5)	L1 AR-1016-3	5.740	5.075	17692583	16544553	269.848	347.177 #
6)	L1 AR-1016-4	5.837	5.117	15993371	13941618	300.232	366.448
7)	L1 AR-1016-5	6.128	5.331	13175832	16837427	269.394m	337.935 #
31)	L7 AR-1260-1	7.248	6.364	26521567	27337460	283.366	342.773
32)	L7 AR-1260-2	7.502	6.553	44315124	32411916	308.838	319.574
33)	L7 AR-1260-3	7.860	6.705	26922164	28965611	236.427	333.312 #
34)	L7 AR-1260-4	8.083	7.176	28619294	20848906	266.716m	289.203
35)	L7 AR-1260-5	8.404	7.418	60396818	50149345	255.203	288.839

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

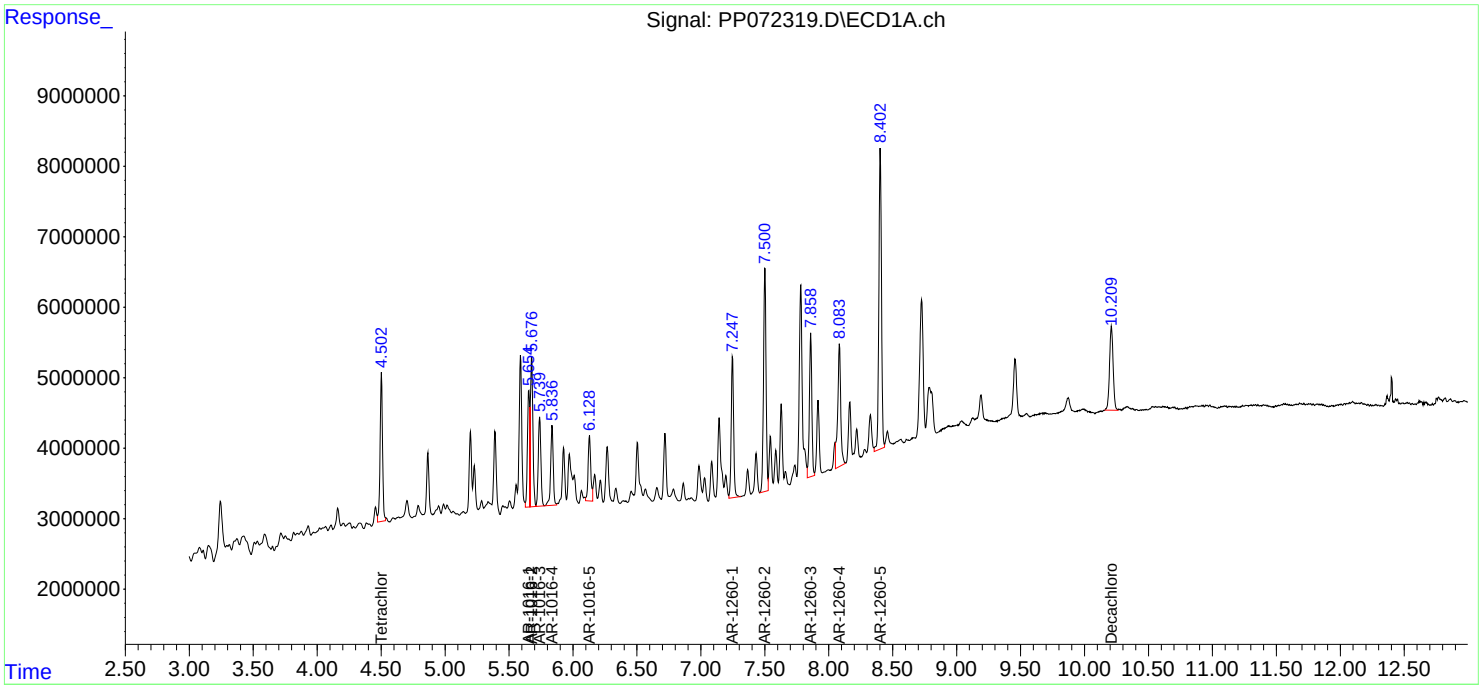
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:28
Operator : YP\AJ
Sample : Q2112-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

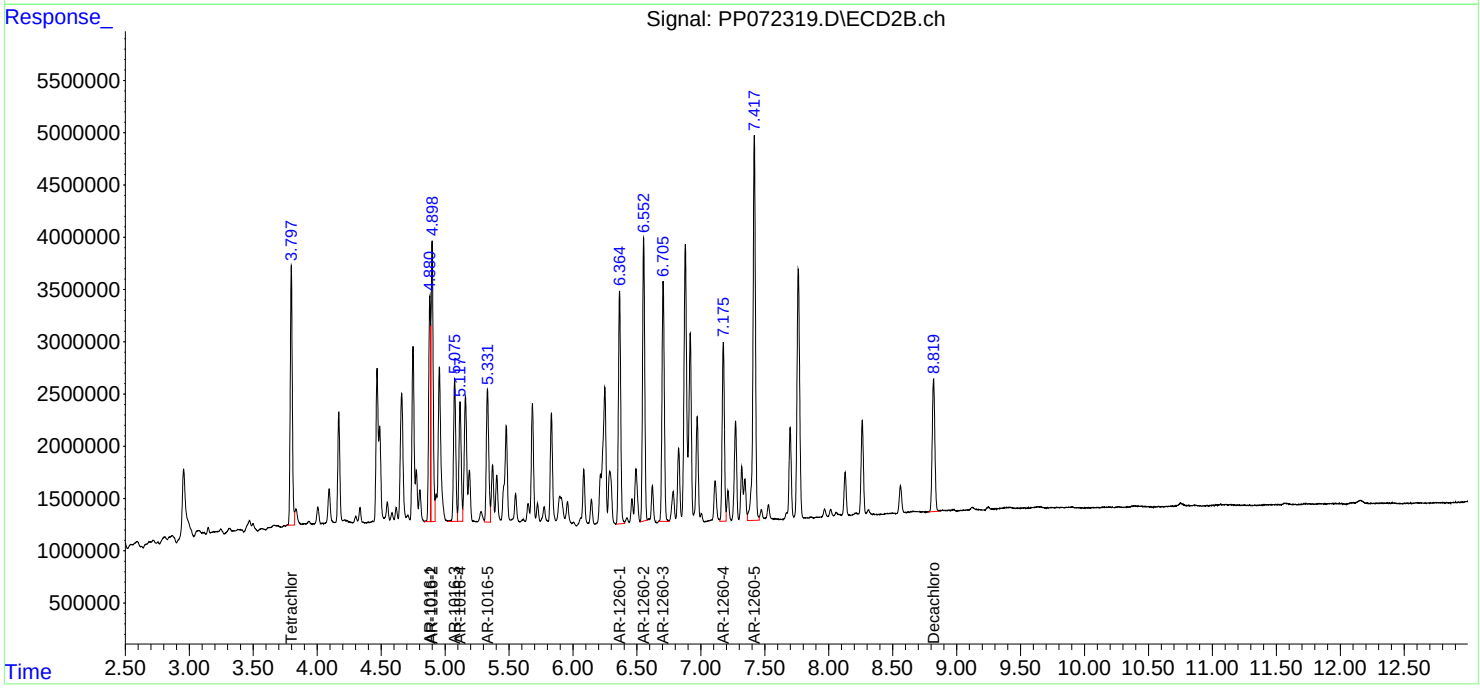
Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

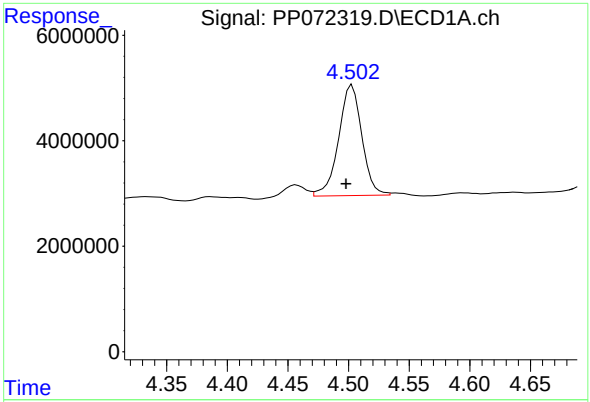
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:34:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







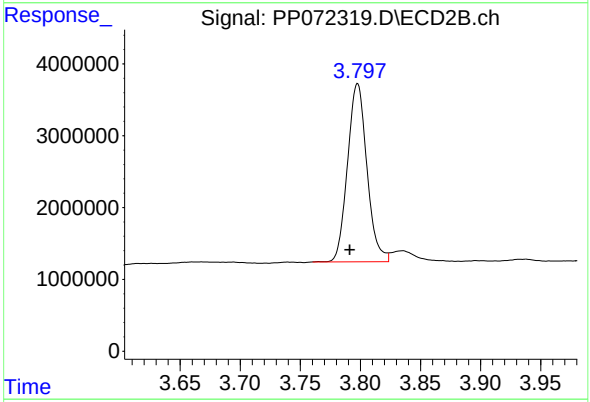
#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 27897918
Conc: 13.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

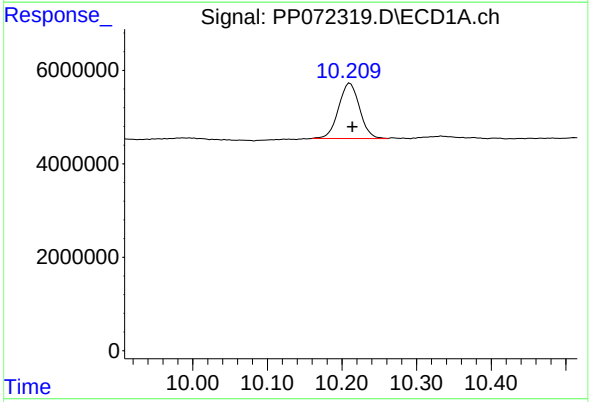
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



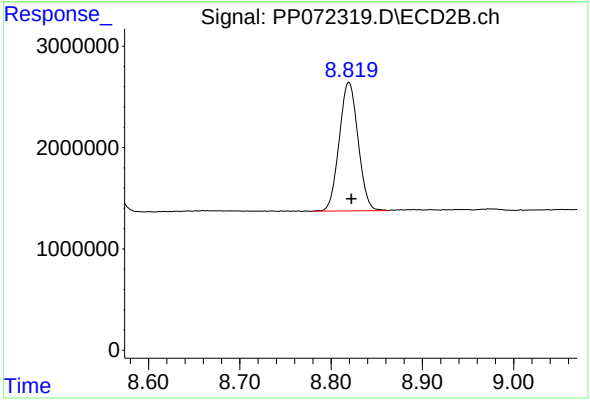
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 27912593
Conc: 17.46 ng/ml



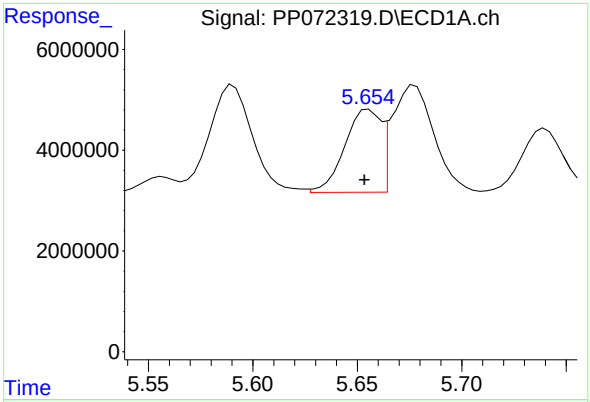
#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.003 min
Response: 23232692
Conc: 14.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.820 min
Delta R.T.: -0.003 min
Response: 18219295
Conc: 17.21 ng/ml



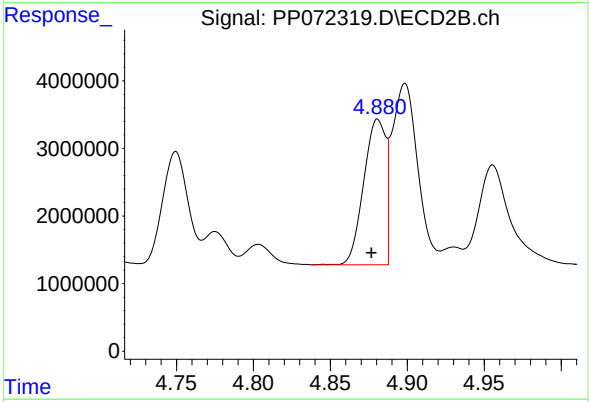
#3 AR-1016-1

R.T.: 5.655 min
Delta R.T.: 0.002 min
Response: 19802776
Conc: 263.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

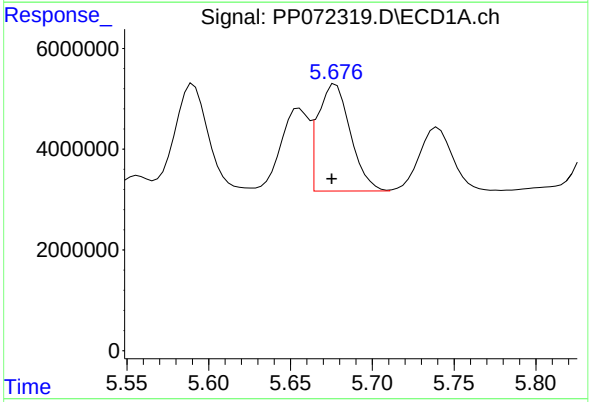
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



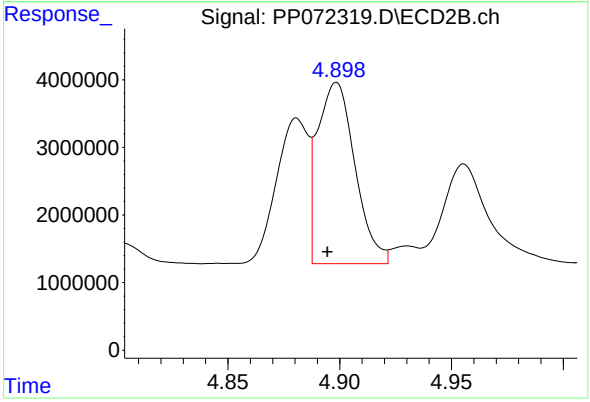
#3 AR-1016-1

R.T.: 4.881 min
Delta R.T.: 0.004 min
Response: 21428424
Conc: 348.83 ng/ml



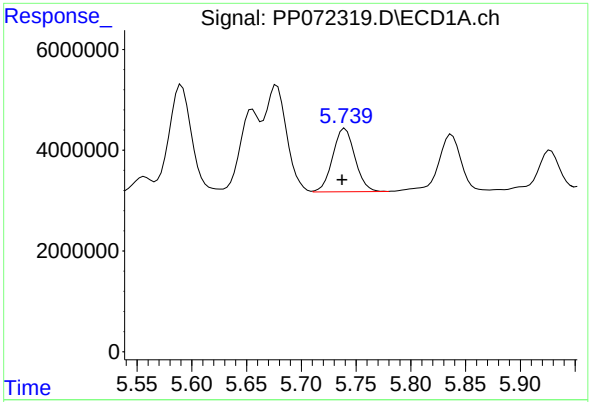
#4 AR-1016-2

R.T.: 5.678 min
Delta R.T.: 0.002 min
Response: 29427195
Conc: 275.04 ng/ml



#4 AR-1016-2

R.T.: 4.899 min
Delta R.T.: 0.004 min
Response: 31241292
Conc: 355.87 ng/ml



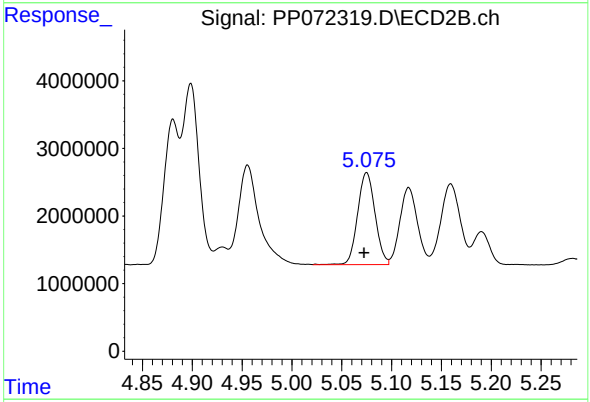
#5 AR-1016-3

R.T.: 5.740 min
Delta R.T.: 0.003 min
Response: 17692583
Conc: 269.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

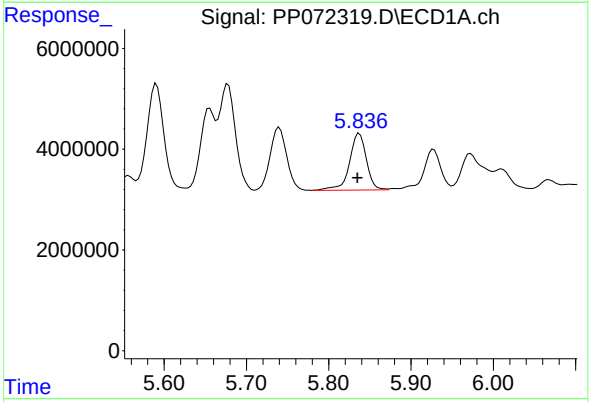
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



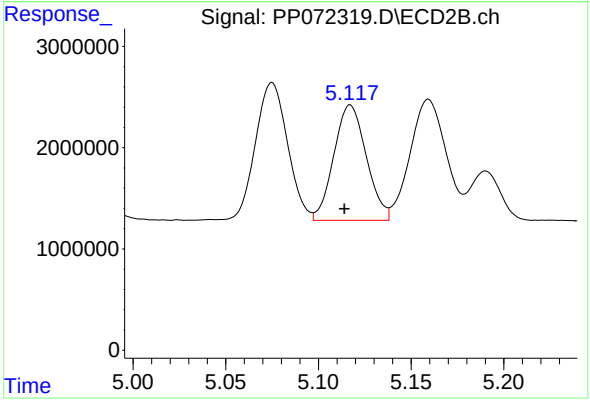
#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 16544553
Conc: 347.18 ng/ml



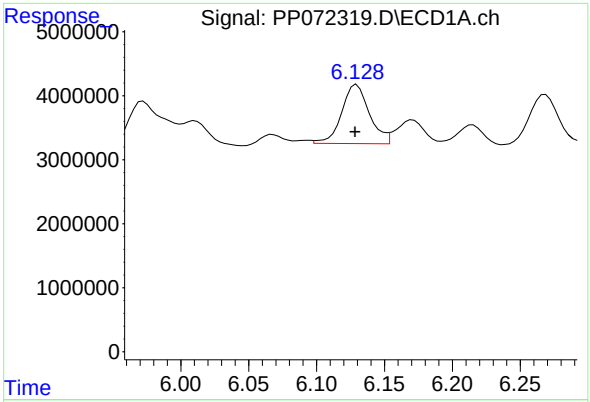
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.003 min
Response: 15993371
Conc: 300.23 ng/ml



#6 AR-1016-4

R.T.: 5.117 min
Delta R.T.: 0.003 min
Response: 13941618
Conc: 366.45 ng/ml



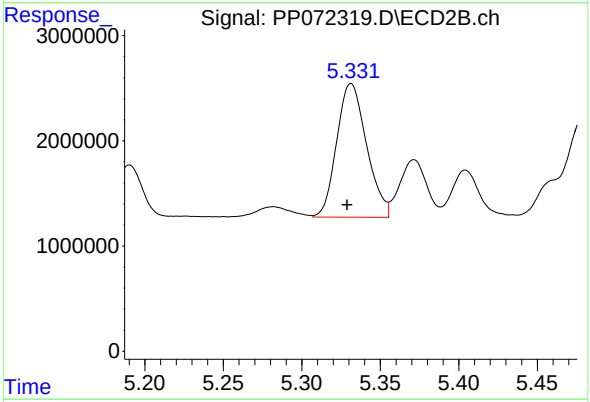
#7 AR-1016-5

R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 13175832
Conc: 269.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

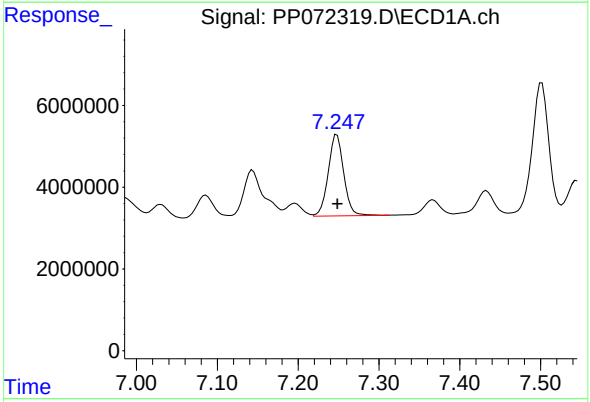
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



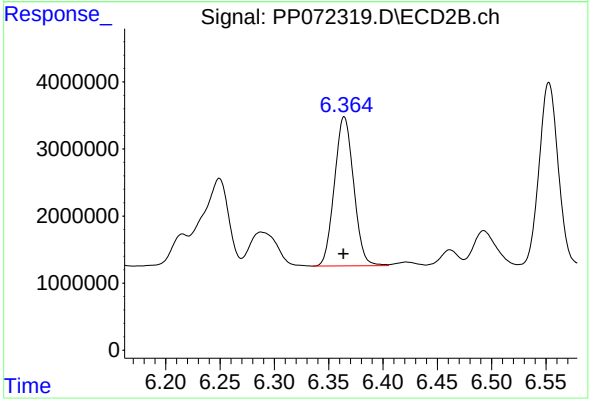
#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.003 min
Response: 16837427
Conc: 337.94 ng/ml



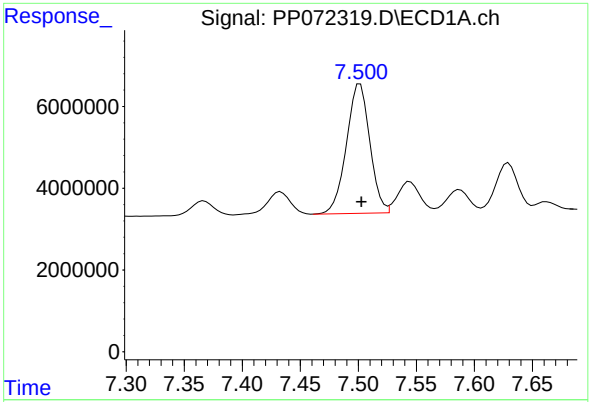
#31 AR-1260-1

R.T.: 7.248 min
Delta R.T.: 0.000 min
Response: 26521567
Conc: 283.37 ng/ml



#31 AR-1260-1

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 27337460
Conc: 342.77 ng/ml



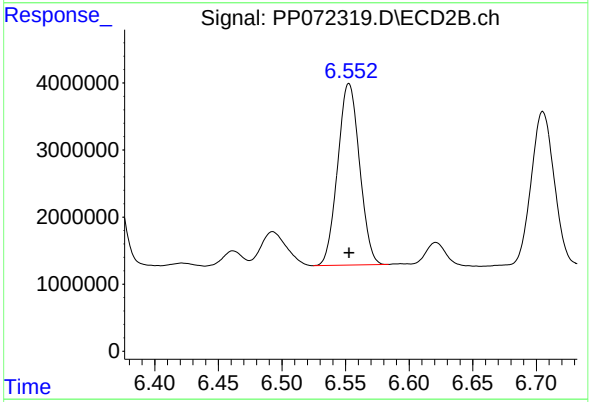
#32 AR-1260-2

R.T.: 7.502 min
Delta R.T.: -0.001 min
Response: 44315124
Conc: 308.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

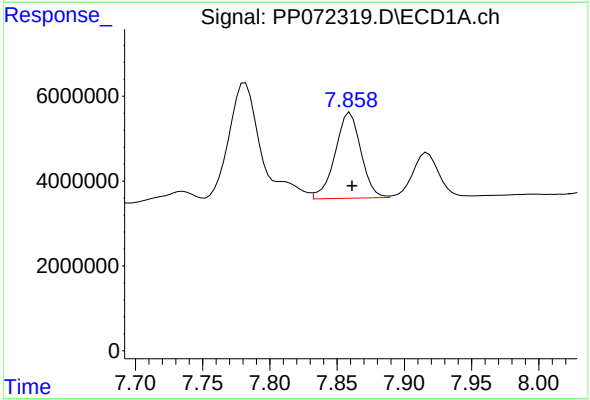
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



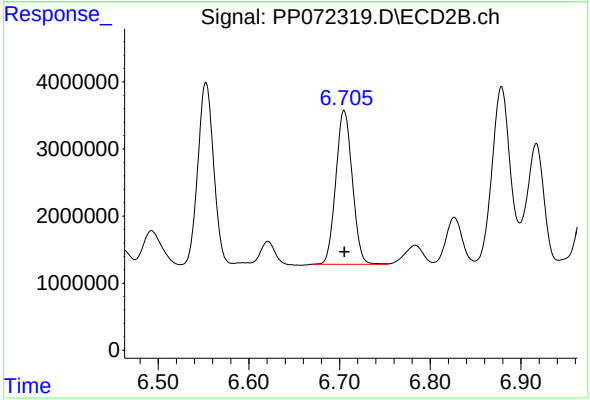
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 32411916
Conc: 319.57 ng/ml



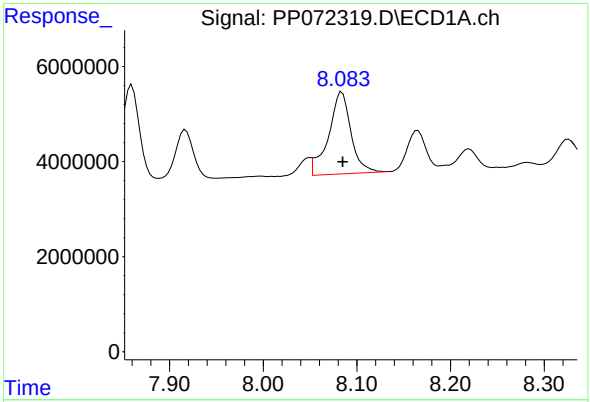
#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: -0.001 min
Response: 26922164
Conc: 236.43 ng/ml



#33 AR-1260-3

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 28965611
Conc: 333.31 ng/ml



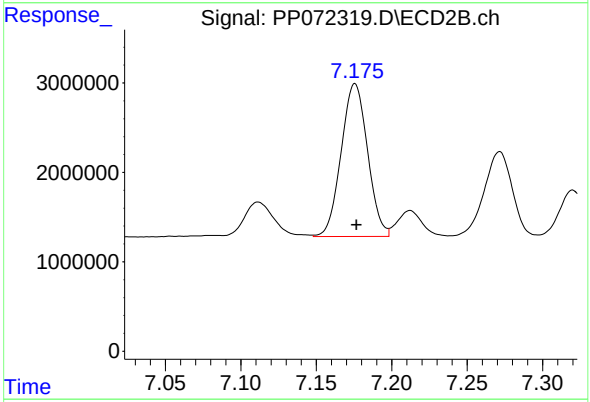
#34 AR-1260-4

R.T.: 8.083 min
Delta R.T.: -0.002 min
Response: 28619294
Conc: 266.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MS

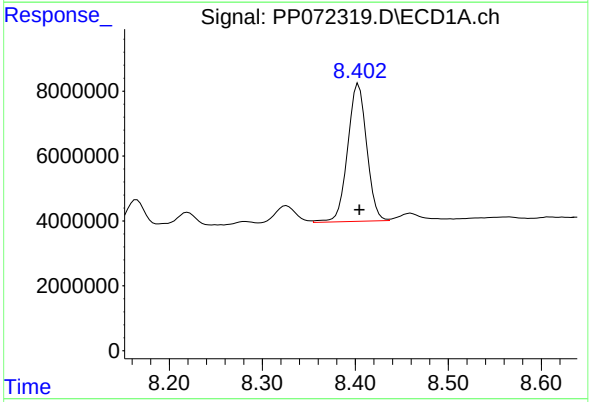
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



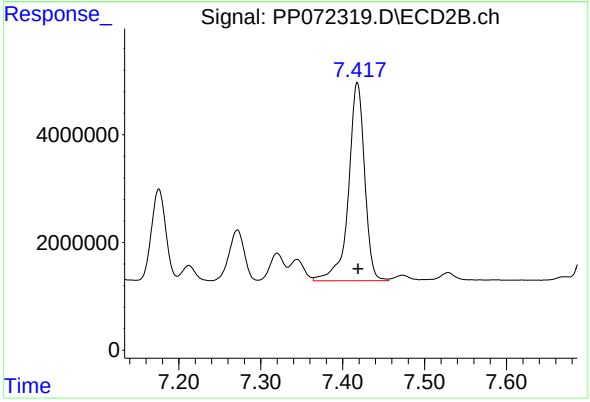
#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 20848906
Conc: 289.20 ng/ml



#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 60396818
Conc: 255.20 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 50149345
Conc: 288.84 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/22/25
Project:	NJ Soil PT	Date Received:	05/22/25
Client Sample ID:	EO-03-05222025MSD	SDG No.:	Q1872
Lab Sample ID:	Q2112-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	95.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072320.D	1	05/23/25 09:18	05/23/25 15:44	PB168149

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	120		4.10	17.8	ug/kg
11104-28-2	Aroclor-1221	4.20	U	4.20	17.8	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.8	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	17.8	ug/kg
12672-29-6	Aroclor-1248	6.20	U	6.20	17.8	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	17.8	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	17.8	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	17.8	ug/kg
11096-82-5	Aroclor-1260	108		3.40	17.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.6		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		32 - 175	85%	SPK: 20

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_P\Data\PP052325\
Data File : PP072320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:44
Operator : YP\AJ
Sample : Q2112-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.798	29607678	28142011	14.724m	17.607
2)	SA Decachlor...	10.209	8.821	23371788	18036172	14.346	17.038
	Target Compounds						
3)	L1 AR-1016-1	5.653	4.880	20518752	21078835	273.279	343.139 #
4)	L1 AR-1016-2	5.676	4.898	29275127	30408091	273.621	346.376 #
5)	L1 AR-1016-3	5.738	5.075	17787237	16089785	271.292	337.634
6)	L1 AR-1016-4	5.835	5.117	16205039	13658617	304.206	359.009
7)	L1 AR-1016-5	6.126	5.331	14047389	16695748	287.214m	335.092
31)	L7 AR-1260-1	7.246	6.364	25719549	26714120	274.797	334.958
32)	L7 AR-1260-2	7.499	6.553	43703848	31966480	304.578	315.182
33)	L7 AR-1260-3	7.858	6.705	26826353	28500592	235.586	327.961 #
34)	L7 AR-1260-4	8.081	7.175	27270285	20384515	254.144	282.761
35)	L7 AR-1260-5	8.401	7.418	60795514	48980108	256.887	282.104

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP052325\
Data File : PP072320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 15:44
Operator : YP\AJ
Sample : Q2112-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

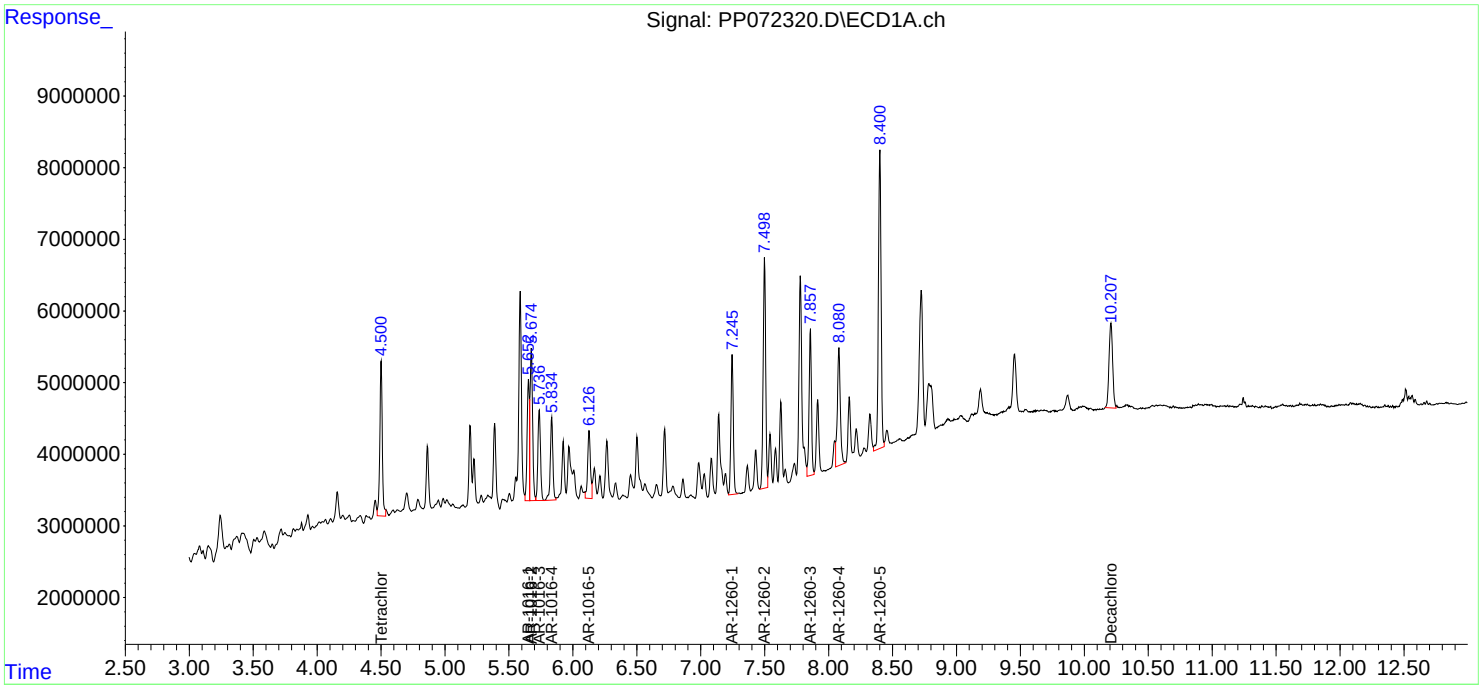
Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

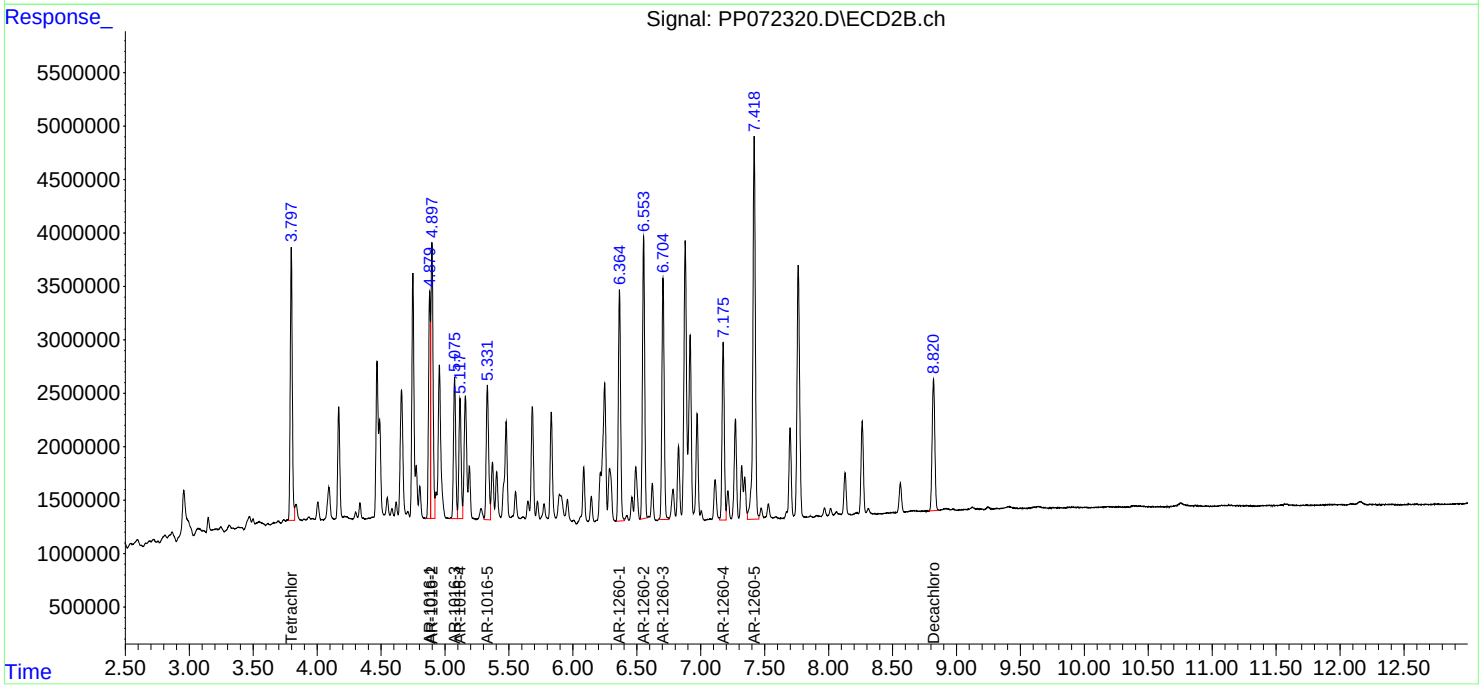
Manual Integrations APPROVED

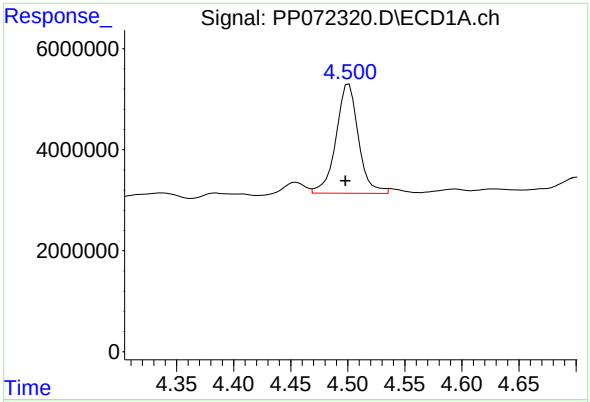
Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 22:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







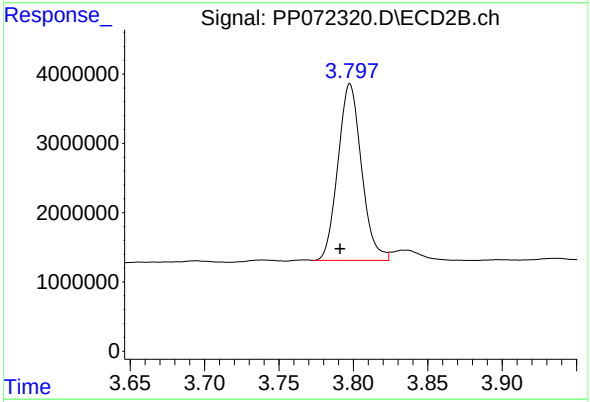
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 29607678
Conc: 14.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

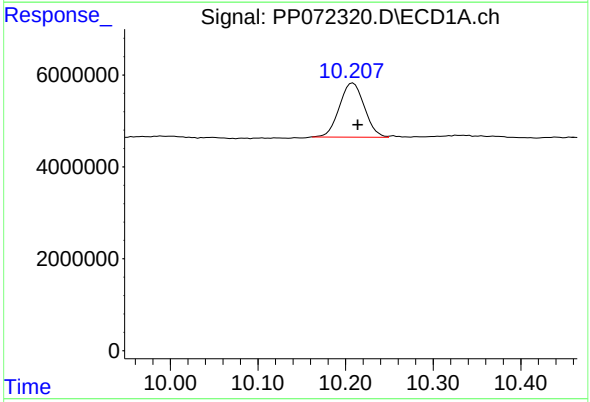
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



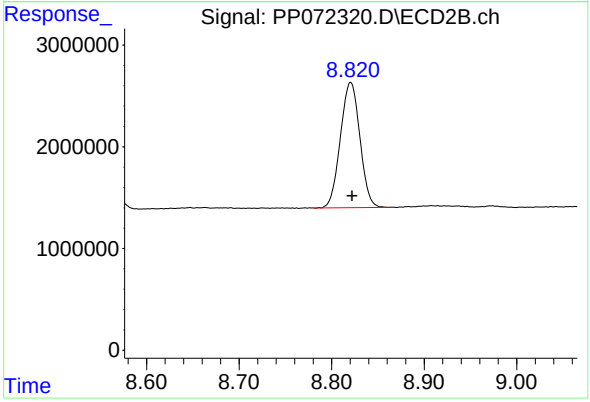
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 28142011
Conc: 17.61 ng/ml



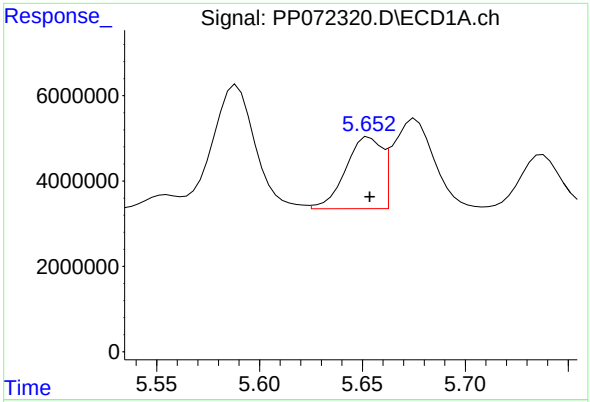
#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.005 min
Response: 23371788
Conc: 14.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.821 min
Delta R.T.: -0.002 min
Response: 18036172
Conc: 17.04 ng/ml



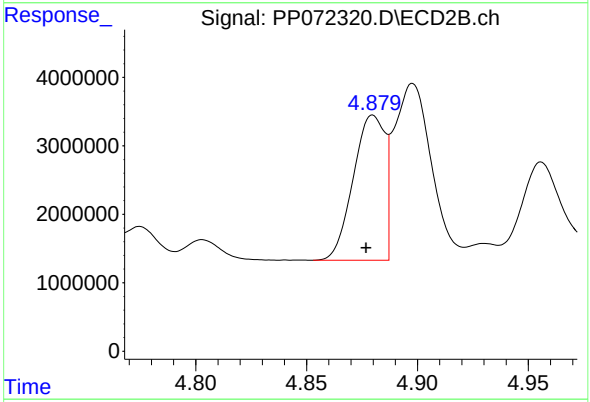
#3 AR-1016-1

R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 20518752
Conc: 273.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

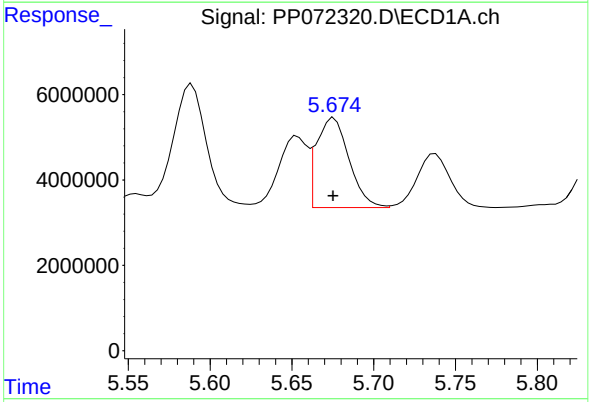
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



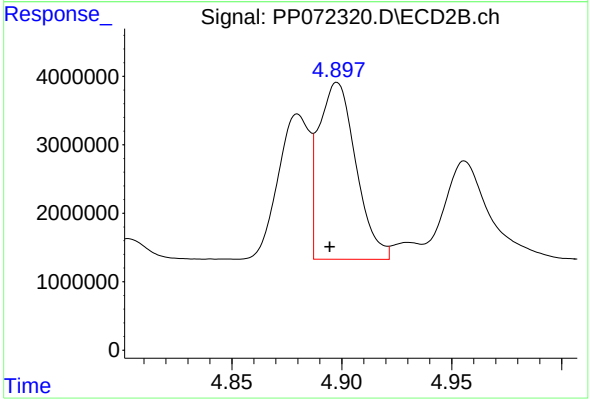
#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.003 min
Response: 21078835
Conc: 343.14 ng/ml



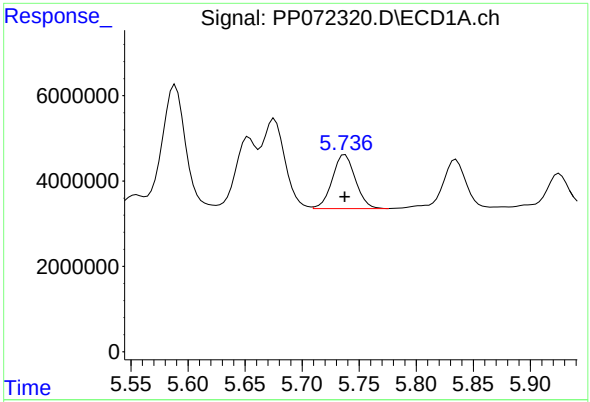
#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 29275127
Conc: 273.62 ng/ml



#4 AR-1016-2

R.T.: 4.898 min
Delta R.T.: 0.003 min
Response: 30408091
Conc: 346.38 ng/ml



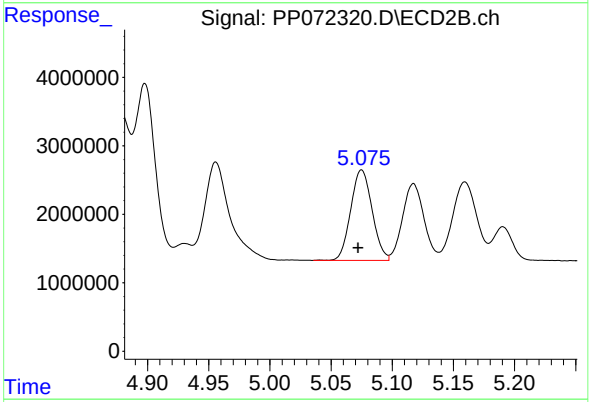
#5 AR-1016-3

R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 17787237
Conc: 271.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

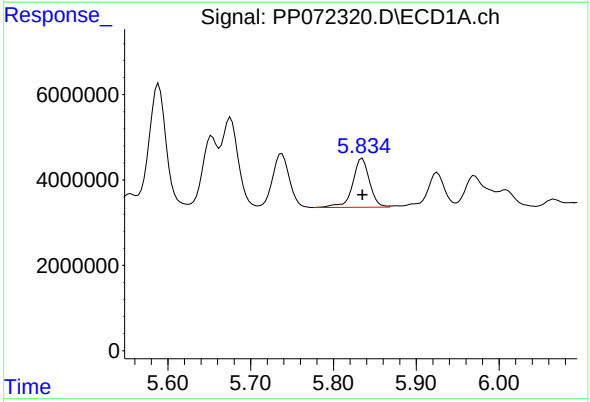
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



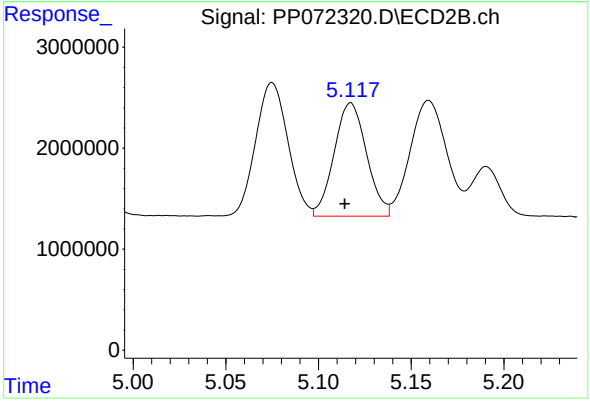
#5 AR-1016-3

R.T.: 5.075 min
Delta R.T.: 0.003 min
Response: 16089785
Conc: 337.63 ng/ml



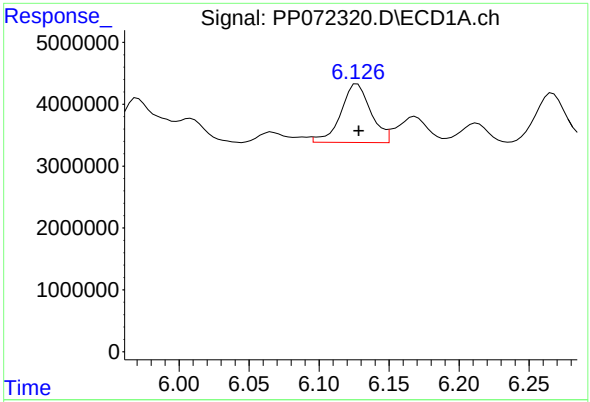
#6 AR-1016-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 16205039
Conc: 304.21 ng/ml



#6 AR-1016-4

R.T.: 5.117 min
Delta R.T.: 0.003 min
Response: 13658617
Conc: 359.01 ng/ml



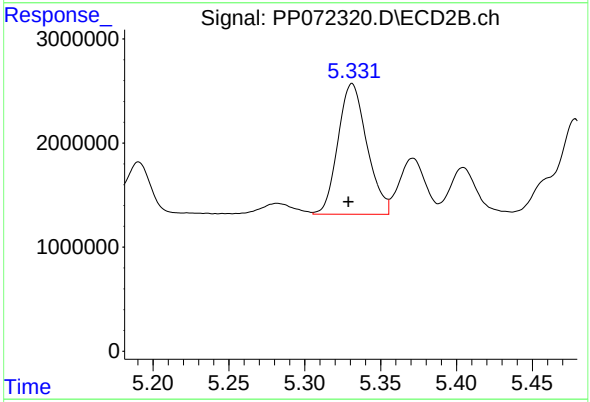
#7 AR-1016-5

R.T.: 6.126 min
Delta R.T.: -0.002 min
Response: 14047389
Conc: 287.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

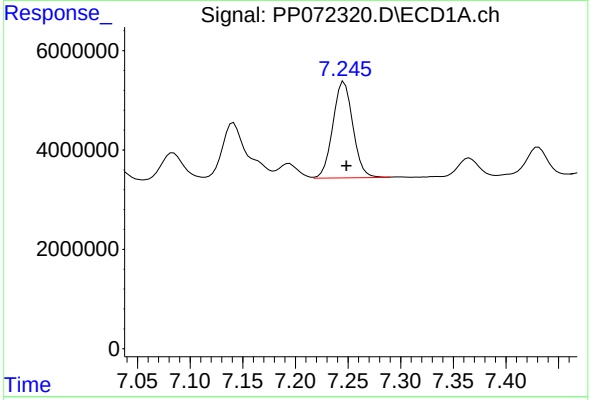
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



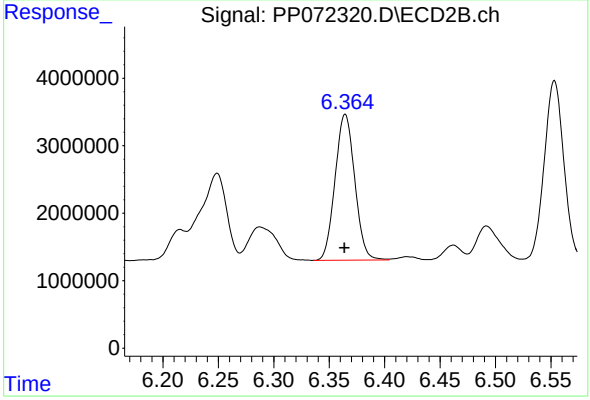
#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.002 min
Response: 16695748
Conc: 335.09 ng/ml



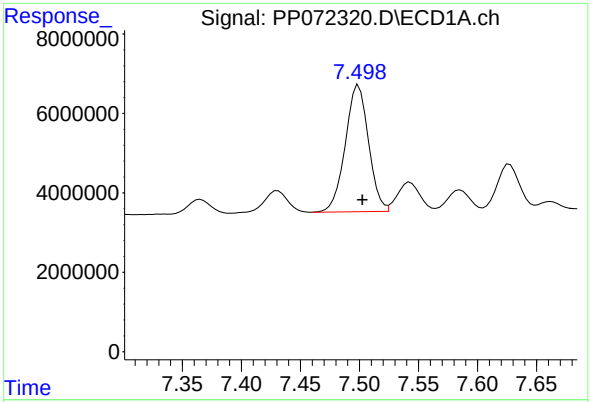
#31 AR-1260-1

R.T.: 7.246 min
Delta R.T.: -0.002 min
Response: 25719549
Conc: 274.80 ng/ml



#31 AR-1260-1

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 26714120
Conc: 334.96 ng/ml



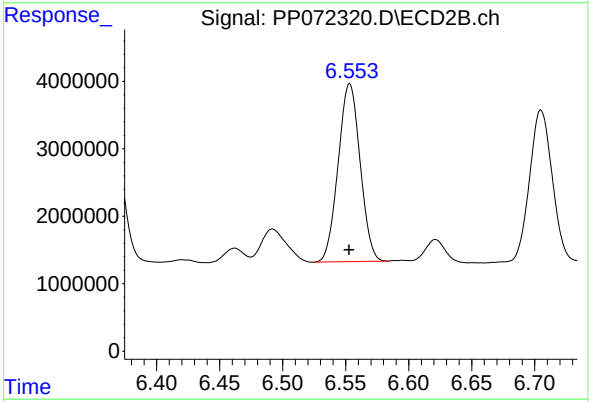
#32 AR-1260-2

R.T.: 7.499 min
Delta R.T.: -0.003 min
Response: 43703848
Conc: 304.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

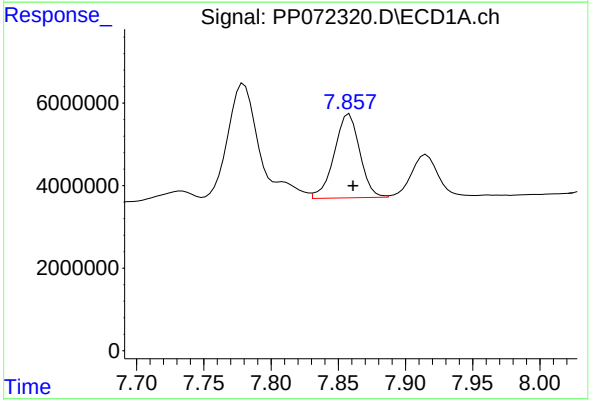
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



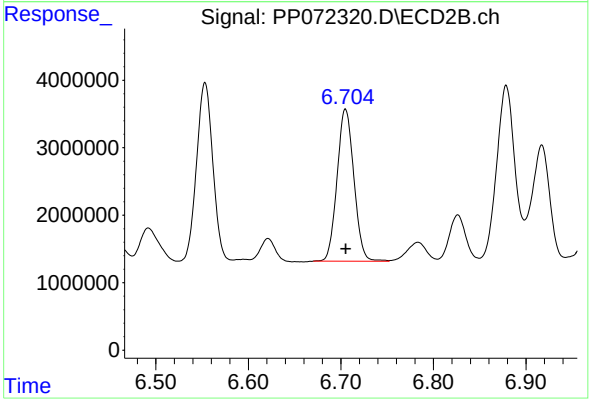
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 31966480
Conc: 315.18 ng/ml



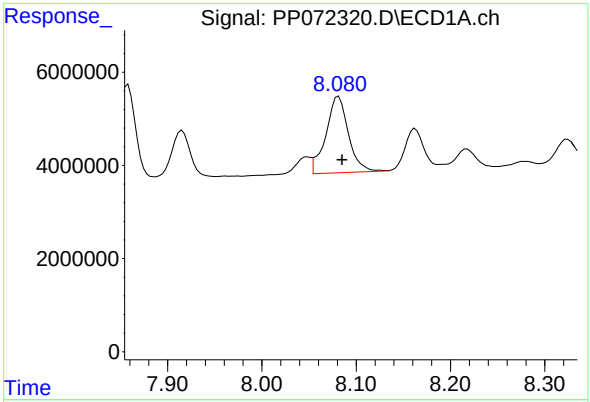
#33 AR-1260-3

R.T.: 7.858 min
Delta R.T.: -0.003 min
Response: 26826353
Conc: 235.59 ng/ml



#33 AR-1260-3

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 28500592
Conc: 327.96 ng/ml



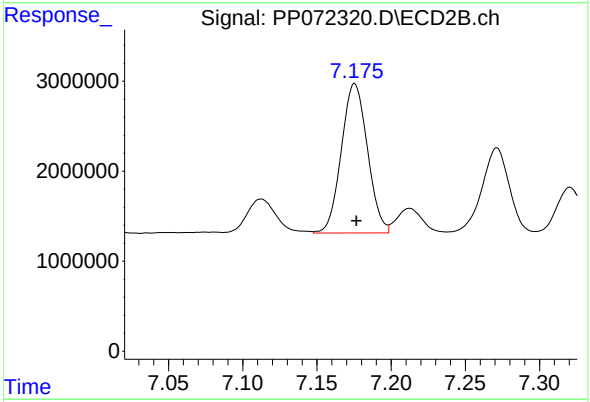
#34 AR-1260-4

R.T.: 8.081 min
Delta R.T.: -0.004 min
Response: 27270285
Conc: 254.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
EO-03-05222025MSD

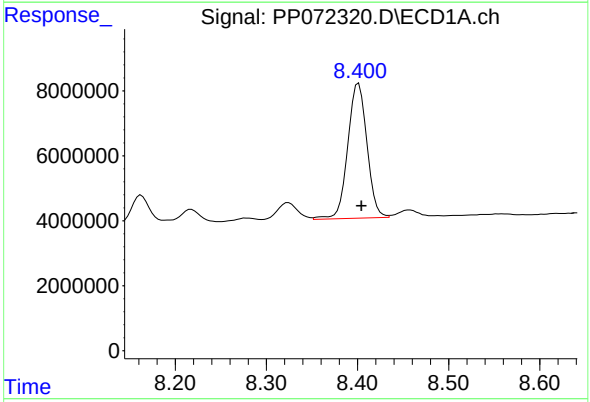
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



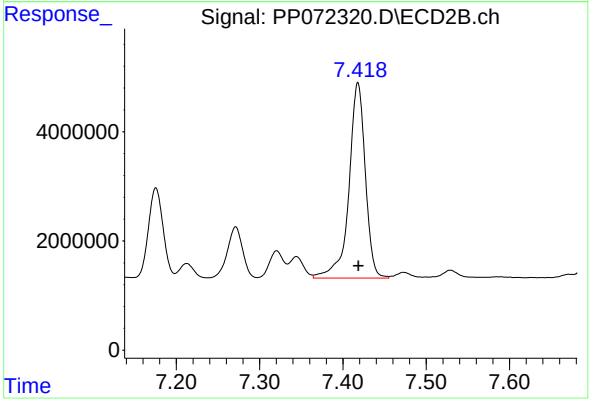
#34 AR-1260-4

R.T.: 7.175 min
Delta R.T.: -0.001 min
Response: 20384515
Conc: 282.76 ng/ml



#35 AR-1260-5

R.T.: 8.401 min
Delta R.T.: -0.003 min
Response: 60795514
Conc: 256.89 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 48980108
Conc: 282.10 ng/ml

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

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP072168.D	AR-1016-1	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-2	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-3	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-4	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-3	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-4	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-1	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-3	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-4	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5 #2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1248ICC050	PP072184.D	AR-1248-1	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PP072184.D	AR-1248-4 #2	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-1	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4 #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	AR-1268-1	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp052325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2112-01MS	PP072319.D	AR-1016-5	yogesh	5/27/2025 7:27:14 AM	mohammad	5/28/2025 1:47:06	Peak Integrated by Software
Q2112-01MS	PP072319.D	AR-1260-4	yogesh	5/27/2025 7:27:14 AM	mohammad	5/28/2025 1:47:06	Peak Integrated by Software
Q2112-01MS	PP072319.D	Tetrachloro-m-xylene	yogesh	5/27/2025 7:27:14 AM	mohammad	5/28/2025 1:47:06	Peak Integrated by Software
Q2112-01MSD	PP072320.D	AR-1016-5	yogesh	5/27/2025 7:27:16 AM	mohammad	5/28/2025 1:47:06	Peak Integrated by Software
Q2112-01MSD	PP072320.D	Tetrachloro-m-xylene	yogesh	5/27/2025 7:27:16 AM	mohammad	5/28/2025 1:47:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP052425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1872-18	PP072352.D	Tetrachloro-m-xylene	yogesh	5/27/2025 7:26:13 AM	mohammad	5/28/2025 1:48:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp052825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1221CCC500	PP072405.D	Decachlorobiphenyl	yogesh	5/29/2025 7:49:27 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
AR1221CCC500	PP072405.D	Decachlorobiphenyl #2	yogesh	5/29/2025 7:49:27 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
AR1232CCC500	PP072406.D	Decachlorobiphenyl	yogesh	5/29/2025 7:49:28 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
AR1242CCC500	PP072407.D	Decachlorobiphenyl	yogesh	5/29/2025 7:49:30 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
AR1248CCC500	PP072408.D	Decachlorobiphenyl	yogesh	5/29/2025 7:49:32 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
I.BLK	PP072410.D	Decachlorobiphenyl	yogesh	5/29/2025 7:49:34 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
PB168154BS	PP072412.D	AR-1016-4	yogesh	5/30/2025 8:08:52 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
PB168154BS	PP072412.D	AR-1016-5	yogesh	5/30/2025 8:08:52 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
Q1872-19	PP072413.D	Tetrachloro-m-xylene	yogesh	5/29/2025 7:49:35 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
Q1872-19	PP072413.D	Tetrachloro-m-xylene #2	yogesh	5/29/2025 7:49:35 AM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
AR1221CCC500	PP072420.D	Decachlorobiphenyl	yogesh	5/29/2025 1:31:45 PM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software
AR1242CCC500	PP072422.D	Decachlorobiphenyl	yogesh	5/29/2025 1:31:49 PM	mohammad	6/3/2025 1:58:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp052825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072162.D	19 May 2025 09:09	YP\AJ	Ok
2	I.BLK	PP072163.D	19 May 2025 09:26	YP\AJ	Ok
3	AR1660ICC1000	PP072164.D	19 May 2025 09:42	YP\AJ	Ok
4	AR1660ICC750	PP072165.D	19 May 2025 09:59	YP\AJ	Ok
5	AR1660ICC500	PP072166.D	19 May 2025 10:15	YP\AJ	Ok
6	AR1660ICC250	PP072167.D	19 May 2025 10:32	YP\AJ	Ok
7	AR1660ICC050	PP072168.D	19 May 2025 10:48	YP\AJ	Ok,M
8	AR1221ICC500	PP072169.D	19 May 2025 11:05	YP\AJ	Ok
9	AR1232ICC1000	PP072170.D	19 May 2025 11:21	YP\AJ	Ok
10	AR1232ICC750	PP072171.D	19 May 2025 11:38	YP\AJ	Ok
11	AR1232ICC500	PP072172.D	19 May 2025 11:54	YP\AJ	Ok
12	AR1232ICC250	PP072173.D	19 May 2025 12:10	YP\AJ	Ok
13	AR1232ICC050	PP072174.D	19 May 2025 12:27	YP\AJ	Ok,M
14	AR1242ICC1000	PP072175.D	19 May 2025 12:43	YP\AJ	Ok
15	AR1242ICC750	PP072176.D	19 May 2025 12:59	YP\AJ	Ok
16	AR1242ICC500	PP072177.D	19 May 2025 13:15	YP\AJ	Ok
17	AR1242ICC250	PP072178.D	19 May 2025 13:32	YP\AJ	Ok
18	AR1242ICC050	PP072179.D	19 May 2025 13:48	YP\AJ	Ok,M
19	AR1248ICC1000	PP072180.D	19 May 2025 14:04	YP\AJ	Ok
20	AR1248ICC750	PP072181.D	19 May 2025 14:20	YP\AJ	Ok
21	AR1248ICC500	PP072182.D	19 May 2025 14:37	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1248ICC250	PP072183.D	19 May 2025 14:53	YP\AJ	Ok
23	AR1248ICC050	PP072184.D	19 May 2025 15:25	YP\AJ	Ok,M
24	AR1254ICC1000	PP072185.D	19 May 2025 15:42	YP\AJ	Ok
25	AR1254ICC750	PP072186.D	19 May 2025 15:58	YP\AJ	Ok
26	AR1254ICC500	PP072187.D	19 May 2025 16:14	YP\AJ	Ok
27	AR1254ICC250	PP072188.D	19 May 2025 16:31	YP\AJ	Ok
28	AR1254ICC050	PP072189.D	19 May 2025 16:47	YP\AJ	Ok,M
29	AR1262ICC500	PP072190.D	19 May 2025 17:03	YP\AJ	Ok
30	AR1268ICC1000	PP072191.D	19 May 2025 17:20	YP\AJ	Ok
31	AR1268ICC750	PP072192.D	19 May 2025 17:36	YP\AJ	Ok
32	AR1268ICC500	PP072193.D	19 May 2025 17:53	YP\AJ	Ok
33	AR1268ICC250	PP072194.D	19 May 2025 18:09	YP\AJ	Ok
34	AR1268ICC050	PP072195.D	19 May 2025 18:25	YP\AJ	Ok,M
35	PP051925ICV500	PP072196.D	19 May 2025 18:42	YP\AJ	Ok
36	AR1232ICV500	PP072197.D	19 May 2025 19:14	YP\AJ	Ok
37	AR1242ICV500	PP072198.D	19 May 2025 19:47	YP\AJ	Ok
38	AR1248ICV500	PP072199.D	19 May 2025 20:19	YP\AJ	Ok
39	AR1254ICV500	PP072200.D	19 May 2025 20:52	YP\AJ	Ok
40	AR1268ICV500	PP072201.D	19 May 2025 21:25	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

Review By	yogesh	Review On	5/23/2025 10:55:36 AM		
Supervise By	mohammad	Supervise On	5/28/2025 1:47:06 AM		
SubDirectory	PP052325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072306.D	23 May 2025 11:53	YP\AJ	Ok
2	AR1660CCC500	PP072307.D	23 May 2025 12:10	YP\AJ	Ok
3	AR1232CCC500	PP072308.D	23 May 2025 12:26	YP\AJ	Ok
4	AR1242CCC500	PP072309.D	23 May 2025 12:43	YP\AJ	Ok
5	AR1248CCC500	PP072310.D	23 May 2025 13:00	YP\AJ	Ok
6	AR1254CCC500	PP072311.D	23 May 2025 13:16	YP\AJ	Ok
7	I.BLK	PP072312.D	23 May 2025 13:33	YP\AJ	Ok
8	PB168149BL	PP072313.D	23 May 2025 13:49	YP\AJ	Ok
9	PB168149BS	PP072314.D	23 May 2025 14:06	YP\AJ	Ok
10	Q1872-18	PP072315.D	23 May 2025 14:22	YP\AJ	Not Ok
11	Q2109-01	PP072316.D	23 May 2025 14:39	YP\AJ	Ok,M
12	Q2111-01	PP072317.D	23 May 2025 14:55	YP\AJ	Ok,M
13	Q2112-01	PP072318.D	23 May 2025 15:11	YP\AJ	Not Ok
14	Q2112-01MS	PP072319.D	23 May 2025 15:28	YP\AJ	Ok,M
15	Q2112-01MSD	PP072320.D	23 May 2025 15:44	YP\AJ	Ok,M
16	Q2113-01	PP072321.D	23 May 2025 16:00	YP\AJ	Ok,M
17	AR1660CCC500	PP072322.D	23 May 2025 17:22	YP\AJ	Ok
18	AR1232CCC500	PP072323.D	23 May 2025 17:38	YP\AJ	Ok
19	AR1242CCC500	PP072324.D	23 May 2025 17:55	YP\AJ	Ok
20	AR1248CCC500	PP072325.D	23 May 2025 18:11	YP\AJ	Ok
21	I.BLK	PP072326.D	23 May 2025 18:27	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

Review By	yogesh	Review On	5/23/2025 10:55:36 AM		
Supervise By	mohammad	Supervise On	5/28/2025 1:47:06 AM		
SubDirectory	PP052325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168144BL	PP072327.D	23 May 2025 18:44	YP\AJ	Ok
23	PB168144BS	PP072328.D	23 May 2025 19:00	YP\AJ	Not Ok
24	PB168144BSD	PP072329.D	23 May 2025 19:17	YP\AJ	Not Ok
25	Q2102-03	PP072330.D	23 May 2025 19:33	YP\AJ	Not Ok
26	Q2106-01	PP072331.D	23 May 2025 19:49	YP\AJ	Ok
27	Q2110-01	PP072332.D	23 May 2025 20:06	YP\AJ	Ok,M
28	Q2110-02	PP072333.D	23 May 2025 20:22	YP\AJ	ReRun
29	AR1660CCC500	PP072334.D	23 May 2025 21:27	YP\AJ	Ok
30	AR1232CCC500	PP072335.D	23 May 2025 22:00	YP\AJ	Ok
31	AR1242CCC500	PP072336.D	23 May 2025 22:16	YP\AJ	Ok
32	AR1248CCC500	PP072337.D	23 May 2025 22:33	YP\AJ	Ok
33	I.BLK	PP072338.D	23 May 2025 22:49	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052425

Review By	yogesh	Review On	5/23/2025 3:05:58 PM		
Supervise By	mohammad	Supervise On	5/28/2025 1:48:47 AM		
SubDirectory	PP052425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072339.D	23 May 2025 23:38	YP\AJ	Ok
2	I.BLK	PP072340.D	23 May 2025 23:54	YP\AJ	Ok
3	AR1221ICC1000	PP072341.D	24 May 2025 00:10	YP\AJ	Ok
4	AR1221ICC750	PP072342.D	24 May 2025 00:27	YP\AJ	Ok
5	AR1221ICC500	PP072343.D	24 May 2025 00:43	YP\AJ	Ok
6	AR1221ICC250	PP072344.D	24 May 2025 00:59	YP\AJ	Ok
7	AR1221ICC050	PP072345.D	24 May 2025 01:16	YP\AJ	Ok
8	AR1221ICV500	PP072346.D	24 May 2025 01:32	YP\AJ	Ok
9	AR1660CCC500	PP072347.D	24 May 2025 02:05	YP\AJ	Ok
10	AR1221CCC500	PP072348.D	24 May 2025 02:37	YP\AJ	Ok
11	I.BLK	PP072349.D	24 May 2025 03:26	YP\AJ	Ok
12	PB168149BL	PP072350.D	24 May 2025 03:59	YP\AJ	Not Ok
13	PB168149BS	PP072351.D	24 May 2025 04:15	YP\AJ	Not Ok
14	Q1872-18	PP072352.D	24 May 2025 04:31	YP\AJ	Dilution
15	Q1872-18DL	PP072353.D	24 May 2025 04:48	YP\AJ	Not Ok
16	Q1872-18DL	PP072354.D	24 May 2025 05:04	YP\AJ	Not Ok
17	Q1872-18DL	PP072355.D	24 May 2025 05:20	YP\AJ	Ok
18	AR1660CCC500	PP072356.D	24 May 2025 05:36	YP\AJ	Ok
19	AR1221CCC500	PP072357.D	24 May 2025 06:09	YP\AJ	Ok
20	I.BLK	PP072358.D	24 May 2025 06:58	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052825

Review By	yogesh	Review On	5/28/2025 11:07:43 AM		
Supervise By	mohammad	Supervise On	6/3/2025 1:58:39 AM		
SubDirectory	PP052825	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072403.D	28 May 2025 14:09	YP\AJ	Ok
2	AR1660CCC500	PP072404.D	28 May 2025 14:25	YP\AJ	Ok
3	AR1221CCC500	PP072405.D	28 May 2025 14:41	YP\AJ	Ok,M
4	AR1232CCC500	PP072406.D	28 May 2025 14:57	YP\AJ	Ok,M
5	AR1242CCC500	PP072407.D	28 May 2025 15:14	YP\AJ	Ok,M
6	AR1248CCC500	PP072408.D	28 May 2025 15:30	YP\AJ	Ok,M
7	AR1254CCC500	PP072409.D	28 May 2025 16:05	YP\AJ	Ok
8	I.BLK	PP072410.D	28 May 2025 16:21	YP\AJ	Ok,M
9	PB168154BL	PP072411.D	28 May 2025 16:37	YP\AJ	Ok
10	PB168154BS	PP072412.D	28 May 2025 16:53	YP\AJ	Ok,M
11	Q1872-19	PP072413.D	28 May 2025 17:10	YP\AJ	Ok,M
12	Q2131-01	PP072414.D	28 May 2025 17:26	YP\AJ	Ok,M
13	Q2131-03	PP072415.D	28 May 2025 17:42	YP\AJ	Ok,M
14	Q2131-05	PP072416.D	28 May 2025 17:59	YP\AJ	Ok,M
15	Q2131-07	PP072417.D	28 May 2025 18:15	YP\AJ	Ok,M
16	PB168149BL	PP072418.D	28 May 2025 18:31	YP\AJ	Not Ok
17	AR1660CCC500	PP072419.D	28 May 2025 20:09	YP\AJ	Ok
18	AR1221CCC500	PP072420.D	28 May 2025 20:41	YP\AJ	Ok,M
19	AR1232CCC500	PP072421.D	28 May 2025 20:58	YP\AJ	Ok
20	AR1242CCC500	PP072422.D	28 May 2025 21:47	YP\AJ	Ok,M
21	I.BLK	PP072423.D	28 May 2025 22:03	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072162.D	19 May 2025 09:09		YP\AJ	Ok
2	I.BLK	I.BLK	PP072163.D	19 May 2025 09:26		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072164.D	19 May 2025 09:42		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072165.D	19 May 2025 09:59		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072166.D	19 May 2025 10:15		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072167.D	19 May 2025 10:32		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP072168.D	19 May 2025 10:48		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072169.D	19 May 2025 11:05		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP072170.D	19 May 2025 11:21		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP072171.D	19 May 2025 11:38		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP072172.D	19 May 2025 11:54		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP072173.D	19 May 2025 12:10		YP\AJ	Ok
13	AR1232ICC050	AR1232ICC050	PP072174.D	19 May 2025 12:27		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP072175.D	19 May 2025 12:43		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP072176.D	19 May 2025 12:59		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP072177.D	19 May 2025 13:15		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP072178.D	19 May 2025 13:32		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP072179.D	19 May 2025 13:48		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC1000	AR1248ICC1000	PP072180.D	19 May 2025 14:04		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP072181.D	19 May 2025 14:20		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP072182.D	19 May 2025 14:37		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP072183.D	19 May 2025 14:53		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP072184.D	19 May 2025 15:25		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP072185.D	19 May 2025 15:42		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP072186.D	19 May 2025 15:58		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP072187.D	19 May 2025 16:14		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP072188.D	19 May 2025 16:31		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP072189.D	19 May 2025 16:47		YP\AJ	Ok,M
29	AR1262ICC500	AR1262ICC500	PP072190.D	19 May 2025 17:03		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP072191.D	19 May 2025 17:20		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP072192.D	19 May 2025 17:36		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP072193.D	19 May 2025 17:53		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP072194.D	19 May 2025 18:09		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP072195.D	19 May 2025 18:25		YP\AJ	Ok,M
35	PP051925ICV500	ICVPP051925	PP072196.D	19 May 2025 18:42		YP\AJ	Ok
36	AR1232ICV500	ICVPP051925AR1232	PP072197.D	19 May 2025 19:14		YP\AJ	Ok
37	AR1242ICV500	ICVPP051925AR1242	PP072198.D	19 May 2025 19:47		YP\AJ	Ok

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Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1248ICV500	ICVPP051925AR1248	PP072199.D	19 May 2025 20:19		YP\AJ	Ok
39	AR1254ICV500	ICVPP051925AR1254	PP072200.D	19 May 2025 20:52		YP\AJ	Ok
40	AR1268ICV500	ICVPP051925AR1268	PP072201.D	19 May 2025 21:25		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

Review By	yogesh	Review On	5/23/2025 10:55:36 AM		
Supervise By	mohammad	Supervise On	5/28/2025 1:47:06 AM		
SubDirectory	PP052325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072306.D	23 May 2025 11:53		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072307.D	23 May 2025 12:10		YP\AJ	Ok
3	AR1232CCC500	AR1232CCC500	PP072308.D	23 May 2025 12:26		YP\AJ	Ok
4	AR1242CCC500	AR1242CCC500	PP072309.D	23 May 2025 12:43		YP\AJ	Ok
5	AR1248CCC500	AR1248CCC500	PP072310.D	23 May 2025 13:00		YP\AJ	Ok
6	AR1254CCC500	AR1254CCC500	PP072311.D	23 May 2025 13:16		YP\AJ	Ok
7	I.BLK	I.BLK	PP072312.D	23 May 2025 13:33		YP\AJ	Ok
8	PB168149BL	PB168149BL	PP072313.D	23 May 2025 13:49		YP\AJ	Ok
9	PB168149BS	PB168149BS	PP072314.D	23 May 2025 14:06		YP\AJ	Ok
10	Q1872-18	HW0425-PT-PCB-SOIL	PP072315.D	23 May 2025 14:22	AR1221 Hit , need dilution, need 5poits of ical	YP\AJ	Not Ok
11	Q2109-01	TP-02-MHF	PP072316.D	23 May 2025 14:39		YP\AJ	Ok,M
12	Q2111-01	34899	PP072317.D	23 May 2025 14:55		YP\AJ	Ok,M
13	Q2112-01	EO-03-05222025	PP072318.D	23 May 2025 15:11	F Flag in TCMX in 2nd column	YP\AJ	Not Ok
14	Q2112-01MS	EO-03-05222025MS	PP072319.D	23 May 2025 15:28		YP\AJ	Ok,M
15	Q2112-01MSD	EO-03-05222025MSD	PP072320.D	23 May 2025 15:44		YP\AJ	Ok,M
16	Q2113-01	HD-02-05222025	PP072321.D	23 May 2025 16:00		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072322.D	23 May 2025 17:22		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052325

Review By	yogesh	Review On	5/23/2025 10:55:36 AM		
Supervise By	mohammad	Supervise On	5/28/2025 1:47:06 AM		
SubDirectory	PP052325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	AR1232CCC500	AR1232CCC500	PP072323.D	23 May 2025 17:38		YP\AJ	Ok
19	AR1242CCC500	AR1242CCC500	PP072324.D	23 May 2025 17:55		YP\AJ	Ok
20	AR1248CCC500	AR1248CCC500	PP072325.D	23 May 2025 18:11		YP\AJ	Ok
21	I.BLK	I.BLK	PP072326.D	23 May 2025 18:27		YP\AJ	Ok
22	PB168144BL	PB168144BL	PP072327.D	23 May 2025 18:44		YP\AJ	Ok
23	PB168144BS	PB168144BS	PP072328.D	23 May 2025 19:00	AR1260 recovery fail	YP\AJ	Not Ok
24	PB168144BSD	PB168144BSD	PP072329.D	23 May 2025 19:17	BS fail	YP\AJ	Not Ok
25	Q2102-03	LAW-25-0078	PP072330.D	23 May 2025 19:33	AR1254 + AR1260 Hit , AR1254 ccc missing	YP\AJ	Not Ok
26	Q2106-01	TW-WTS-09	PP072331.D	23 May 2025 19:49		YP\AJ	Ok
27	Q2110-01	60457	PP072332.D	23 May 2025 20:06		YP\AJ	Ok,M
28	Q2110-02	60458	PP072333.D	23 May 2025 20:22	DCB Low in both column	YP\AJ	ReRun
29	AR1660CCC500	AR1660CCC500	PP072334.D	23 May 2025 21:27		YP\AJ	Ok
30	AR1232CCC500	AR1232CCC500	PP072335.D	23 May 2025 22:00		YP\AJ	Ok
31	AR1242CCC500	AR1242CCC500	PP072336.D	23 May 2025 22:16		YP\AJ	Ok
32	AR1248CCC500	AR1248CCC500	PP072337.D	23 May 2025 22:33		YP\AJ	Ok
33	I.BLK	I.BLK	PP072338.D	23 May 2025 22:49		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052425

Review By	yogesh	Review On	5/23/2025 3:05:58 PM		
Supervise By	mohammad	Supervise On	5/28/2025 1:48:47 AM		
SubDirectory	PP052425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072339.D	23 May 2025 23:38		YP\AJ	Ok
2	I.BLK	I.BLK	PP072340.D	23 May 2025 23:54		YP\AJ	Ok
3	AR1221ICC1000	AR1221ICC1000	PP072341.D	24 May 2025 00:10		YP\AJ	Ok
4	AR1221ICC750	AR1221ICC750	PP072342.D	24 May 2025 00:27		YP\AJ	Ok
5	AR1221ICC500	AR1221ICC500	PP072343.D	24 May 2025 00:43		YP\AJ	Ok
6	AR1221ICC250	AR1221ICC250	PP072344.D	24 May 2025 00:59		YP\AJ	Ok
7	AR1221ICC050	AR1221ICC050	PP072345.D	24 May 2025 01:16		YP\AJ	Ok
8	AR1221ICV500	ICVPP052425AR1221	PP072346.D	24 May 2025 01:32		YP\AJ	Ok
9	AR1660CCC500	AR1660CCC500	PP072347.D	24 May 2025 02:05		YP\AJ	Ok
10	AR1221CCC500	AR1221CCC500	PP072348.D	24 May 2025 02:37		YP\AJ	Ok
11	I.BLK	I.BLK	PP072349.D	24 May 2025 03:26		YP\AJ	Ok
12	PB168149BL	PB168149BL	PP072350.D	24 May 2025 03:59	Not Used	YP\AJ	Not Ok
13	PB168149BS	PB168149BS	PP072351.D	24 May 2025 04:15	Already analyzed	YP\AJ	Not Ok
14	Q1872-18	HW0425-PT-PCB-SOIL	PP072352.D	24 May 2025 04:31	need dilution, AR1221 hit	YP\AJ	Dilution
15	Q1872-18DL	HW0425-PT-PCB-SOIL	PP072353.D	24 May 2025 04:48	Need further dilution, , AR1221 hit	YP\AJ	Not Ok
16	Q1872-18DL	HW0425-PT-PCB-SOIL	PP072354.D	24 May 2025 05:04	Need further dilution, , AR1221 hit	YP\AJ	Not Ok
17	Q1872-18DL	HW0425-PT-PCB-SOIL	PP072355.D	24 May 2025 05:20	AR1221 hit	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052425

Review By	yogesh	Review On	5/23/2025 3:05:58 PM		
Supervise By	mohammad	Supervise On	5/28/2025 1:48:47 AM		
SubDirectory	PP052425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	AR1660CCC500	AR1660CCC500	PP072356.D	24 May 2025 05:36		YP\AJ	Ok
19	AR1221CCC500	AR1221CCC500	PP072357.D	24 May 2025 06:09		YP\AJ	Ok
20	I.BLK	I.BLK	PP072358.D	24 May 2025 06:58		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052825

Review By	yogesh	Review On	5/28/2025 11:07:43 AM		
Supervise By	mohammad	Supervise On	6/3/2025 1:58:39 AM		
SubDirectory	PP052825	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072403.D	28 May 2025 14:09		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072404.D	28 May 2025 14:25		YP\AJ	Ok
3	AR1221CCC500	AR1221CCC500	PP072405.D	28 May 2025 14:41		YP\AJ	Ok,M
4	AR1232CCC500	AR1232CCC500	PP072406.D	28 May 2025 14:57		YP\AJ	Ok,M
5	AR1242CCC500	AR1242CCC500	PP072407.D	28 May 2025 15:14		YP\AJ	Ok,M
6	AR1248CCC500	AR1248CCC500	PP072408.D	28 May 2025 15:30		YP\AJ	Ok,M
7	AR1254CCC500	AR1254CCC500	PP072409.D	28 May 2025 16:05		YP\AJ	Ok
8	I.BLK	I.BLK	PP072410.D	28 May 2025 16:21		YP\AJ	Ok,M
9	PB168154BL	PB168154BL	PP072411.D	28 May 2025 16:37		YP\AJ	Ok
10	PB168154BS	PB168154BS	PP072412.D	28 May 2025 16:53		YP\AJ	Ok,M
11	Q1872-19	HW0425-PT-PCBO-SO	PP072413.D	28 May 2025 17:10	AR1221 Hit	YP\AJ	Ok,M
12	Q2131-01	CAM-40624	PP072414.D	28 May 2025 17:26		YP\AJ	Ok,M
13	Q2131-03	CAM-40625	PP072415.D	28 May 2025 17:42		YP\AJ	Ok,M
14	Q2131-05	CAM-40626	PP072416.D	28 May 2025 17:59		YP\AJ	Ok,M
15	Q2131-07	CAM-40627	PP072417.D	28 May 2025 18:15		YP\AJ	Ok,M
16	PB168149BL	PB168149BL	PP072418.D	28 May 2025 18:31	already analyzed	YP\AJ	Not Ok
17	AR1660CCC500	AR1660CCC500	PP072419.D	28 May 2025 20:09		YP\AJ	Ok
18	AR1221CCC500	AR1221CCC500	PP072420.D	28 May 2025 20:41		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP052825

Review By	yogesh	Review On	5/28/2025 11:07:43 AM		
Supervise By	mohammad	Supervise On	6/3/2025 1:58:39 AM		
SubDirectory	PP052825	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1232CCC500	AR1232CCC500	PP072421.D	28 May 2025 20:58		YP\AJ	Ok
20	AR1242CCC500	AR1242CCC500	PP072422.D	28 May 2025 21:47		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072423.D	28 May 2025 22:03		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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
Q1869-01	MH-F	1	1.14	10.43	11.57	10.47	89.5	
Q1869-02	MH-F-EPH	2	1.18	9.96	11.14	10.12	89.8	
Q1869-03	MH-F-VOC	3	1.16	10.28	11.44	10.4	89.9	
Q1871-01	MH-A	4	1.14	9.59	10.73	9.86	90.9	
Q1871-02	MH-A-EPH	5	1.18	9.97	11.15	10.25	91.0	
Q1871-03	MH-A-VOC	6	1.15	10.22	11.37	10.47	91.2	
Q1871-05	MH-B	7	1.18	10.31	11.49	10.58	91.2	
Q1871-06	MH-B-EPH	8	1.16	9.63	10.79	10.05	92.3	
Q1871-07	MH-B-VOC	9	1.18	10.35	11.53	10.75	92.5	
Q1872-01	HW0425-PT-AN-SOIL	31	1.00	1.00	2.00	2.00	100.0	
Q1872-02	HW0425-PT-CORR-SOIL	32	1.00	1.00	2.00	2.00	100.0	
Q1872-03	HW0425-PT-CN-SOIL	33	1.00	1.00	2.00	2.00	100.0	
Q1872-04	HW0425-PT-CN-SOIL	34	1.00	1.00	2.00	2.00	100.0	
Q1872-05	HW0425-PT-FP-SOIL	35	1.00	1.00	2.00	2.00	100.0	
Q1872-06	HW0425-PT-CR6-SOIL	36	1.00	1.00	2.00	2.00	100.0	
Q1872-07	HW0425-PT-NUT-SOIL	37	1.00	1.00	2.00	2.00	100.0	
Q1872-08	HW0425-PT-NUT-SOIL	38	1.00	1.00	2.00	2.00	100.0	
Q1872-09	HW0425-PT-OGR-SOIL	39	1.00	1.00	2.00	2.00	100.0	
Q1872-10	HW0425-PT-MET-SOIL	40	1.00	1.00	2.00	2.00	100.0	
Q1872-11	HW0425-PT-BNA-SOIL	41	1.00	1.00	2.00	2.00	100.0	
Q1872-12	HW0425-PT-TRIAZINE-SOIL	42	1.00	1.00	2.00	2.00	100.0	
Q1872-13	HW0425-PT-PAH-SOIL	43	1.00	1.00	2.00	2.00	100.0	
Q1872-14	HW0425-PT-DIES-SOIL	44	1.00	1.00	2.00	2.00	100.0	
Q1872-15	HW0425-PT-GAS-SOIL	45	1.00	1.00	2.00	2.00	100.0	
Q1872-16	HW0425-PT-NJEPH-SOIL	46	1.00	1.00	2.00	2.00	100.0	
Q1872-17	HW0425-PT-HERB-SOIL	47	1.00	1.00	2.00	2.00	100.0	
Q1872-18	HW0425-PT-PCB-SOIL	48	1.00	1.00	2.00	2.00	100.0	
Q1872-19	HW0425-PT-PCBO-SOIL	49	1.00	1.00	2.00	2.00	100.0	

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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
Q1872-20	HW0425-PT-PEST-SOIL	50	1.00	1.00	2.00	2.00	100.0	
Q1872-21	HW0425-PT-CHLR-SOIL	51	1.00	1.00	2.00	2.00	100.0	
Q1872-22	HW0425-PT-TXP-SOIL	52	1.00	1.00	2.00	2.00	100.0	
Q1872-23	HW0425-PT-VOA-SOIL	53	1.00	1.00	2.00	2.00	100.0	
Q1872-25	HW0425-PT-NO2-SOIL	54	1.00	1.00	2.00	2.00	100.0	
Q1873-01	CAM-40619	10	1.14	10.70	11.84	4.97	35.8	
Q1873-02	CAM-40620	11	1.15	10.42	11.57	6.19	48.4	
Q1873-03	CAM-40619-20	12	1.18	10.21	11.39	4.77	35.2	
Q1874-01	VNJ-236	13	1.19	10.45	11.64	10.89	92.8	
Q1874-03	RT1491	14	1.19	11.16	12.35	11.43	91.8	
Q1874-05	HT3727	15	1.16	10.63	11.79	11.06	93.1	
Q1875-01	AUD-25-0053	16	1.14	10.75	11.89	11.19	93.5	
Q1875-03	AUD-25-0054	17	1.14	10.02	11.16	10.52	93.6	
Q1875-04	AUD-25-0024	18	1.14	10.03	11.17	10.77	96.0	
Q1876-01	AUD-25-0058	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-02	AUD-25-0059	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-03	AUD-25-0060	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-04	AUD-25-0061	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-05	AUD-25-0062	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-06	AUD-25-0063	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-07	AUD-25-0064	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-08	AUD-25-0065	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-09	AUD-25-0066	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1877-01	AU-6-042425	55	1.14	10.25	11.39	10.72	93.5	
Q1877-02	AU-6-042425	28	1.14	10.21	11.35	10.54	92.1	
Q1878-01	TR-4-042425	29	1.14	10.17	11.31	11.2	98.9	
Q1878-02	TR-4-042425-E2	30	1.19	10.28	11.47	10.92	94.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Q1872-PCB

WORKLIST(Hardcopy Internal Chain)

LB 135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1869-01	MH-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-02	MH-F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-03	MH-F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-01	MH-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-02	MH-A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-03	MH-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-05	MH-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-06	MH-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-07	MH-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-01	HW0425-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-02	HW0425-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-03	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-04	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-05	HW0425-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-06	HW0425-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-07	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-08	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-09	HW0425-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-10	HW0425-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-11	HW0425-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO

546 of 648

Date/Time 04/24/25 1530

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/24/25 1725

Raw Sample Received by:

Raw Sample Relinquished by:

Q1872-PCB

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-13	HW0425-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-15	HW0425-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-18	HW0425-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-20	HW0425-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-22	HW0425-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-23	HW0425-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-25	HW0425-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-01	CAM-40619	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-02	CAM-40620	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-03	CAM-40619-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-03	RT1491	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-05	HT3727	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-01	AUD-25-0053	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-03	AUD-25-0054	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-04	AUD-25-0024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO

547 of 648

Date/Time 04/24/25 15:30

Raw Sample Received by: JD WDC

Raw Sample Relinquished by: SH

Date/Time 04/24/25 17:25

Raw Sample Received by: SH

Raw Sample Relinquished by: JD WDC

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Q1872-PCB

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1876-01	AUD-25-0058	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-02	AUD-25-0059	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-03	AUD-25-0060	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-04	AUD-25-0061	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-05	AUD-25-0062	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-06	AUD-25-0063	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-07	AUD-25-0064	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-08	AUD-25-0065	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-09	AUD-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-01	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-02	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-01	TR-4-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-02	TR-4-042425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO

548 of 648

Date/Time 04/24/25 15:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] SM

Date/Time 04/24/25 17:25

Raw Sample Received by: [signature] SM

Raw Sample Relinquished by: [signature]

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Q1872-PCB

WORKLIST(Hardcopy Internal Chain)

VB B5575

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

551 of 648

Date/Time 04/28/25 16:15

Raw Sample Received by: -20 deg C

Raw Sample Relinquished by:

Date/Time 04/28/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: -20 deg C

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Q1872-PCB

WORKLIST(Hardcopy Internal Chain)

WB 1355775

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	WALS01	L51	04/28/2025	Chemtech -SO

552 of 648

Date/Time 04/28/25 16:15

Raw Sample Received by: JD WOC

Raw Sample Relinquished by:

Date/Time 04/28/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JD WOC

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168149

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 05/23/2025

Extraction Start Time : 09:18

Extraction End Date : 05/23/2025

Extraction End Time : 12:25

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
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	EP2613
Baked Na2SO4	N/A	EP2614
Sand	N/A	E2865
Hexane	N/A	E3934
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/23/25	RS (G4-lab)	Y-PREP+PG3
12:30	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168149

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/23/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168149BL	ABLK149	PCB	30.03	N/A	ritesh	Evelyn	10			U1-1
PB168149BS	ALCS149	PCB	30.01	N/A	ritesh	Evelyn	10			2
Q1872-18	HW0425-PT-PCB-SOIL	PCB	30.05	N/A	ritesh	Evelyn	10	A		3
Q2109-01	TP-02-MHF	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2111-01	34899	PCB	30.09	N/A	ritesh	Evelyn	10	E		5
Q2112-01	EO-03-05222025	PCB	30.08	N/A	ritesh	Evelyn	10	E		6
Q2112-01MS	EO-03-05222025MS	PCB	30.03	N/A	ritesh	Evelyn	10	E		U2-1
Q2112-01MSD	EO-03-05222025MSD	PCB	30.01	N/A	ritesh	Evelyn	10	E		2
Q2113-01	HD-02-05222025	PCB	30.04	N/A	ritesh	Evelyn	10	E		3

RJ
5/23

* **Extracts relinquished on the same date as received.**

5/23/25 9:18

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2111 **WorkList ID :** 189739 **Department :** Extraction **Date :** 05-23-2025 08:42:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-18	HW0425-PT-PCB-SOIL	Solid	PCB	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8082A
Q2109-01	TP-02-MHF	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/20/2025	8082A
Q2111-01	34899	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/22/2025	8082A
Q2112-01	EO-03-05222025	Solid	PCB	Cool 4 deg C	PSEG05	L31	05/22/2025	8082A
Q2113-01	HD-02-05222025	Solid	PCB	Cool 4 deg C	PSEG05	L31	05/22/2025	8082A

Date/Time 5/23/25 9:15
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: CP

Date/Time 5/23/25 9:40
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (Ext-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168154

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: RJ

Extraction By: RJ

Balance check: RJ

Filter By: N/A

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 05/28/2025

Extraction Start Time : 09:40

Extraction End Date : 05/28/2025

Extraction End Time : 12:30

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [√] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
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	EP2613
Baked Na2SO4	N/A	EP2614
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723, No MS/MSD performed as samples are waste dilution.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N/A

Envap Temperature: N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/28/25	RS (EX-lab)	Y.P PESHPU.
12:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168154

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168154BL	ABLK154	PCB	1.02	N/A	ritesh	Evelyn	10			
PB168154BS	ALCS154	PCB	1.01	N/A	ritesh	Evelyn	10			
Q1872-19	HW0425-PT-PCBO-SOIL	PCB	1.05	N/A	ritesh	Evelyn	10			
Q2131-01	CAM-40624	PCB	1.05	N/A	ritesh	Evelyn	10	A		
Q2131-03	CAM-40625	PCB	1.09	N/A	ritesh	Evelyn	10	A		
Q2131-05	CAM-40626	PCB	1.07	N/A	ritesh	Evelyn	10	A		
Q2131-07	CAM-40627	PCB	1.03	N/A	ritesh	Evelyn	10	A		

RS 5/28

* **Extracts relinquished on the same date as received.**

Q1872-PCB

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2131 **WorkList ID :** 189784 **Department :** Extraction **Date :** 05-28-2025 09:35:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	PCB	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8082A
Q2131-01	CAM-40624	Solid	PCB	Cool 4 deg C	PSEG03	L23	05/27/2025	8082A
Q2131-03	CAM-40625	Solid	PCB	Cool 4 deg C	PSEG03	L23	05/27/2025	8082A
Q2131-05	CAM-40626	Solid	PCB	Cool 4 deg C	PSEG03	L23	05/27/2025	8082A
Q2131-07	CAM-40627	Solid	PCB	Cool 4 deg C	PSEG03	L23	05/27/2025	8082A

Date/Time 5/28/25 9:35

Raw Sample Received by: RJ (EXT-lab)

Raw Sample Relinquished by:

Date/Time 5/28/25 9:50

Raw Sample Received by:

Raw Sample Relinquished by: RJ (EXT-lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1872

Test : PCB

Prepbatch ID : PB168149,PB168154,

Sequence ID/Qc Batch ID: pp052325,PP052425,pp052825,

Standard ID :
EP2610,EP2613,EP2614,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24461,PP24597,

Chemical ID :
E2865,E3551,E3804,E3877,E3917,E3932,E3933,E3934,E3938,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12955,P12957,P13356,P13357,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2614	05/19/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/19/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP24331	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP24332	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP24333	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP24334	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24332 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP24335	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP24336	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
222	AR1221 500 PPB STD	PP24337	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP24338	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1081	AR1221 50 PPB STD	PP24339	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24337 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
214	AR1232 1000 PPB WORKING SOLUTION	PP24340	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP24341	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP24342	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP24343	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP24344	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24342 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP24345	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP24346	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
224	AR1242 500 PPB STD	PP24347	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP24348	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1069	AR1242 50 PPB STD	PP24349	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24347 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
216	AR1248 1000 PPB WORKING STD	PP24350	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP24351	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP24352	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP24353	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP24354	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24352 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP24355	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP24356	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
226	AR1254 500 PPB STD	PP24357	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP24358	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1073	AR1254 50 PPB STD	PP24359	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24357 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1529	AR1262 1000 PPB Working Solution	PP24360	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP24361	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP24362	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP24363	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP24364	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24362 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP24365	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP24366	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1533	AR1268 500 PPB STD	PP24367	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP24368	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3822	AR1268 50 PPB STD	PP24369	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24367 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
404	AR1660 100 PPM Stock Solution 2nd Source	PP24370	03/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
405	AR1660 1000/100 PPB ICV STD	PP24371	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP24372	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24371 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24373	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1886	AR1221 500 PPB ICV	PP24374	03/18/2025	08/12/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of E3877 + 0.50000ml of W3177 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24375	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP24376	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24375 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24377	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP24378	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24377 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24379	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP24380	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24379 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP24381	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1894	AR1254 500 PPB ICV	PP24382	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP24384	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP24385	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24384 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24386	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP24387	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24461	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 0.50000ml of P12955 + 99.50000ml of E3917 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24597	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	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	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	05/12/2025 / RUPESH	04/23/2025 / RUPESH	E3934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	06/05/2025 // RUPESH	05/14/2025 / RUPESH	E3938

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	10/11/2025	04/11/2025 / Abdul	12/20/2023 / Yogesh	P12955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RI on 7/24/23 E3551

Acetone
CMOS

avantor™ | J.T.Baker®

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 ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	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 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

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 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3934

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3938

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

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www.absolutestandards.com

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CERTIFIED WEIGHT REPORT

Part Number:	91867
Lot Number:	020823
Description:	WP 037 - Aroclor 1232 PCB Technical Mixture
Expiration Date:	020833
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	100
NIST Test ID#:	6UTB

Solvent/ Acet

Weight(s) shown below were combined and diluted to (mL): 100.0

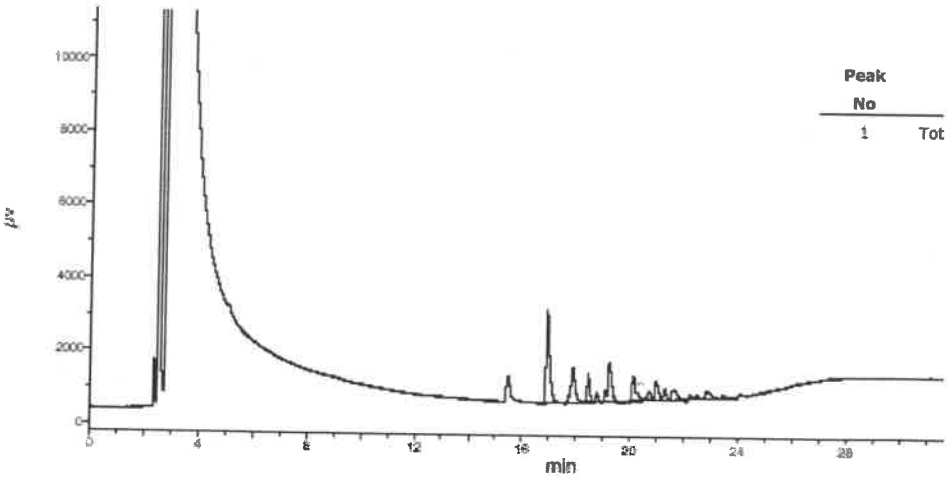
5E-05 Balance Uncertainty

0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Targ Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- 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 Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0203672

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,004.7 µg/mL	+/- 55.7515

* 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.)

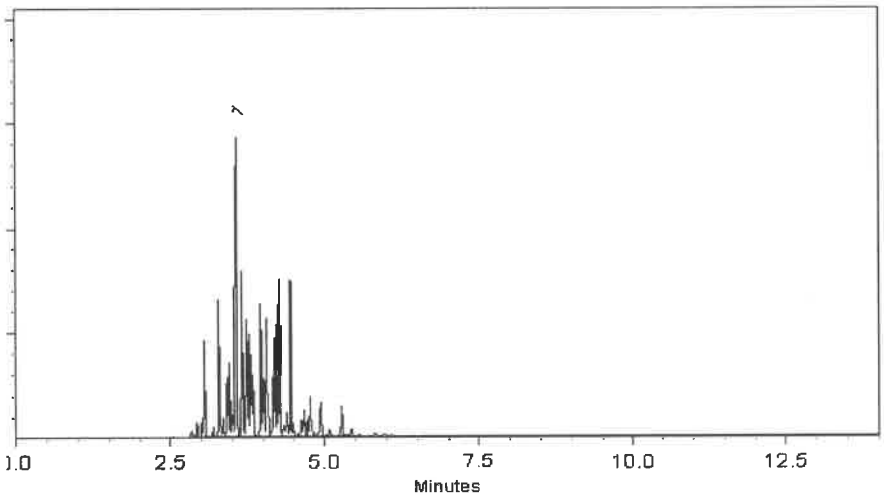
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 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.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.

P12933 ↓ P12937 AJ 12/07/23

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	----%	1,001.7 µg/mL	+/- 55.5850

* 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.)

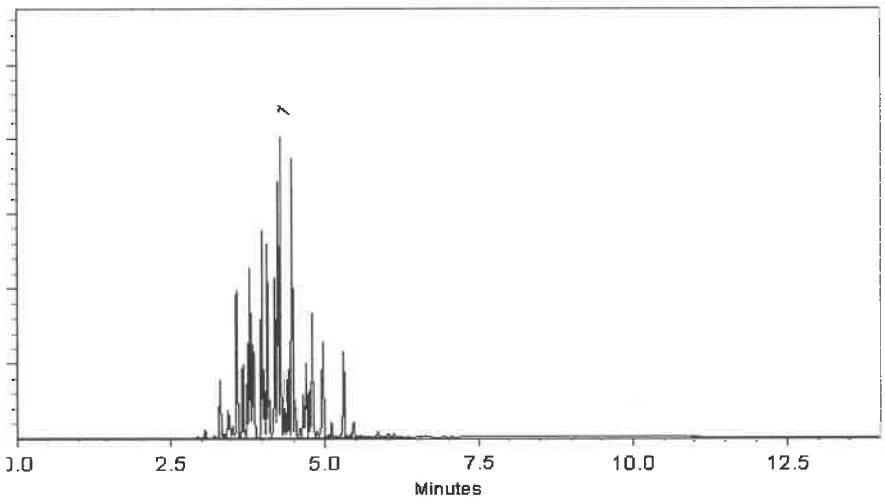
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 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.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

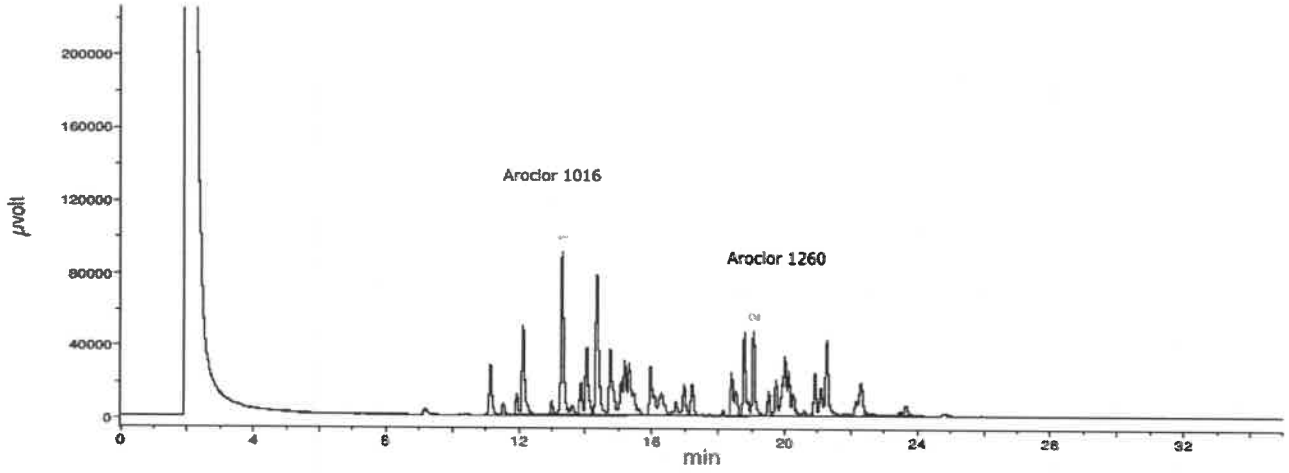
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20

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. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

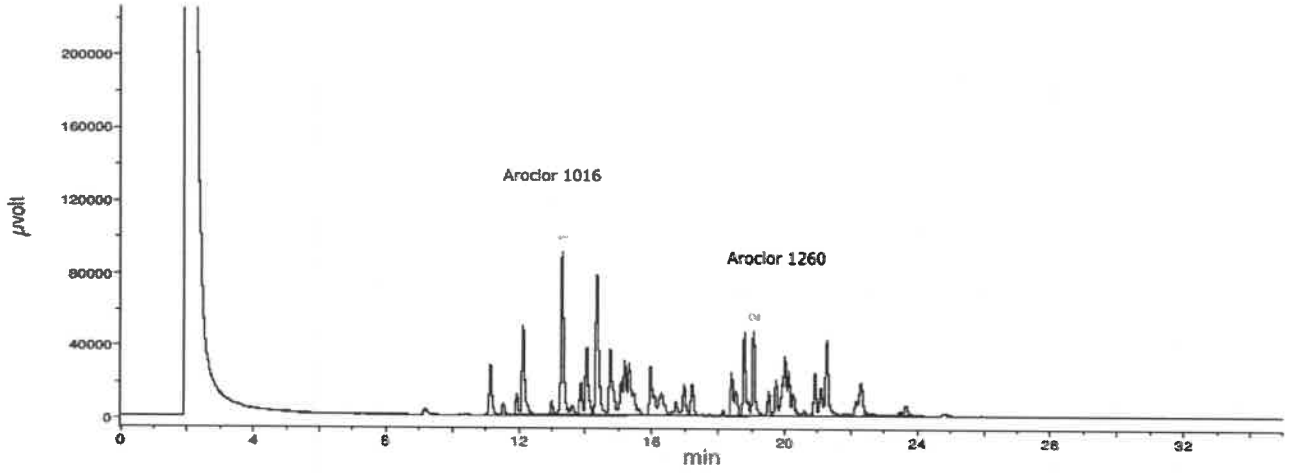
Formulated By: Benson Chan	022023 DATE
Reviewed By: Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20/23

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. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- 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).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

Note: Aroclor 1254 is a mix of isomers.

	121823	
Formulated By:	Anthony Mahoney	DATE
	121823	
Reviewed By:	Pedro L. Rentas	DATE

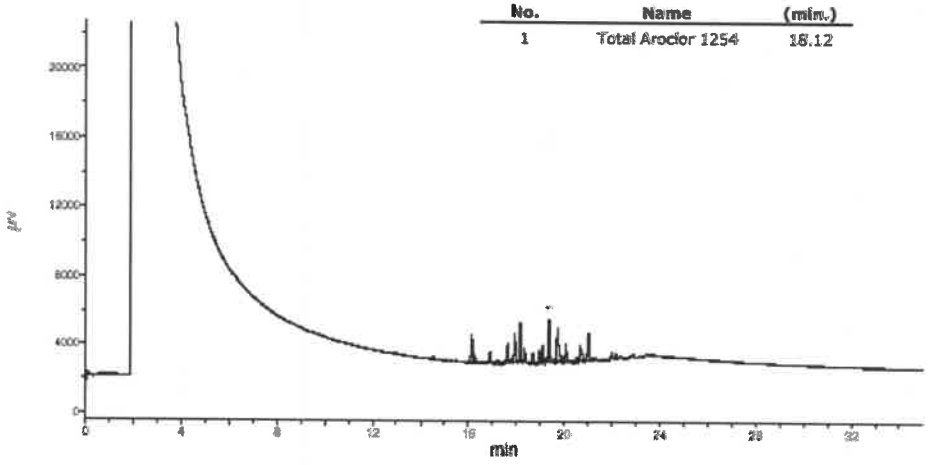
P12956 & P12957 Y-P 12/20/23

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10)
↓
P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

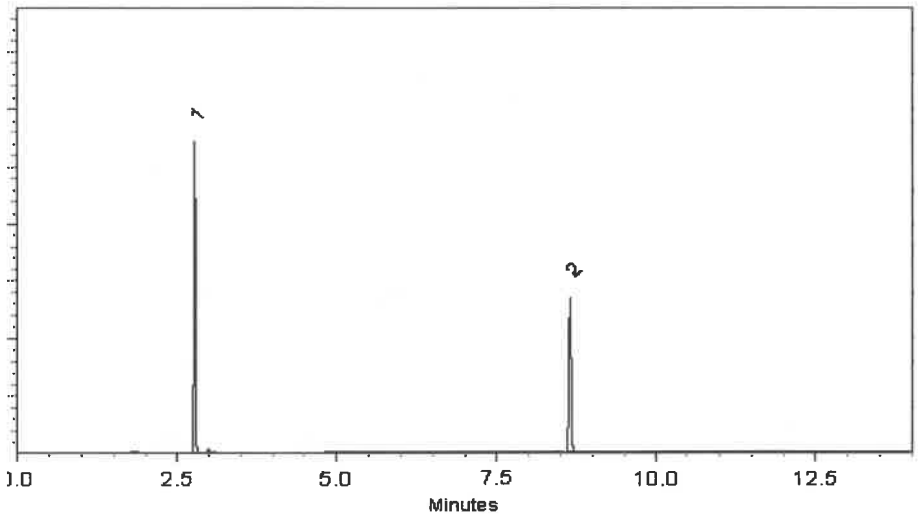
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10) → P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

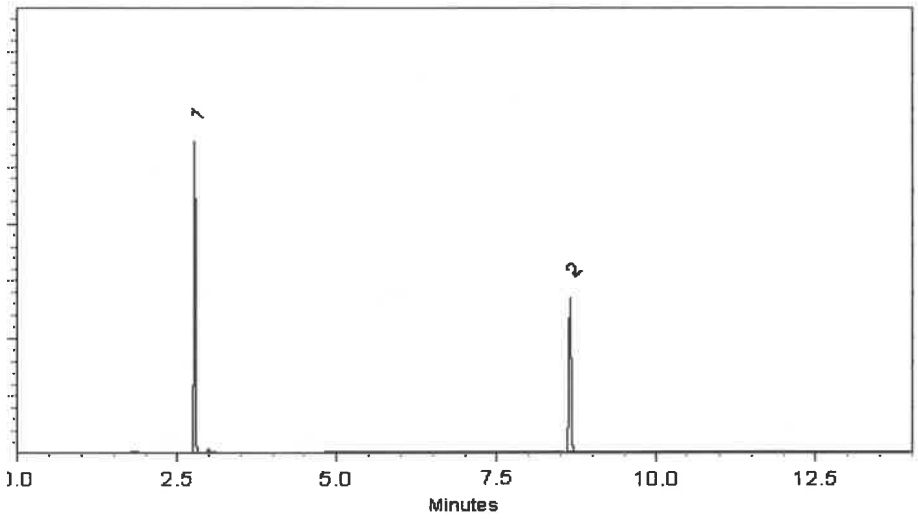
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 13348 (10)
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P13357
04/25/2025

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Mar-2032

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3	±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
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P133f3

AJ
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CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

Agilent

Trusted Answers

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0207475

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	10947000	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13380 2
P 13381 1

05/6/2024

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.)

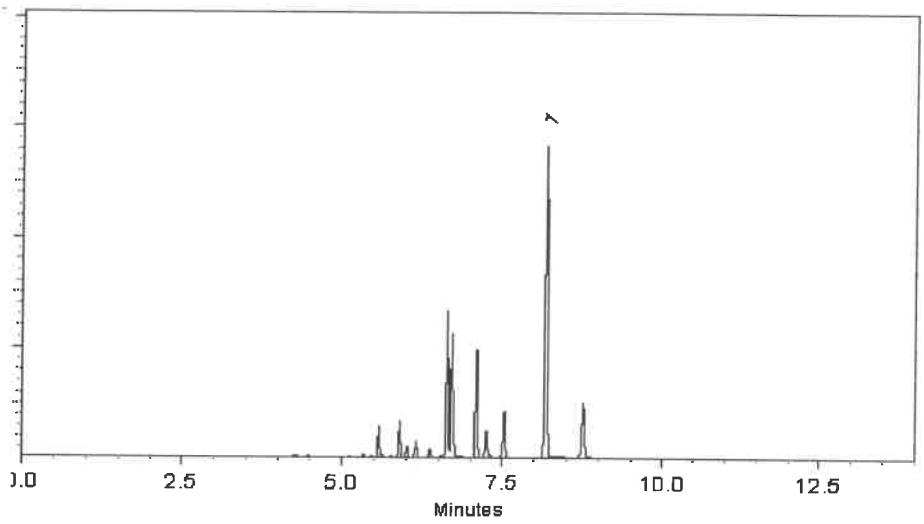
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 500:1

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.

Michael Maye - Operations Tech I **Date Mixed:** 06-Feb-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I **Date Passed:** 09-Feb-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13380 (2)
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P13381
1

05/6/2024

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1242	100.4 ±	0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
↓
P13590

AJ
10/14/24

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1248 Standard
Product Number: PP-342-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006726317
Lot Issue Date: 27-Jan-2023
Expiration Date: 28-Feb-2031

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591 ↓ P13592

AJ 10/14/2024

Agilent

Trusted Answers

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB
ANSI National Accreditation Board
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.1

ISO 17025

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CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

P13697 → P13701 Y.P. 10/19/24

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* 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.)

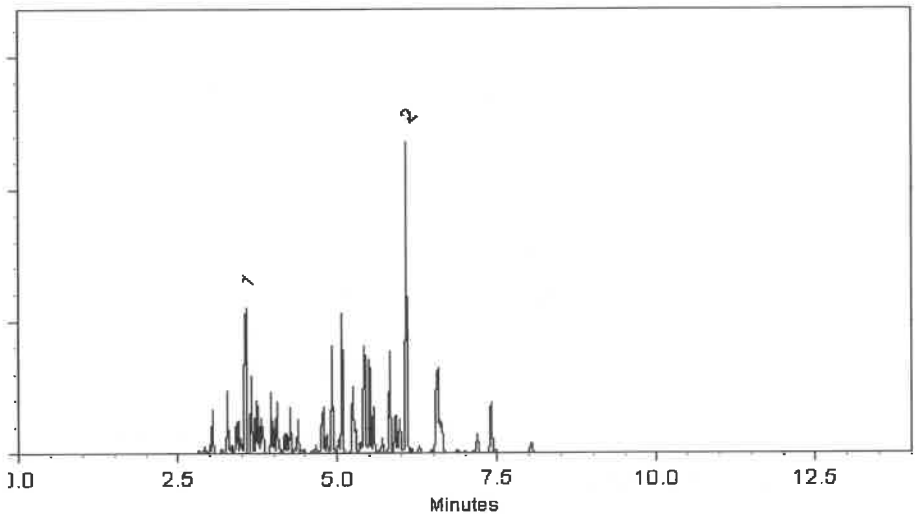
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 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.

Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0215270

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* 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.)

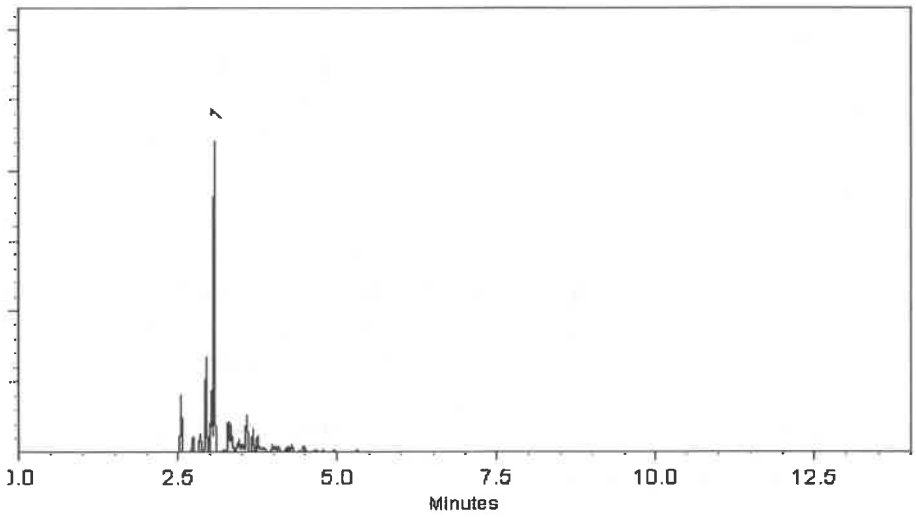
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
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.

Michael Maye - Operations Tech I — **Date Mixed:** 16-Aug-2024 — **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC — **Date Passed:** 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830 ↓ P13832 AJ 12/09/24

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.)

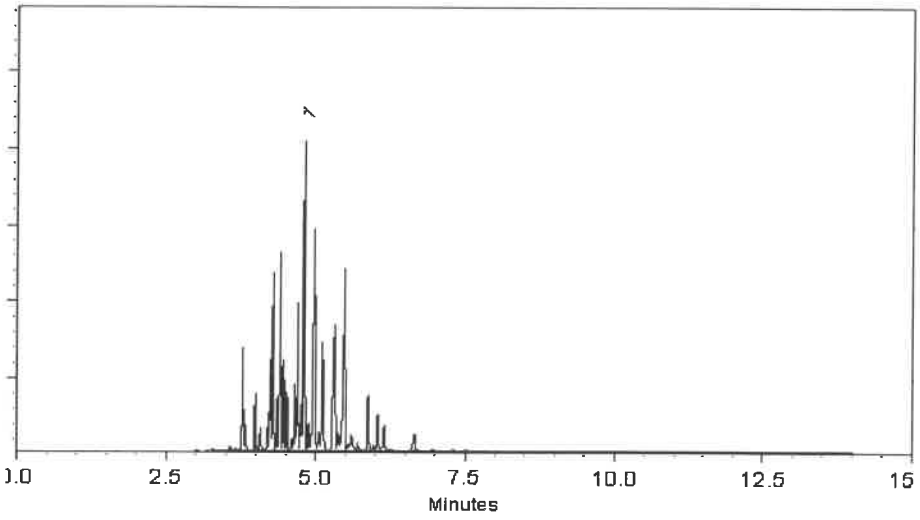
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
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.

Michael Maye - Operations Tech I — **Date Mixed:** 02-Oct-2024 — **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC — **Date Passed:** 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13878
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P13880

AJ
01/28/25

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.)

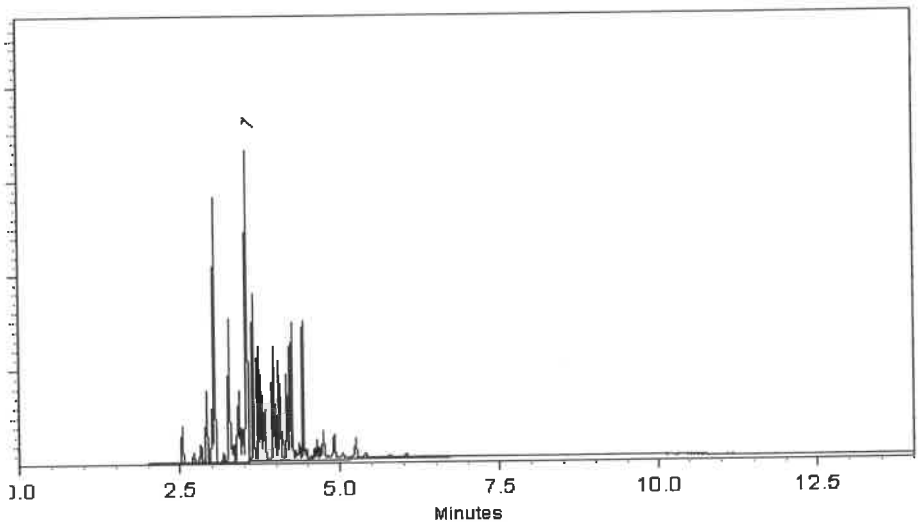
Inj. Temp:
250°C

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.

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0220950

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1262	37324-23-5	10849100	----%	1,002.0 µg/mL	+/- 55.6035

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13852
↓
P13853

AJ
01/28/25

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.)

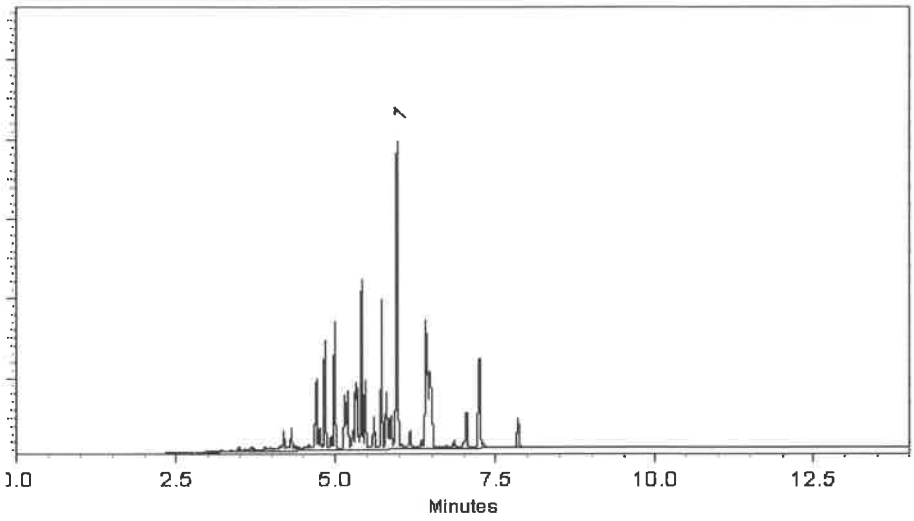
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 14-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147
W3147 update: 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

phenova® | A Phenomenex® Company
Certified Reference Materials

Packing List

Date	Order #
04/21/2025	333293

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received by: SJ
4/23/2025 15:50

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

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.
PO2-1668	Net 30	ZCM-100	1500470	FedEx Collect 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	HW0425	7100-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW0425	7100-05B
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW0425	7100-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW0425	7100-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW0425	7100-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW0425	7100-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW0425	7100-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW0425	7100-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW0425	7100-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW0425	7100-96
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW0425	7100-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW0425	7100-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW0425	7100-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW0425	7100-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW0425	7100-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW0425	7100-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW0425	7100-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW0425	7100-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW0425	7100-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW0425	7100-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW0425	7100-106
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW0425	7100-105

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
04/25/2025	337220

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
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Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
4/28/2025 9:40

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
CPR	Net 30	ZCM-100	1500470	FedEx Next Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW0425	7100-100

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488