

Cover Page

Order ID : Q3834

Project ID : US EPA Riverside Industrial Park Superfund Site

Client : Woodard & Curran

Lab Sample Number

Client Sample Number

Q3834-01	B119(0-1)120925
Q3834-02	B119(1-2)120925
Q3834-03	B119(2-4)120925
Q3834-04	B119(4-6)120925
Q3834-05	B119(6-8)120925
Q3834-06	B121(0-1)120925
Q3834-07	B121(1-2)120925
Q3834-08	B121(2-4)120925
Q3834-09	B121(4-6)120925
Q3834-10	B121(6-8)120925
Q3834-11	B123(0-1)120925
Q3834-12	B123(1-2)120925
Q3834-13	B123(2-4)120925
Q3834-14	B123(4-6)120925
Q3834-15	B123(6-8)120925
Q3834-16	B125(0-1)120925
Q3834-17	B125(1-2)120925
Q3834-18	B125(2-4)120925
Q3834-19	B125(4-6)120925
Q3834-20	B125(6-8)120925
Q3834-21	B128(0-1)120925
Q3834-22	B128(1-2)120925
Q3834-23	B128(2-4)120925
Q3834-24	B128(6-8)120925
Q3834-25	B128(4-6)120925
Q3834-26	B128(4-6)120925MS
Q3834-27	B128(4-6)120925MSD
Q3834-28	DUP-1-120925
Q3834-29	B127(5.5-8)120925

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

Signature : _____

Date: 12/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

Cover Page

Order ID : Q3834

Project ID : US EPA Riverside Industrial Park Superfund Site

Client : Woodard & Curran

Lab Sample Number

Q3834-30

Client Sample Number

B127(8-10)120925

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

Signature : _____

Date: 12/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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CASE NARRATIVE

Woodard & Curran

Project Name: US EPA Riverside Industrial Park Superfund Site

Project # N/A

Order ID # Q3834

Test Name: PCB

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 12/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB. 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 were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD met criteria.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

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

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



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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_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3834

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.			✓
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 requirements for all compounds . The Blank Spike met requirements for all compounds. The RPD met criteria.		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9. Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3834

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 Custody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/15/2025

LAB CHRONICLE

OrderID:	Q3834	OrderDate:	12/10/2025 1:42:00 PM
Client:	Woodard & Curran	Project:	US EPA Riverside Industrial Park Superfund Site
Contact:	Bruce Geno	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3834-29	B127(5.5-8)120925	SOIL	PCB	8082A	12/09/25	12/11/25	12/11/25	12/10/25
Q3834-30	B127(8-10)120925	SOIL	PCB	8082A	12/09/25	12/11/25	12/11/25	12/10/25



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Hit Summary Sheet
SW-846

SDG No.: Q3834

Order ID: Q3834

Client: Woodard & Curran

Project ID: US EPA Riverside Industrial Park Sup

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **Q3834**

Client: **Woodard & Curran**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PP076598.D	PIBLK-PP076598.D	Tetrachloro-m-xyl	1	20	22.0	110		70 (60)	130 (140)
		Decachlorobiphen	1	20	23.3	117		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	21.3	106		70 (60)	130 (140)
		Decachlorobiphen	2	20	22.1	110		70 (60)	130 (140)
I.BLK-PP076947.D	PIBLK-PP076947.D	Tetrachloro-m-xyl	1	20	19.3	97		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.4	97		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.1	85		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.4	82		70 (60)	130 (140)
PB170898BL	PB170898BL	Tetrachloro-m-xyl	1	20	24.3	121		30 (21)	150 (165)
		Decachlorobiphen	1	20	24.5	122		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	22.1	111		30 (21)	150 (165)
		Decachlorobiphen	2	20	20.9	105		30 (10)	150 (170)
PB170898BS	PB170898BS	Tetrachloro-m-xyl	1	20	24.6	123		30 (21)	150 (165)
		Decachlorobiphen	1	20	24.6	123		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.2	106		30 (21)	150 (165)
		Decachlorobiphen	2	20	20.9	105		30 (10)	150 (170)
Q3831-01MS	PL-01-12102025MS	Tetrachloro-m-xyl	1	20	25.7	128		30 (21)	150 (165)
		Decachlorobiphen	1	20	21.1	106		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.9	110		30 (21)	150 (165)
		Decachlorobiphen	2	20	17.7	88		30 (10)	150 (170)
Q3831-01MSD	PL-01-12102025MSD	Tetrachloro-m-xyl	1	20	21.1	105		30 (21)	150 (165)
		Decachlorobiphen	1	20	17.3	87		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	17.8	89		30 (21)	150 (165)
		Decachlorobiphen	2	20	14.3	71		30 (10)	150 (170)
Q3834-29	B127(5.5-8)120925	Tetrachloro-m-xyl	1	20	9.66	48		30 (21)	150 (165)
		Decachlorobiphen	1	20	11.5	57		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	9.47	47		30 (21)	150 (165)
		Decachlorobiphen	2	20	9.32	47		30 (10)	150 (170)
Q3834-30	B127(8-10)120925	Tetrachloro-m-xyl	1	20	17.2	86		30 (21)	150 (165)
		Decachlorobiphen	1	20	7.79	39		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	15.7	78		30 (21)	150 (165)
		Decachlorobiphen	2	20	6.51	33		30 (10)	150 (170)
I.BLK-PP076962.D	PIBLK-PP076962.D	Tetrachloro-m-xyl	1	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.9	95		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.7	83		70 (60)	130 (140)
		Decachlorobiphen	2	20	15.7	79		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3834</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Woodard & Curran</u>	DataFile :	<u>PP076954.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3831-01MS	Client Sample ID:		PL-01-12102025MS							
(Column 1)											
AR1016	182.2	0	188	ug/kg	103				40 (39)	140 (159)	
AR1260	182.2	0	165	ug/kg	91				40 (19)	140 (160)	
Lab Sample ID:	Q3831-01MS	Client Sample ID:		PL-01-12102025MS							
(Column 2)											
AR1016	182.2	0	161	ug/kg	88				40 (39)	140 (159)	
AR1260	182.2	0	158	ug/kg	87				40 (19)	140 (160)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3834</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Woodard & Curran</u>	DataFile :	<u>PP076955.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3831-01MSD	Client Sample ID:		PL-01-12102025MSD							
(Column 1)											
AR1016	182.2	0	155	ug/kg	85		19		40 (39)	140 (159)	30 (21)
AR1260	182.2	0	136	ug/kg	75		19		40 (19)	140 (160)	30 (15)
Lab Sample ID:	Q3831-01MSD	Client Sample ID:		PL-01-12102025MSD							
(Column 2)											
AR1016	182.2	0	132	ug/kg	72		20		40 (39)	140 (159)	30 (21)
AR1260	182.2	0	127	ug/kg	70		22		40 (19)	140 (160)	30 (15)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3834</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Woodard & Curran</u>	Datafile :	<u>PP076951.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170898BS (Column 1)	AR1016	166.5	158	ug/kg	95				40 (71)	140 (120)	
	AR1260	166.5	148	ug/kg	89				40 (65)	140 (130)	
PB170898BS (Column 2)	AR1016	166.5	143	ug/kg	86				40 (71)	140 (120)	
	AR1260	166.5	139	ug/kg	83				40 (65)	140 (130)	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170898BL

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Lab Sample ID: PB170898BL

Lab File ID: PP076950.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/11/2025

Date Analyzed (1): 12/11/2025

Date Analyzed (2): 12/11/2025

Time Analyzed (1): 12:06

Time Analyzed (2): 12:06

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
PB170898BS	PB170898BS	PP076951.D	12/11/2025	12/11/2025
PL-01-12102025MS	Q3831-01MS	PP076954.D	12/11/2025	12/11/2025
PL-01-12102025MSD	Q3831-01MSD	PP076955.D	12/11/2025	12/11/2025
B127 (5.5-8) 120925	Q3834-29	PP076956.D	12/11/2025	12/11/2025
B127 (8-10) 120925	Q3834-30	PP076957.D	12/11/2025	12/11/2025

COMMENTS: _____



SAMPLE DATA



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Report of Analysis

Client:	Woodard & Curran	Date Collected:	12/09/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	12/10/25
Client Sample ID:	B127(5.5-8)120925	SDG No.:	Q3834
Lab Sample ID:	Q3834-29	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	60.8
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Test:	PCB
	Prep Date:	12/11/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	6.50	U	1	6.50	27.9	ug/kg	12/11/25 13:45	PB170898
11104-28-2	Aroclor-1221	6.60	U	1	6.60	27.9	ug/kg	12/11/25 13:45	PB170898
11141-16-5	Aroclor-1232	6.10	U	1	6.10	27.9	ug/kg	12/11/25 13:45	PB170898
53469-21-9	Aroclor-1242	6.60	U	1	6.60	27.9	ug/kg	12/11/25 13:45	PB170898
12672-29-6	Aroclor-1248	9.70	U	1	9.70	27.9	ug/kg	12/11/25 13:45	PB170898
11097-69-1	Aroclor-1254	5.30	U	1	5.30	27.9	ug/kg	12/11/25 13:45	PB170898
37324-23-5	Aroclor-1262	8.20	U	1	8.20	27.9	ug/kg	12/11/25 13:45	PB170898
11100-14-4	Aroclor-1268	5.90	U	1	5.90	27.9	ug/kg	12/11/25 13:45	PB170898
11096-82-5	Aroclor-1260	5.30	U	1	5.30	27.9	ug/kg	12/11/25 13:45	PB170898
SURROGATES									
877-09-8	Tetrachloro-m-xylene	9.66			30 (21) - 150 (165)	48%	SPK: 20		
2051-24-3	Decachlorobiphenyl	11.5			30 (10) - 150 (170)	57%	SPK: 20		

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\PP121125\
 Data File : PP076956.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Dec 2025 13:45
 Operator : YP\AJ
 Sample : Q3834-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B127(5.5-8)120925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 11 14:52:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.615	3.771	17740116	19731932	9.665m	9.473
2) SA Decachlor...	10.371	8.765	17176806	16452038	11.461	9.324

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 13:45
Operator : YP\AJ
Sample : Q3834-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

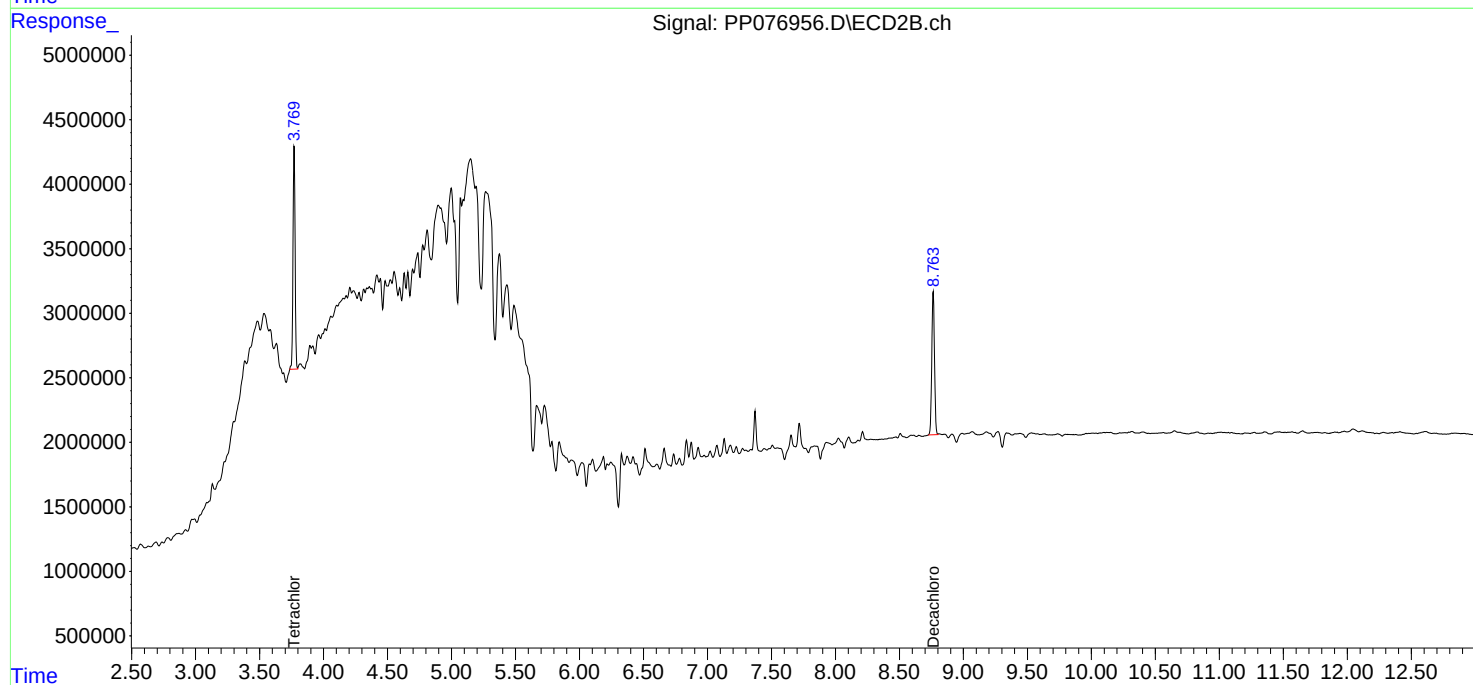
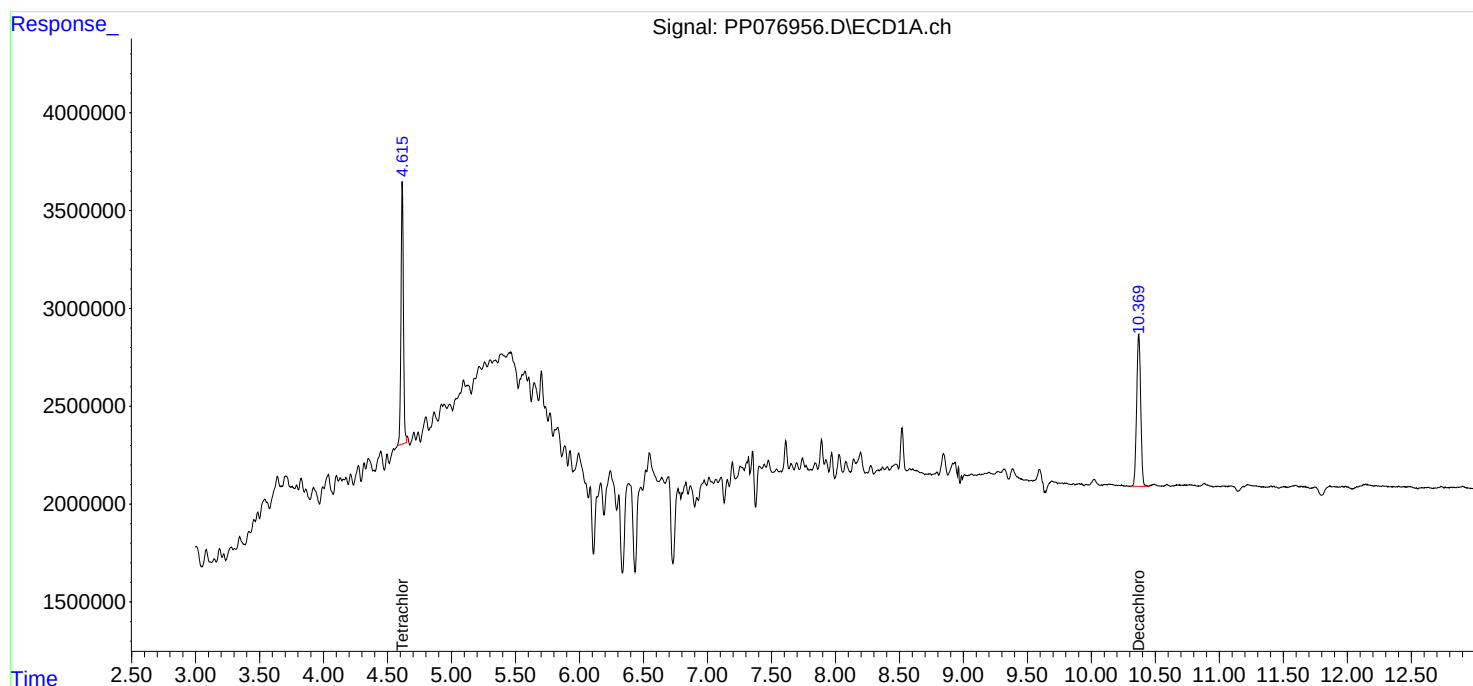
Instrument :
ECD_P
ClientSampleId :
B127(5.5-8)120925

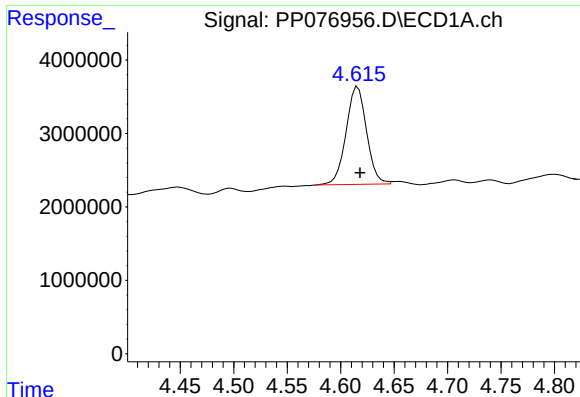
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:52:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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





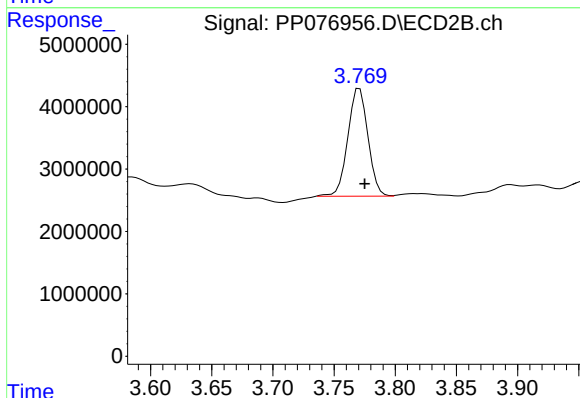
#1 Tetrachloro-m-xylene

R.T.: 4.615 min
Delta R.T.: -0.003 min
Response: 17740116
Conc: 9.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
B127(5.5-8)120925

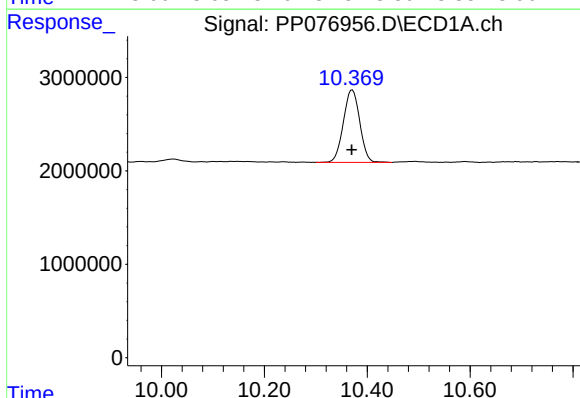
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



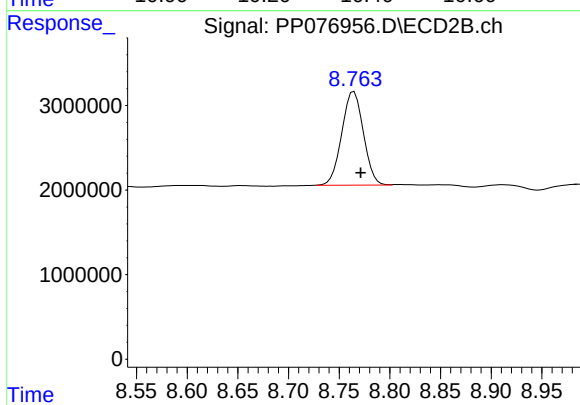
#1 Tetrachloro-m-xylene

R.T.: 3.771 min
Delta R.T.: -0.004 min
Response: 19731932
Conc: 9.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.371 min
Delta R.T.: 0.001 min
Response: 17176806
Conc: 11.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.765 min
Delta R.T.: -0.007 min
Response: 16452038
Conc: 9.32 ng/ml



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Report of Analysis

Client:	Woodard & Curran	Date Collected:	12/09/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	12/10/25
Client Sample ID:	B127(8-10)120925	SDG No.:	Q3834
Lab Sample ID:	Q3834-30	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	63.1
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Test:	PCB
	Prep Date:	12/11/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	6.20	U	1	6.20	26.9	ug/kg	12/11/25 14:01	PB170898
11104-28-2	Aroclor-1221	6.40	U	1	6.40	26.9	ug/kg	12/11/25 14:01	PB170898
11141-16-5	Aroclor-1232	5.90	U	1	5.90	26.9	ug/kg	12/11/25 14:01	PB170898
53469-21-9	Aroclor-1242	6.30	U	1	6.30	26.9	ug/kg	12/11/25 14:01	PB170898
12672-29-6	Aroclor-1248	9.40	U	1	9.40	26.9	ug/kg	12/11/25 14:01	PB170898
11097-69-1	Aroclor-1254	5.10	U	1	5.10	26.9	ug/kg	12/11/25 14:01	PB170898
37324-23-5	Aroclor-1262	7.90	U	1	7.90	26.9	ug/kg	12/11/25 14:01	PB170898
11100-14-4	Aroclor-1268	5.70	U	1	5.70	26.9	ug/kg	12/11/25 14:01	PB170898
11096-82-5	Aroclor-1260	5.10	U	1	5.10	26.9	ug/kg	12/11/25 14:01	PB170898
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.2			30 (21) - 150 (165)	86%	SPK: 20		
2051-24-3	Decachlorobiphenyl	7.79			30 (10) - 150 (170)	39%	SPK: 20		

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\PP121125\
Data File : PP076957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 14:01
Operator : YP\AJ
Sample : Q3834-30
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B127(8-10)120925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:53:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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...	4.617	3.775	31540307	32651564	17.183	15.676
2) SA Decachlor...	10.372	8.767	11673120	11490348	7.789	6.512

Target Compounds

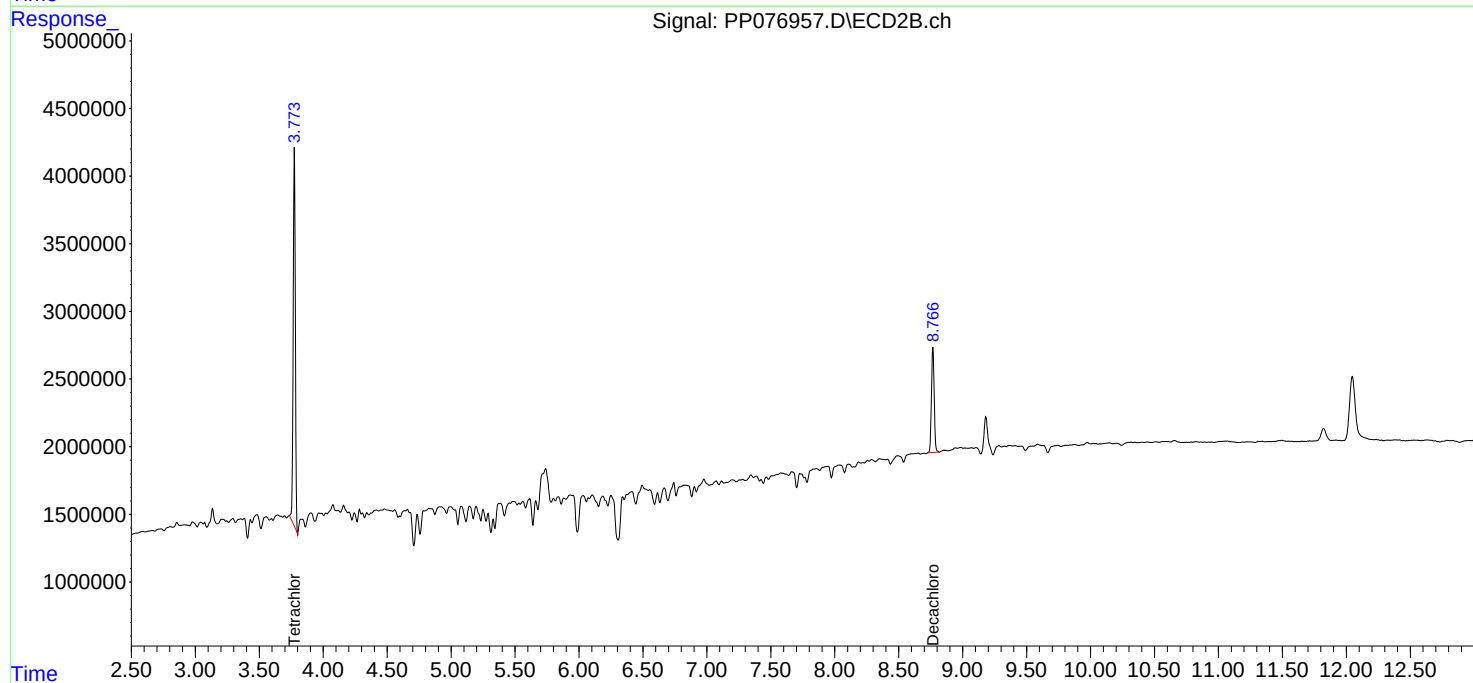
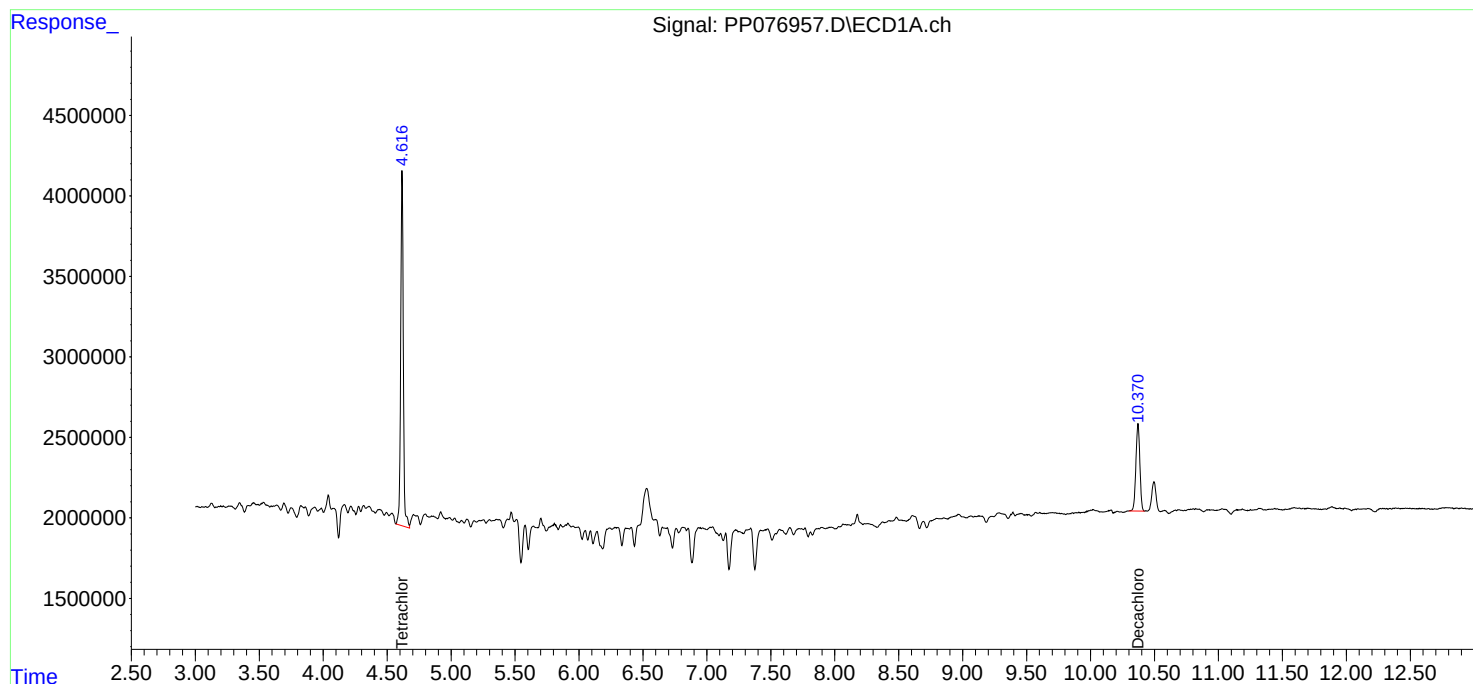
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

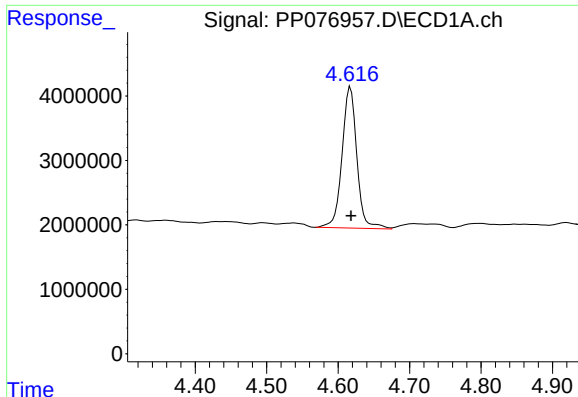
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 14:01
Operator : YP\AJ
Sample : Q3834-30
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B127(8-10)120925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:53:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

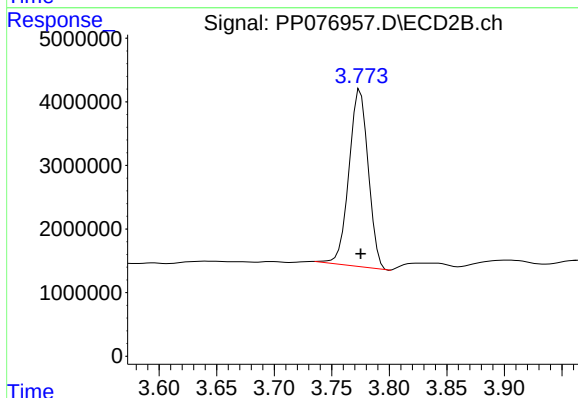




#1 Tetrachloro-m-xylene

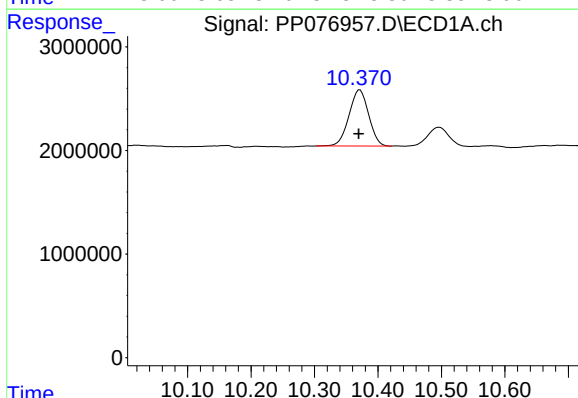
R.T.: 4.617 min
Delta R.T.: 0.000 min
Response: 31540307
Conc: 17.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
B127(8-10)120925



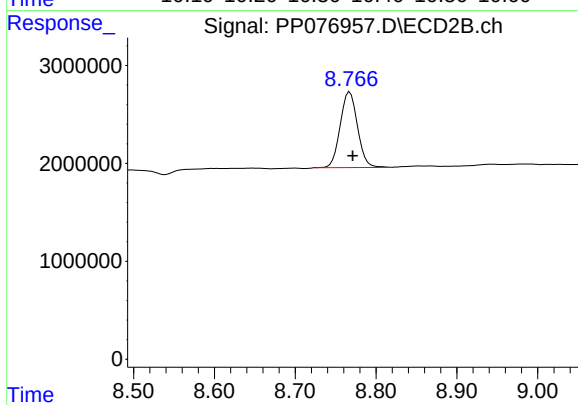
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: 0.000 min
Response: 32651564
Conc: 15.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.372 min
Delta R.T.: 0.002 min
Response: 11673120
Conc: 7.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: -0.004 min
Response: 11490348
Conc: 6.51 ng/ml



CALIBRATION SUMMARY

Calibration Times: 10:44 19:39

LAB FILE ID: RT 1000 = PP076599.D RT 750 = PP076600.D
RT 500 = PP076601.D RT 250 = PP076602.D RT 050 = PP076603.D

[illegible]

[illegible]

Calibration Times: 10:44 19:39

LAB FILE ID: RT 1000 = PP076599.D RT 750 = PP076600.D
RT 500 = PP076601.D RT 250 = PP076602.D RT 050 = PP076603.D

[illegible]



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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.77	8.77	8.77	8.77	8.77	8.77	8.67	8.87
Tetrachloro-m-xylene	3.78	3.77	3.78	3.77	3.77	3.77	3.67	3.87



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: WOOD06
SDG NO.: Q3834

Calibration Date(s): 11/21/2025 11/21/2025
Calibration Times: 10:44 19:39

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

LAB FILE ID:		CF 1000 = <u>PP076599.D</u>		CF 750 = <u>PP076600.D</u>			
CF 500 = <u>PP076601.D</u>		CF 250 = <u>PP076602.D</u>		CF 050 = <u>PP076603.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	57708593	60284011	62720674	70146056	86715180	67514903
Aroclor-1016-2	(2)	87370224	91866497	94863778	106525840	123912700	100907808
Aroclor-1016-3	(3)	55014048	58179041	60501046	68146480	83131840	64994491
Aroclor-1016-4	(4)	45866425	48590819	50075960	56156272	67027420	53543379
Aroclor-1016-5	(5)	44467962	47019184	48926274	54576040	62856580	51569208
Aroclor-1260-1	(1)	73805780	77143584	80863582	91288048	111181860	86856571
Aroclor-1260-2	(2)	87101421	91325823	95770194	107029868	135552320	103355925
Aroclor-1260-3	(3)	68153614	71731653	74556476	83896084	103586280	80384821
Aroclor-1260-4	(4)	80664425	84387037	87985074	97767224	117554160	93671584
Aroclor-1260-5	(5)	148193731	153678800	158669232	175972884	213566900	170016309
Decachlorobiphenyl		1308548090	1363697893	1416143240	1583148160	1821861400	1498679757
Tetrachloro-m-xylene		1632622270	1686884480	1742740480	1876774200	2238526800	1835509646
Aroclor-1242-1	(1)	46820088	49495555	51408518	51802020	60136760	51932588
Aroclor-1242-2	(2)	69927193	74300271	78434750	76478716	89342220	77696630
Aroclor-1242-3	(3)	44603953	47284257	49953000	49585884	60152920	50316003
Aroclor-1242-4	(4)	36970364	39006845	41279374	41298156	49350320	41581012
Aroclor-1242-5	(5)	40380815	43273208	45507256	47172540	54801840	46227132
Decachlorobiphenyl		1250955220	1331366640	1381877340	1379254120	1600423400	1388775344
Tetrachloro-m-xylene		1571806280	1652818307	1692613960	1639542200	1904693000	1692294749
Aroclor-1248-1	(1)	36073269	37934815	40711200	44451532	43127200	40459603
Aroclor-1248-2	(2)	50000146	52867352	55993870	61932632	61150200	56388840
Aroclor-1248-3	(3)	55566335	58034408	62017348	68318008	67641780	62315576
Aroclor-1248-4	(4)	64403994	67793604	72096762	81581836	84852220	74145683
Aroclor-1248-5	(5)	63599425	66649801	71757734	83225952	78337200	72714022
Decachlorobiphenyl		1249447780	1292070840	1384857840	1528460280	1423697000	1375706748
Tetrachloro-m-xylene		1574270000	1618772787	1673222680	1811616160	1785283000	1692632925
Aroclor-1254-1	(1)	71656435	73094801	76839598	83916248	95588240	80219064
Aroclor-1254-2	(2)	95196281	100474461	108389070	119616740	139960620	112727434
Aroclor-1254-3	(3)	102399354	107941216	115149900	126570796	148664480	120145149
Aroclor-1254-4	(4)	78180335	82150911	87972230	96257768	106029800	90118209
Aroclor-1254-5	(5)	84891224	89223744	94355464	99145184	116356540	96794431
Decachlorobiphenyl		1271379670	1353876560	1432914580	1578042720	1693770400	1465996786
Tetrachloro-m-xylene		1587463770	1656217453	1731172560	1831394240	1978188800	1756887365
Aroclor-1268-1	(1)	185284719	196773012	206651882	228623276	257246740	214915926



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	174556125	185120223	194982316	214398960	237120540	201235633	12
Aroclor-1268-3	(3)	144029935	152659056	161257230	178389696	194435320	166154247	12
Aroclor-1268-4	(4)	72720190	77125884	81820048	89236340	95590360	83298564	10
Aroclor-1268-5	(5)	445375962	467824043	486648804	530281216	591465460	504319097	11
Decachlorobiphenyl		2103145540	2229946733	2356050020	2605971520	2869837800	2432990323	13
Tetrachloro-m-xylene		1592145550	1682577760	1746782760	1859352840	2045449600	1785261702	10



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: WOOD06
SDG NO.: Q3834

Calibration Date(s): 11/21/2025 11/21/2025
Calibration Times: 10:44 19:39

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

LAB FILE ID:		CF 1000 = <u>PP076599.D</u>		CF 750 = <u>PP076600.D</u>			
CF 500 = <u>PP076601.D</u>		CF 250 = <u>PP076602.D</u>		CF 050 = <u>PP076603.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	69284330	70804845	71449300	76694208	87621040	9
Aroclor-1016-2	(2)	104122902	106337112	106728386	113977468	124797320	7
Aroclor-1016-3	(3)	53613162	55061171	55762260	59522960	65859300	8
Aroclor-1016-4	(4)	41823980	43401780	44668820	48687932	55170840	11
Aroclor-1016-5	(5)	55742749	57230741	58964166	64122844	73641320	11
Aroclor-1260-1	(1)	99306847	101128783	103836720	111650784	129586700	11
Aroclor-1260-2	(2)	121008321	123078656	126124030	136041204	158654880	11
Aroclor-1260-3	(3)	113883356	115970629	117487594	125714324	146413640	10
Aroclor-1260-4	(4)	96232422	98264441	99716326	106139636	119039280	8
Aroclor-1260-5	(5)	235694647	238382773	237905118	249801344	273831240	6
Decachlorobiphenyl		1631798890	1658457733	1674372880	1797333600	2060619400	10
Tetrachloro-m-xylene		2029594040	2049794933	2020131300	2090549040	2224542800	4
Aroclor-1242-1	(1)	55846456	57386199	58152954	53306796	62776280	6
Aroclor-1242-2	(2)	82292663	85381189	86354650	80143412	87242420	3
Aroclor-1242-3	(3)	42952122	44235299	45123908	42052092	45839360	3
Aroclor-1242-4	(4)	41020216	42556281	43998486	41892464	46781360	5
Aroclor-1242-5	(5)	54892740	55577543	56552748	54423788	70165220	11
Decachlorobiphenyl		1561601020	1626952053	1628254580	1539884520	1715565200	4
Tetrachloro-m-xylene		1982565500	2020394053	2002276380	1786858880	1908073400	5
Aroclor-1248-1	(1)	41569992	42480253	44301150	47253764	44774880	5
Aroclor-1248-2	(2)	54299284	55737199	58630046	62694512	59777260	5
Aroclor-1248-3	(3)	57411768	58802539	61381284	66231484	63093400	5
Aroclor-1248-4	(4)	68531642	69993235	72796730	78273768	76330020	5
Aroclor-1248-5	(5)	72351458	74116725	87512792	87540176	99280300	12
Decachlorobiphenyl		1502488940	1528042440	1588582860	1696630800	1607749600	5
Tetrachloro-m-xylene		1965268790	1970101347	1992281480	2022502760	1786610000	5
Aroclor-1254-1	(1)	108376052	112150224	116858404	122914228	130906240	7
Aroclor-1254-2	(2)	93680624	97777644	103342076	111983640	133837560	14
Aroclor-1254-3	(3)	152849964	157484645	163154906	168476080	178969780	6
Aroclor-1254-4	(4)	96670996	100414949	103848536	107894352	110135520	5
Aroclor-1254-5	(5)	131464389	136042208	140591856	145925060	149848540	5
Decachlorobiphenyl		1541731170	1604172760	1652126120	1739157040	1816837400	7
Tetrachloro-m-xylene		1985357600	2026009013	2048265880	2040842960	1966667000	2
Aroclor-1268-1	(1)	264556427	274894625	279316682	289369552	298553780	4



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	240850862	249890508	253434678	261757772	266698340	254526432	4
Aroclor-1268-3	(3)	194377273	201896009	205304164	211895436	218632500	206421076	4
Aroclor-1268-4	(4)	87883512	91300353	93471410	98130748	98806800	93918565	5
Aroclor-1268-5	(5)	616587385	634409216	638557228	650798496	642345620	636539589	2
Decachlorobiphenyl		2670092970	2765280333	2823888140	2956250080	3086571200	2860416545	6
Tetrachloro-m-xylene		1979033710	2058080493	2057299240	2063660600	2008890000	2033392809	2



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** WOOD06
Lab Code: ACE **SDG NO.:** Q3834
Instrument ID: ECD_P **Date(s) Analyzed:** 11/21/2025 11/21/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.82	4.72	4.92	25833800
		2	4.90	4.80	5.00	19927200
		3	4.98	4.88	5.08	55758000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.98	4.88	5.08	43472600
		2	5.51	5.41	5.61	22364600
		3	5.80	5.70	5.90	43924600
		4	5.96	5.86	6.06	22708400
		5	6.04	5.94	6.14	16825100
Aroclor-1262	500	1	8.20	8.10	8.30	98956600
		2	8.52	8.42	8.62	172451000
		3	8.84	8.74	8.94	125724000
		4	8.93	8.83	9.03	99218000
		5	9.59	9.49	9.69	71040600



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** WOOD06
Lab Code: ACE **SDG NO.:** Q3834
Instrument ID: ECD_P **Date(s) Analyzed:** 11/21/2025 11/21/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.98	3.88	4.08	26717800
		2	4.07	3.97	4.17	19991600
		3	4.15	4.05	4.25	60271800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	47081000
		2	4.87	4.77	4.97	46115400
		3	5.05	4.95	5.15	24241400
		4	5.13	5.03	5.23	21532600
		5	5.30	5.20	5.40	23536200
Aroclor-1262	500	1	6.88	6.78	6.98	133315000
		2	7.14	7.04	7.24	119918000
		3	7.66	7.56	7.76	98515200
		4	7.72	7.62	7.82	174485000
		5	8.22	8.12	8.32	80357800

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 10:44
 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: Nov 21 12:26:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 12:24:00 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...	4.618	3.775	163.3E6	203.0E6	96.738	100.234
2) SA Decachlor...	10.370	8.771	130.9E6	163.2E6	96.051	98.712
Target Compounds						
3) L1 AR-1016-1	5.770	4.854	57708593	69284330	958.382	984.617
4) L1 AR-1016-2	5.791	4.871	87370224	104.1E6	958.879	987.643
5) L1 AR-1016-3	5.854	5.047	55014048	53613162	952.500	980.351
6) L1 AR-1016-4	5.951	5.088	45866425	41823980	956.124	967.109
7) L1 AR-1016-5	6.244	5.301	44467962	55742749	952.264	971.916
31) L7 AR-1260-1	7.361	6.329	73805780	99306847	954.368	977.701
32) L7 AR-1260-2	7.614	6.516	87101421	121.0E6	952.596	979.300
33) L7 AR-1260-3	7.972	6.668	68153614	113.9E6	955.134	984.422
34) L7 AR-1260-4	8.198	7.138	80664425	96232422	956.593	982.220
35) L7 AR-1260-5	8.522	7.378	148.2E6	235.7E6	965.863	995.333

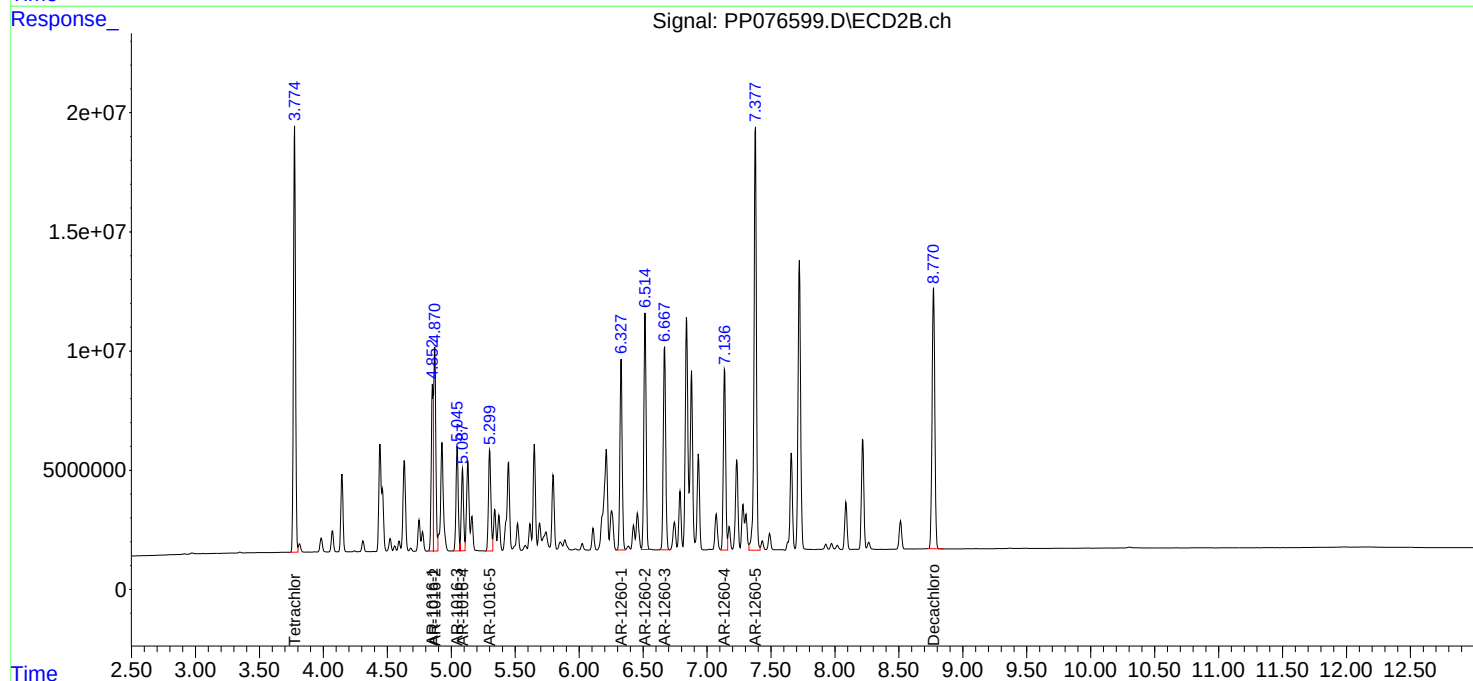
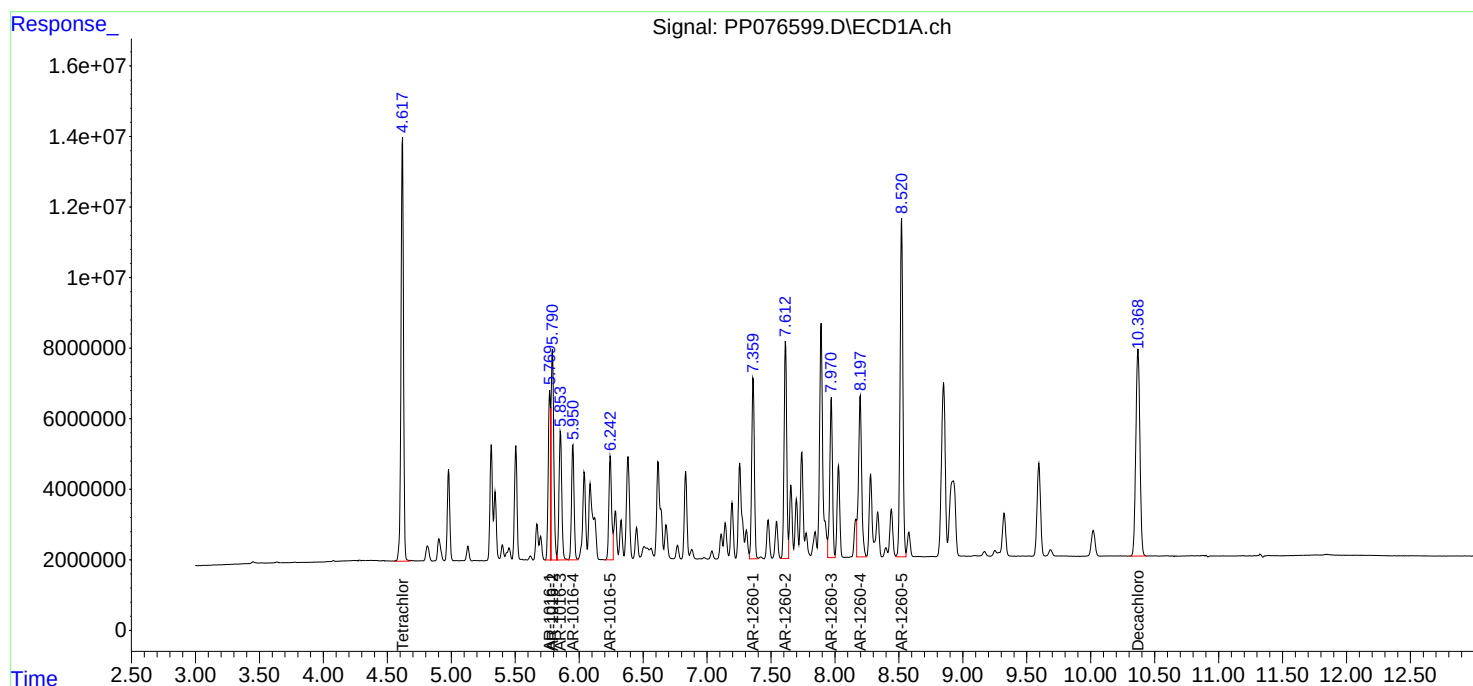
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 10:44
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

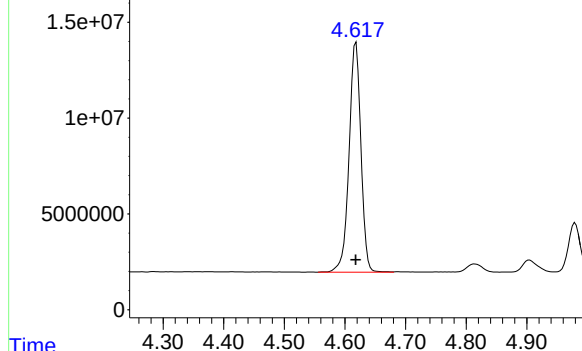
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 12:26:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 12:24:00 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



Response_ Signal: PP076599.D\ECD1A.ch

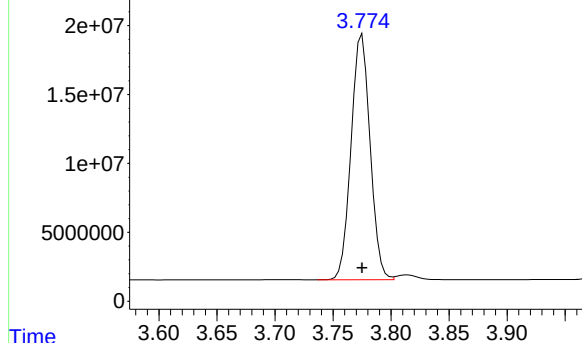


#1 Tetrachloro-m-xylene

R.T.: 4.618 min
Delta R.T.: 0.000 min
Response: 163262227
Conc: 96.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

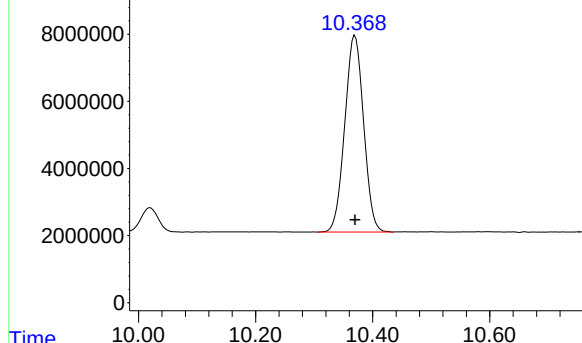
Time Response_ Signal: PP076599.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: 0.000 min
Response: 202959404
Conc: 100.23 ng/ml

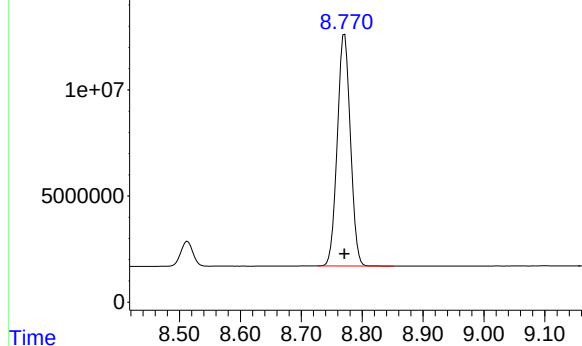
Time Response_ Signal: PP076599.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.370 min
Delta R.T.: 0.000 min
Response: 130854809
Conc: 96.05 ng/ml

Time Response_ Signal: PP076599.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: 0.000 min
Response: 163179889
Conc: 98.71 ng/ml

Response_ Signal: PP076599.D\ECD1A.ch

#3 AR-1016-1

R.T.: 5.770 min
Delta R.T.: 0.000 min
Response: 57708593
Conc: 958.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PP076599.D\ECD2B.ch

#3 AR-1016-1

R.T.: 4.854 min
Delta R.T.: 0.000 min
Response: 69284330
Conc: 984.62 ng/ml

Time

Response_ Signal: PP076599.D\ECD1A.ch

#4 AR-1016-2

R.T.: 5.791 min
Delta R.T.: 0.000 min
Response: 87370224
Conc: 958.88 ng/ml

Time

Response_ Signal: PP076599.D\ECD2B.ch

#4 AR-1016-2

R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 104122902
Conc: 987.64 ng/ml

Time

Response_ Signal: PP076599.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 55014048
Conc: 952.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PP076599.D\ECD2B.ch

#5 AR-1016-3

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 53613162
Conc: 980.35 ng/ml

Time

Response_ Signal: PP076599.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.951 min
Delta R.T.: 0.000 min
Response: 45866425
Conc: 956.12 ng/ml

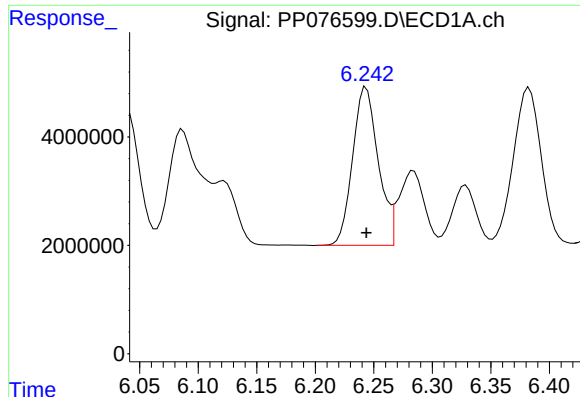
Time

Response_ Signal: PP076599.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.088 min
Delta R.T.: 0.000 min
Response: 41823980
Conc: 967.11 ng/ml

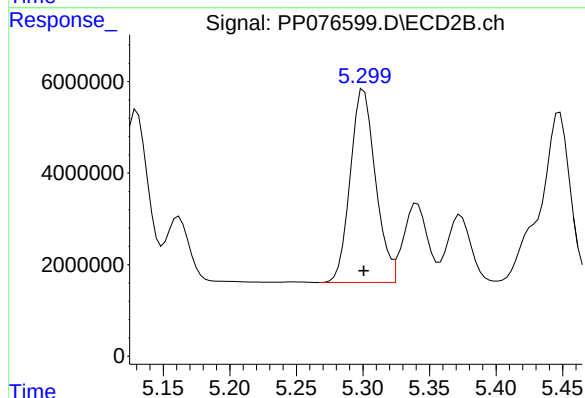
Time



#7 AR-1016-5

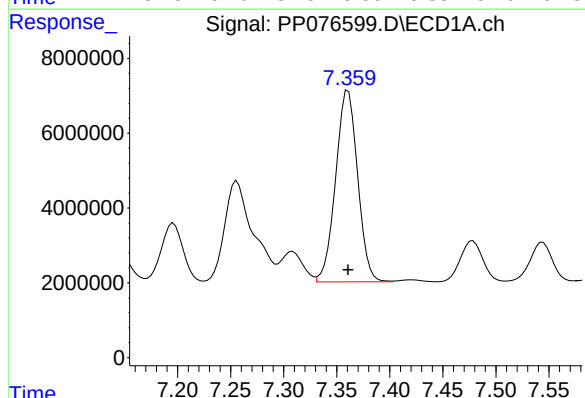
R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 44467962
Conc: 952.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



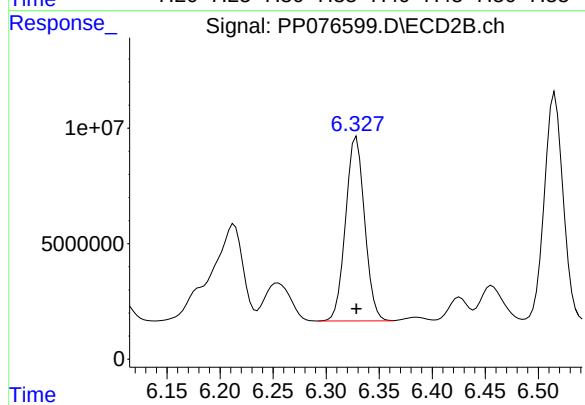
#7 AR-1016-5

R.T.: 5.301 min
Delta R.T.: 0.000 min
Response: 55742749
Conc: 971.92 ng/ml



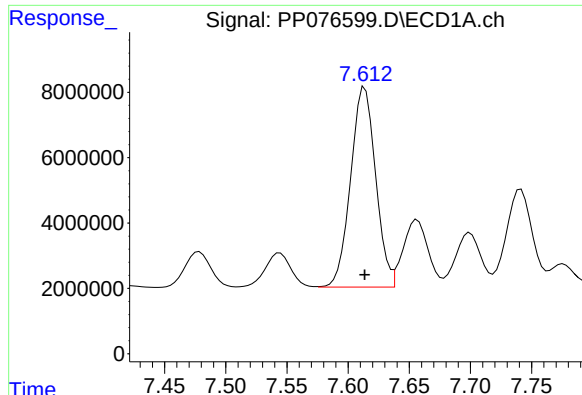
#31 AR-1260-1

R.T.: 7.361 min
Delta R.T.: 0.000 min
Response: 73805780
Conc: 954.37 ng/ml



#31 AR-1260-1

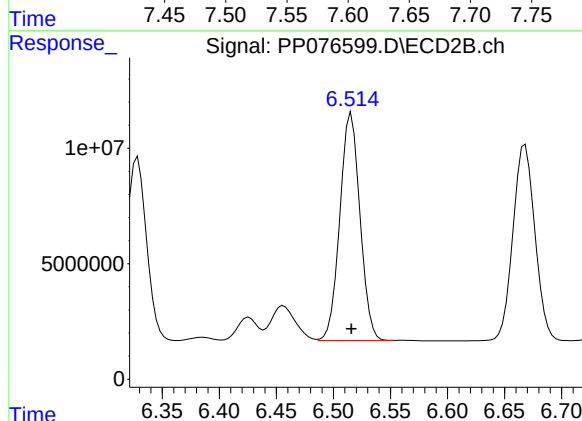
R.T.: 6.329 min
Delta R.T.: 0.000 min
Response: 99306847
Conc: 977.70 ng/ml



#32 AR-1260-2

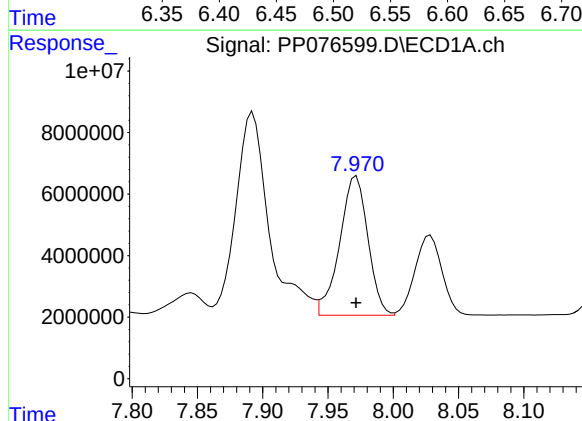
R.T.: 7.614 min
Delta R.T.: 0.000 min
Response: 87101421
Conc: 952.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



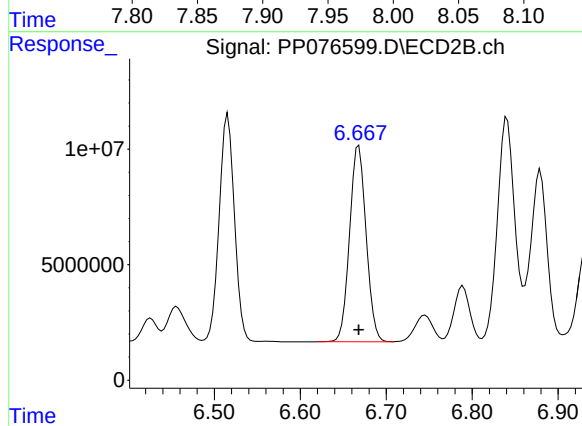
#32 AR-1260-2

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 121008321
Conc: 979.30 ng/ml



#33 AR-1260-3

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 68153614
Conc: 955.13 ng/ml



#33 AR-1260-3

R.T.: 6.668 min
Delta R.T.: 0.000 min
Response: 113883356
Conc: 984.42 ng/ml

Response_ Signal: PP076599.D\ECD1A.ch

#34 AR-1260-4

R.T.: 8.198 min
Delta R.T.: 0.000 min
Response: 80664425
Conc: 956.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PP076599.D\ECD2B.ch

#34 AR-1260-4

R.T.: 7.138 min
Delta R.T.: 0.000 min
Response: 96232422
Conc: 982.22 ng/ml

Time

Response_ Signal: PP076599.D\ECD1A.ch

#35 AR-1260-5

R.T.: 8.522 min
Delta R.T.: 0.000 min
Response: 148193731
Conc: 965.86 ng/ml

Time

Response_ Signal: PP076599.D\ECD2B.ch

#35 AR-1260-5

R.T.: 7.378 min
Delta R.T.: 0.000 min
Response: 235694647
Conc: 995.33 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076600.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 11:00
 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: Nov 21 12:29:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 12:24:00 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...	4.617	3.774	126.5E6	153.7E6	74.976	75.613
2) SA Decachlor...	10.369	8.770	102.3E6	124.4E6	75.050	75.162
Target Compounds						
3) L1 AR-1016-1	5.769	4.853	45213008	53103634	750.576	753.106
4) L1 AR-1016-2	5.790	4.870	68899873	79752834	754.102	754.310
5) L1 AR-1016-3	5.853	5.046	43634281	41295878	753.640	753.407
6) L1 AR-1016-4	5.950	5.087	36443114	32551335	756.431	751.794
7) L1 AR-1016-5	6.243	5.300	35264388	42923056	753.441	748.929
31) L7 AR-1260-1	7.360	6.328	57857688	75846587	748.763	747.816
32) L7 AR-1260-2	7.613	6.515	68494367	92308992	749.398	748.025
33) L7 AR-1260-3	7.970	6.667	53798740	86977972	752.634	751.231
34) L7 AR-1260-4	8.198	7.137	63290278	73698331	750.369	751.479
35) L7 AR-1260-5	8.520	7.377	115.3E6	178.8E6	750.806	753.335

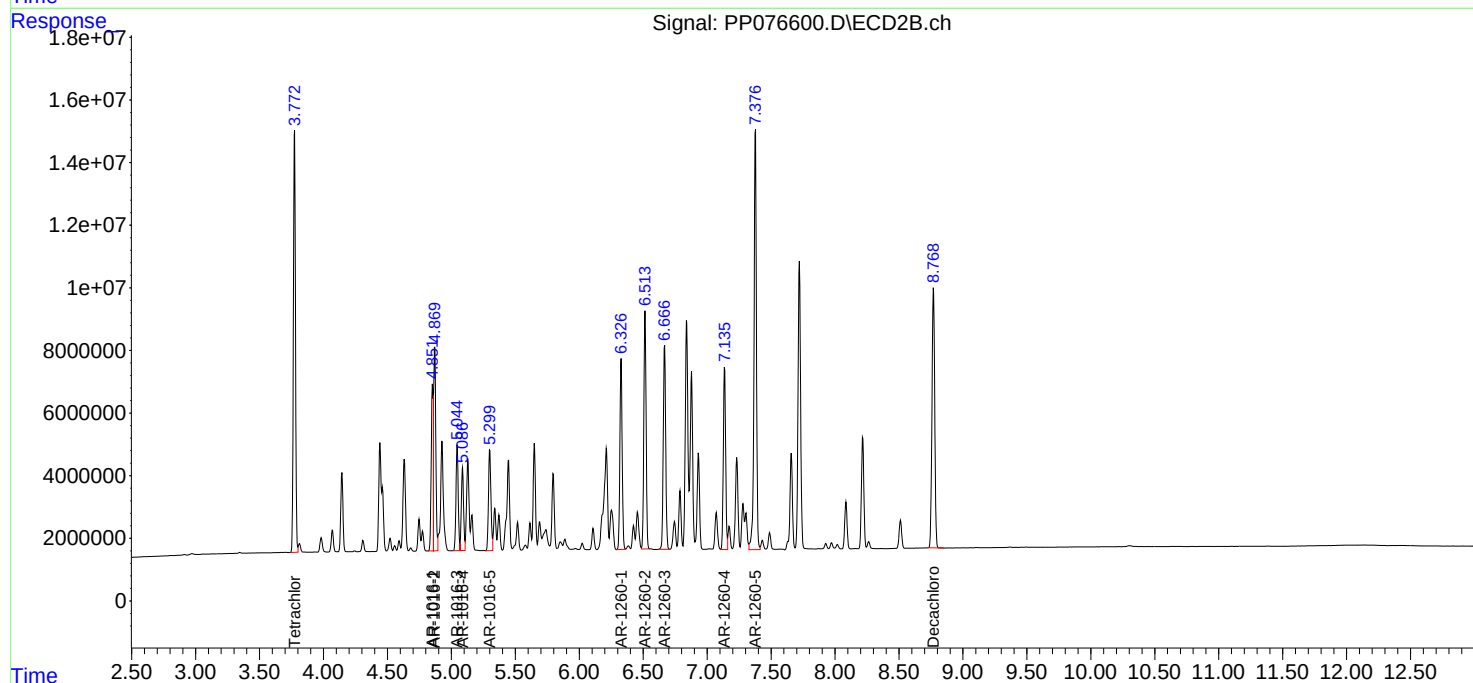
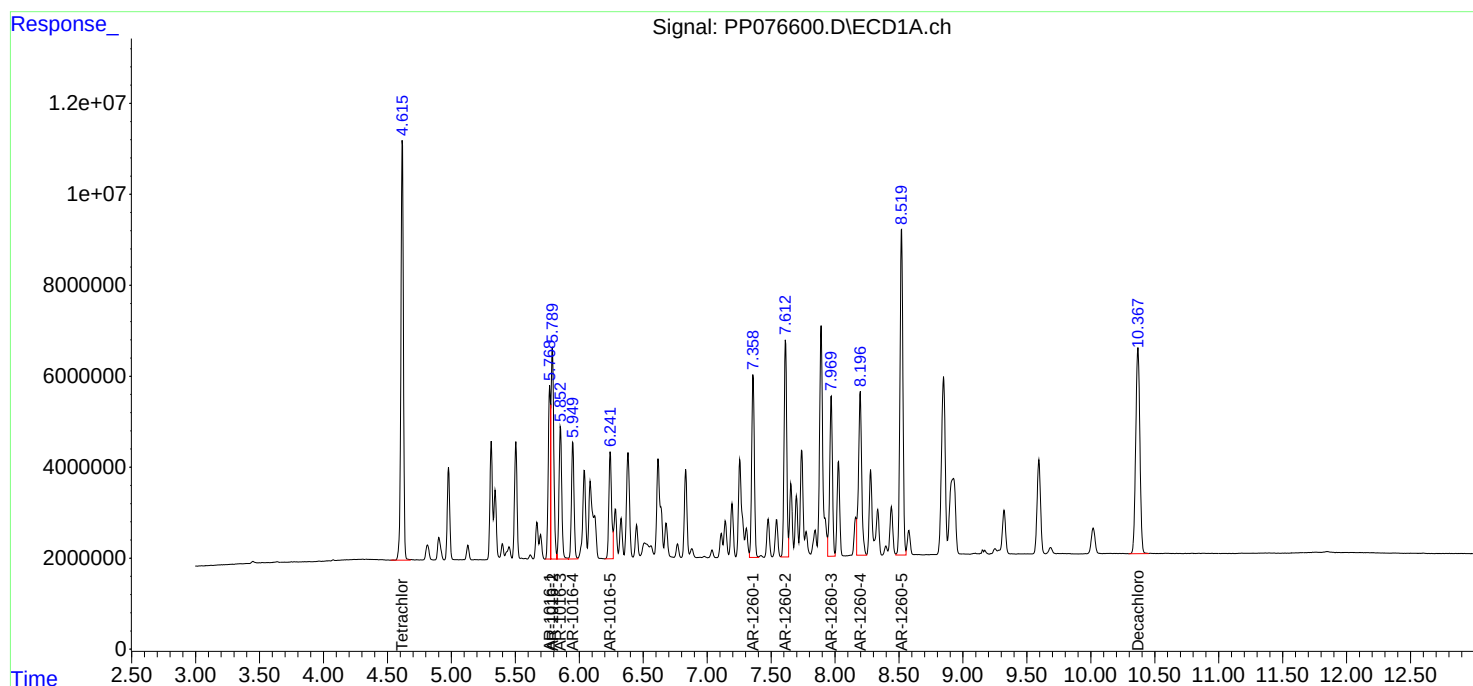
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

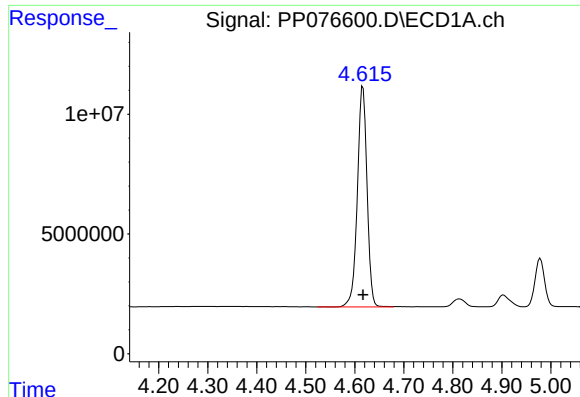
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 11:00
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 12:29:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 12:24:00 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

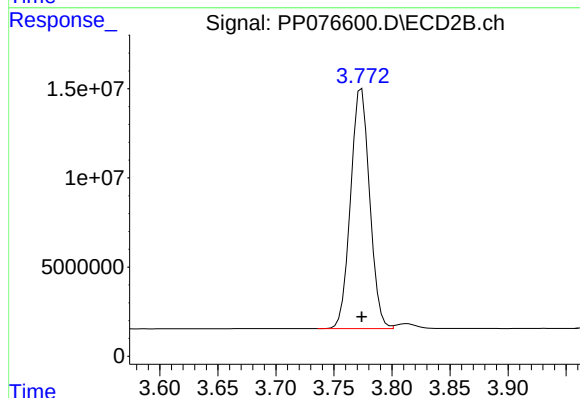




#1 Tetrachloro-m-xylene

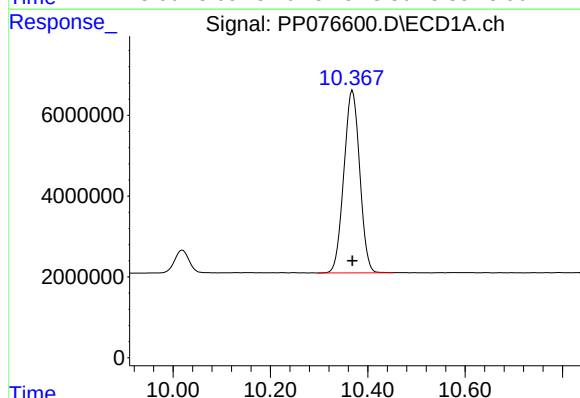
R.T.: 4.617 min
Delta R.T.: 0.000 min
Response: 126516336
Conc: 74.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



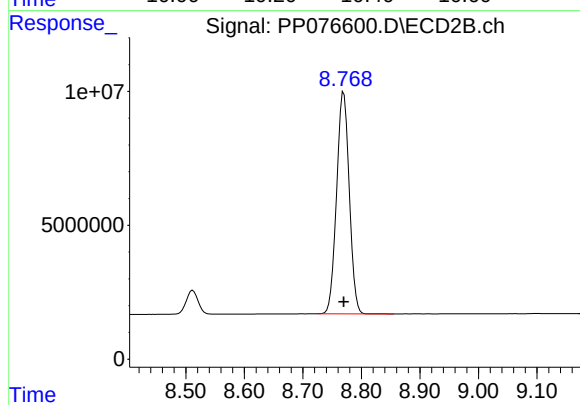
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: 0.000 min
Response: 153734620
Conc: 75.61 ng/ml



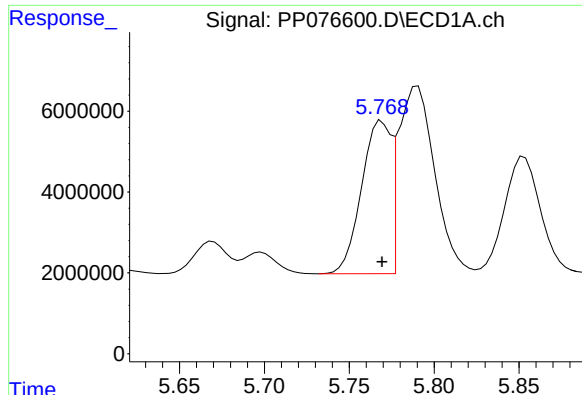
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 102277342
Conc: 75.05 ng/ml



#2 Decachlorobiphenyl

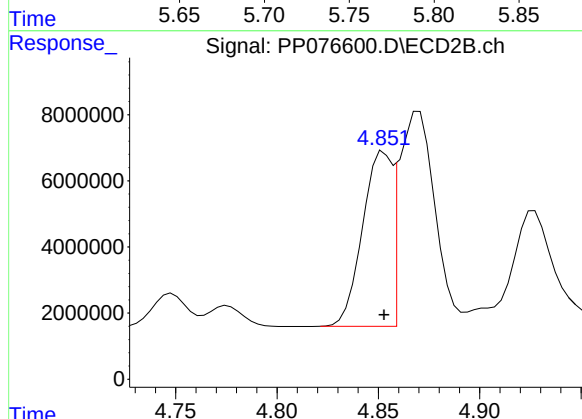
R.T.: 8.770 min
Delta R.T.: 0.000 min
Response: 124384330
Conc: 75.16 ng/ml



#3 AR-1016-1

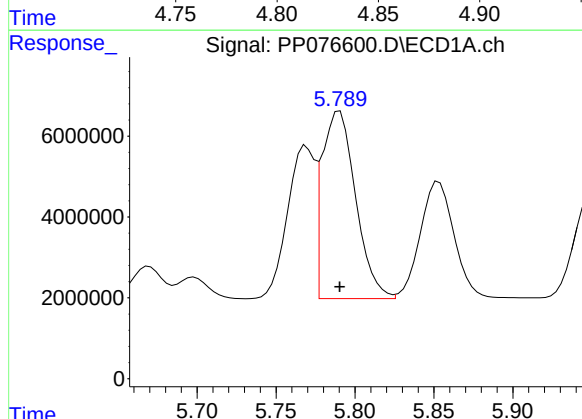
R.T.: 5.769 min
Delta R.T.: 0.000 min
Response: 45213008
Conc: 750.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



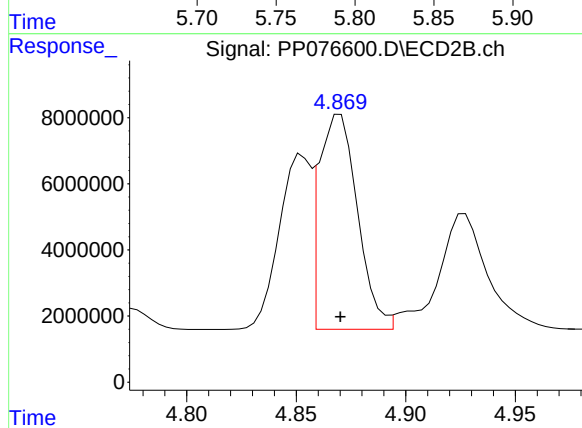
#3 AR-1016-1

R.T.: 4.853 min
Delta R.T.: 0.000 min
Response: 53103634
Conc: 753.11 ng/ml



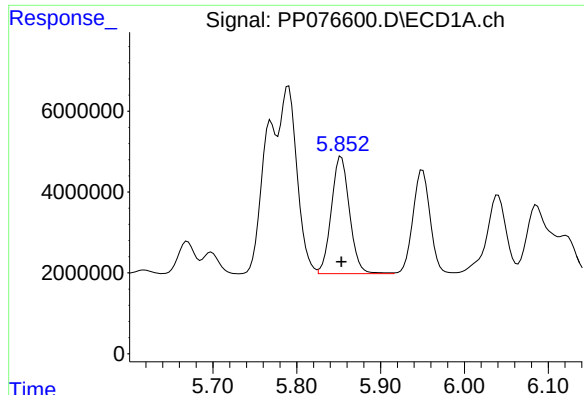
#4 AR-1016-2

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 68899873
Conc: 754.10 ng/ml



#4 AR-1016-2

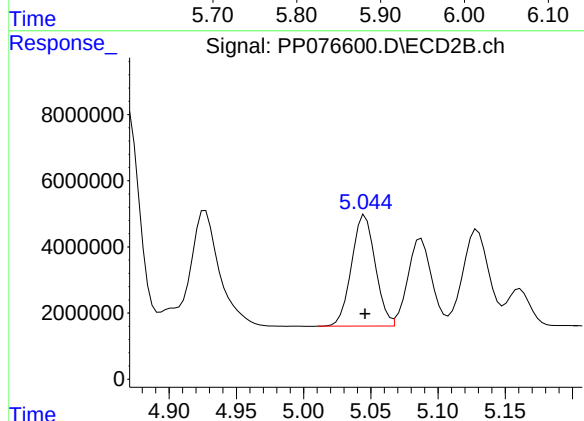
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 79752834
Conc: 754.31 ng/ml



#5 AR-1016-3

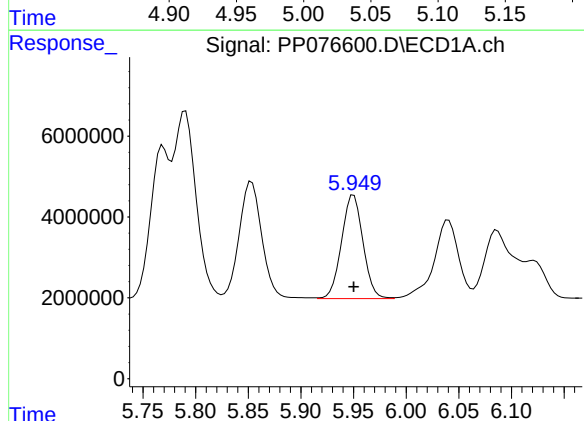
R.T.: 5.853 min
Delta R.T.: 0.000 min
Response: 43634281
Conc: 753.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



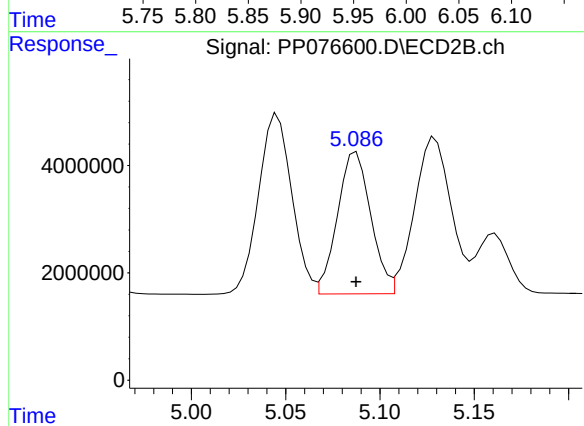
#5 AR-1016-3

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 41295878
Conc: 753.41 ng/ml



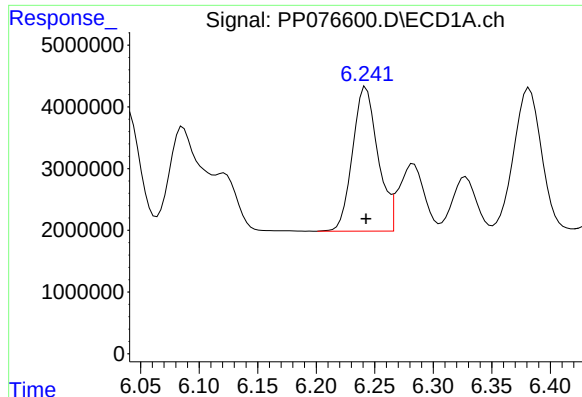
#6 AR-1016-4

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 36443114
Conc: 756.43 ng/ml



#6 AR-1016-4

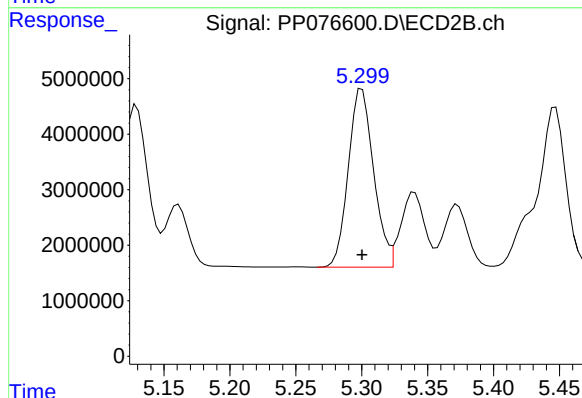
R.T.: 5.087 min
Delta R.T.: 0.000 min
Response: 32551335
Conc: 751.79 ng/ml



#7 AR-1016-5

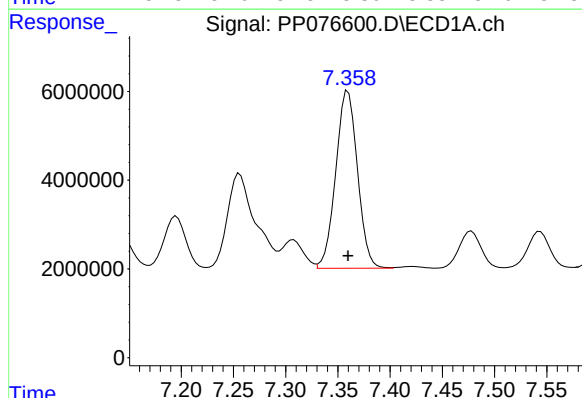
R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 35264388
Conc: 753.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



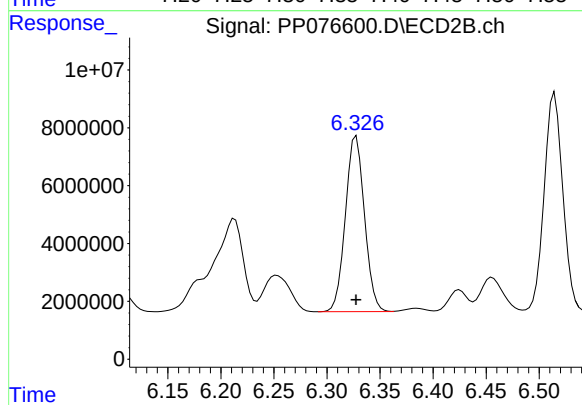
#7 AR-1016-5

R.T.: 5.300 min
Delta R.T.: 0.000 min
Response: 42923056
Conc: 748.93 ng/ml



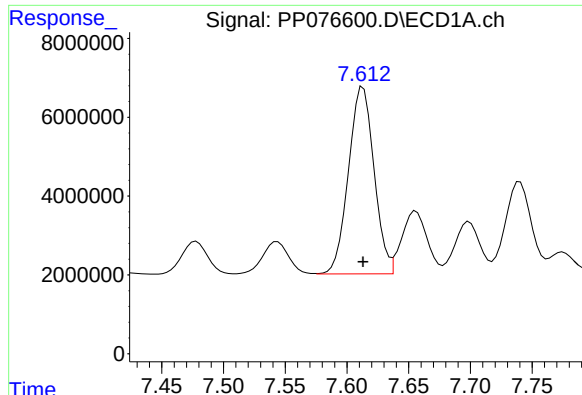
#31 AR-1260-1

R.T.: 7.360 min
Delta R.T.: 0.000 min
Response: 57857688
Conc: 748.76 ng/ml



#31 AR-1260-1

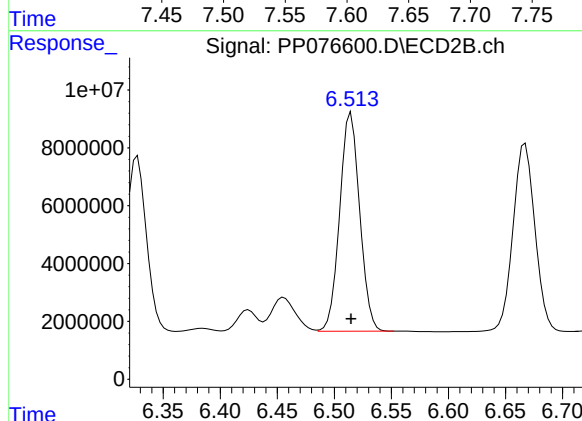
R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 75846587
Conc: 747.82 ng/ml



#32 AR-1260-2

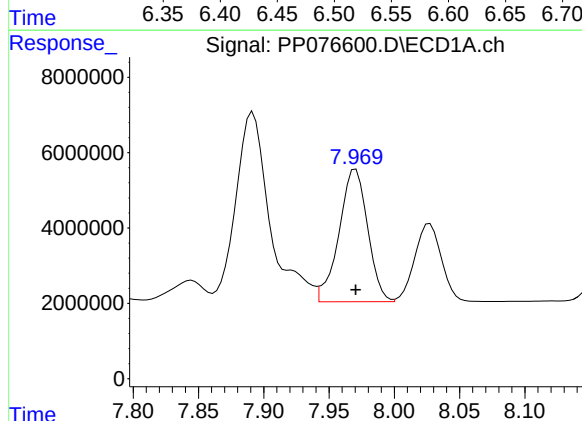
R.T.: 7.613 min
Delta R.T.: 0.000 min
Response: 68494367
Conc: 749.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



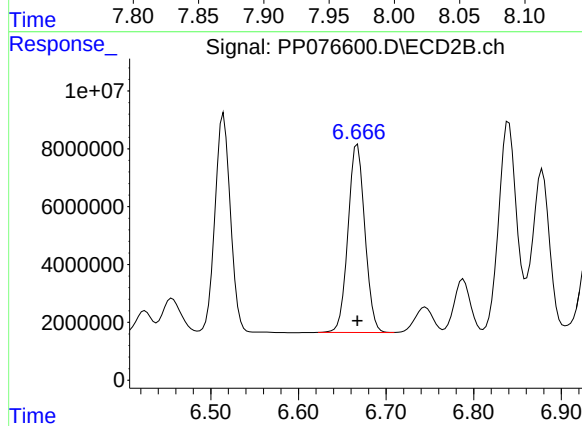
#32 AR-1260-2

R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 92308992
Conc: 748.02 ng/ml



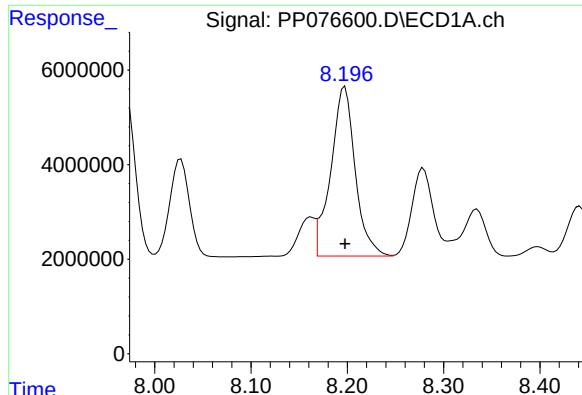
#33 AR-1260-3

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 53798740
Conc: 752.63 ng/ml



#33 AR-1260-3

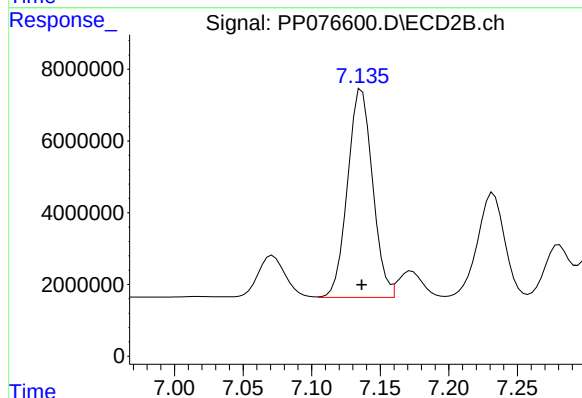
R.T.: 6.667 min
Delta R.T.: 0.000 min
Response: 86977972
Conc: 751.23 ng/ml



#34 AR-1260-4

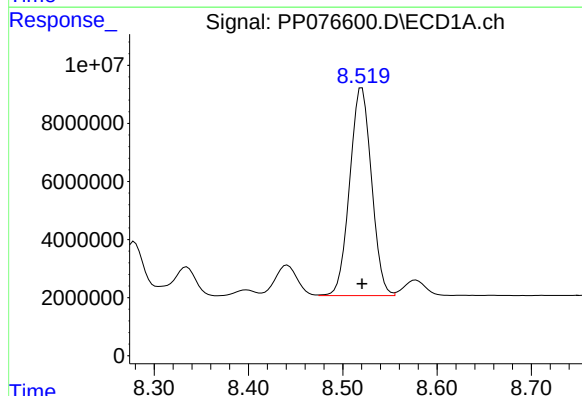
R.T.: 8.198 min
Delta R.T.: 0.000 min
Response: 63290278
Conc: 750.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



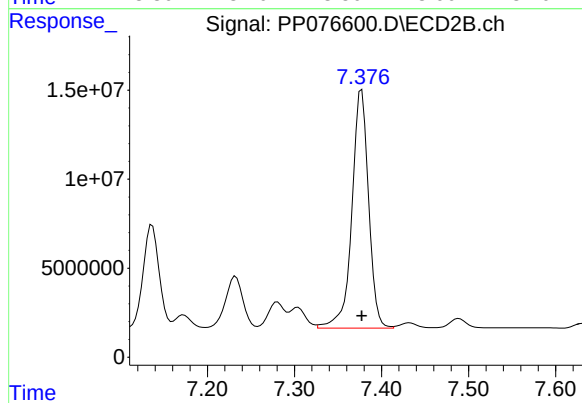
#34 AR-1260-4

R.T.: 7.137 min
Delta R.T.: 0.000 min
Response: 73698331
Conc: 751.48 ng/ml



#35 AR-1260-5

R.T.: 8.520 min
Delta R.T.: 0.000 min
Response: 115259100
Conc: 750.81 ng/ml



#35 AR-1260-5

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 178787080
Conc: 753.33 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076601.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 11:17
 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: Nov 21 12:24:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 12:24:00 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...	4.614	3.771	87137024	101.0E6	50.000	50.000
2) SA Decachlor...	10.365	8.766	70807162	83718644	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.767	4.850	31360337	35724650	500.000	500.000
4) L1 AR-1016-2	5.787	4.867	47431889	53364193	500.000	500.000
5) L1 AR-1016-3	5.850	5.042	30250523	27881130	500.000	500.000
6) L1 AR-1016-4	5.947	5.084	25037980	22334410	500.000	500.000
7) L1 AR-1016-5	6.240	5.297	24463137	29482083	500.000	500.000
31) L7 AR-1260-1	7.356	6.324	40431791	51918360	500.000	500.000
32) L7 AR-1260-2	7.609	6.512	47885097	63062015	500.000	500.000
33) L7 AR-1260-3	7.967	6.664	37278238	58743797	500.000	500.000
34) L7 AR-1260-4	8.193	7.133	43992537	49858163	500.000	500.000
35) L7 AR-1260-5	8.516	7.373	79334616	119.0E6	500.000	500.000

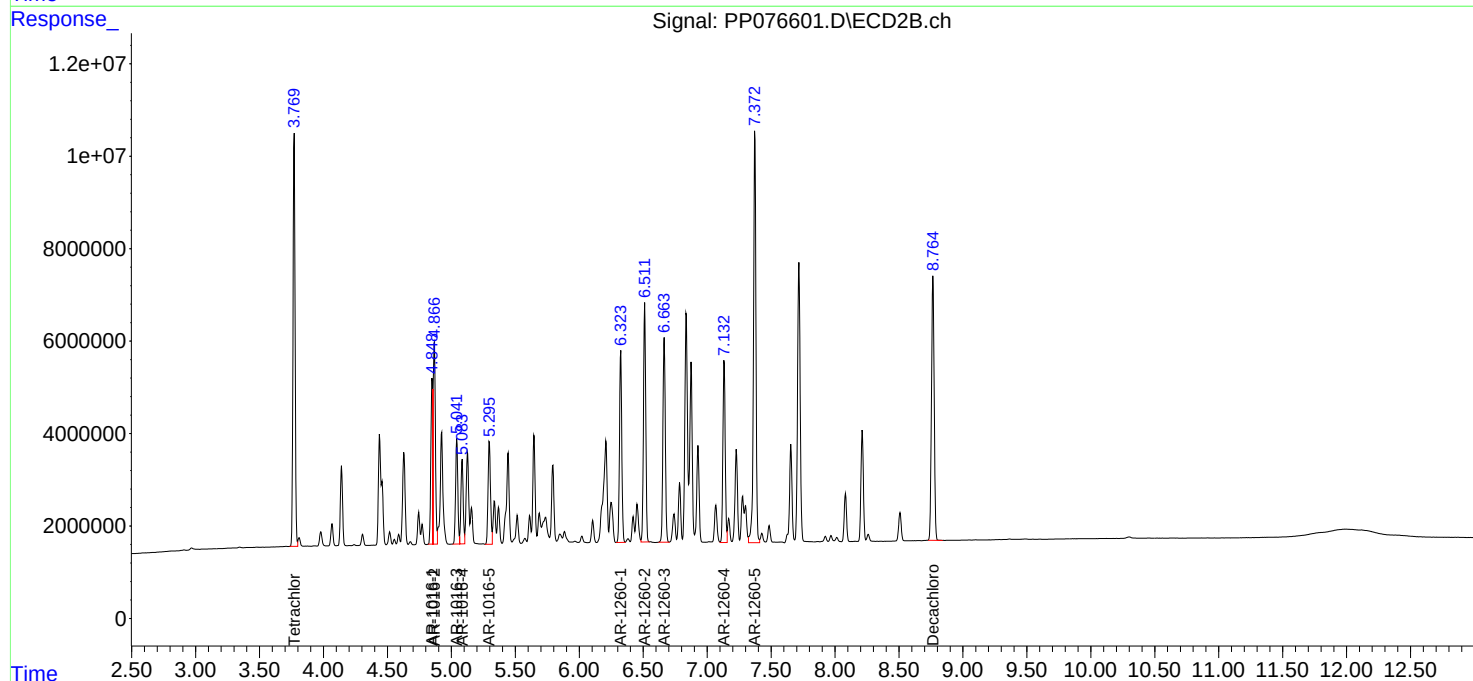
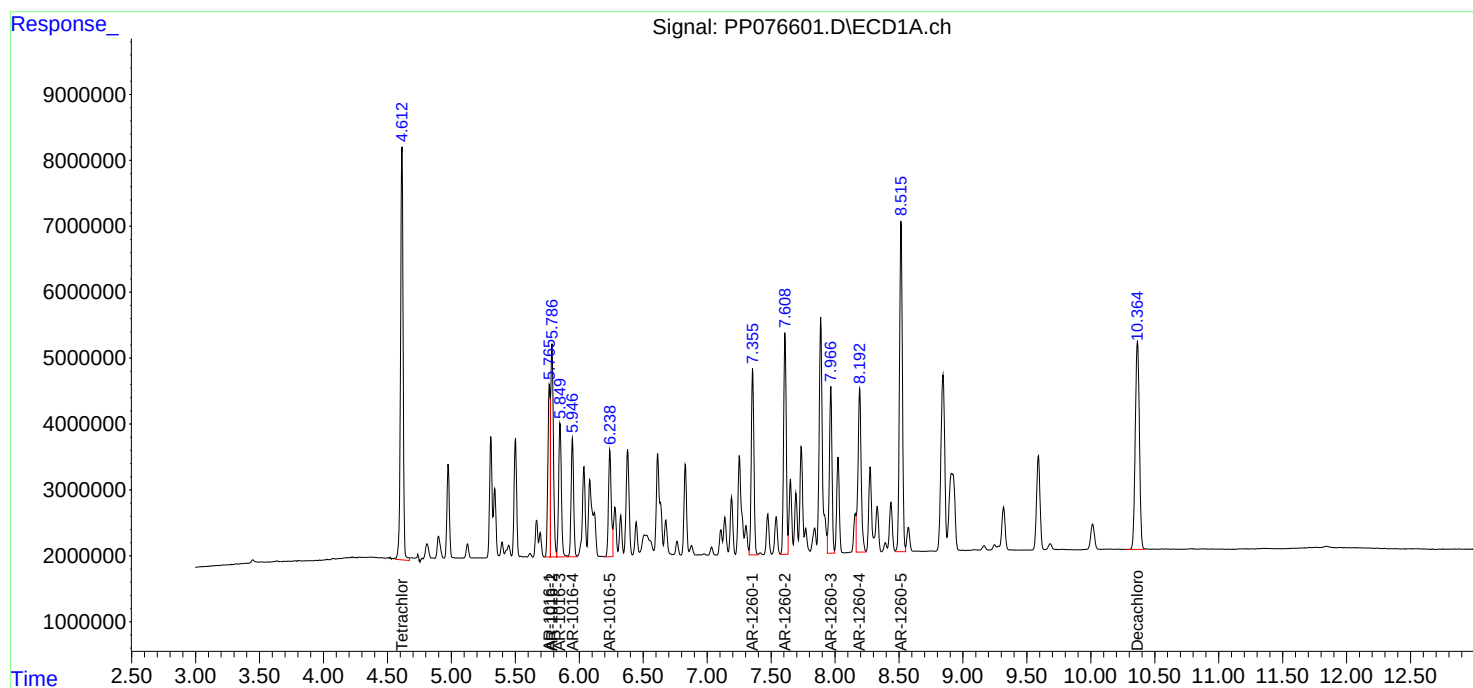
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

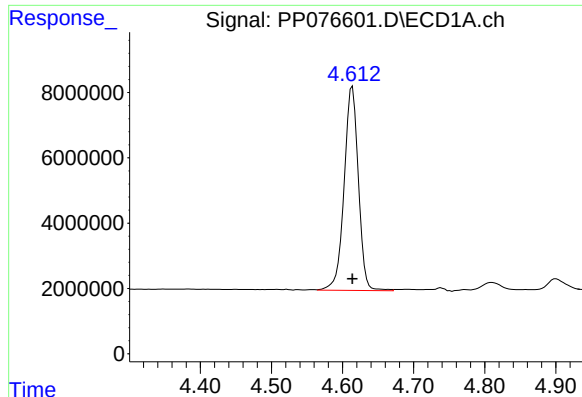
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 11:17
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 12:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 12:24:00 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

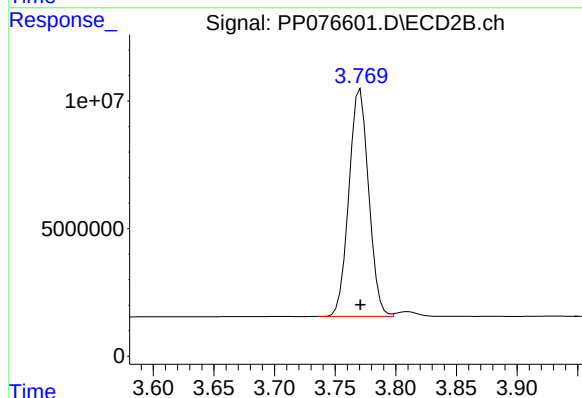




#1 Tetrachloro-m-xylene

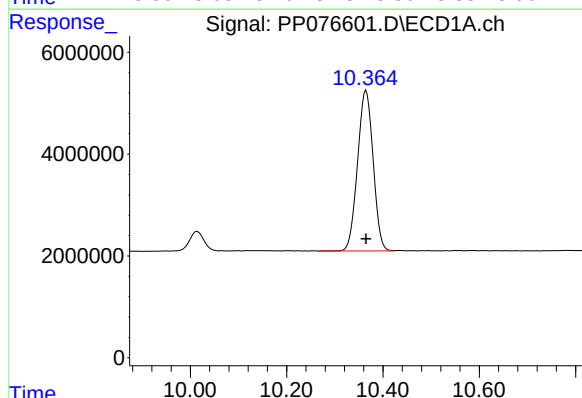
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 87137024
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



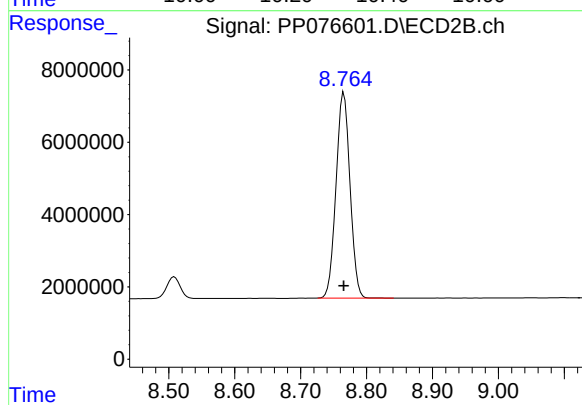
#1 Tetrachloro-m-xylene

R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 101006565
Conc: 50.00 ng/ml



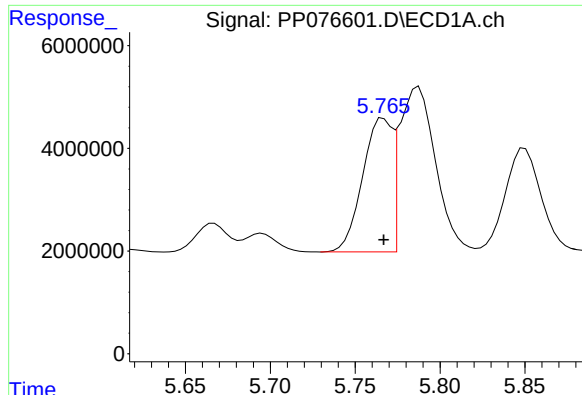
#2 Decachlorobiphenyl

R.T.: 10.365 min
Delta R.T.: 0.000 min
Response: 70807162
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

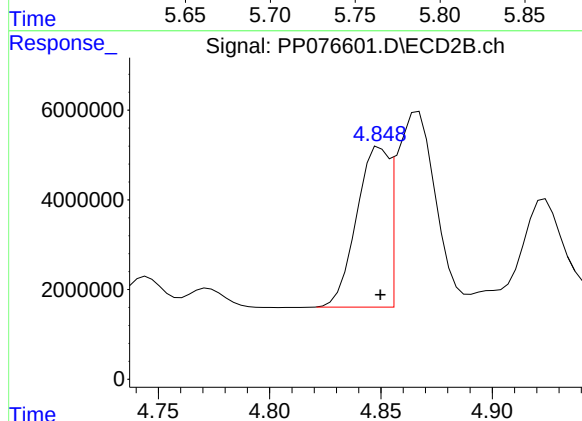
R.T.: 8.766 min
Delta R.T.: 0.000 min
Response: 83718644
Conc: 50.00 ng/ml



#3 AR-1016-1

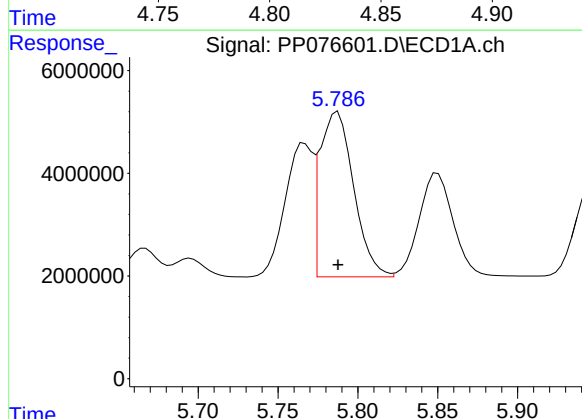
R.T.: 5.767 min
Delta R.T.: 0.000 min
Response: 31360337
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



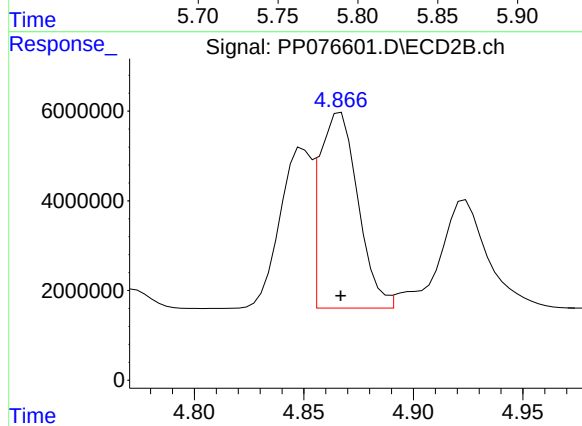
#3 AR-1016-1

R.T.: 4.850 min
Delta R.T.: 0.000 min
Response: 35724650
Conc: 500.00 ng/ml



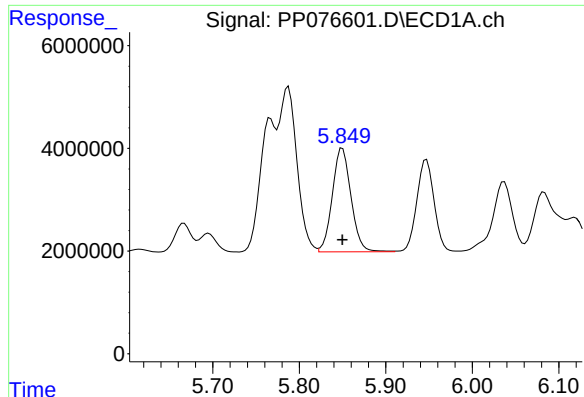
#4 AR-1016-2

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 47431889
Conc: 500.00 ng/ml



#4 AR-1016-2

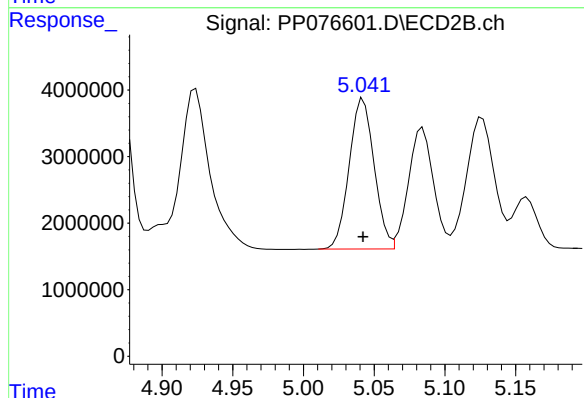
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 53364193
Conc: 500.00 ng/ml



#5 AR-1016-3

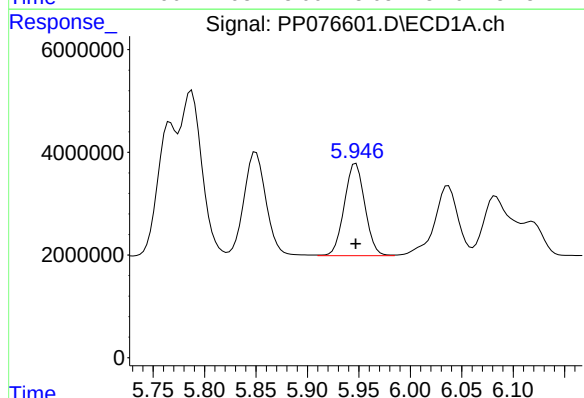
R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 30250523
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



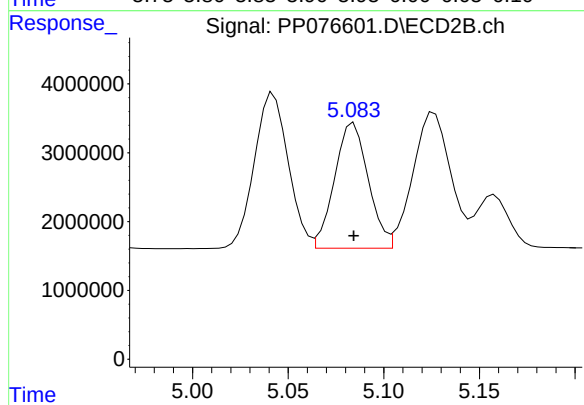
#5 AR-1016-3

R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 27881130
Conc: 500.00 ng/ml



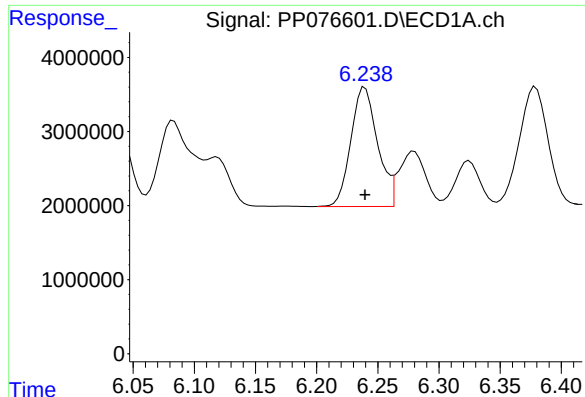
#6 AR-1016-4

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 25037980
Conc: 500.00 ng/ml



#6 AR-1016-4

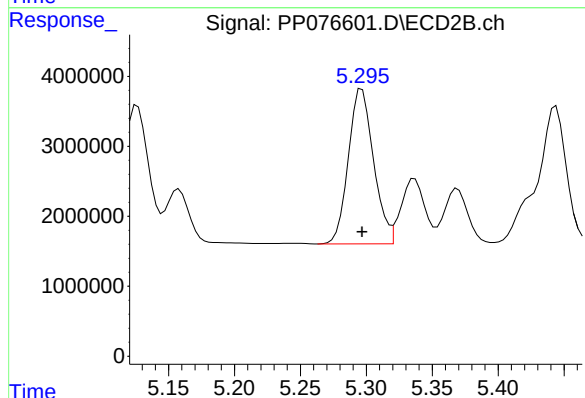
R.T.: 5.084 min
Delta R.T.: 0.000 min
Response: 22334410
Conc: 500.00 ng/ml



#7 AR-1016-5

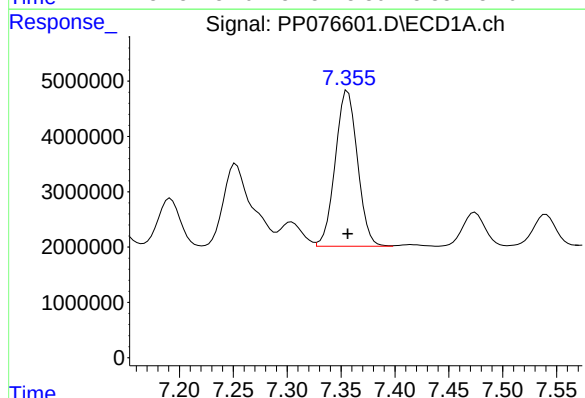
R.T.: 6.240 min
Delta R.T.: 0.000 min
Response: 24463137
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



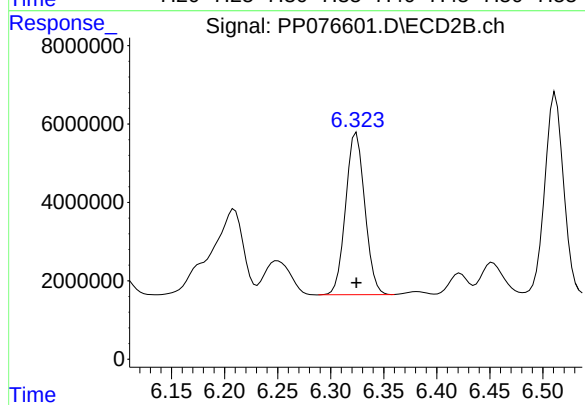
#7 AR-1016-5

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 29482083
Conc: 500.00 ng/ml



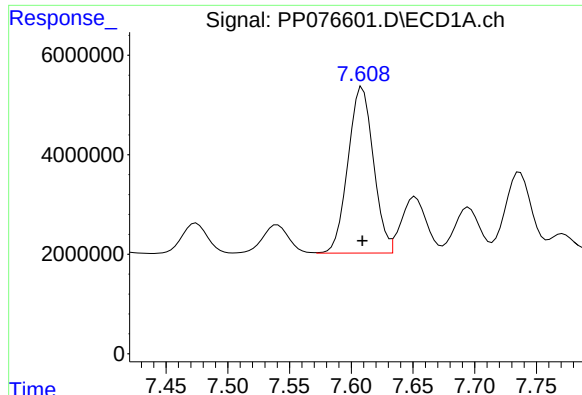
#31 AR-1260-1

R.T.: 7.356 min
Delta R.T.: 0.000 min
Response: 40431791
Conc: 500.00 ng/ml



#31 AR-1260-1

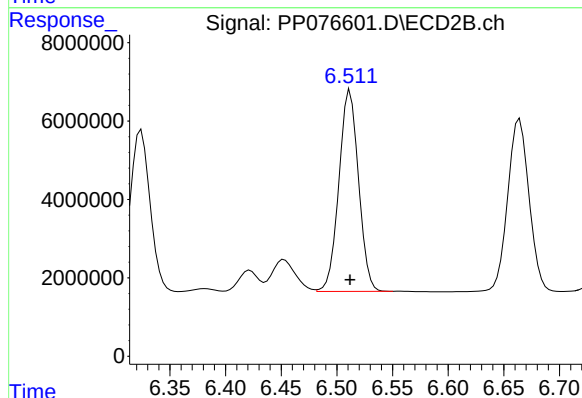
R.T.: 6.324 min
Delta R.T.: 0.000 min
Response: 51918360
Conc: 500.00 ng/ml



#32 AR-1260-2

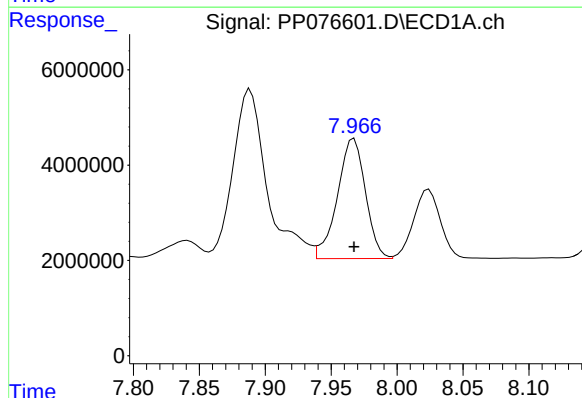
R.T.: 7.609 min
Delta R.T.: 0.000 min
Response: 47885097
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



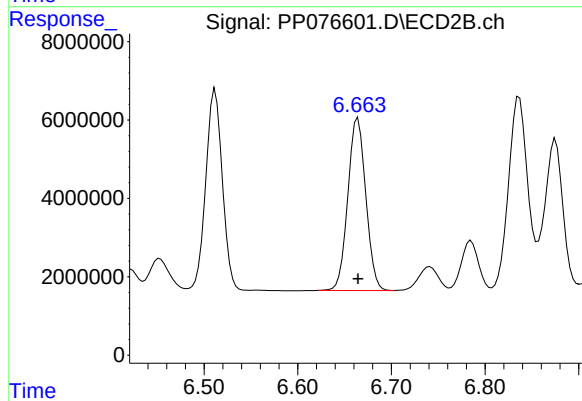
#32 AR-1260-2

R.T.: 6.512 min
Delta R.T.: 0.000 min
Response: 63062015
Conc: 500.00 ng/ml



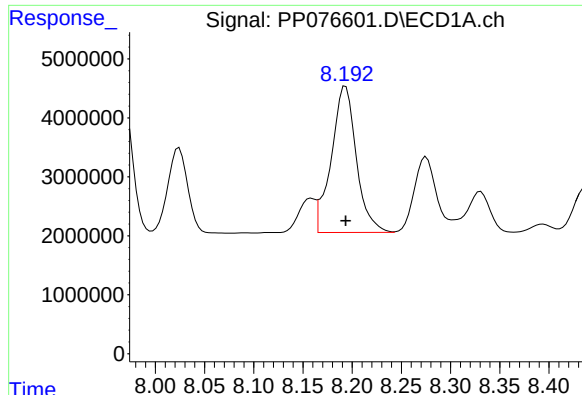
#33 AR-1260-3

R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 37278238
Conc: 500.00 ng/ml



#33 AR-1260-3

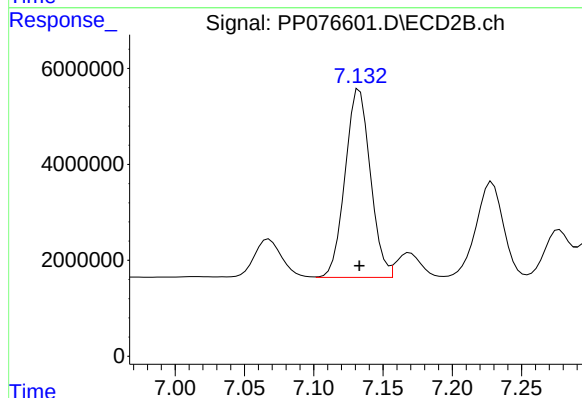
R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 58743797
Conc: 500.00 ng/ml



#34 AR-1260-4

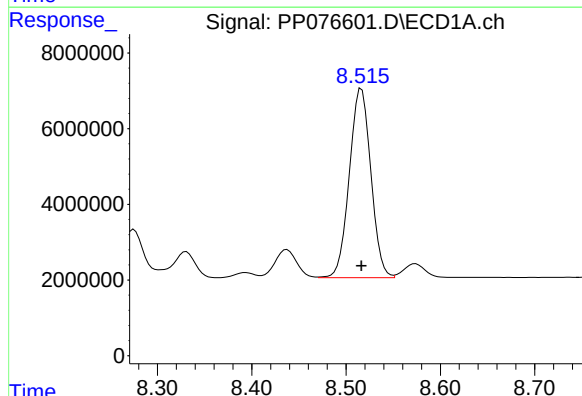
R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 43992537
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



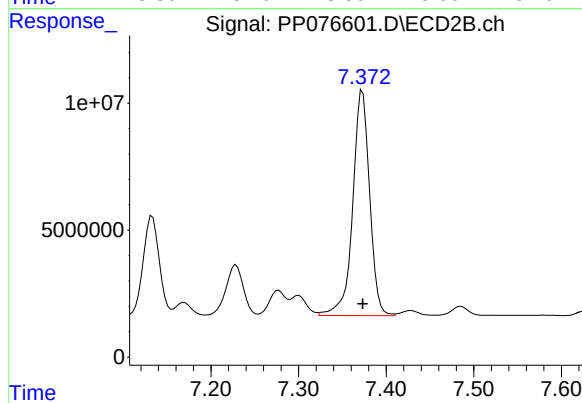
#34 AR-1260-4

R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 49858163
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.516 min
Delta R.T.: 0.000 min
Response: 79334616
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 118952559
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076602.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 11:33
 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: Nov 21 12:31:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 12:24:00 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...	4.619	3.776	46919355	52263726	27.047	25.525
2) SA Decachlor...	10.369	8.772	39578704	44933340	27.914	26.580
Target Compounds						
3) L1 AR-1016-1	5.772	4.855	17536514	19173552	279.623	266.084
4) L1 AR-1016-2	5.793	4.873	26631460	28494367	279.870	264.347
5) L1 AR-1016-3	5.856	5.048	17036620	14880740	281.783	265.775
6) L1 AR-1016-4	5.952	5.090	14039068	12171983	279.817	272.635
7) L1 AR-1016-5	6.245	5.302	13644010	16030711	279.892	271.637
31) L7 AR-1260-1	7.362	6.330	22822012	27912696	282.537	268.441
32) L7 AR-1260-2	7.615	6.517	26757467	34010301	280.751	268.722
33) L7 AR-1260-3	7.973	6.670	20974021	31428581	281.212	265.749
34) L7 AR-1260-4	8.199	7.139	24441806	26534909	278.695	265.115
35) L7 AR-1260-5	8.522	7.379	43993221	62450336	276.463	259.727

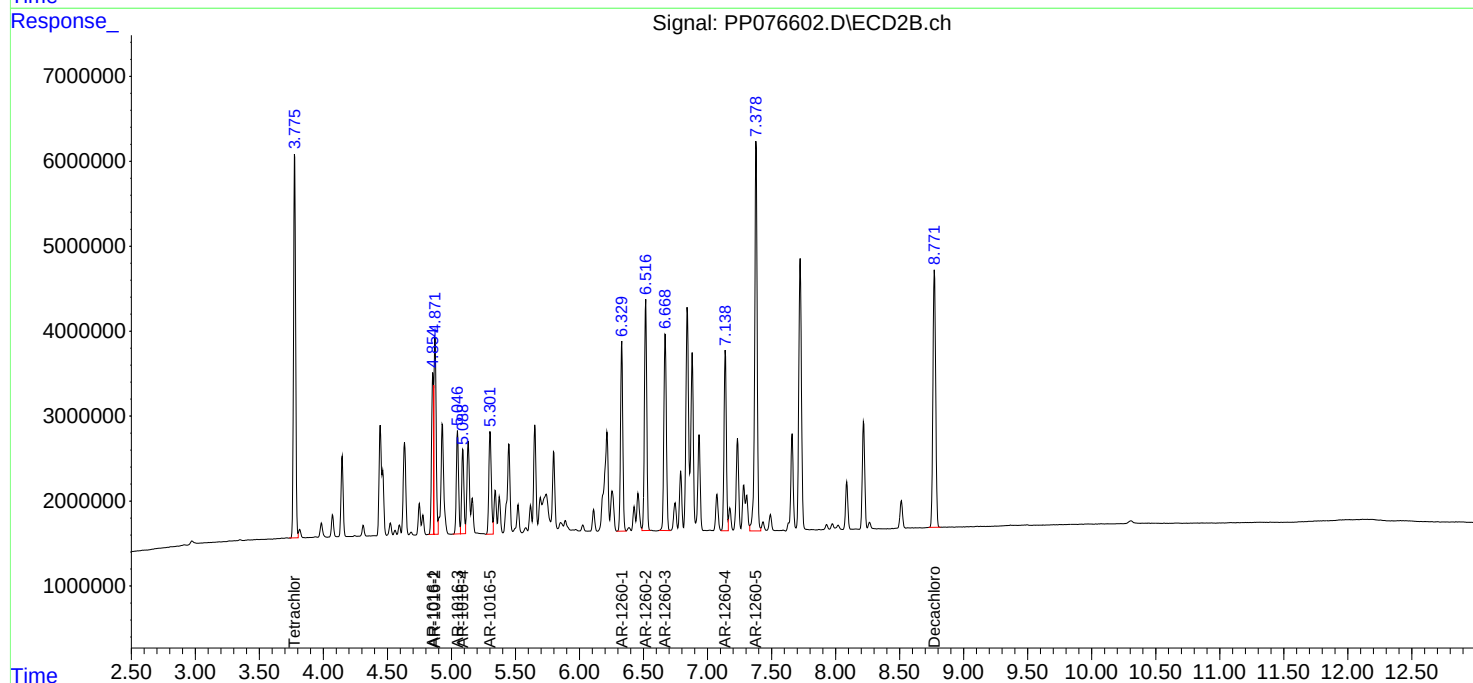
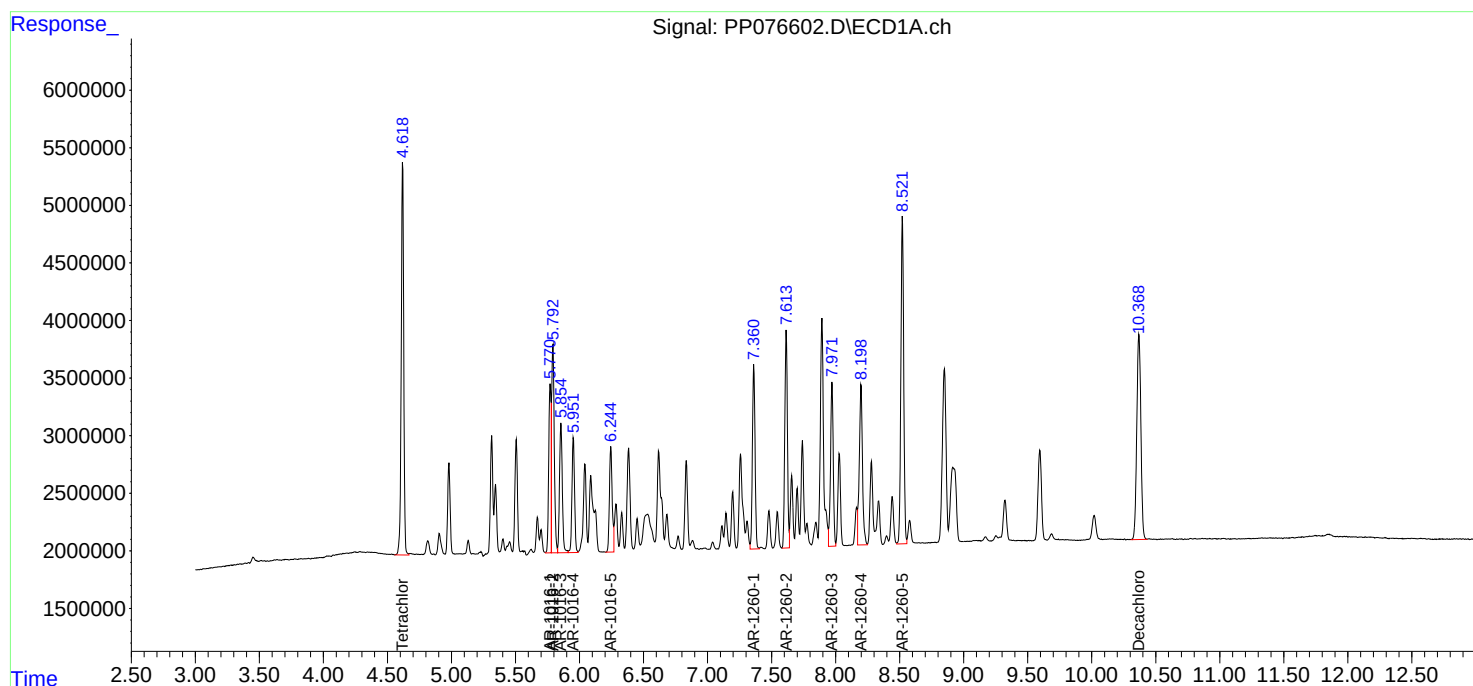
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

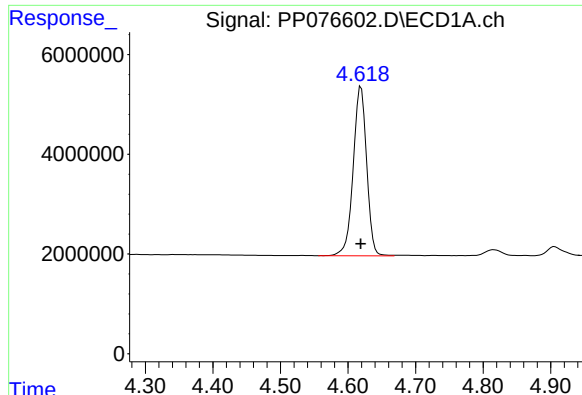
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 11:33
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 12:31:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 12:24:00 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

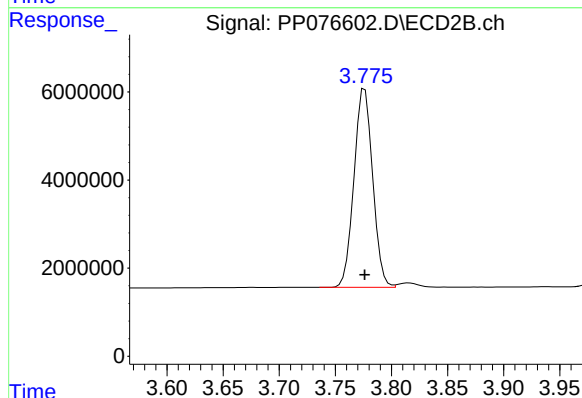




#1 Tetrachloro-m-xylene

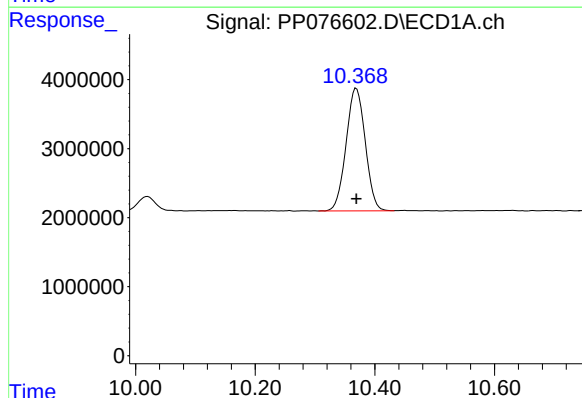
R.T.: 4.619 min
Delta R.T.: 0.000 min
Response: 46919355
Conc: 27.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



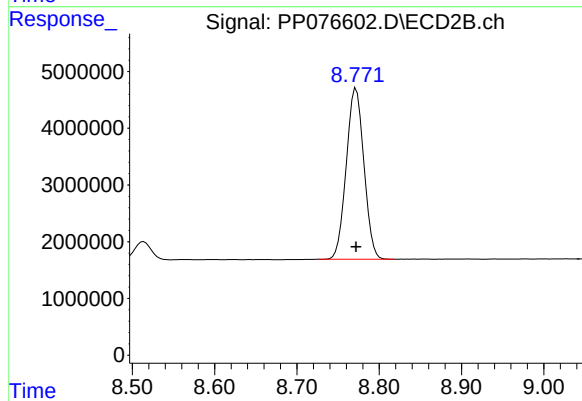
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: 0.000 min
Response: 52263726
Conc: 25.53 ng/ml



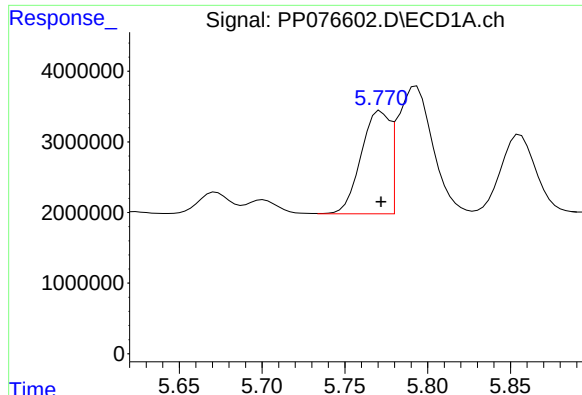
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 39578704
Conc: 27.91 ng/ml



#2 Decachlorobiphenyl

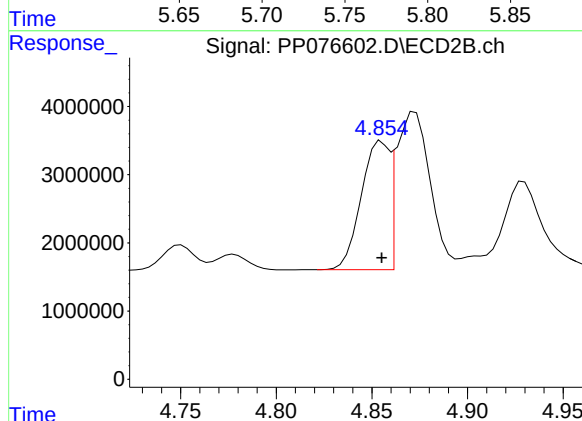
R.T.: 8.772 min
Delta R.T.: 0.000 min
Response: 44933340
Conc: 26.58 ng/ml



#3 AR-1016-1

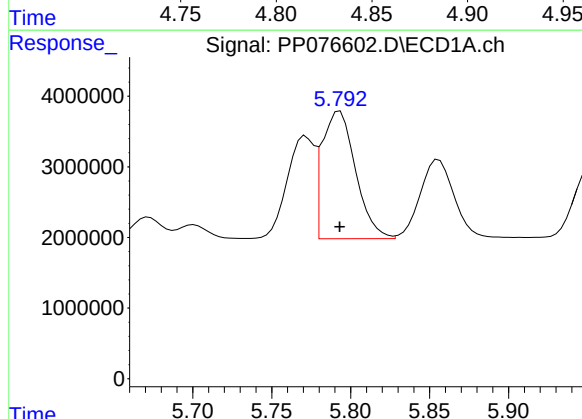
R.T.: 5.772 min
Delta R.T.: 0.000 min
Response: 17536514
Conc: 279.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



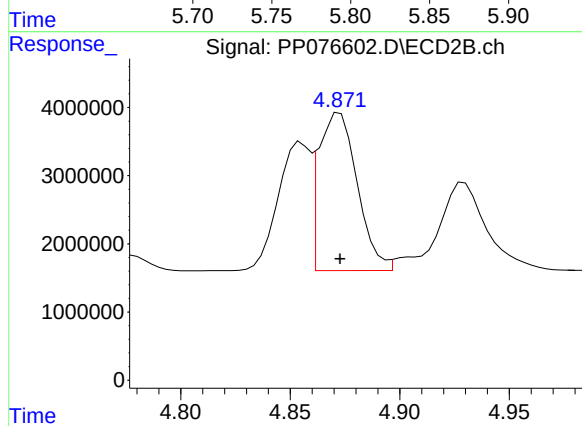
#3 AR-1016-1

R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 19173552
Conc: 266.08 ng/ml



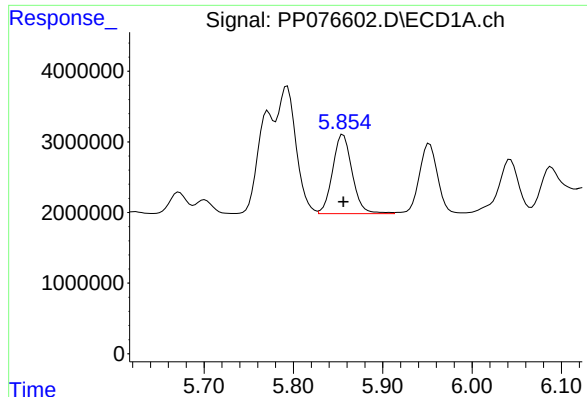
#4 AR-1016-2

R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 26631460
Conc: 279.87 ng/ml



#4 AR-1016-2

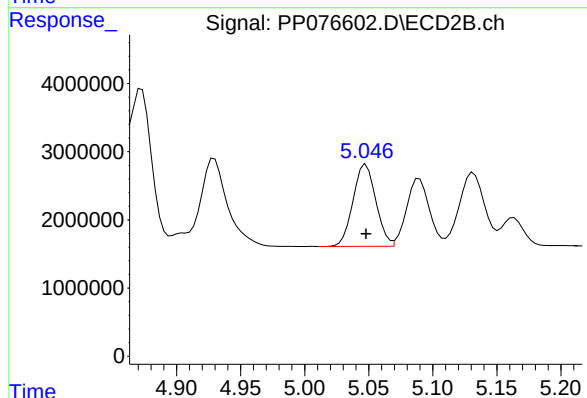
R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 28494367
Conc: 264.35 ng/ml



#5 AR-1016-3

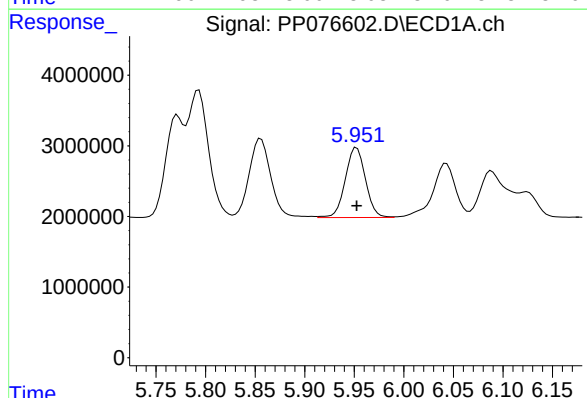
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 17036620
Conc: 281.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



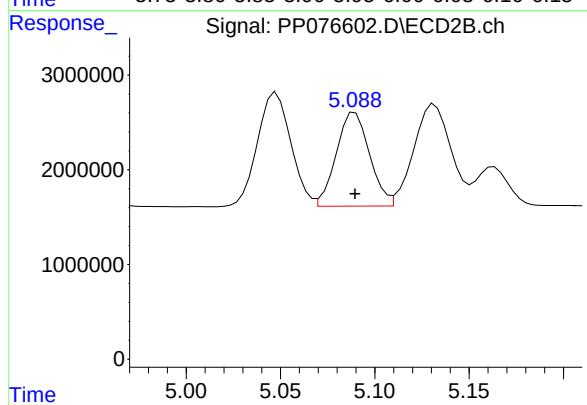
#5 AR-1016-3

R.T.: 5.048 min
Delta R.T.: 0.000 min
Response: 14880740
Conc: 265.78 ng/ml



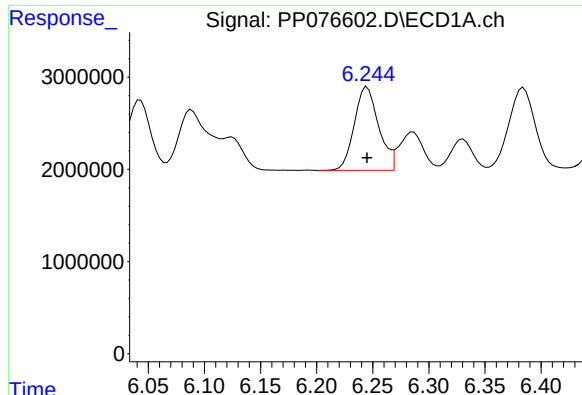
#6 AR-1016-4

R.T.: 5.952 min
Delta R.T.: 0.000 min
Response: 14039068
Conc: 279.82 ng/ml



#6 AR-1016-4

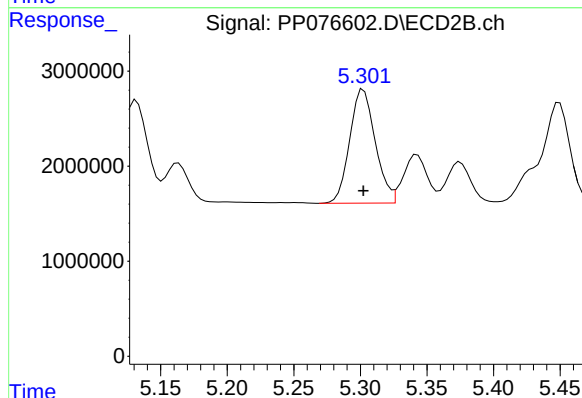
R.T.: 5.090 min
Delta R.T.: 0.000 min
Response: 12171983
Conc: 272.64 ng/ml



#7 AR-1016-5

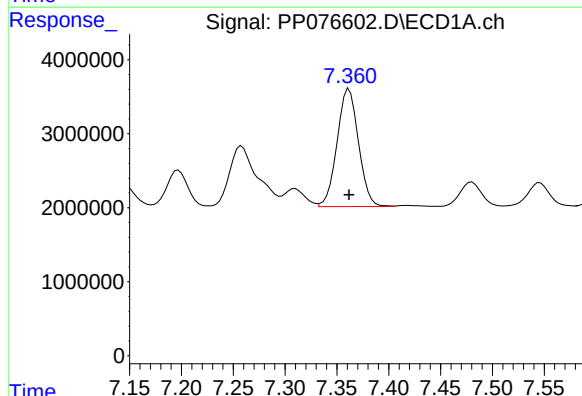
R.T.: 6.245 min
Delta R.T.: 0.000 min
Response: 13644010
Conc: 279.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



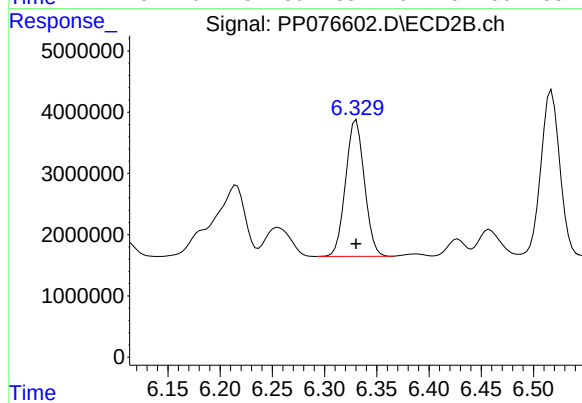
#7 AR-1016-5

R.T.: 5.302 min
Delta R.T.: 0.000 min
Response: 16030711
Conc: 271.64 ng/ml



#31 AR-1260-1

R.T.: 7.362 min
Delta R.T.: 0.000 min
Response: 22822012
Conc: 282.54 ng/ml



#31 AR-1260-1

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 27912696
Conc: 268.44 ng/ml

Response_ Signal: PP076602.D\ECD1A.ch

#32 AR-1260-2

R.T.: 7.615 min
Delta R.T.: 0.000 min
Response: 26757467
Conc: 280.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Time

Response_ Signal: PP076602.D\ECD2B.ch

#32 AR-1260-2

R.T.: 6.517 min
Delta R.T.: 0.000 min
Response: 34010301
Conc: 268.72 ng/ml

Time

Response_ Signal: PP076602.D\ECD1A.ch

#33 AR-1260-3

R.T.: 7.973 min
Delta R.T.: 0.000 min
Response: 20974021
Conc: 281.21 ng/ml

Time

Response_ Signal: PP076602.D\ECD2B.ch

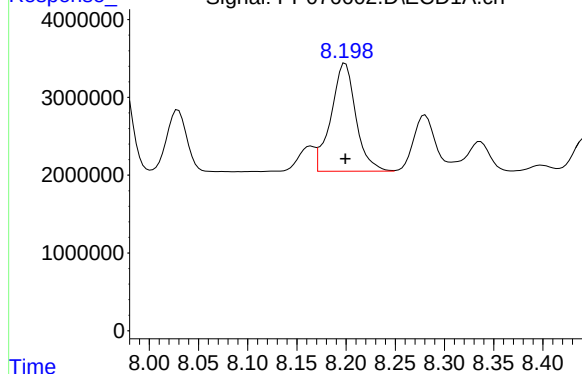
#33 AR-1260-3

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 31428581
Conc: 265.75 ng/ml

Time

Signal: PP076602.D\ECD1A.ch

#34 AR-1260-4

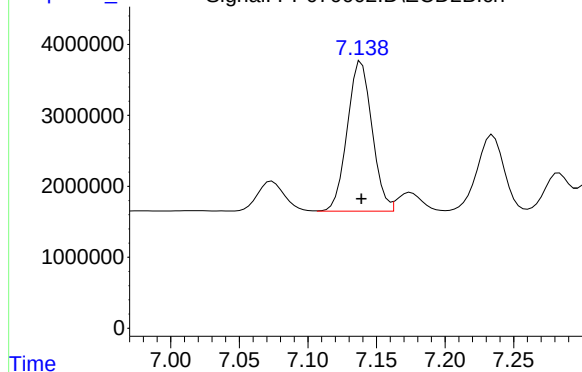


R.T.: 8.199 min
Delta R.T.: 0.000 min
Response: 24441806
Conc: 278.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Signal: PP076602.D\ECD2B.ch

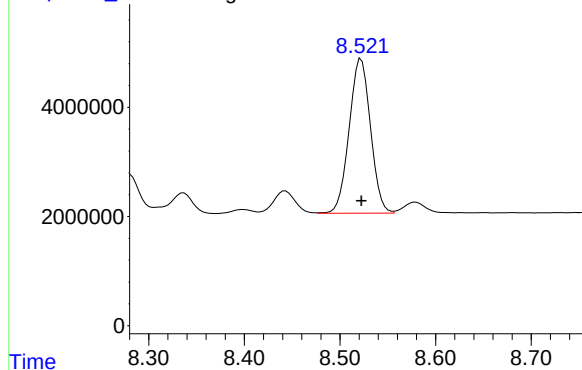
#34 AR-1260-4



R.T.: 7.139 min
Delta R.T.: 0.000 min
Response: 26534909
Conc: 265.12 ng/ml

Signal: PP076602.D\ECD1A.ch

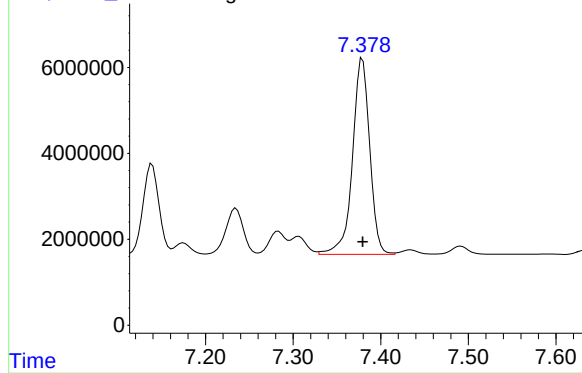
#35 AR-1260-5



R.T.: 8.522 min
Delta R.T.: 0.000 min
Response: 43993221
Conc: 276.46 ng/ml

Signal: PP076602.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.379 min
Delta R.T.: 0.000 min
Response: 62450336
Conc: 259.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 11:49
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 12:36:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 12:24:00 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...	4.615	3.773	11192634	11122714	6.098	5.340
2)	SA Decachlor...	10.364	8.767	9109307	10303097	6.072m	5.839
Target Compounds							
3)	L1 AR-1016-1	5.768	4.851	4335759	4381052	64.219	58.281
4)	L1 AR-1016-2	5.789	4.869	6195635	6239866	61.399	56.118
5)	L1 AR-1016-3	5.850	5.044	4156592	3292965	64.335m	56.811
6)	L1 AR-1016-4	5.949	5.086	3351371	2758542	62.592	59.005
7)	L1 AR-1016-5	6.242	5.299	3142829	3682066	60.944	59.445
31)	L7 AR-1260-1	7.356	6.327	5559093	6479335	63.740m	59.388
32)	L7 AR-1260-2	7.610	6.514	6777616	7932744	65.642m	59.653
33)	L7 AR-1260-3	7.969	6.666	5179314	7320682	64.431	59.088
34)	L7 AR-1260-4	8.193	7.135	5877708	5951964	62.272m	57.297
35)	L7 AR-1260-5	8.518	7.375	10678345	13691562	62.808	55.404

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 11:49
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

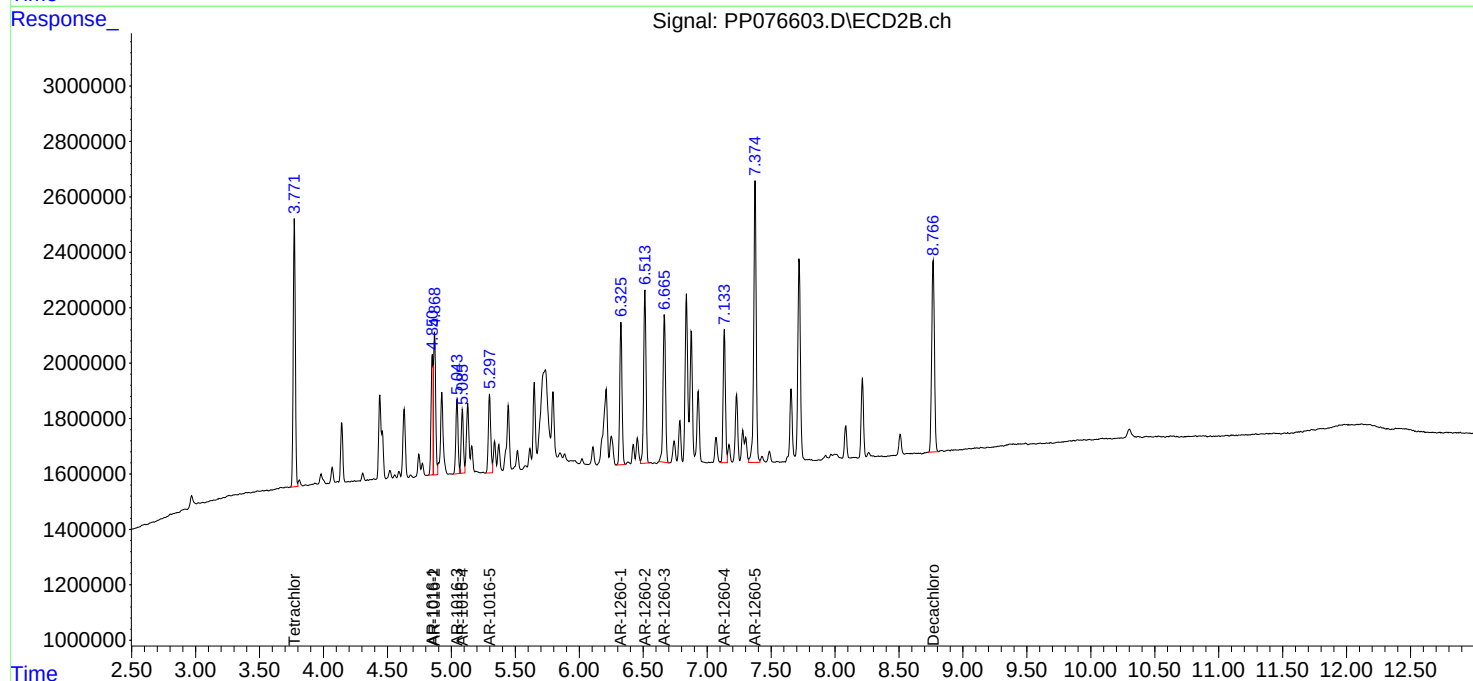
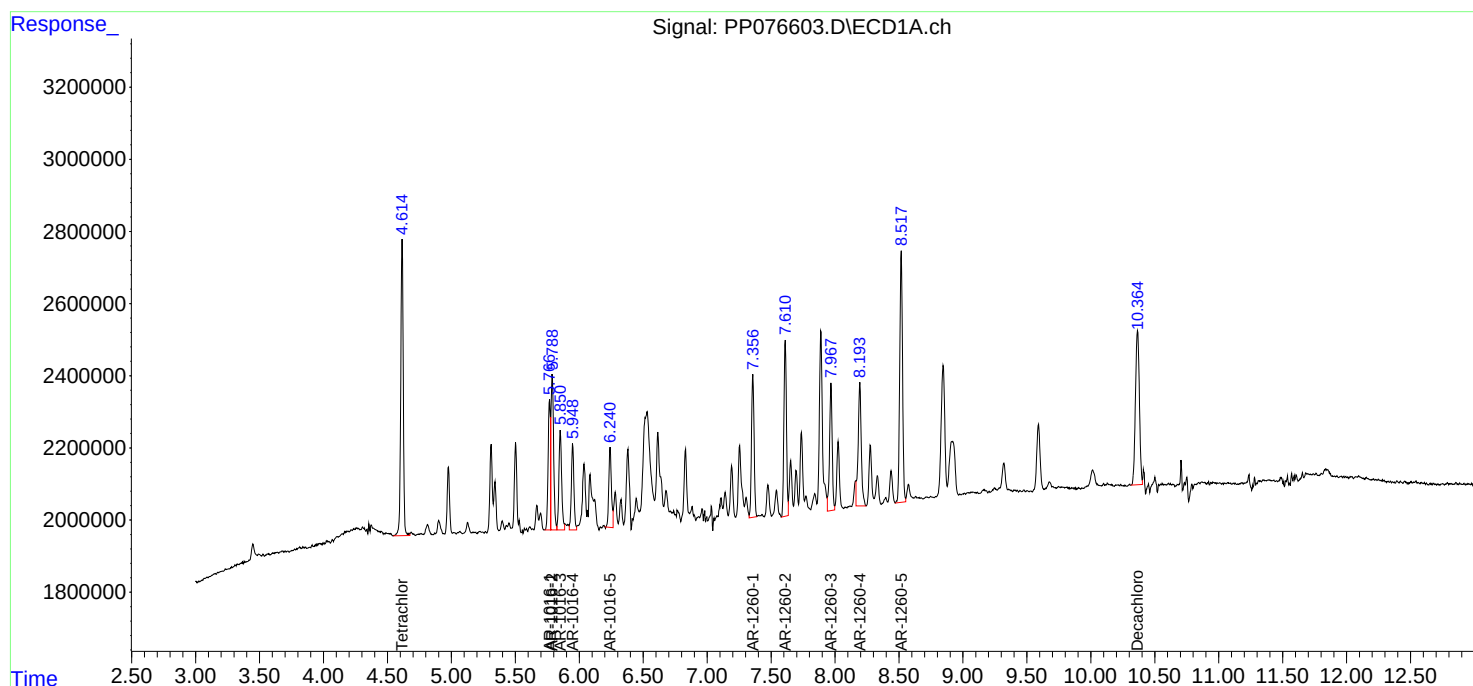
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

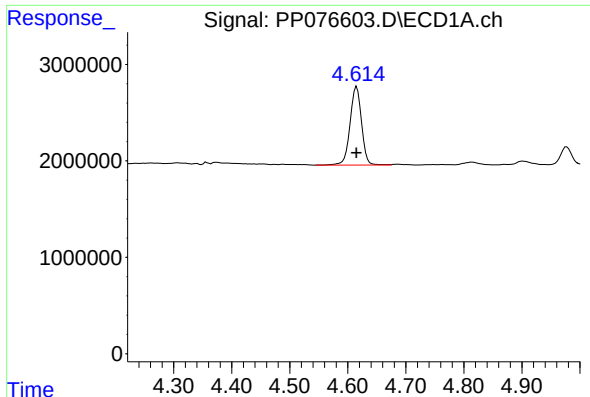
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/24/2025
Supervised By : mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 12:36:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 12:24:00 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

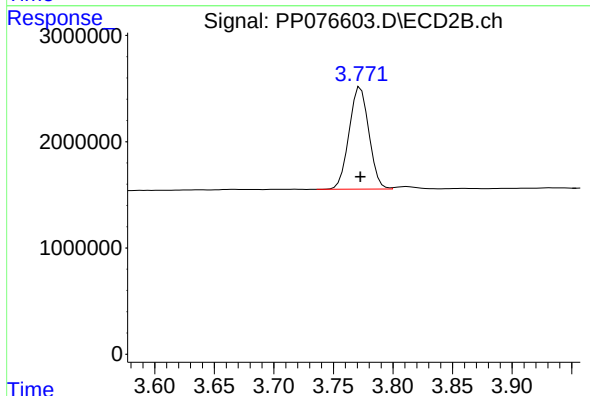
R.T.: 4.615 min
Delta R.T.: 0.000 min
Response: 11192634
Conc: 6.10 ng/ml

ICAL Form

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

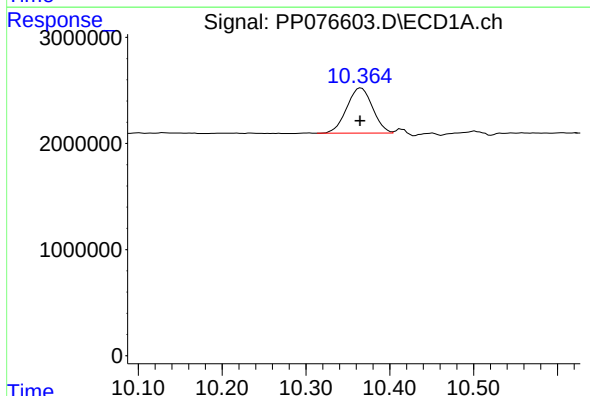
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



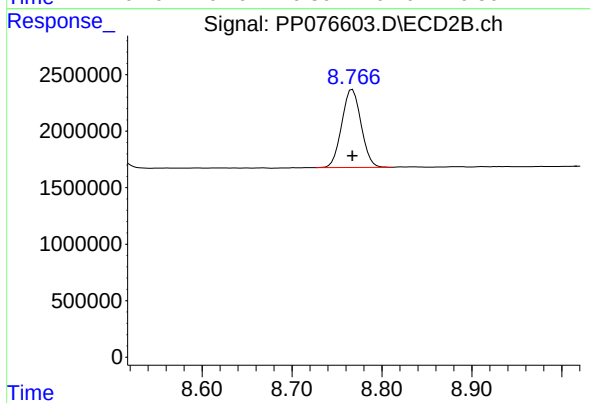
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 11122714
Conc: 5.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.364 min
Delta R.T.: 0.000 min
Response: 9109307
Conc: 6.07 ng/ml m

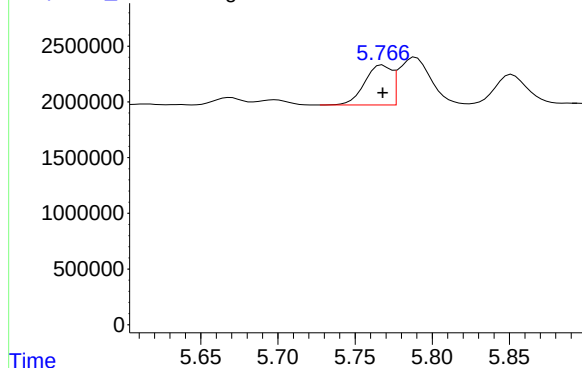


#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: 0.000 min
Response: 10303097
Conc: 5.84 ng/ml

Response_ Signal: PP076603.D\ECD1A.ch

#3 AR-1016-1



R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 4335759
Conc: 64.22 ng/ml

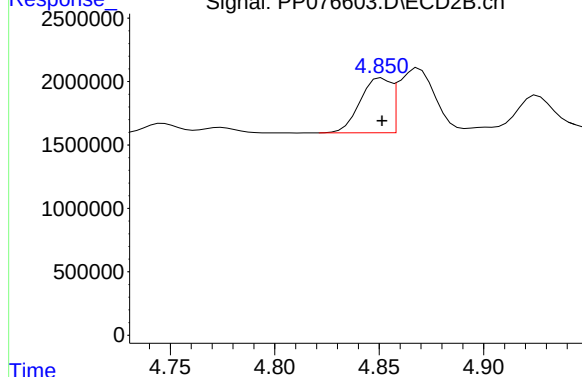
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Time Response_ Signal: PP076603.D\ECD2B.ch

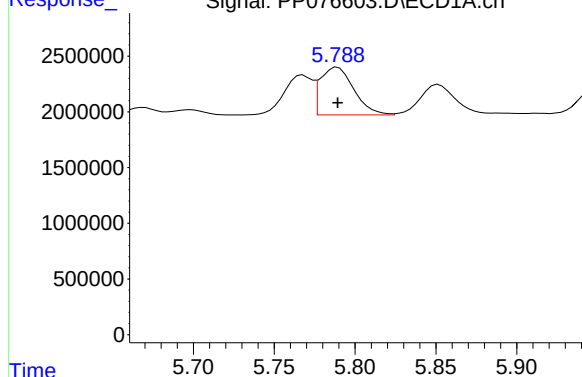
#3 AR-1016-1



R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 4381052
Conc: 58.28 ng/ml

Time Response_ Signal: PP076603.D\ECD1A.ch

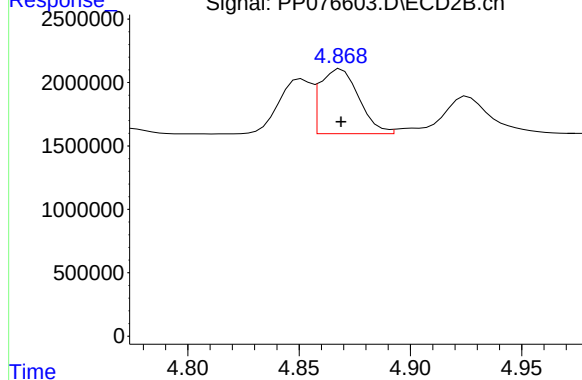
#4 AR-1016-2



R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 6195635
Conc: 61.40 ng/ml

Time Response_ Signal: PP076603.D\ECD2B.ch

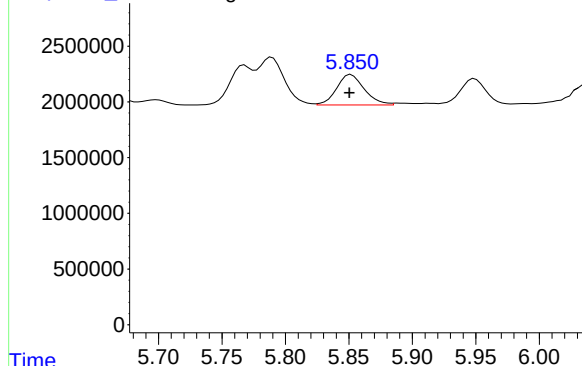
#4 AR-1016-2



R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 6239866
Conc: 56.12 ng/ml

Response_ Signal: PP076603.D\ECD1A.ch

#5 AR-1016-3



R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 4156592
Conc: 64.33 ng/ml

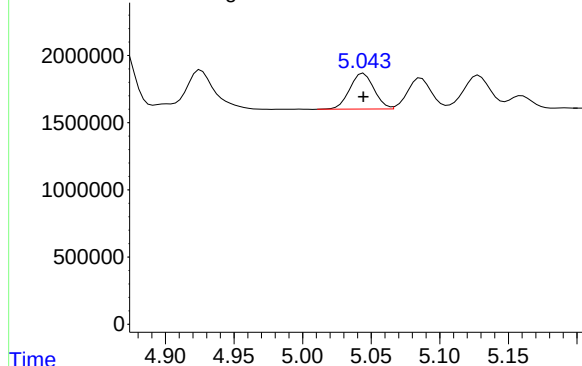
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Time Response_ Signal: PP076603.D\ECD2B.ch

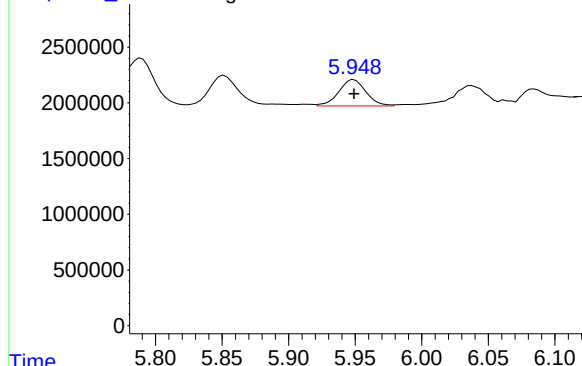
#5 AR-1016-3



R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 3292965
Conc: 56.81 ng/ml

Time Response_ Signal: PP076603.D\ECD1A.ch

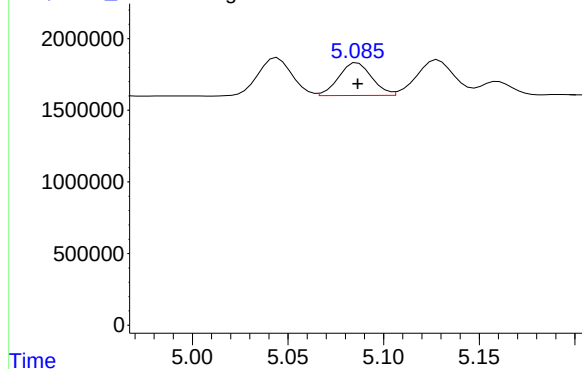
#6 AR-1016-4



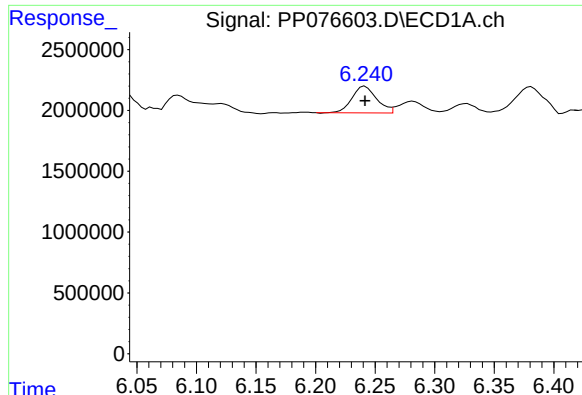
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 3351371
Conc: 62.59 ng/ml

Time Response_ Signal: PP076603.D\ECD2B.ch

#6 AR-1016-4



R.T.: 5.086 min
Delta R.T.: 0.000 min
Response: 2758542
Conc: 59.01 ng/ml



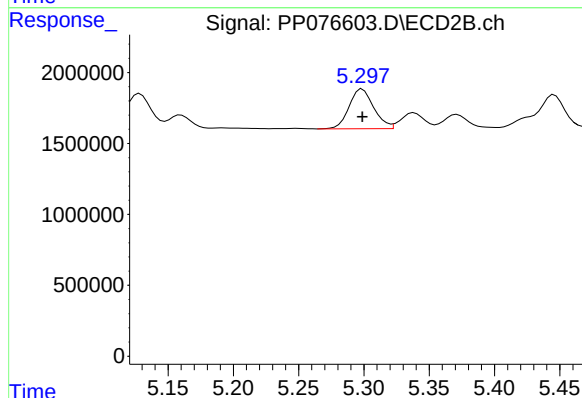
#7 AR-1016-5

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 3142829
Conc: 60.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

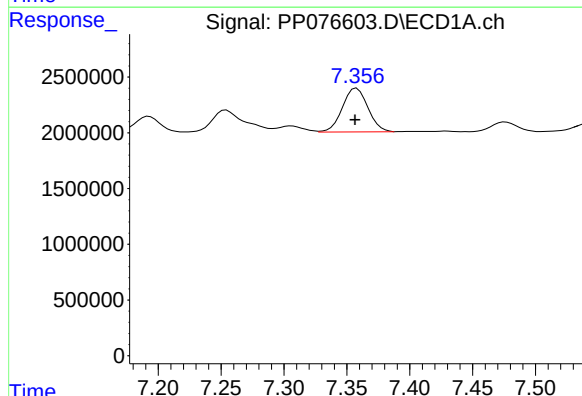
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



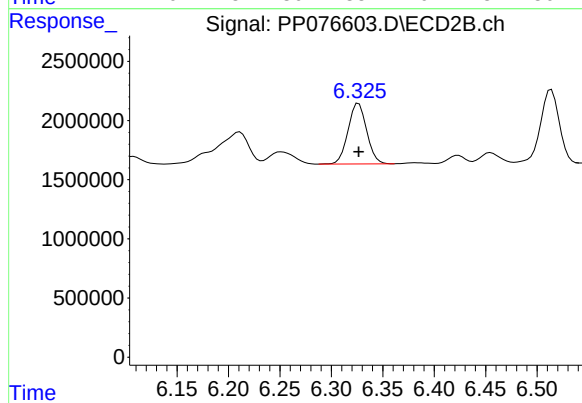
#7 AR-1016-5

R.T.: 5.299 min
Delta R.T.: 0.000 min
Response: 3682066
Conc: 59.45 ng/ml



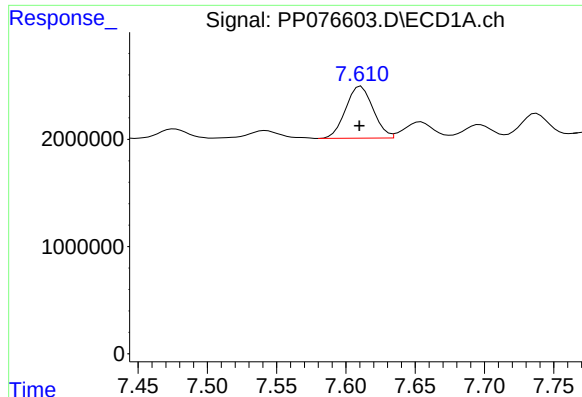
#31 AR-1260-1

R.T.: 7.356 min
Delta R.T.: 0.000 min
Response: 5559093
Conc: 63.74 ng/ml m



#31 AR-1260-1

R.T.: 6.327 min
Delta R.T.: 0.000 min
Response: 6479335
Conc: 59.39 ng/ml



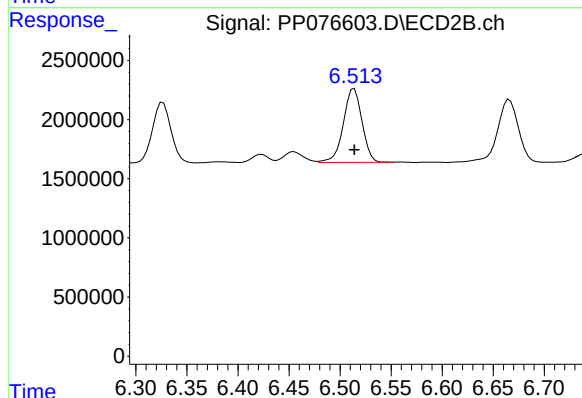
#32 AR-1260-2

R.T.: 7.610 min
Delta R.T.: 0.000 min
Response: 6777616
Conc: 65.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

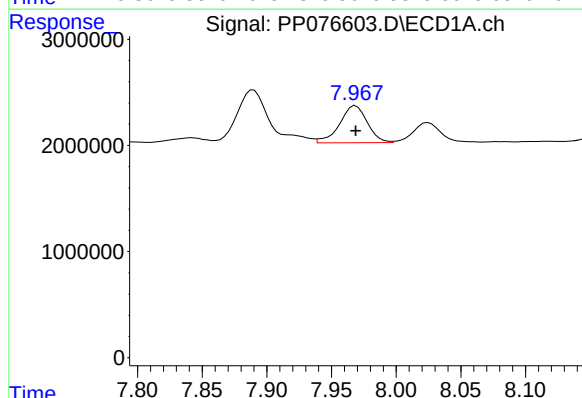
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



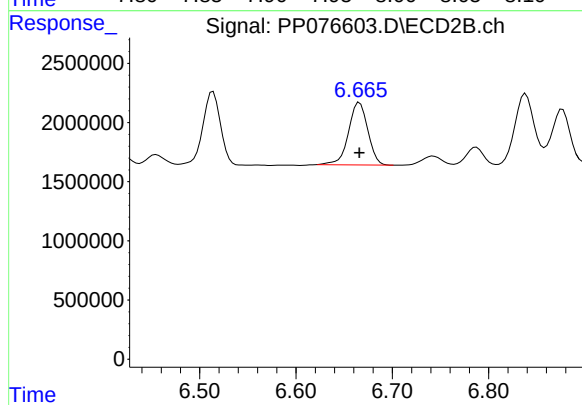
#32 AR-1260-2

R.T.: 6.514 min
Delta R.T.: 0.000 min
Response: 7932744
Conc: 59.65 ng/ml



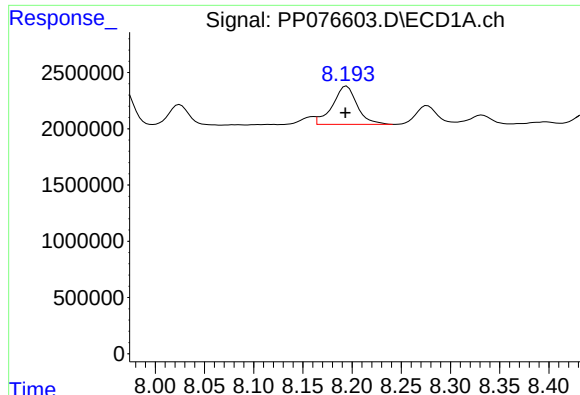
#33 AR-1260-3

R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 5179314
Conc: 64.43 ng/ml



#33 AR-1260-3

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 7320682
Conc: 59.09 ng/ml



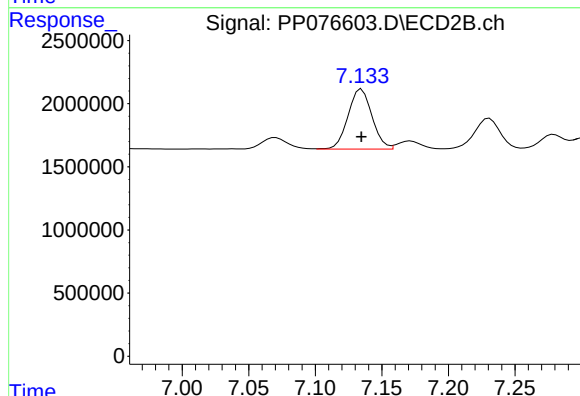
#34 AR-1260-4

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 5877708
Conc: 62.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

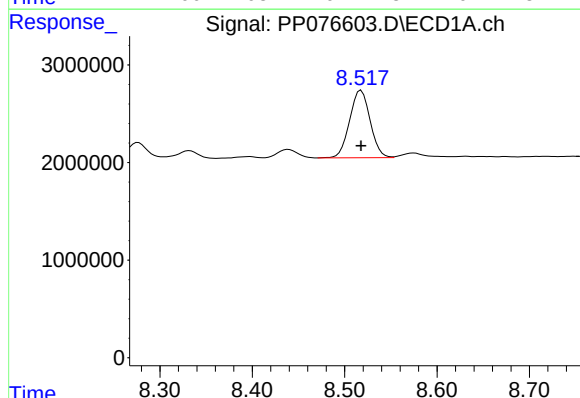
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



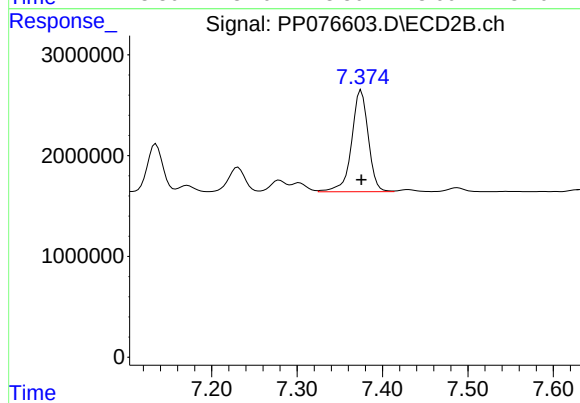
#34 AR-1260-4

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 5951964
Conc: 57.30 ng/ml



#35 AR-1260-5

R.T.: 8.518 min
Delta R.T.: 0.000 min
Response: 10678345
Conc: 62.81 ng/ml



#35 AR-1260-5

R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 13691562
Conc: 55.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076604.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 12:38
 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: Nov 21 13:29:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 13:28:56 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...	4.618	3.773	86138530	99823875	50.000	50.000
2) SA Decachlor...	10.370	8.769	66786761	78868724	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.818	3.983	12916885	13358906	500.000	500.000
9) L2 AR-1221-2	4.904	4.069	9963586	9995815	500.000	500.000
10) L2 AR-1221-3	4.980	4.145	27879038	30135927	500.000	500.000

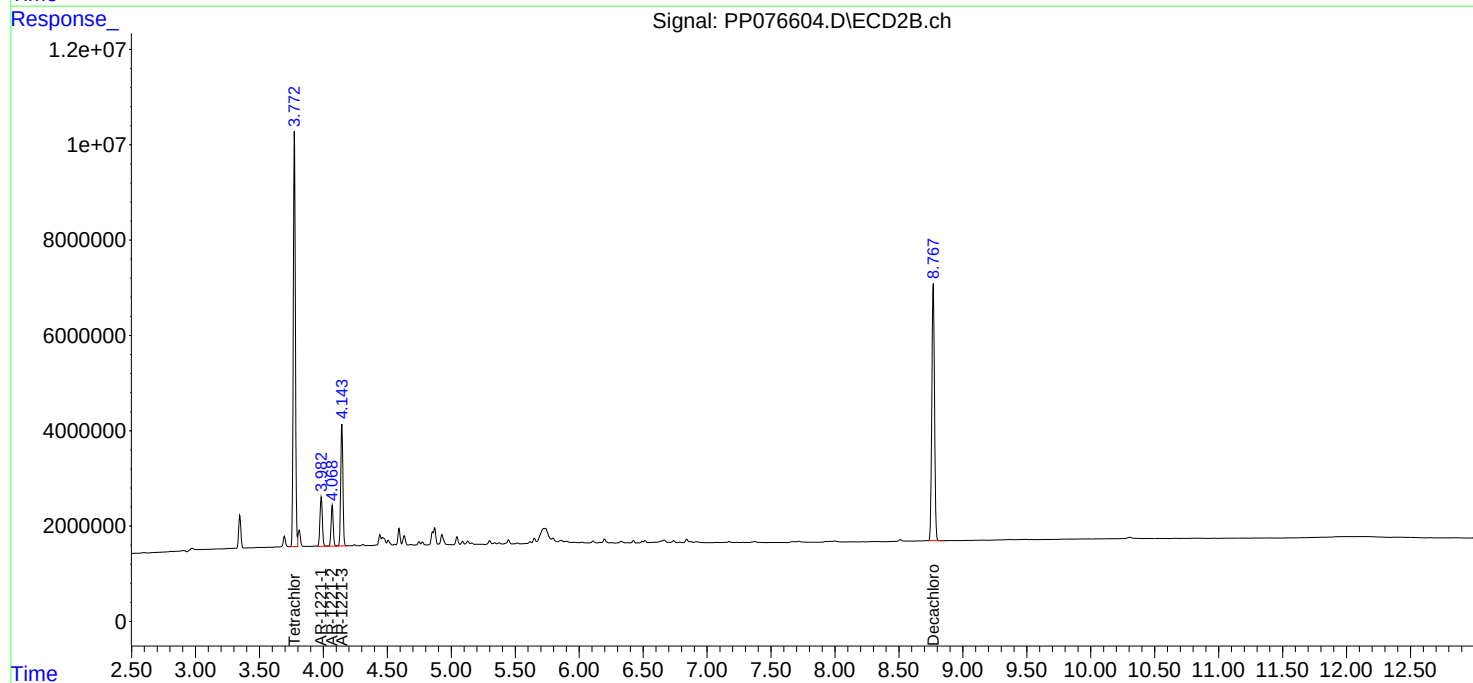
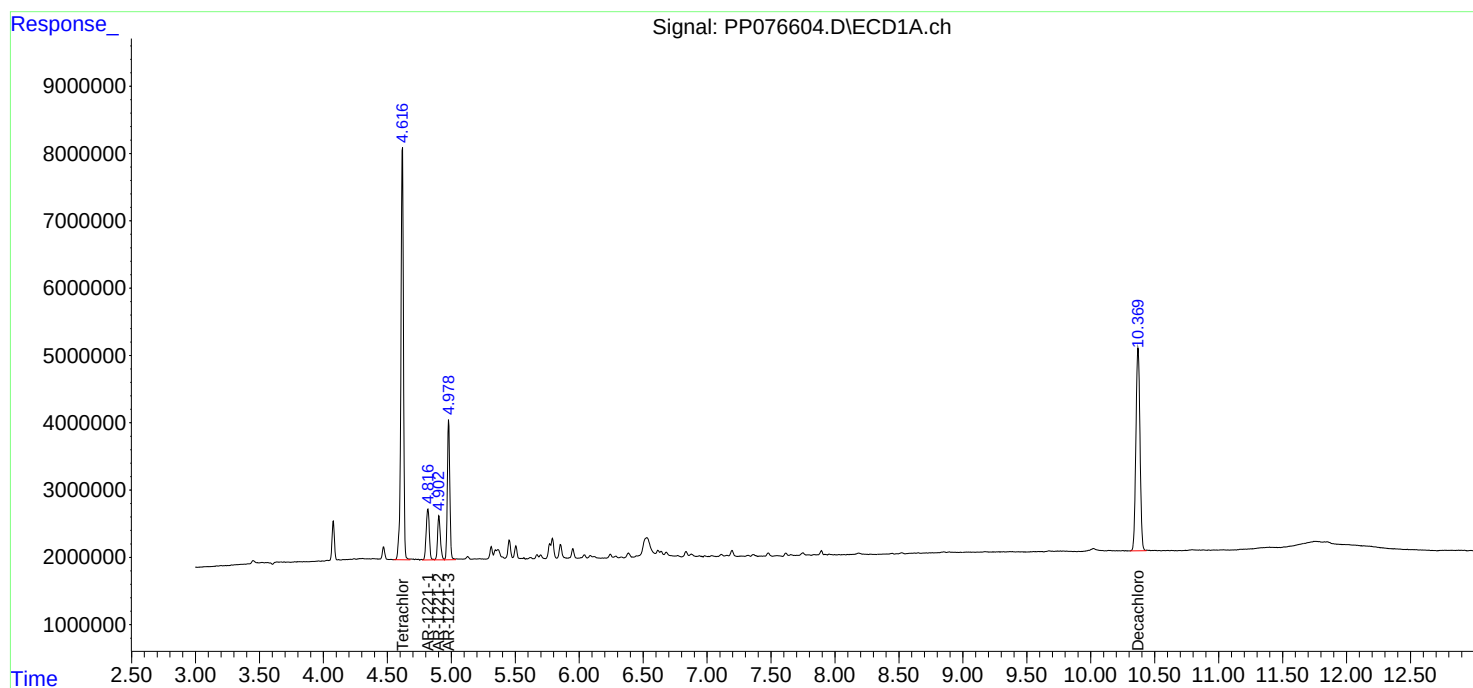
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

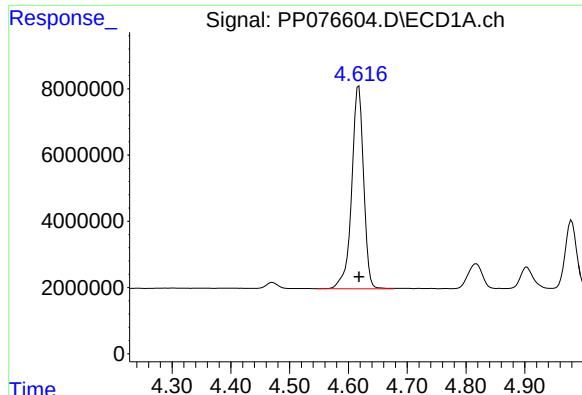
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 12:38
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 13:29:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 13:28:56 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

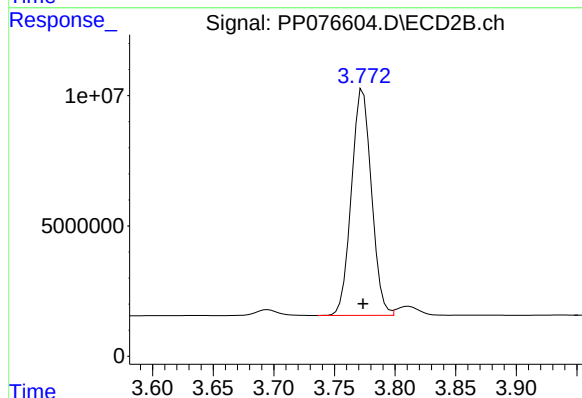




#1 Tetrachloro-m-xylene

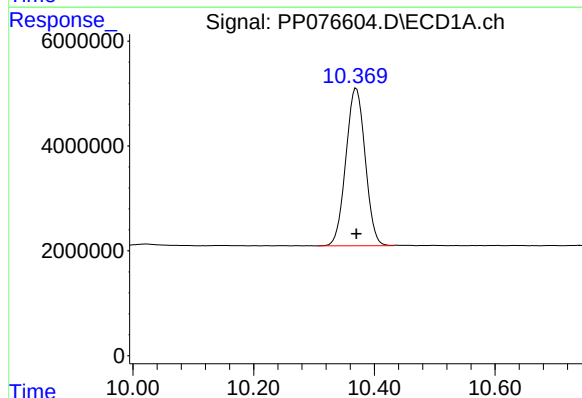
R.T.: 4.618 min
Delta R.T.: 0.000 min
Response: 86138530
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



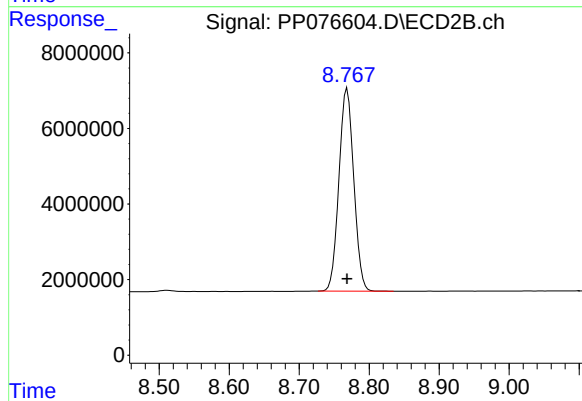
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 99823875
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.370 min
Delta R.T.: 0.000 min
Response: 66786761
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 78868724
Conc: 50.00 ng/ml

Response_ Signal: PP076604.D\ECD1A.ch

#8 AR-1221-1

R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 12916885
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Time

Response_ Signal: PP076604.D\ECD2B.ch

#8 AR-1221-1

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 13358906
Conc: 500.00 ng/ml

Time

Response_ Signal: PP076604.D\ECD1A.ch

#9 AR-1221-2

R.T.: 4.904 min
Delta R.T.: 0.000 min
Response: 9963586
Conc: 500.00 ng/ml

Time

Response_ Signal: PP076604.D\ECD2B.ch

#9 AR-1221-2

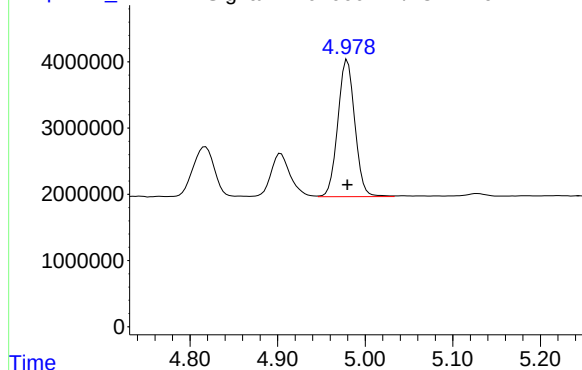
R.T.: 4.069 min
Delta R.T.: 0.000 min
Response: 9995815
Conc: 500.00 ng/ml

Time

Response_

Signal: PP076604.D\ECD1A.ch

#10 AR-1221-3



R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 27879038
Conc: 500.00 ng/ml

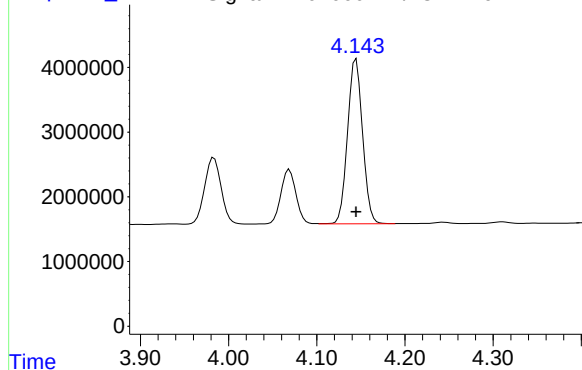
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Time

Response_

Signal: PP076604.D\ECD2B.ch

#10 AR-1221-3



R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 30135927
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076605.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 12:56
 Operator : YP\AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 13:31:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 13:28:56 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...	4.621	3.774	86417746	102.0E6	50.000	50.000
2) SA Decachlor...	10.375	8.771	68491846	80582411	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.983	4.145	21736290	23540456	500.000	500.000
12) L3 AR-1232-2	5.508	4.871	11182315	23057748	500.000	500.000
13) L3 AR-1232-3	5.795	5.047	21962317	12120703	500.000	500.000
14) L3 AR-1232-4	5.955	5.130	11354210	10766264	500.000	500.000
15) L3 AR-1232-5	6.044	5.301	8412528	11768056	500.000	500.000

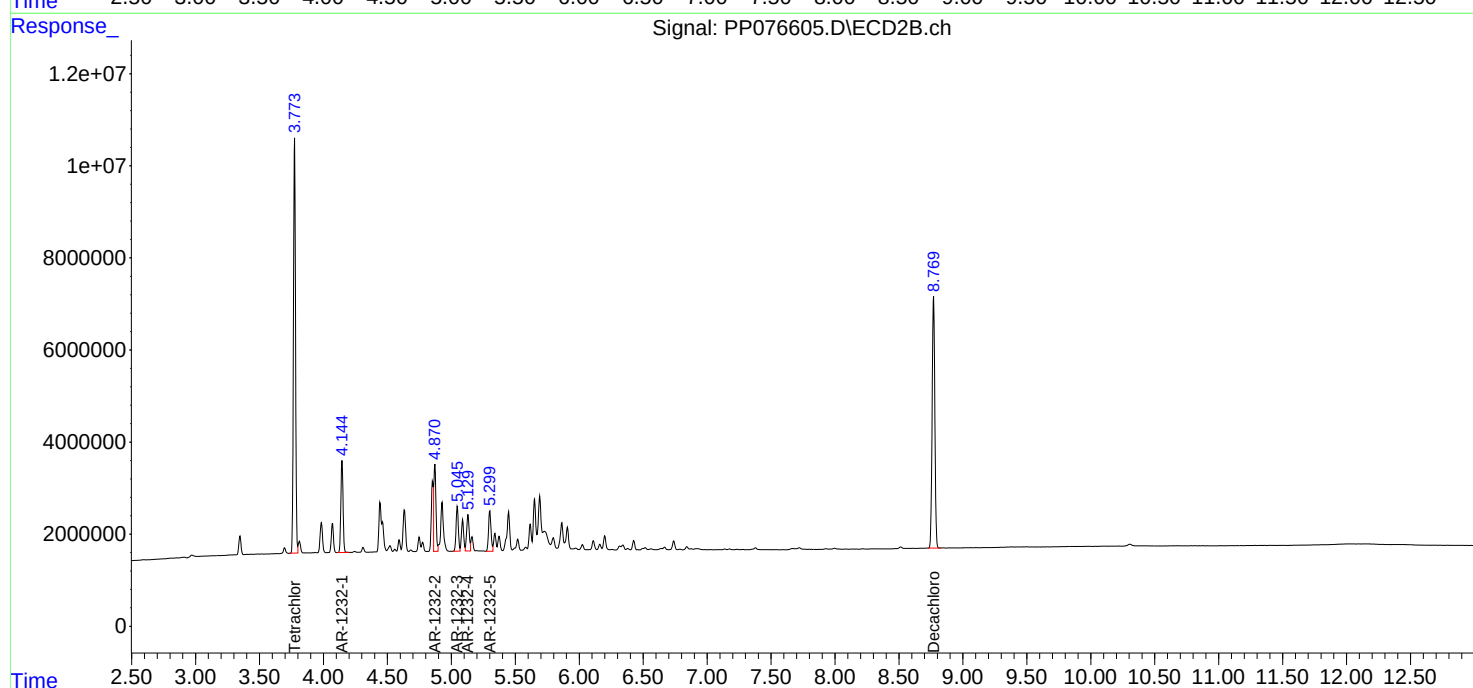
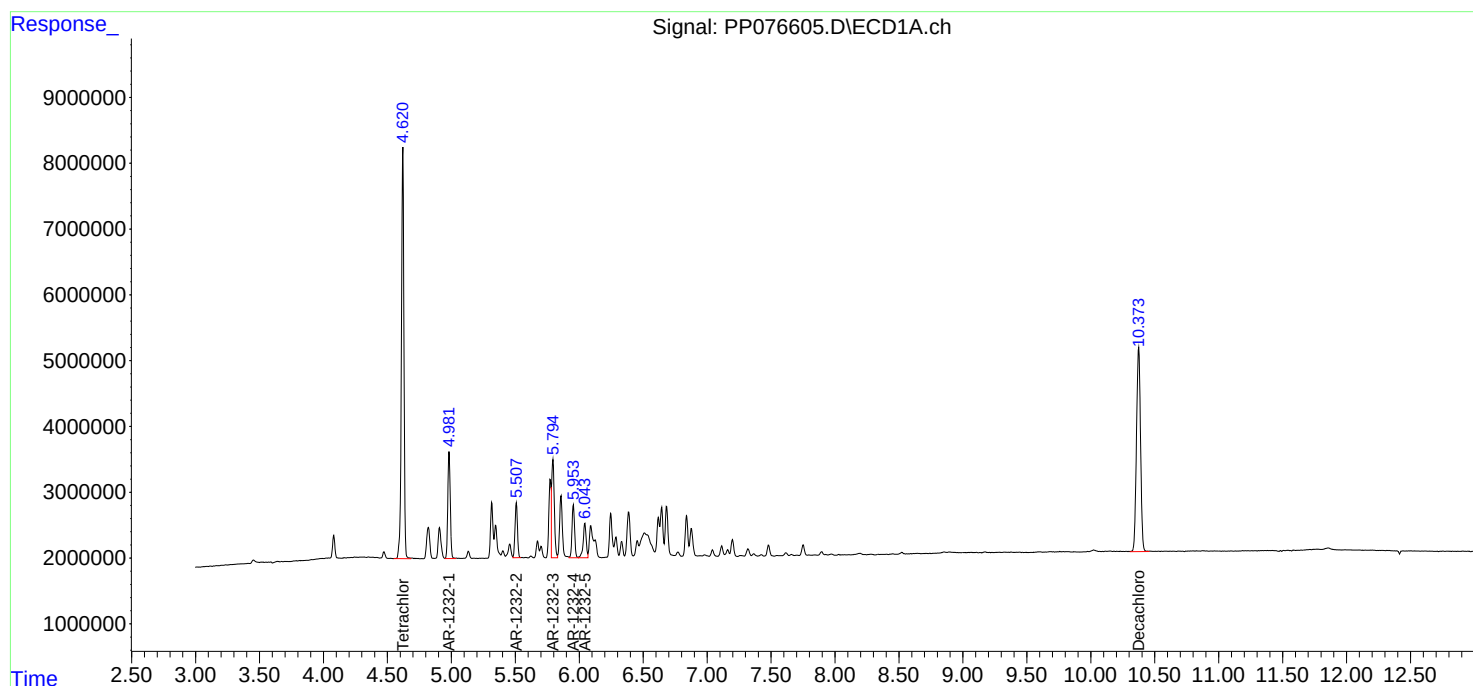
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

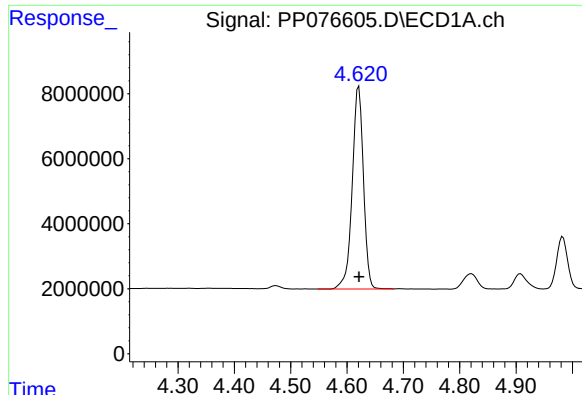
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 12:56
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 13:31:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 13:28:56 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

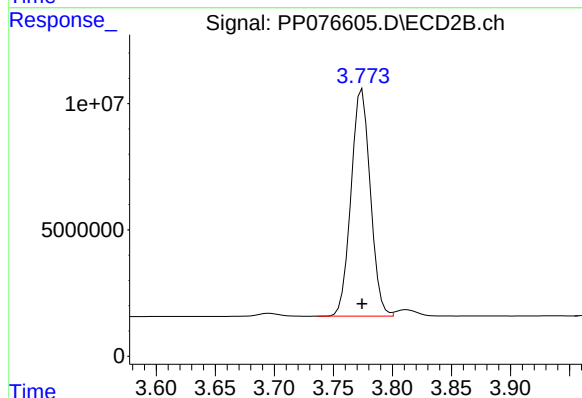




#1 Tetrachloro-m-xylene

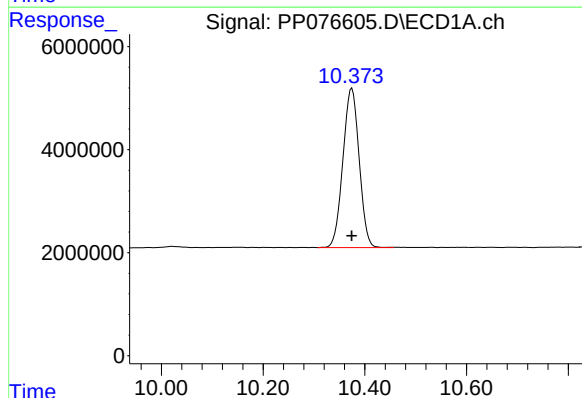
R.T.: 4.621 min
Delta R.T.: 0.000 min
Response: 86417746
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



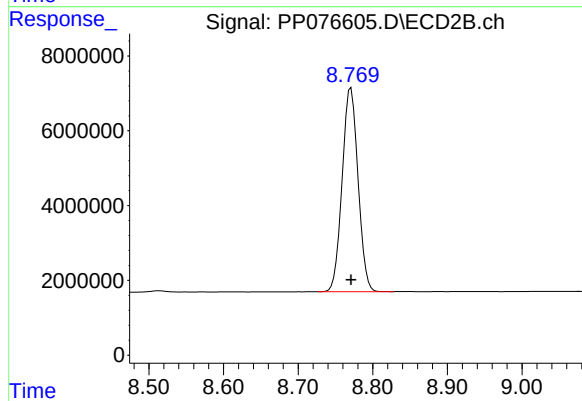
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: 0.000 min
Response: 102029693
Conc: 50.00 ng/ml



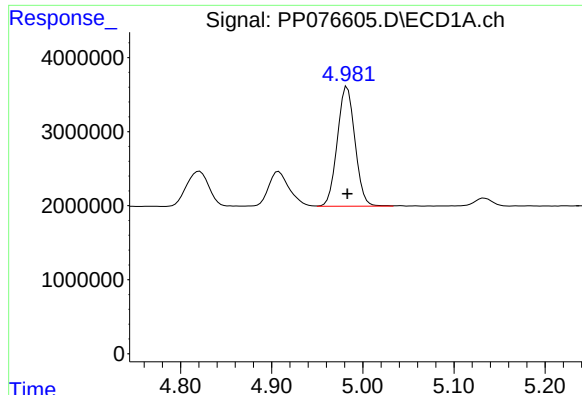
#2 Decachlorobiphenyl

R.T.: 10.375 min
Delta R.T.: 0.000 min
Response: 68491846
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

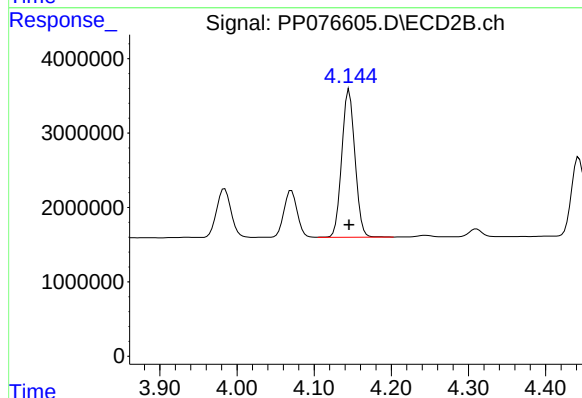
R.T.: 8.771 min
Delta R.T.: 0.000 min
Response: 80582411
Conc: 50.00 ng/ml



#11 AR-1232-1

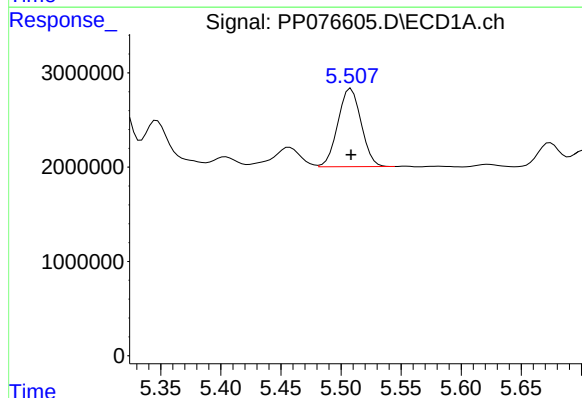
R.T.: 4.983 min
Delta R.T.: 0.000 min
Response: 21736290
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



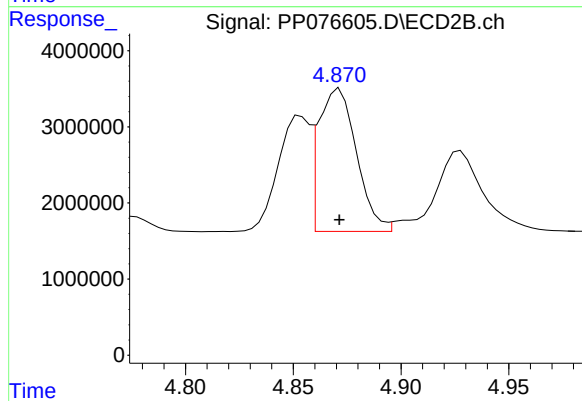
#11 AR-1232-1

R.T.: 4.145 min
Delta R.T.: 0.000 min
Response: 23540456
Conc: 500.00 ng/ml



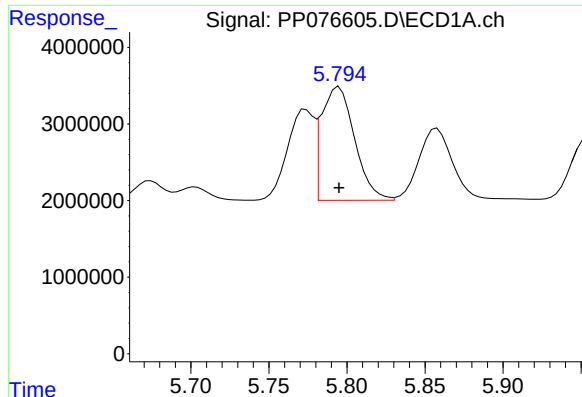
#12 AR-1232-2

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 11182315
Conc: 500.00 ng/ml



#12 AR-1232-2

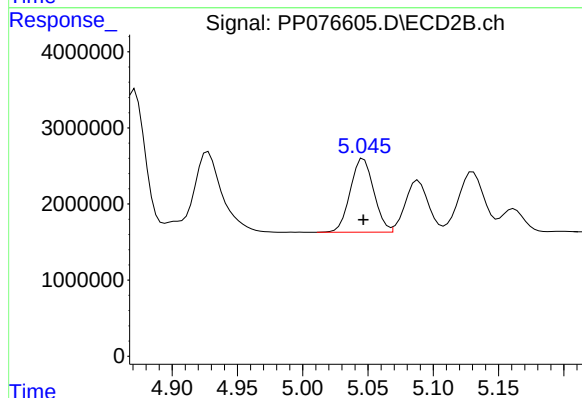
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 23057748
Conc: 500.00 ng/ml



#13 AR-1232-3

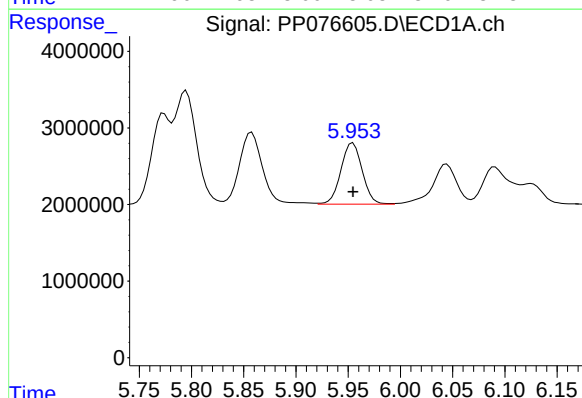
R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 21962317
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



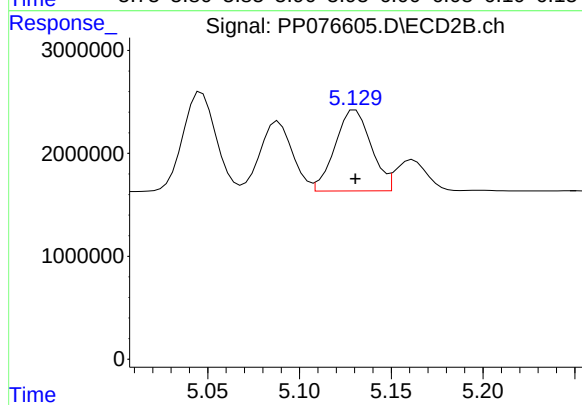
#13 AR-1232-3

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 12120703
Conc: 500.00 ng/ml



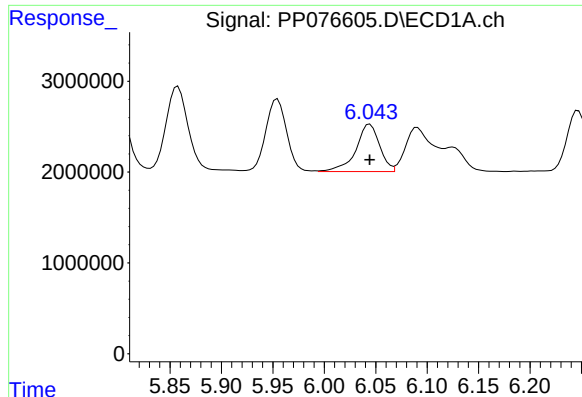
#14 AR-1232-4

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 11354210
Conc: 500.00 ng/ml



#14 AR-1232-4

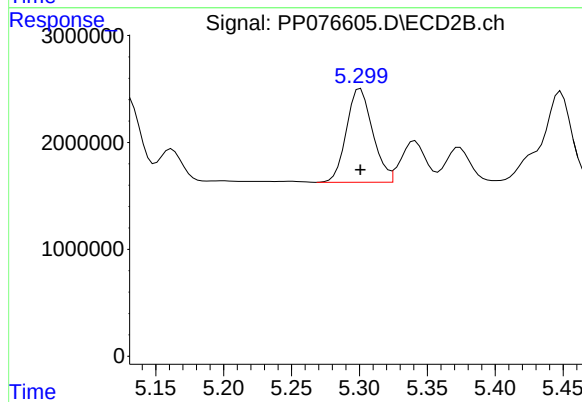
R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 10766264
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 8412528
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.301 min
Delta R.T.: 0.000 min
Response: 11768056
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076606.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 13:15
 Operator : YP\AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 14:09:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 14:05:16 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...	4.620	3.773	157.2E6	198.3E6	96.299	99.505
2)	SA Decachlor...	10.375	8.771	125.1E6	156.2E6	95.027	97.910
Target Compounds							
16)	L4 AR-1242-1	5.773	4.852	46820088	55846456	953.288	979.767
17)	L4 AR-1242-2	5.794	4.870	69927193	82292663	942.657	975.914
18)	L4 AR-1242-3	5.857	5.045	44603953	42952122	943.430	975.342
19)	L4 AR-1242-4	5.954	5.130	36970364	41020216	944.933	964.969
20)	L4 AR-1242-5	6.684	5.649	40380815	54892740	940.313	985.105

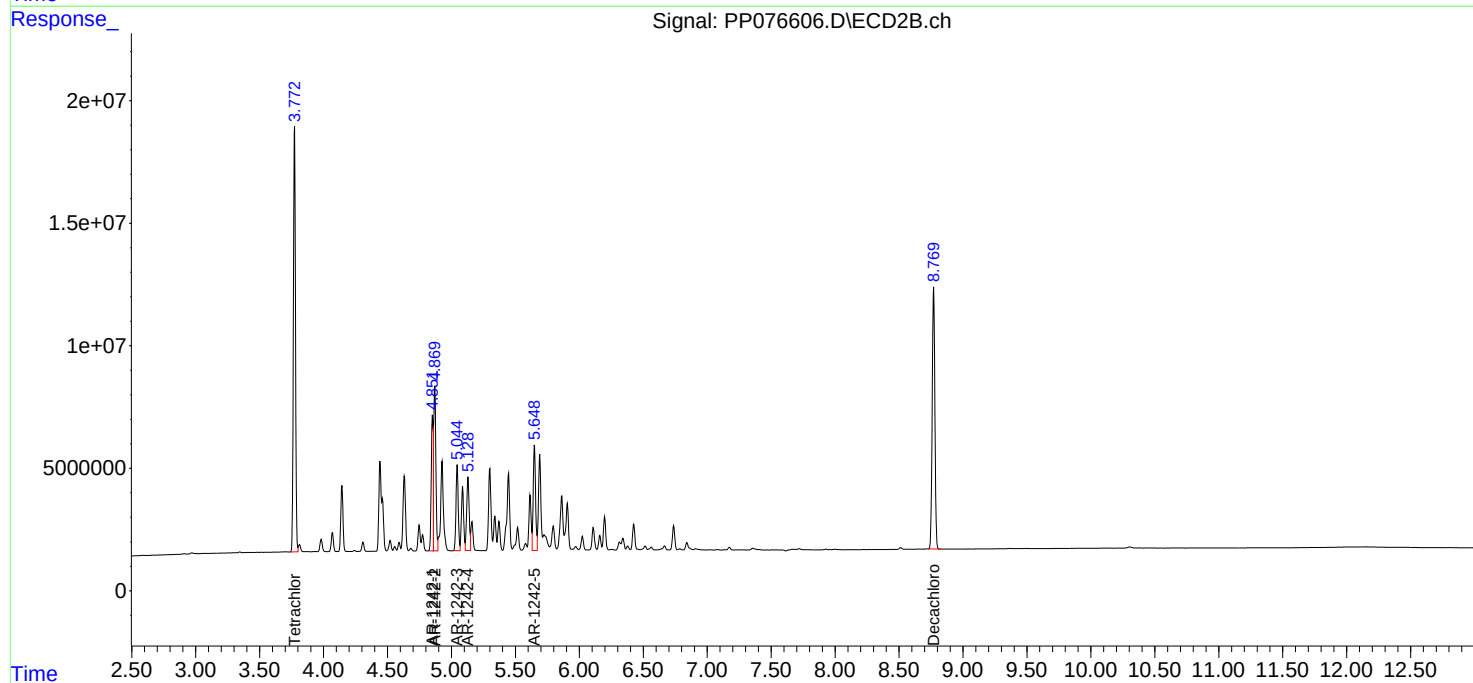
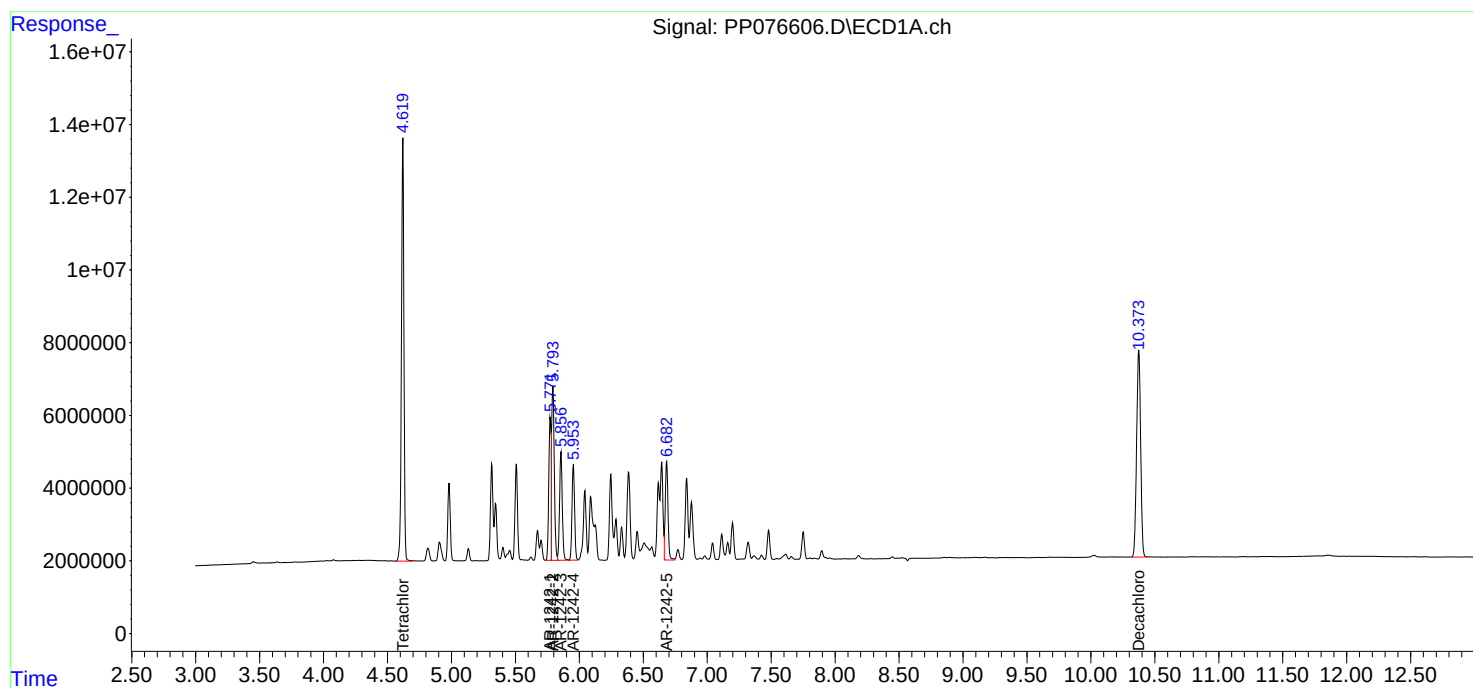
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

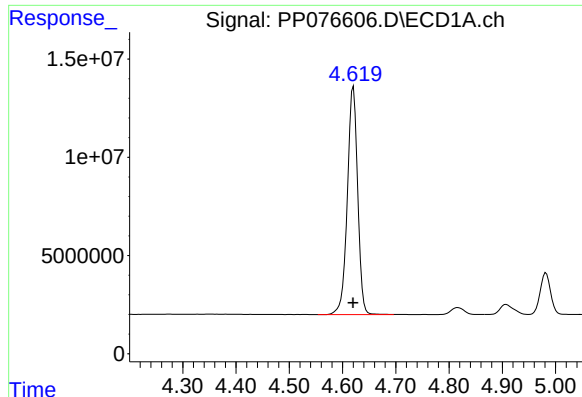
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 14:09:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 14:05:16 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

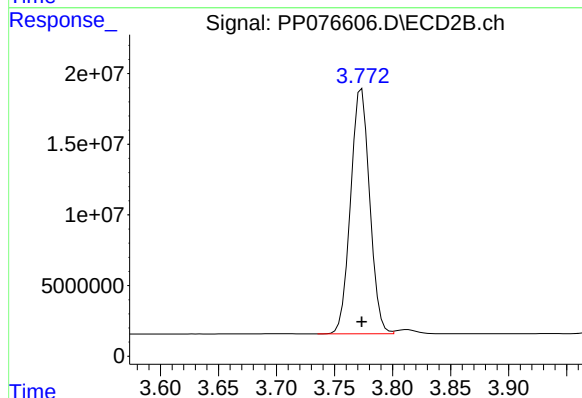




#1 Tetrachloro-m-xylene

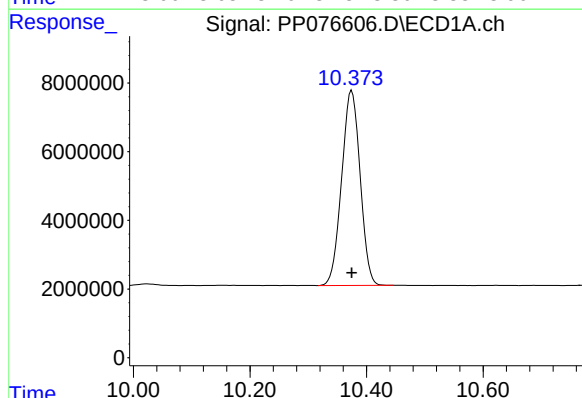
R.T.: 4.620 min
Delta R.T.: 0.000 min
Response: 157180628
Conc: 96.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



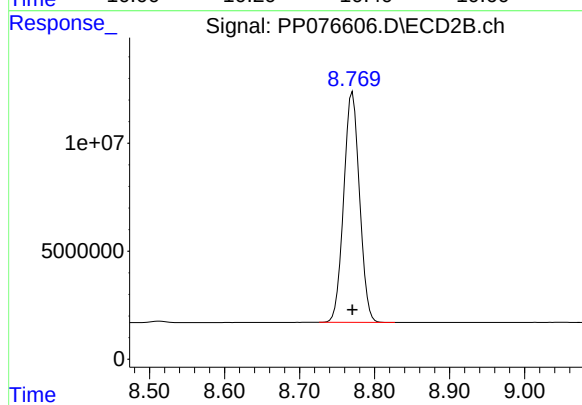
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 198256550
Conc: 99.51 ng/ml



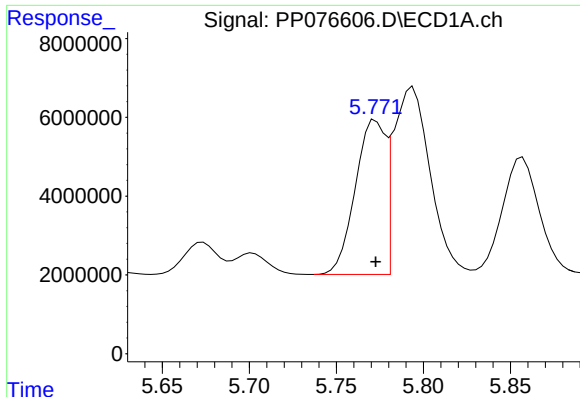
#2 Decachlorobiphenyl

R.T.: 10.375 min
Delta R.T.: 0.000 min
Response: 125095522
Conc: 95.03 ng/ml



#2 Decachlorobiphenyl

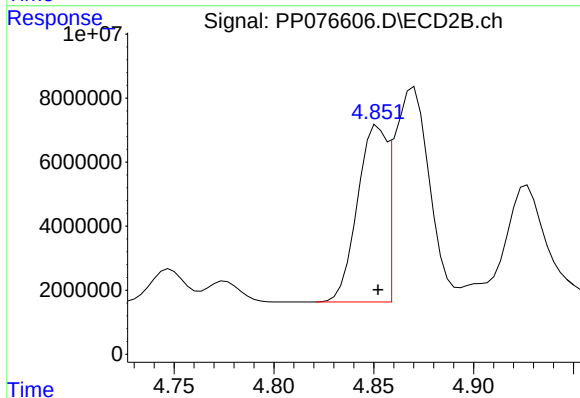
R.T.: 8.771 min
Delta R.T.: 0.000 min
Response: 156160102
Conc: 97.91 ng/ml



#16 AR-1242-1

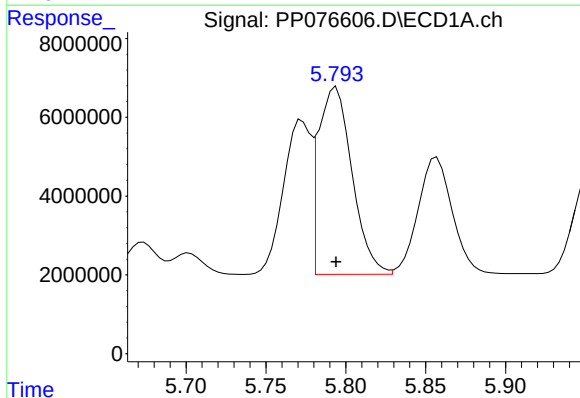
R.T.: 5.773 min
Delta R.T.: 0.000 min
Response: 46820088
Conc: 953.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



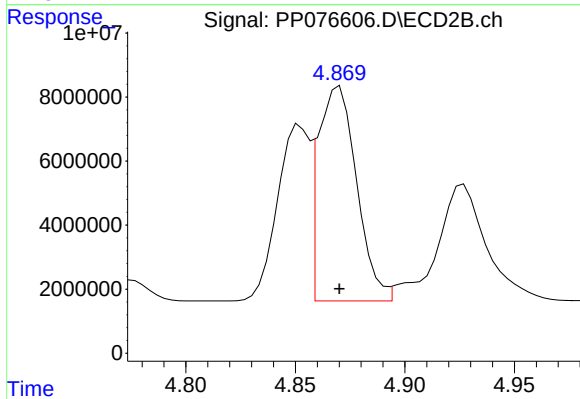
#16 AR-1242-1

R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 55846456
Conc: 979.77 ng/ml



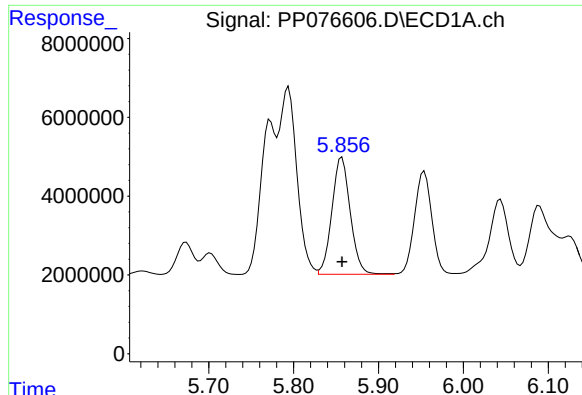
#17 AR-1242-2

R.T.: 5.794 min
Delta R.T.: 0.000 min
Response: 69927193
Conc: 942.66 ng/ml



#17 AR-1242-2

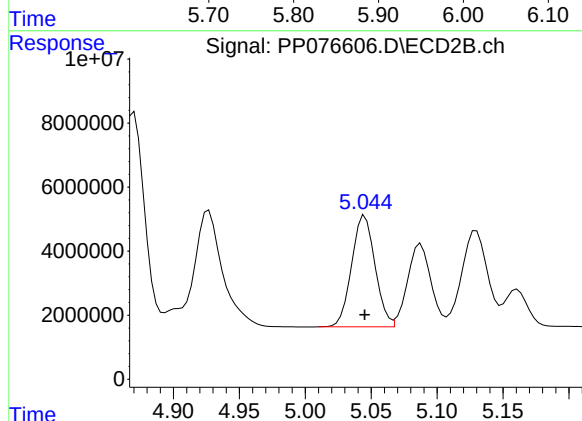
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 82292663
Conc: 975.91 ng/ml



#18 AR-1242-3

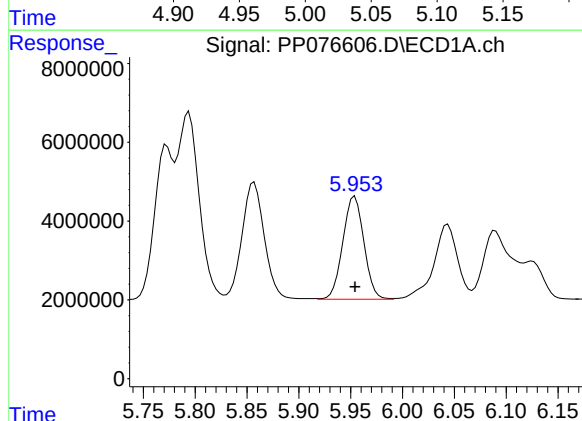
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 44603953
Conc: 943.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



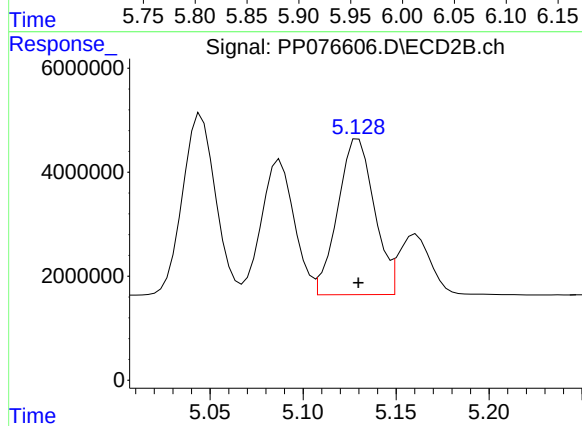
#18 AR-1242-3

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 42952122
Conc: 975.34 ng/ml



#19 AR-1242-4

R.T.: 5.954 min
Delta R.T.: 0.000 min
Response: 36970364
Conc: 944.93 ng/ml



#19 AR-1242-4

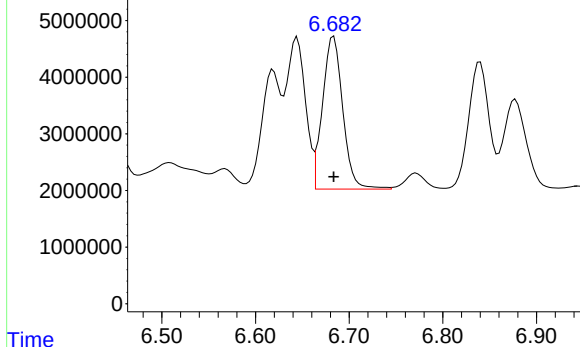
R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 41020216
Conc: 964.97 ng/ml

Response_

Signal: PP076606.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 40380815
Conc: 940.31 ng/ml

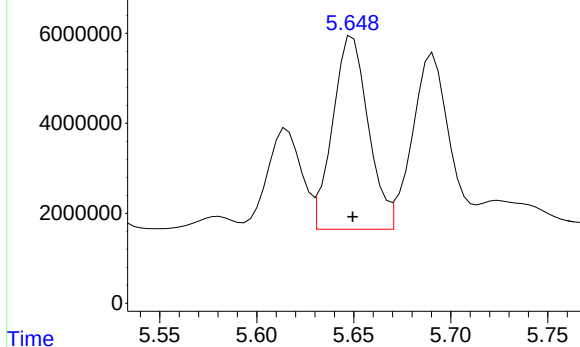
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Time

Response_

Signal: PP076606.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 54892740
Conc: 985.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076607.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 13:32
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 14:13:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 14:05:16 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...	4.616	3.772	124.0E6	151.5E6	75.629	75.699
2) SA Decachlor...	10.369	8.769	99852498	122.0E6	75.566	75.997
Target Compounds						
16) L4 AR-1242-1	5.769	4.851	37121666	43039649	753.871	753.383
17) L4 AR-1242-2	5.790	4.869	55725203	64035892	750.804	756.245
18) L4 AR-1242-3	5.853	5.044	35463193	33176474	750.061	752.237
19) L4 AR-1242-4	5.950	5.128	29255134	31917211	748.490	750.552
20) L4 AR-1242-5	6.679	5.648	32454906	41683157	753.823	748.696

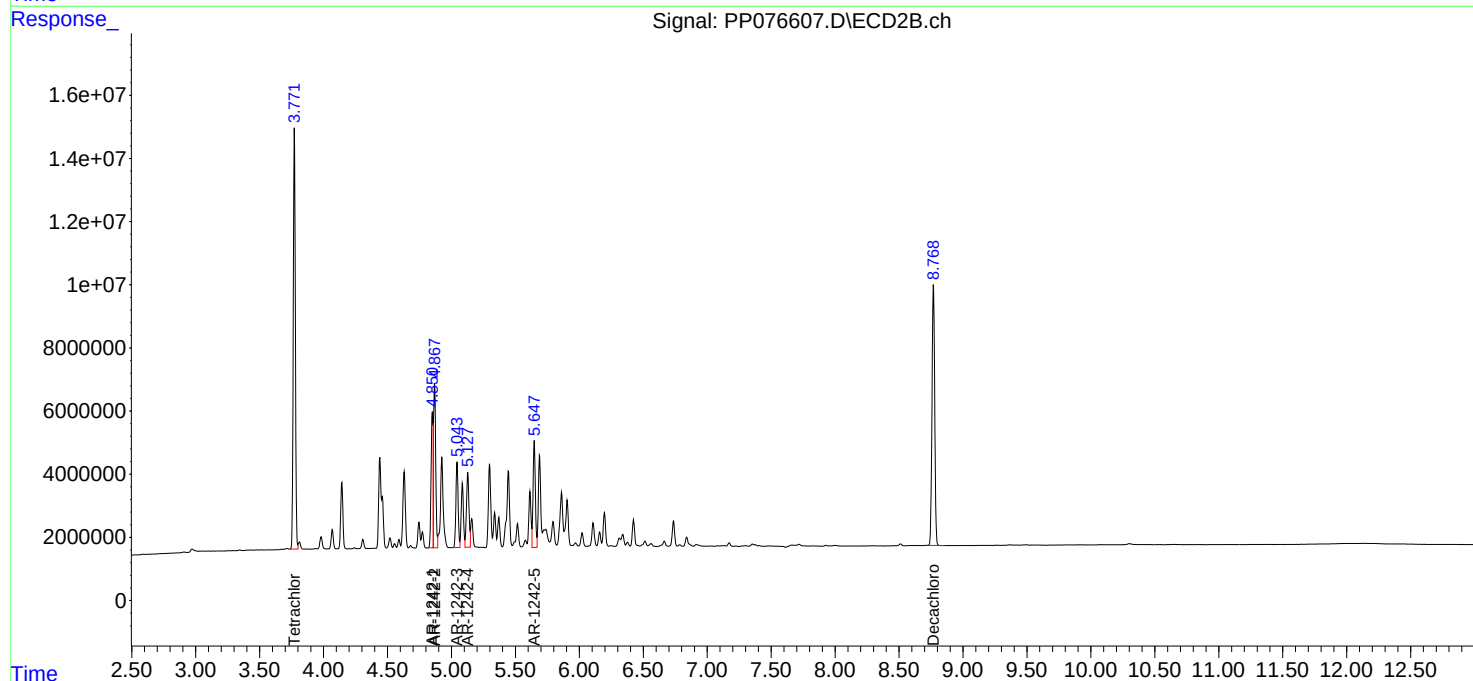
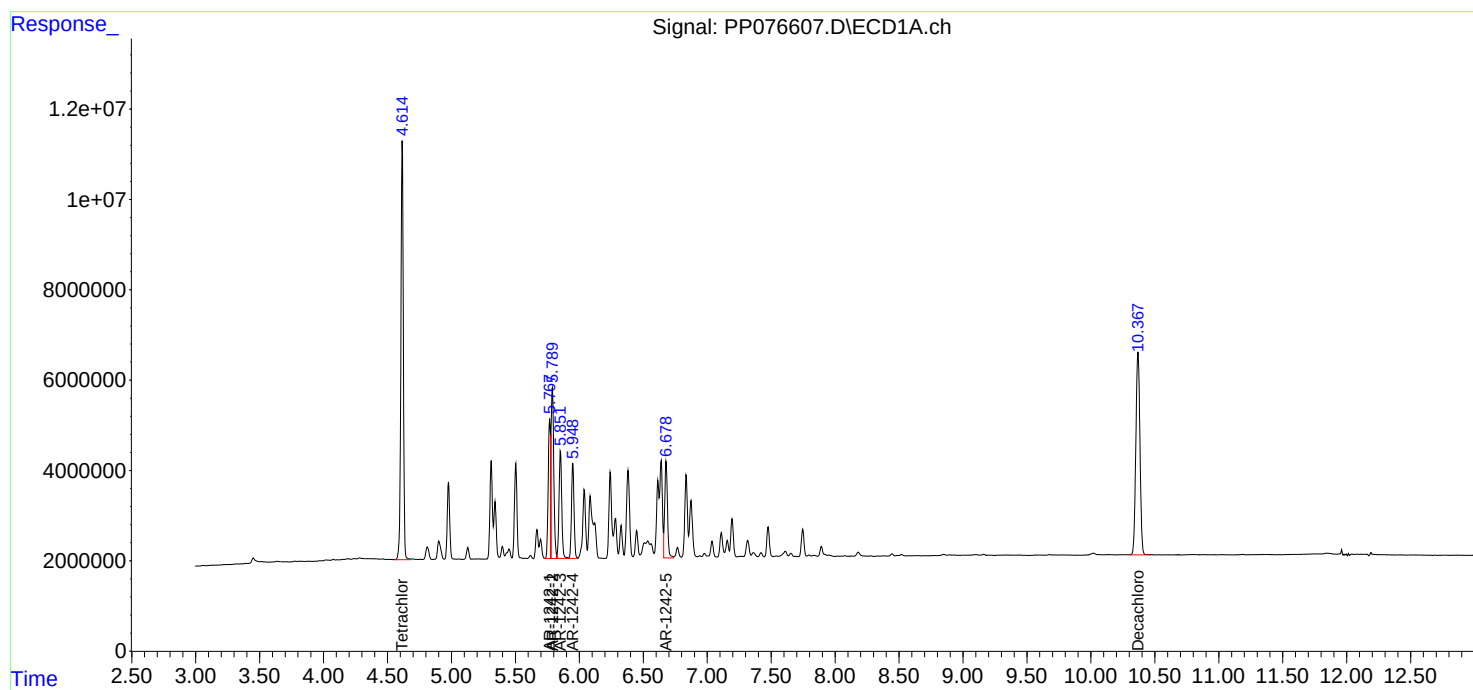
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

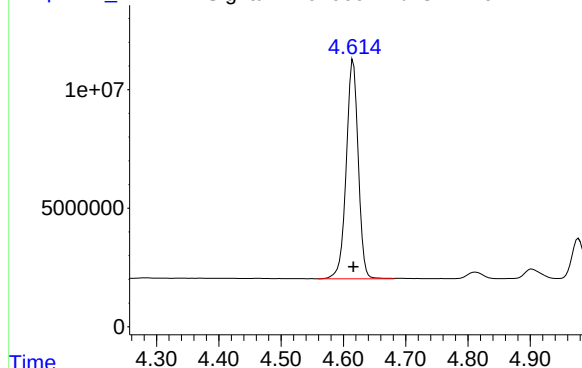
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 14:13:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 14:05:16 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



Signal: PP076607.D\ECD1A.ch

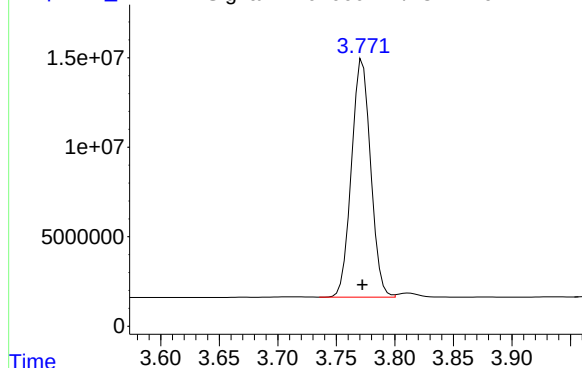


#1 Tetrachloro-m-xylene

R.T.: 4.616 min
Delta R.T.: 0.000 min
Response: 123961373
Conc: 75.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

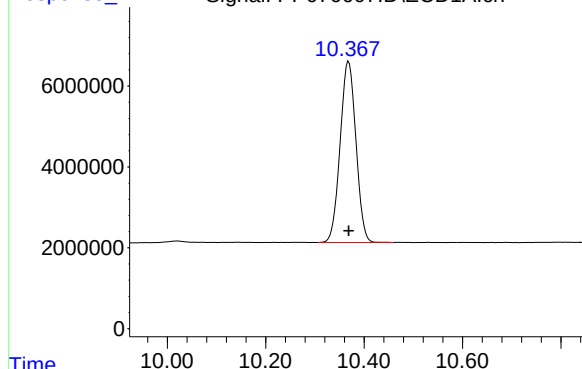
Signal: PP076607.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: 0.000 min
Response: 151529554
Conc: 75.70 ng/ml

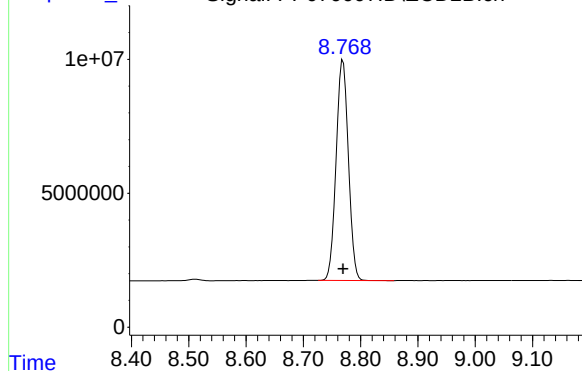
Signal: PP076607.D\ECD1A.ch



#2 Decachlorobiphenyl

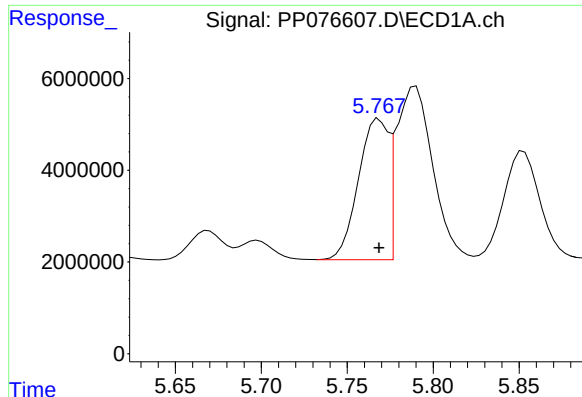
R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 99852498
Conc: 75.57 ng/ml

Signal: PP076607.D\ECD2B.ch



#2 Decachlorobiphenyl

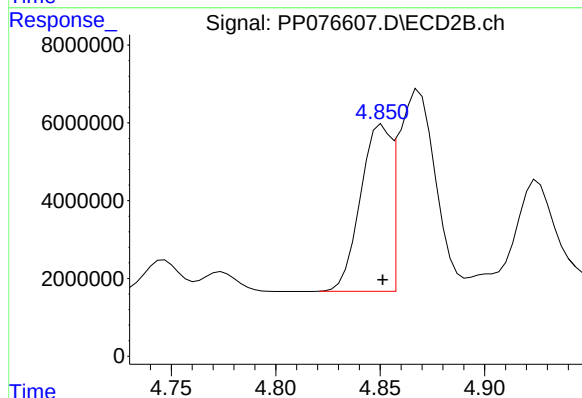
R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 122021404
Conc: 76.00 ng/ml



#16 AR-1242-1

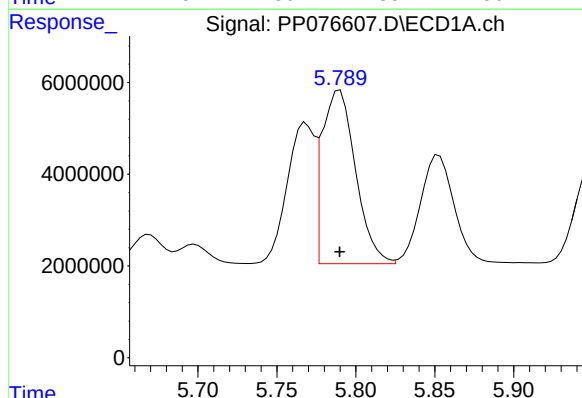
R.T.: 5.769 min
Delta R.T.: 0.000 min
Response: 37121666
Conc: 753.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



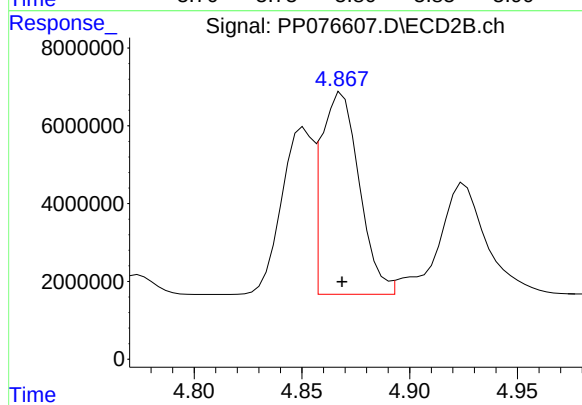
#16 AR-1242-1

R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 43039649
Conc: 753.38 ng/ml



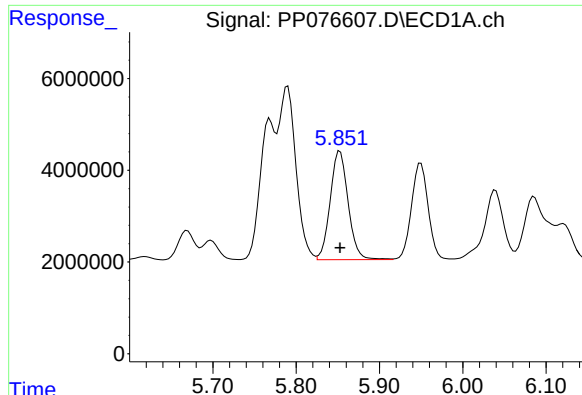
#17 AR-1242-2

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 55725203
Conc: 750.80 ng/ml



#17 AR-1242-2

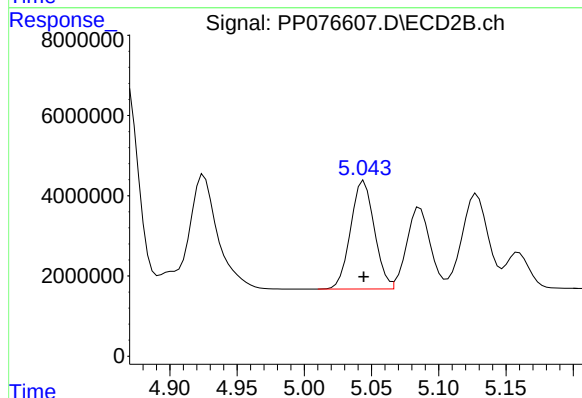
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 64035892
Conc: 756.24 ng/ml



#18 AR-1242-3

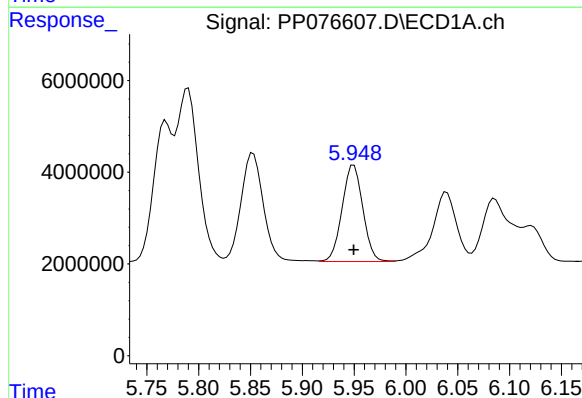
R.T.: 5.853 min
Delta R.T.: 0.000 min
Response: 35463193
Conc: 750.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



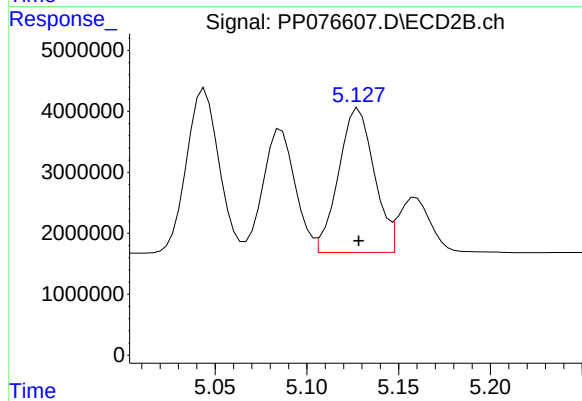
#18 AR-1242-3

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 33176474
Conc: 752.24 ng/ml



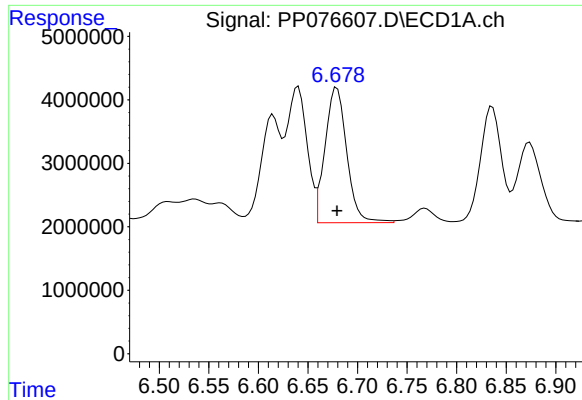
#19 AR-1242-4

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 29255134
Conc: 748.49 ng/ml



#19 AR-1242-4

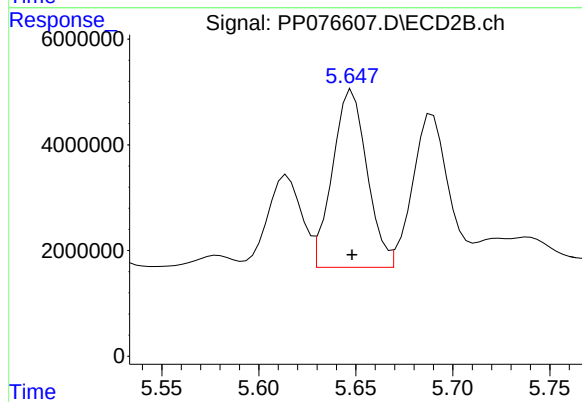
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 31917211
Conc: 750.55 ng/ml



#20 AR-1242-5

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 32454906
Conc: 753.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 41683157
Conc: 748.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 13:48
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 14:06:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 14:05:16 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...	4.617	3.773	84630698	100.1E6	50.000	50.000
2) SA Decachlor...	10.368	8.768	69093867	81412729	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.769	4.852	25704259	29076477	500.000	500.000
17) L4 AR-1242-2	5.790	4.869	39217375	43177325	500.000	500.000
18) L4 AR-1242-3	5.853	5.045	24976500	22561954	500.000	500.000
19) L4 AR-1242-4	5.950	5.128	20639687	21999243	500.000	500.000
20) L4 AR-1242-5	6.680	5.649	22753628	28276374	500.000	500.000

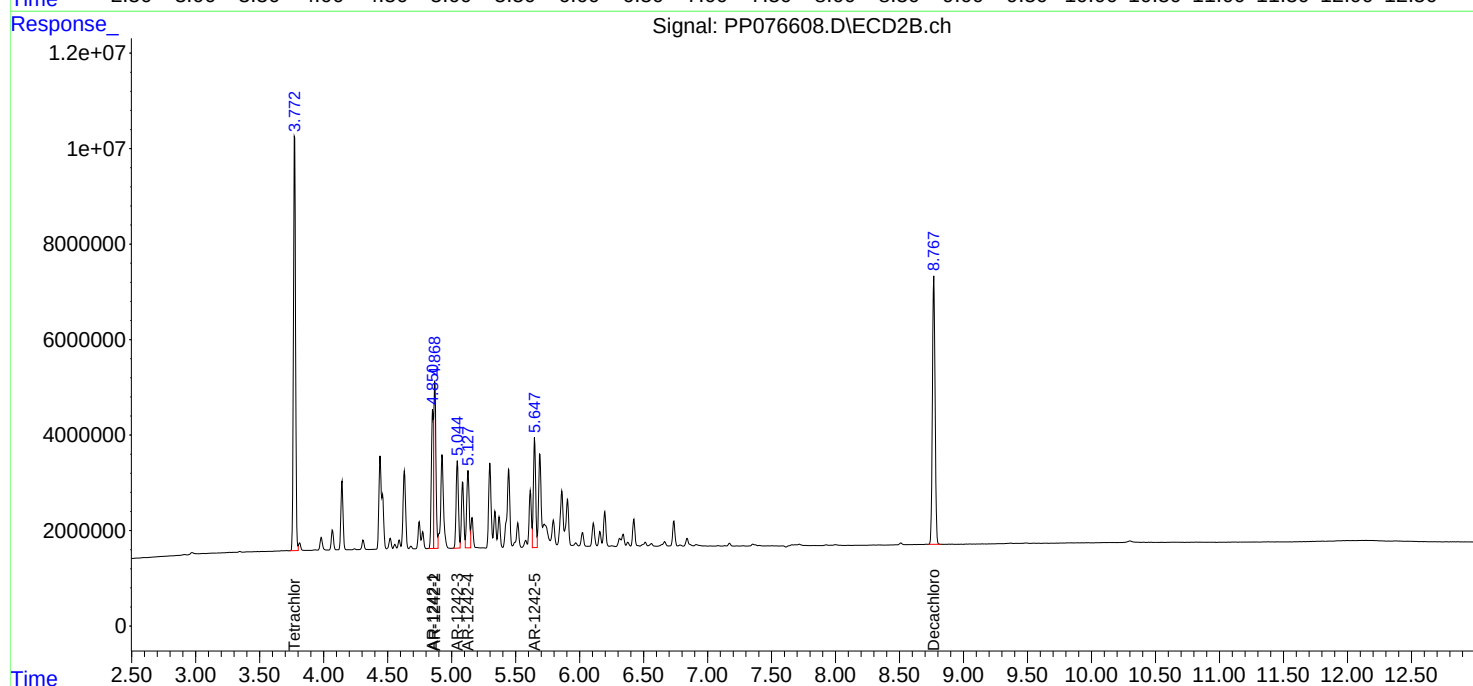
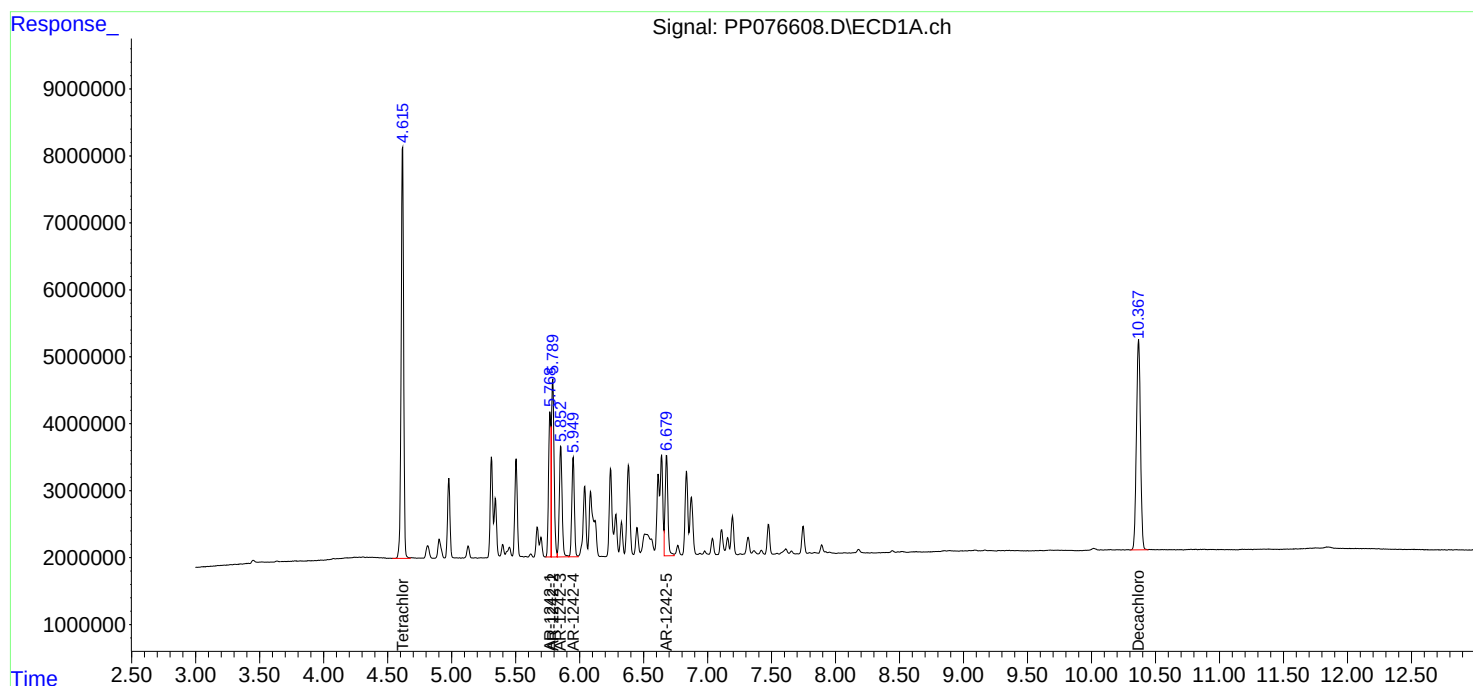
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

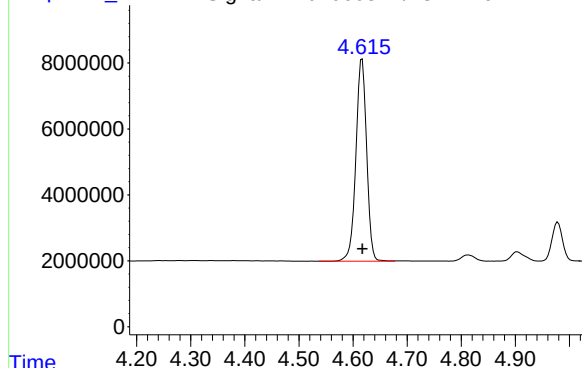
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 14:06:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 14:05:16 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



Response_ Signal: PP076608.D\ECD1A.ch

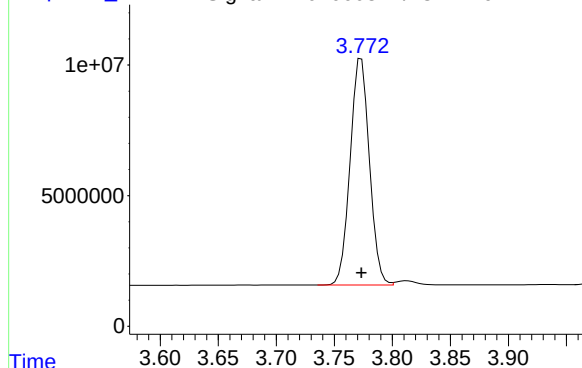


#1 Tetrachloro-m-xylene

R.T.: 4.617 min
Delta R.T.: 0.000 min
Response: 84630698
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

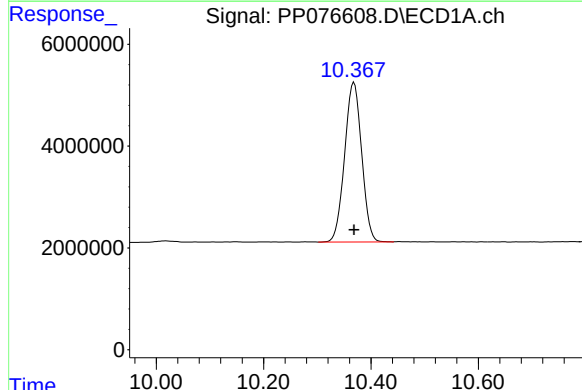
Response_ Signal: PP076608.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 100113819
Conc: 50.00 ng/ml

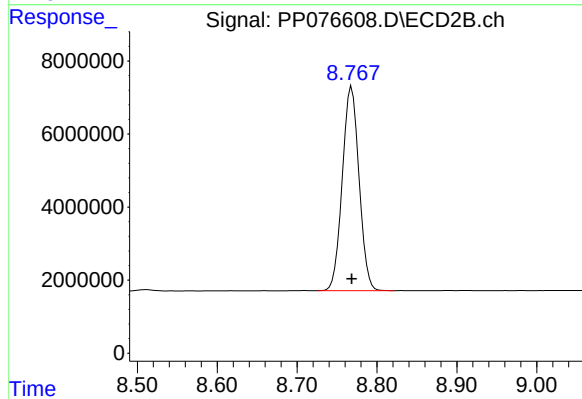
Response_ Signal: PP076608.D\ECD1A.ch



#2 Decachlorobiphenyl

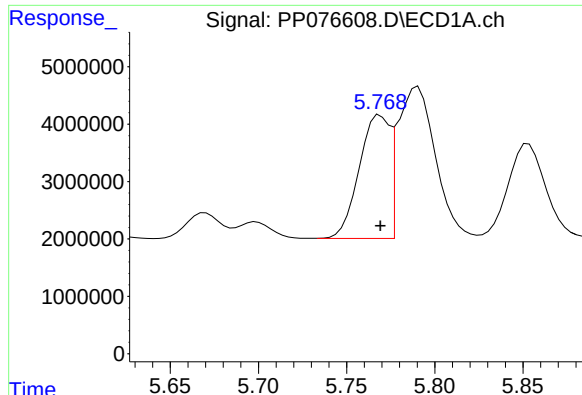
R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 69093867
Conc: 50.00 ng/ml

Response_ Signal: PP076608.D\ECD2B.ch



#2 Decachlorobiphenyl

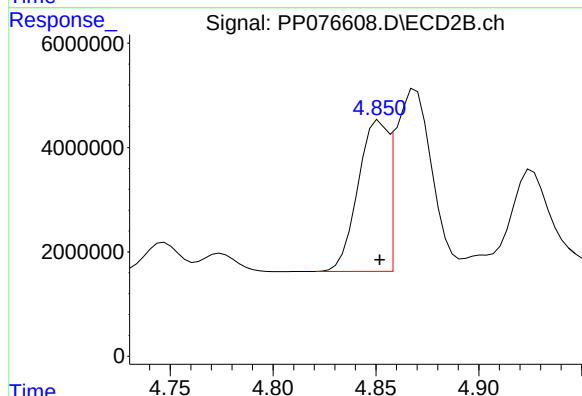
R.T.: 8.768 min
Delta R.T.: 0.000 min
Response: 81412729
Conc: 50.00 ng/ml



#16 AR-1242-1

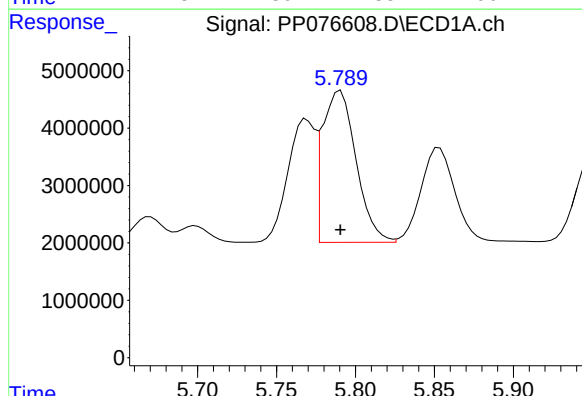
R.T.: 5.769 min
Delta R.T.: 0.000 min
Response: 25704259
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



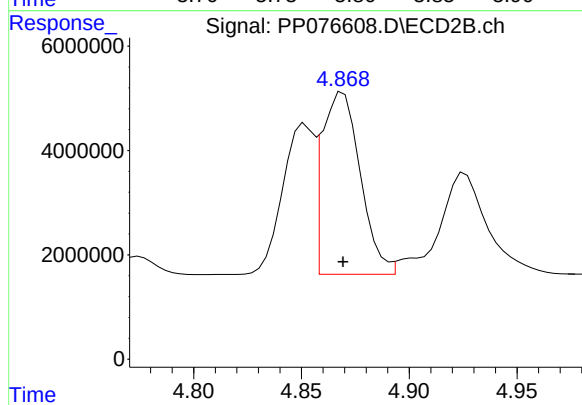
#16 AR-1242-1

R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 29076477
Conc: 500.00 ng/ml



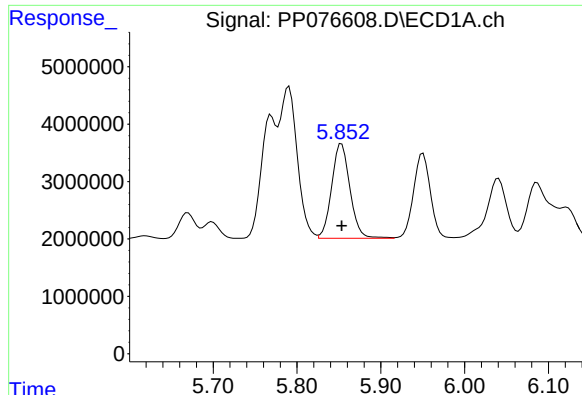
#17 AR-1242-2

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 39217375
Conc: 500.00 ng/ml



#17 AR-1242-2

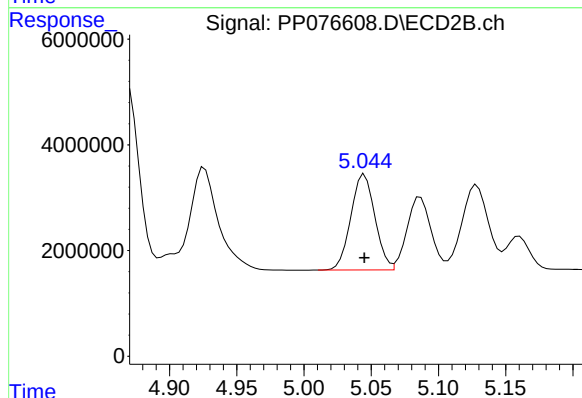
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 43177325
Conc: 500.00 ng/ml



#18 AR-1242-3

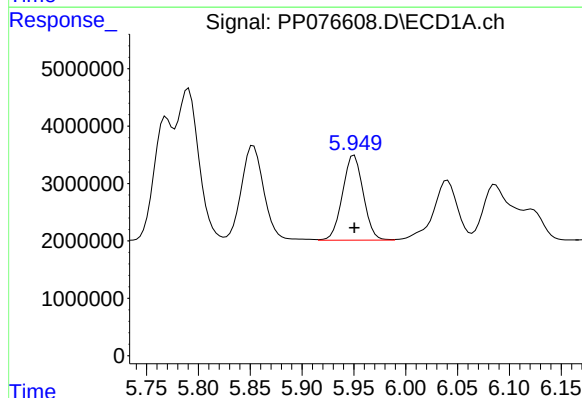
R.T.: 5.853 min
Delta R.T.: 0.000 min
Response: 24976500
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



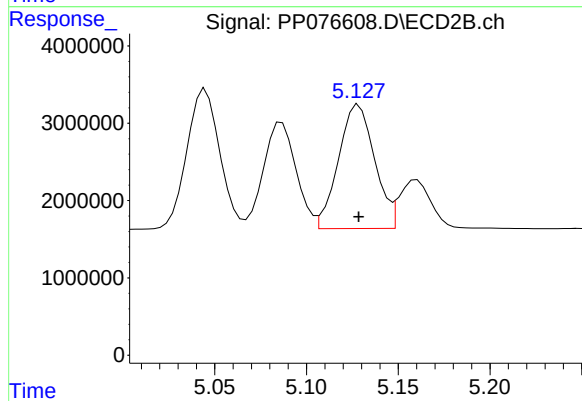
#18 AR-1242-3

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 22561954
Conc: 500.00 ng/ml



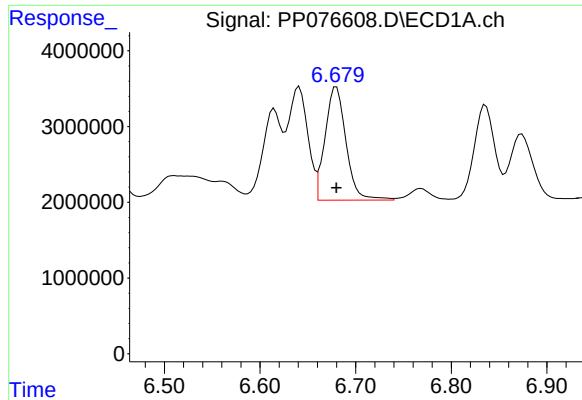
#19 AR-1242-4

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 20639687
Conc: 500.00 ng/ml



#19 AR-1242-4

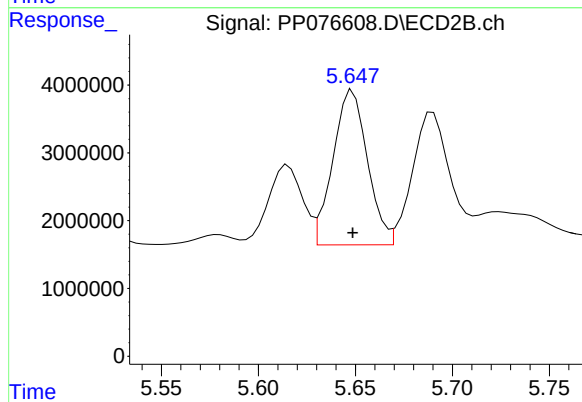
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 21999243
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 22753628
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 28276374
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076609.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 14:05
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 14:21:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 14:21:16 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...	4.616	3.773	40988555	44671472	25.005	22.932
2) SA Decachlor...	10.368	8.768	34481353	38497113	25.812	24.225
Target Compounds						
16) L4 AR-1242-1	5.769	4.852	12950505	13326699	259.625	237.243
17) L4 AR-1242-2	5.790	4.869	19119679	20035853	255.661	239.827
18) L4 AR-1242-3	5.852	5.044	12396471	10513023	259.033	241.175
19) L4 AR-1242-4	5.949	5.128	10324539	10473116	260.466	247.201
20) L4 AR-1242-5	6.679	5.648	11793135	13605947	267.518	245.765

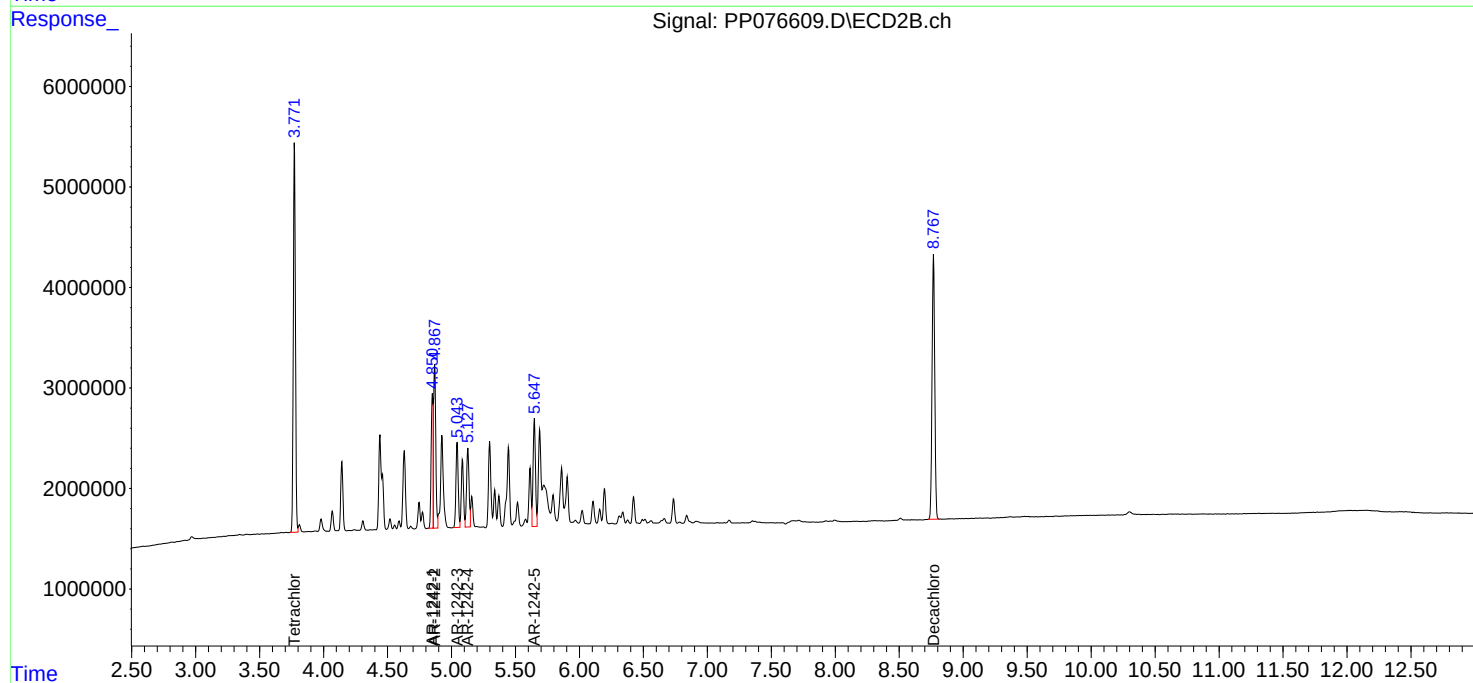
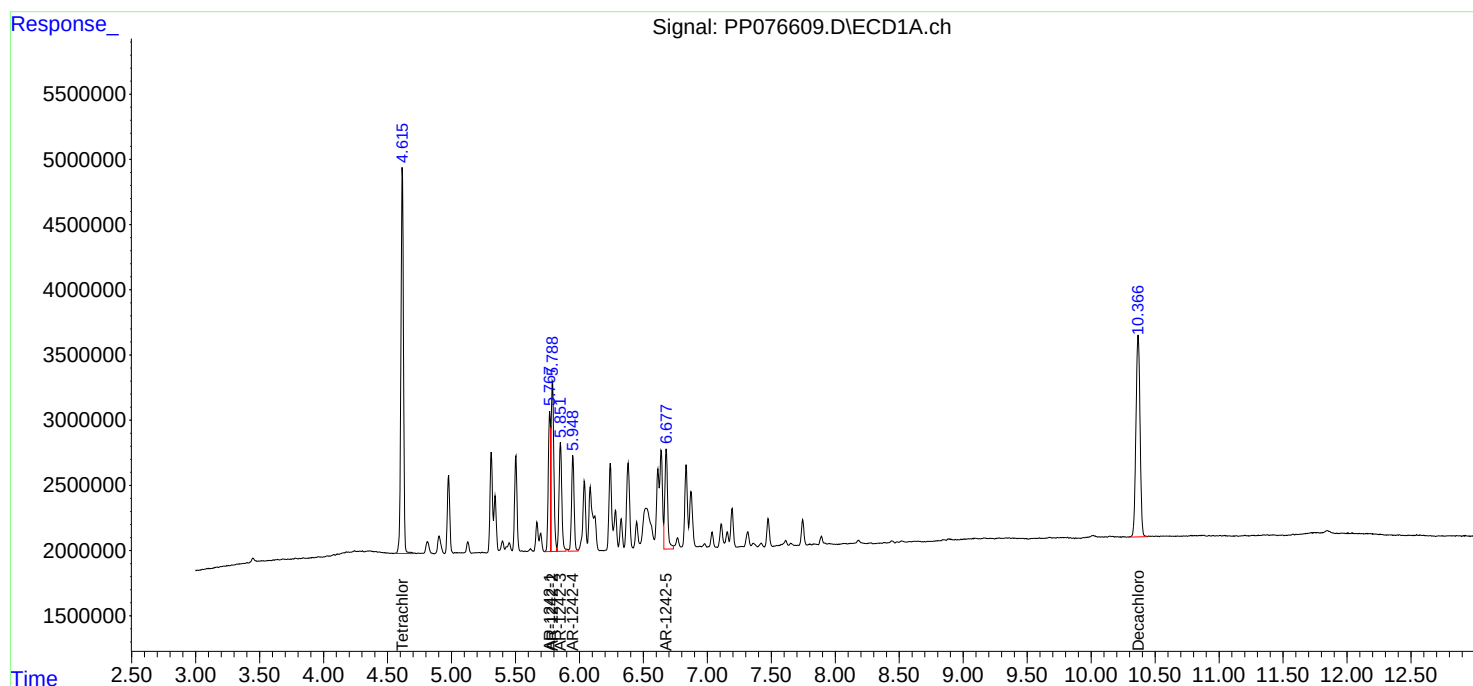
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

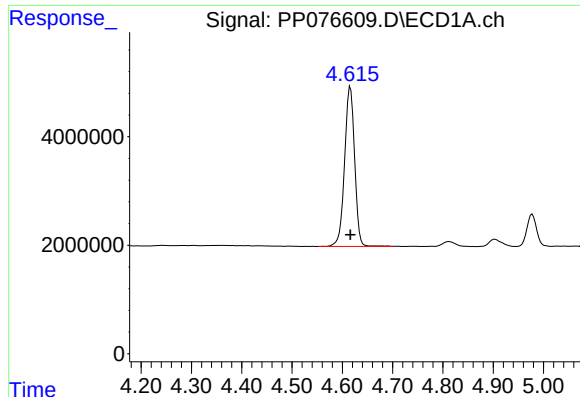
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 14:05
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 14:21:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 14:21:16 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

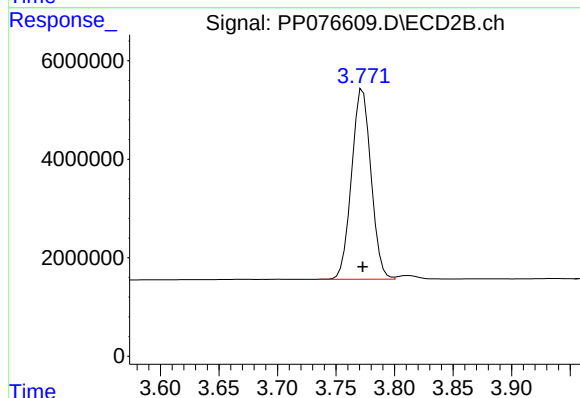




#1 Tetrachloro-m-xylene

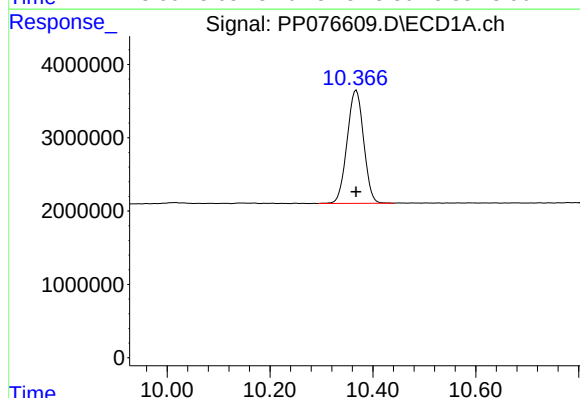
R.T.: 4.616 min
Delta R.T.: 0.000 min
Response: 40988555
Conc: 25.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



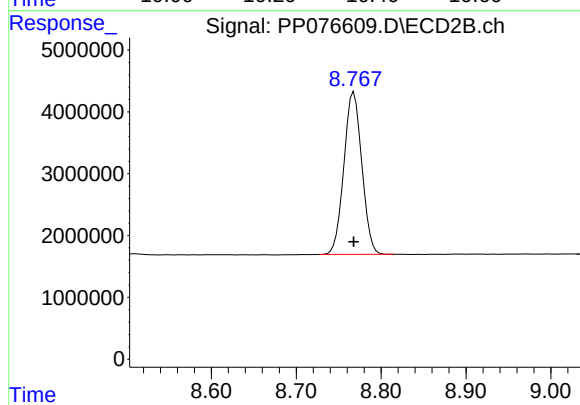
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 44671472
Conc: 22.93 ng/ml



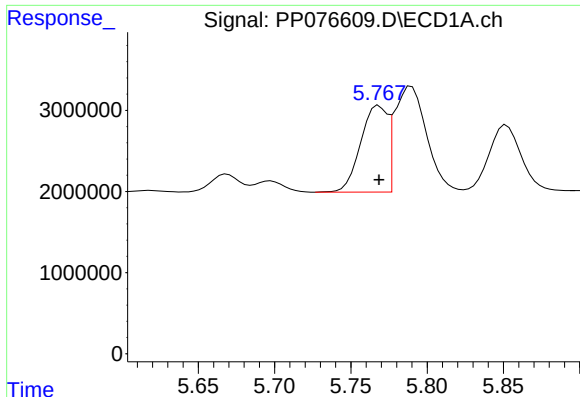
#2 Decachlorobiphenyl

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 34481353
Conc: 25.81 ng/ml



#2 Decachlorobiphenyl

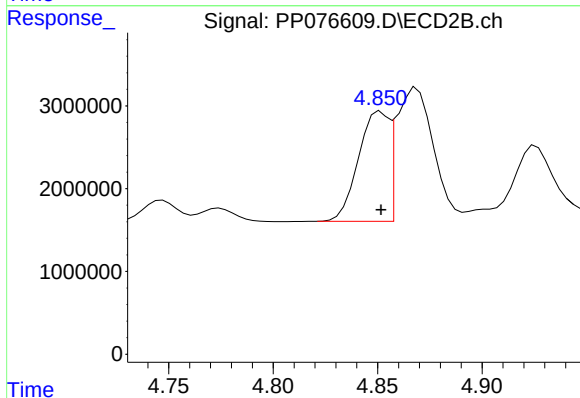
R.T.: 8.768 min
Delta R.T.: 0.000 min
Response: 38497113
Conc: 24.22 ng/ml



#16 AR-1242-1

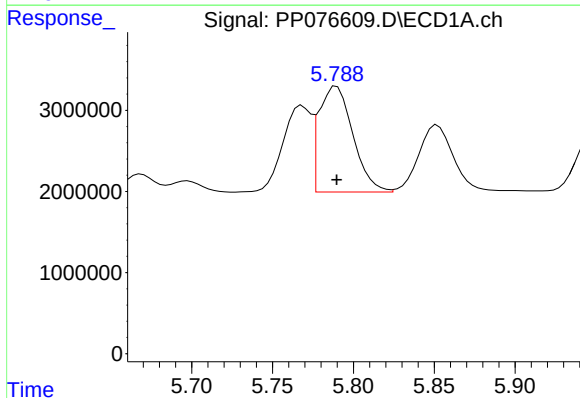
R.T.: 5.769 min
Delta R.T.: 0.000 min
Response: 12950505
Conc: 259.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



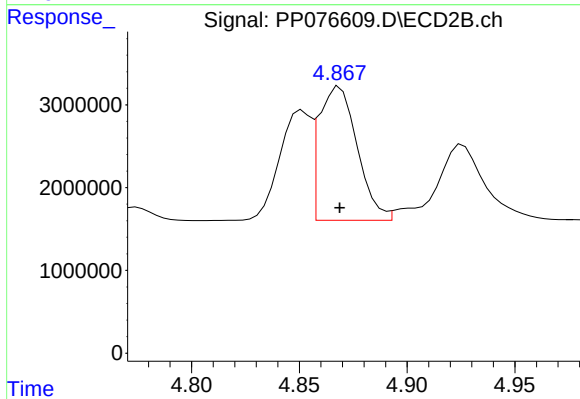
#16 AR-1242-1

R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 13326699
Conc: 237.24 ng/ml



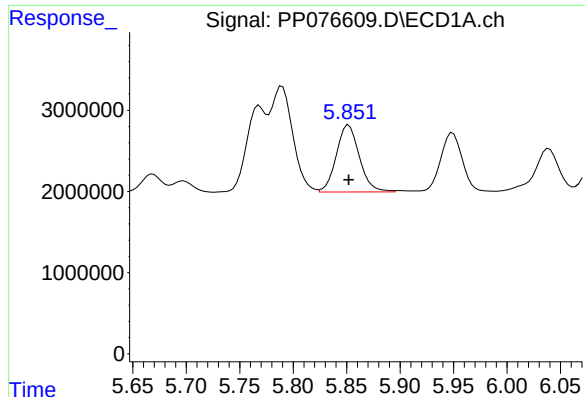
#17 AR-1242-2

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 19119679
Conc: 255.66 ng/ml



#17 AR-1242-2

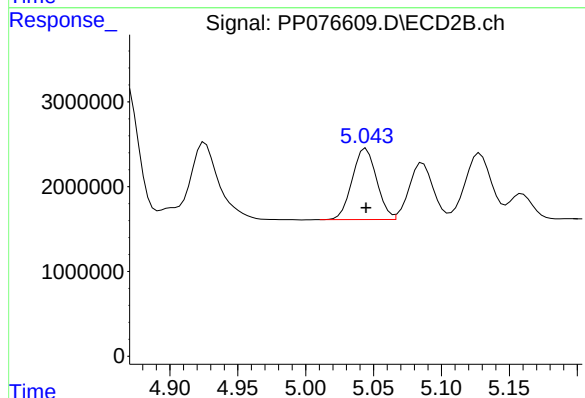
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 20035853
Conc: 239.83 ng/ml



#18 AR-1242-3

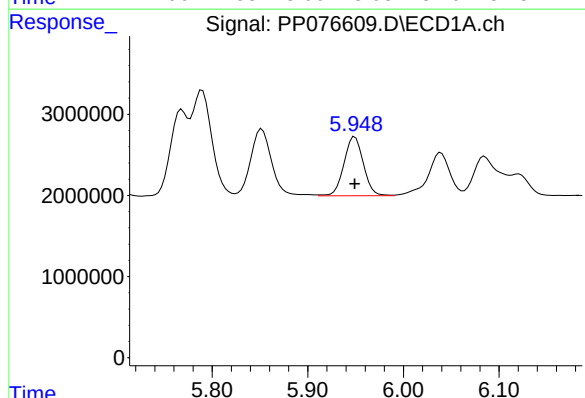
R.T.: 5.852 min
Delta R.T.: 0.000 min
Response: 12396471
Conc: 259.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



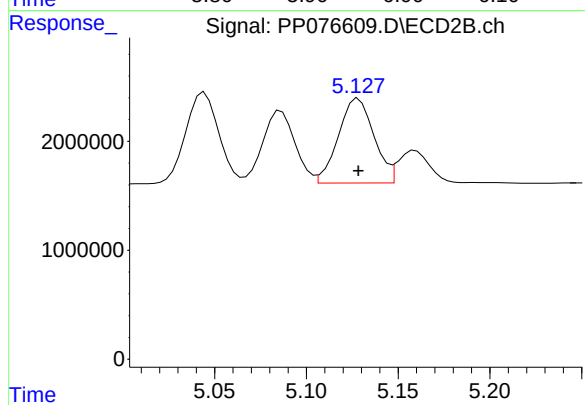
#18 AR-1242-3

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 10513023
Conc: 241.17 ng/ml



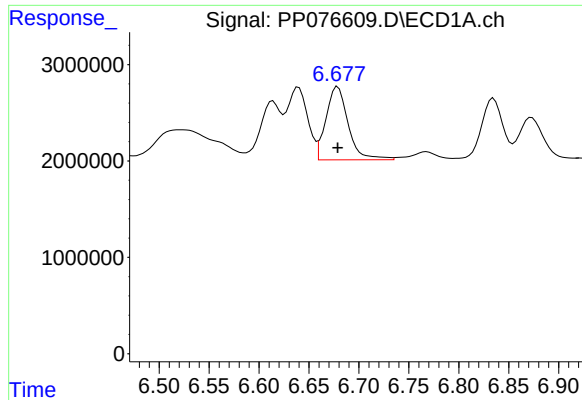
#19 AR-1242-4

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 10324539
Conc: 260.47 ng/ml



#19 AR-1242-4

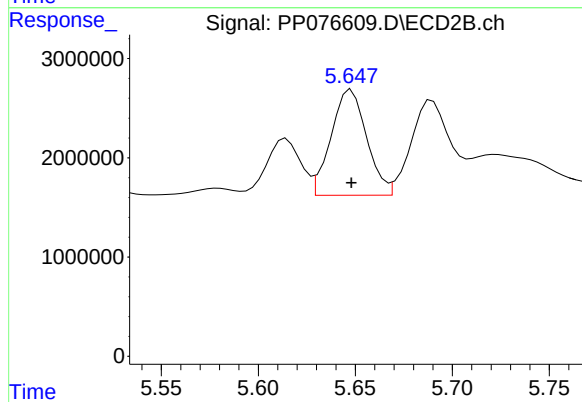
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 10473116
Conc: 247.20 ng/ml



#20 AR-1242-5

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 11793135
Conc: 267.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 13605947
Conc: 245.76 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076610.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 14:21
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 14:38:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 14:38:21 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...	4.616	3.773	9523465	9540367	5.628	4.918
2) SA Decachlor...	10.366	8.768	8002117	8577826	5.762	5.313
Target Compounds						
16) L4 AR-1242-1	5.768	4.852	3006838	3138814	57.899	54.594
17) L4 AR-1242-2	5.790	4.869	4467111	4362121	57.494	51.756
18) L4 AR-1242-3	5.852	5.045	3007646	2291968	59.775	52.042
19) L4 AR-1242-4	5.949	5.128	2467516	2339068	59.342	54.083
20) L4 AR-1242-5	6.678	5.648	2740092	3508261	59.452m	60.153

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 14:21
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

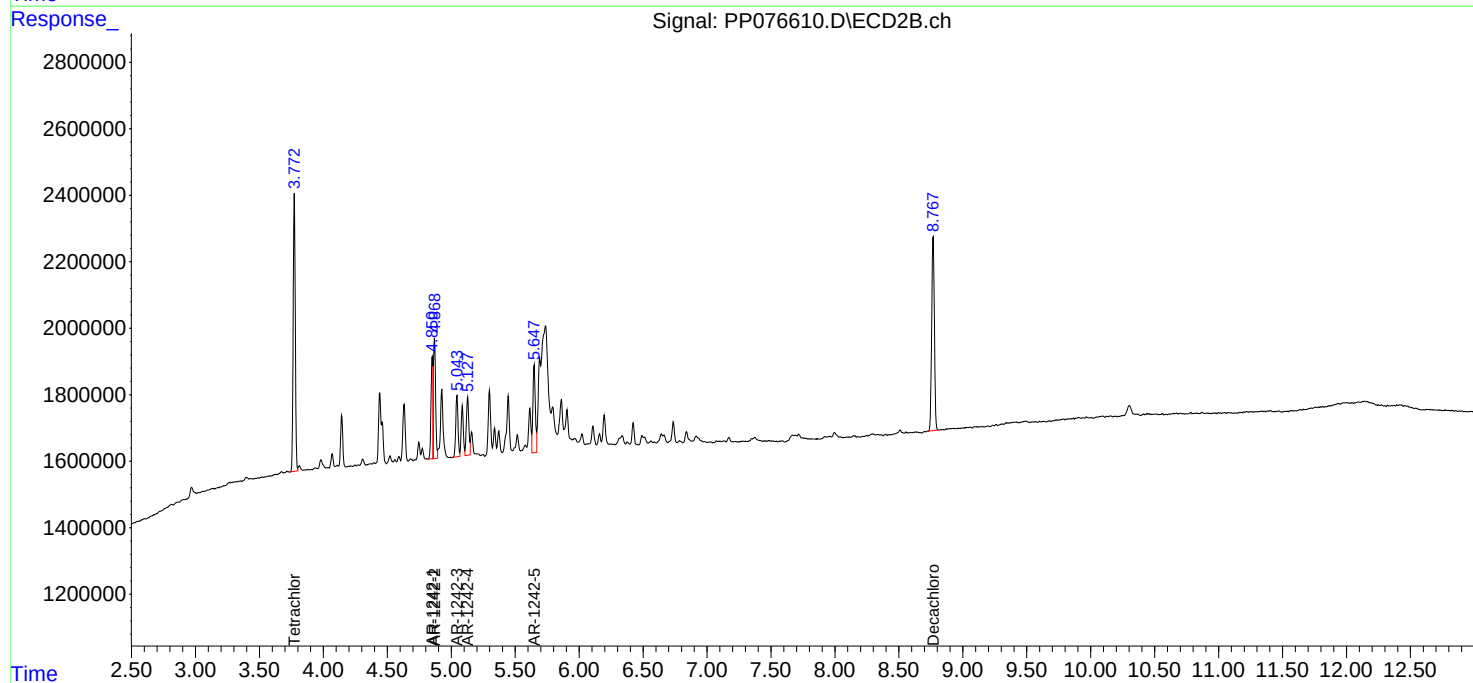
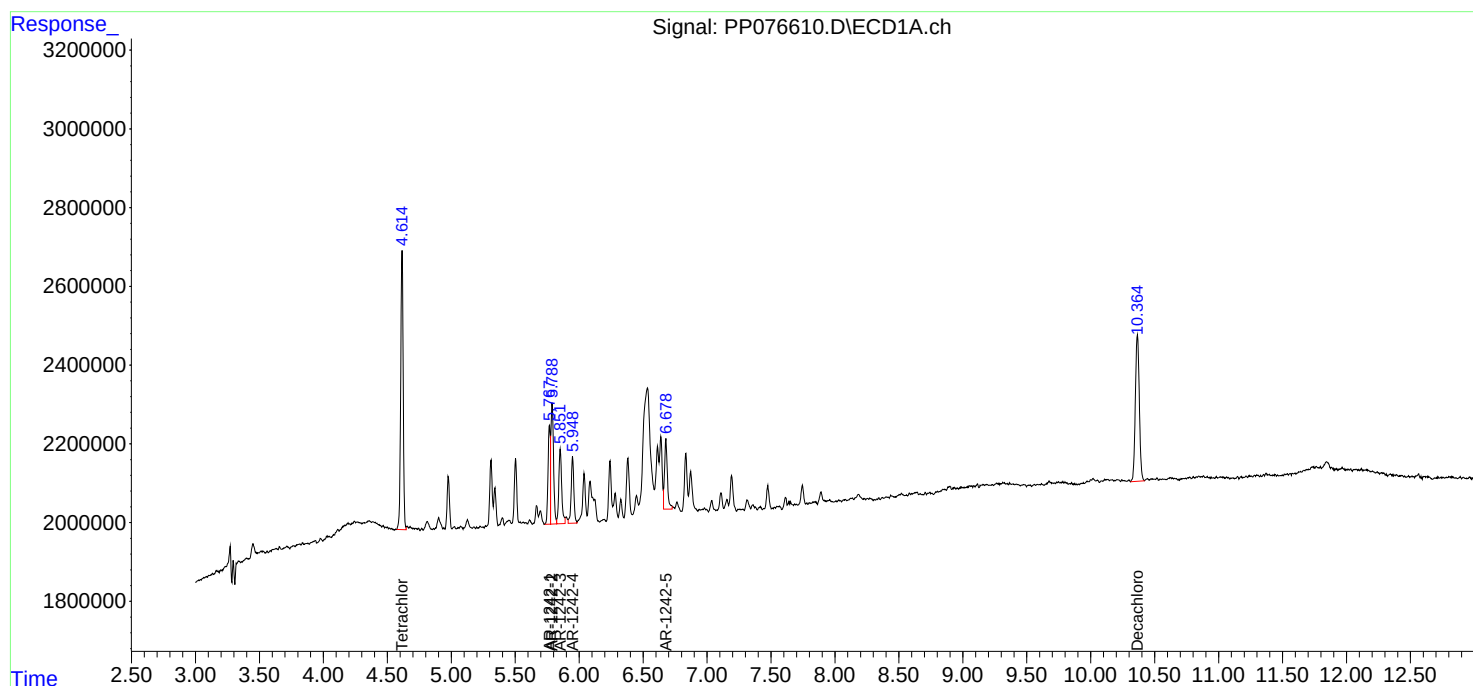
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

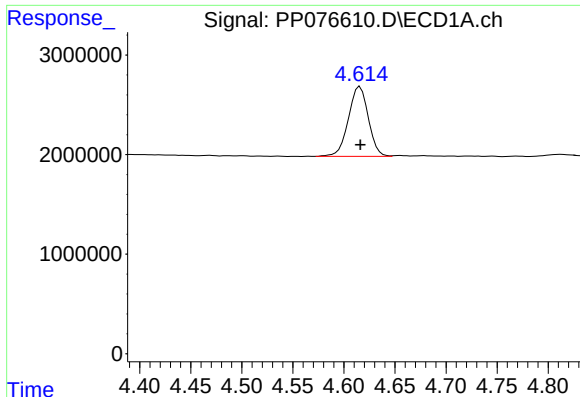
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/24/2025
Supervised By : mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 14:38:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 14:38:21 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

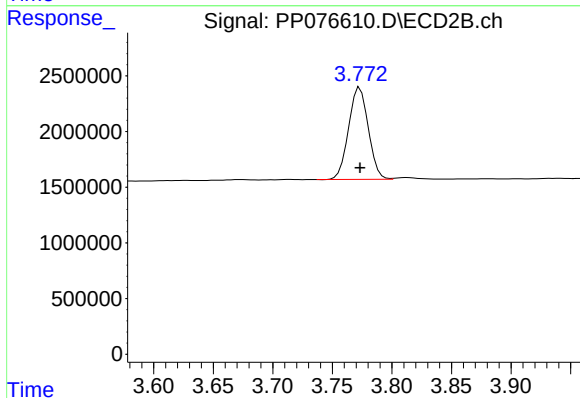
R.T.: 4.616 min
Delta R.T.: 0.000 min
Response: 9523465
Conc: 5.63 ng/ml

ICAL Form

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

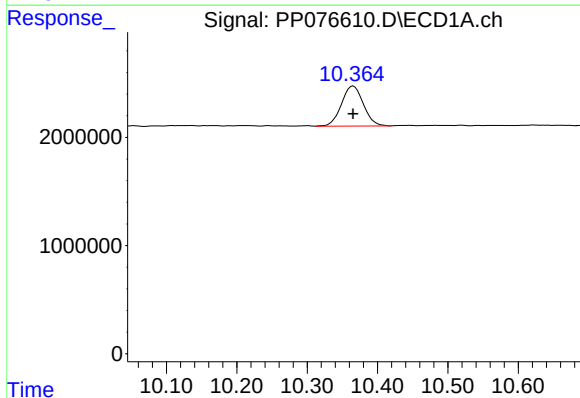
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



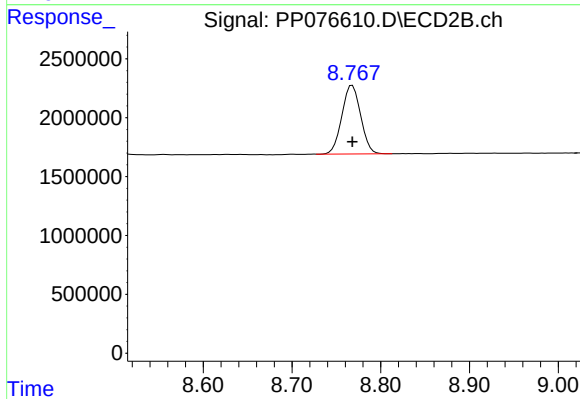
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 9540367
Conc: 4.92 ng/ml



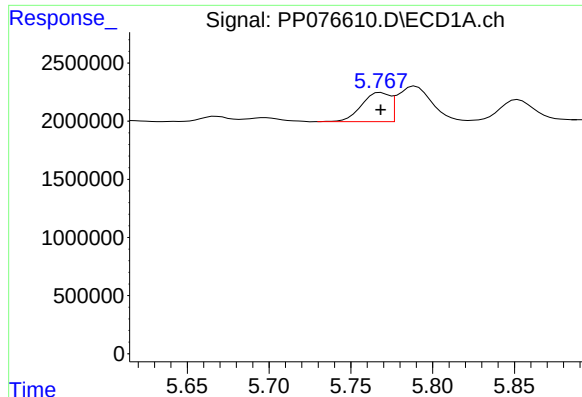
#2 Decachlorobiphenyl

R.T.: 10.366 min
Delta R.T.: 0.000 min
Response: 8002117
Conc: 5.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.768 min
Delta R.T.: 0.000 min
Response: 8577826
Conc: 5.31 ng/ml



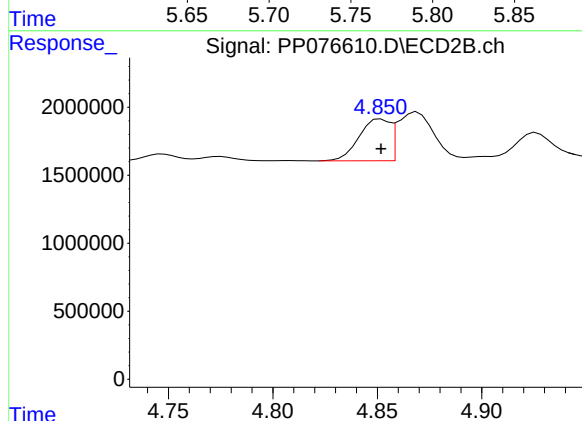
#16 AR-1242-1

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 3006838
Conc: 57.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

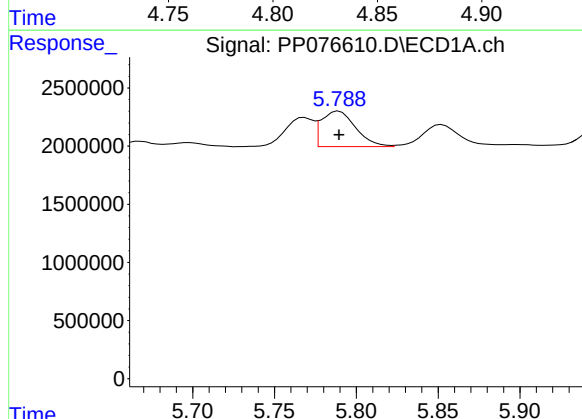
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



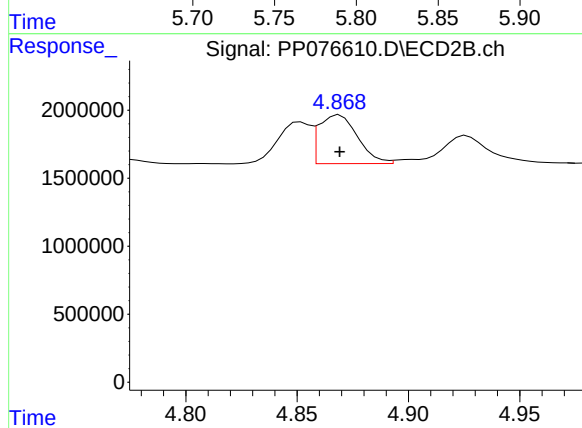
#16 AR-1242-1

R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 3138814
Conc: 54.59 ng/ml



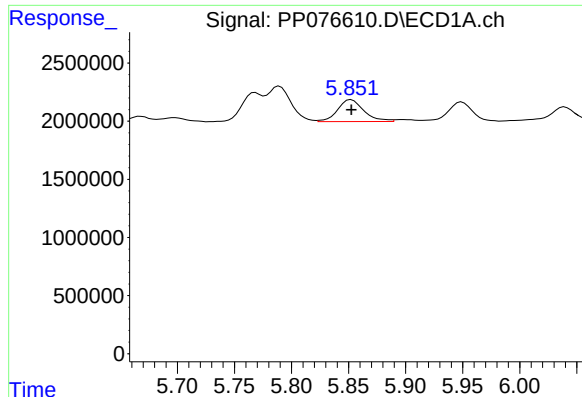
#17 AR-1242-2

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 4467111
Conc: 57.49 ng/ml



#17 AR-1242-2

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 4362121
Conc: 51.76 ng/ml



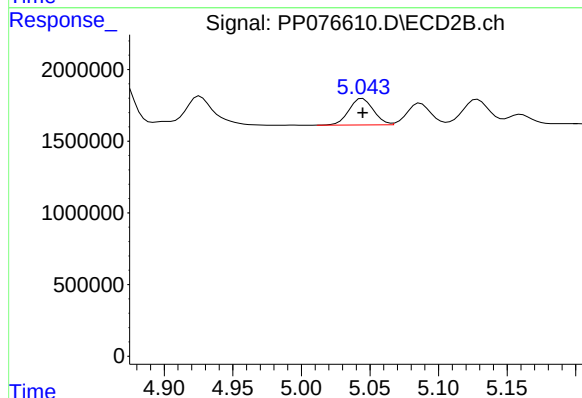
#18 AR-1242-3

R.T.: 5.852 min
Delta R.T.: 0.000 min
Response: 3007646
Conc: 59.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

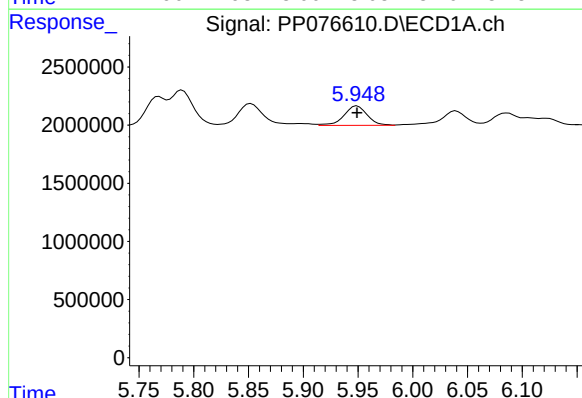
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



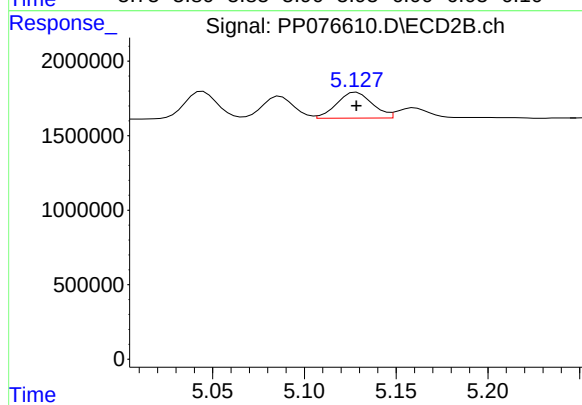
#18 AR-1242-3

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 2291968
Conc: 52.04 ng/ml



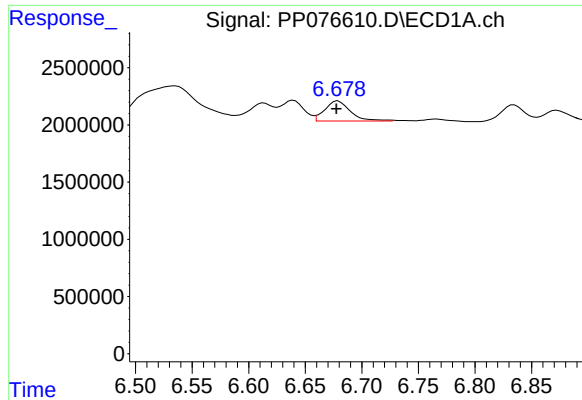
#19 AR-1242-4

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 2467516
Conc: 59.34 ng/ml



#19 AR-1242-4

R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 2339068
Conc: 54.08 ng/ml



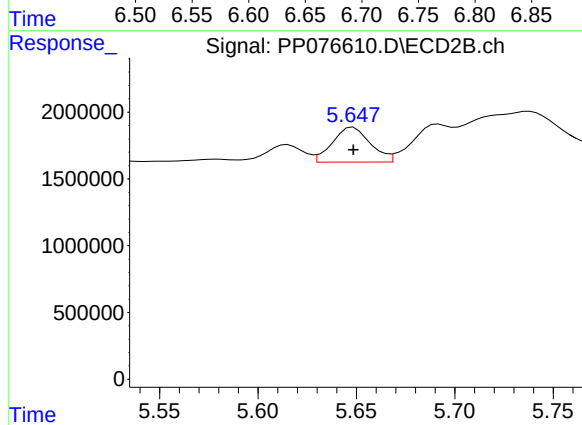
#20 AR-1242-5

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 2740092
Conc: 59.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#20 AR-1242-5

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 3508261
Conc: 60.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 14:54
 Operator : YP\AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 15:58:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 15:53:30 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...	4.616	3.773	157.4E6	196.5E6	96.953	99.317
2) SA Decachlor...	10.367	8.768	124.9E6	150.2E6	94.860	97.215
Target Compounds						
21) L5 AR-1248-1	5.768	4.852	36073269	41569992	939.598	968.195
22) L5 AR-1248-2	6.039	5.086	50000146	54299284	943.452	961.651
23) L5 AR-1248-3	6.242	5.128	55566335	57411768	945.137	966.585
24) L5 AR-1248-4	6.640	5.299	64403994	68531642	943.643	969.821
25) L5 AR-1248-5	6.679	5.690	63599425	72351458	939.728	905.161

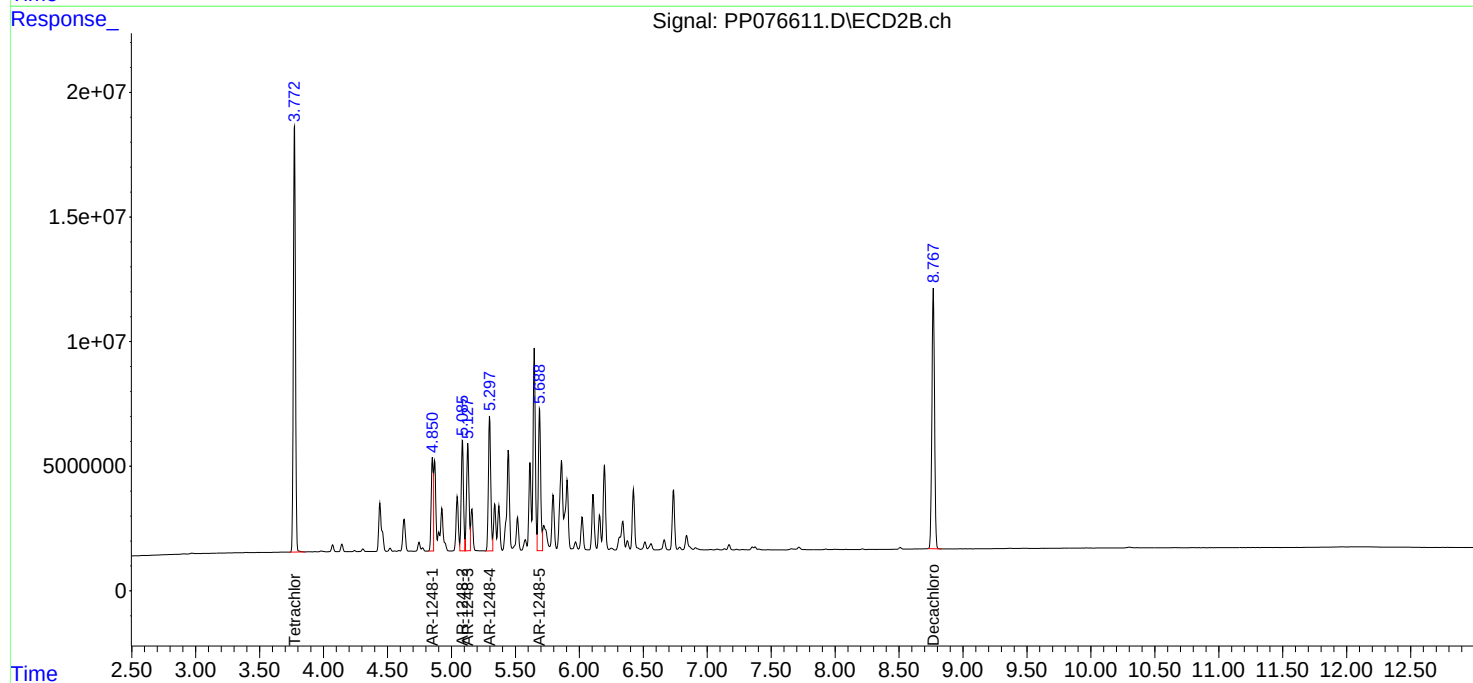
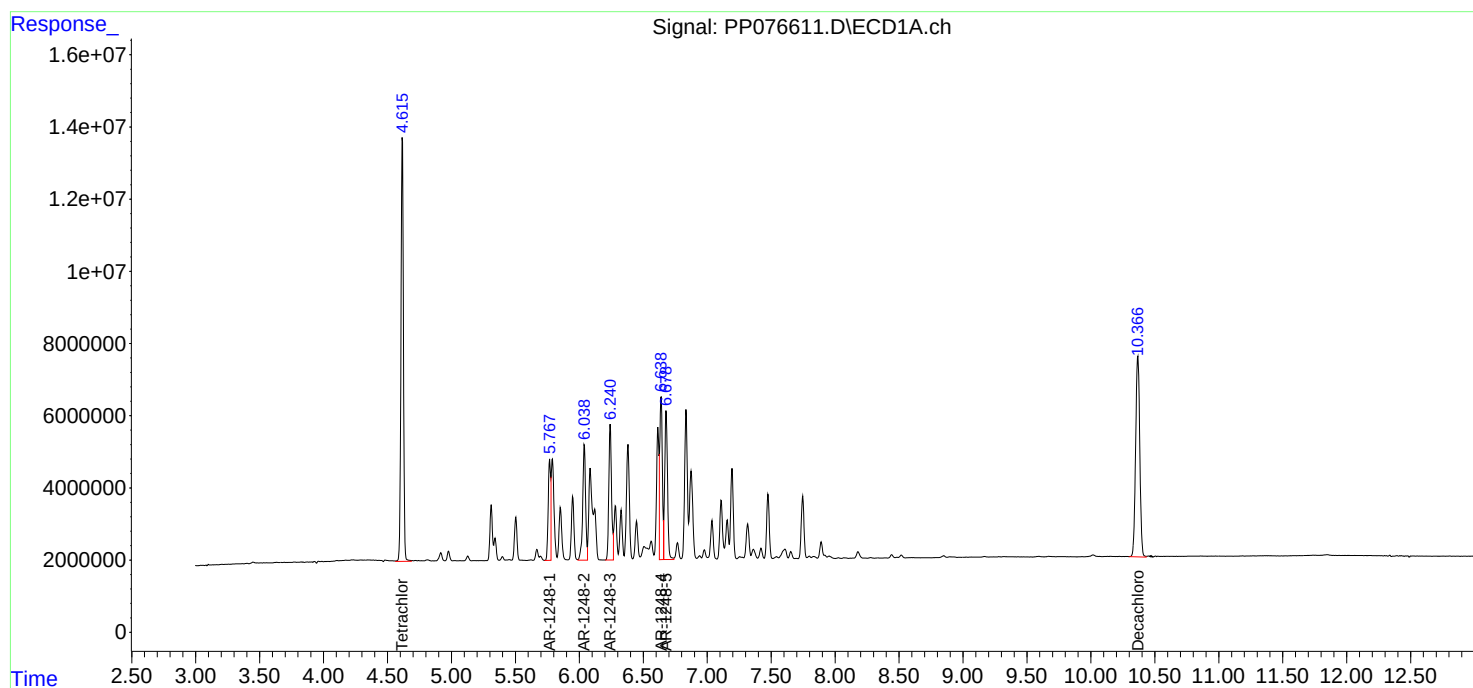
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 14:54
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

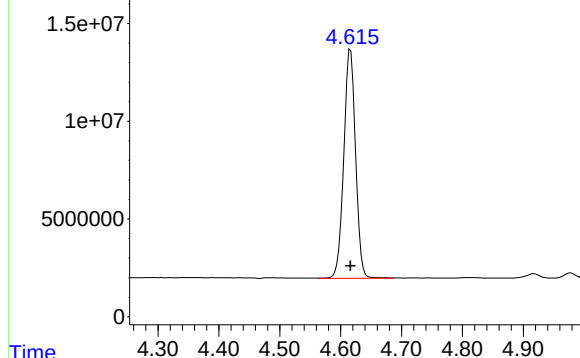
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 15:58:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 15:53:30 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



Response_ Signal: PP076611.D\ECD1A.ch

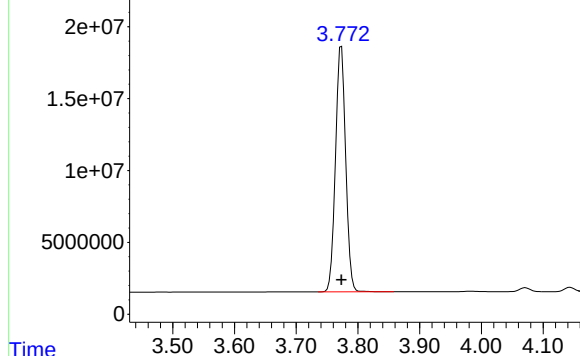


#1 Tetrachloro-m-xylene

R.T.: 4.616 min
Delta R.T.: 0.000 min
Response: 157427000
Conc: 96.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

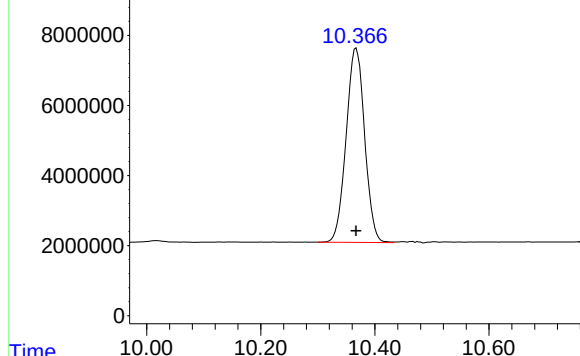
Time Response_ Signal: PP076611.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 196526879
Conc: 99.32 ng/ml

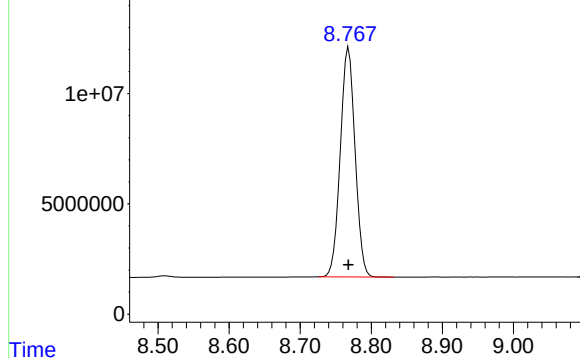
Time Response_ Signal: PP076611.D\ECD1A.ch



#2 Decachlorobiphenyl

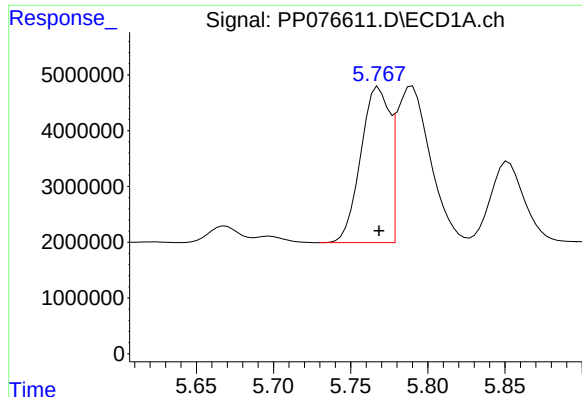
R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 124944778
Conc: 94.86 ng/ml

Time Response_ Signal: PP076611.D\ECD2B.ch



#2 Decachlorobiphenyl

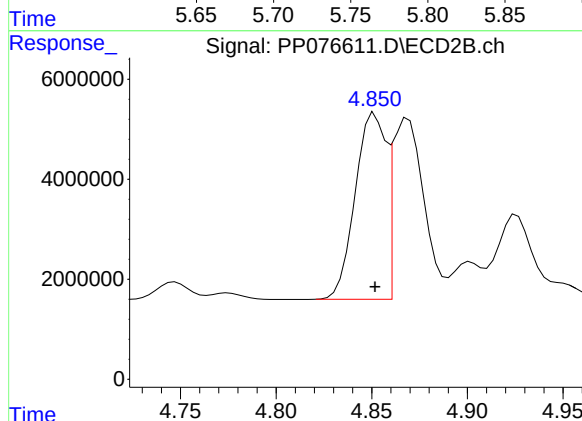
R.T.: 8.768 min
Delta R.T.: 0.000 min
Response: 150248894
Conc: 97.21 ng/ml



#21 AR-1248-1

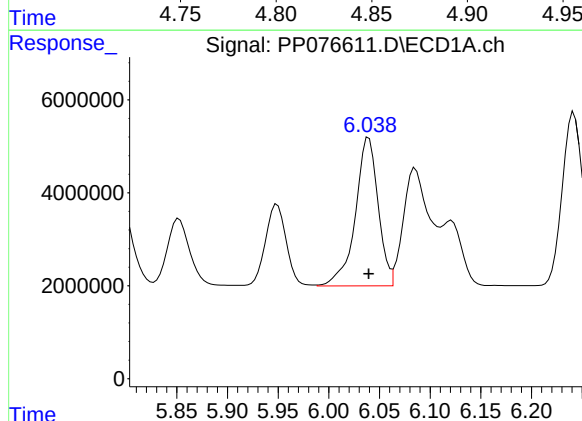
R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 36073269
Conc: 939.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



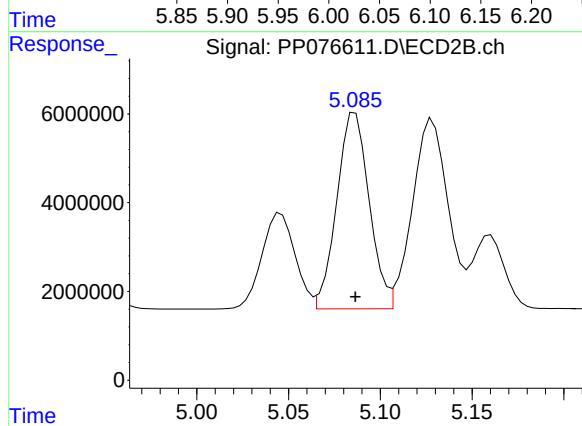
#21 AR-1248-1

R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 41569992
Conc: 968.19 ng/ml



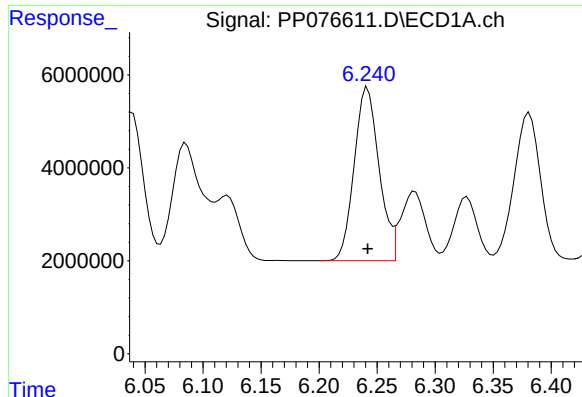
#22 AR-1248-2

R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 50000146
Conc: 943.45 ng/ml



#22 AR-1248-2

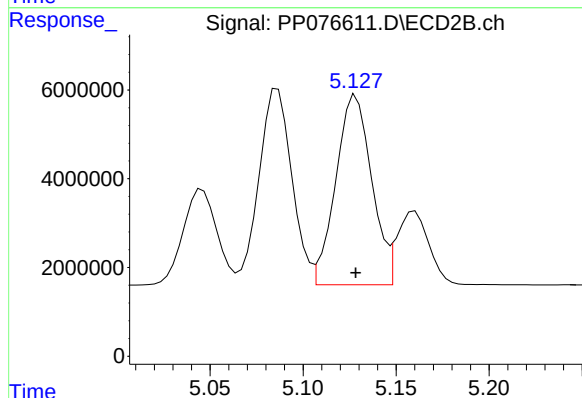
R.T.: 5.086 min
Delta R.T.: 0.000 min
Response: 54299284
Conc: 961.65 ng/ml



#23 AR-1248-3

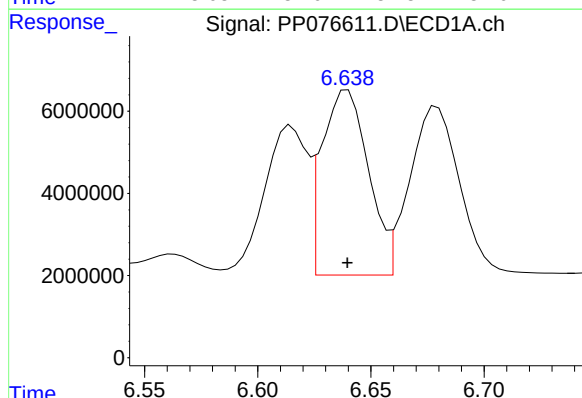
R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 55566335
Conc: 945.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



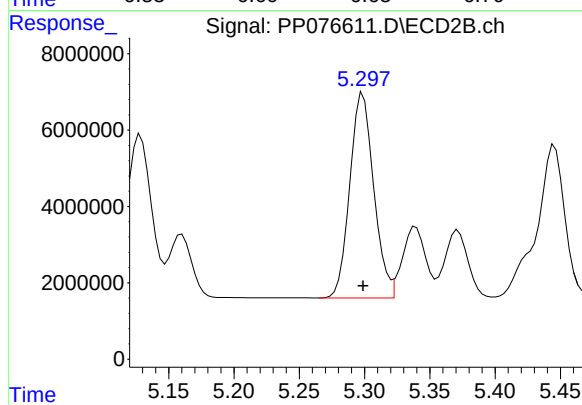
#23 AR-1248-3

R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 57411768
Conc: 966.58 ng/ml



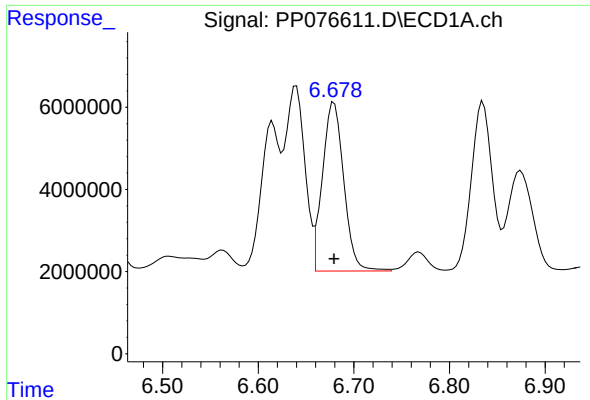
#24 AR-1248-4

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 64403994
Conc: 943.64 ng/ml



#24 AR-1248-4

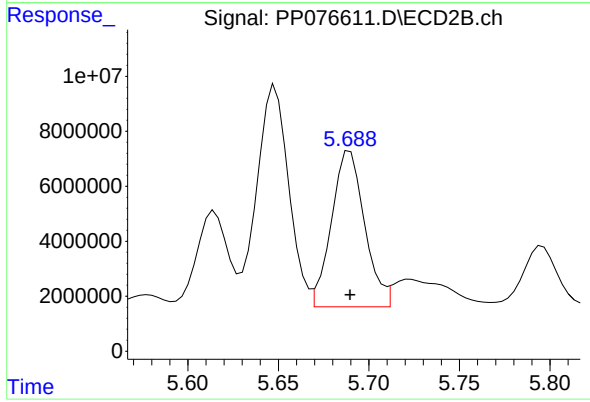
R.T.: 5.299 min
Delta R.T.: 0.000 min
Response: 68531642
Conc: 969.82 ng/ml



#25 AR-1248-5

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 63599425
Conc: 939.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 72351458
Conc: 905.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076612.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 15:10
 Operator : YP\AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 16:00:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 15:53:30 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...	4.615	3.772	121.4E6	147.8E6	74.847	74.781
2) SA Decachlor...	10.367	8.767	96905313	114.6E6	74.042	74.432
Target Compounds						
21) L5 AR-1248-1	5.767	4.850	28451111	31860190	744.019	744.679
22) L5 AR-1248-2	6.038	5.085	39650514	41802899	748.776	743.530
23) L5 AR-1248-3	6.240	5.127	43525806	44101904	743.531	744.983
24) L5 AR-1248-4	6.639	5.298	50845203	52494926	746.646	745.237
25) L5 AR-1248-5	6.678	5.688	49987351	55587544	742.361	712.719

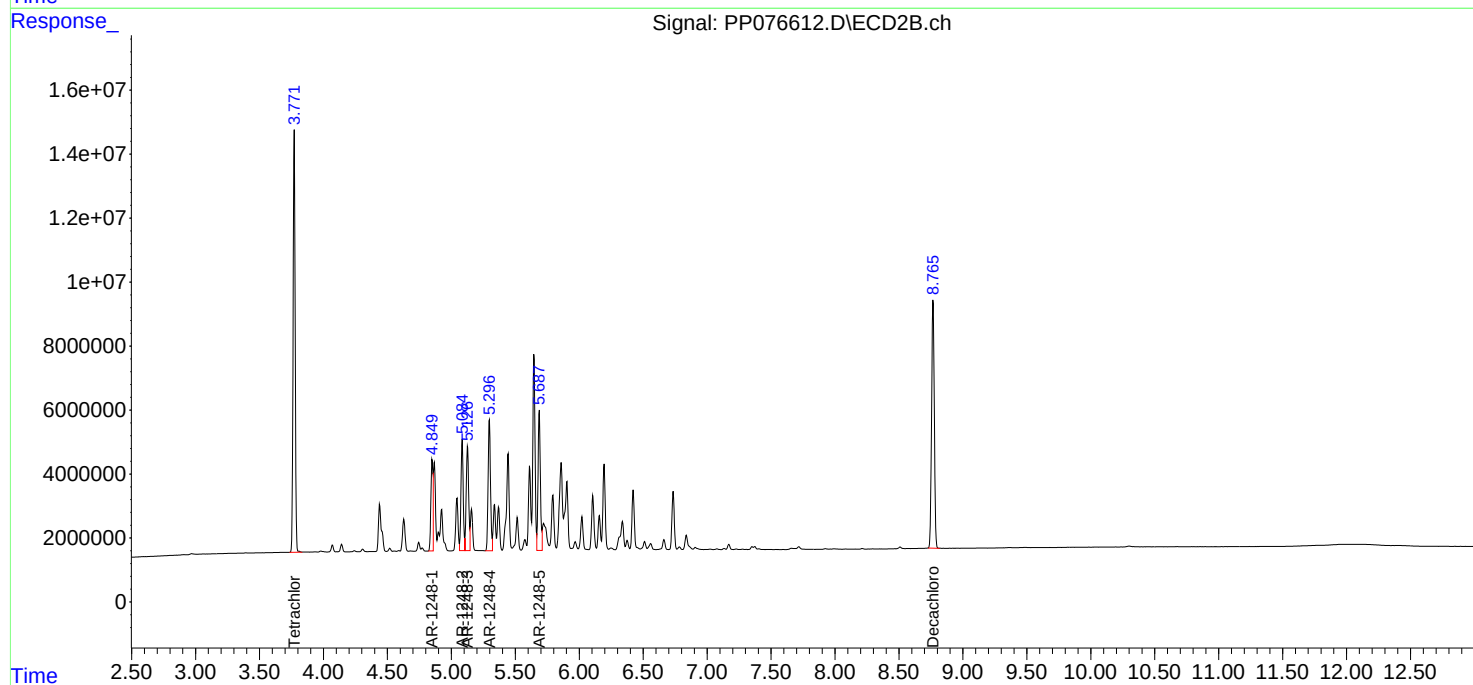
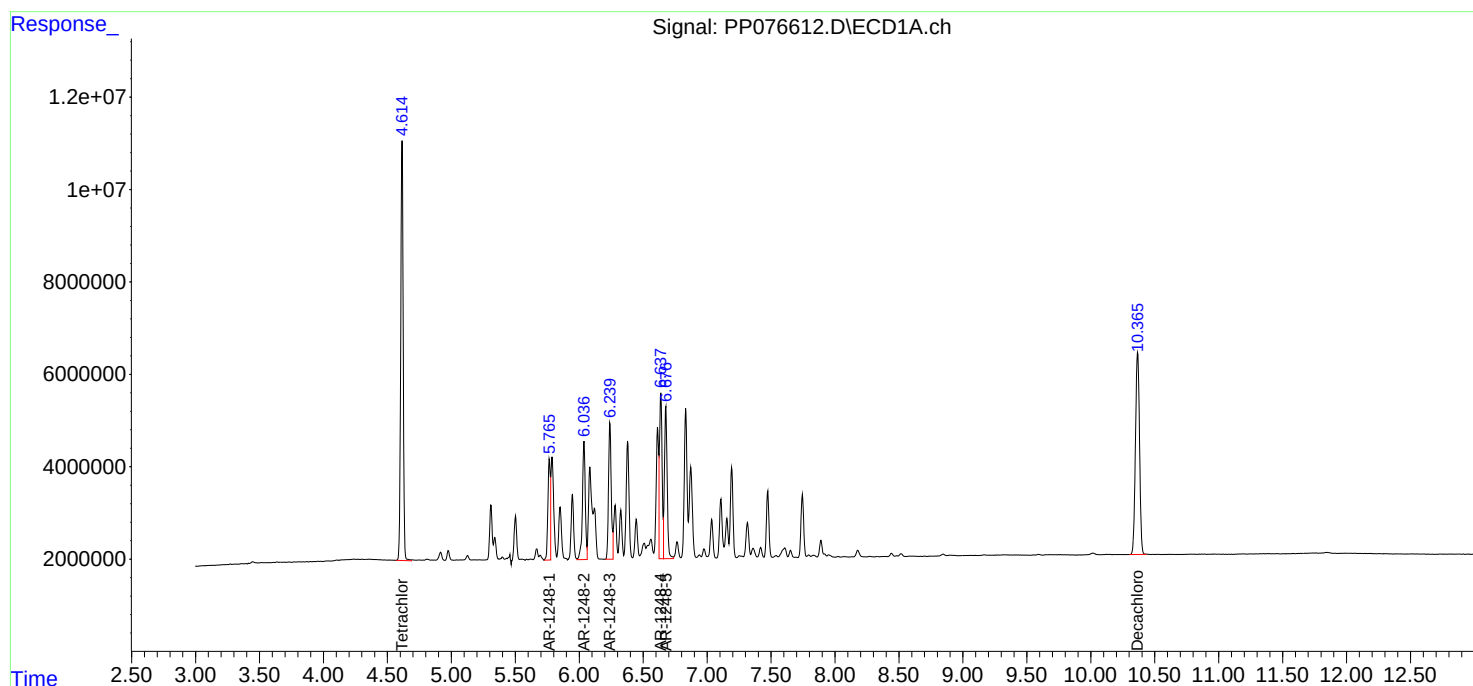
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

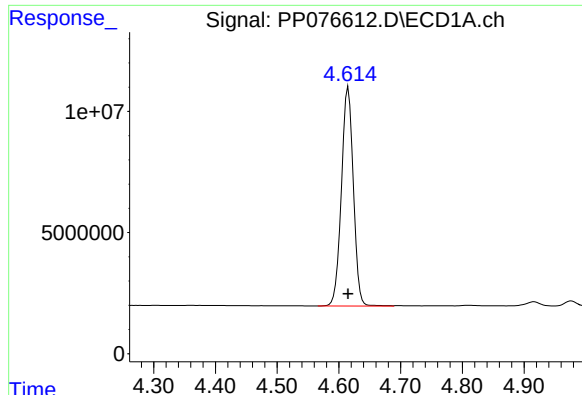
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 15:10
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 16:00:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 15:53:30 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

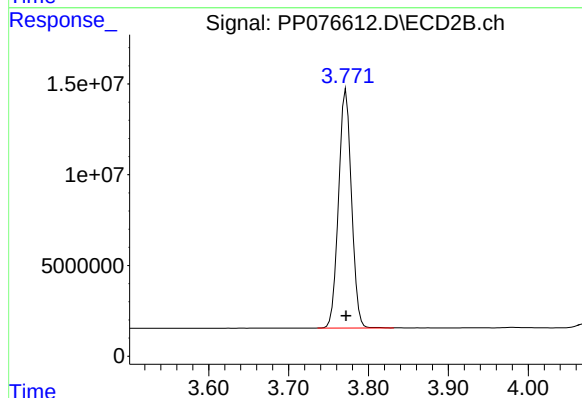




#1 Tetrachloro-m-xylene

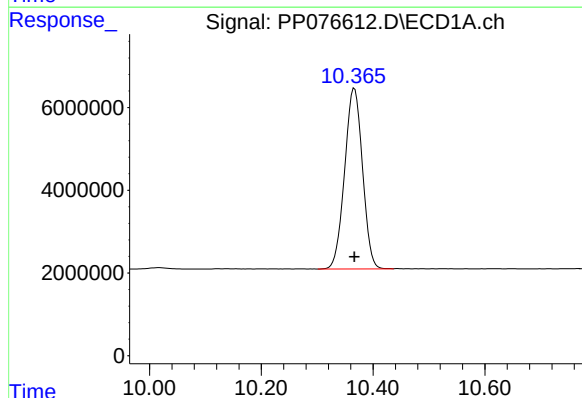
R.T.: 4.615 min
Delta R.T.: 0.000 min
Response: 121407959
Conc: 74.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



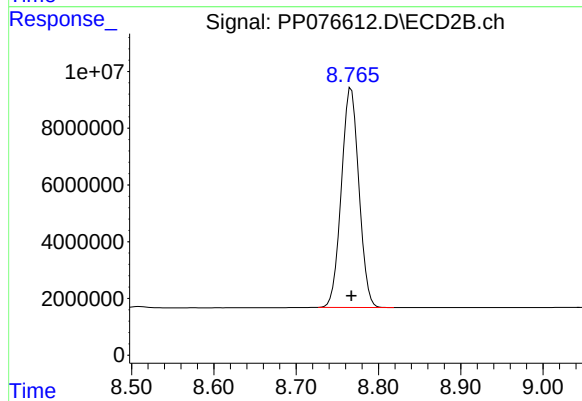
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: 0.000 min
Response: 147757601
Conc: 74.78 ng/ml



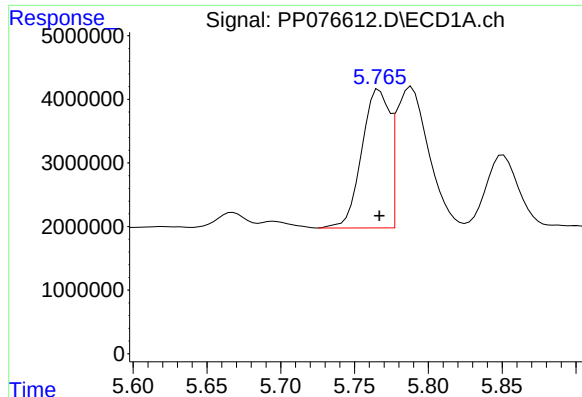
#2 Decachlorobiphenyl

R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 96905313
Conc: 74.04 ng/ml



#2 Decachlorobiphenyl

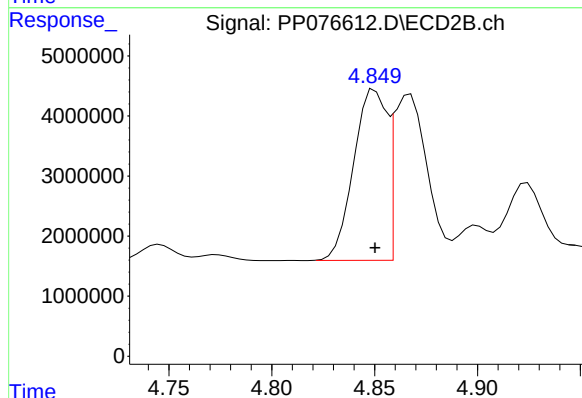
R.T.: 8.767 min
Delta R.T.: 0.000 min
Response: 114603183
Conc: 74.43 ng/ml



#21 AR-1248-1

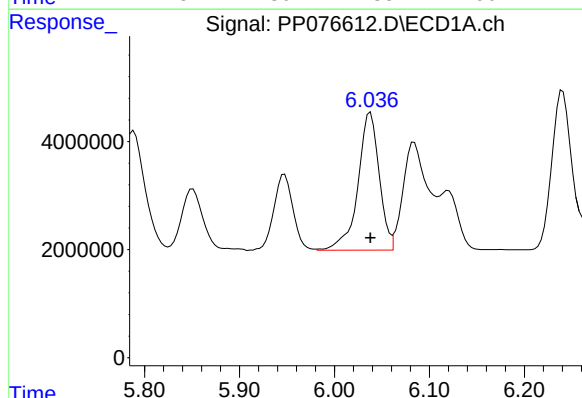
R.T.: 5.767 min
Delta R.T.: 0.000 min
Response: 28451111
Conc: 744.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



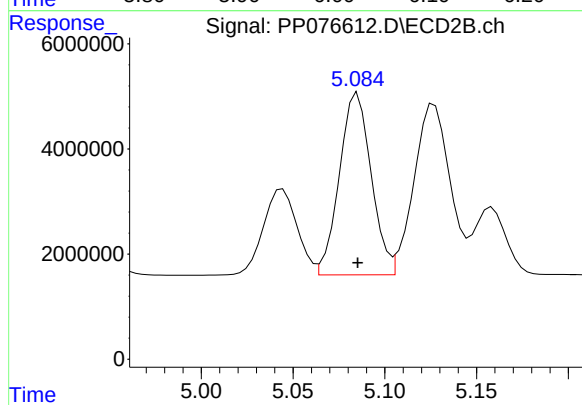
#21 AR-1248-1

R.T.: 4.850 min
Delta R.T.: 0.000 min
Response: 31860190
Conc: 744.68 ng/ml



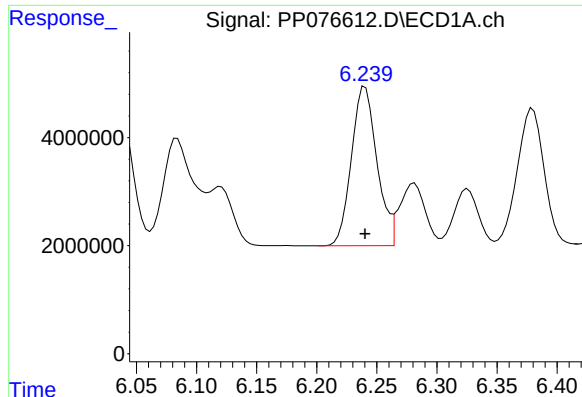
#22 AR-1248-2

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 39650514
Conc: 748.78 ng/ml



#22 AR-1248-2

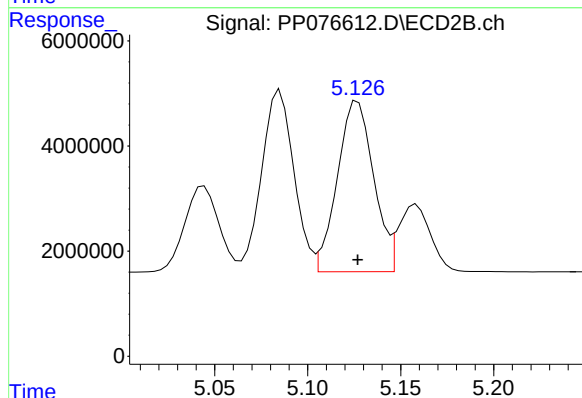
R.T.: 5.085 min
Delta R.T.: 0.000 min
Response: 41802899
Conc: 743.53 ng/ml



#23 AR-1248-3

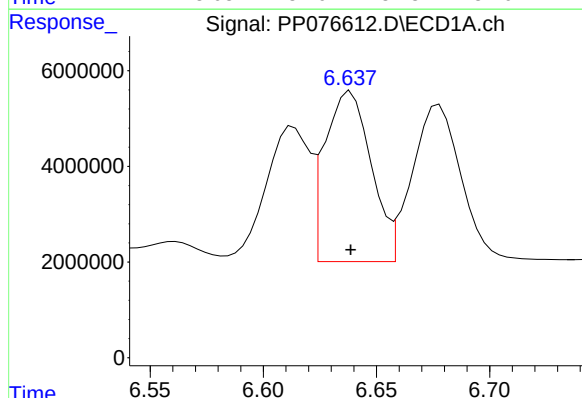
R.T.: 6.240 min
Delta R.T.: 0.000 min
Response: 43525806
Conc: 743.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



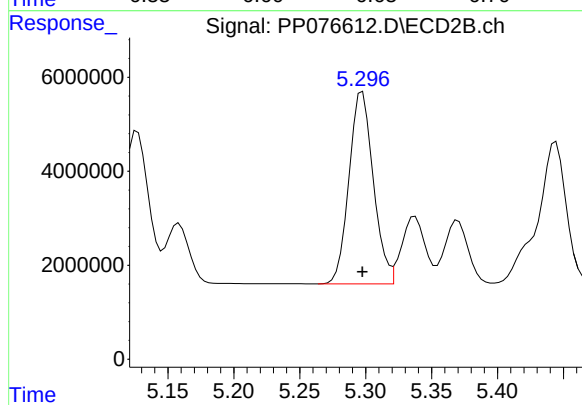
#23 AR-1248-3

R.T.: 5.127 min
Delta R.T.: 0.000 min
Response: 44101904
Conc: 744.98 ng/ml



#24 AR-1248-4

R.T.: 6.639 min
Delta R.T.: 0.000 min
Response: 50845203
Conc: 746.65 ng/ml



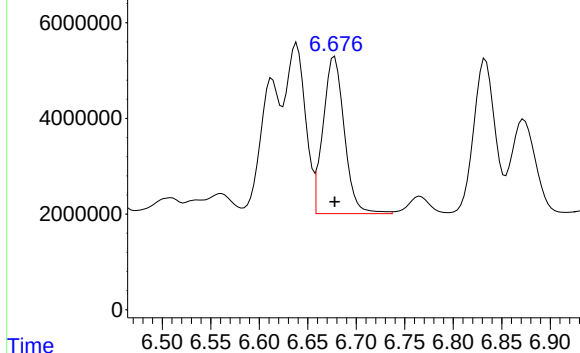
#24 AR-1248-4

R.T.: 5.298 min
Delta R.T.: 0.000 min
Response: 52494926
Conc: 745.24 ng/ml

Response_

Signal: PP076612.D\ECD1A.ch

#25 AR-1248-5



R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 49987351
Conc: 742.36 ng/ml

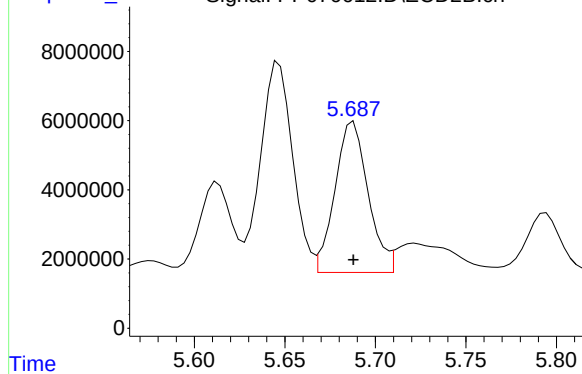
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Time

Response_

Signal: PP076612.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 55587544
Conc: 712.72 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076613.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 15:32
 Operator : YP\AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 15:54:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 15:53:30 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...	4.625	3.776	83661134	99614074	50.000	50.000
2) SA Decachlor...	10.379	8.774	69242892	79429143	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.777	4.856	20355600	22150575	500.000	500.000
22) L5 AR-1248-2	6.048	5.091	27996935	29315023	500.000	500.000
23) L5 AR-1248-3	6.251	5.133	31008674	30690642	500.000	500.000
24) L5 AR-1248-4	6.649	5.303	36048381	36398365	500.000	500.000
25) L5 AR-1248-5	6.688	5.694	35878867	43756396	500.000	500.000

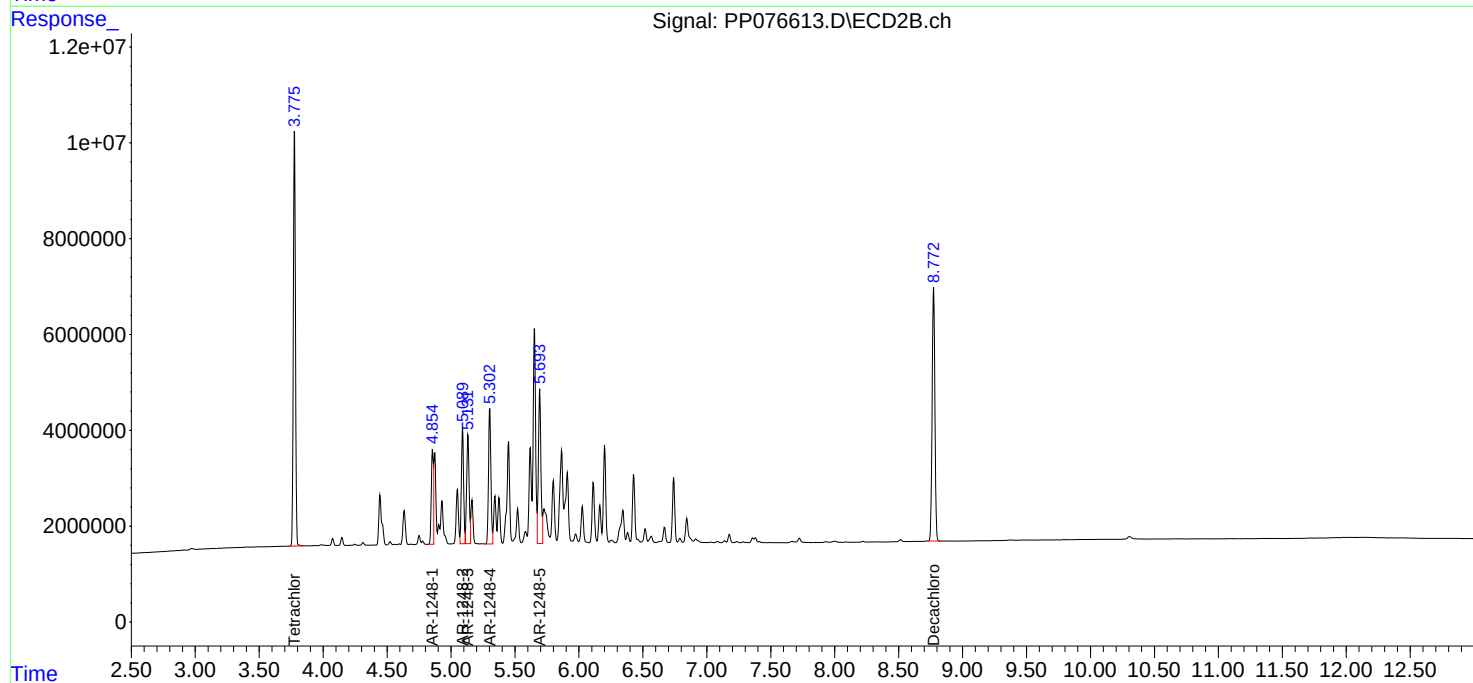
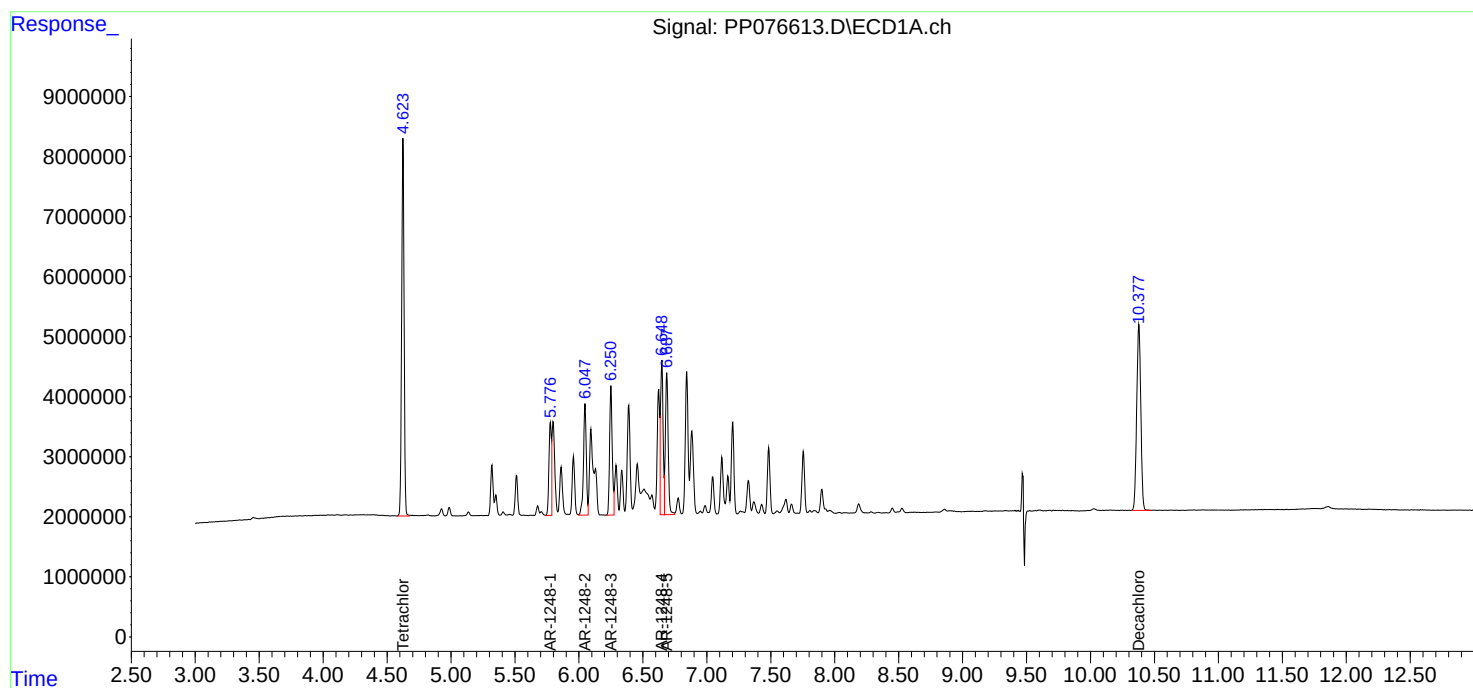
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 15:32
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

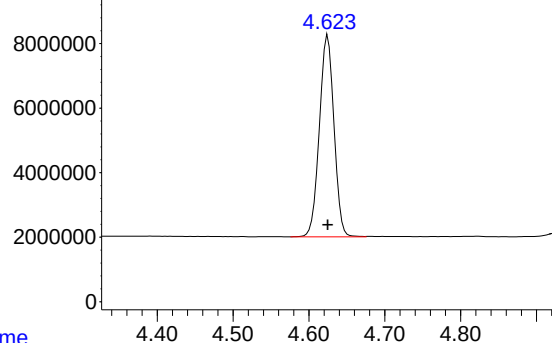
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 15:54:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 15:53:30 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



Response_ Signal: PP076613.D\ECD1A.ch

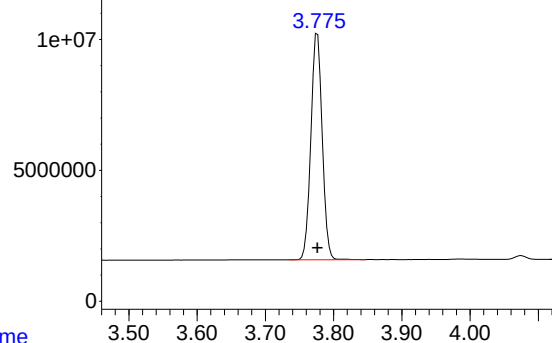


#1 Tetrachloro-m-xylene

R.T.: 4.625 min
Delta R.T.: 0.000 min
Response: 83661134
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

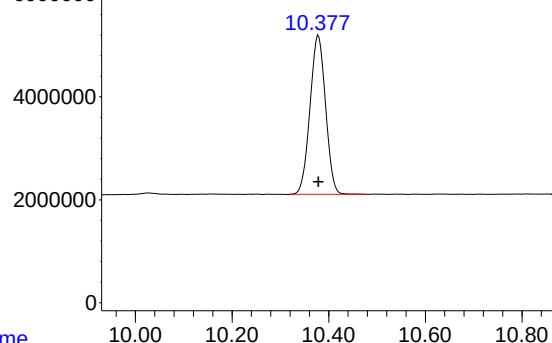
Time Response_ Signal: PP076613.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: 0.000 min
Response: 99614074
Conc: 50.00 ng/ml

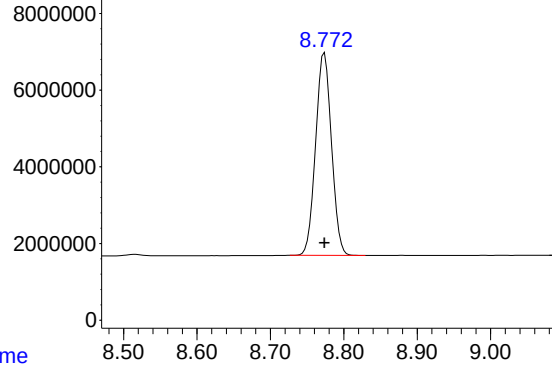
Time Response_ Signal: PP076613.D\ECD1A.ch



#2 Decachlorobiphenyl

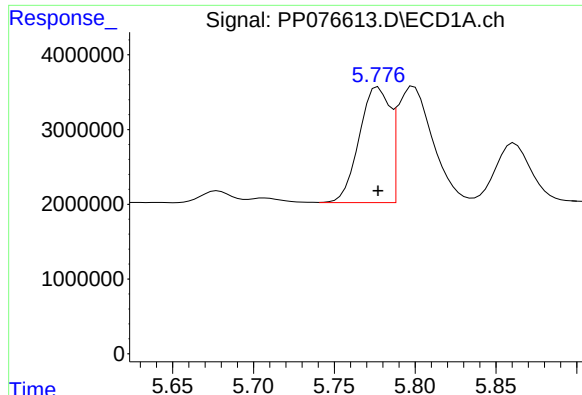
R.T.: 10.379 min
Delta R.T.: 0.000 min
Response: 69242892
Conc: 50.00 ng/ml

Time Response_ Signal: PP076613.D\ECD2B.ch



#2 Decachlorobiphenyl

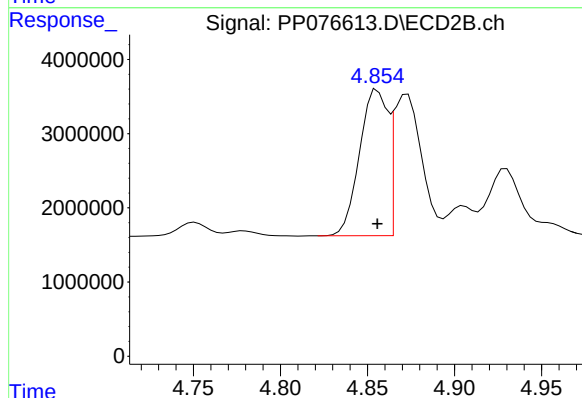
R.T.: 8.774 min
Delta R.T.: 0.000 min
Response: 79429143
Conc: 50.00 ng/ml



#21 AR-1248-1

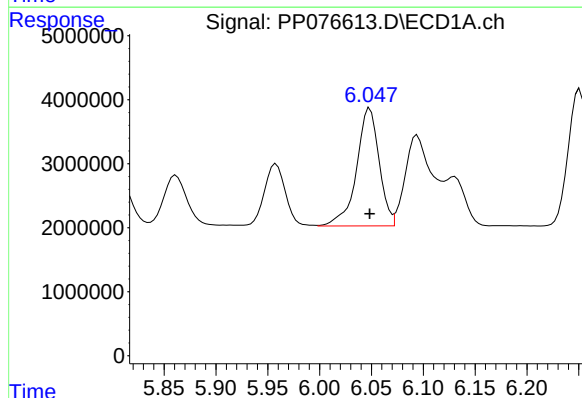
R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 20355600
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



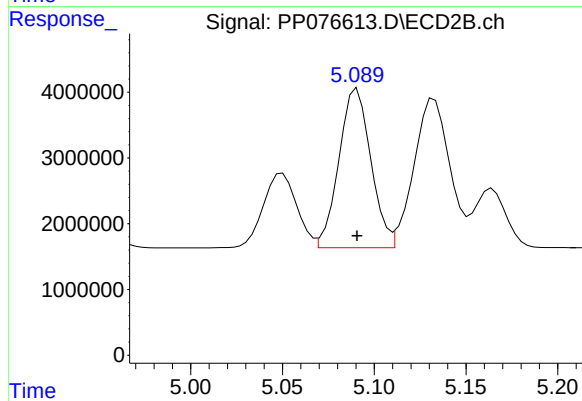
#21 AR-1248-1

R.T.: 4.856 min
Delta R.T.: 0.000 min
Response: 22150575
Conc: 500.00 ng/ml



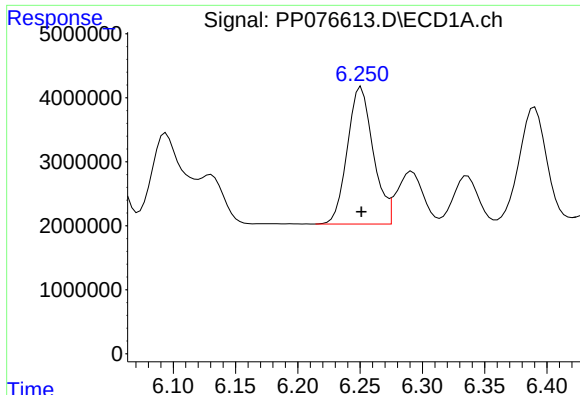
#22 AR-1248-2

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 27996935
Conc: 500.00 ng/ml



#22 AR-1248-2

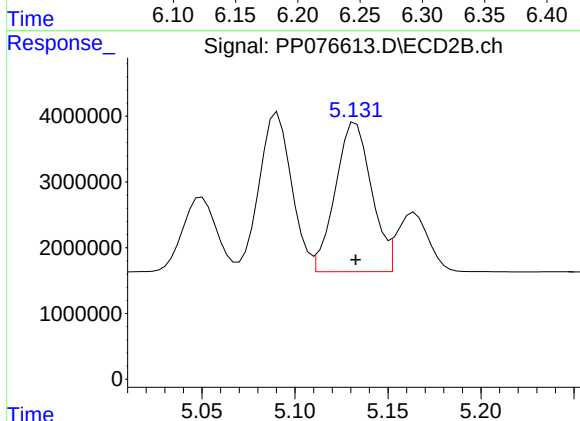
R.T.: 5.091 min
Delta R.T.: 0.000 min
Response: 29315023
Conc: 500.00 ng/ml



#23 AR-1248-3

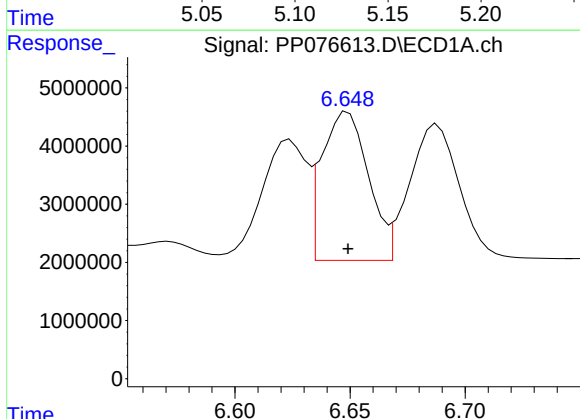
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 31008674
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



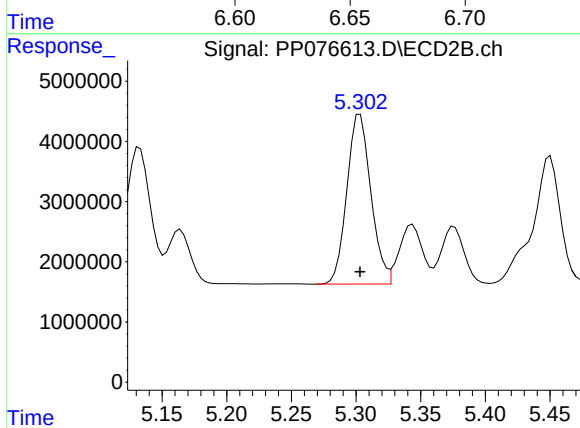
#23 AR-1248-3

R.T.: 5.133 min
Delta R.T.: 0.000 min
Response: 30690642
Conc: 500.00 ng/ml



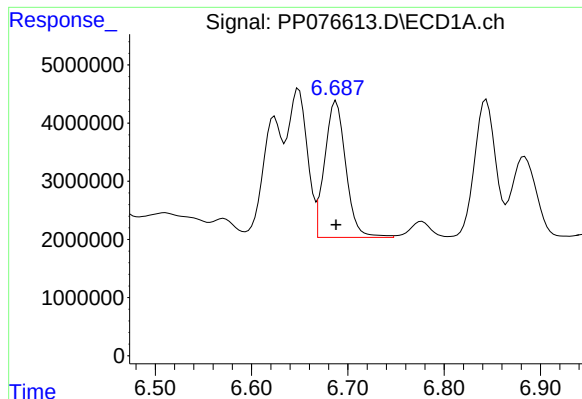
#24 AR-1248-4

R.T.: 6.649 min
Delta R.T.: 0.000 min
Response: 36048381
Conc: 500.00 ng/ml



#24 AR-1248-4

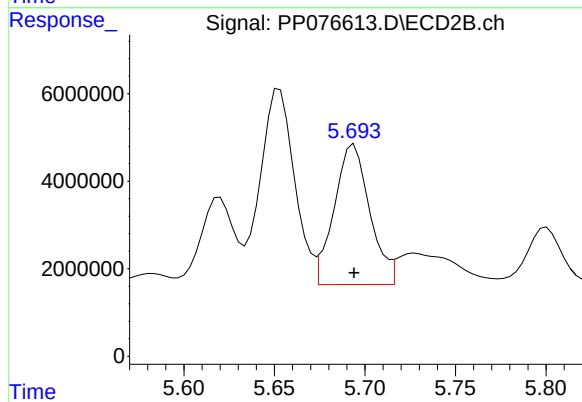
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 36398365
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.688 min
Delta R.T.: 0.000 min
Response: 35878867
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 43756396
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076614.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 15:49
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 16:03:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 15:53:30 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...	4.616	3.772	45290404	50562569	27.129	25.440
2) SA Decachlor...	10.367	8.768	38211507	42415770	28.020	26.864
Target Compounds						
21) L5 AR-1248-1	5.768	4.851	11112883	11813441	279.269	269.091
22) L5 AR-1248-2	6.039	5.086	15483158	15673628	280.500	270.981
23) L5 AR-1248-3	6.242	5.128	17079502	16557871	280.065	271.633
24) L5 AR-1248-4	6.640	5.298	20395459	19568442	285.375	270.287
25) L5 AR-1248-5	6.679	5.689	20806488	21885044	291.782	272.269

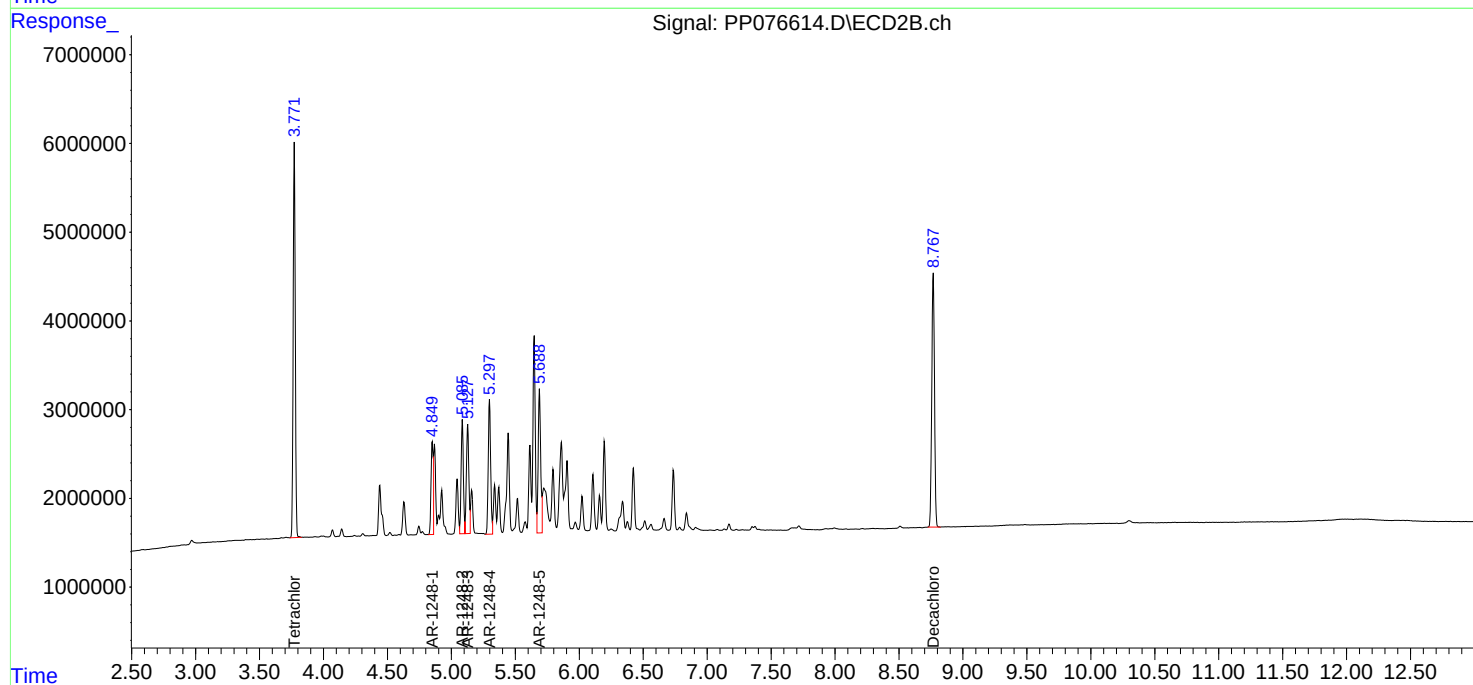
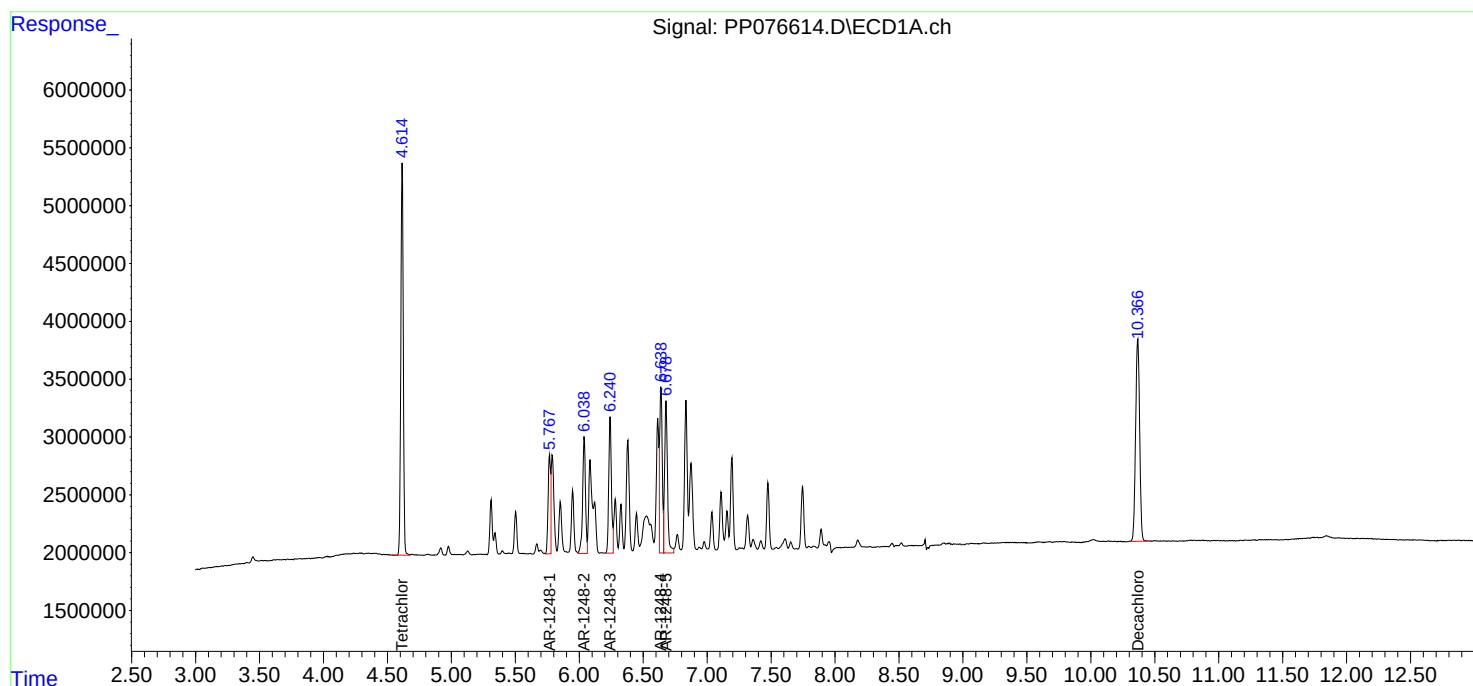
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

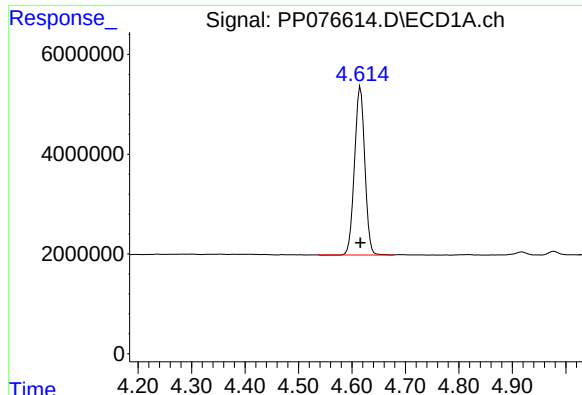
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 15:49
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 16:03:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 15:53:30 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

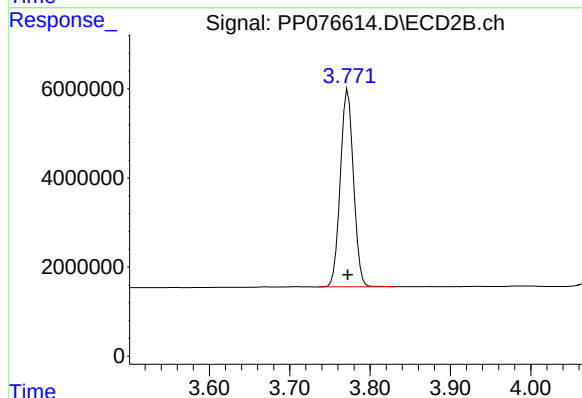




#1 Tetrachloro-m-xylene

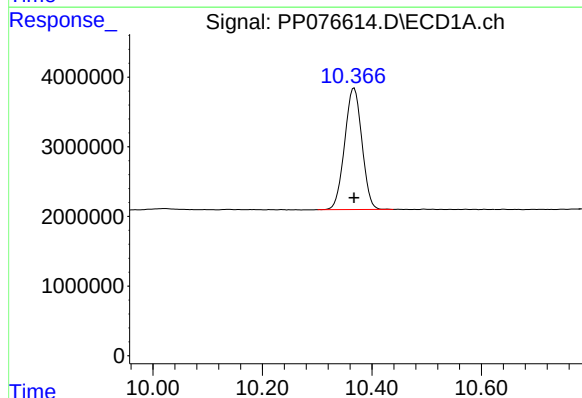
R.T.: 4.616 min
Delta R.T.: 0.000 min
Response: 45290404
Conc: 27.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



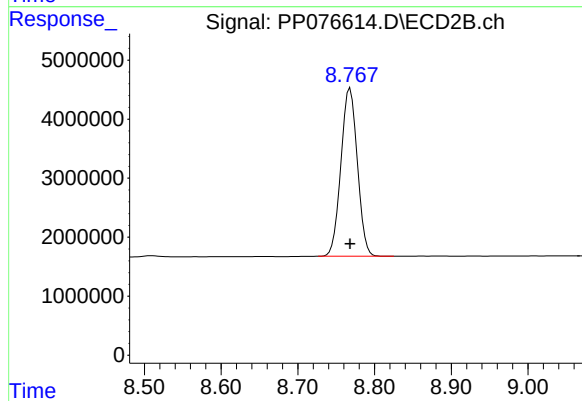
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: 0.000 min
Response: 50562569
Conc: 25.44 ng/ml



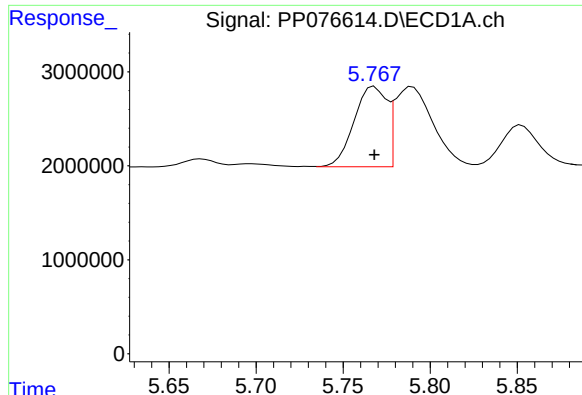
#2 Decachlorobiphenyl

R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 38211507
Conc: 28.02 ng/ml



#2 Decachlorobiphenyl

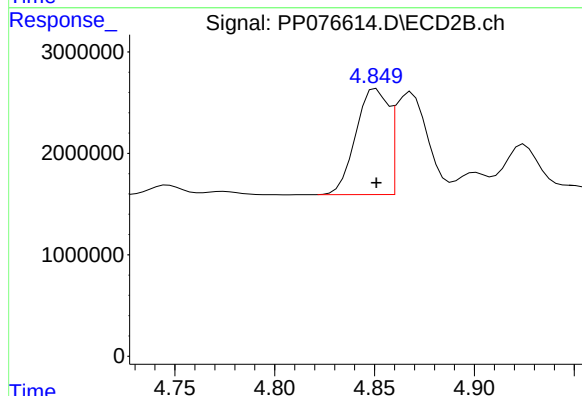
R.T.: 8.768 min
Delta R.T.: 0.000 min
Response: 42415770
Conc: 26.86 ng/ml



#21 AR-1248-1

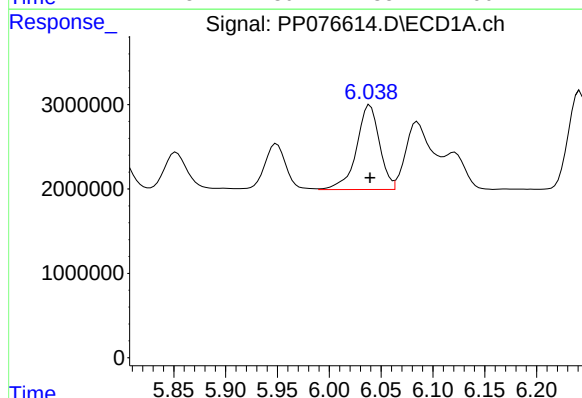
R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 11112883
Conc: 279.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



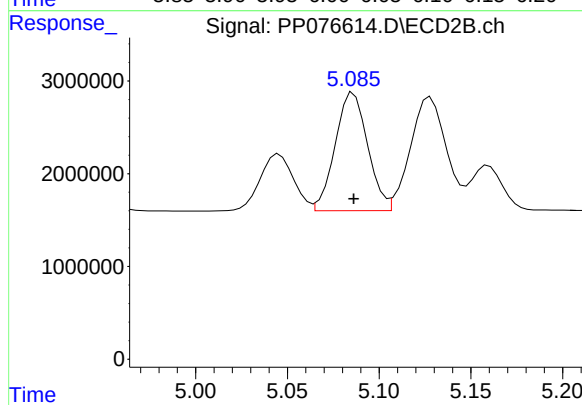
#21 AR-1248-1

R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 11813441
Conc: 269.09 ng/ml



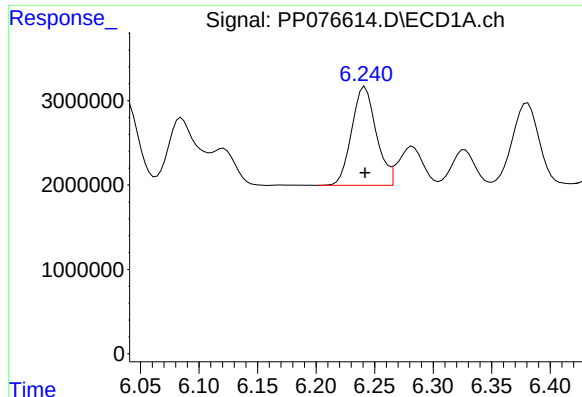
#22 AR-1248-2

R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 15483158
Conc: 280.50 ng/ml



#22 AR-1248-2

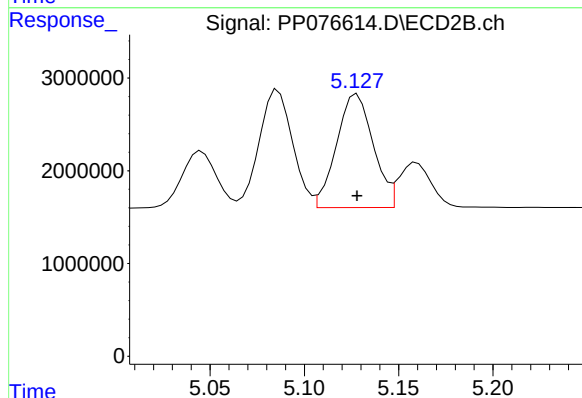
R.T.: 5.086 min
Delta R.T.: 0.000 min
Response: 15673628
Conc: 270.98 ng/ml



#23 AR-1248-3

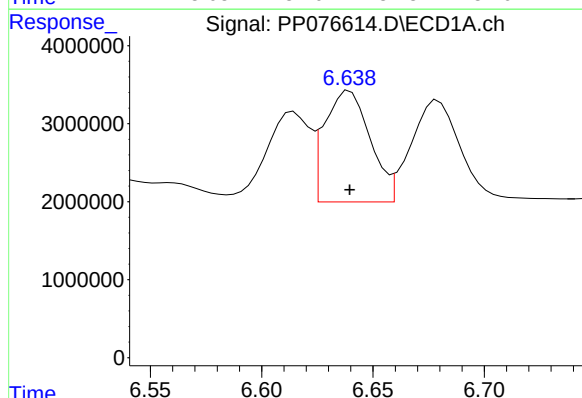
R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 17079502
Conc: 280.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



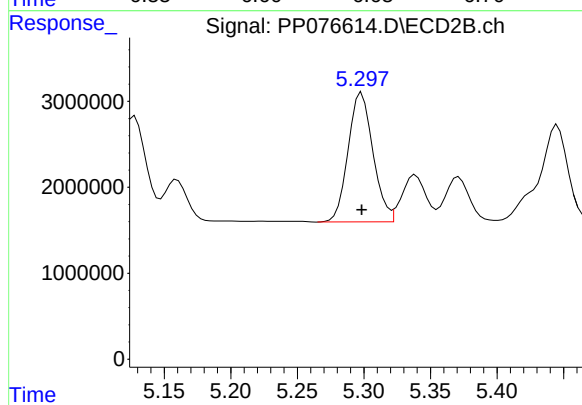
#23 AR-1248-3

R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 16557871
Conc: 271.63 ng/ml



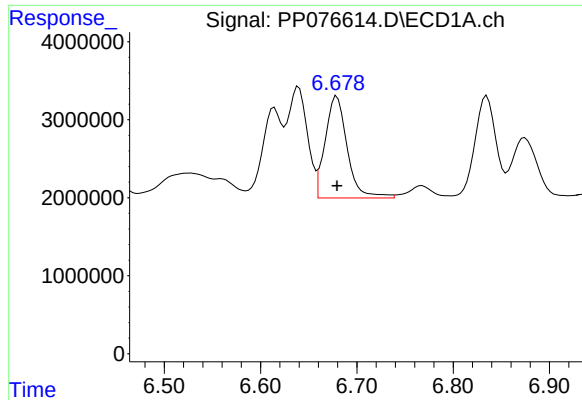
#24 AR-1248-4

R.T.: 6.640 min
Delta R.T.: 0.000 min
Response: 20395459
Conc: 285.37 ng/ml



#24 AR-1248-4

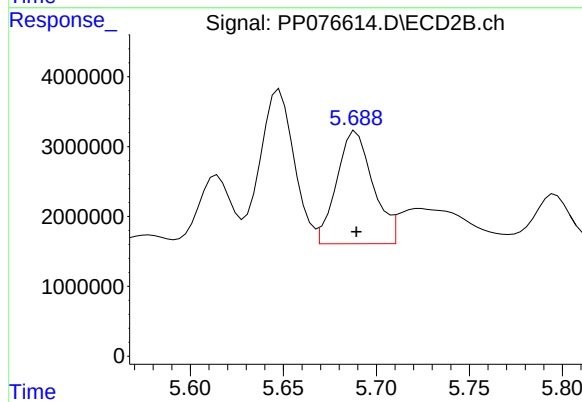
R.T.: 5.298 min
Delta R.T.: 0.000 min
Response: 19568442
Conc: 270.29 ng/ml



#25 AR-1248-5

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 20806488
Conc: 291.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 21885044
Conc: 272.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076615.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 16:05
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 16:39:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 16:39:10 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...	4.616	3.773	8926415	8933050	5.274	4.587
2) SA Decachlor...	10.366	8.769	7118485	8038748	5.286m	5.073
Target Compounds						
21) L5 AR-1248-1	5.769	4.852	2156360	2238744	53.297	50.793
22) L5 AR-1248-2	6.040	5.087	3057510	2988863	54.222	51.331
23) L5 AR-1248-3	6.243	5.129	3382089	3154670	54.274	51.392
24) L5 AR-1248-4	6.639	5.299	4242611	3816501	57.658m	52.149
25) L5 AR-1248-5	6.679	5.690	3916860	4964015	53.845m	57.408m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 16:05
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

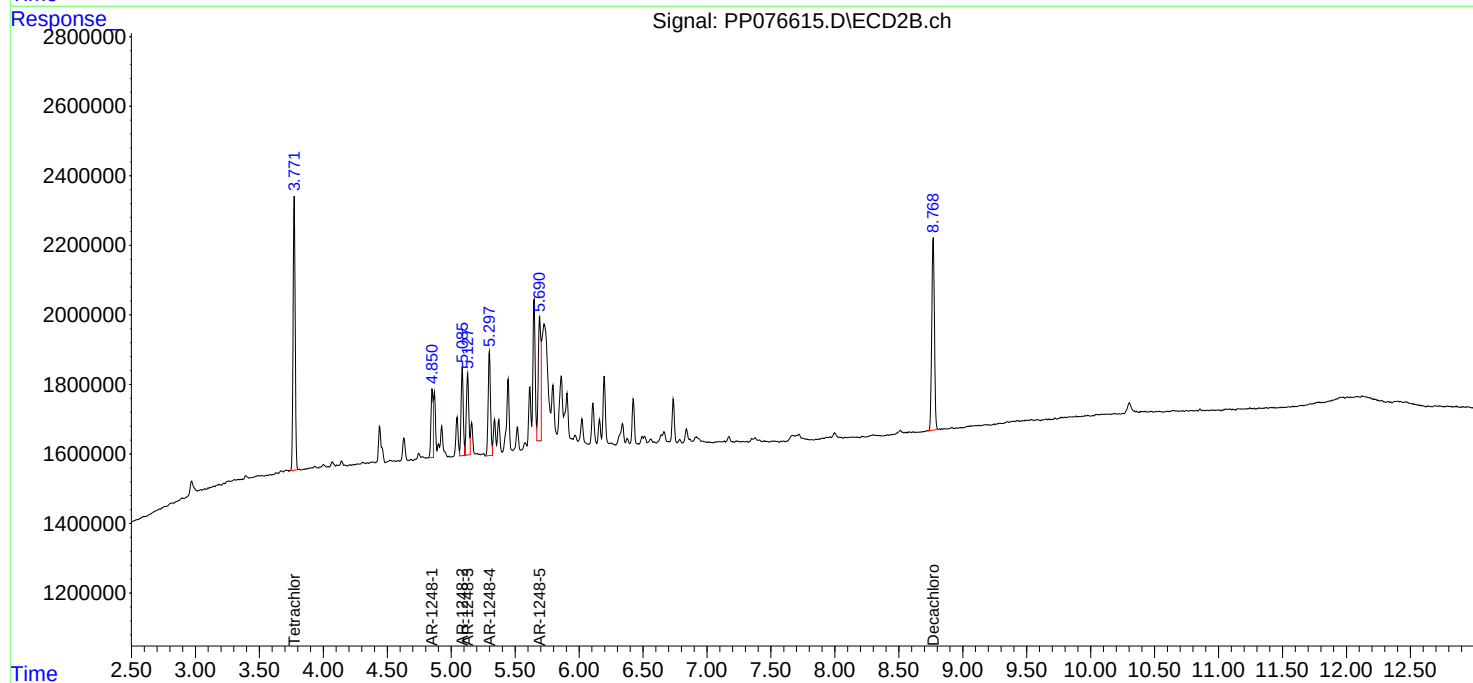
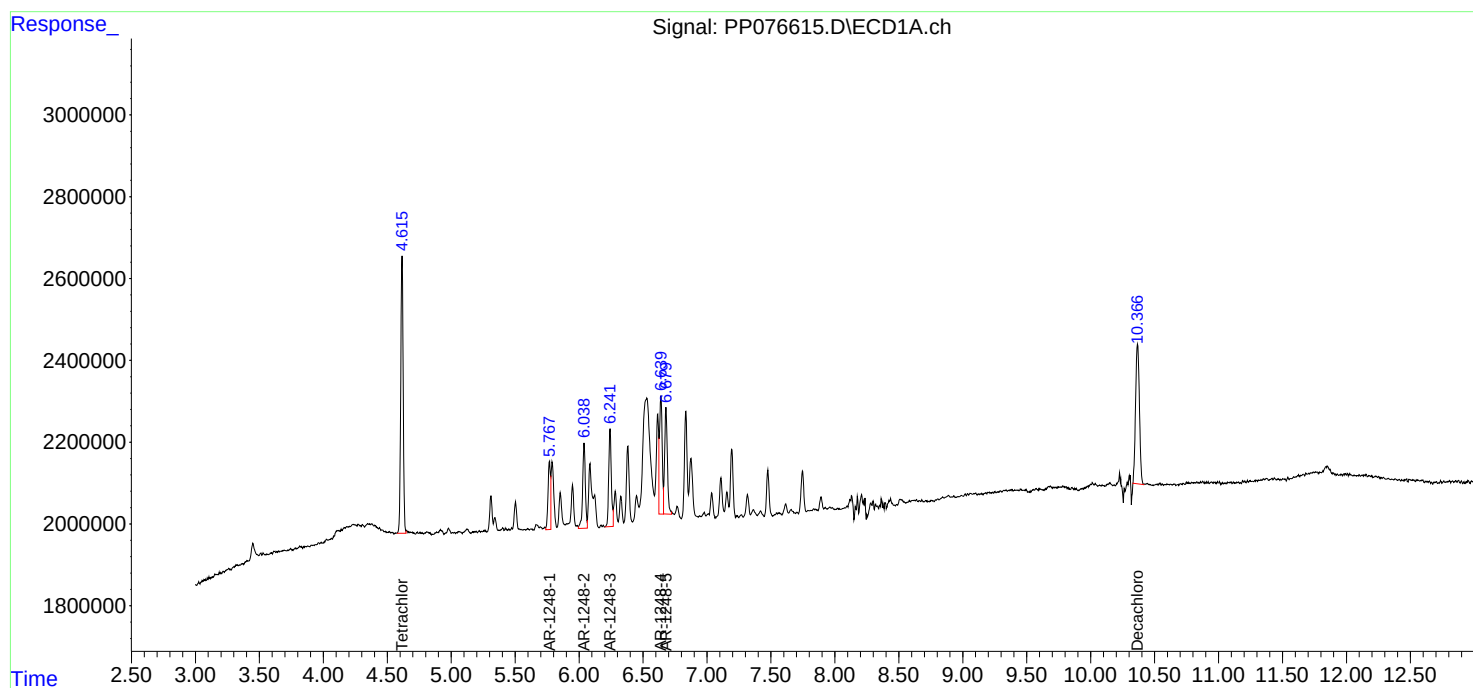
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

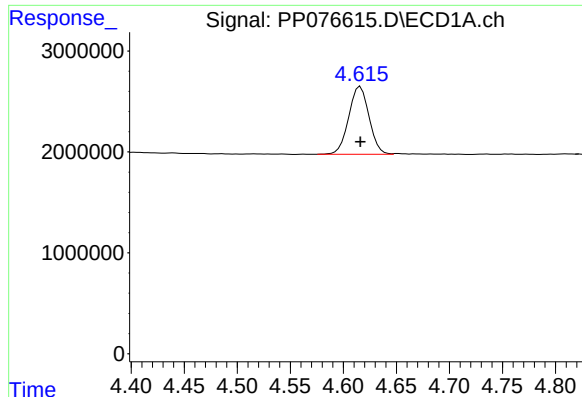
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 16:39:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 16:39:10 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





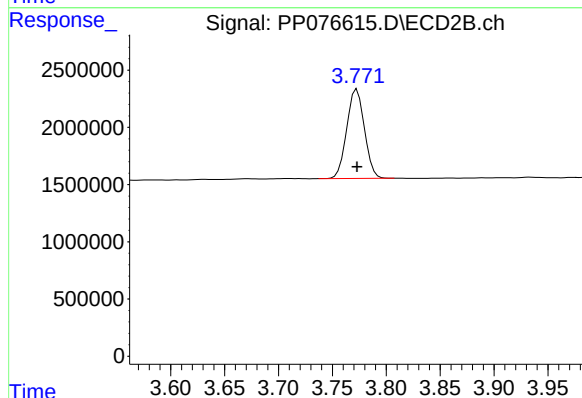
#1 Tetrachloro-m-xylene

R.T.: 4.616 min
Delta R.T.: 0.000 min
Response: 8926415
Conc: 5.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

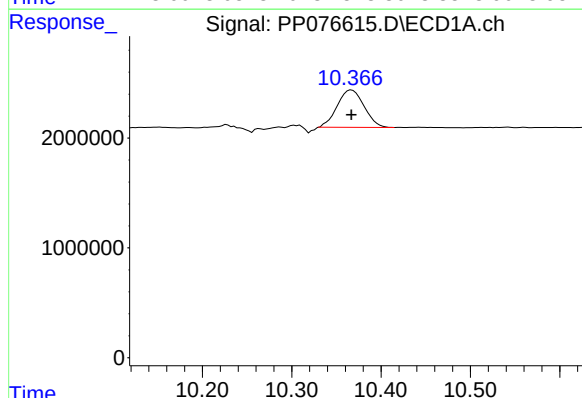
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



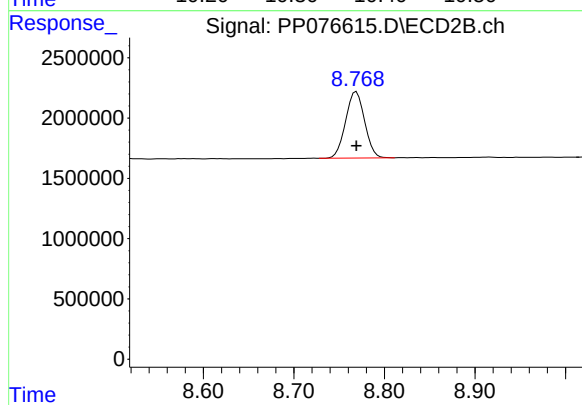
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 8933050
Conc: 4.59 ng/ml



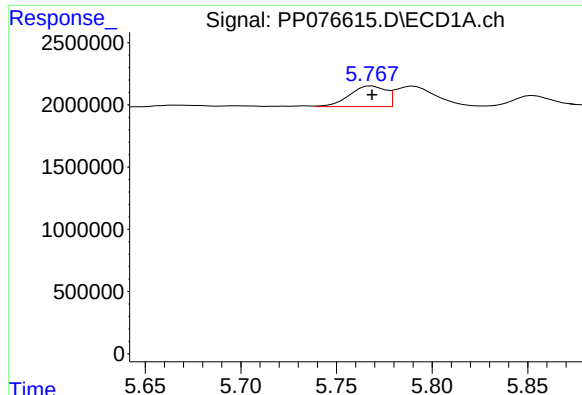
#2 Decachlorobiphenyl

R.T.: 10.366 min
Delta R.T.: -0.001 min
Response: 7118485
Conc: 5.29 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 8038748
Conc: 5.07 ng/ml



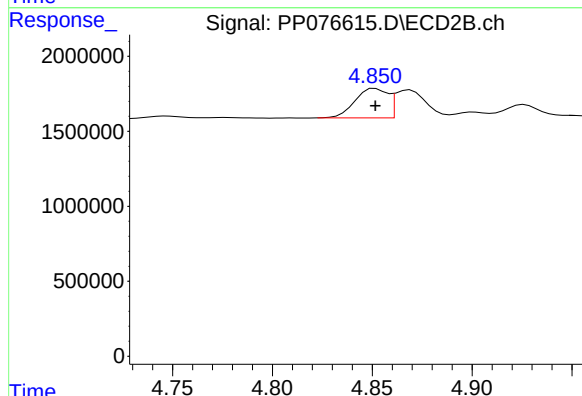
#21 AR-1248-1

R.T.: 5.769 min
Delta R.T.: 0.000 min
Response: 2156360
Conc: 53.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

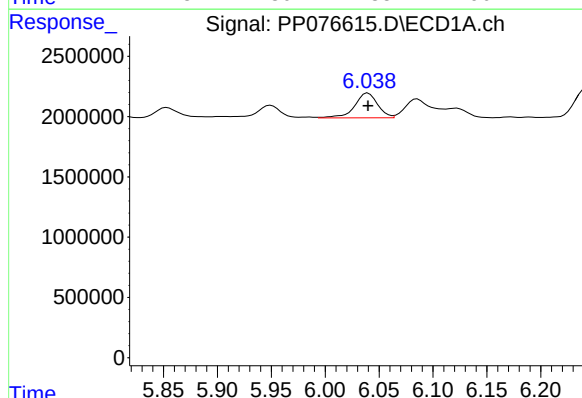
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



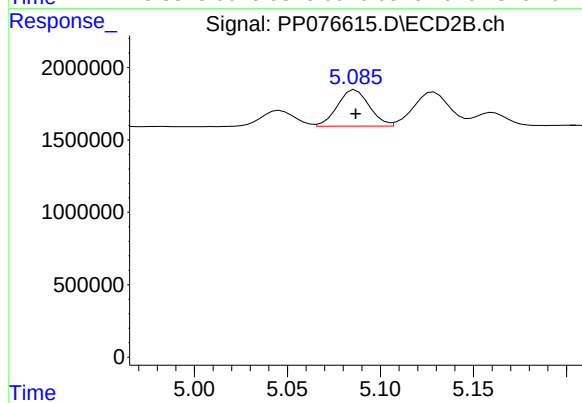
#21 AR-1248-1

R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 2238744
Conc: 50.79 ng/ml



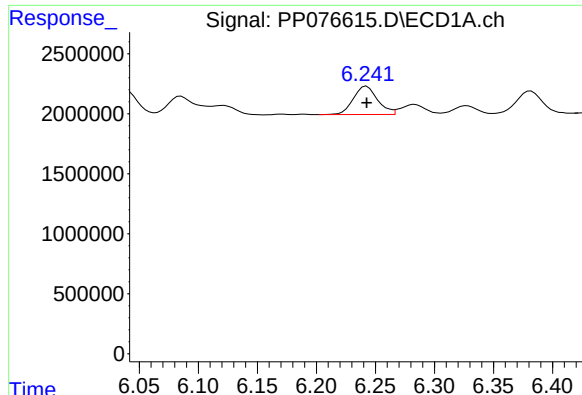
#22 AR-1248-2

R.T.: 6.040 min
Delta R.T.: 0.000 min
Response: 3057510
Conc: 54.22 ng/ml



#22 AR-1248-2

R.T.: 5.087 min
Delta R.T.: 0.000 min
Response: 2988863
Conc: 51.33 ng/ml



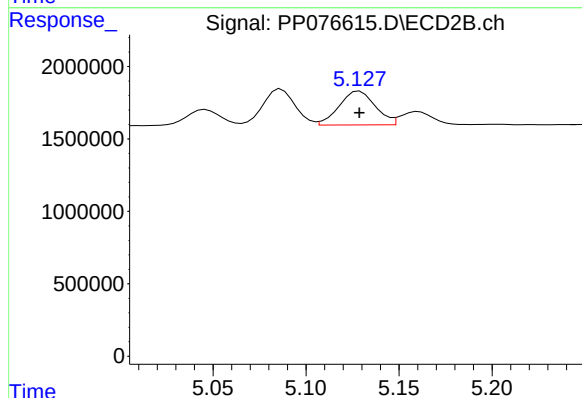
#23 AR-1248-3

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 3382089
Conc: 54.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

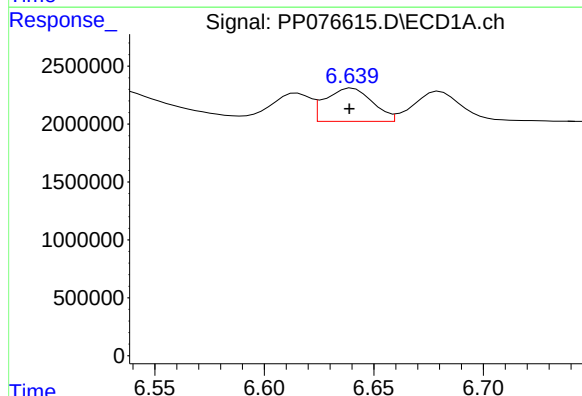
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



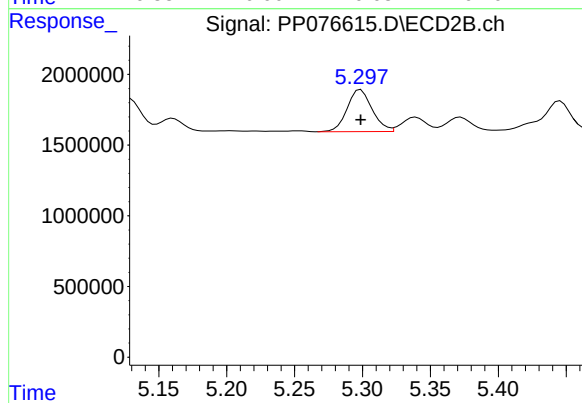
#23 AR-1248-3

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 3154670
Conc: 51.39 ng/ml



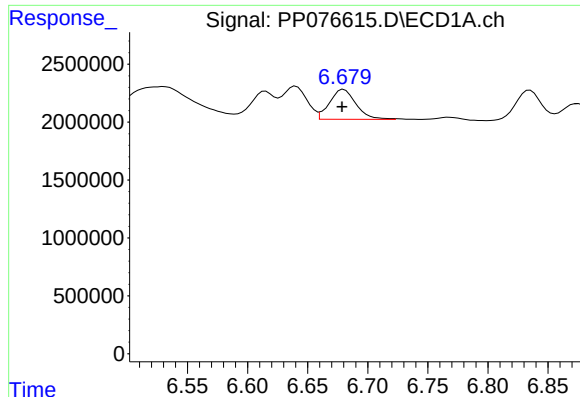
#24 AR-1248-4

R.T.: 6.639 min
Delta R.T.: 0.000 min
Response: 4242611
Conc: 57.66 ng/ml m



#24 AR-1248-4

R.T.: 5.299 min
Delta R.T.: 0.000 min
Response: 3816501
Conc: 52.15 ng/ml



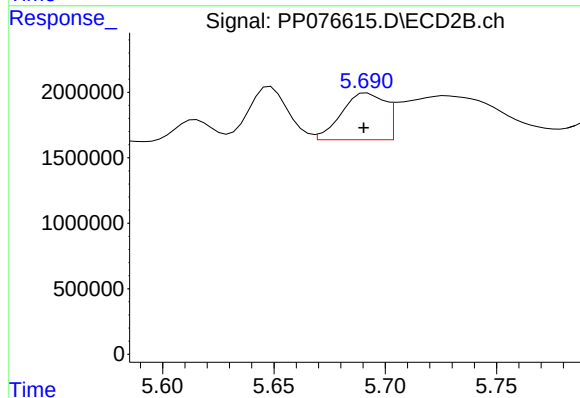
#25 AR-1248-5

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 3916860
Conc: 53.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
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Supervised By :mohammad ahmed 11/26/2025



#25 AR-1248-5

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 4964015
Conc: 57.41 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076616.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 16:38
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:08:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:05:21 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...	4.615	3.772	158.7E6	198.5E6	91.699	96.929
2) SA Decachlor...	10.366	8.767	127.1E6	154.2E6	88.727	93.318
Target Compounds						
26) L6 AR-1254-1	6.614	5.648	71656435	108.4E6	922.934m	927.413
27) L6 AR-1254-2	6.832	5.795	95196281	93680624	878.283	906.510
28) L6 AR-1254-3	7.194	6.196	102.4E6	152.8E6	889.270	936.840
29) L6 AR-1254-4	7.475	6.423	78180335	96670996	888.693	930.885
30) L6 AR-1254-5	7.890	6.839	84891224	131.5E6	910.462m	935.078

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 16:38
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

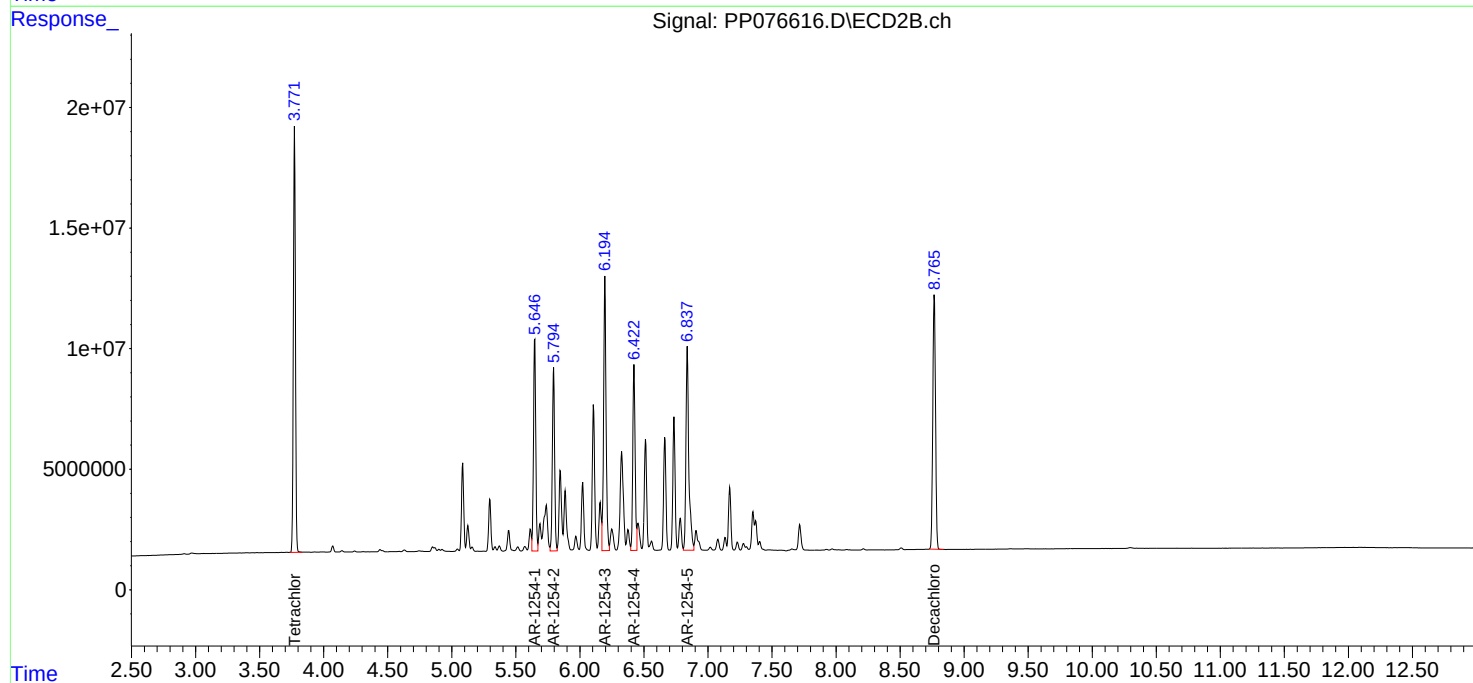
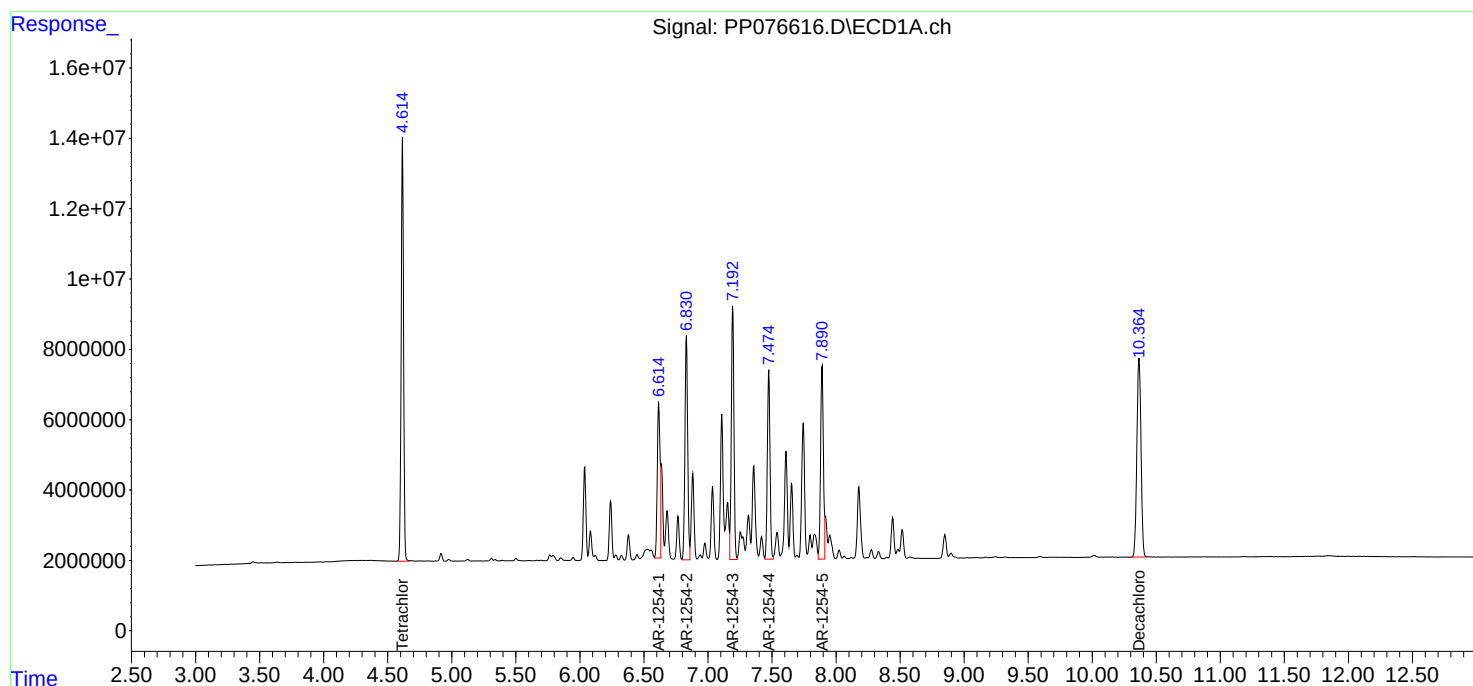
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

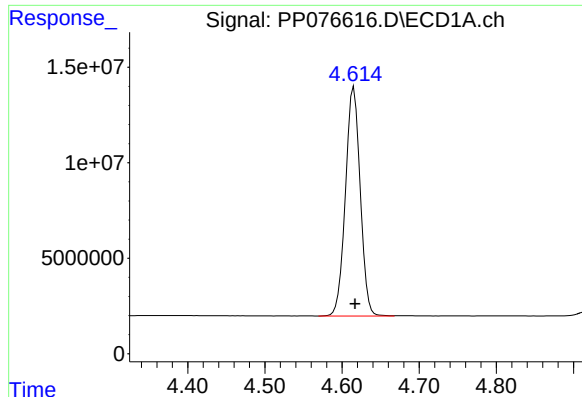
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:08:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:05:21 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





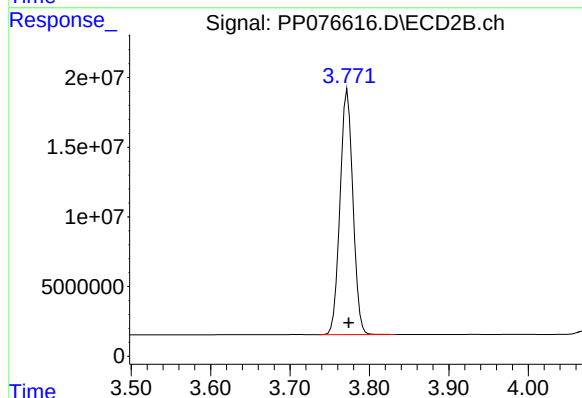
#1 Tetrachloro-m-xylene

R.T.: 4.615 min
Delta R.T.: -0.002 min
Response: 158746377
Conc: 91.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

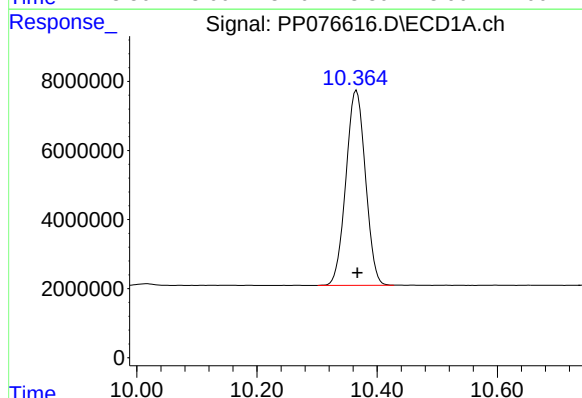
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



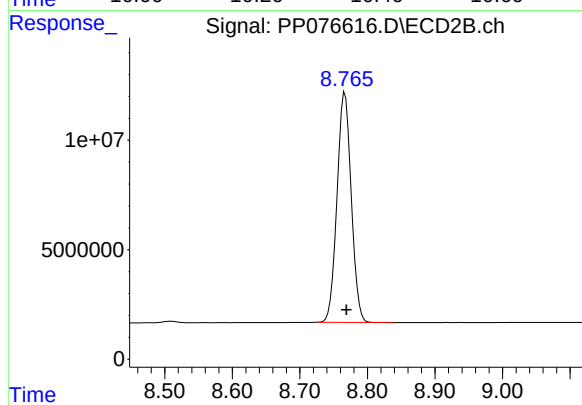
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: -0.002 min
Response: 198535760
Conc: 96.93 ng/ml



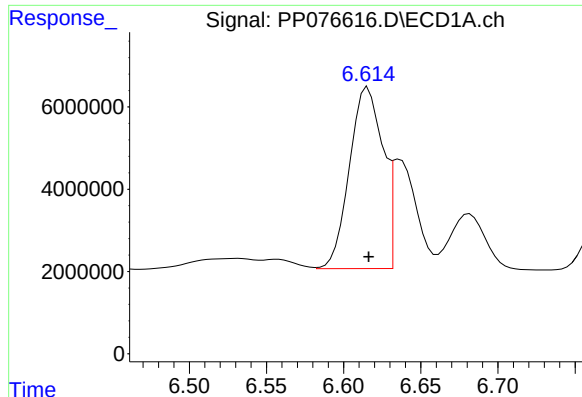
#2 Decachlorobiphenyl

R.T.: 10.366 min
Delta R.T.: -0.001 min
Response: 127137967
Conc: 88.73 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: -0.002 min
Response: 154173117
Conc: 93.32 ng/ml



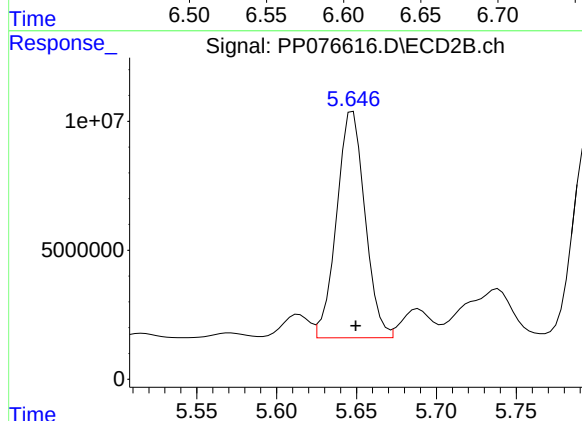
#26 AR-1254-1

R.T.: 6.614 min
Delta R.T.: -0.002 min
Response: 71656435
Conc: 922.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

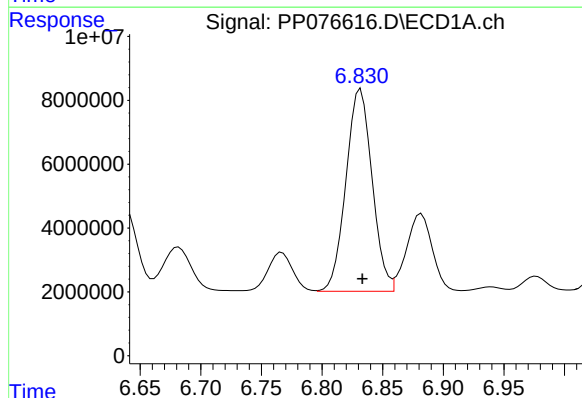
Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



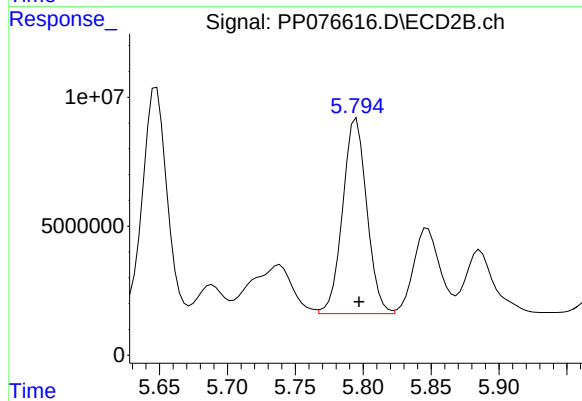
#26 AR-1254-1

R.T.: 5.648 min
Delta R.T.: -0.002 min
Response: 108376052
Conc: 927.41 ng/ml



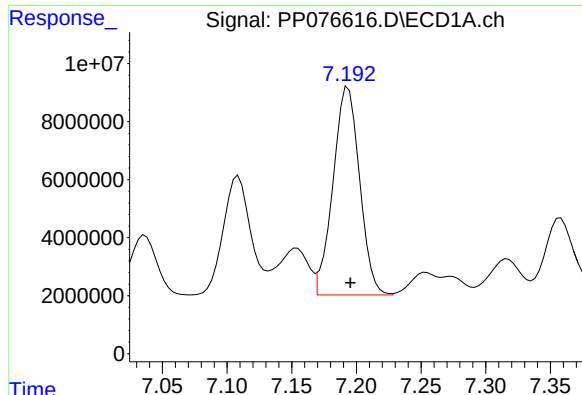
#27 AR-1254-2

R.T.: 6.832 min
Delta R.T.: -0.001 min
Response: 95196281
Conc: 878.28 ng/ml



#27 AR-1254-2

R.T.: 5.795 min
Delta R.T.: -0.002 min
Response: 93680624
Conc: 906.51 ng/ml



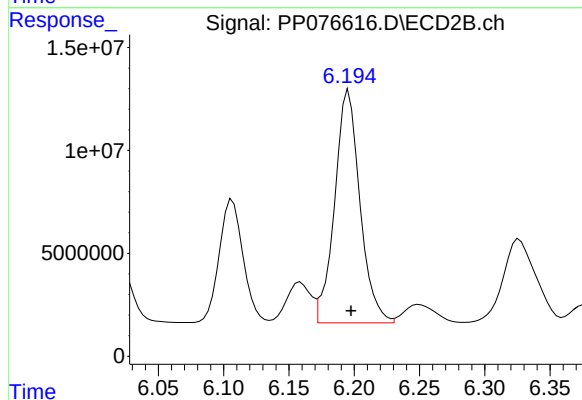
#28 AR-1254-3

R.T.: 7.194 min
Delta R.T.: -0.002 min
Response: 102399354
Conc: 889.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

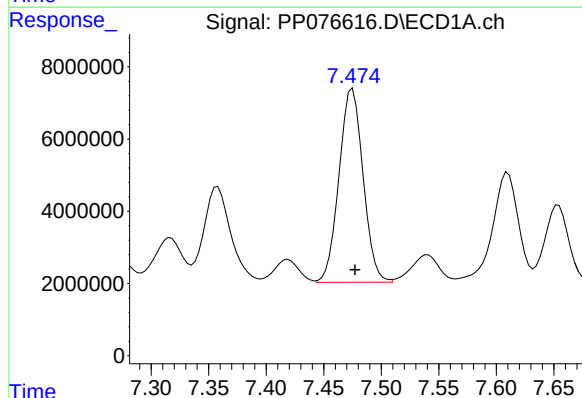
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



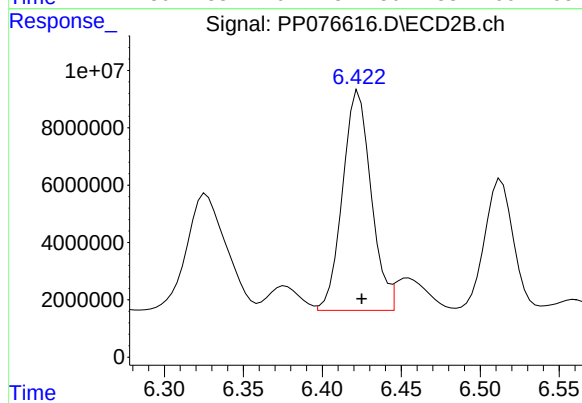
#28 AR-1254-3

R.T.: 6.196 min
Delta R.T.: -0.002 min
Response: 152849964
Conc: 936.84 ng/ml



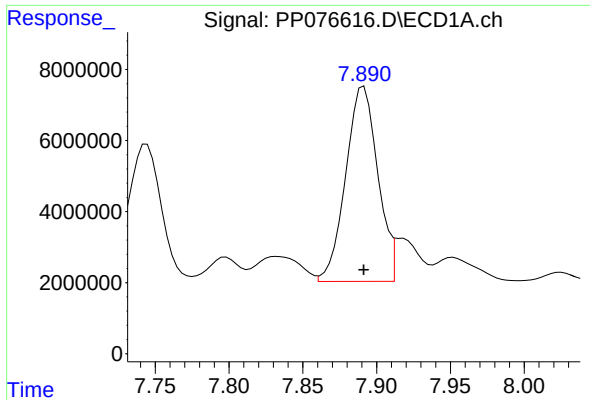
#29 AR-1254-4

R.T.: 7.475 min
Delta R.T.: -0.002 min
Response: 78180335
Conc: 888.69 ng/ml



#29 AR-1254-4

R.T.: 6.423 min
Delta R.T.: -0.002 min
Response: 96670996
Conc: 930.88 ng/ml



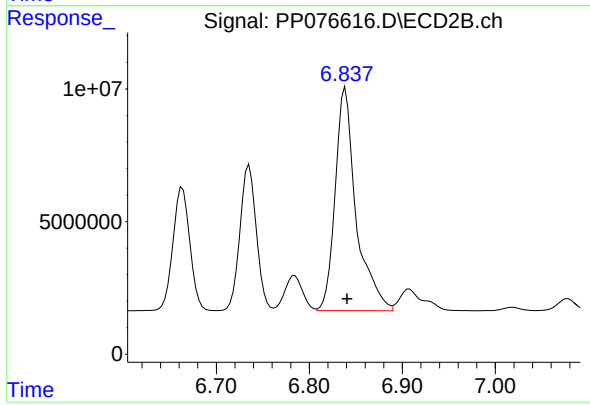
#30 AR-1254-5

R.T.: 7.890 min
Delta R.T.: -0.001 min
Response: 84891224
Conc: 910.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
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Supervised By :mohammad ahmed 11/26/2025



#30 AR-1254-5

R.T.: 6.839 min
Delta R.T.: -0.002 min
Response: 131464389
Conc: 935.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076617.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 16:55
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:09:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:05:21 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...	4.618	3.776	124.2E6	152.0E6	71.753	74.185
2) SA Decachlor...	10.369	8.771	101.5E6	120.3E6	70.863	72.823
Target Compounds						
26) L6 AR-1254-1	6.618	5.651	54821101	84112668	706.095m	719.783
27) L6 AR-1254-2	6.835	5.799	75355846	73333233	695.235	709.616
28) L6 AR-1254-3	7.197	6.199	80955912	118.1E6	703.048	723.935
29) L6 AR-1254-4	7.479	6.426	61613183	75311212	700.371	725.202
30) L6 AR-1254-5	7.893	6.842	66917808	102.0E6	717.697m	725.729

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 16:55
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

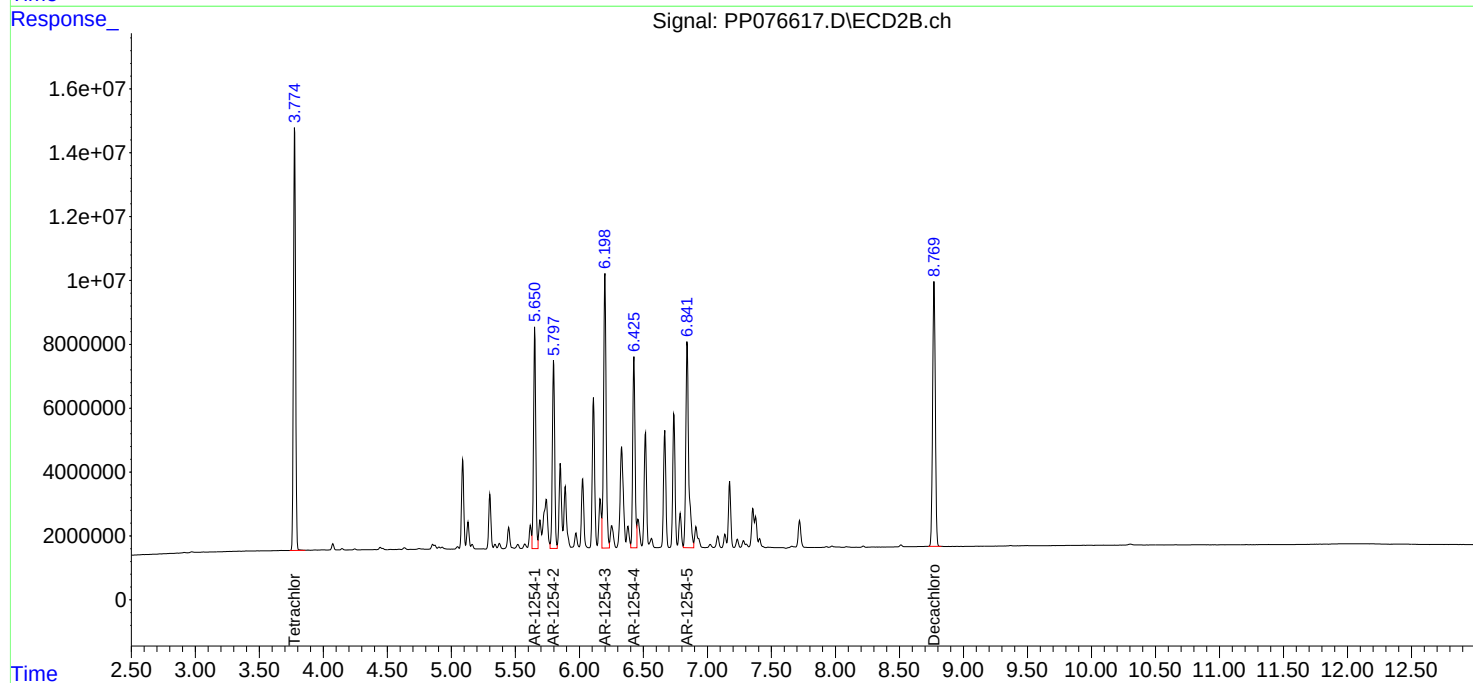
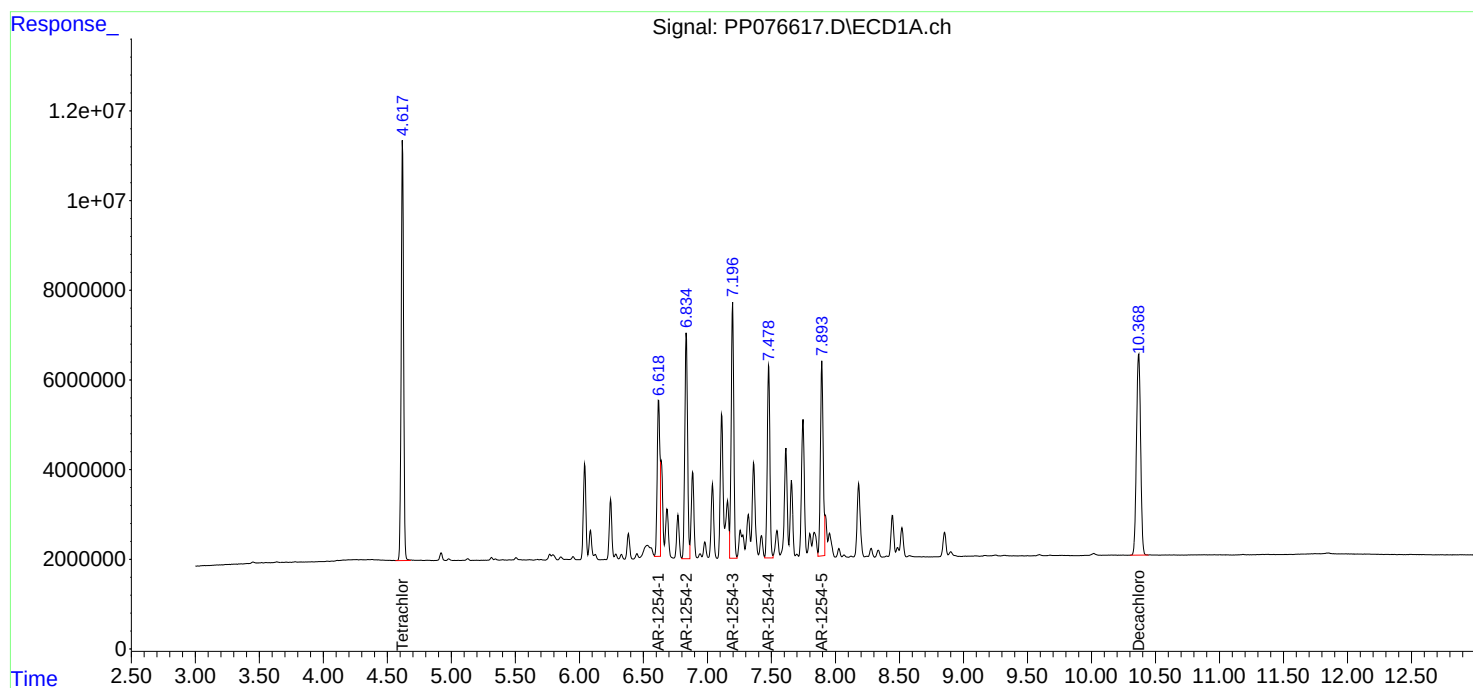
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

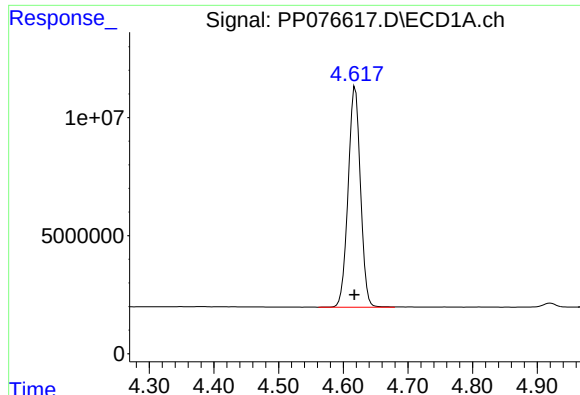
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:09:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:05:21 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





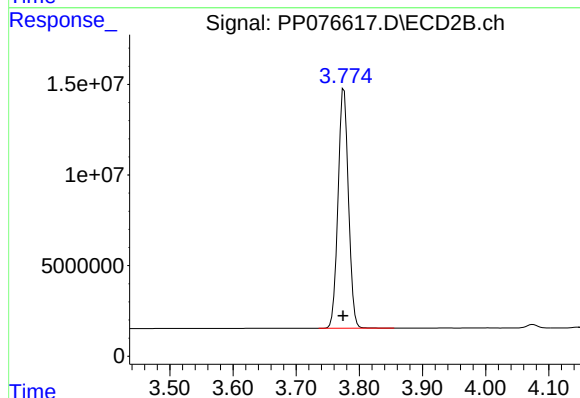
#1 Tetrachloro-m-xylene

R.T.: 4.618 min
Delta R.T.: 0.001 min
Response: 124216309
Conc: 71.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

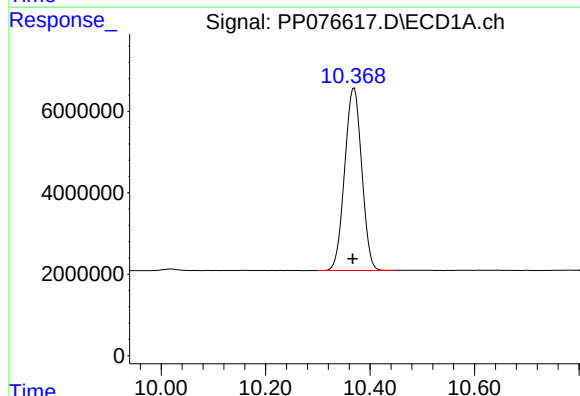
Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



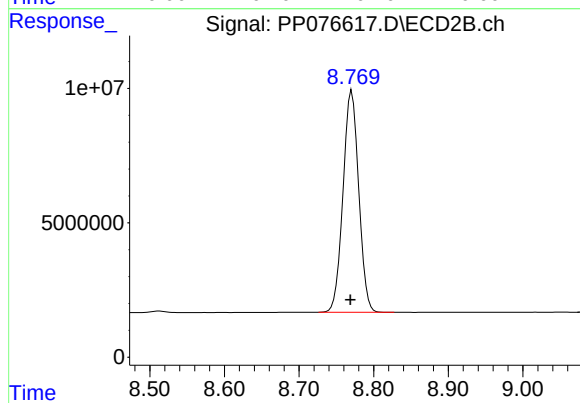
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: 0.002 min
Response: 151950676
Conc: 74.19 ng/ml



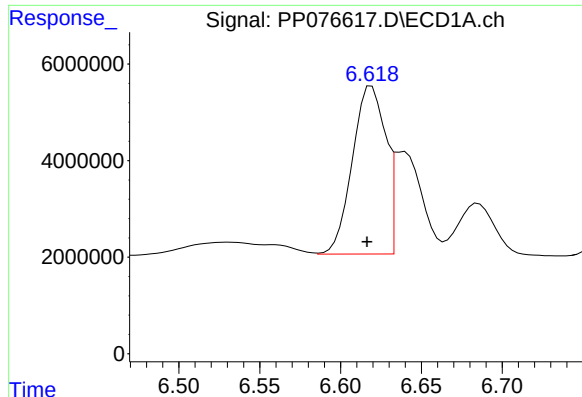
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.002 min
Response: 101540742
Conc: 70.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: 0.002 min
Response: 120312957
Conc: 72.82 ng/ml



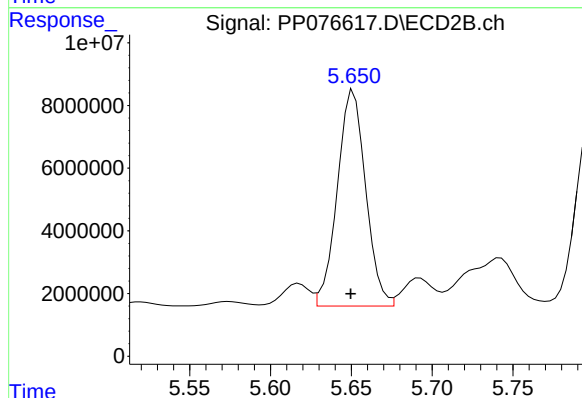
#26 AR-1254-1

R.T.: 6.618 min
Delta R.T.: 0.001 min
Response: 54821101
Conc: 706.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

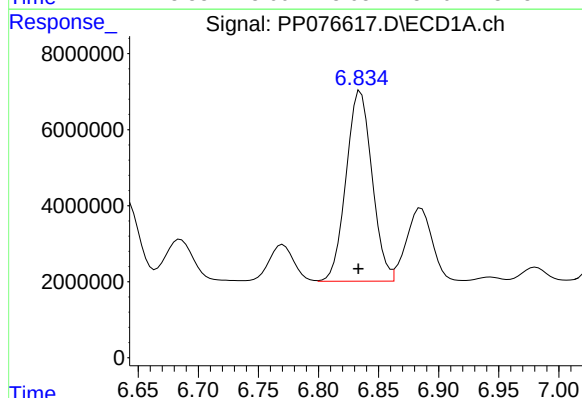
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



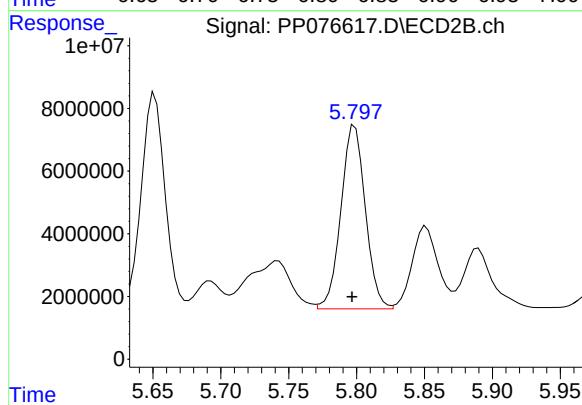
#26 AR-1254-1

R.T.: 5.651 min
Delta R.T.: 0.002 min
Response: 84112668
Conc: 719.78 ng/ml



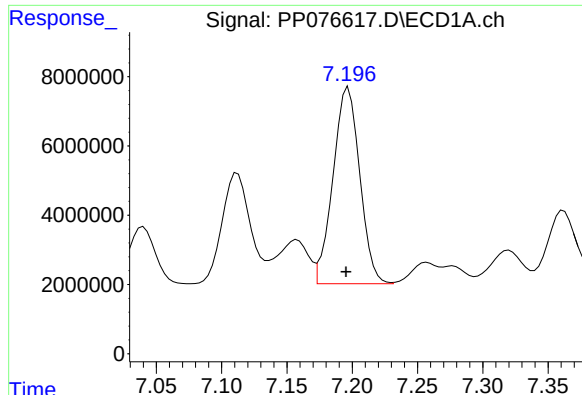
#27 AR-1254-2

R.T.: 6.835 min
Delta R.T.: 0.002 min
Response: 75355846
Conc: 695.23 ng/ml



#27 AR-1254-2

R.T.: 5.799 min
Delta R.T.: 0.002 min
Response: 73333233
Conc: 709.62 ng/ml



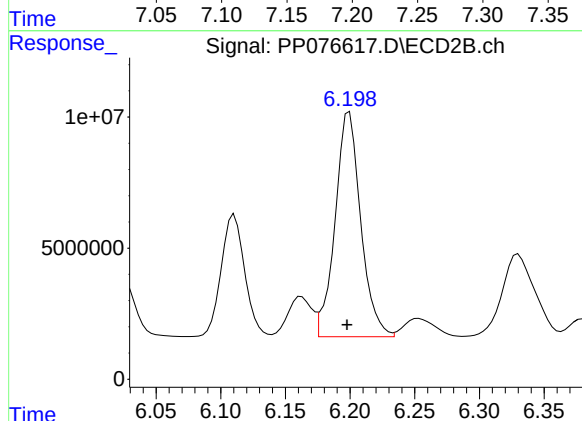
#28 AR-1254-3

R.T.: 7.197 min
Delta R.T.: 0.002 min
Response: 80955912
Conc: 703.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

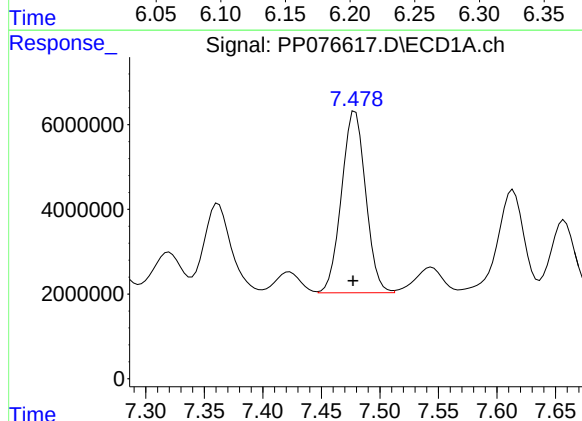
Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



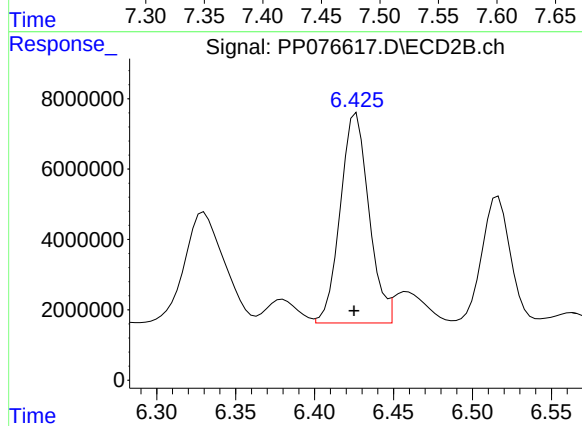
#28 AR-1254-3

R.T.: 6.199 min
Delta R.T.: 0.002 min
Response: 118113484
Conc: 723.93 ng/ml



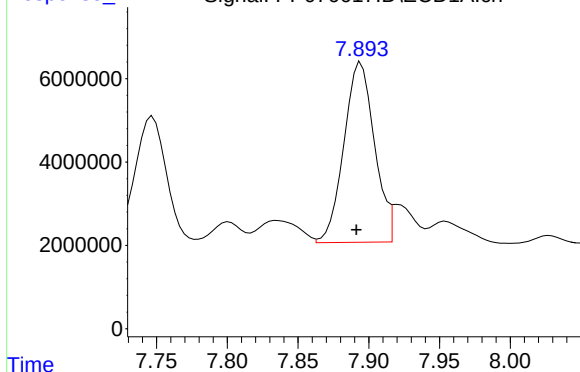
#29 AR-1254-4

R.T.: 7.479 min
Delta R.T.: 0.002 min
Response: 61613183
Conc: 700.37 ng/ml



#29 AR-1254-4

R.T.: 6.426 min
Delta R.T.: 0.002 min
Response: 75311212
Conc: 725.20 ng/ml



R.T.: 7.893 min
Delta R.T.: 0.002 min
Response: 66917808
Conc: 717.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations
APPROVED

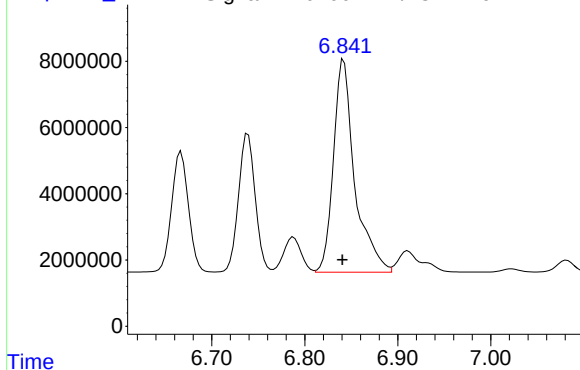
Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Time

Response_

Signal: PP076617.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.842 min
Delta R.T.: 0.001 min
Response: 102031656
Conc: 725.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076618.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 17:11
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:09:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:05:21 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...	4.617	3.774	86558628	102.4E6	50.000	50.000
2) SA Decachlor...	10.367	8.769	71645729	82606306	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.616	5.650	38419799	58429202	494.846m	500.000
27) L6 AR-1254-2	6.833	5.797	54194535	51671038	500.000	500.000
28) L6 AR-1254-3	7.195	6.198	57574950	81577453	500.000	500.000
29) L6 AR-1254-4	7.477	6.425	43986115	51924268	500.000	500.000
30) L6 AR-1254-5	7.891	6.841	47177732	70295928	505.983m	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 17:11
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

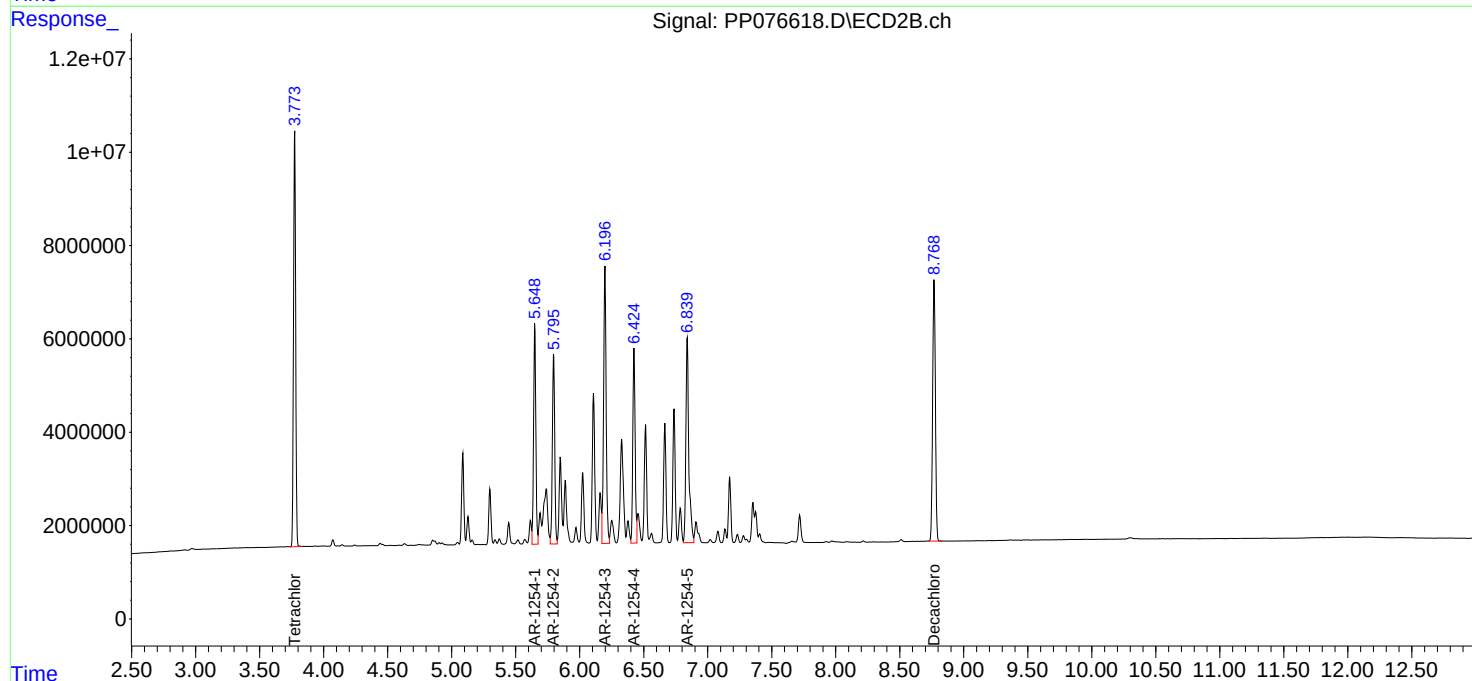
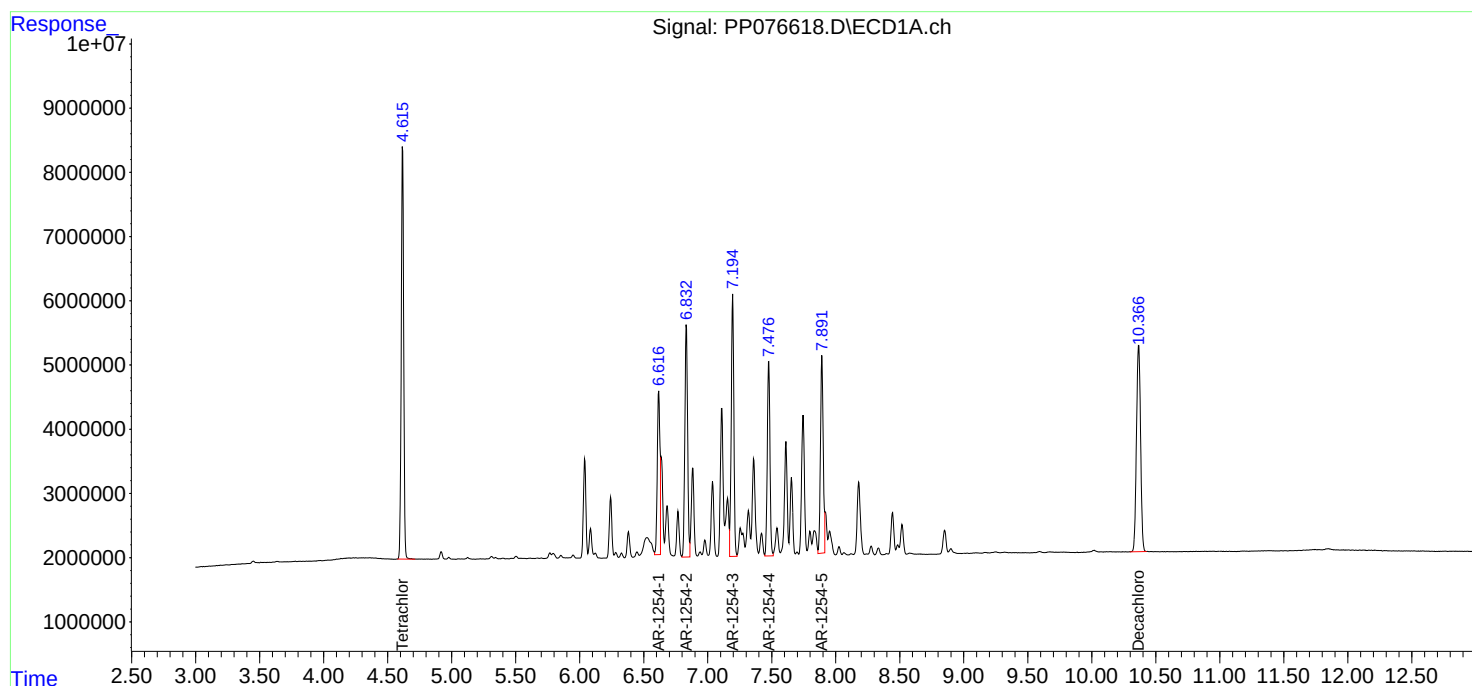
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

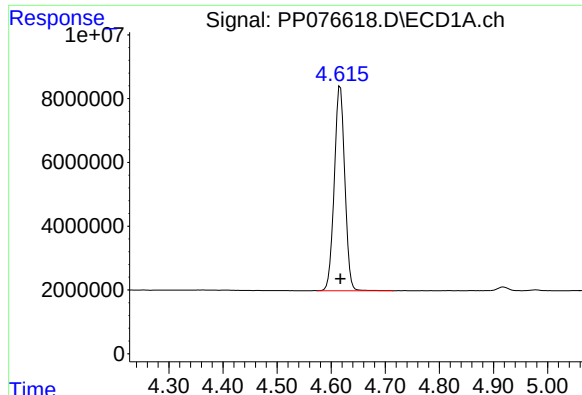
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:09:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:05:21 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





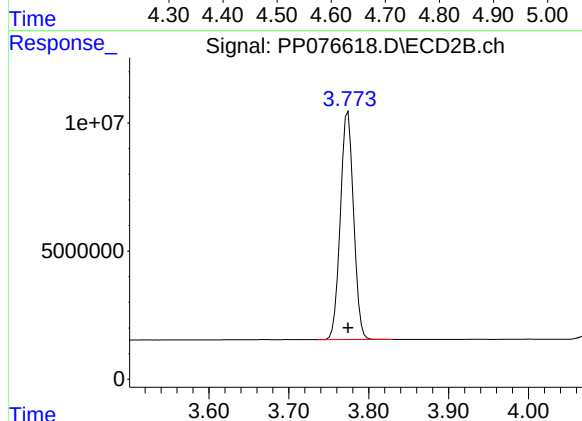
#1 Tetrachloro-m-xylene

R.T.: 4.617 min
Delta R.T.: 0.000 min
Response: 86558628
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

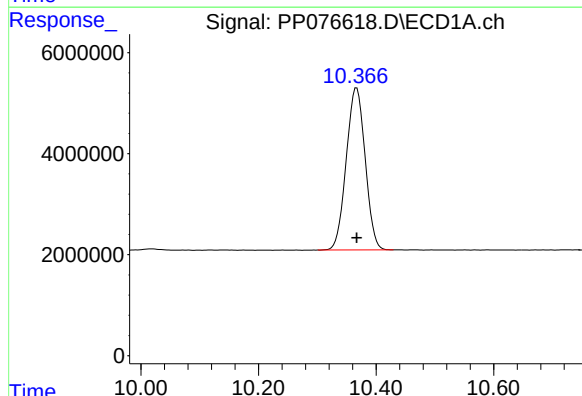
Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



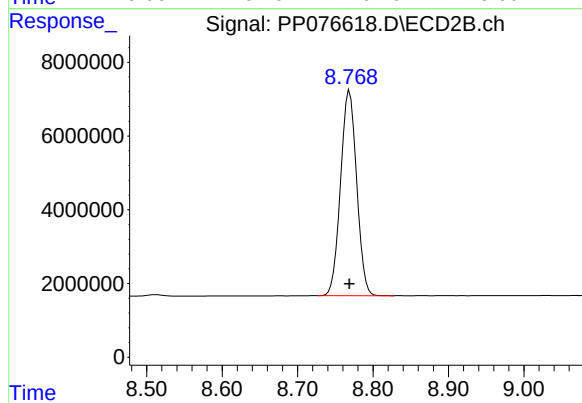
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: 0.000 min
Response: 102413294
Conc: 50.00 ng/ml



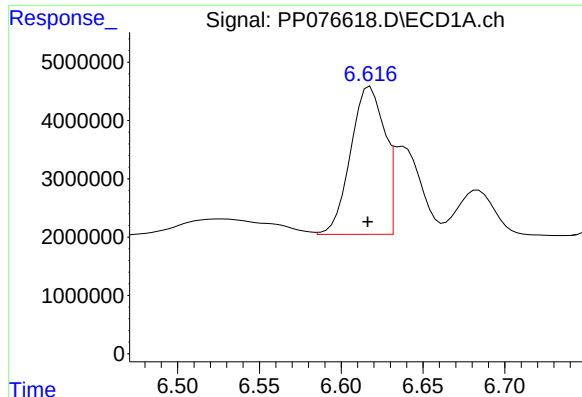
#2 Decachlorobiphenyl

R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 71645729
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 82606306
Conc: 50.00 ng/ml



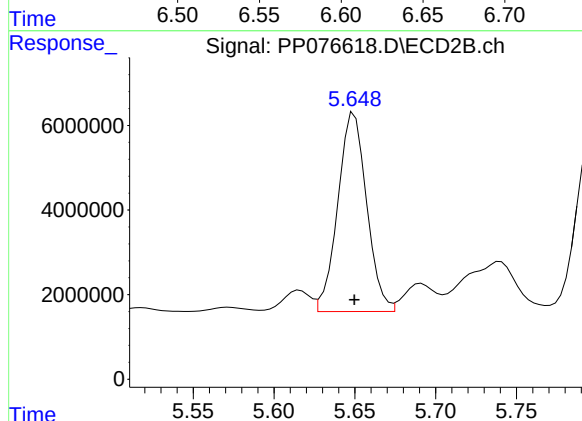
#26 AR-1254-1

R.T.: 6.616 min
Delta R.T.: 0.000 min
Response: 38419799
Conc: 494.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

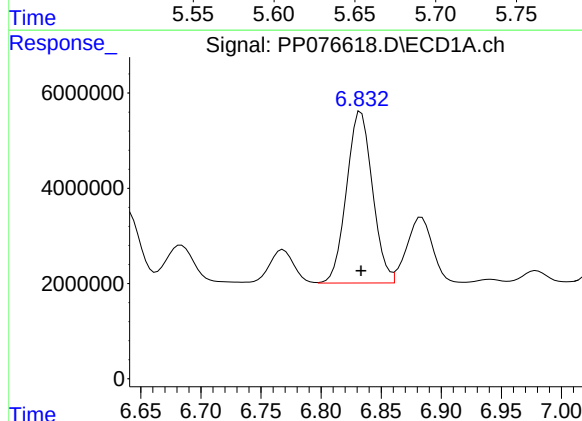
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



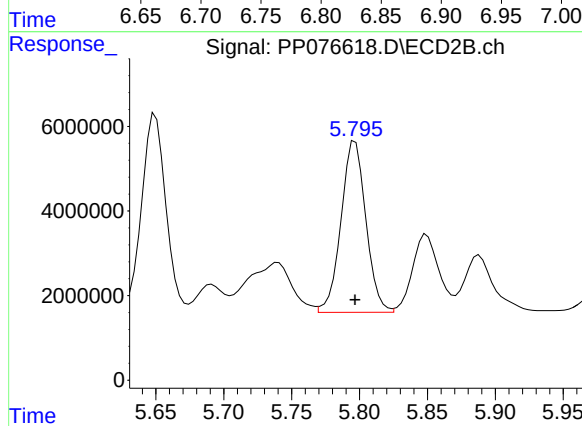
#26 AR-1254-1

R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 58429202
Conc: 500.00 ng/ml



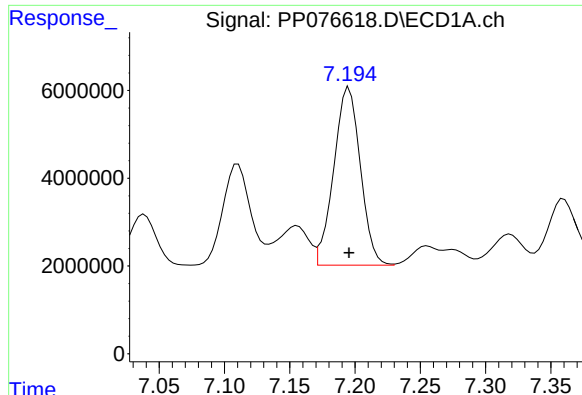
#27 AR-1254-2

R.T.: 6.833 min
Delta R.T.: 0.000 min
Response: 54194535
Conc: 500.00 ng/ml



#27 AR-1254-2

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 51671038
Conc: 500.00 ng/ml



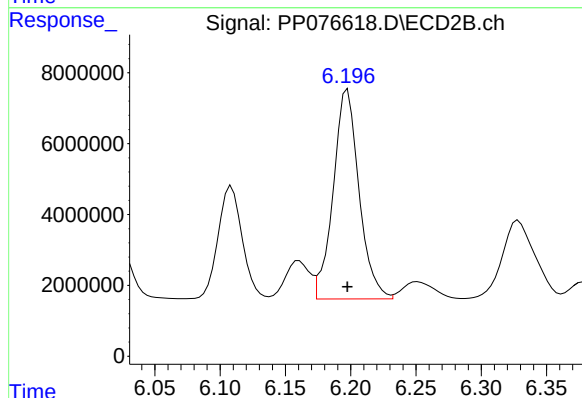
#28 AR-1254-3

R.T.: 7.195 min
Delta R.T.: 0.000 min
Response: 57574950
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

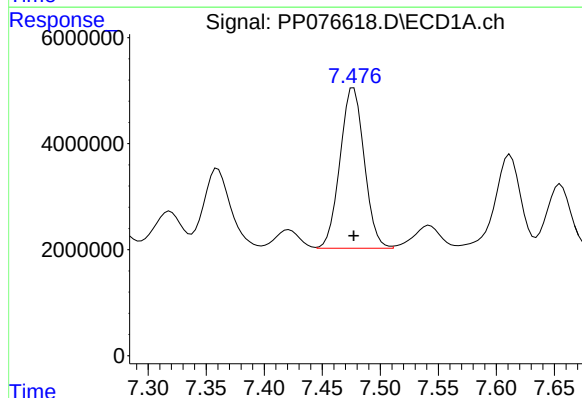
Manual Integrations
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Supervised By :mohammad ahmed 11/26/2025



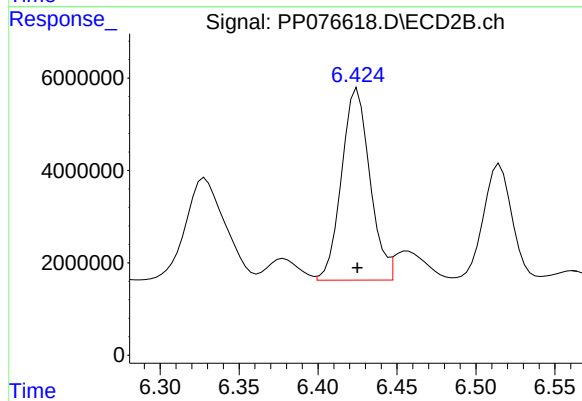
#28 AR-1254-3

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 81577453
Conc: 500.00 ng/ml



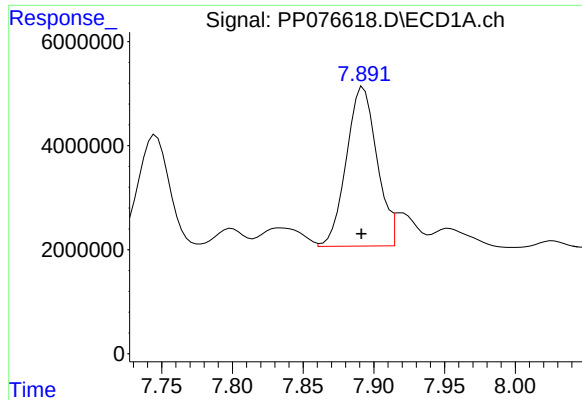
#29 AR-1254-4

R.T.: 7.477 min
Delta R.T.: 0.000 min
Response: 43986115
Conc: 500.00 ng/ml



#29 AR-1254-4

R.T.: 6.425 min
Delta R.T.: 0.000 min
Response: 51924268
Conc: 500.00 ng/ml



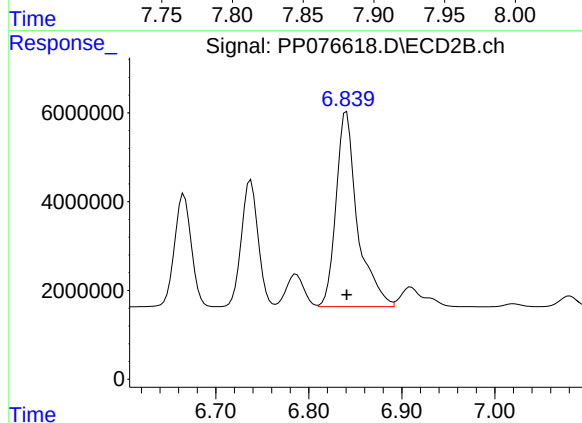
#30 AR-1254-5

R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 47177732
Conc: 505.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations
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Supervised By :mohammad ahmed 11/26/2025



#30 AR-1254-5

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 70295928
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076619.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 17:28
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:09:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:05:21 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...	4.614	3.771	45784856	51021074	26.447	24.909
2) SA Decachlor...	10.364	8.766	39451068	43478926	27.532	26.317
Target Compounds						
26) L6 AR-1254-1	6.613	5.647	20979062	30728557	270.210m	262.955
27) L6 AR-1254-2	6.831	5.795	29904185	27995910	275.897	270.905
28) L6 AR-1254-3	7.193	6.195	31642699	42119020	274.796	258.154
29) L6 AR-1254-4	7.474	6.423	24064442	26973588	273.546	259.740
30) L6 AR-1254-5	7.889	6.838	24786296	36481265	265.834m	259.483

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 17:28
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

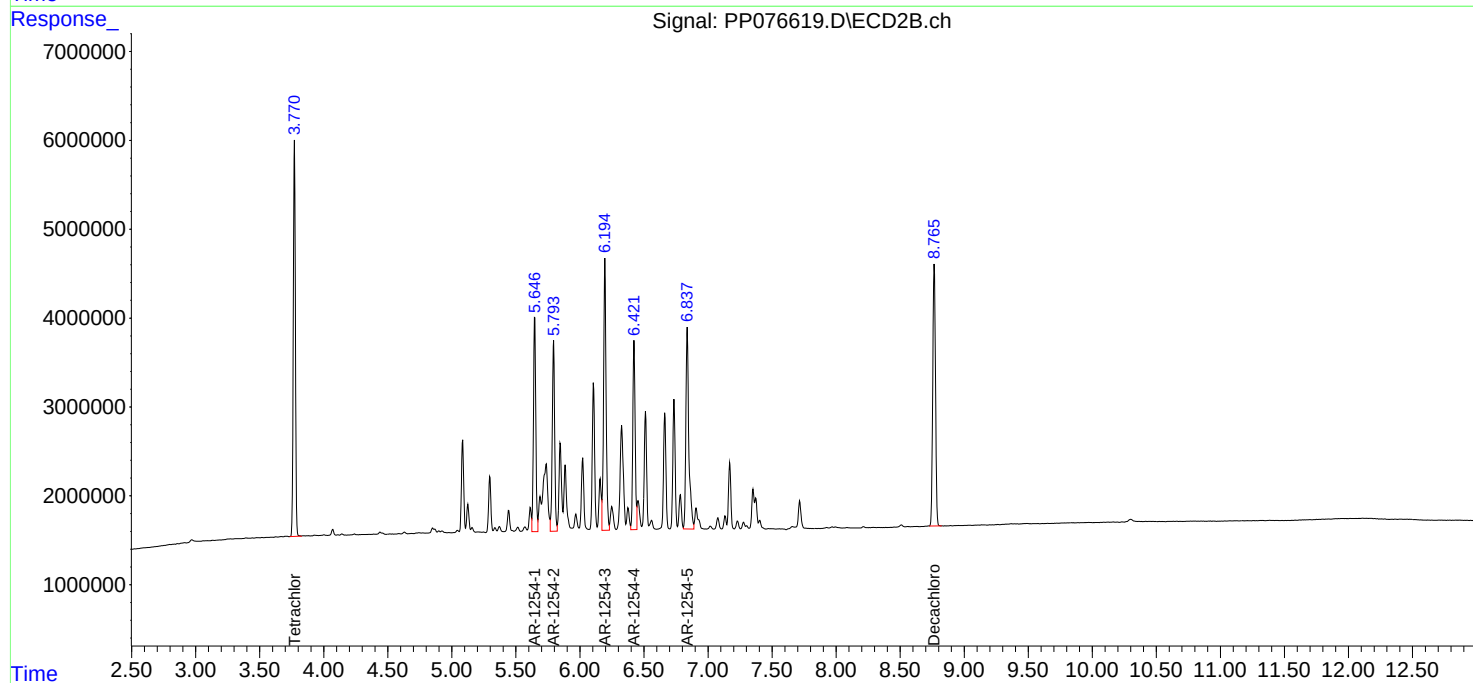
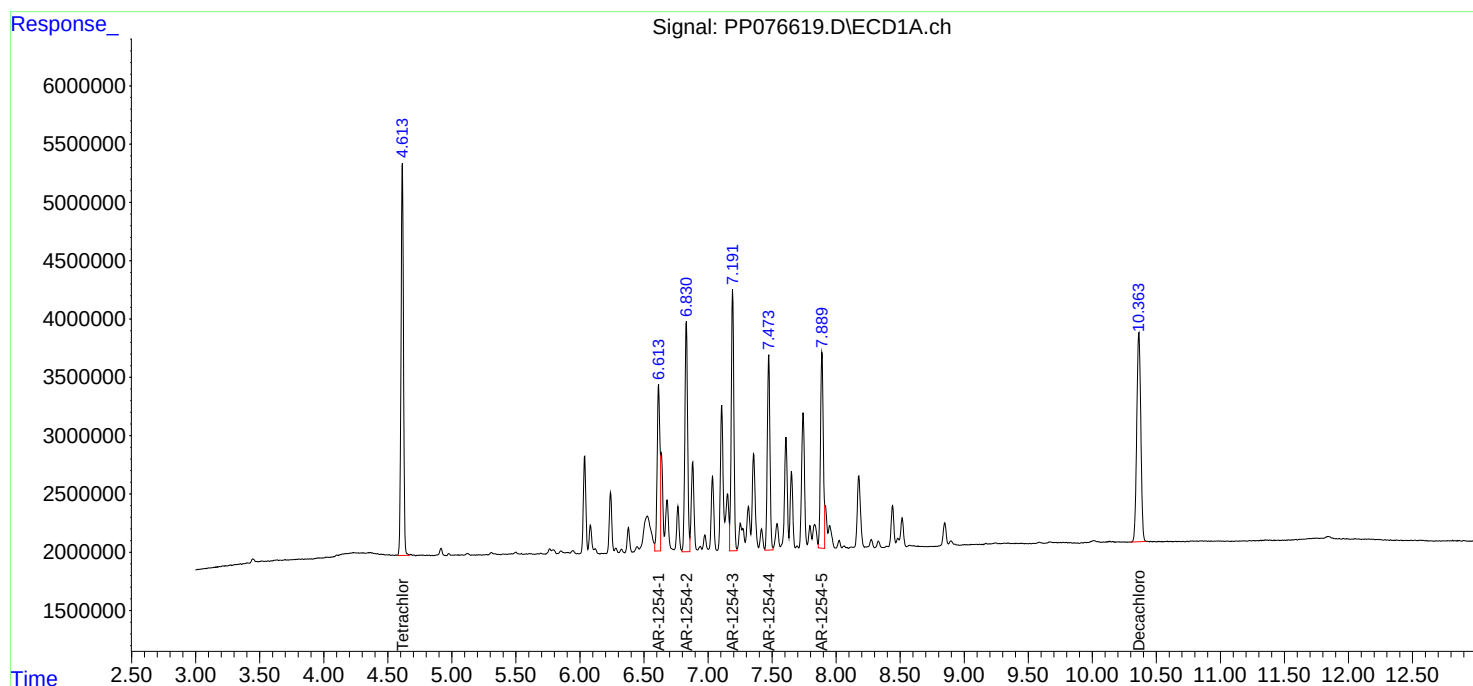
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations
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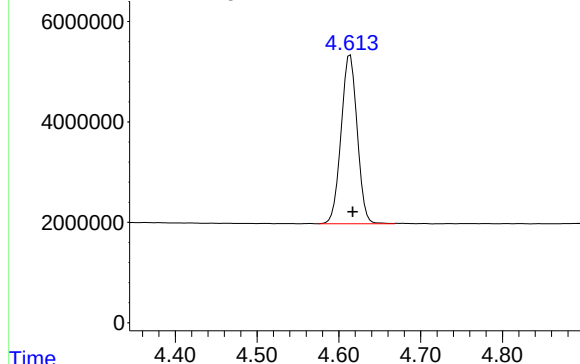
Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:09:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:05:21 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



Response_ Signal: PP076619.D\ECD1A.ch



#1 Tetrachloro-m-xylene

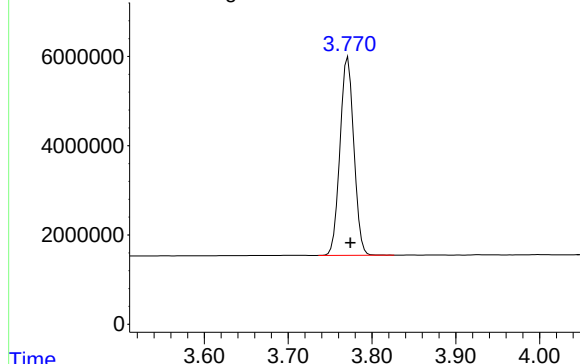
R.T.: 4.614 min
Delta R.T.: -0.003 min
Response: 45784856
Conc: 26.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

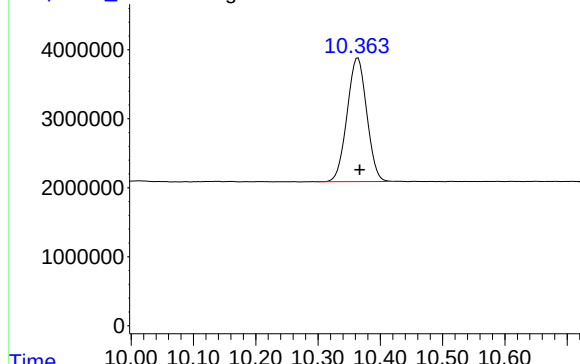
Time Response_ Signal: PP076619.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.771 min
Delta R.T.: -0.003 min
Response: 51021074
Conc: 24.91 ng/ml

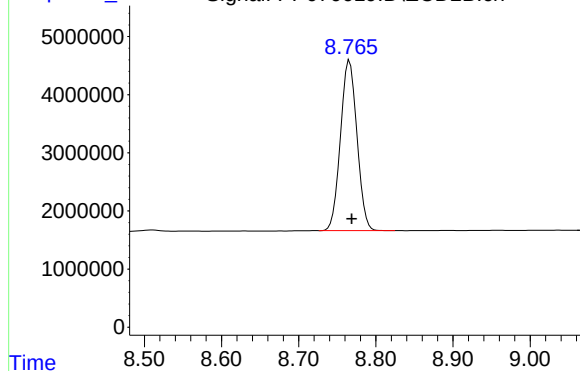
Time Response_ Signal: PP076619.D\ECD1A.ch



#2 Decachlorobiphenyl

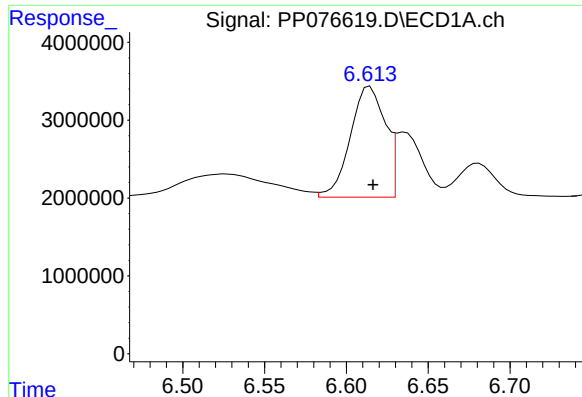
R.T.: 10.364 min
Delta R.T.: -0.003 min
Response: 39451068
Conc: 27.53 ng/ml

Time Response_ Signal: PP076619.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.003 min
Response: 43478926
Conc: 26.32 ng/ml



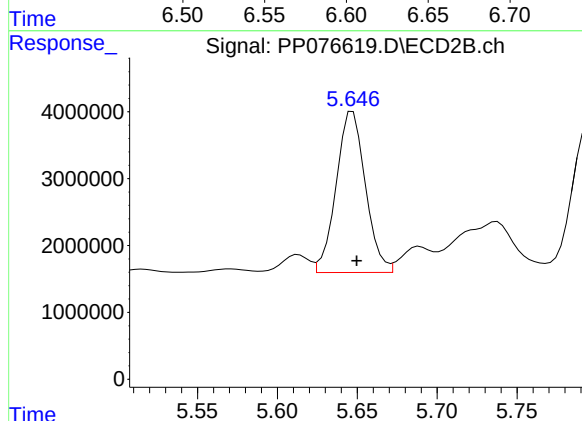
#26 AR-1254-1

R.T.: 6.613 min
Delta R.T.: -0.003 min
Response: 20979062
Conc: 270.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

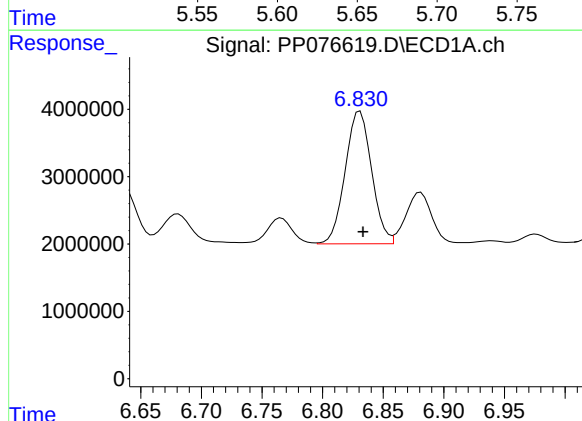
Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



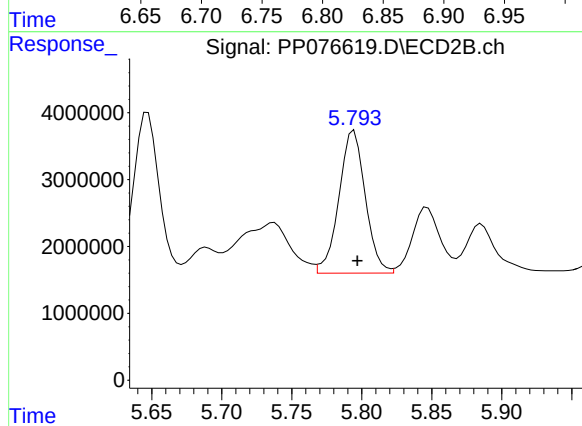
#26 AR-1254-1

R.T.: 5.647 min
Delta R.T.: -0.002 min
Response: 30728557
Conc: 262.96 ng/ml



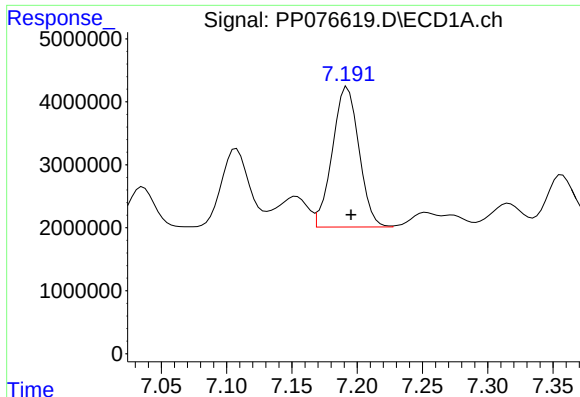
#27 AR-1254-2

R.T.: 6.831 min
Delta R.T.: -0.002 min
Response: 29904185
Conc: 275.90 ng/ml



#27 AR-1254-2

R.T.: 5.795 min
Delta R.T.: -0.002 min
Response: 27995910
Conc: 270.91 ng/ml



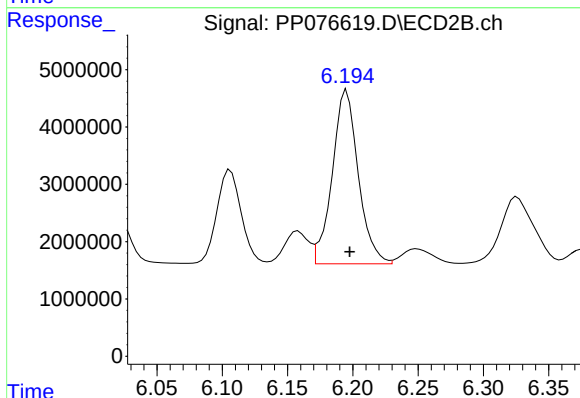
#28 AR-1254-3

R.T.: 7.193 min
Delta R.T.: -0.003 min
Response: 31642699
Conc: 274.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

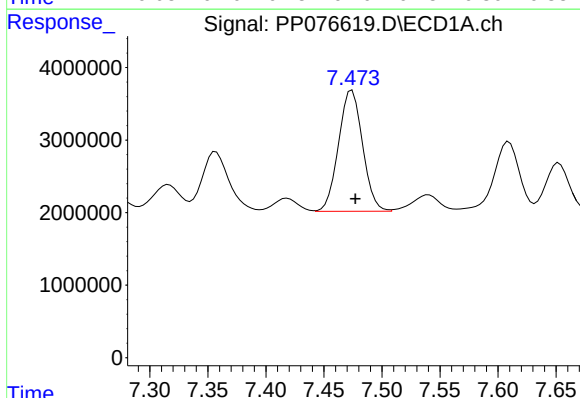
Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



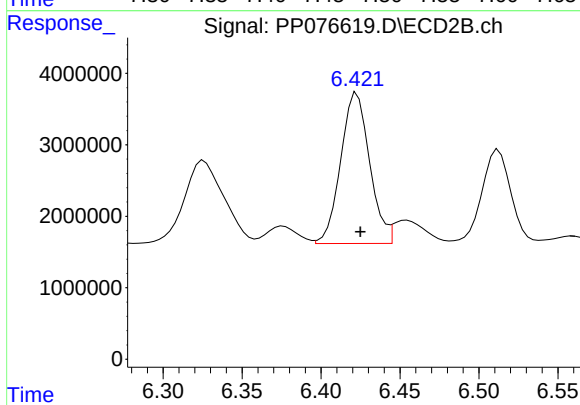
#28 AR-1254-3

R.T.: 6.195 min
Delta R.T.: -0.002 min
Response: 42119020
Conc: 258.15 ng/ml



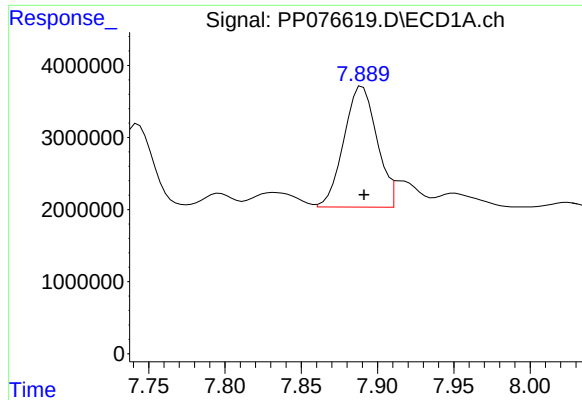
#29 AR-1254-4

R.T.: 7.474 min
Delta R.T.: -0.003 min
Response: 24064442
Conc: 273.55 ng/ml



#29 AR-1254-4

R.T.: 6.423 min
Delta R.T.: -0.002 min
Response: 26973588
Conc: 259.74 ng/ml



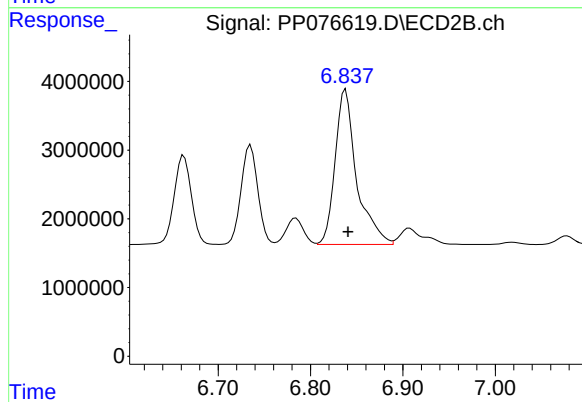
#30 AR-1254-5

R.T.: 7.889 min
Delta R.T.: -0.003 min
Response: 24786296
Conc: 265.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations
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Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#30 AR-1254-5

R.T.: 6.838 min
Delta R.T.: -0.003 min
Response: 36481265
Conc: 259.48 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076620.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 17:44
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:10:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:05:21 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...	4.618	3.776	9890944	9833335	5.713	4.801
2) SA Decachlor...	10.369	8.771	8468852	9084187	5.910	5.498
Target Compounds						
26) L6 AR-1254-1	6.617	5.651	4779412	6545312	61.559m	56.011m
27) L6 AR-1254-2	6.835	5.798	6998031	6691878	64.564	64.755m
28) L6 AR-1254-3	7.197	6.200	7433224	8948489	64.553	54.847
29) L6 AR-1254-4	7.479	6.427	5301490	5506776	60.263	53.027
30) L6 AR-1254-5	7.893	6.843	5817827	7492427	62.396m	53.292

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 17:44
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

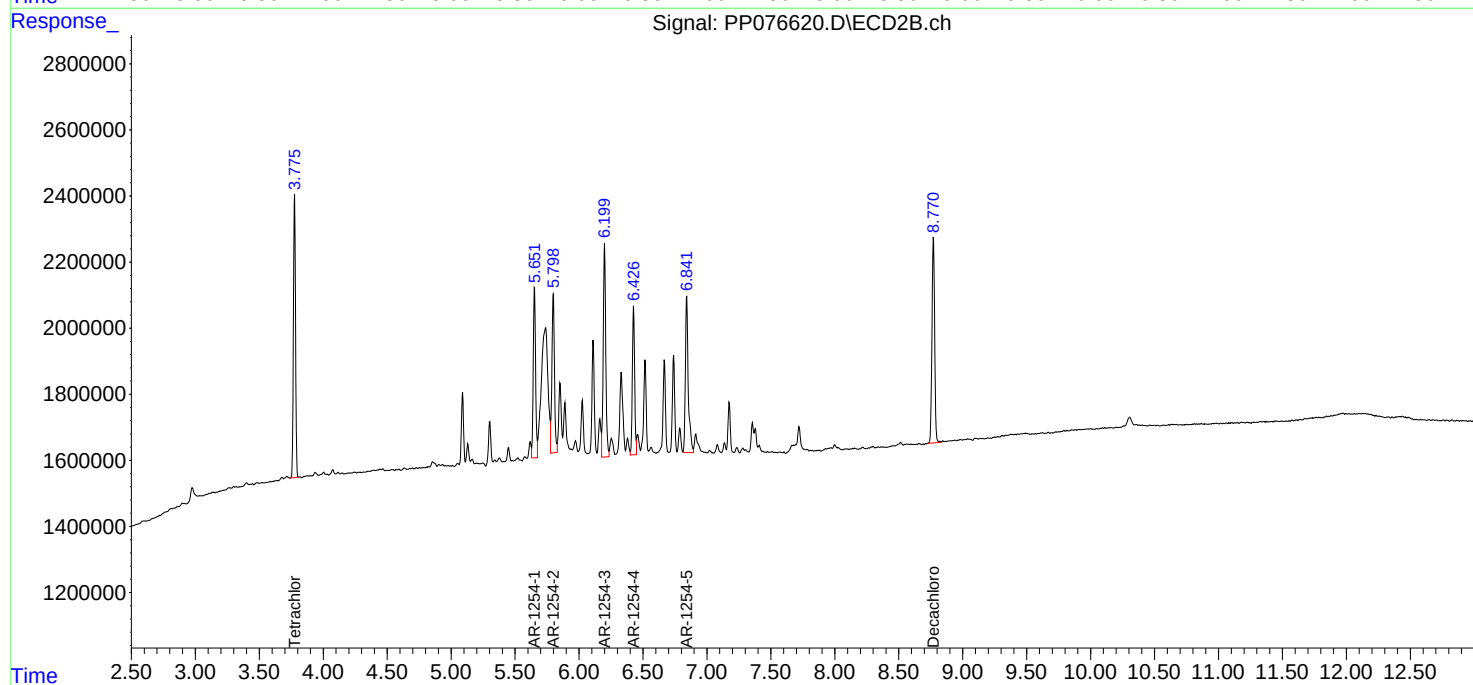
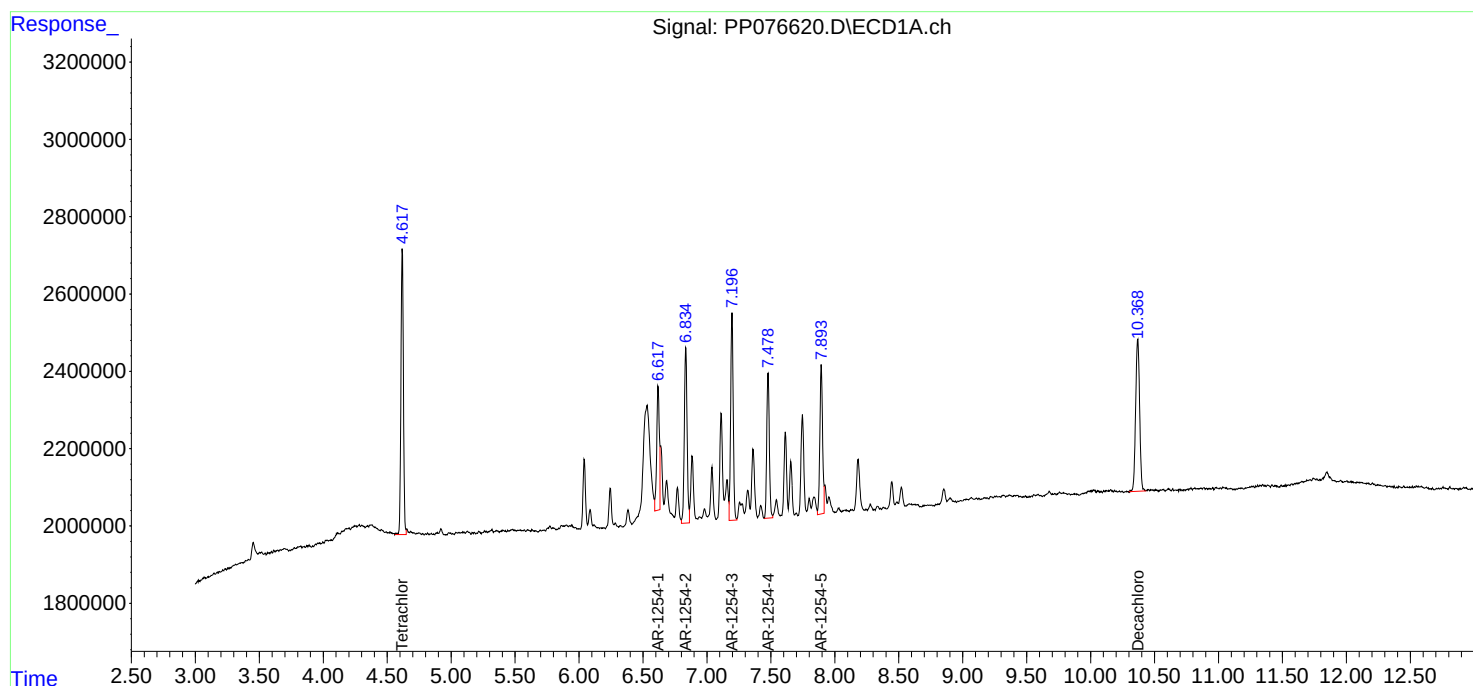
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

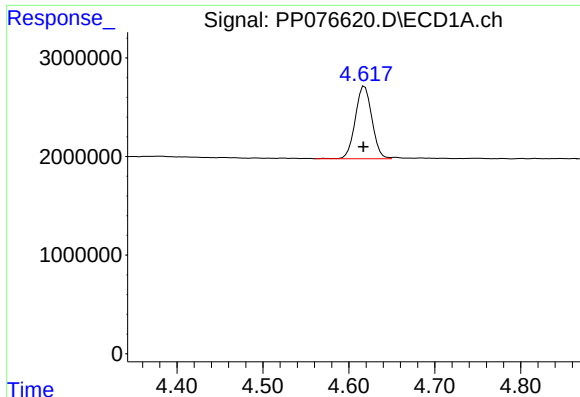
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:10:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:05:21 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

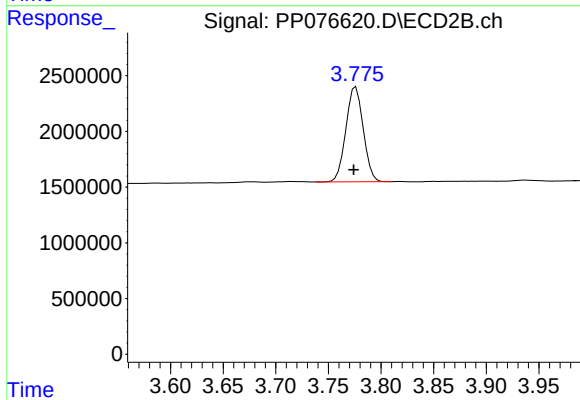
R.T.: 4.618 min
Delta R.T.: 0.001 min
Response: 9890944
Conc: 5.71 ng/ml

ICAL Form

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

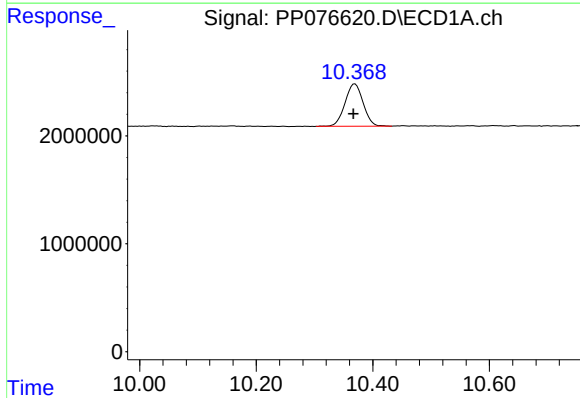
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



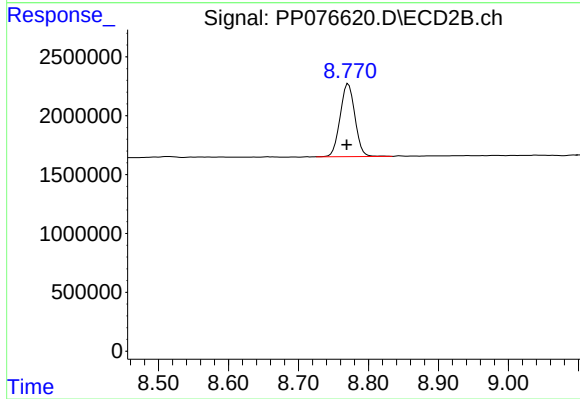
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: 0.002 min
Response: 9833335
Conc: 4.80 ng/ml



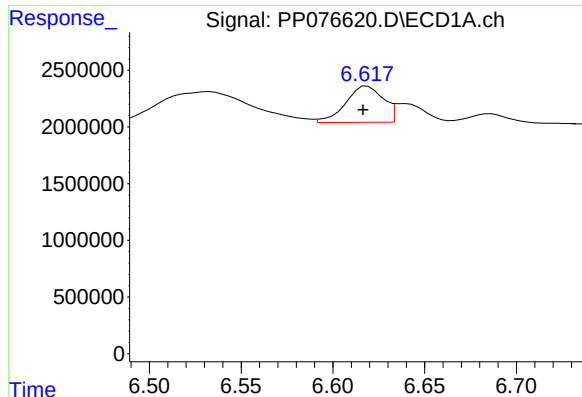
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.002 min
Response: 8468852
Conc: 5.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: 0.002 min
Response: 9084187
Conc: 5.50 ng/ml



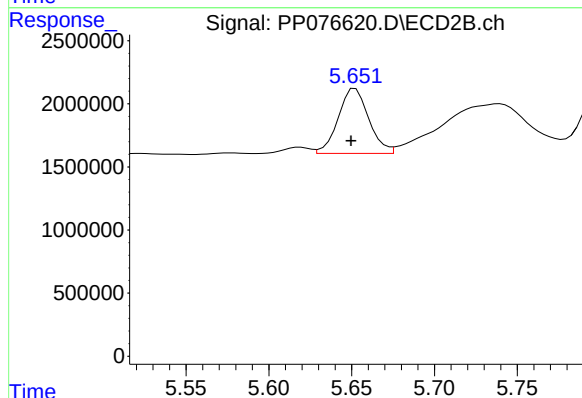
#26 AR-1254-1

R.T.: 6.617 min
Delta R.T.: 0.000 min
Response: 4779412
Conc: 61.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

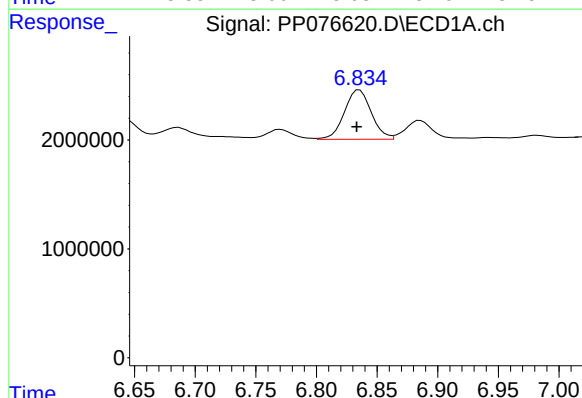
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



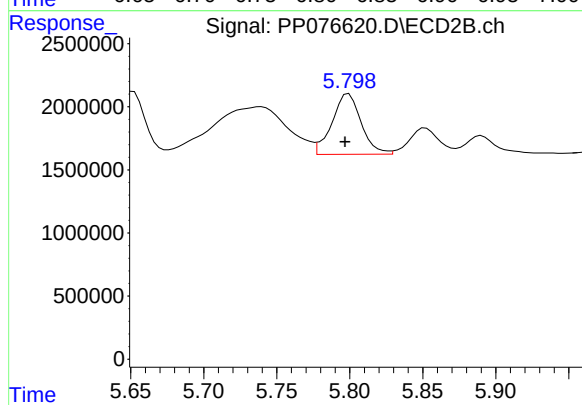
#26 AR-1254-1

R.T.: 5.651 min
Delta R.T.: 0.001 min
Response: 6545312
Conc: 56.01 ng/ml m



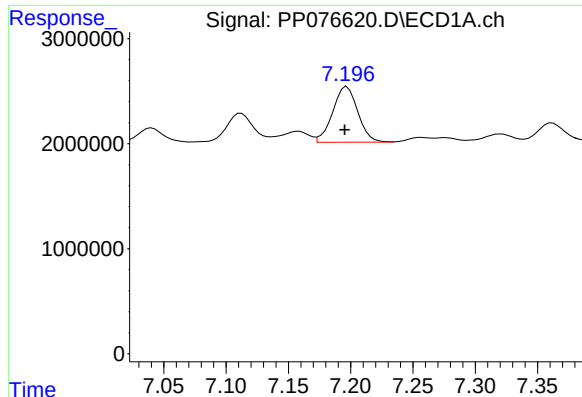
#27 AR-1254-2

R.T.: 6.835 min
Delta R.T.: 0.002 min
Response: 6998031
Conc: 64.56 ng/ml



#27 AR-1254-2

R.T.: 5.798 min
Delta R.T.: 0.001 min
Response: 6691878
Conc: 64.75 ng/ml m



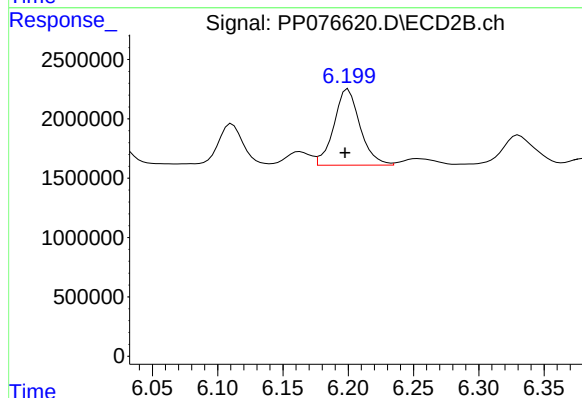
#28 AR-1254-3

R.T.: 7.197 min
Delta R.T.: 0.002 min
Response: 7433224
Conc: 64.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

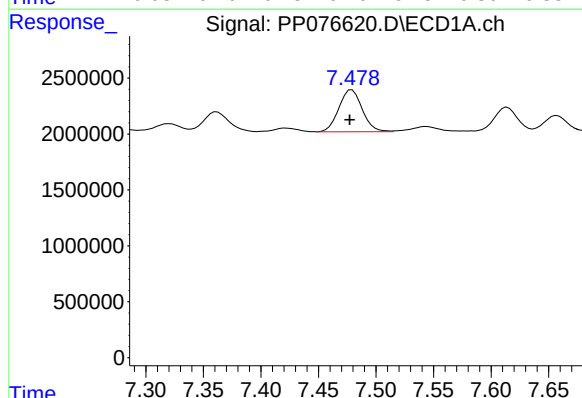
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



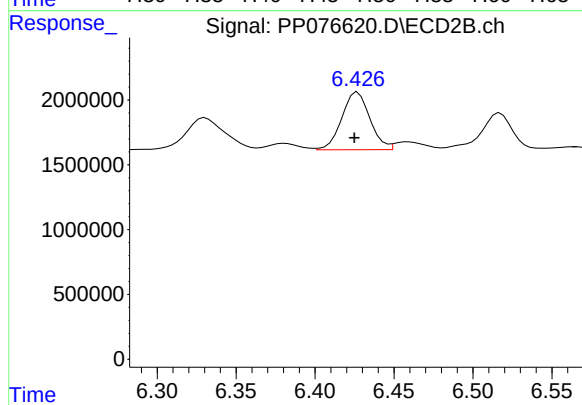
#28 AR-1254-3

R.T.: 6.200 min
Delta R.T.: 0.002 min
Response: 8948489
Conc: 54.85 ng/ml



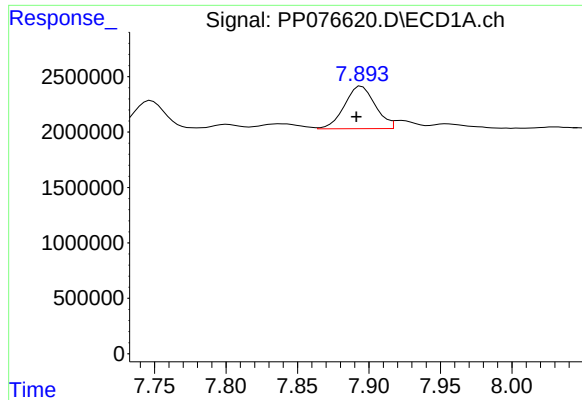
#29 AR-1254-4

R.T.: 7.479 min
Delta R.T.: 0.002 min
Response: 5301490
Conc: 60.26 ng/ml



#29 AR-1254-4

R.T.: 6.427 min
Delta R.T.: 0.002 min
Response: 5506776
Conc: 53.03 ng/ml



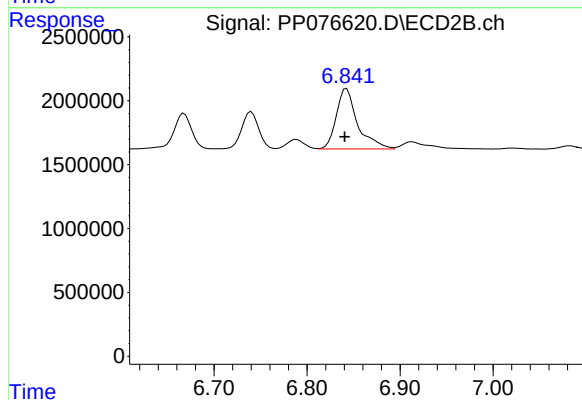
#30 AR-1254-5

R.T.: 7.893 min
Delta R.T.: 0.002 min
Response: 5817827
Conc: 62.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#30 AR-1254-5

R.T.: 6.843 min
Delta R.T.: 0.002 min
Response: 7492427
Conc: 53.29 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076621.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 18:17
 Operator : YP\AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:28:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:27:40 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...	4.616	3.772	82564412	97039303	50.000	50.000
2) SA Decachlor...	10.366	8.768	67790332	76908628	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.196	6.877	49478337	66657550	500.000	500.000
37) L8 AR-1262-2	8.519	7.135	86225297	59959105	500.000	500.000
38) L8 AR-1262-3	8.842	7.657	62862109	49257579	500.000	500.000
39) L8 AR-1262-4	8.928	7.720	49609004	87242417	500.000	500.000
40) L8 AR-1262-5	9.592	8.215	35520319	40178910	500.000	500.000

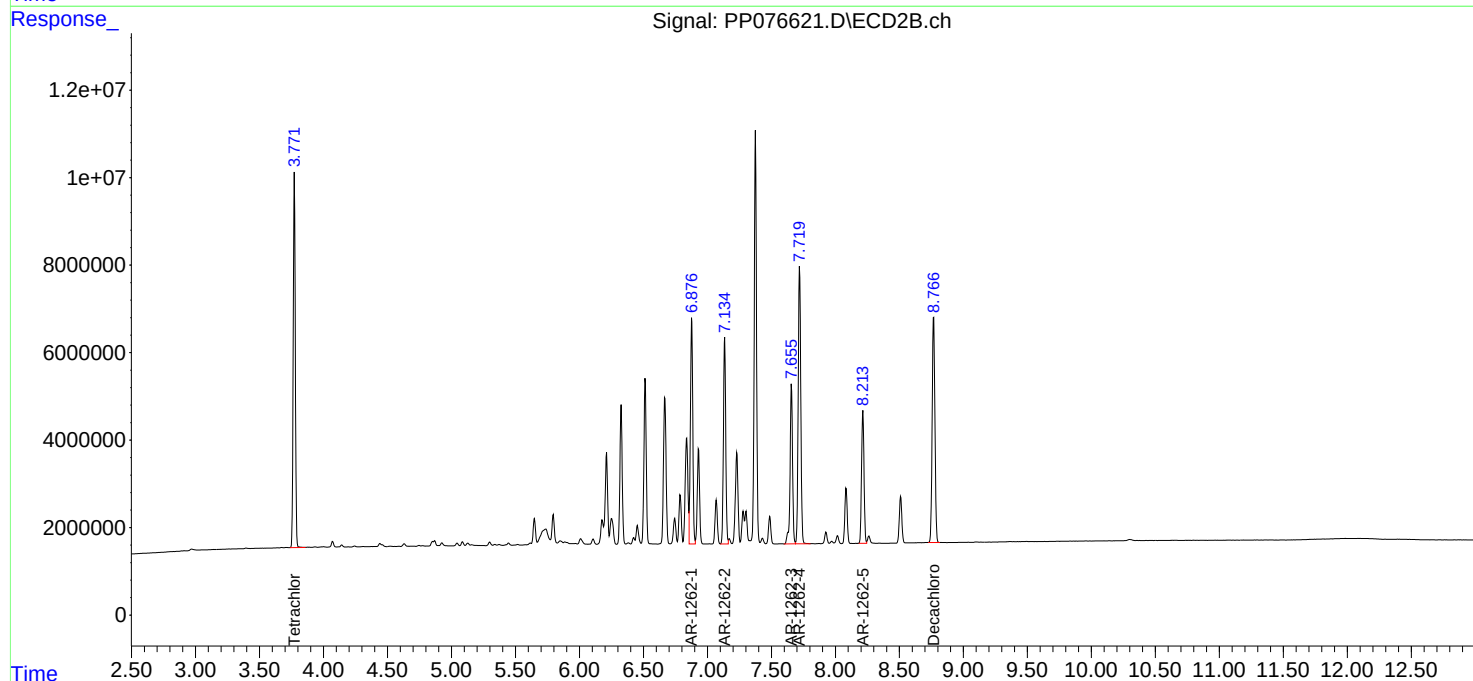
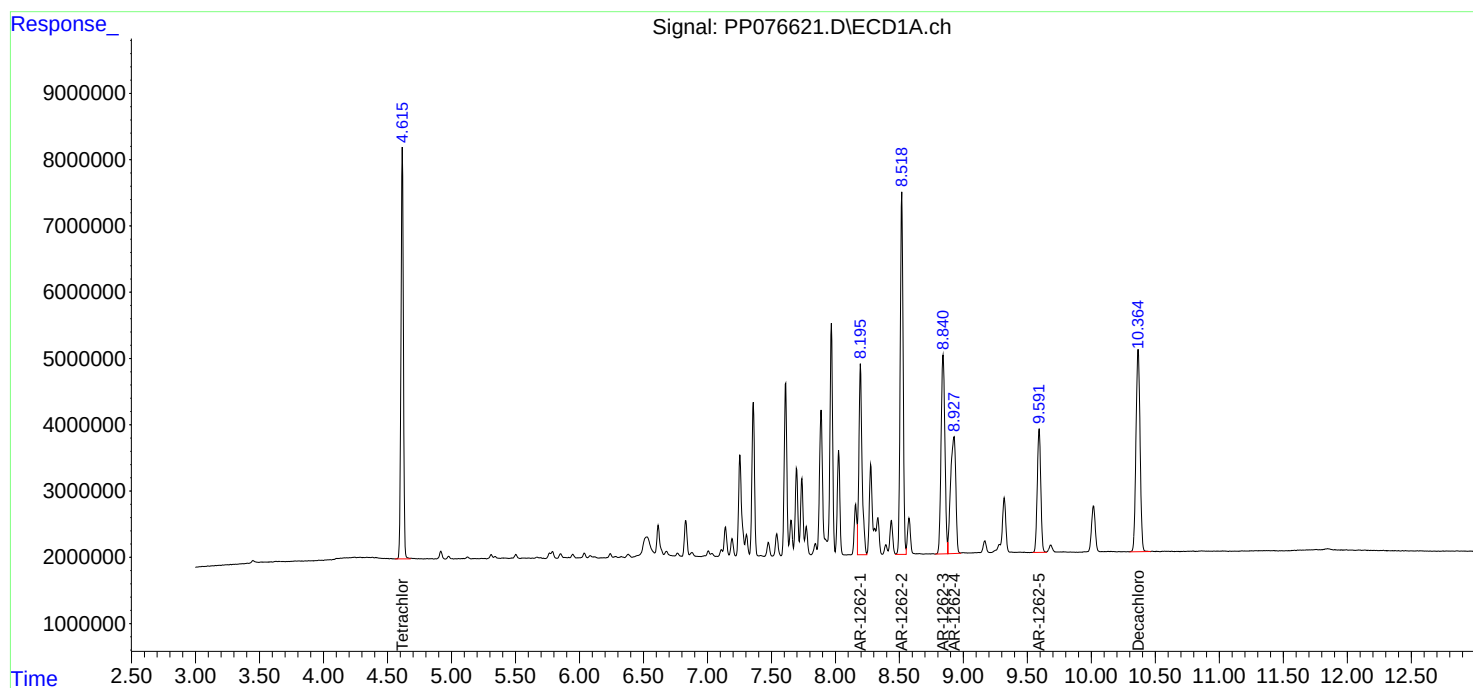
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

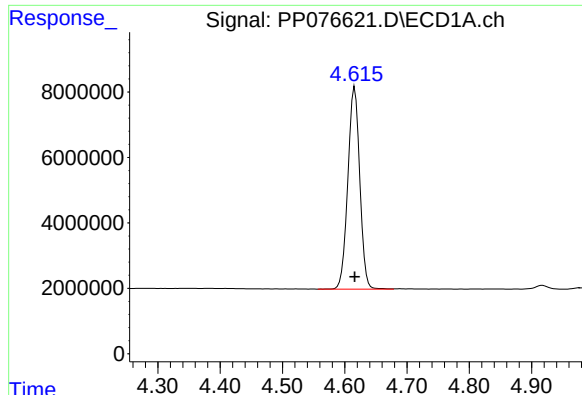
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 18:17
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:28:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:27:40 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

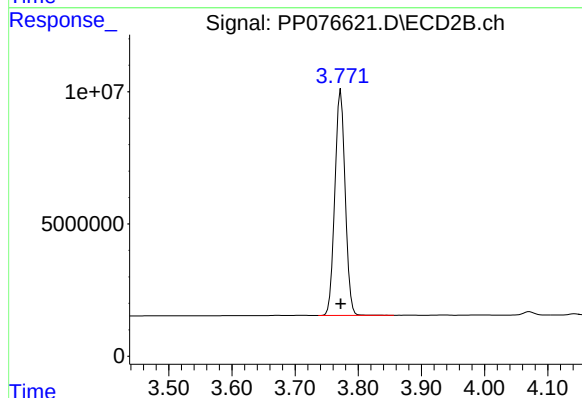




#1 Tetrachloro-m-xylene

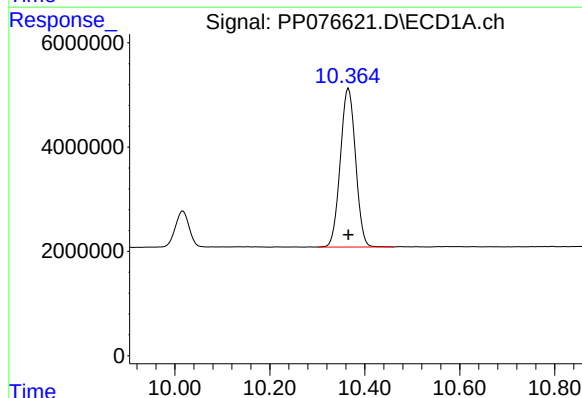
R.T.: 4.616 min
Delta R.T.: 0.000 min
Response: 82564412
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



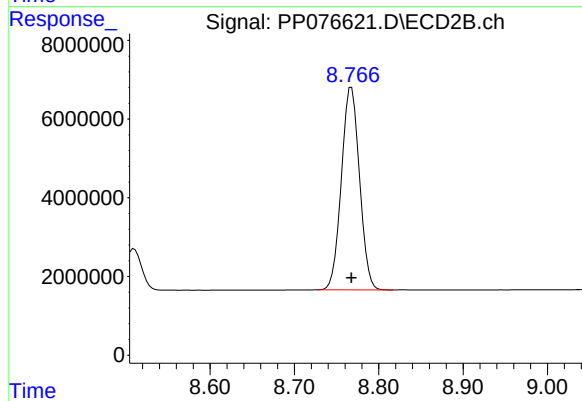
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: 0.000 min
Response: 97039303
Conc: 50.00 ng/ml



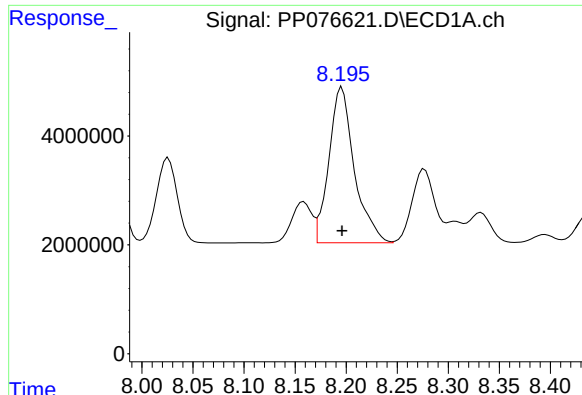
#2 Decachlorobiphenyl

R.T.: 10.366 min
Delta R.T.: 0.000 min
Response: 67790332
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

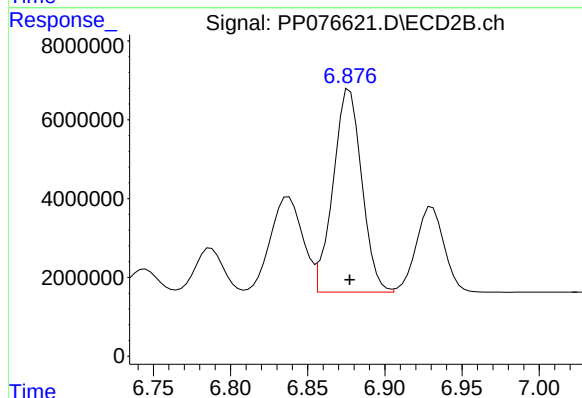
R.T.: 8.768 min
Delta R.T.: 0.000 min
Response: 76908628
Conc: 50.00 ng/ml



#36 AR-1262-1

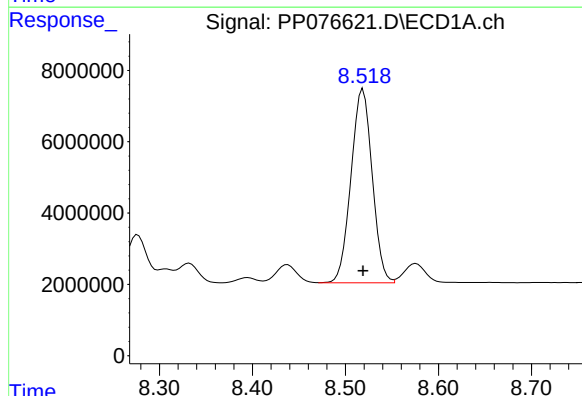
R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 49478337
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



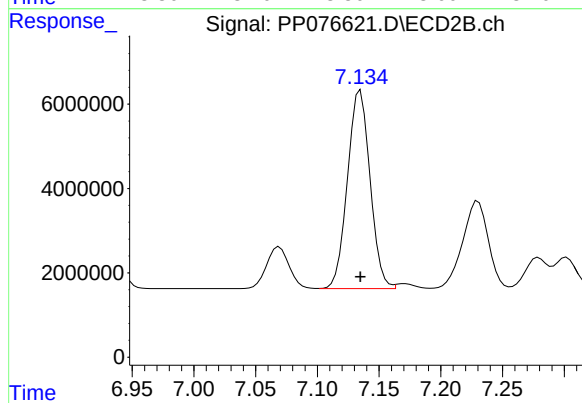
#36 AR-1262-1

R.T.: 6.877 min
Delta R.T.: 0.000 min
Response: 66657550
Conc: 500.00 ng/ml



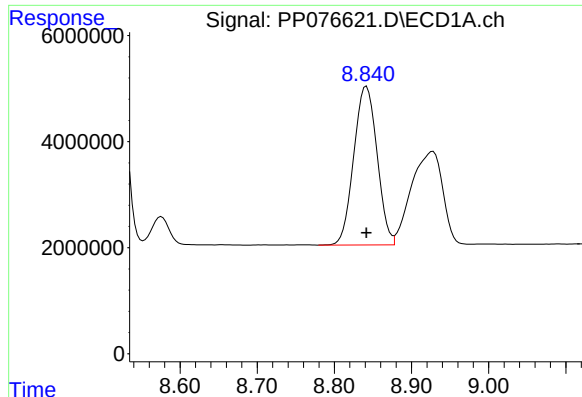
#37 AR-1262-2

R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 86225297
Conc: 500.00 ng/ml



#37 AR-1262-2

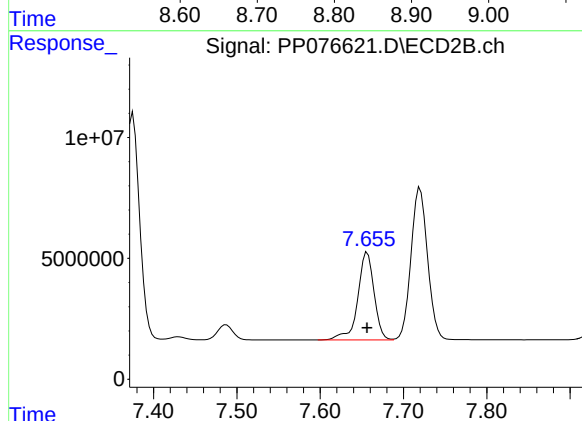
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 59959105
Conc: 500.00 ng/ml



#38 AR-1262-3

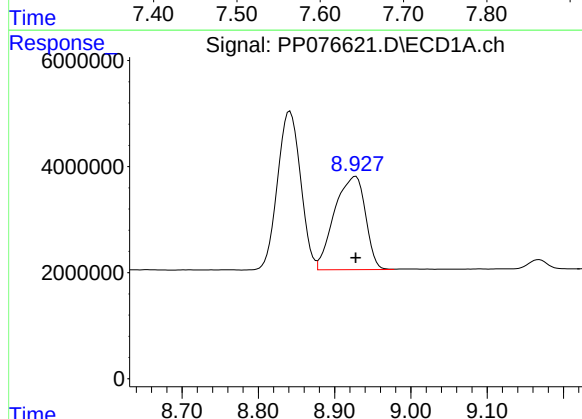
R.T.: 8.842 min
Delta R.T.: 0.000 min
Response: 62862109
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



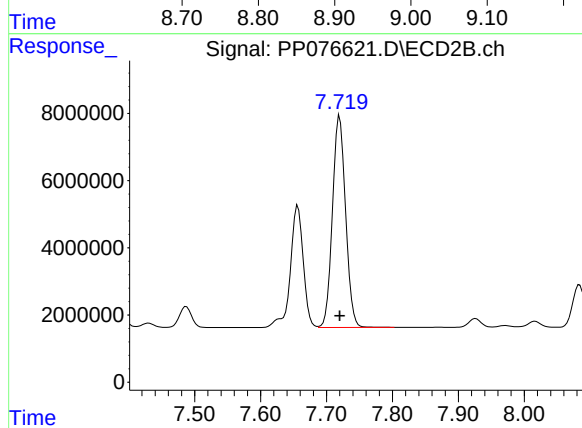
#38 AR-1262-3

R.T.: 7.657 min
Delta R.T.: 0.000 min
Response: 49257579
Conc: 500.00 ng/ml



#39 AR-1262-4

R.T.: 8.928 min
Delta R.T.: 0.000 min
Response: 49609004
Conc: 500.00 ng/ml



#39 AR-1262-4

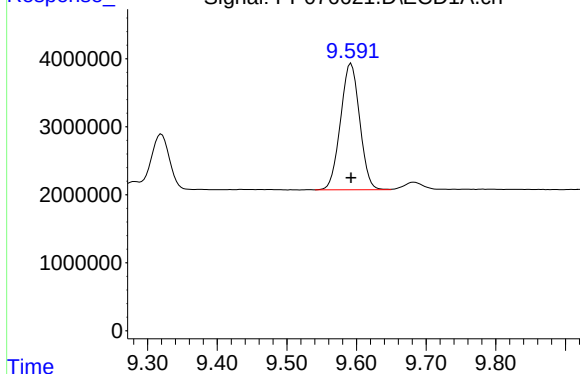
R.T.: 7.720 min
Delta R.T.: 0.000 min
Response: 87242417
Conc: 500.00 ng/ml

Response_

Signal: PP076621.D\ECD1A.ch

#40 AR-1262-5

ICAL Form



R.T.: 9.592 min
Delta R.T.: 0.000 min
Response: 35520319
Conc: 500.00 ng/ml

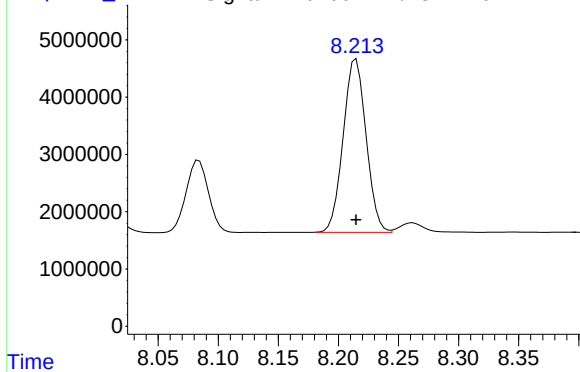
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Time

Response_

Signal: PP076621.D\ECD2B.ch

#40 AR-1262-5



R.T.: 8.215 min
Delta R.T.: 0.000 min
Response: 40178910
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076622.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 18:33
 Operator : YP\AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:34:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:33:02 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...	4.618	3.775	159.2E6	197.9E6	91.147	96.196
2) SA Decachlor...	10.369	8.770	210.3E6	267.0E6	89.266	94.554
Target Compounds						
41) L9 AR-1268-1	8.840	7.660	185.3E6	264.6E6	896.603	947.156
42) L9 AR-1268-2	8.935	7.724	174.6E6	240.9E6	895.241	950.347
43) L9 AR-1268-3	9.171	7.929	144.0E6	194.4E6	893.169	946.777
44) L9 AR-1268-4	9.595	8.218	72720190	87883512	888.782	940.218
45) L9 AR-1268-5	10.021	8.513	445.4E6	616.6E6	915.190	965.595

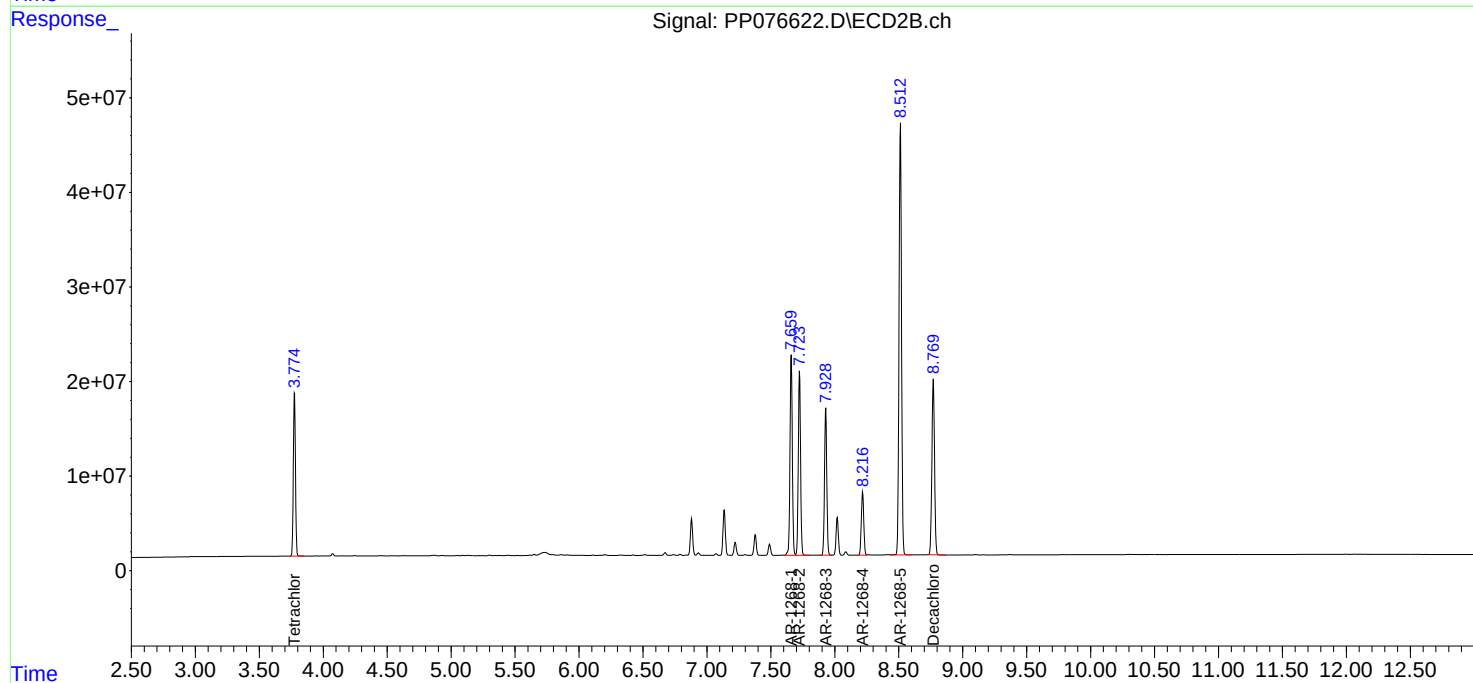
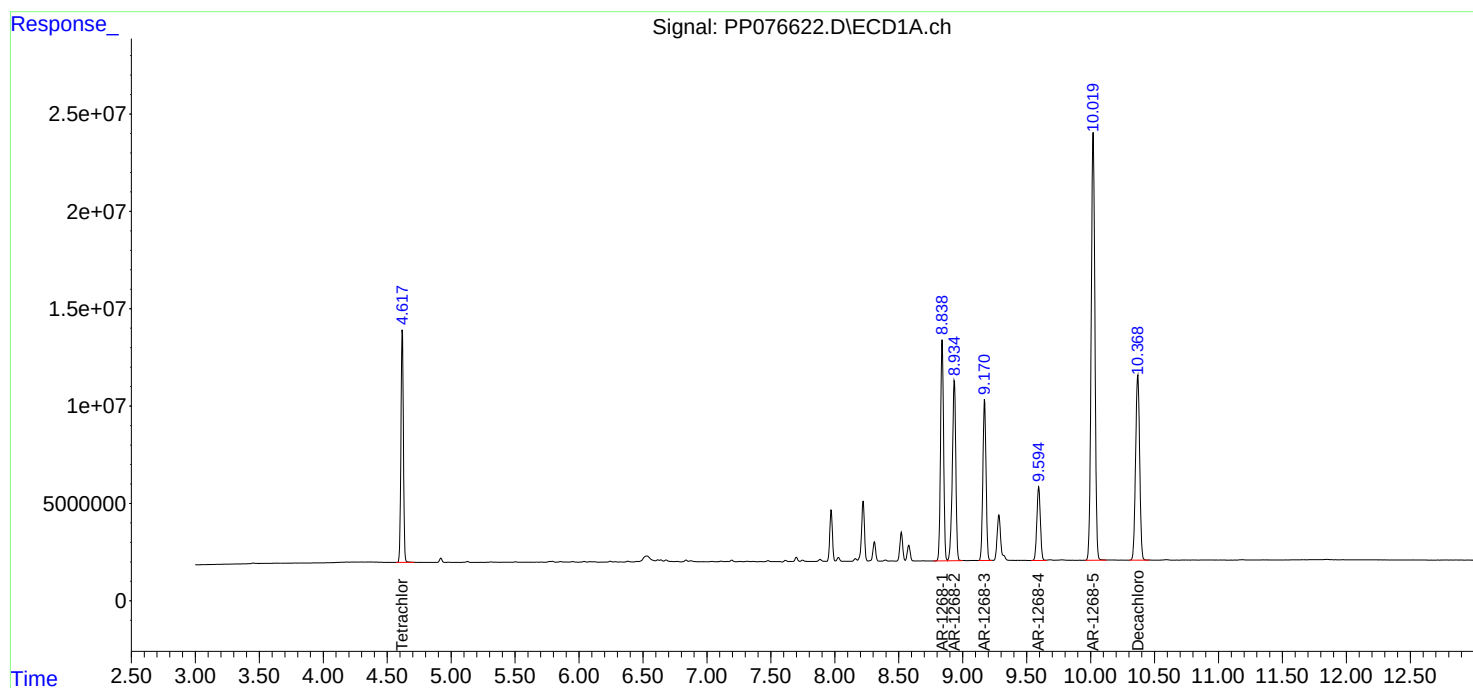
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 18:33
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

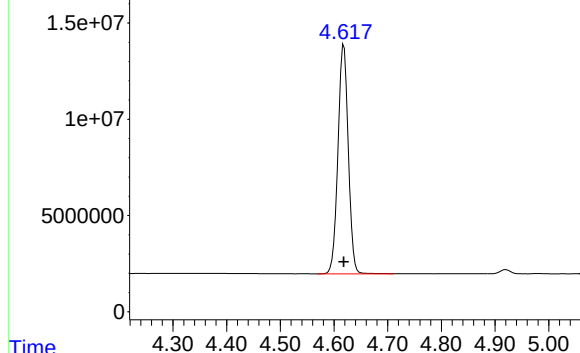
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:34:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:33:02 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



Response_ Signal: PP076622.D\ECD1A.ch

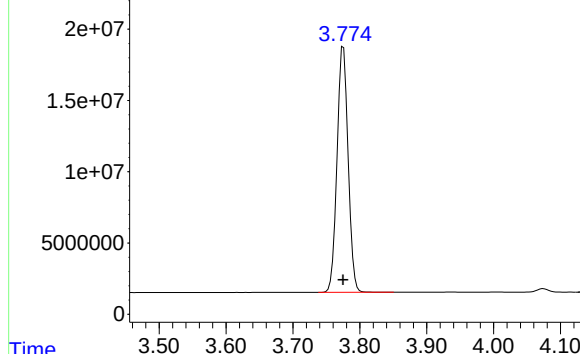


#1 Tetrachloro-m-xylene

R.T.: 4.618 min
Delta R.T.: 0.000 min
Response: 159214555
Conc: 91.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

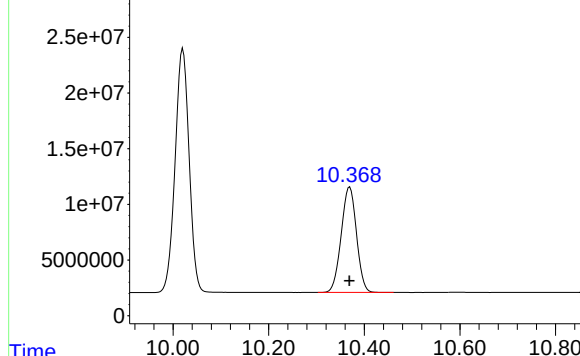
Response_ Signal: PP076622.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: 0.000 min
Response: 197903371
Conc: 96.20 ng/ml

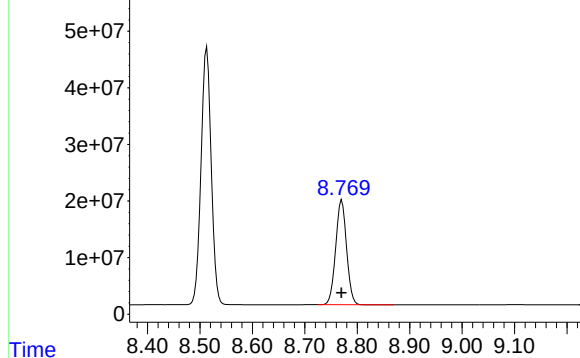
Response_ Signal: PP076622.D\ECD1A.ch



#2 Decachlorobiphenyl

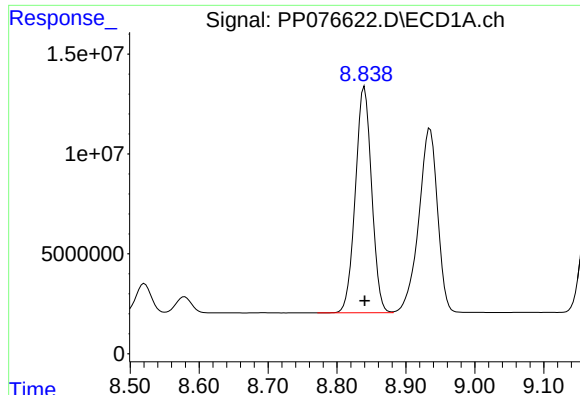
R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 210314554
Conc: 89.27 ng/ml

Response_ Signal: PP076622.D\ECD2B.ch



#2 Decachlorobiphenyl

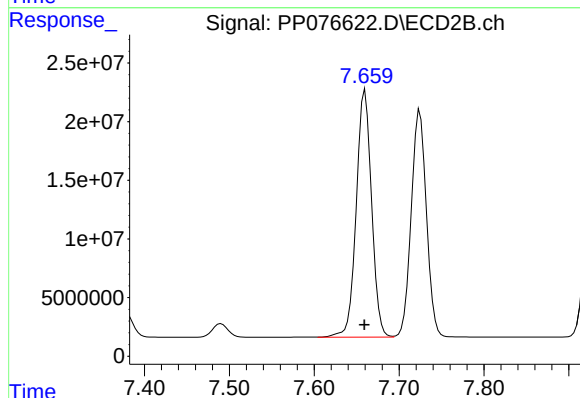
R.T.: 8.770 min
Delta R.T.: 0.000 min
Response: 267009297
Conc: 94.55 ng/ml



#41 AR-1268-1

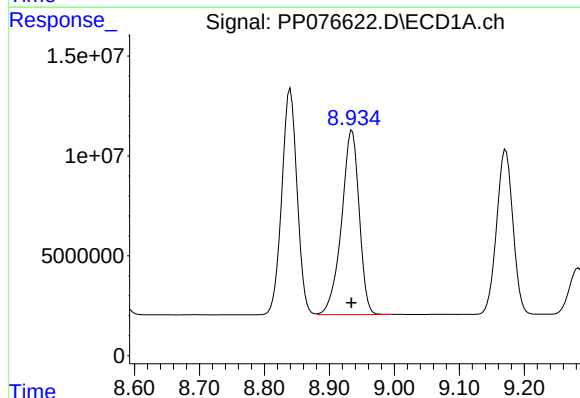
R.T.: 8.840 min
Delta R.T.: 0.000 min
Response: 185284719
Conc: 896.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



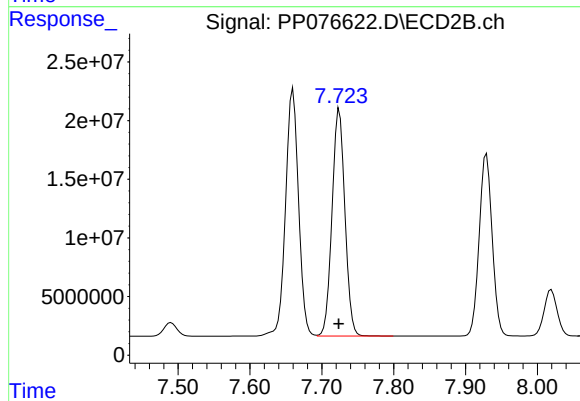
#41 AR-1268-1

R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 264556427
Conc: 947.16 ng/ml



#42 AR-1268-2

R.T.: 8.935 min
Delta R.T.: 0.000 min
Response: 174556125
Conc: 895.24 ng/ml



#42 AR-1268-2

R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 240850862
Conc: 950.35 ng/ml

Response_ Signal: PP076622.D\ECD1A.ch

#43 AR-1268-3

R.T.: 9.171 min
Delta R.T.: 0.000 min
Response: 144029935
Conc: 893.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Time

Response_ Signal: PP076622.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.929 min
Delta R.T.: 0.000 min
Response: 194377273
Conc: 946.78 ng/ml

Time

Response_ Signal: PP076622.D\ECD1A.ch

#44 AR-1268-4

R.T.: 9.595 min
Delta R.T.: 0.000 min
Response: 72720190
Conc: 888.78 ng/ml

Time

Response_ Signal: PP076622.D\ECD2B.ch

#44 AR-1268-4

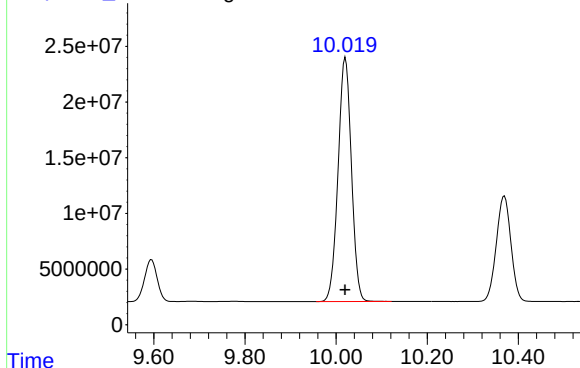
R.T.: 8.218 min
Delta R.T.: 0.000 min
Response: 87883512
Conc: 940.22 ng/ml

Time

Response_

Signal: PP076622.D\ECD1A.ch

#45 AR-1268-5



R.T.: 10.021 min
Delta R.T.: 0.000 min
Response: 445375962
Conc: 915.19 ng/ml

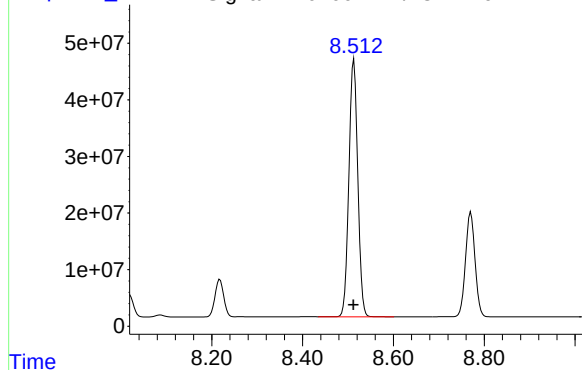
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Time

Response_

Signal: PP076622.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.513 min
Delta R.T.: 0.000 min
Response: 616587385
Conc: 965.59 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076623.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 18:50
 Operator : YP\AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:34:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:33:02 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...	4.616	3.772	126.2E6	154.4E6	72.243	75.028
2) SA Decachlor...	10.366	8.767	167.2E6	207.4E6	70.986	73.443
Target Compounds						
41) L9 AR-1268-1	8.837	7.656	147.6E6	206.2E6	714.147	738.126
42) L9 AR-1268-2	8.932	7.721	138.8E6	187.4E6	712.065	739.512
43) L9 AR-1268-3	9.168	7.927	114.5E6	151.4E6	710.010	737.550
44) L9 AR-1268-4	9.593	8.215	57844413	68475265	706.971	732.580
45) L9 AR-1268-5	10.018	8.510	350.9E6	475.8E6	720.988	745.128

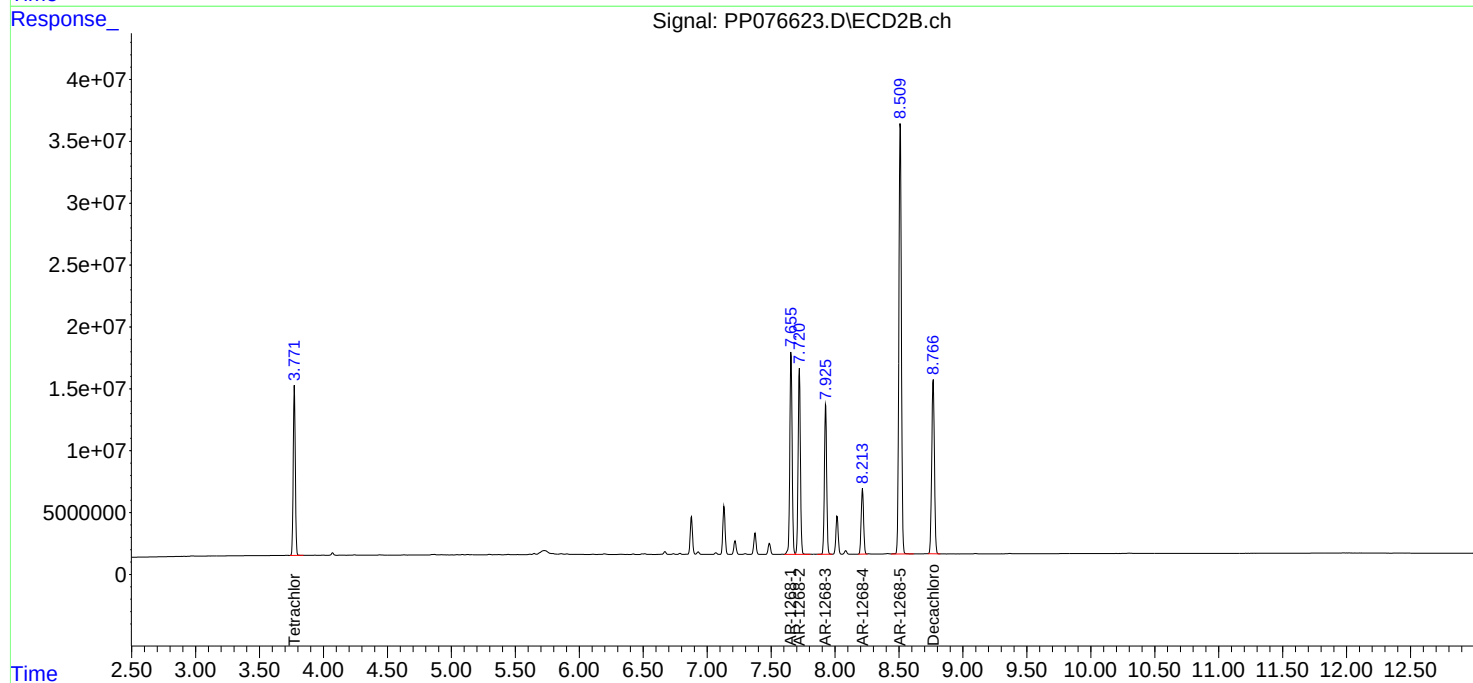
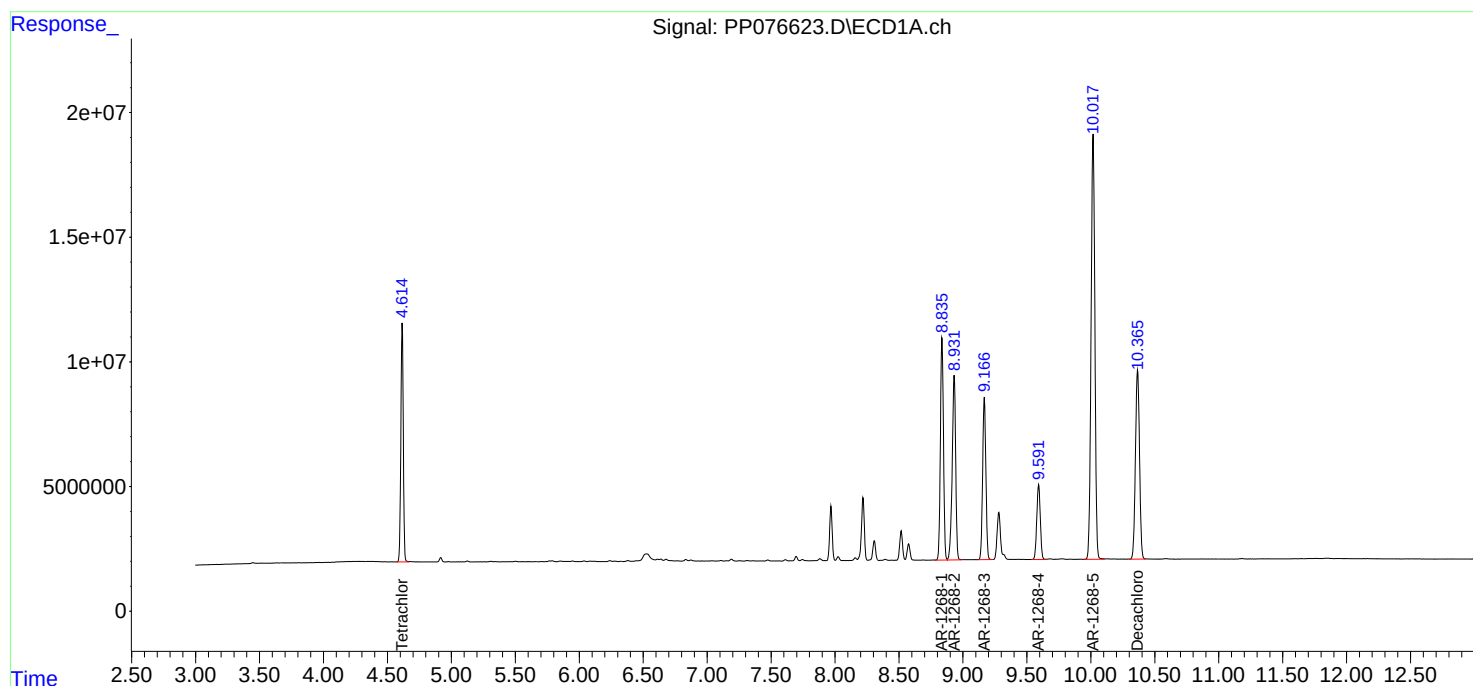
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 18:50
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

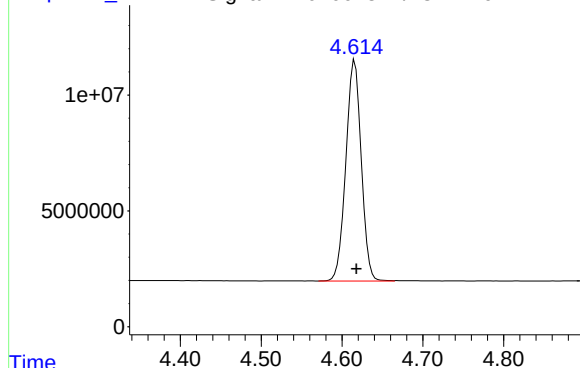
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:33:02 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



Response_ Signal: PP076623.D\ECD1A.ch

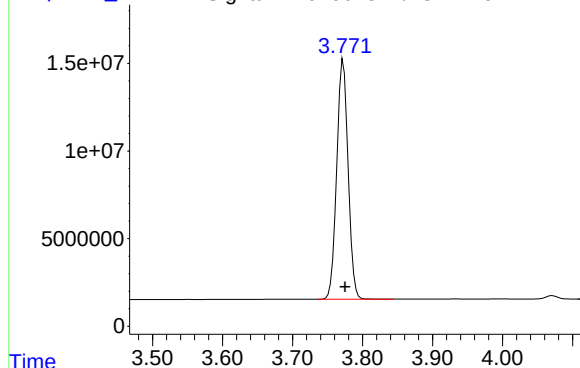


#1 Tetrachloro-m-xylene

R.T.: 4.616 min
Delta R.T.: -0.002 min
Response: 126193332
Conc: 72.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

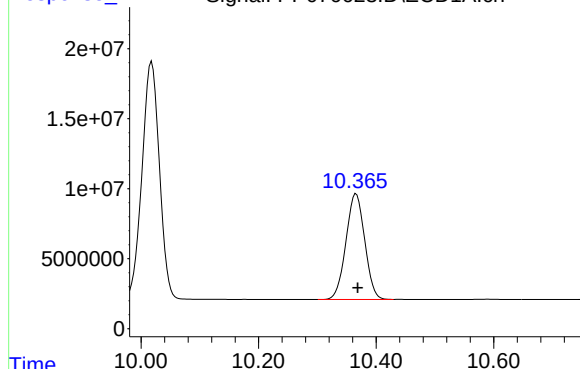
Time Response_ Signal: PP076623.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: -0.002 min
Response: 154356037
Conc: 75.03 ng/ml

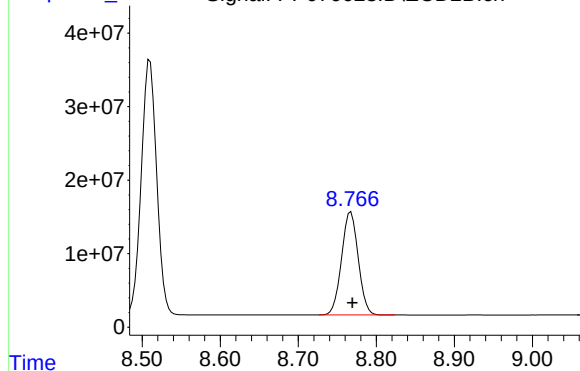
Time Response_ Signal: PP076623.D\ECD1A.ch



#2 Decachlorobiphenyl

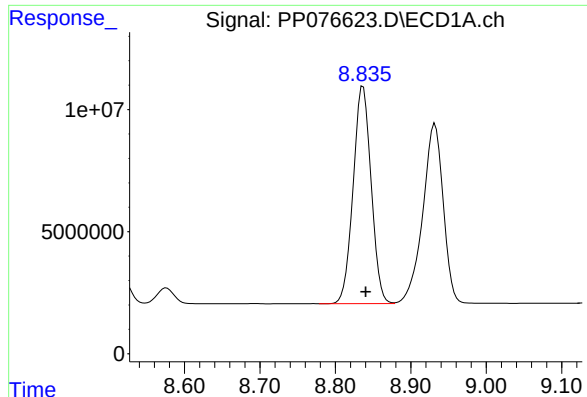
R.T.: 10.366 min
Delta R.T.: -0.003 min
Response: 167246005
Conc: 70.99 ng/ml

Time Response_ Signal: PP076623.D\ECD2B.ch



#2 Decachlorobiphenyl

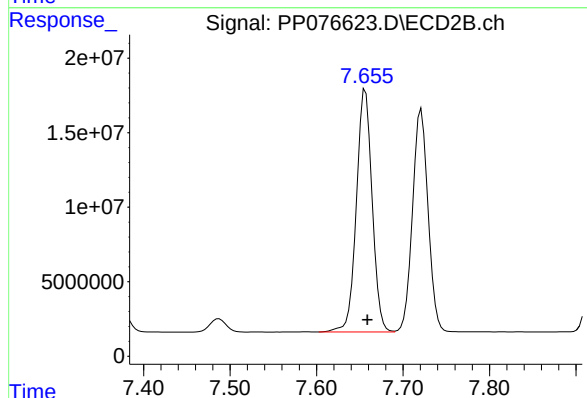
R.T.: 8.767 min
Delta R.T.: -0.002 min
Response: 207396025
Conc: 73.44 ng/ml



#41 AR-1268-1

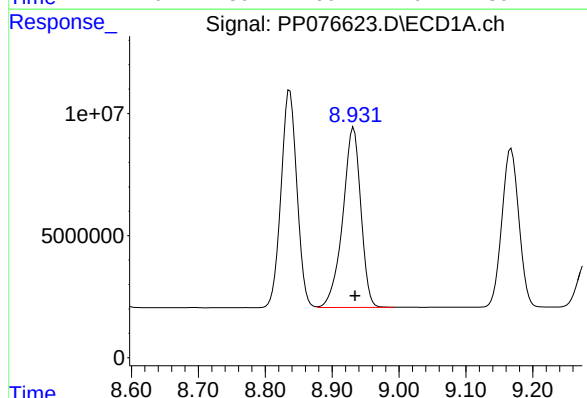
R.T.: 8.837 min
Delta R.T.: -0.003 min
Response: 147579759
Conc: 714.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



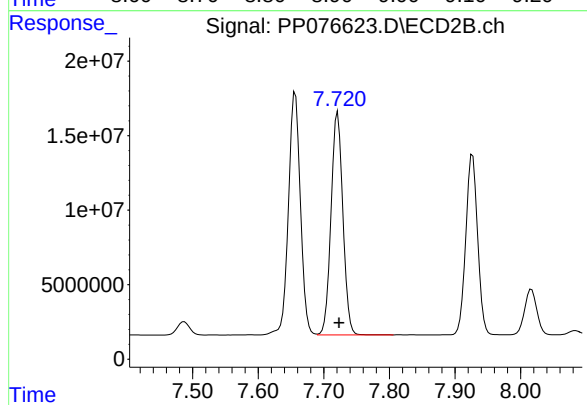
#41 AR-1268-1

R.T.: 7.656 min
Delta R.T.: -0.003 min
Response: 206170969
Conc: 738.13 ng/ml



#42 AR-1268-2

R.T.: 8.932 min
Delta R.T.: -0.002 min
Response: 138840167
Conc: 712.07 ng/ml



#42 AR-1268-2

R.T.: 7.721 min
Delta R.T.: -0.002 min
Response: 187417881
Conc: 739.51 ng/ml

Response_ Signal: PP076623.D\ECD1A.ch

#43 AR-1268-3

R.T.: 9.168 min
Delta R.T.: -0.003 min
Response: 114494292
Conc: 710.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Time

Response_ Signal: PP076623.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.927 min
Delta R.T.: -0.002 min
Response: 151422007
Conc: 737.55 ng/ml

Time

Response_ Signal: PP076623.D\ECD1A.ch

#44 AR-1268-4

R.T.: 9.593 min
Delta R.T.: -0.002 min
Response: 57844413
Conc: 706.97 ng/ml

Time

Response_ Signal: PP076623.D\ECD2B.ch

#44 AR-1268-4

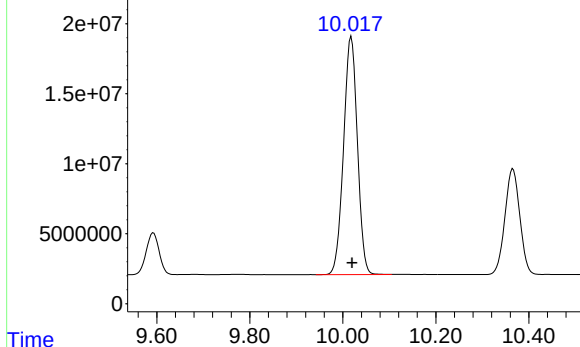
R.T.: 8.215 min
Delta R.T.: -0.002 min
Response: 68475265
Conc: 732.58 ng/ml

Time

Response_

Signal: PP076623.D\ECD1A.ch

#45 AR-1268-5



R.T.: 10.018 min
Delta R.T.: -0.002 min
Response: 350868032
Conc: 720.99 ng/ml

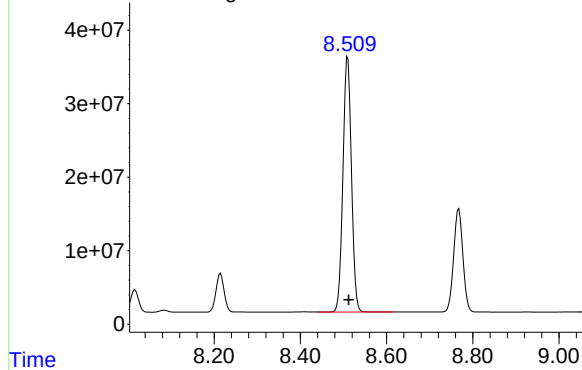
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PP076623.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.510 min
Delta R.T.: -0.002 min
Response: 475806912
Conc: 745.13 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076624.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 19:06
 Operator : YP\AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:34:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:33:02 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...	4.618	3.775	87339138	102.9E6	50.000	50.000
2) SA Decachlor...	10.369	8.770	117.8E6	141.2E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.840	7.659	103.3E6	139.7E6	500.000	500.000
42) L9 AR-1268-2	8.934	7.724	97491158	126.7E6	500.000	500.000
43) L9 AR-1268-3	9.171	7.929	80628615	102.7E6	500.000	500.000
44) L9 AR-1268-4	9.595	8.217	40910024	46735705	500.000	500.000
45) L9 AR-1268-5	10.020	8.512	243.3E6	319.3E6	500.000	500.000

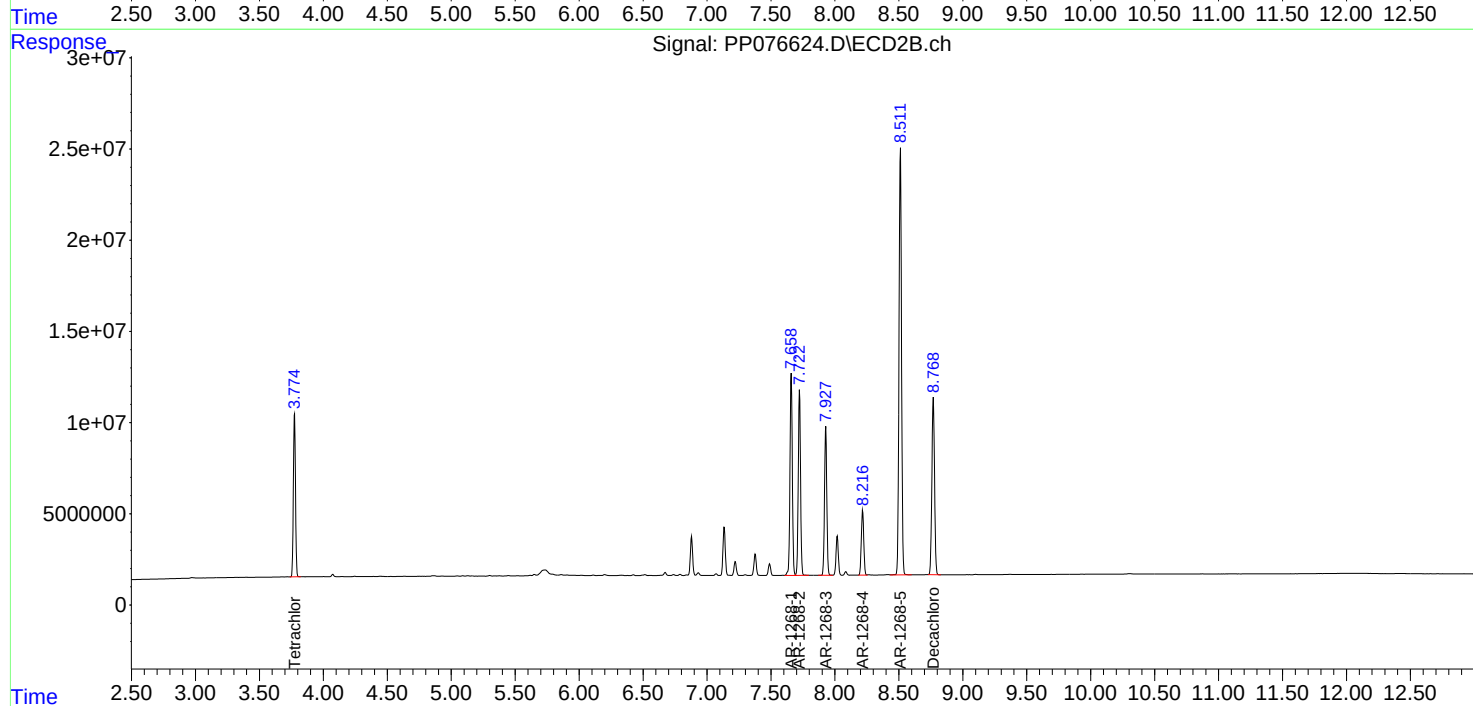
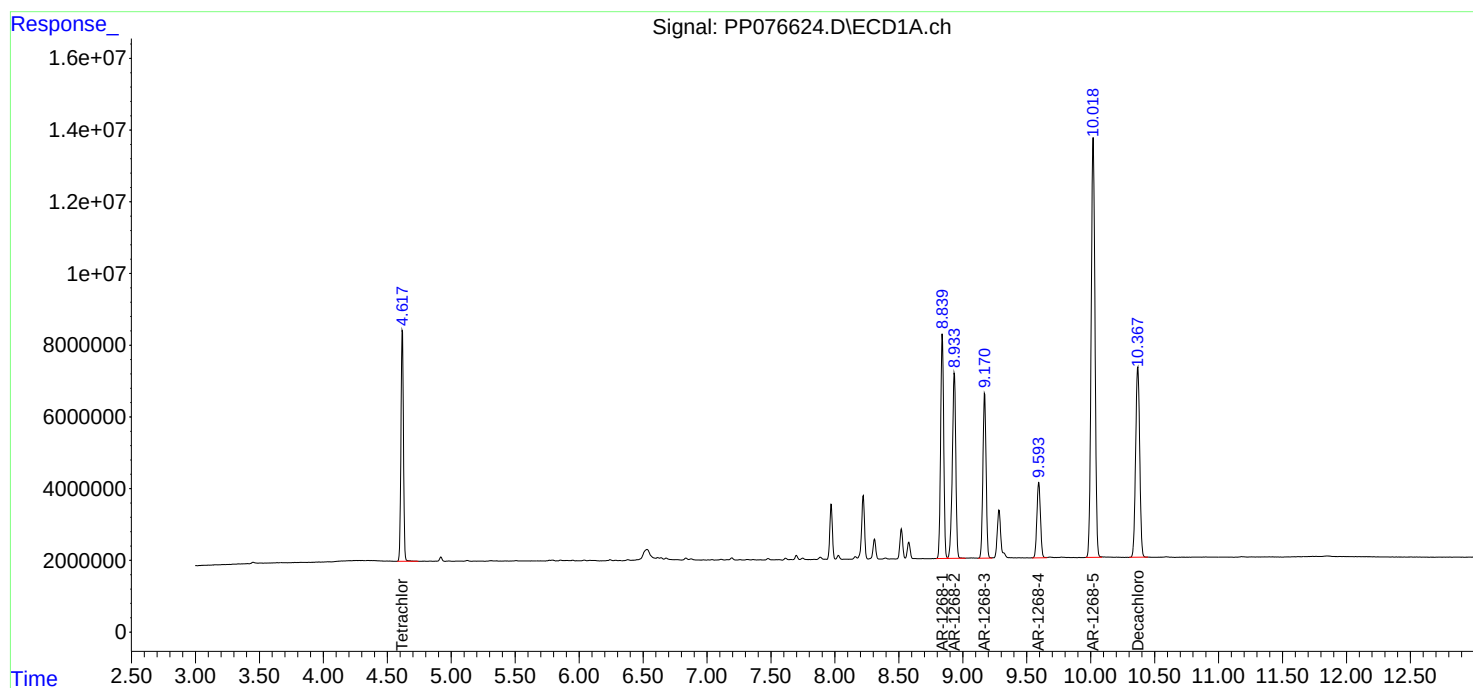
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

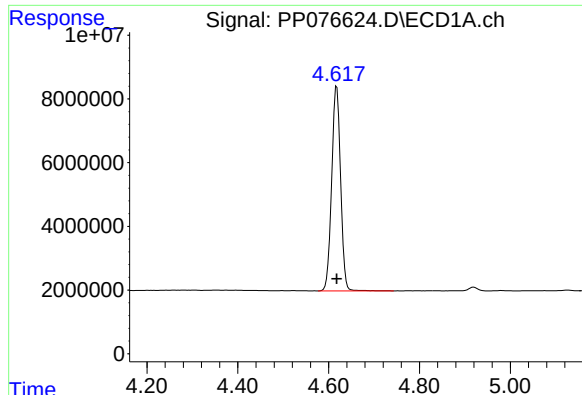
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 19:06
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:34:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:33:02 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

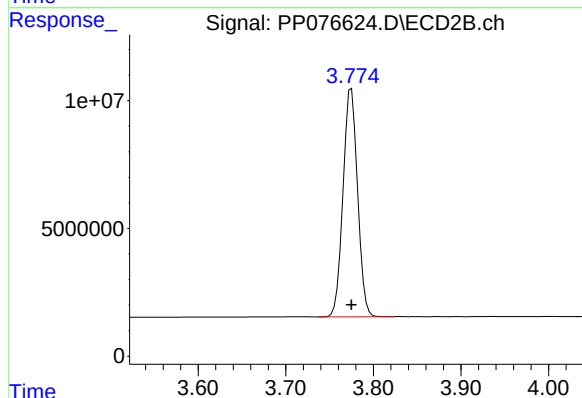




#1 Tetrachloro-m-xylene

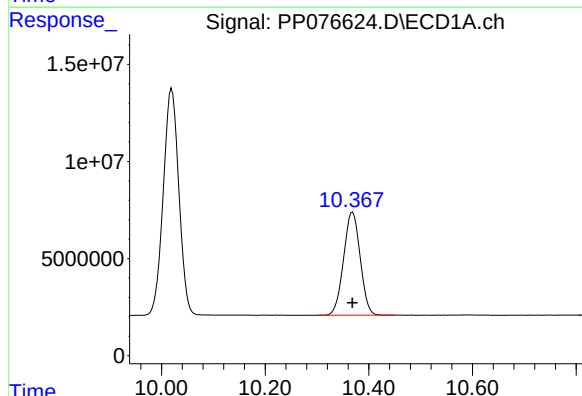
R.T.: 4.618 min
Delta R.T.: 0.000 min
Response: 87339138
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



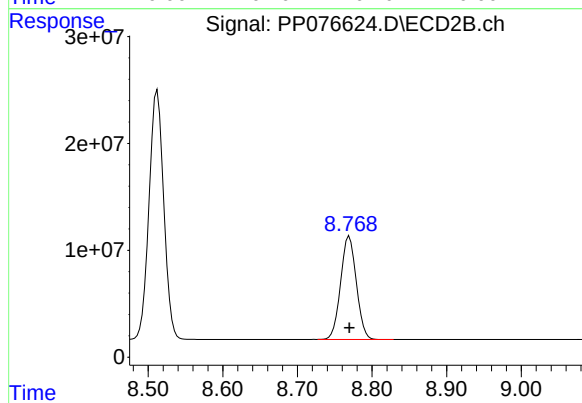
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: 0.000 min
Response: 102864962
Conc: 50.00 ng/ml



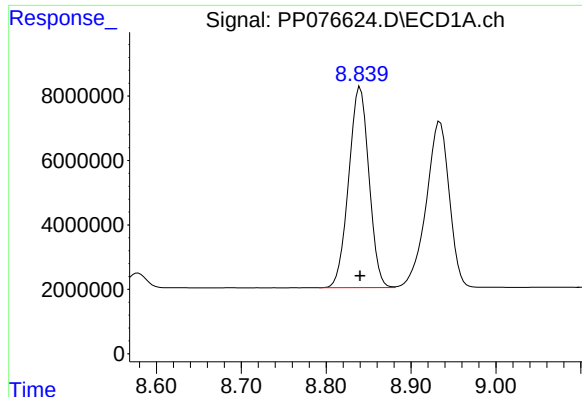
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 117802501
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

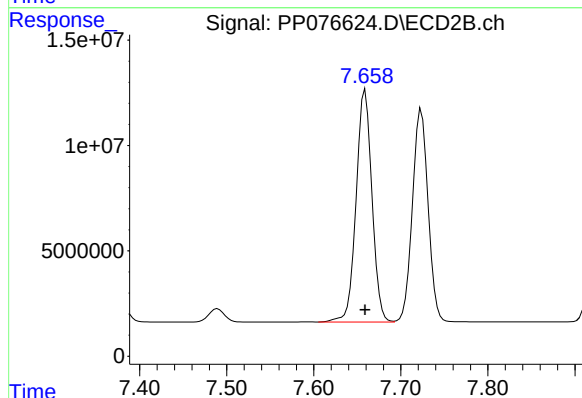
R.T.: 8.770 min
Delta R.T.: 0.000 min
Response: 141194407
Conc: 50.00 ng/ml



#41 AR-1268-1

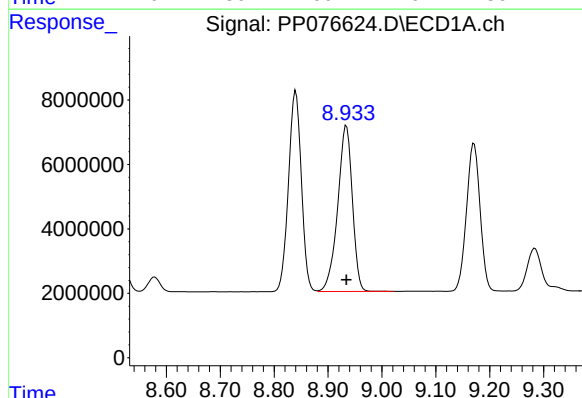
R.T.: 8.840 min
Delta R.T.: 0.000 min
Response: 103325941
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



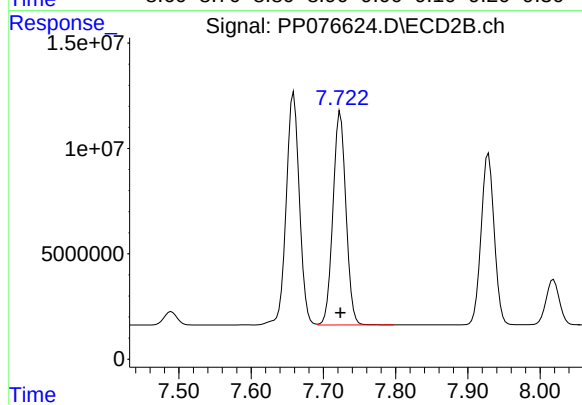
#41 AR-1268-1

R.T.: 7.659 min
Delta R.T.: 0.000 min
Response: 139658341
Conc: 500.00 ng/ml



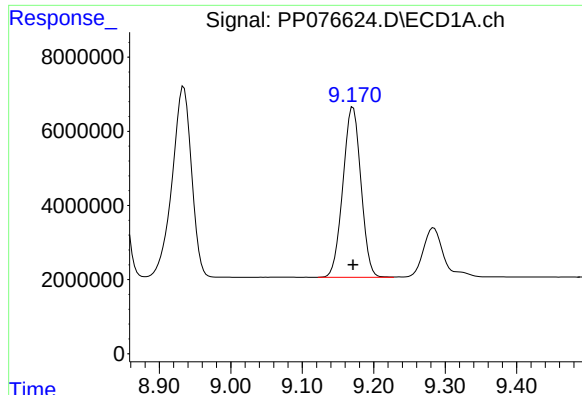
#42 AR-1268-2

R.T.: 8.934 min
Delta R.T.: 0.000 min
Response: 97491158
Conc: 500.00 ng/ml



#42 AR-1268-2

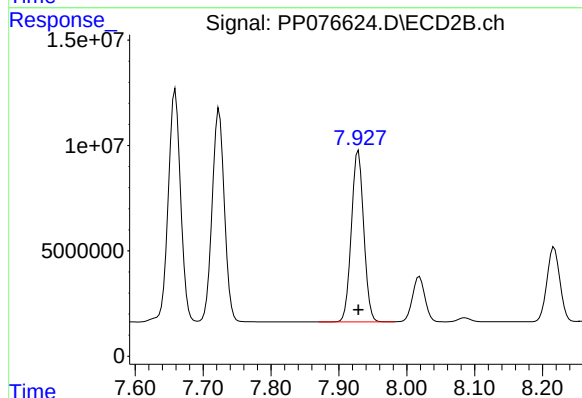
R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 126717339
Conc: 500.00 ng/ml



#43 AR-1268-3

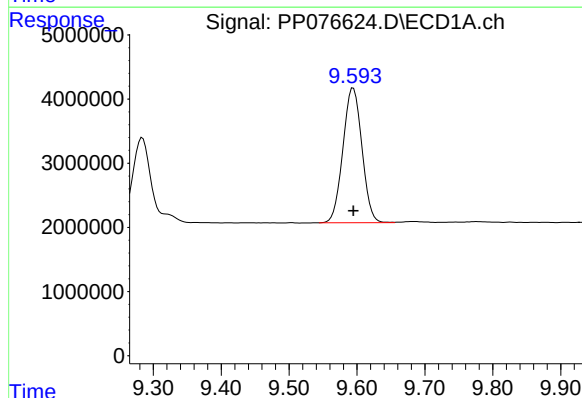
R.T.: 9.171 min
Delta R.T.: 0.000 min
Response: 80628615
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



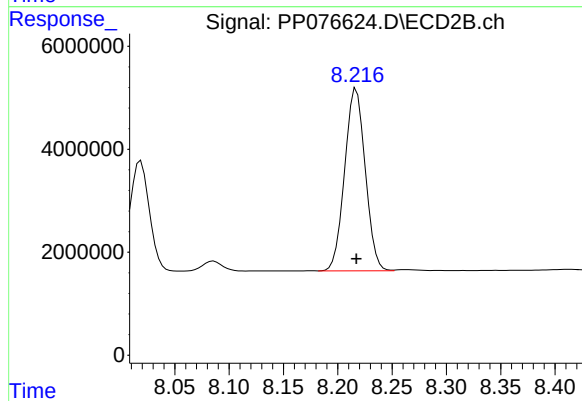
#43 AR-1268-3

R.T.: 7.929 min
Delta R.T.: 0.000 min
Response: 102652082
Conc: 500.00 ng/ml



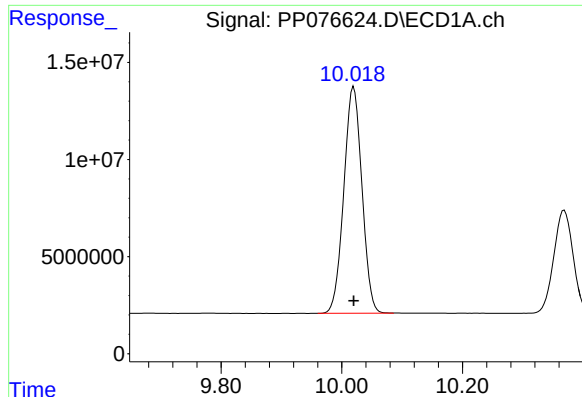
#44 AR-1268-4

R.T.: 9.595 min
Delta R.T.: 0.000 min
Response: 40910024
Conc: 500.00 ng/ml



#44 AR-1268-4

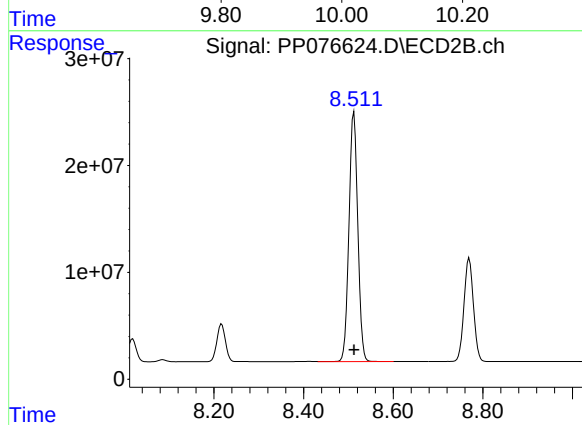
R.T.: 8.217 min
Delta R.T.: 0.000 min
Response: 46735705
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 10.020 min
Delta R.T.: 0.000 min
Response: 243324402
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 319278614
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076625.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 19:23
 Operator : YP\AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:35:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:33:02 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...	4.616	3.773	46483821	51591515	26.611	25.077
2) SA Decachlor...	10.368	8.768	65149288	73906252	27.652	26.172
Target Compounds						
41) L9 AR-1268-1	8.839	7.657	57155819	72342388	276.580	258.998
42) L9 AR-1268-2	8.933	7.723	53599740	65439443	274.895	258.210
43) L9 AR-1268-3	9.170	7.927	44597424	52973859	276.561	258.026
44) L9 AR-1268-4	9.594	8.216	22309085	24532687	272.660	262.462
45) L9 AR-1268-5	10.020	8.511	132.6E6	162.7E6	272.415	254.793

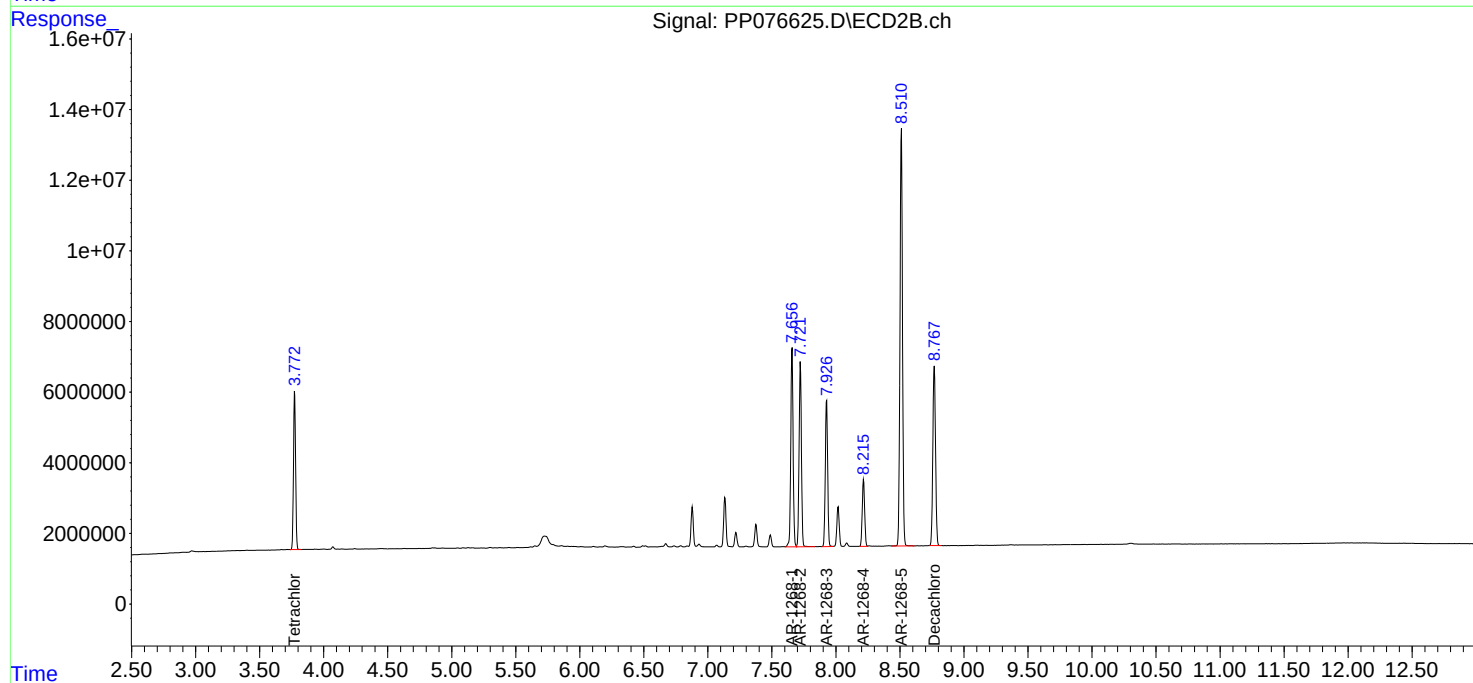
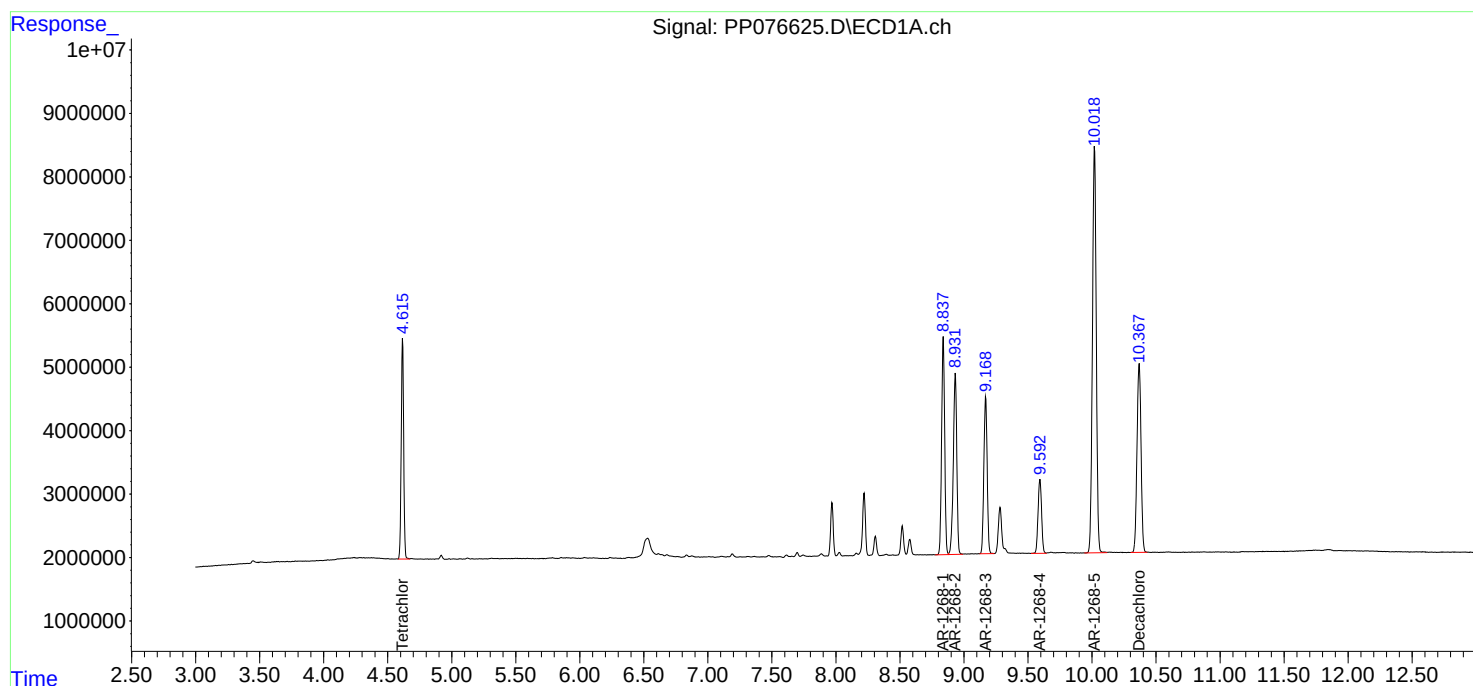
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 19:23
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

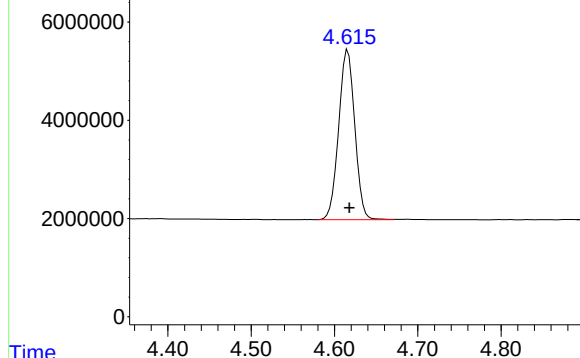
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:33:02 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



Response_ Signal: PP076625.D\ECD1A.ch

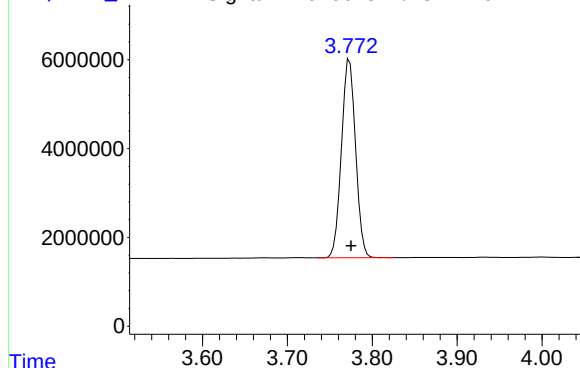


#1 Tetrachloro-m-xylene

R.T.: 4.616 min
Delta R.T.: -0.002 min
Response: 46483821
Conc: 26.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

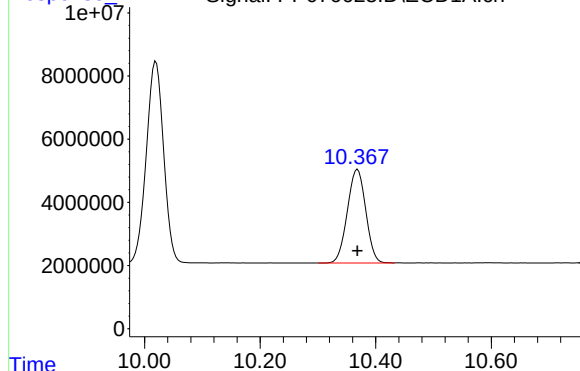
Time Response_ Signal: PP076625.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: -0.002 min
Response: 51591515
Conc: 25.08 ng/ml

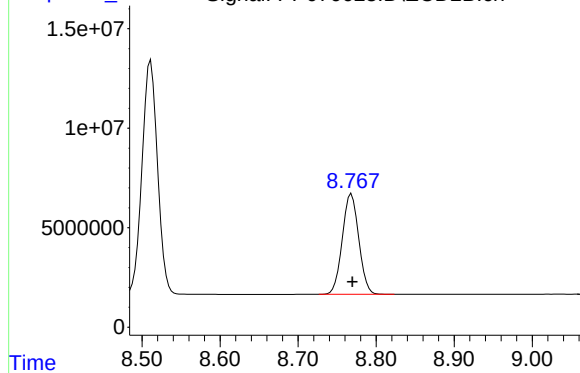
Time Response_ Signal: PP076625.D\ECD1A.ch



#2 Decachlorobiphenyl

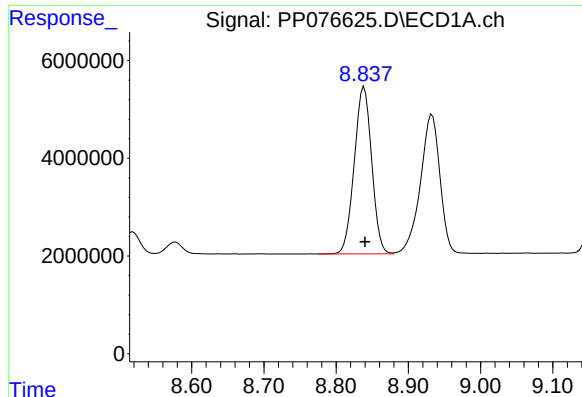
R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 65149288
Conc: 27.65 ng/ml

Time Response_ Signal: PP076625.D\ECD2B.ch



#2 Decachlorobiphenyl

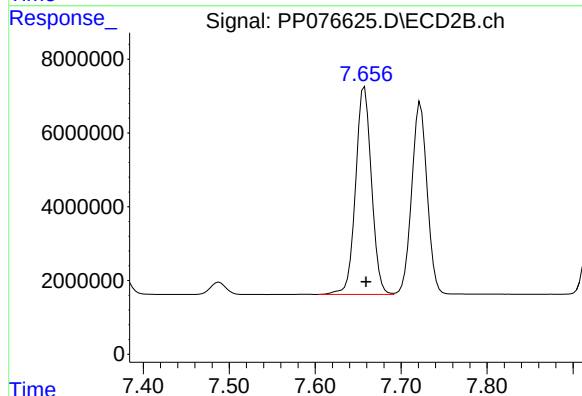
R.T.: 8.768 min
Delta R.T.: -0.001 min
Response: 73906252
Conc: 26.17 ng/ml



#41 AR-1268-1

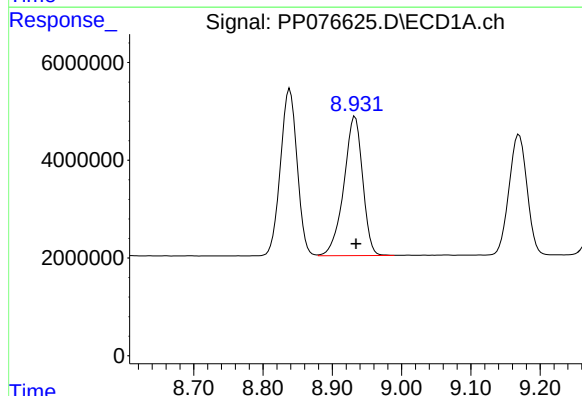
R.T.: 8.839 min
Delta R.T.: -0.001 min
Response: 57155819
Conc: 276.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



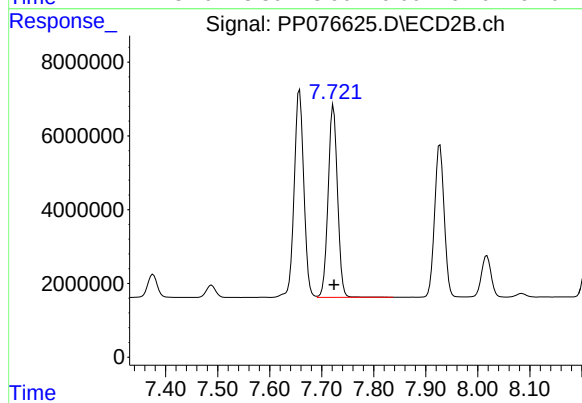
#41 AR-1268-1

R.T.: 7.657 min
Delta R.T.: -0.002 min
Response: 72342388
Conc: 259.00 ng/ml



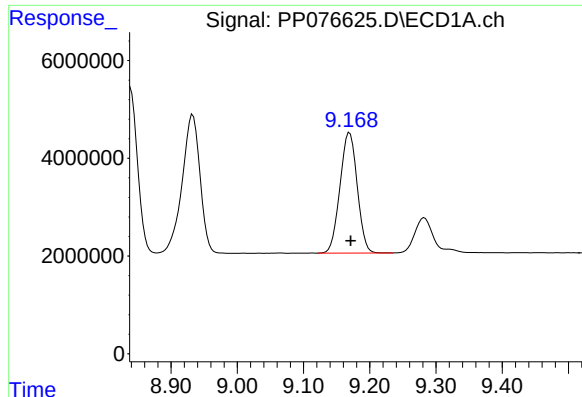
#42 AR-1268-2

R.T.: 8.933 min
Delta R.T.: -0.001 min
Response: 53599740
Conc: 274.90 ng/ml



#42 AR-1268-2

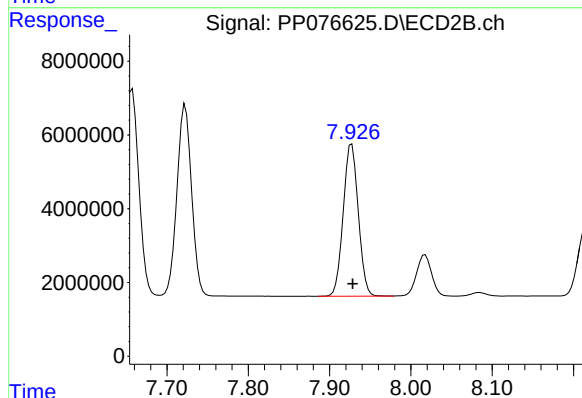
R.T.: 7.723 min
Delta R.T.: -0.001 min
Response: 65439443
Conc: 258.21 ng/ml



#43 AR-1268-3

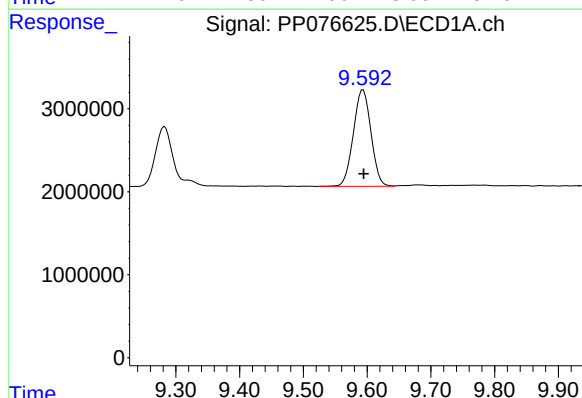
R.T.: 9.170 min
Delta R.T.: -0.001 min
Response: 44597424
Conc: 276.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



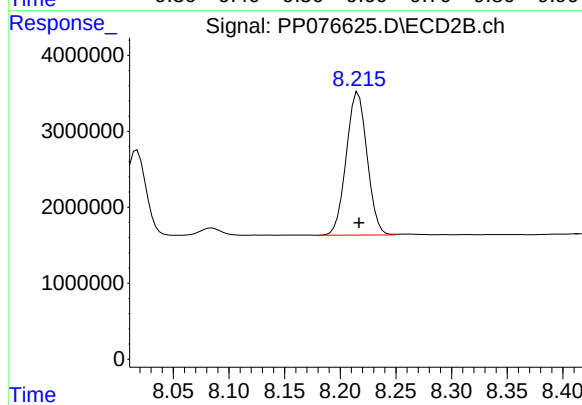
#43 AR-1268-3

R.T.: 7.927 min
Delta R.T.: -0.001 min
Response: 52973859
Conc: 258.03 ng/ml



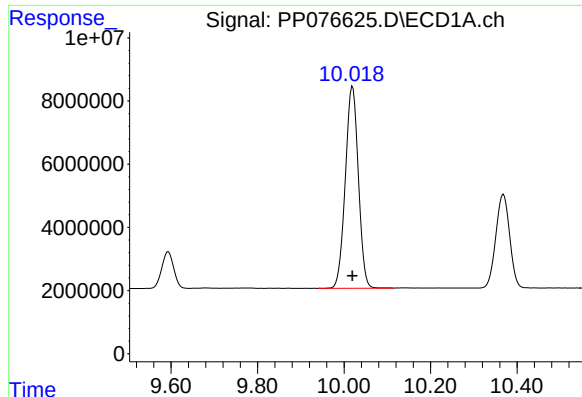
#44 AR-1268-4

R.T.: 9.594 min
Delta R.T.: 0.000 min
Response: 22309085
Conc: 272.66 ng/ml



#44 AR-1268-4

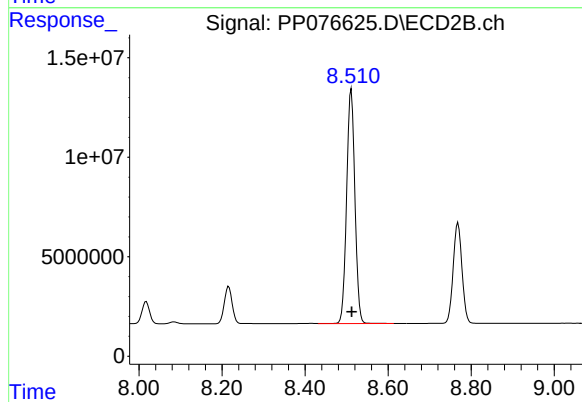
R.T.: 8.216 min
Delta R.T.: -0.001 min
Response: 24532687
Conc: 262.46 ng/ml



#45 AR-1268-5

R.T.: 10.020 min
Delta R.T.: 0.000 min
Response: 132570304
Conc: 272.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.511 min
Delta R.T.: -0.001 min
Response: 162699624
Conc: 254.79 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076626.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 19:39
 Operator : YP\AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:35:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:33:02 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...	4.616	3.772	10227248	10044450	5.855	4.882
2) SA Decachlor...	10.366	8.768	14349189	15432856	6.090	5.465
Target Compounds						
41) L9 AR-1268-1	8.837	7.657	12862337	14927689	62.242	53.444
42) L9 AR-1268-2	8.931	7.722	11856027	13334917	60.806	52.617
43) L9 AR-1268-3	9.168	7.927	9721766	10931625	60.287	53.246
44) L9 AR-1268-4	9.592	8.215	4779518	4940340	58.415	52.854
45) L9 AR-1268-5	10.018	8.511	29573273	32117281	60.769	50.297

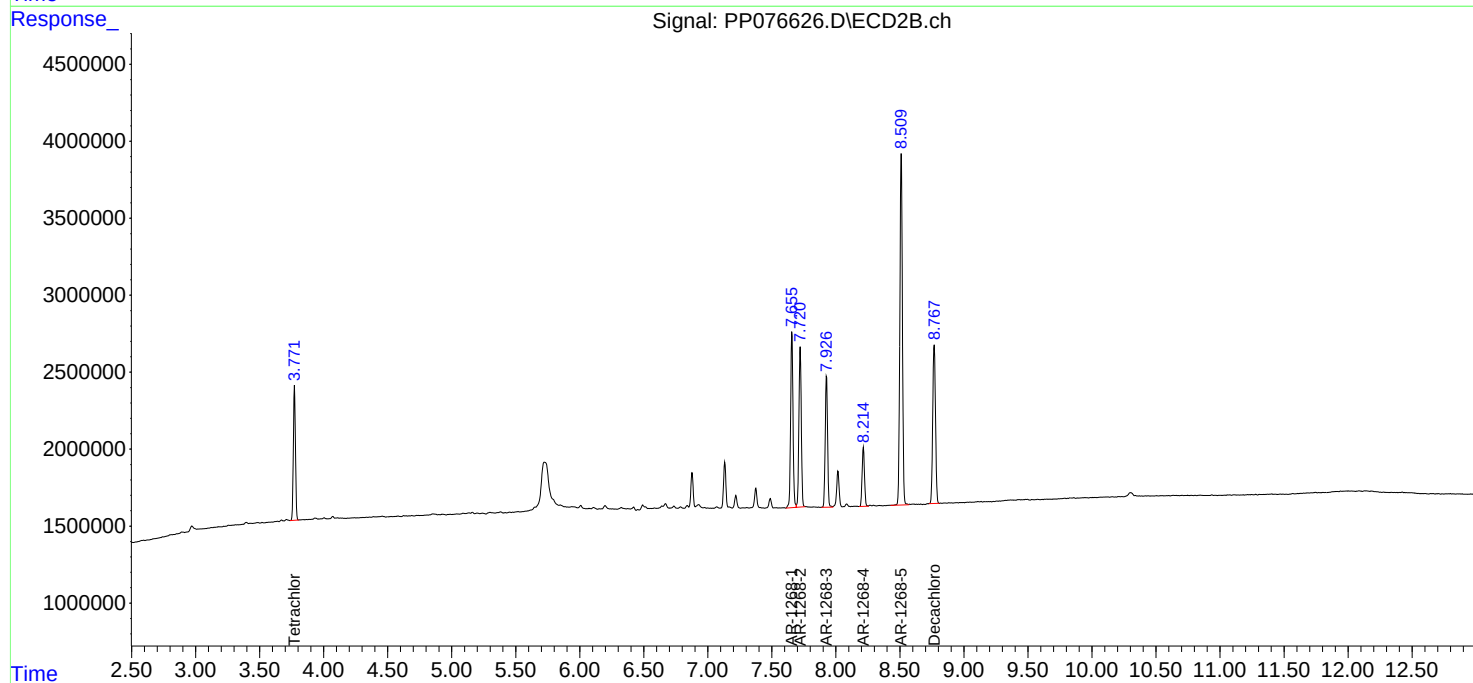
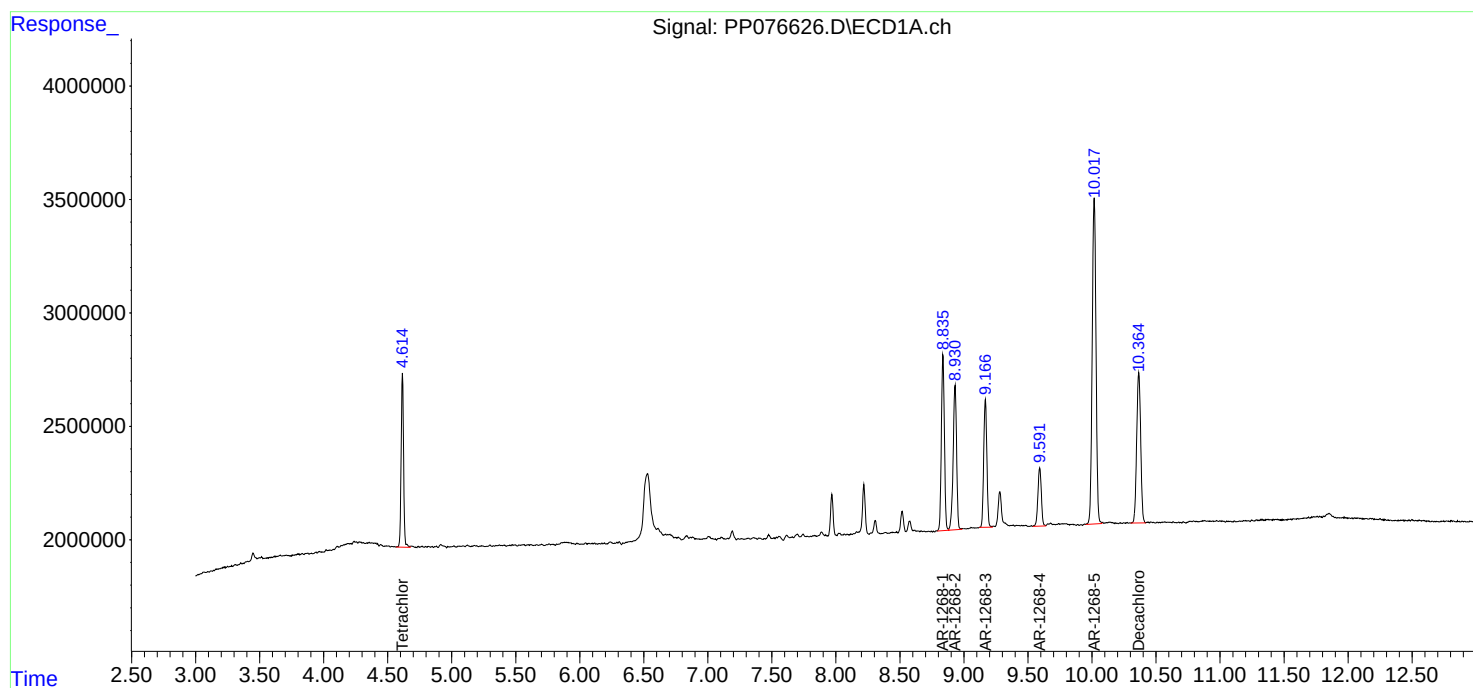
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

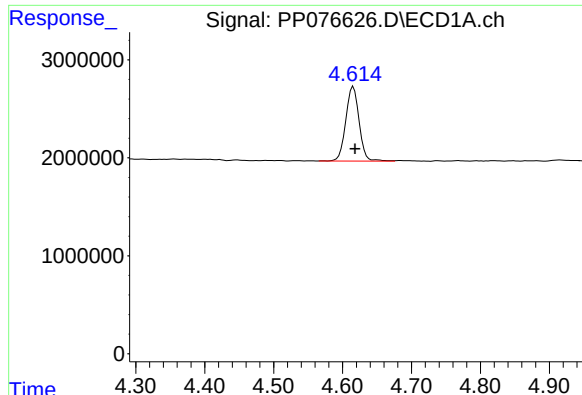
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 19:39
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:35:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:33:02 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

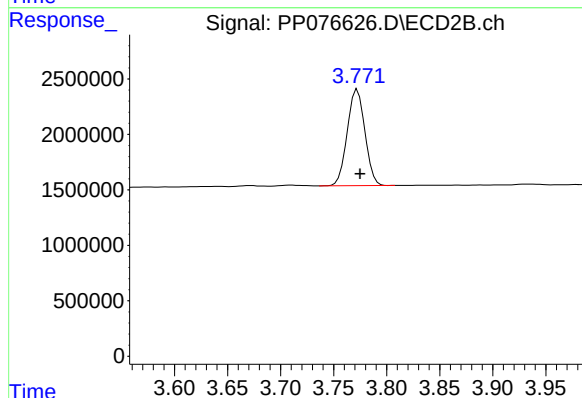




#1 Tetrachloro-m-xylene

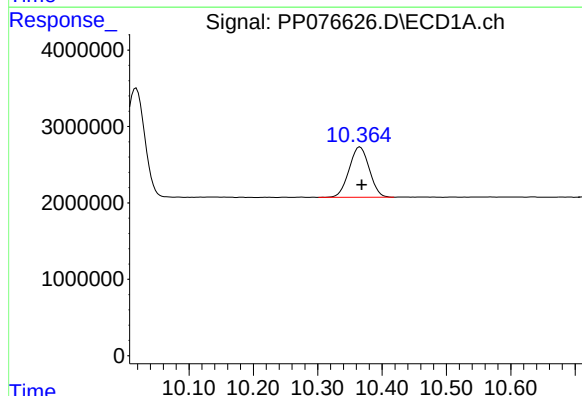
R.T.: 4.616 min
Delta R.T.: -0.002 min
Response: 10227248
Conc: 5.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



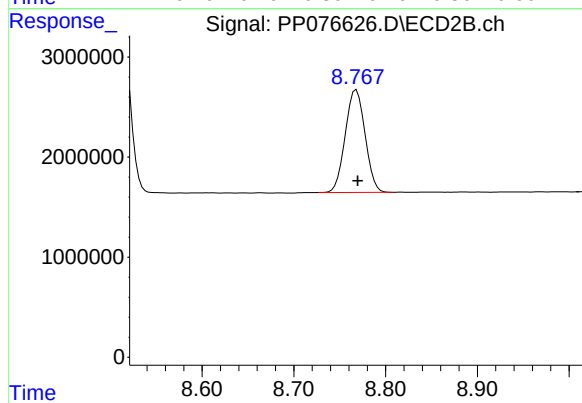
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: -0.002 min
Response: 10044450
Conc: 4.88 ng/ml



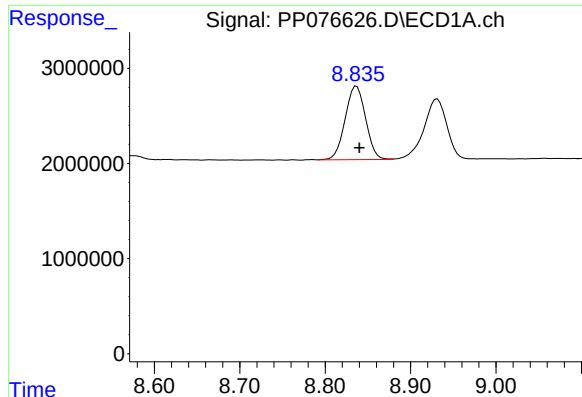
#2 Decachlorobiphenyl

R.T.: 10.366 min
Delta R.T.: -0.003 min
Response: 14349189
Conc: 6.09 ng/ml



#2 Decachlorobiphenyl

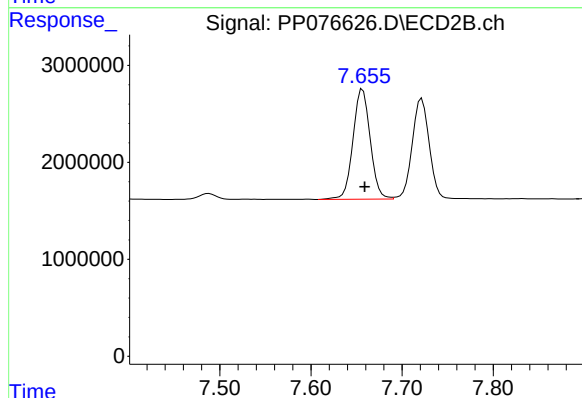
R.T.: 8.768 min
Delta R.T.: -0.001 min
Response: 15432856
Conc: 5.47 ng/ml



#41 AR-1268-1

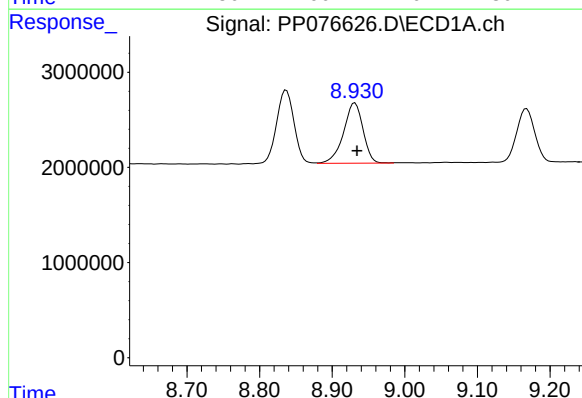
R.T.: 8.837 min
Delta R.T.: -0.003 min
Response: 12862337
Conc: 62.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



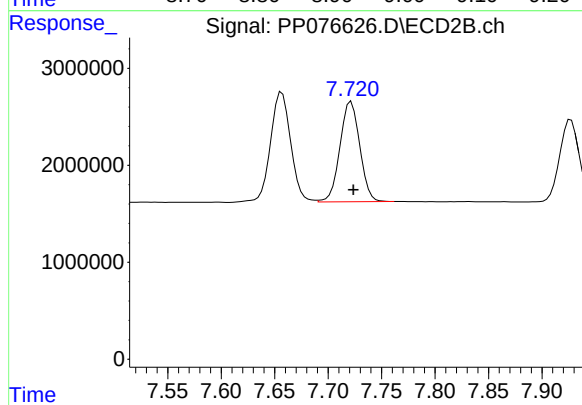
#41 AR-1268-1

R.T.: 7.657 min
Delta R.T.: -0.002 min
Response: 14927689
Conc: 53.44 ng/ml



#42 AR-1268-2

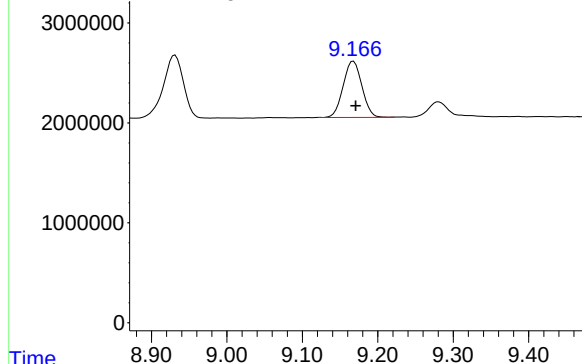
R.T.: 8.931 min
Delta R.T.: -0.003 min
Response: 11856027
Conc: 60.81 ng/ml



#42 AR-1268-2

R.T.: 7.722 min
Delta R.T.: -0.002 min
Response: 13334917
Conc: 52.62 ng/ml

Response_ Signal: PP076626.D\ECD1A.ch

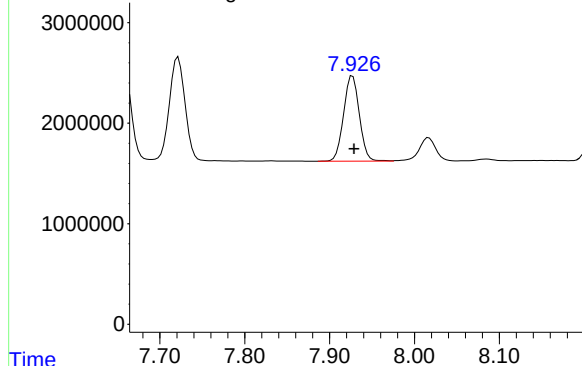


#43 AR-1268-3

R.T.: 9.168 min
Delta R.T.: -0.003 min
Response: 9721766
Conc: 60.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

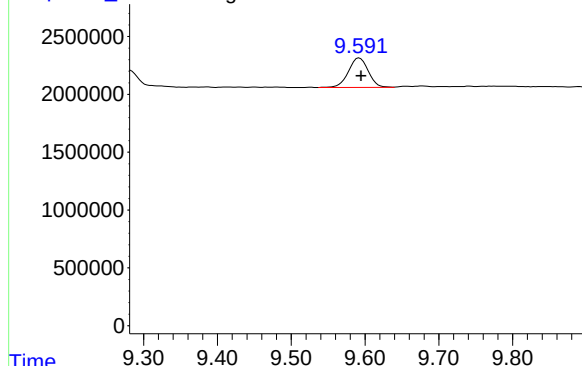
Response_ Signal: PP076626.D\ECD2B.ch



#43 AR-1268-3

R.T.: 7.927 min
Delta R.T.: -0.002 min
Response: 10931625
Conc: 53.25 ng/ml

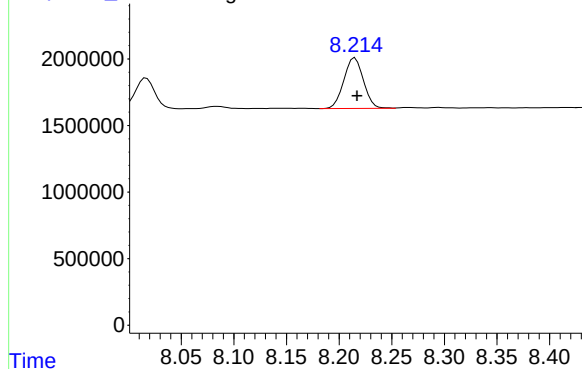
Response_ Signal: PP076626.D\ECD1A.ch



#44 AR-1268-4

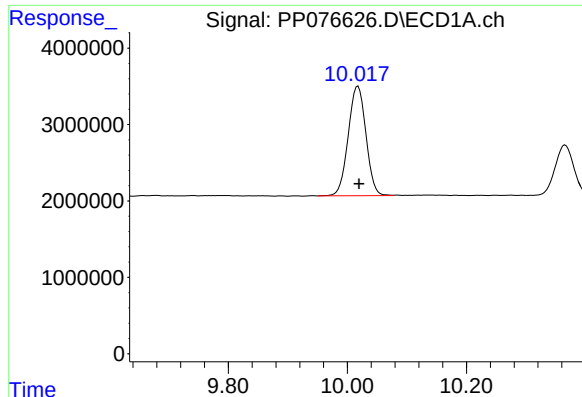
R.T.: 9.592 min
Delta R.T.: -0.002 min
Response: 4779518
Conc: 58.41 ng/ml

Response_ Signal: PP076626.D\ECD2B.ch



#44 AR-1268-4

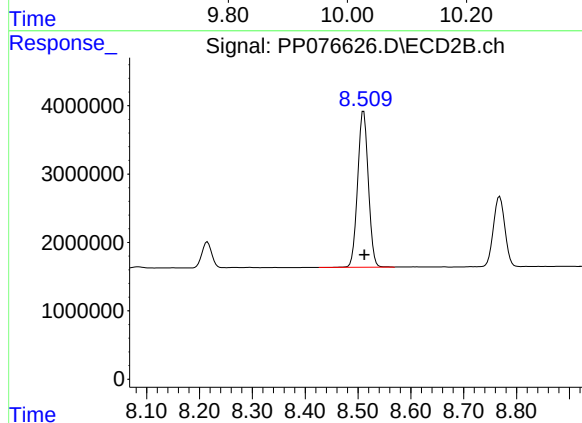
R.T.: 8.215 min
Delta R.T.: -0.002 min
Response: 4940340
Conc: 52.85 ng/ml



#45 AR-1268-5

R.T.: 10.018 min
Delta R.T.: -0.002 min
Response: 29573273
Conc: 60.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.511 min
Delta R.T.: -0.002 min
Response: 32117281
Conc: 50.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076627.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 20:12
 Operator : YP\AJ
 Sample : PP112125ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP112125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:54:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.616	3.773	92628358	107.4E6	50.465	51.558
2) SA Decachlor...	10.367	8.768	74858680	86733679	49.950	49.154
Target Compounds						
3) L1 AR-1016-1	5.769	4.852	33843058	37790807	501.268	502.733
4) L1 AR-1016-2	5.790	4.869	51346401	56545131	508.845	508.533
5) L1 AR-1016-3	5.852	5.044	32921370	29542335	506.526	509.669
6) L1 AR-1016-4	5.950	5.086	27314850	23548841	510.144	503.711
7) L1 AR-1016-5	6.242	5.299	26420273	31023356	512.327	500.858
31) L7 AR-1260-1	7.359	6.327	43424185	54160124	499.953	496.417
32) L7 AR-1260-2	7.611	6.514	50797841	65647208	491.485	493.657
33) L7 AR-1260-3	7.970	6.666	40220815	61380157	500.353	495.425
34) L7 AR-1260-4	8.196	7.135	47484616	52212762	506.927	502.633
35) L7 AR-1260-5	8.520	7.376	85233066	124.6E6	501.323	504.343

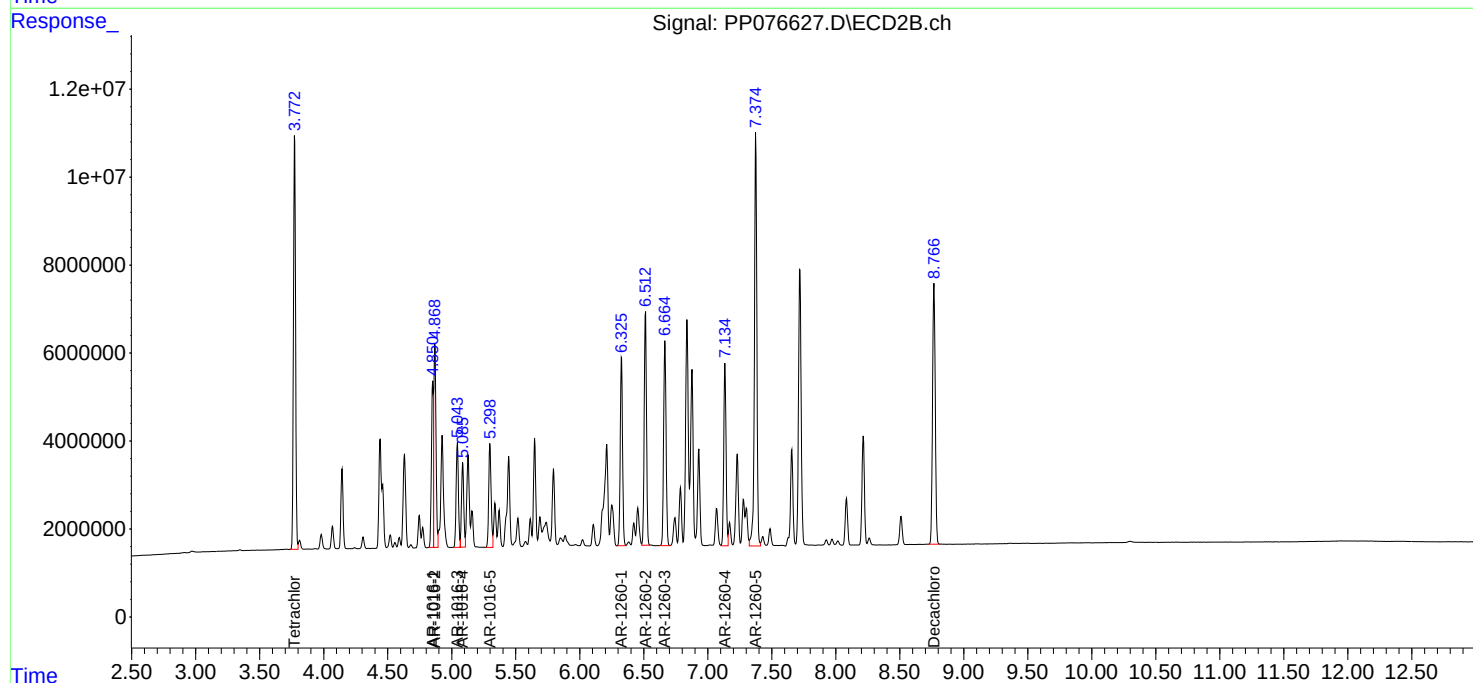
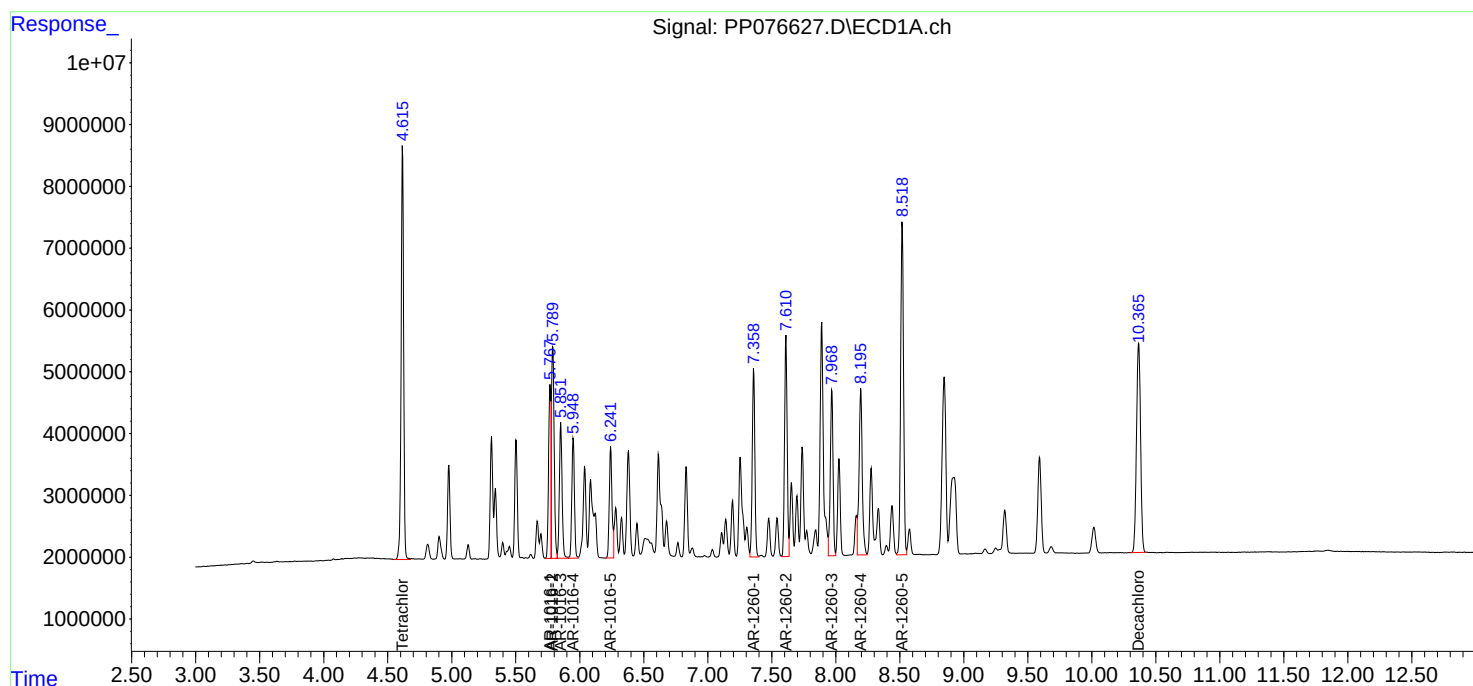
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

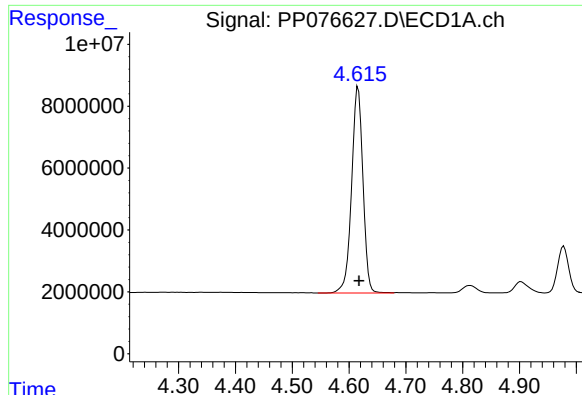
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 20:12
Operator : YP\AJ
Sample : PP112125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP112125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

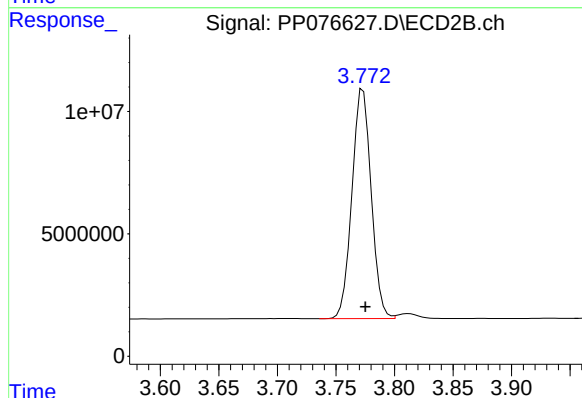




#1 Tetrachloro-m-xylene

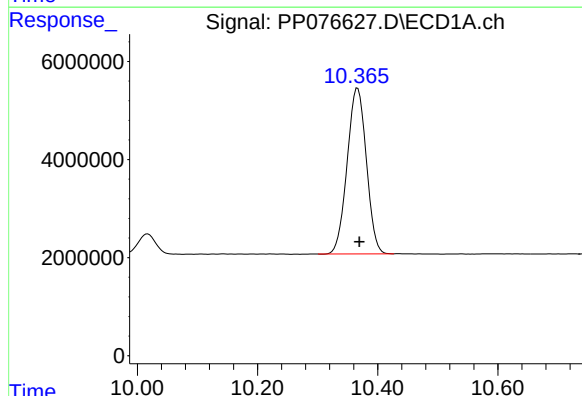
R.T.: 4.616 min
Delta R.T.: -0.002 min
Response: 92628358
Conc: 50.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125



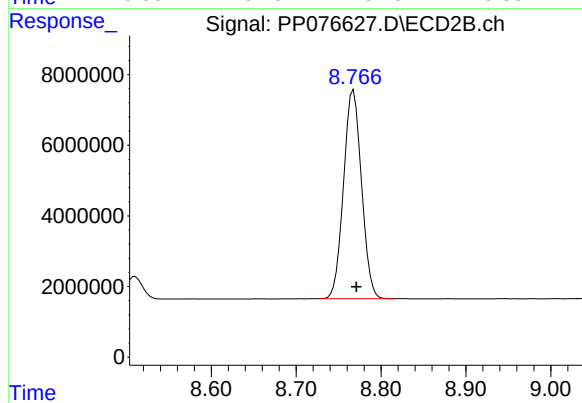
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: -0.002 min
Response: 107391992
Conc: 51.56 ng/ml



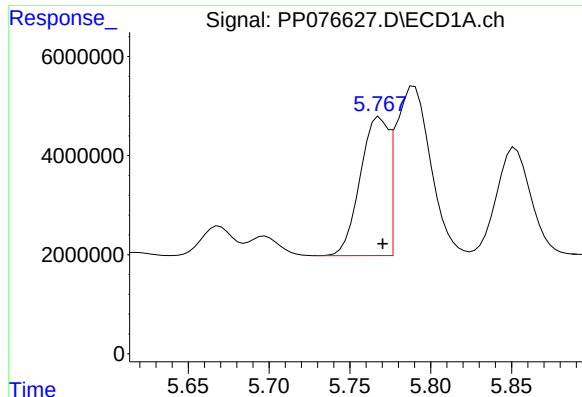
#2 Decachlorobiphenyl

R.T.: 10.367 min
Delta R.T.: -0.003 min
Response: 74858680
Conc: 49.95 ng/ml



#2 Decachlorobiphenyl

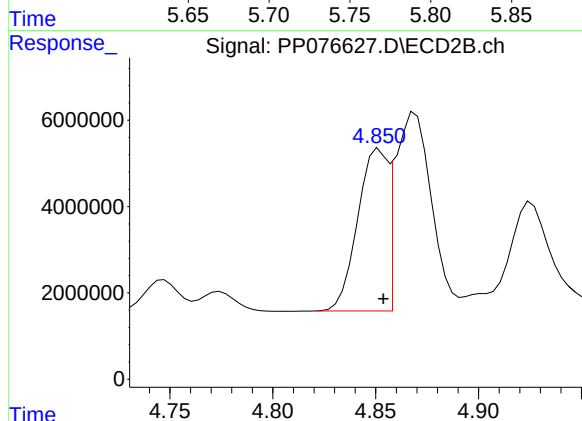
R.T.: 8.768 min
Delta R.T.: -0.004 min
Response: 86733679
Conc: 49.15 ng/ml



#3 AR-1016-1

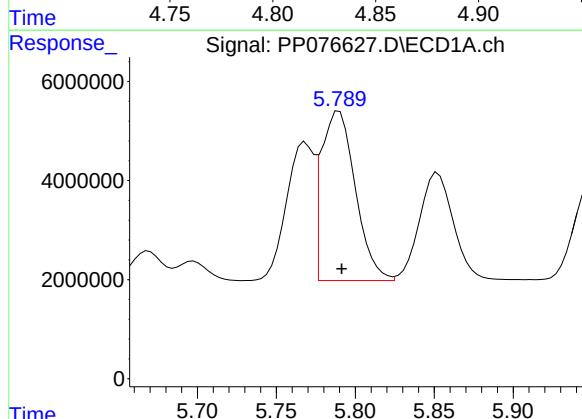
R.T.: 5.769 min
Delta R.T.: -0.002 min
Response: 33843058
Conc: 501.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125



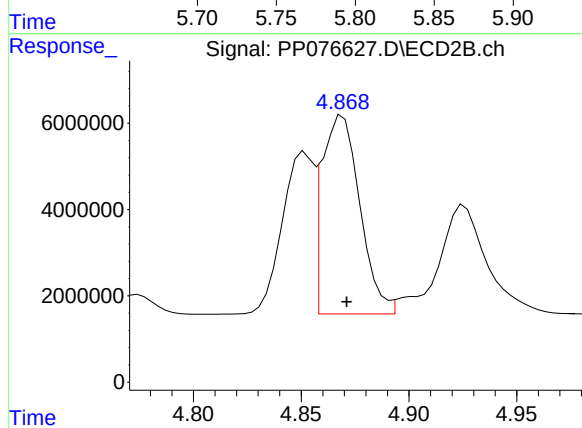
#3 AR-1016-1

R.T.: 4.852 min
Delta R.T.: -0.002 min
Response: 37790807
Conc: 502.73 ng/ml



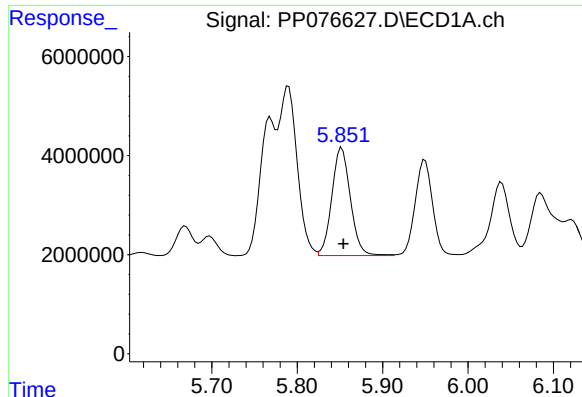
#4 AR-1016-2

R.T.: 5.790 min
Delta R.T.: -0.002 min
Response: 51346401
Conc: 508.84 ng/ml



#4 AR-1016-2

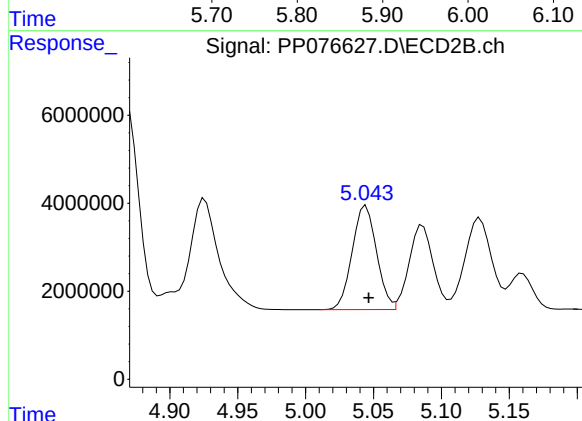
R.T.: 4.869 min
Delta R.T.: -0.002 min
Response: 56545131
Conc: 508.53 ng/ml



#5 AR-1016-3

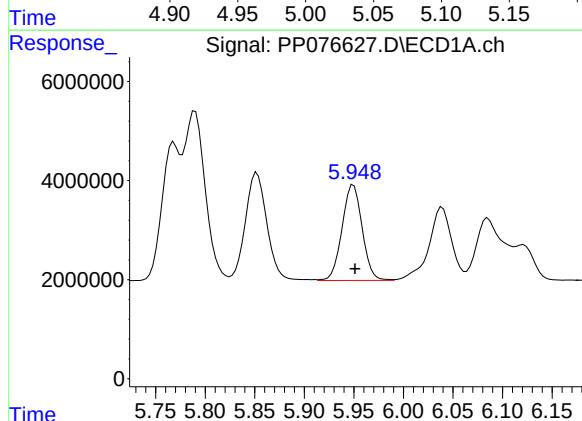
R.T.: 5.852 min
Delta R.T.: -0.002 min
Response: 32921370
Conc: 506.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125



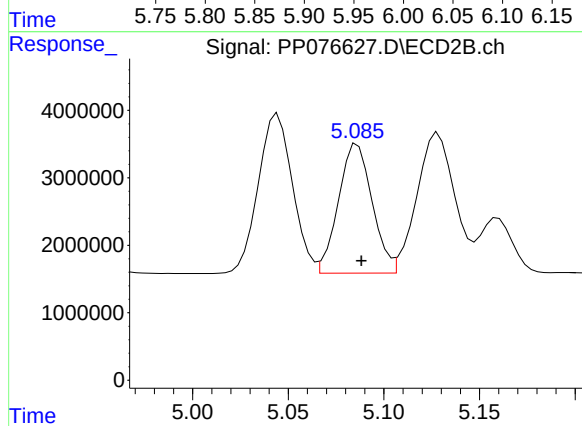
#5 AR-1016-3

R.T.: 5.044 min
Delta R.T.: -0.002 min
Response: 29542335
Conc: 509.67 ng/ml



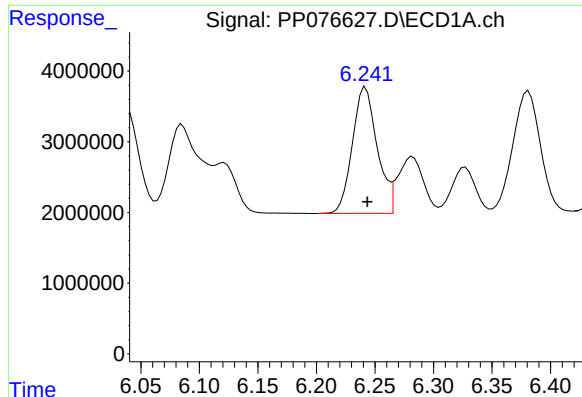
#6 AR-1016-4

R.T.: 5.950 min
Delta R.T.: -0.002 min
Response: 27314850
Conc: 510.14 ng/ml



#6 AR-1016-4

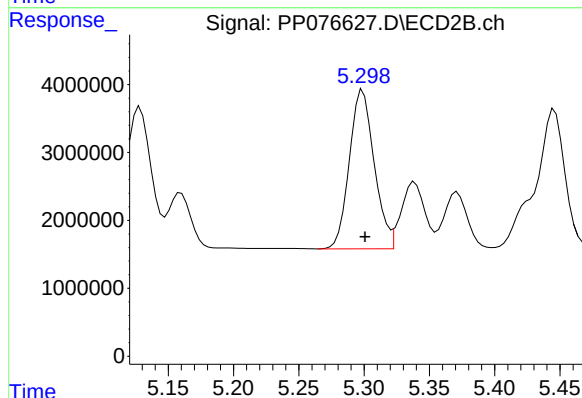
R.T.: 5.086 min
Delta R.T.: -0.002 min
Response: 23548841
Conc: 503.71 ng/ml



#7 AR-1016-5

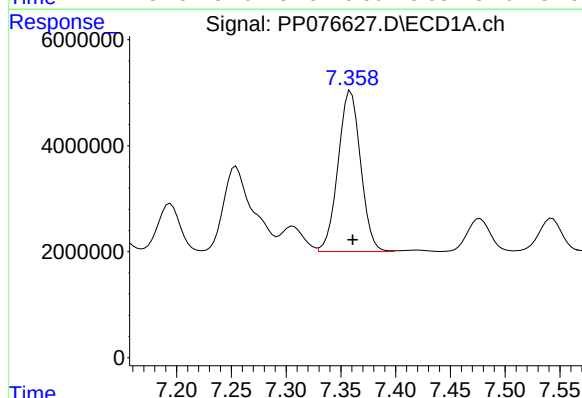
R.T.: 6.242 min
Delta R.T.: -0.002 min
Response: 26420273
Conc: 512.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125



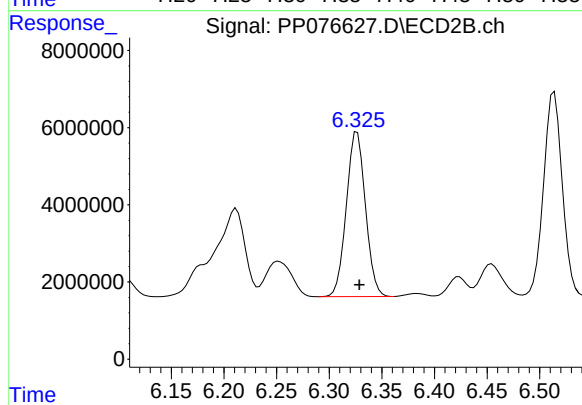
#7 AR-1016-5

R.T.: 5.299 min
Delta R.T.: -0.002 min
Response: 31023356
Conc: 500.86 ng/ml



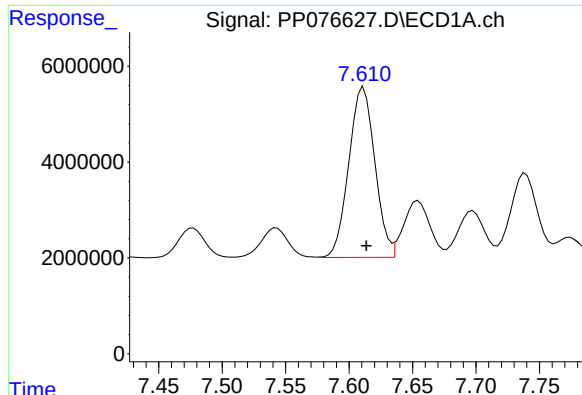
#31 AR-1260-1

R.T.: 7.359 min
Delta R.T.: -0.002 min
Response: 43424185
Conc: 499.95 ng/ml



#31 AR-1260-1

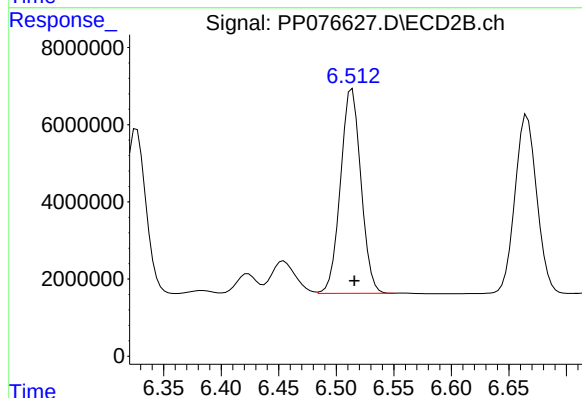
R.T.: 6.327 min
Delta R.T.: -0.002 min
Response: 54160124
Conc: 496.42 ng/ml



#32 AR-1260-2

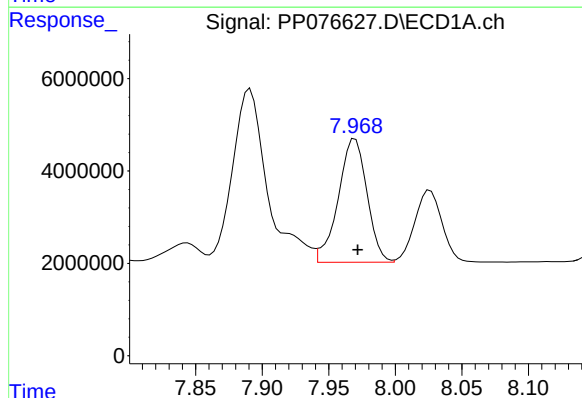
R.T.: 7.611 min
Delta R.T.: -0.002 min
Response: 50797841
Conc: 491.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125



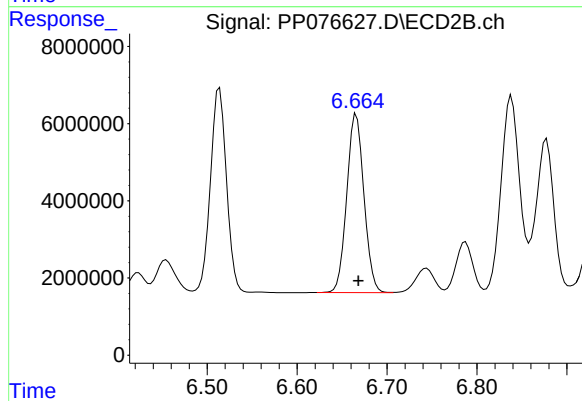
#32 AR-1260-2

R.T.: 6.514 min
Delta R.T.: -0.002 min
Response: 65647208
Conc: 493.66 ng/ml



#33 AR-1260-3

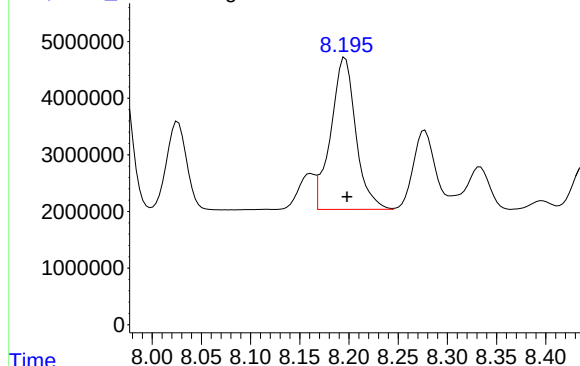
R.T.: 7.970 min
Delta R.T.: -0.002 min
Response: 40220815
Conc: 500.35 ng/ml



#33 AR-1260-3

R.T.: 6.666 min
Delta R.T.: -0.002 min
Response: 61380157
Conc: 495.43 ng/ml

Response_ Signal: PP076627.D\ECD1A.ch

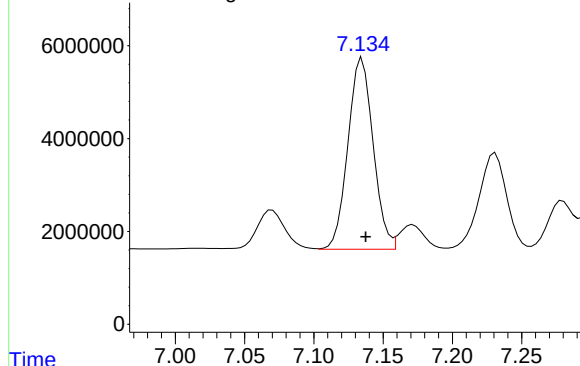


#34 AR-1260-4

R.T.: 8.196 min
Delta R.T.: -0.002 min
Response: 47484616
Conc: 506.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125

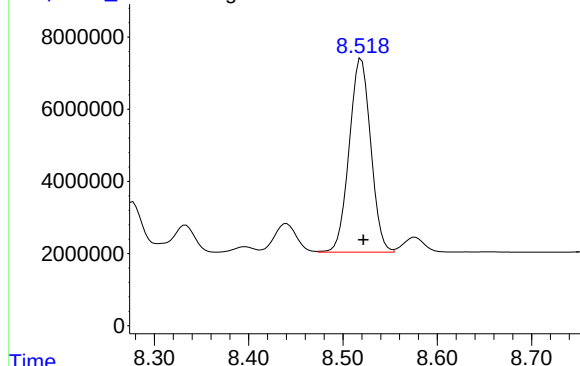
Time Response_ Signal: PP076627.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.135 min
Delta R.T.: -0.003 min
Response: 52212762
Conc: 502.63 ng/ml

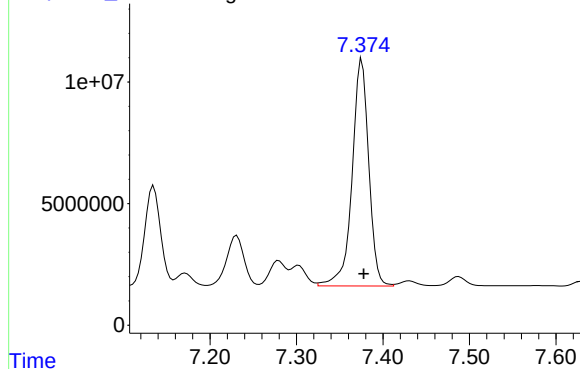
Time Response_ Signal: PP076627.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.520 min
Delta R.T.: -0.002 min
Response: 85233066
Conc: 501.32 ng/ml

Time Response_ Signal: PP076627.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.376 min
Delta R.T.: -0.002 min
Response: 124634698
Conc: 504.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076628.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 20:45
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP112125AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:54:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.618	3.775	87126364	100.7E6	47.467	48.357
2) SA Decachlor...	10.369	8.770	71509352	82086035	47.715	46.520
Target Compounds						
16) L4 AR-1242-1	5.770	4.854	26651593	29108844	513.196	506.296
17) L4 AR-1242-2	5.791	4.871	40592076	43377201	522.443	514.662
18) L4 AR-1242-3	5.855	5.047	25806516	22731708	512.889	516.154
19) L4 AR-1242-4	5.952	5.131	21290665	22216887	512.029	513.688
20) L4 AR-1242-5	6.681	5.650	23651045	28482221	511.627	488.358

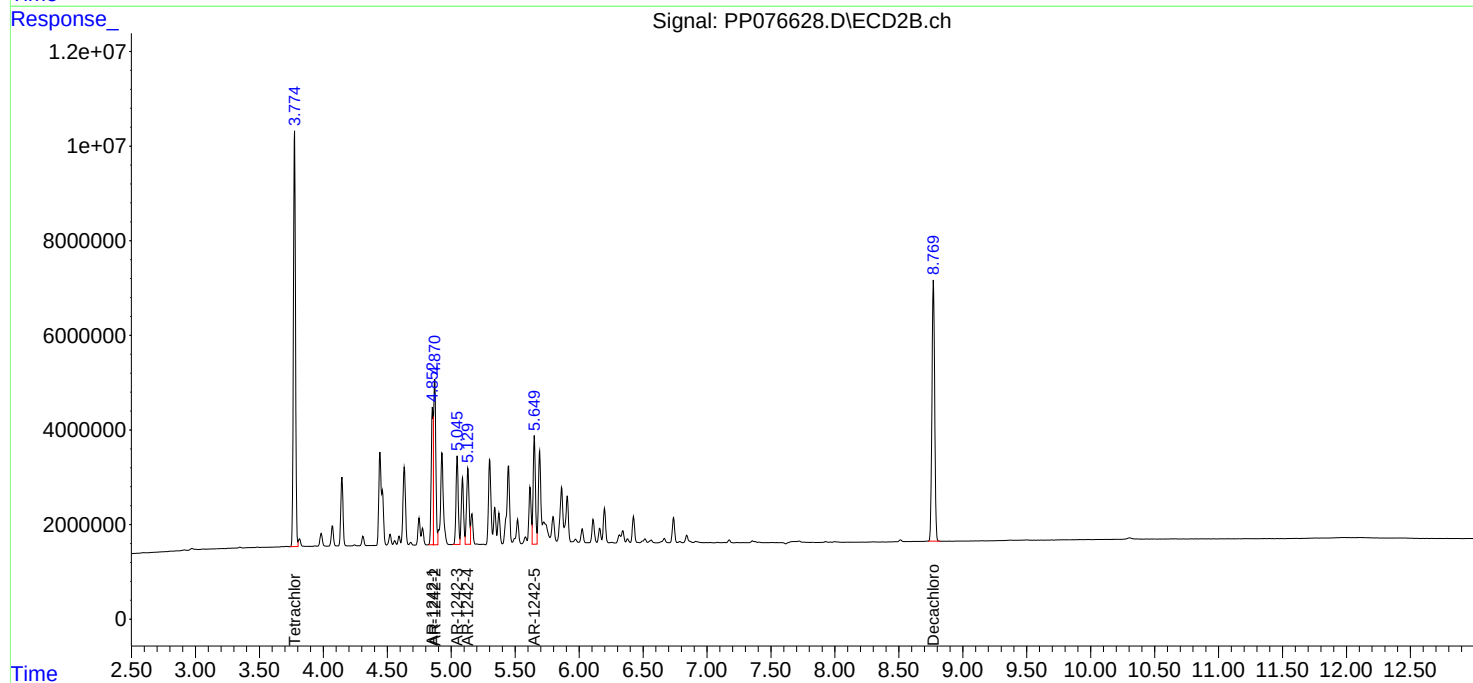
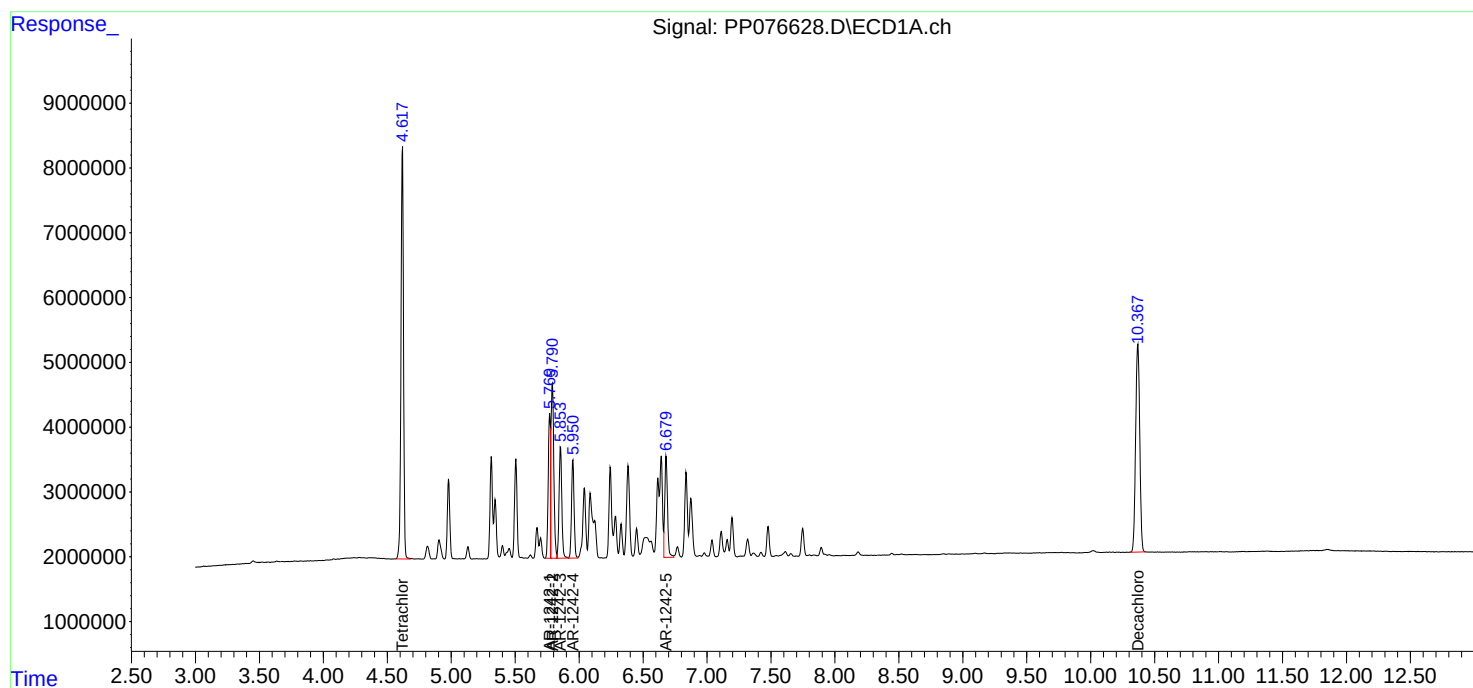
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

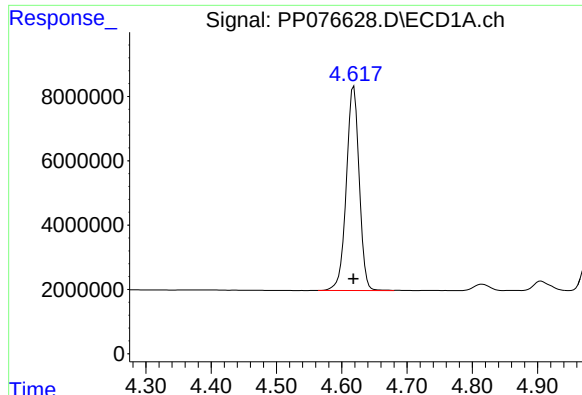
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 20:45
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:54:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

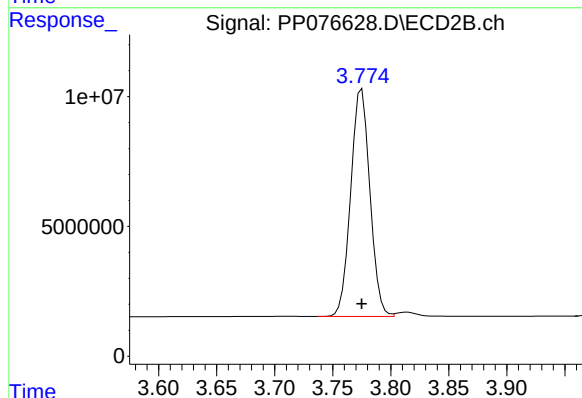




#1 Tetrachloro-m-xylene

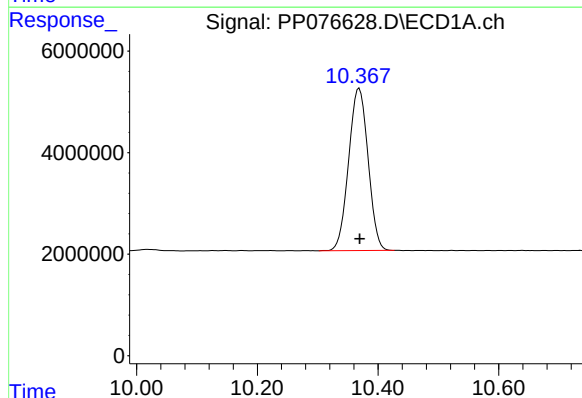
R.T.: 4.618 min
Delta R.T.: 0.000 min
Response: 87126364
Conc: 47.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1242



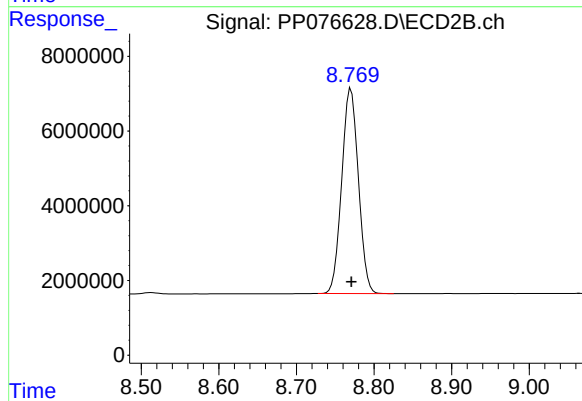
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: 0.000 min
Response: 100724042
Conc: 48.36 ng/ml



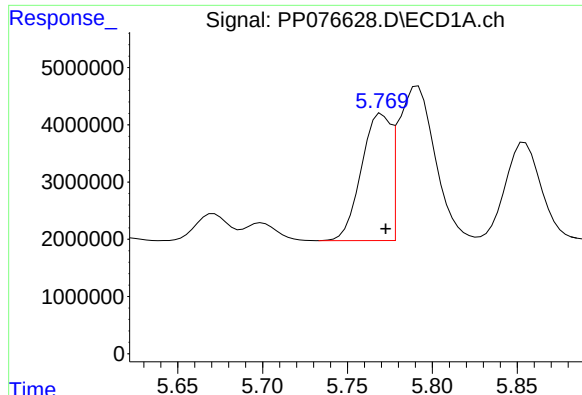
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 71509352
Conc: 47.71 ng/ml



#2 Decachlorobiphenyl

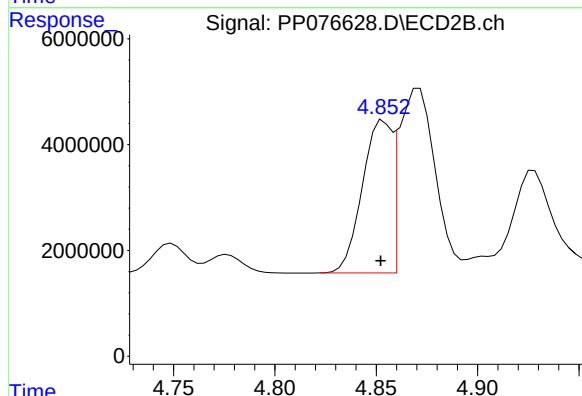
R.T.: 8.770 min
Delta R.T.: 0.000 min
Response: 82086035
Conc: 46.52 ng/ml



#16 AR-1242-1

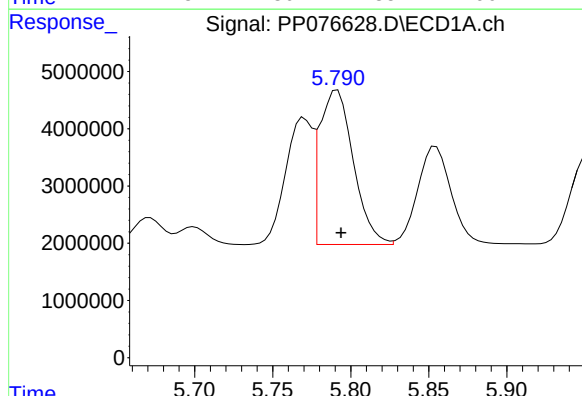
R.T.: 5.770 min
Delta R.T.: -0.002 min
Response: 26651593
Conc: 513.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1242



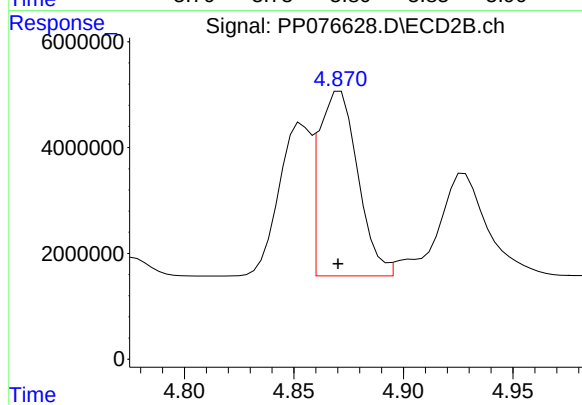
#16 AR-1242-1

R.T.: 4.854 min
Delta R.T.: 0.002 min
Response: 29108844
Conc: 506.30 ng/ml



#17 AR-1242-2

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 40592076
Conc: 522.44 ng/ml



#17 AR-1242-2

R.T.: 4.871 min
Delta R.T.: 0.001 min
Response: 43377201
Conc: 514.66 ng/ml

Response_ Signal: PP076628.D\ECD1A.ch

#18 AR-1242-3

R.T.: 5.855 min
Delta R.T.: -0.002 min
Response: 25806516
Conc: 512.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1242

Time

Response_ Signal: PP076628.D\ECD2B.ch

#18 AR-1242-3

R.T.: 5.047 min
Delta R.T.: 0.002 min
Response: 22731708
Conc: 516.15 ng/ml

Time

Response_ Signal: PP076628.D\ECD1A.ch

#19 AR-1242-4

R.T.: 5.952 min
Delta R.T.: -0.002 min
Response: 21290665
Conc: 512.03 ng/ml

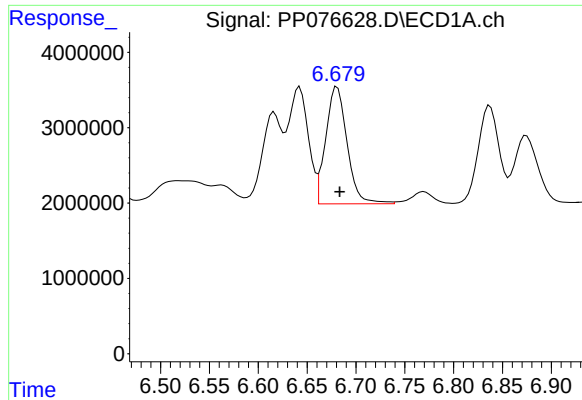
Time

Response_ Signal: PP076628.D\ECD2B.ch

#19 AR-1242-4

R.T.: 5.131 min
Delta R.T.: 0.001 min
Response: 22216887
Conc: 513.69 ng/ml

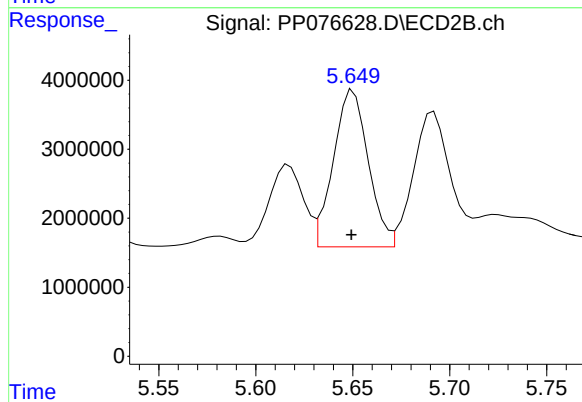
Time



#20 AR-1242-5

R.T.: 6.681 min
Delta R.T.: -0.003 min
Response: 23651045
Conc: 511.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1242



#20 AR-1242-5

R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 28482221
Conc: 488.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076629.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 21:18
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP112125AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:55:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.615	3.772	85702410	101.0E6	46.691	48.500
2) SA Decachlor...	10.366	8.767	70273483	79644079	46.890	45.136
Target Compounds						
21) L5 AR-1248-1	5.767	4.850	20629800	22210972	509.886	503.924
22) L5 AR-1248-2	6.038	5.085	28674387	29655214	508.512	509.298
23) L5 AR-1248-3	6.241	5.127	31753050	31339612	509.552	510.549
24) L5 AR-1248-4	6.639	5.298	36777308	36884362	496.014	503.987
25) L5 AR-1248-5	6.678	5.688	36912181	39220397	507.635	466.020

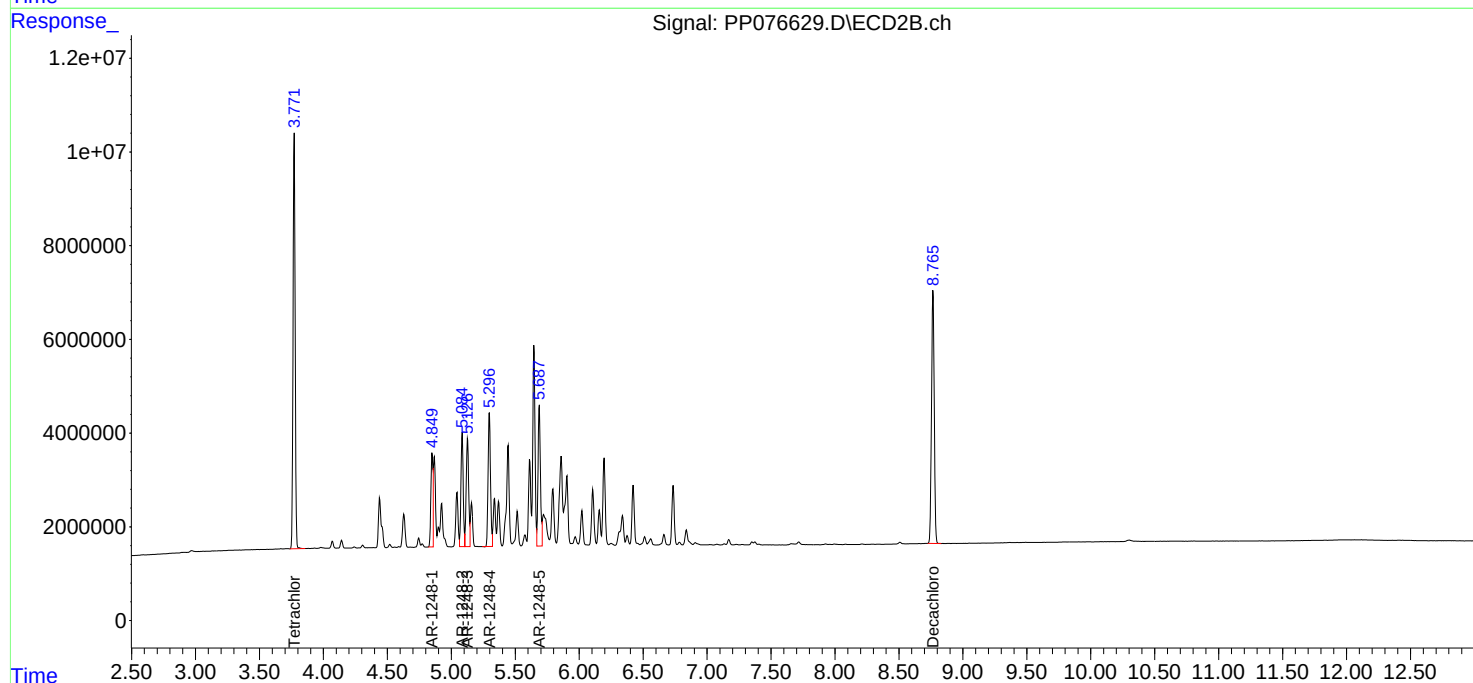
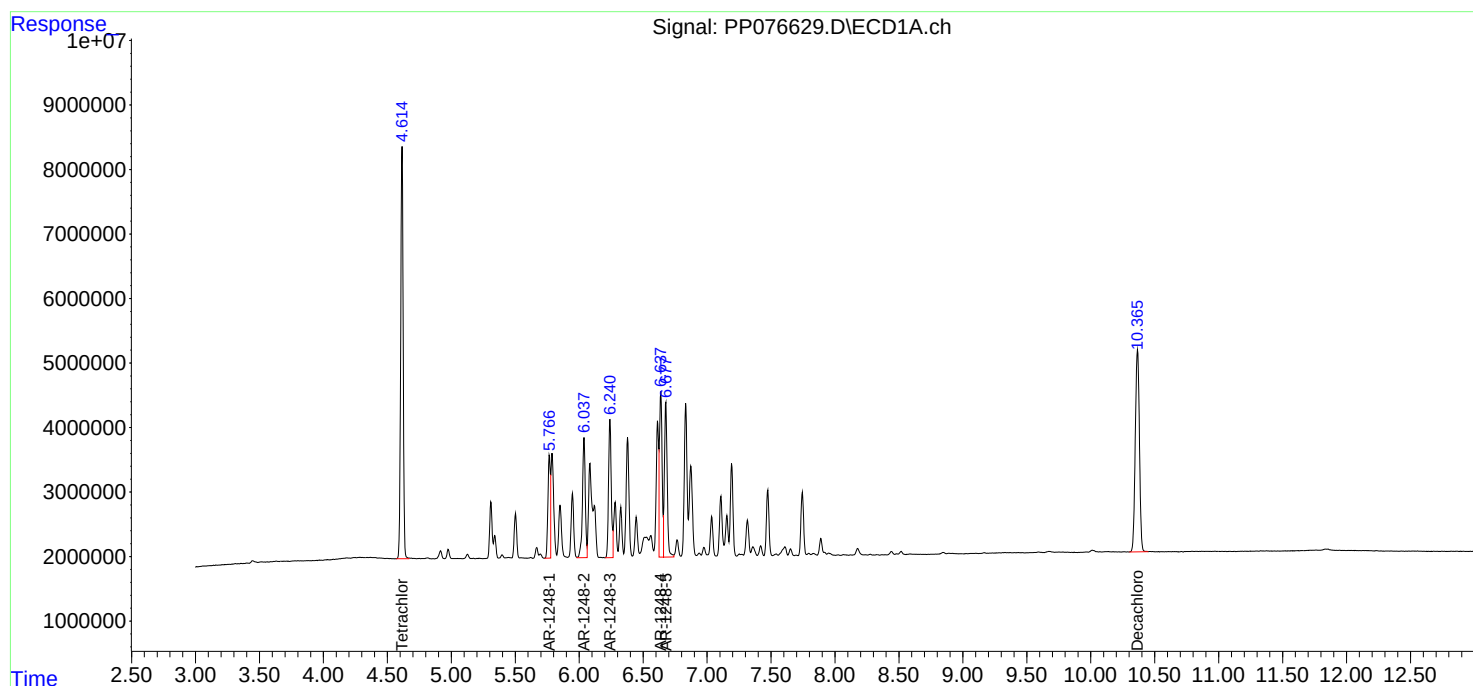
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

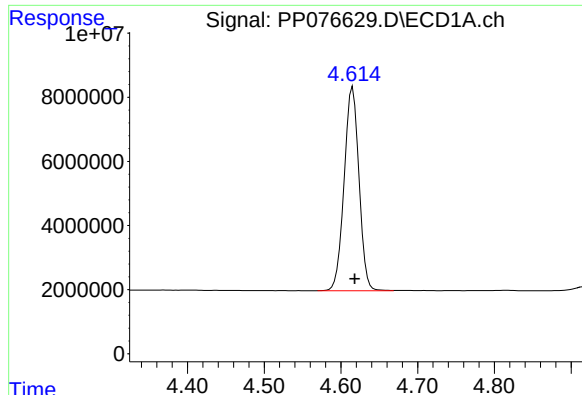
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 21:18
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:55:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

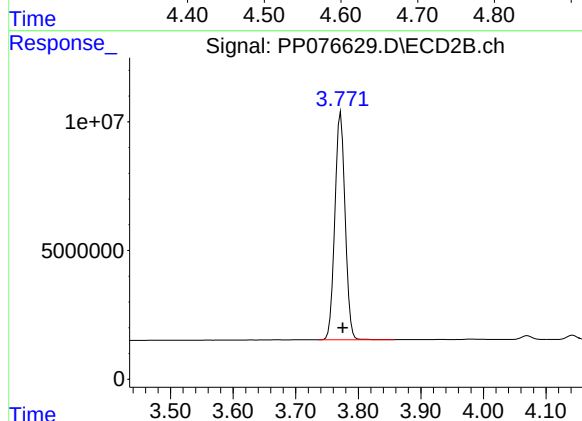




#1 Tetrachloro-m-xylene

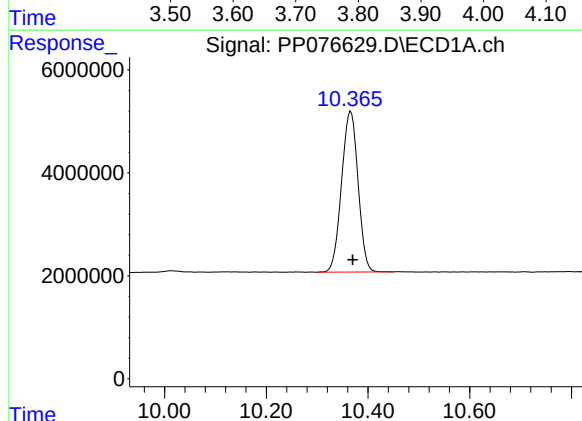
R.T.: 4.615 min
Delta R.T.: -0.003 min
Response: 85702410
Conc: 46.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1248



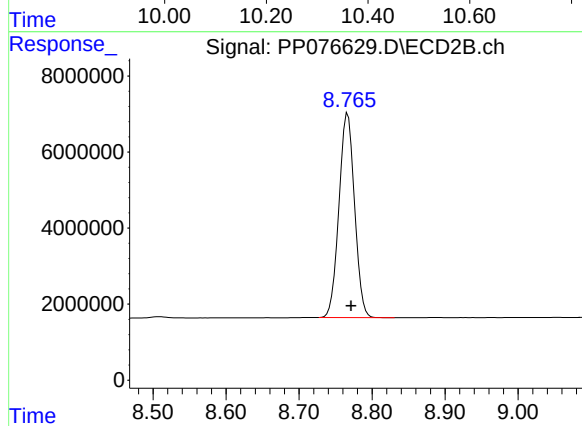
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: -0.003 min
Response: 101022735
Conc: 48.50 ng/ml



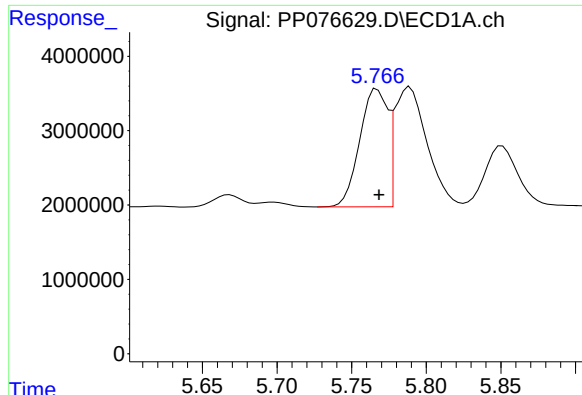
#2 Decachlorobiphenyl

R.T.: 10.366 min
Delta R.T.: -0.004 min
Response: 70273483
Conc: 46.89 ng/ml



#2 Decachlorobiphenyl

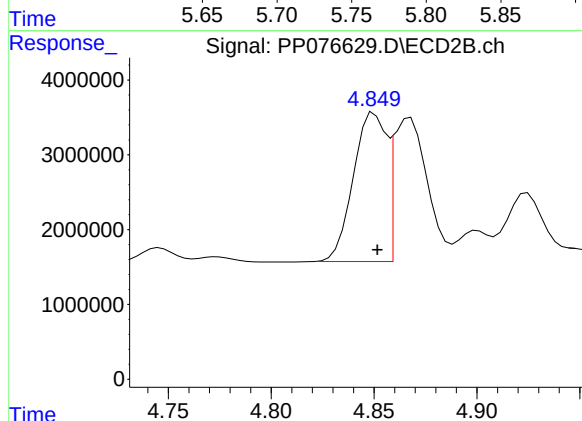
R.T.: 8.767 min
Delta R.T.: -0.004 min
Response: 79644079
Conc: 45.14 ng/ml



#21 AR-1248-1

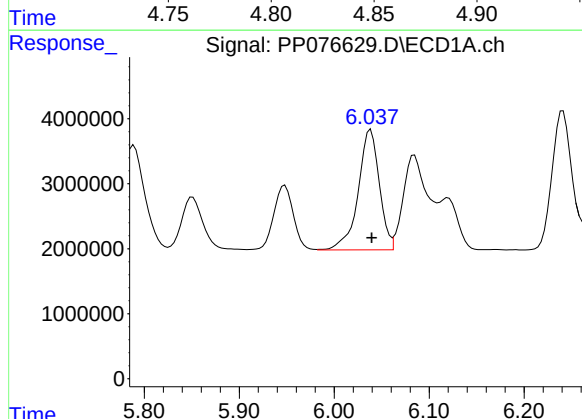
R.T.: 5.767 min
Delta R.T.: -0.001 min
Response: 20629800
Conc: 509.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1248



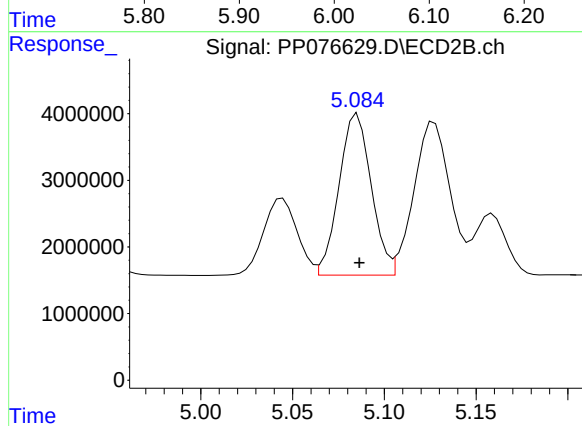
#21 AR-1248-1

R.T.: 4.850 min
Delta R.T.: -0.001 min
Response: 22210972
Conc: 503.92 ng/ml



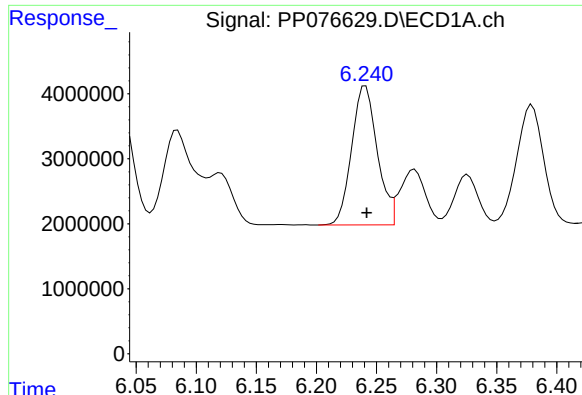
#22 AR-1248-2

R.T.: 6.038 min
Delta R.T.: -0.001 min
Response: 28674387
Conc: 508.51 ng/ml



#22 AR-1248-2

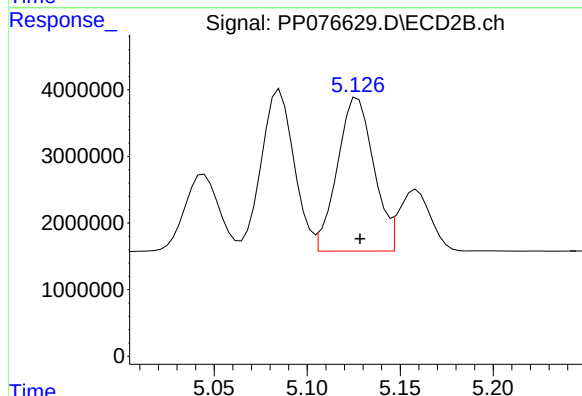
R.T.: 5.085 min
Delta R.T.: 0.000 min
Response: 29655214
Conc: 509.30 ng/ml



#23 AR-1248-3

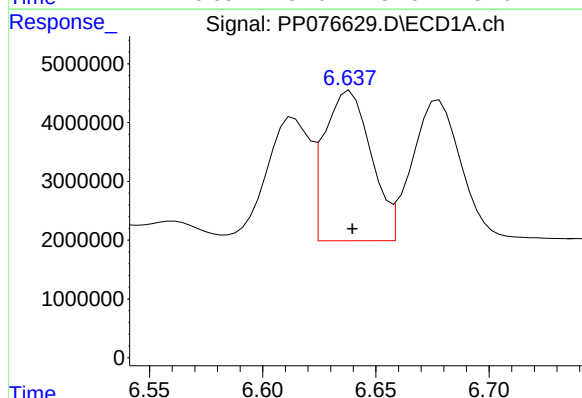
R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 31753050
Conc: 509.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1248



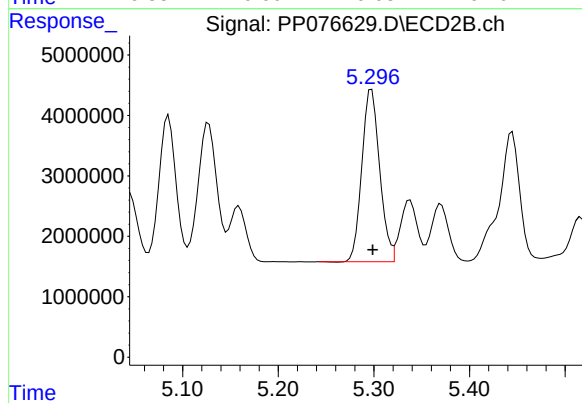
#23 AR-1248-3

R.T.: 5.127 min
Delta R.T.: -0.001 min
Response: 31339612
Conc: 510.55 ng/ml



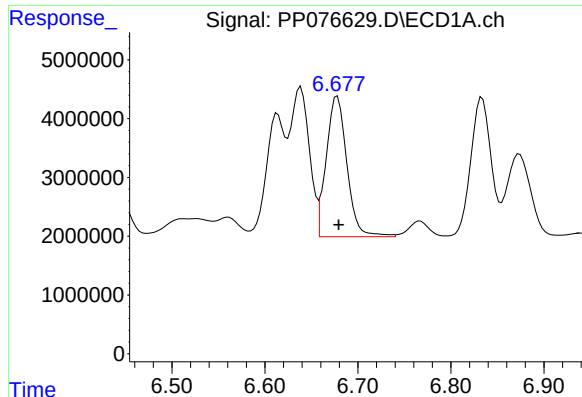
#24 AR-1248-4

R.T.: 6.639 min
Delta R.T.: -0.001 min
Response: 36777308
Conc: 496.01 ng/ml



#24 AR-1248-4

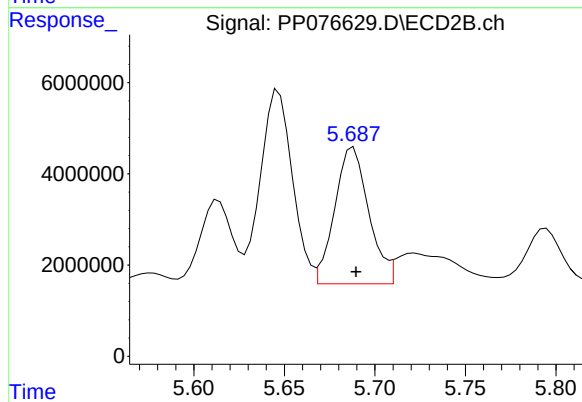
R.T.: 5.298 min
Delta R.T.: -0.001 min
Response: 36884362
Conc: 503.99 ng/ml



#25 AR-1248-5

R.T.: 6.678 min
Delta R.T.: -0.001 min
Response: 36912181
Conc: 507.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1248



#25 AR-1248-5

R.T.: 5.688 min
Delta R.T.: -0.001 min
Response: 39220397
Conc: 466.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076630.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 21:51
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP112125AR1254

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/24/2025
 Supervised By : mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:23:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:22:58 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...	4.619	3.776	86531347	101.1E6	49.253	50.222
2) SA Decachlor...	10.369	8.771	72633778	82942262	49.546	49.642
Target Compounds						
26) L6 AR-1254-1	6.618	5.651	39599631	57998675	493.644m	490.512
27) L6 AR-1254-2	6.835	5.799	54137247	51182399	480.249	473.366
28) L6 AR-1254-3	7.197	6.200	57886022	80810940	481.801	492.188
29) L6 AR-1254-4	7.479	6.426	44172099	51592905	490.157	497.076
30) L6 AR-1254-5	7.895	6.842	47889271	70291997	494.752	499.324

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 21:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

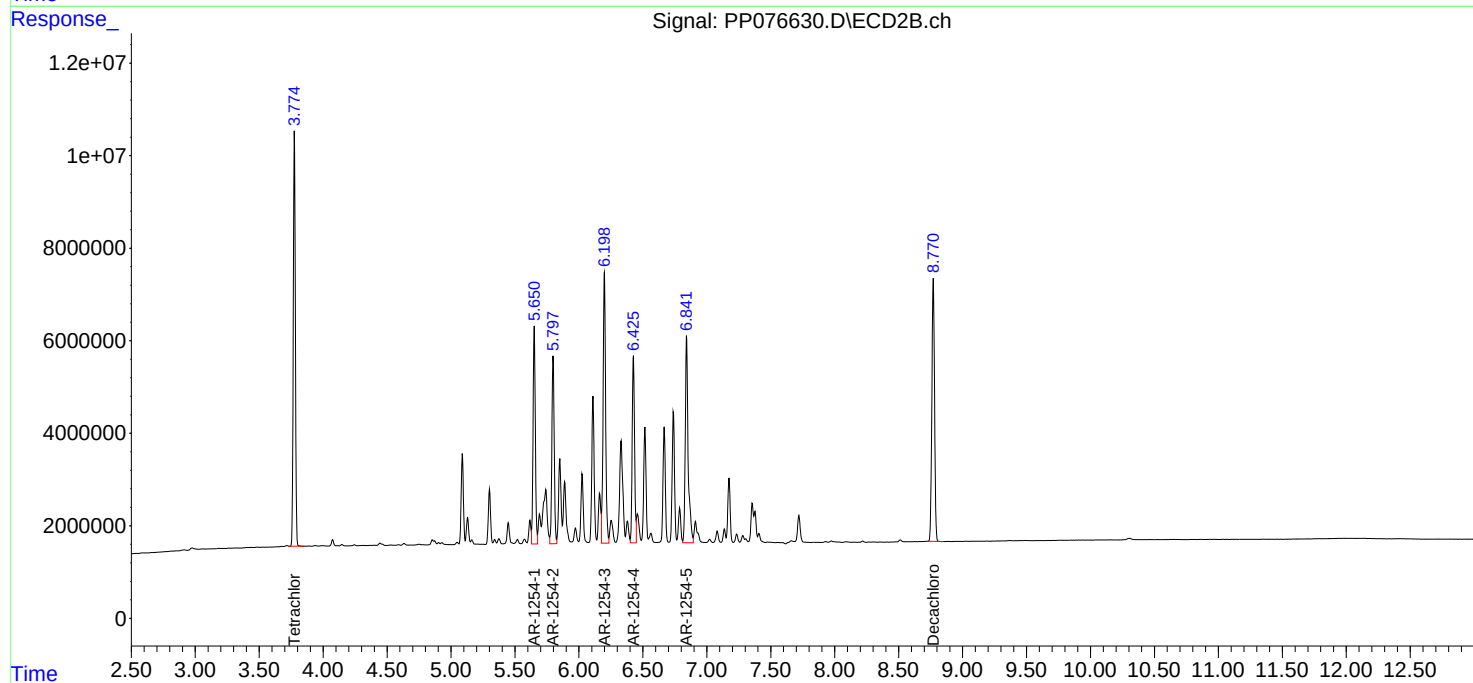
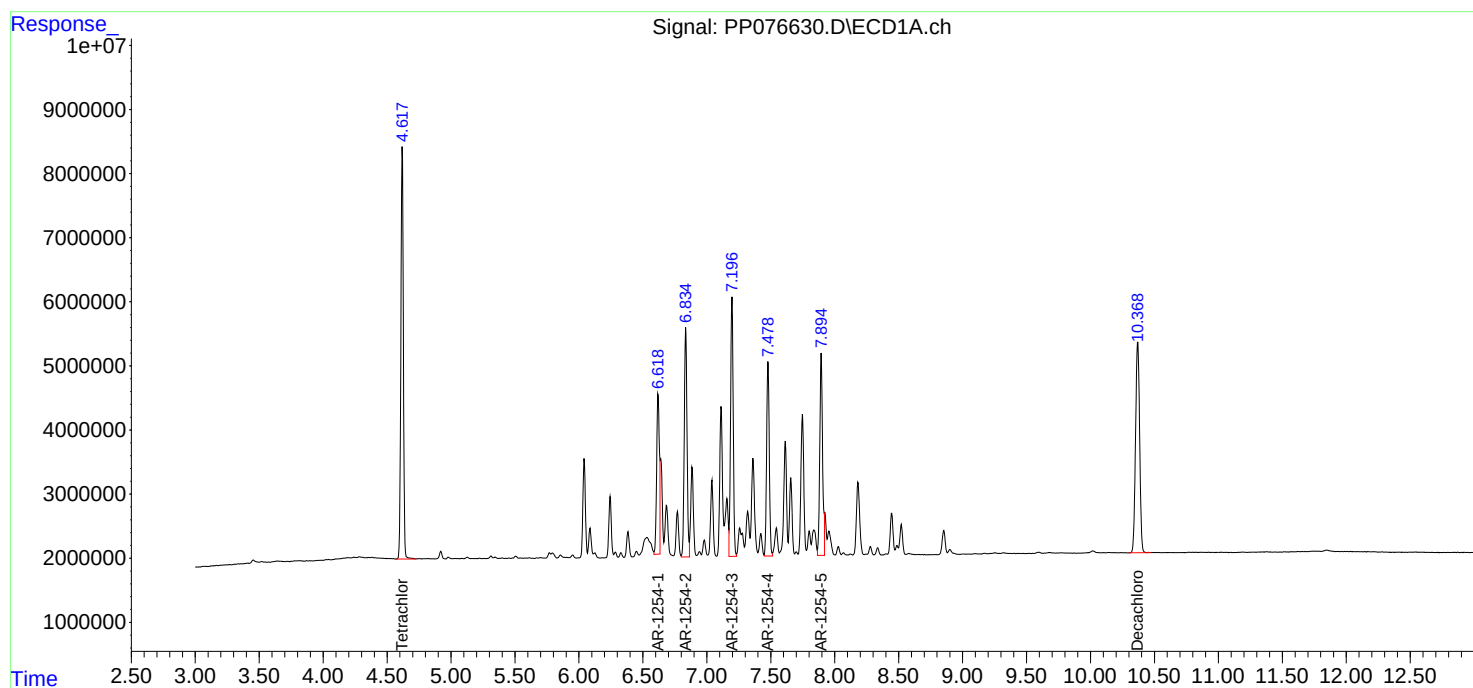
Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1254

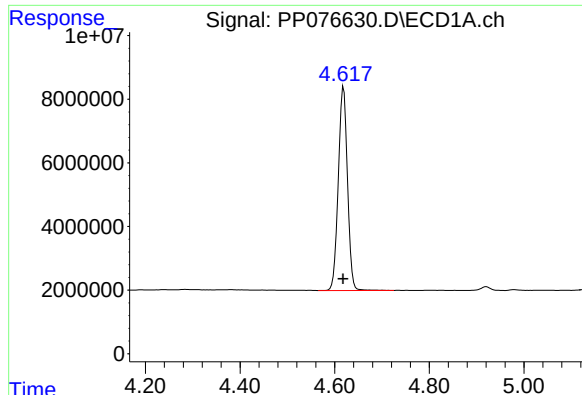
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:23:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:22:58 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





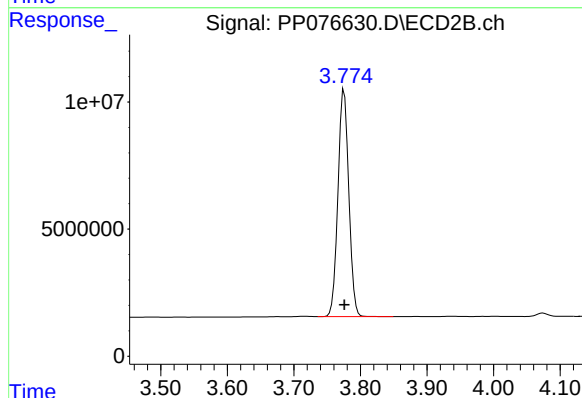
#1 Tetrachloro-m-xylene

R.T.: 4.619 min
Delta R.T.: 0.000 min
Response: 86531347
Conc: 49.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1254

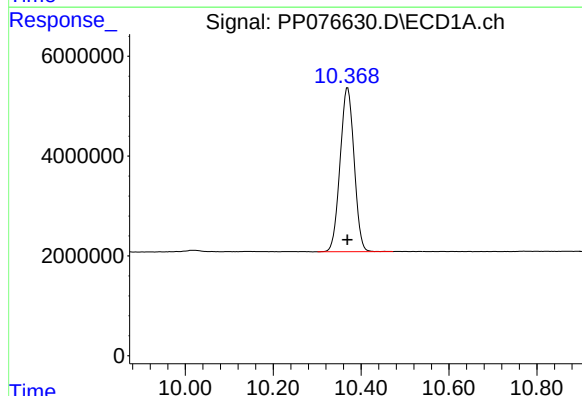
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



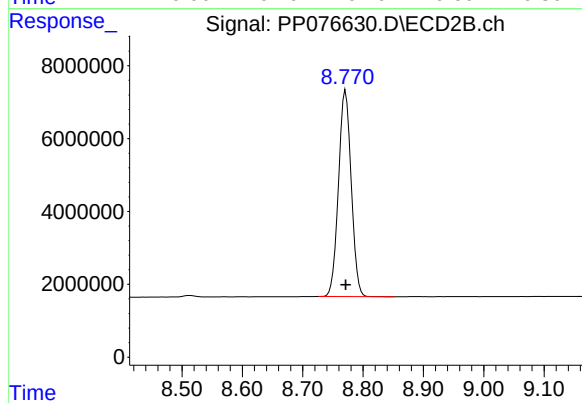
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: 0.000 min
Response: 101118637
Conc: 50.22 ng/ml



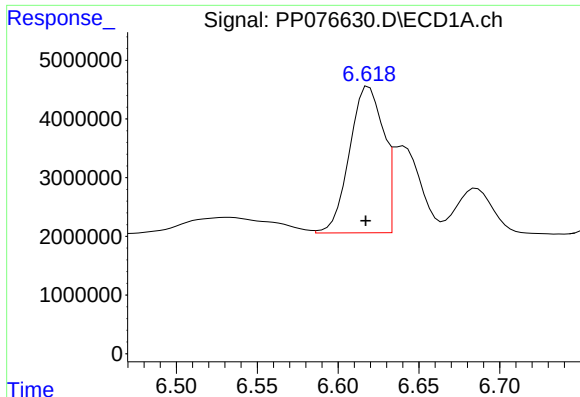
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 72633778
Conc: 49.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: 0.000 min
Response: 82942262
Conc: 49.64 ng/ml



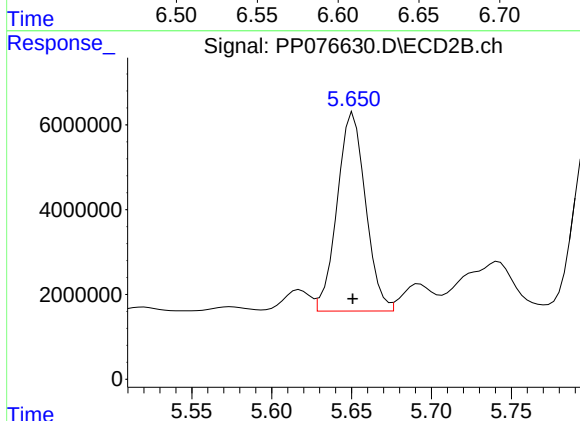
#26 AR-1254-1

R.T.: 6.618 min
Delta R.T.: 0.000 min
Response: 39599631
Conc: 493.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1254

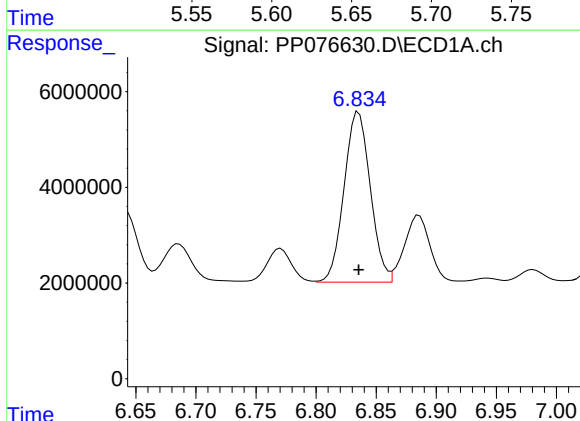
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



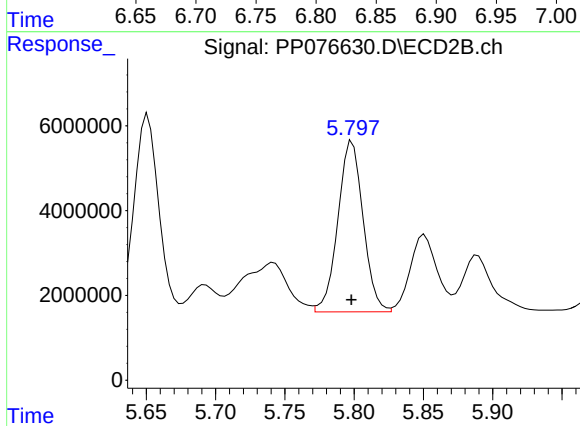
#26 AR-1254-1

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 57998675
Conc: 490.51 ng/ml



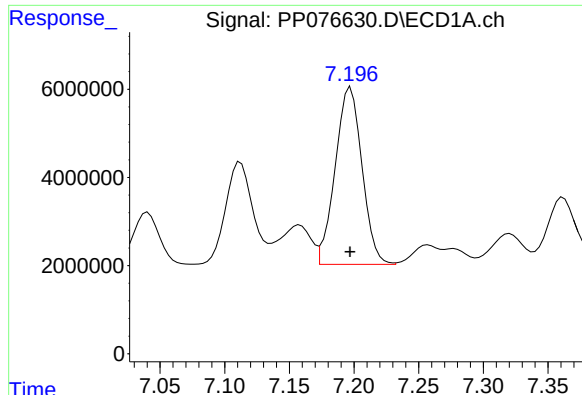
#27 AR-1254-2

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 54137247
Conc: 480.25 ng/ml



#27 AR-1254-2

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 51182399
Conc: 473.37 ng/ml



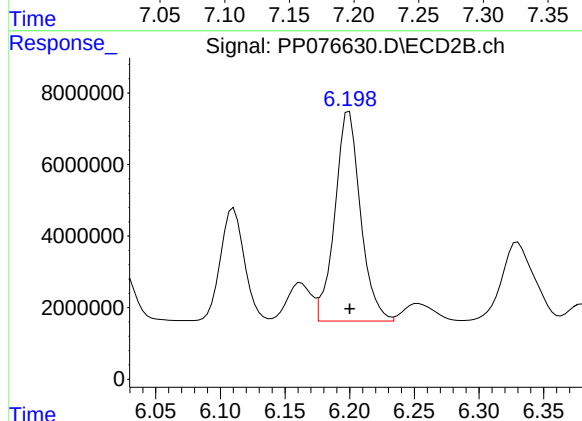
#28 AR-1254-3

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 57886022
Conc: 481.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1254

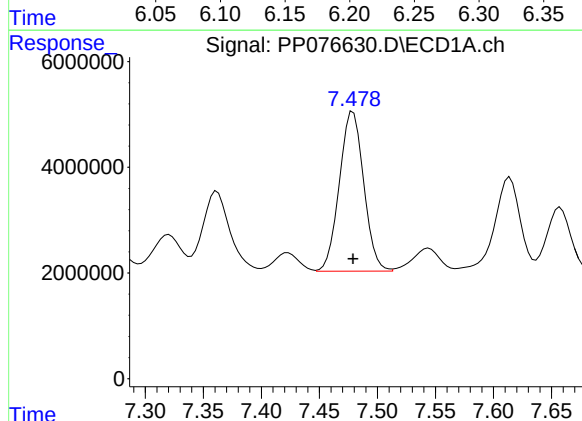
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



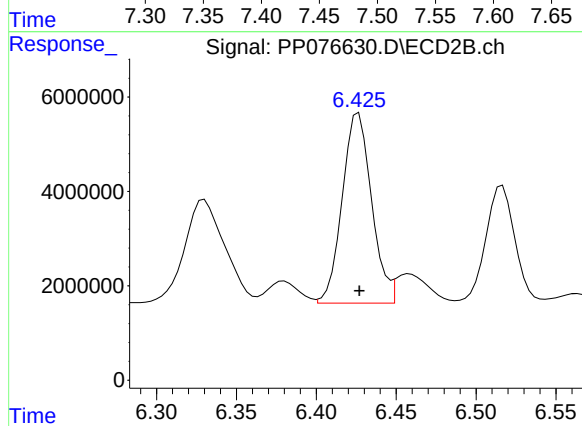
#28 AR-1254-3

R.T.: 6.200 min
Delta R.T.: 0.000 min
Response: 80810940
Conc: 492.19 ng/ml



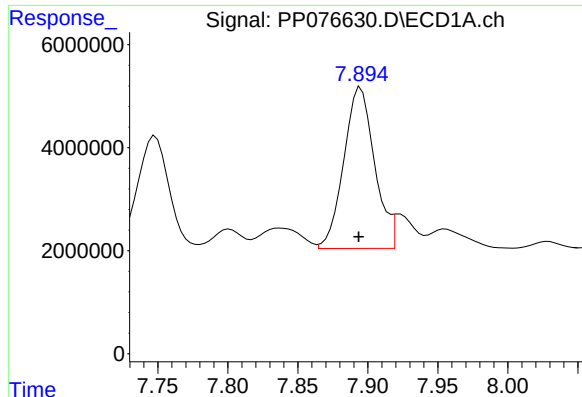
#29 AR-1254-4

R.T.: 7.479 min
Delta R.T.: 0.000 min
Response: 44172099
Conc: 490.16 ng/ml



#29 AR-1254-4

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 51592905
Conc: 497.08 ng/ml



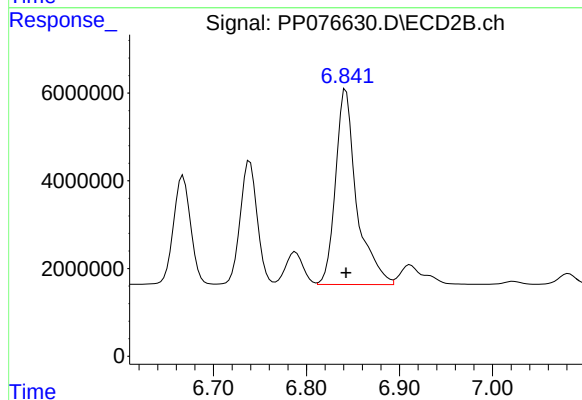
#30 AR-1254-5

R.T.: 7.895 min
Delta R.T.: 0.002 min
Response: 47889271
Conc: 494.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1254

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#30 AR-1254-5

R.T.: 6.842 min
Delta R.T.: 0.000 min
Response: 70291997
Conc: 499.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
 Data File : PP076631.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 22:24
 Operator : YP\AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP112125AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 21 22:42:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:41:21 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...	4.618	3.775	87216131	102.4E6	48.853	50.378
2) SA Decachlor...	10.369	8.770	118.6E6	141.2E6	48.746	49.380
Target Compounds						
41) L9 AR-1268-1	8.840	7.659	104.3E6	139.8E6	485.313	497.082
42) L9 AR-1268-2	8.934	7.724	97582803	127.1E6	484.918	499.290
43) L9 AR-1268-3	9.171	7.929	81142504	102.5E6	488.356	496.522
44) L9 AR-1268-4	9.595	8.217	41155353	46746740	494.070	497.737
45) L9 AR-1268-5	10.020	8.513	245.4E6	320.0E6	486.508	502.737

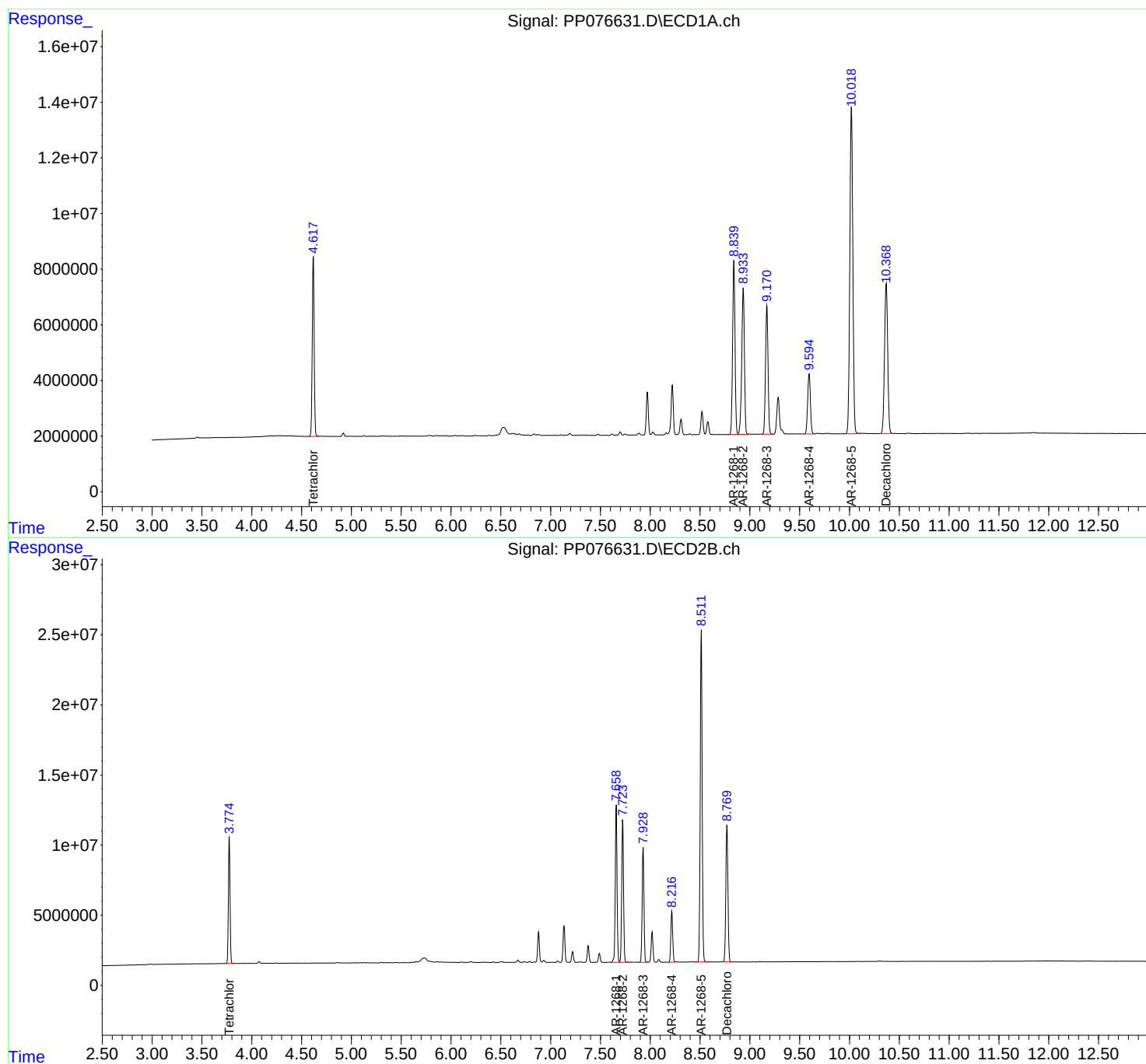
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

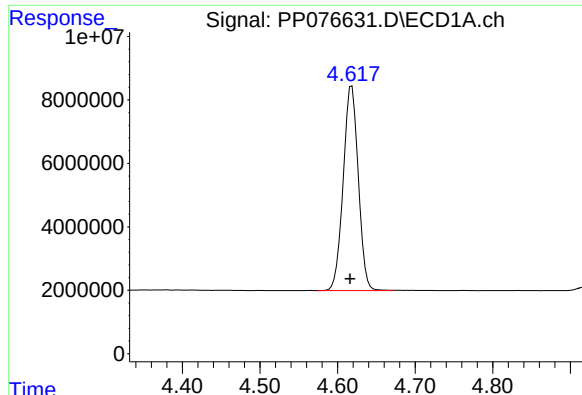
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 22:24
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:41:21 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

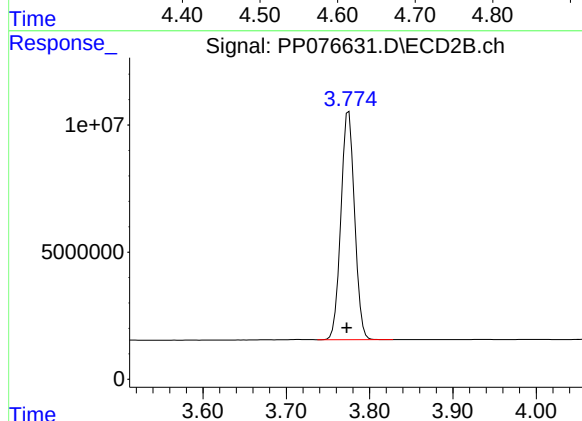




#1 Tetrachloro-m-xylene

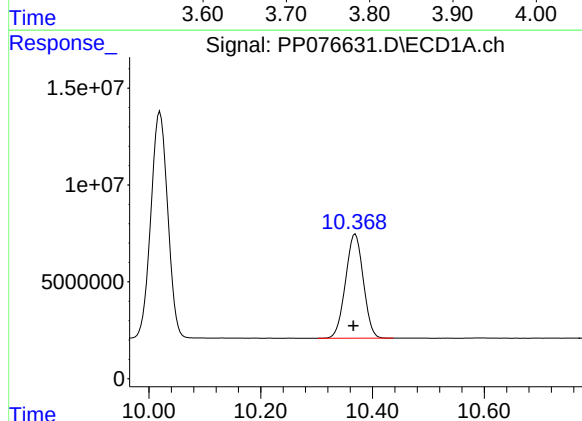
R.T.: 4.618 min
Delta R.T.: 0.002 min
Response: 87216131
Conc: 48.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1268



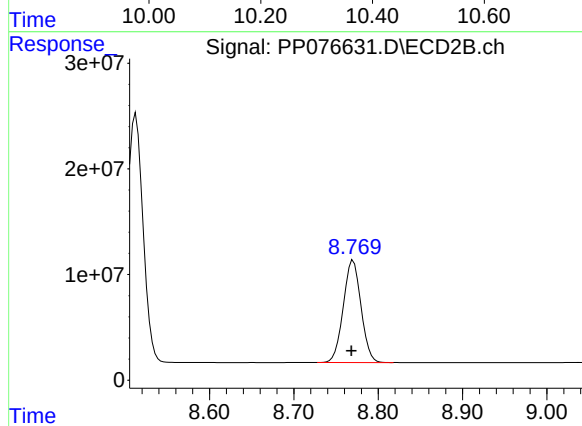
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: 0.003 min
Response: 102437703
Conc: 50.38 ng/ml



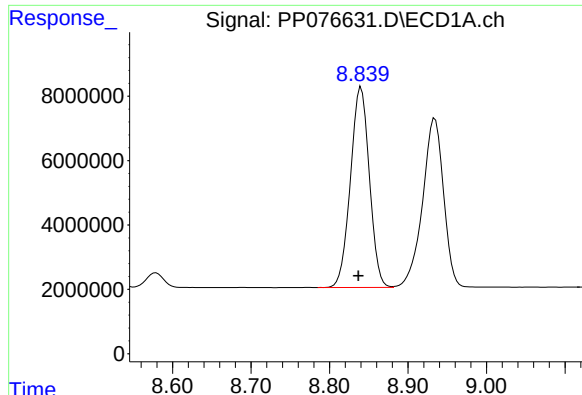
#2 Decachlorobiphenyl

R.T.: 10.369 min
Delta R.T.: 0.003 min
Response: 118598320
Conc: 48.75 ng/ml



#2 Decachlorobiphenyl

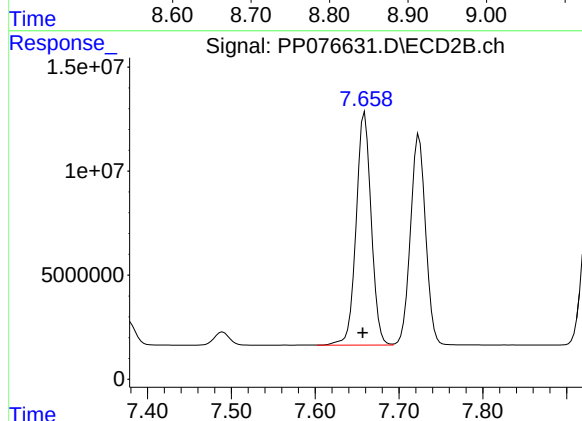
R.T.: 8.770 min
Delta R.T.: 0.002 min
Response: 141247118
Conc: 49.38 ng/ml



#41 AR-1268-1

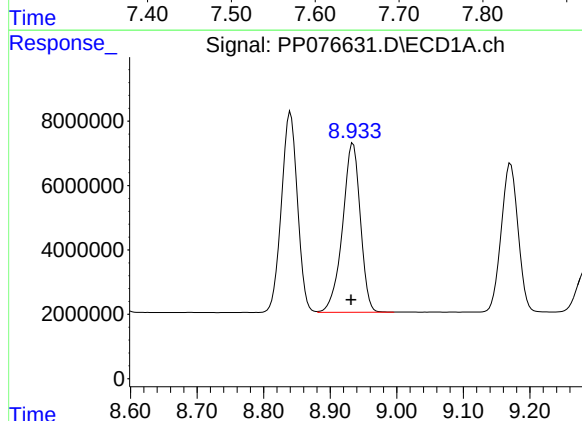
R.T.: 8.840 min
Delta R.T.: 0.004 min
Response: 104301589
Conc: 485.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1268



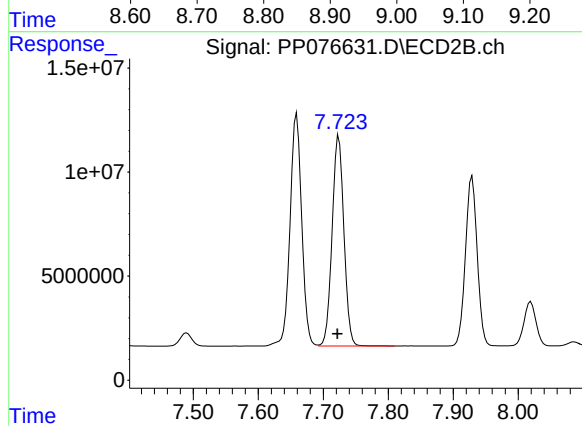
#41 AR-1268-1

R.T.: 7.659 min
Delta R.T.: 0.002 min
Response: 139848122
Conc: 497.08 ng/ml



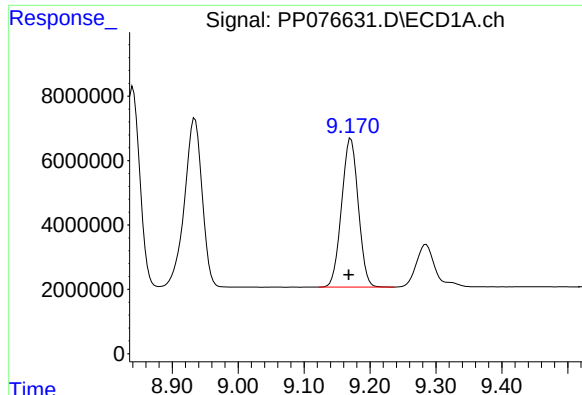
#42 AR-1268-2

R.T.: 8.934 min
Delta R.T.: 0.003 min
Response: 97582803
Conc: 484.92 ng/ml



#42 AR-1268-2

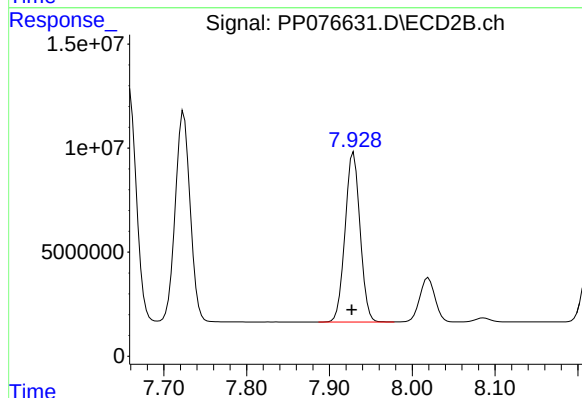
R.T.: 7.724 min
Delta R.T.: 0.002 min
Response: 127082528
Conc: 499.29 ng/ml



#43 AR-1268-3

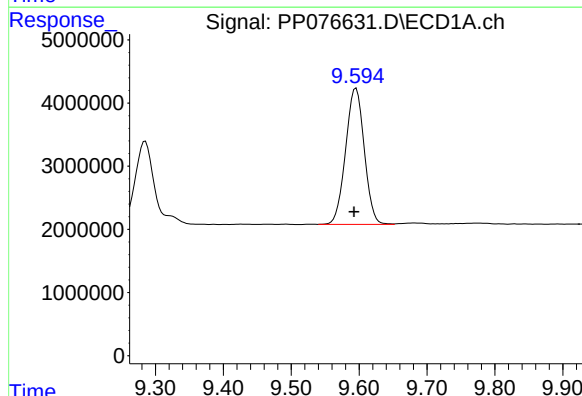
R.T.: 9.171 min
Delta R.T.: 0.003 min
Response: 81142504
Conc: 488.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1268



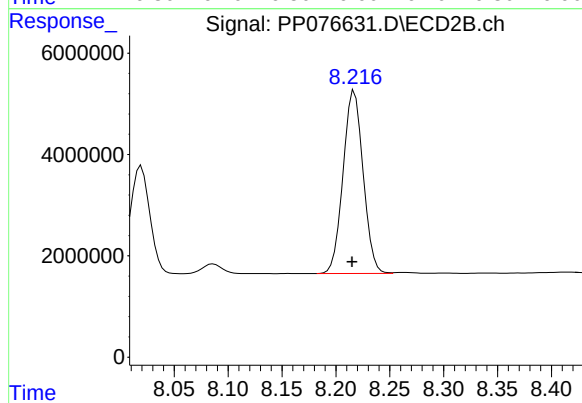
#43 AR-1268-3

R.T.: 7.929 min
Delta R.T.: 0.002 min
Response: 102492624
Conc: 496.52 ng/ml



#44 AR-1268-4

R.T.: 9.595 min
Delta R.T.: 0.003 min
Response: 41155353
Conc: 494.07 ng/ml



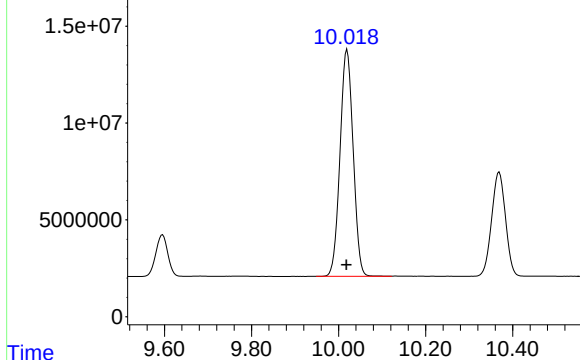
#44 AR-1268-4

R.T.: 8.217 min
Delta R.T.: 0.002 min
Response: 46746740
Conc: 497.74 ng/ml

Response_

Signal: PP076631.D\ECD1A.ch

#45 AR-1268-5



R.T.: 10.020 min
Delta R.T.: 0.002 min
Response: 245355296
Conc: 486.51 ng/ml

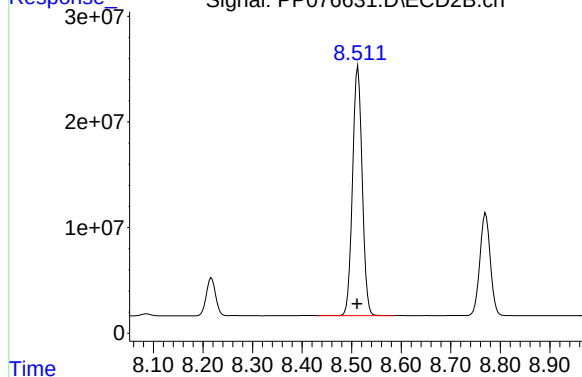
Instrument :
ECD_P
ClientSampleId :
ICVPP112125AR1268

Time

Response

Signal: PP076631.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.513 min
Delta R.T.: 0.002 min
Response: 320012236
Conc: 502.74 ng/ml

Time



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Continuing Calib Date: 12/11/2025

Initial Calibration Date(s): 11/21/2025 11/21/2025

Continuing Calib Time: 08:28

Initial Calibration Time(s): 10:44 19:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.77	5.77	5.67	5.87	0.00
Aroclor-1016-2	(2)	5.79	5.79	5.69	5.89	0.00
Aroclor-1016-3	(3)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-4	(4)	5.95	5.95	5.85	6.05	0.00
Aroclor-1016-5	(5)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-1	(1)	7.36	7.36	7.26	7.46	0.00
Aroclor-1260-2	(2)	7.61	7.61	7.51	7.71	0.00
Aroclor-1260-3	(3)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-4	(4)	8.20	8.19	8.09	8.29	-0.01
Aroclor-1260-5	(5)	8.52	8.52	8.42	8.62	0.00
Tetrachloro-m-xylene		4.62	4.61	4.51	4.71	-0.01
Decachlorobiphenyl		10.37	10.37	10.27	10.47	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Continuing Calib Date: 12/11/2025

Initial Calibration Date(s): 11/21/2025 11/21/2025

Continuing Calib Time: 08:28

Initial Calibration Time(s): 10:44 19:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-2	(2)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-3	(3)	5.04	5.04	4.94	5.14	0.00
Aroclor-1016-4	(4)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-5	(5)	5.30	5.30	5.20	5.40	0.00
Aroclor-1260-1	(1)	6.32	6.32	6.22	6.42	0.00
Aroclor-1260-2	(2)	6.51	6.51	6.41	6.61	0.00
Aroclor-1260-3	(3)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-4	(4)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-5	(5)	7.37	7.37	7.27	7.47	0.00
Tetrachloro-m-xylene		3.77	3.77	3.67	3.87	0.00
Decachlorobiphenyl		8.76	8.77	8.67	8.87	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: WOOD06

Lab Code: ACE SDG NO.: Q3834

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/21/2025 11/21/2025

Client Sample No.: CCAL01 Date Analyzed: 12/11/2025

Lab Sample No.: AR1660CCC500 Data File : PP076943.D Time Analyzed: 08:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.769	5.667	5.867	521.880	500.000	4.4
Aroclor-1016-2	5.791	5.687	5.887	537.110	500.000	7.4
Aroclor-1016-3	5.854	5.750	5.950	530.290	500.000	6.1
Aroclor-1016-4	5.951	5.847	6.047	537.470	500.000	7.5
Aroclor-1016-5	6.243	6.140	6.340	532.180	500.000	6.4
Aroclor-1260-1	7.360	7.256	7.456	513.510	500.000	2.7
Aroclor-1260-2	7.614	7.509	7.709	504.280	500.000	0.9
Aroclor-1260-3	7.971	7.867	8.067	513.580	500.000	2.7
Aroclor-1260-4	8.198	8.093	8.293	506.040	500.000	1.2
Aroclor-1260-5	8.522	8.416	8.616	507.940	500.000	1.6
Decachlorobiphenyl	10.373	10.265	10.465	51.060	50.000	2.1
Tetrachloro-m-xylene	4.617	4.514	4.714	53.790	50.000	7.6



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WOOD06
Lab Code: ACE **SDG NO.:** Q3834
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/21/2025 11/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 12/11/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP076943.D **Time Analyzed:** 08:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.849	4.750	4.950	485.090	500.000	-3.0
Aroclor-1016-2	4.866	4.767	4.967	504.950	500.000	1.0
Aroclor-1016-3	5.041	4.942	5.142	499.810	500.000	0.0
Aroclor-1016-4	5.083	4.984	5.184	504.840	500.000	1.0
Aroclor-1016-5	5.295	5.197	5.397	495.920	500.000	-0.8
Aroclor-1260-1	6.323	6.224	6.424	487.500	500.000	-2.5
Aroclor-1260-2	6.510	6.412	6.612	479.570	500.000	-4.1
Aroclor-1260-3	6.662	6.564	6.764	482.860	500.000	-3.4
Aroclor-1260-4	7.131	7.033	7.233	487.900	500.000	-2.4
Aroclor-1260-5	7.372	7.273	7.473	481.060	500.000	-3.8
Decachlorobiphenyl	8.764	8.666	8.866	46.740	50.000	-6.5
Tetrachloro-m-xylene	3.771	3.671	3.871	51.980	50.000	4.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
 Data File : PP076943.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Dec 2025 08:28
 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: Dec 11 12:21:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.617	3.771	98737902	108.3E6	53.793	51.979
2) SA Decachlor...	10.373	8.764	76529497	82466814	51.065	46.736
Target Compounds						
3) L1 AR-1016-1	5.769	4.849	35234666	36464240	521.880	485.086
4) L1 AR-1016-2	5.791	4.866	54198935	56146706	537.113	504.950
5) L1 AR-1016-3	5.854	5.041	34465848	28970884	530.289	499.810
6) L1 AR-1016-4	5.951	5.083	28777964	23601550	537.470	504.839
7) L1 AR-1016-5	6.243	5.295	27443858	30717768	532.175	495.925
31) L7 AR-1260-1	7.360	6.323	44601757	53187023	513.510	487.498
32) L7 AR-1260-2	7.614	6.510	52119902	63773503	504.276	479.567
33) L7 AR-1260-3	7.971	6.662	41283738	59823598	513.576	482.861
34) L7 AR-1260-4	8.198	7.131	47401685	50682555	506.041	487.903
35) L7 AR-1260-5	8.522	7.372	86358838	118.9E6	507.944	481.060

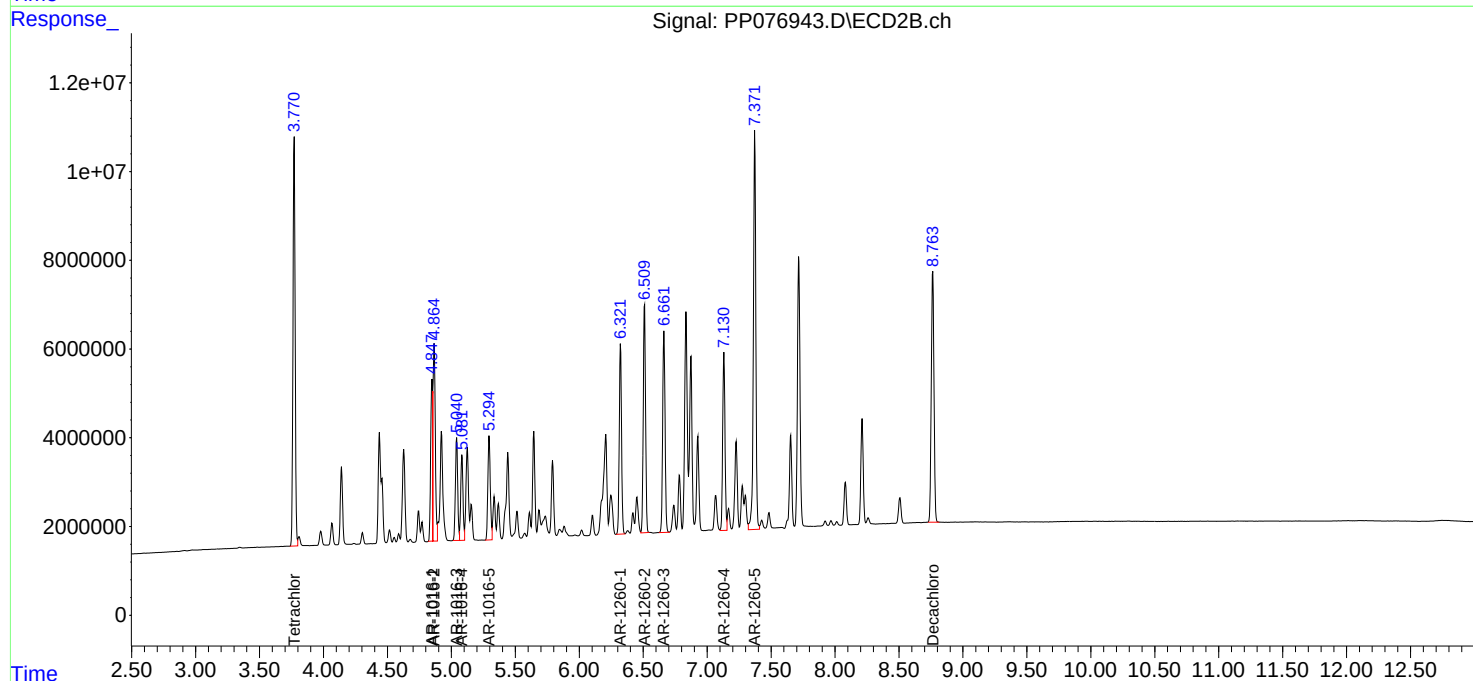
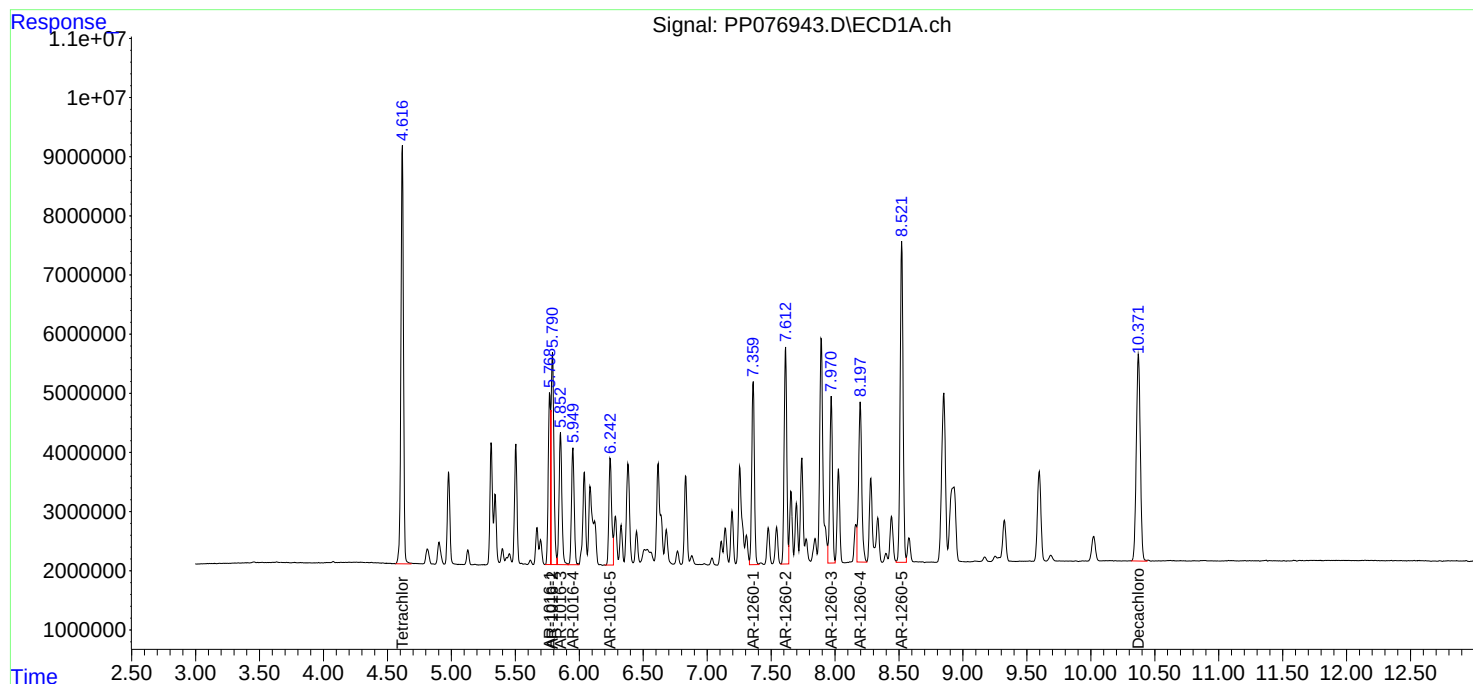
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 08:28
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

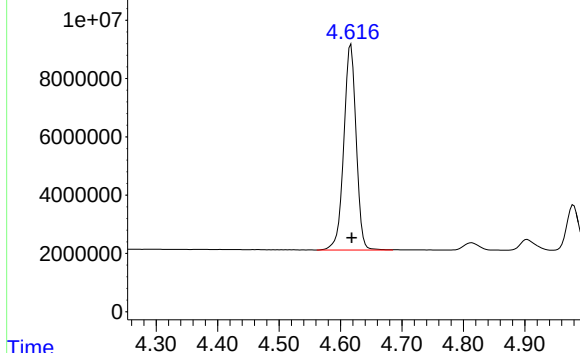
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 12:21:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP076943.D\ECD1A.ch

#1 Tetrachloro-m-xylene

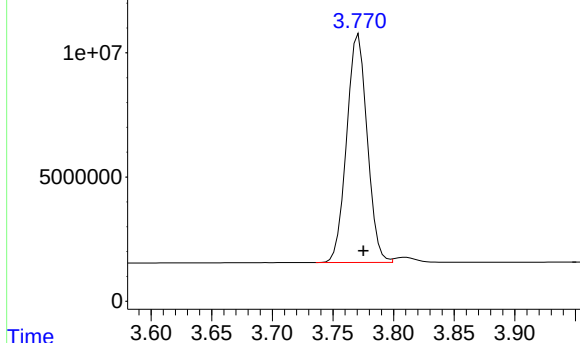


R.T.: 4.617 min
Delta R.T.: -0.001 min
Response: 98737902
Conc: 53.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Time Response_ Signal: PP076943.D\ECD2B.ch

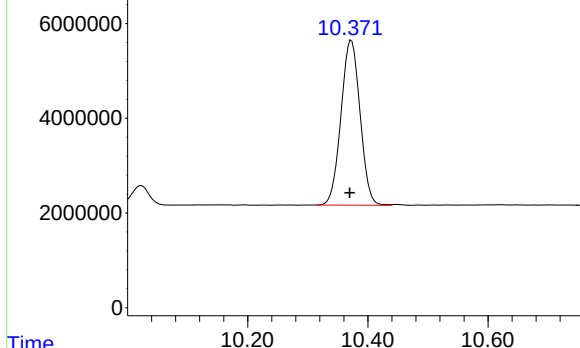
#1 Tetrachloro-m-xylene



R.T.: 3.771 min
Delta R.T.: -0.004 min
Response: 108268333
Conc: 51.98 ng/ml

Time Response_ Signal: PP076943.D\ECD1A.ch

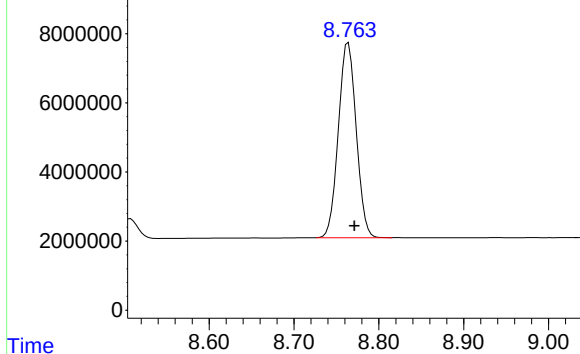
#2 Decachlorobiphenyl



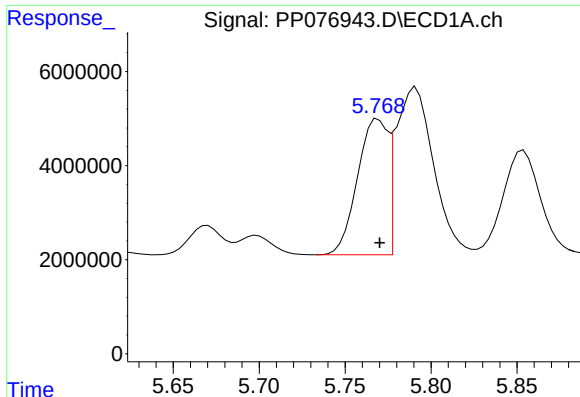
R.T.: 10.373 min
Delta R.T.: 0.003 min
Response: 76529497
Conc: 51.06 ng/ml

Time Response_ Signal: PP076943.D\ECD2B.ch

#2 Decachlorobiphenyl



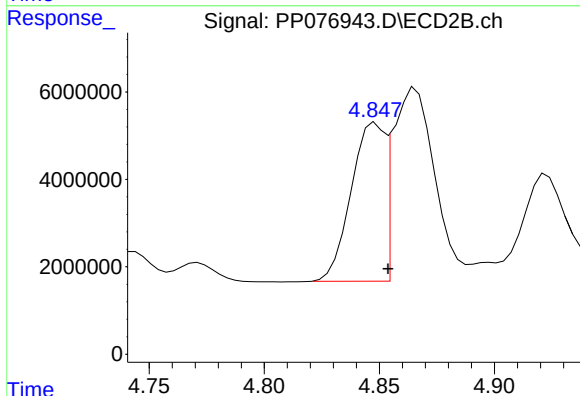
R.T.: 8.764 min
Delta R.T.: -0.007 min
Response: 82466814
Conc: 46.74 ng/ml



#3 AR-1016-1

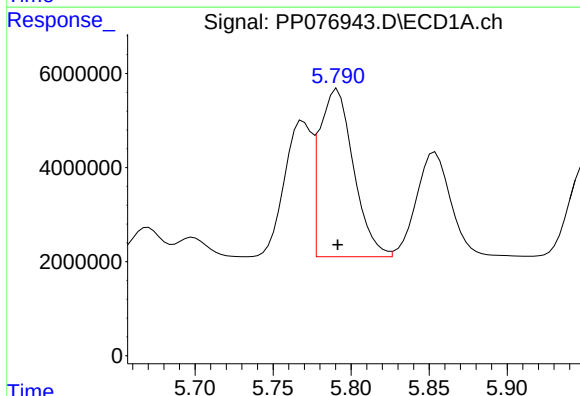
R.T.: 5.769 min
Delta R.T.: 0.000 min
Response: 35234666
Conc: 521.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



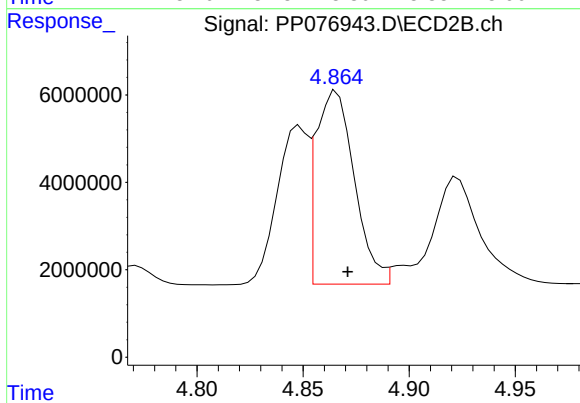
#3 AR-1016-1

R.T.: 4.849 min
Delta R.T.: -0.005 min
Response: 36464240
Conc: 485.09 ng/ml



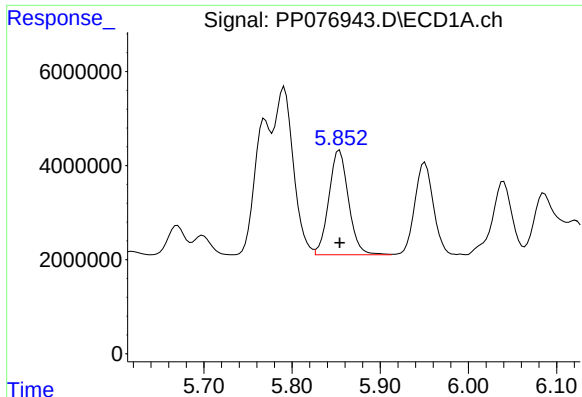
#4 AR-1016-2

R.T.: 5.791 min
Delta R.T.: 0.000 min
Response: 54198935
Conc: 537.11 ng/ml



#4 AR-1016-2

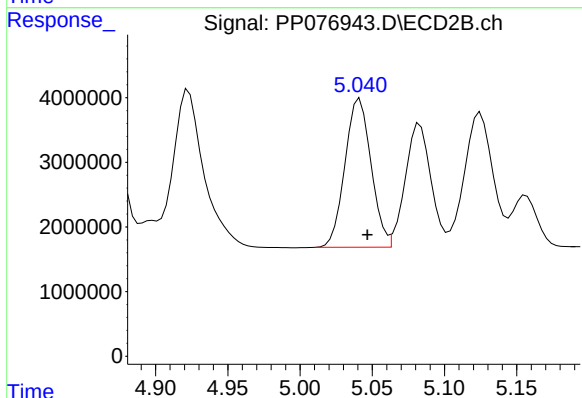
R.T.: 4.866 min
Delta R.T.: -0.005 min
Response: 56146706
Conc: 504.95 ng/ml



#5 AR-1016-3

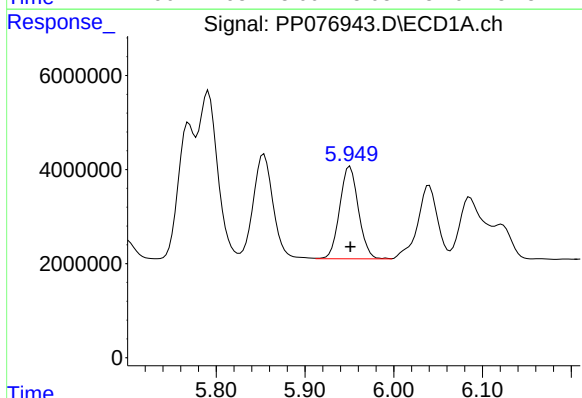
R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 34465848
Conc: 530.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



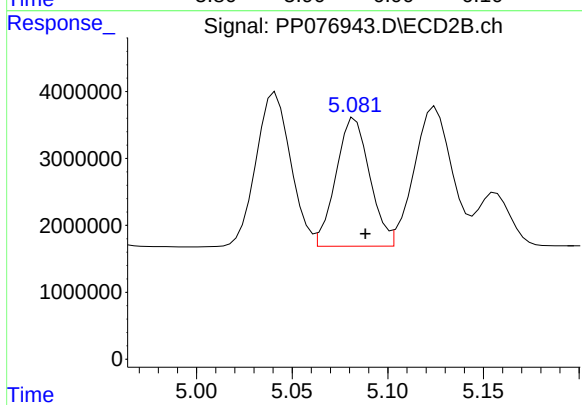
#5 AR-1016-3

R.T.: 5.041 min
Delta R.T.: -0.005 min
Response: 28970884
Conc: 499.81 ng/ml



#6 AR-1016-4

R.T.: 5.951 min
Delta R.T.: 0.000 min
Response: 28777964
Conc: 537.47 ng/ml

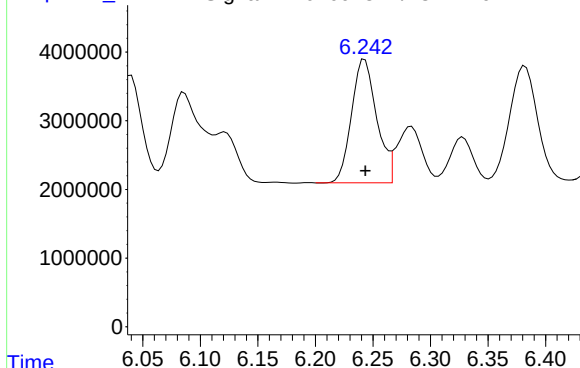


#6 AR-1016-4

R.T.: 5.083 min
Delta R.T.: -0.005 min
Response: 23601550
Conc: 504.84 ng/ml

Response_ Signal: PP076943.D\ECD1A.ch

#7 AR-1016-5

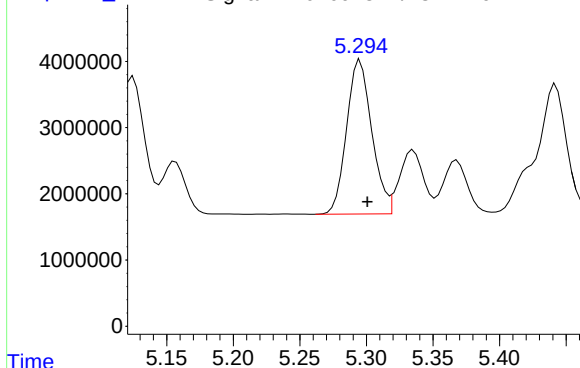


R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 27443858
Conc: 532.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Response_ Signal: PP076943.D\ECD2B.ch

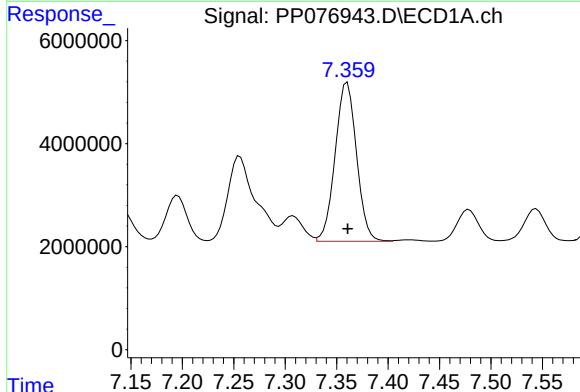
#7 AR-1016-5



R.T.: 5.295 min
Delta R.T.: -0.005 min
Response: 30717768
Conc: 495.92 ng/ml

Response_ Signal: PP076943.D\ECD1A.ch

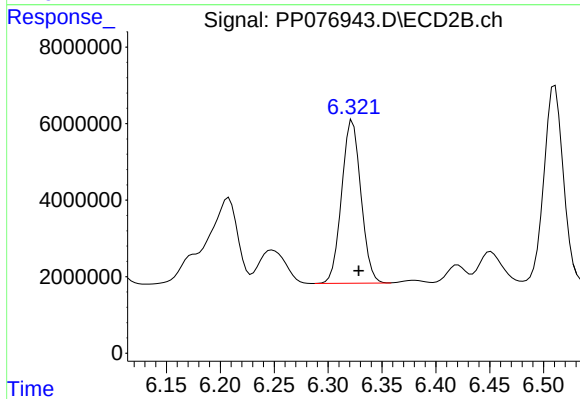
#31 AR-1260-1



R.T.: 7.360 min
Delta R.T.: 0.000 min
Response: 44601757
Conc: 513.51 ng/ml

Response_ Signal: PP076943.D\ECD2B.ch

#31 AR-1260-1



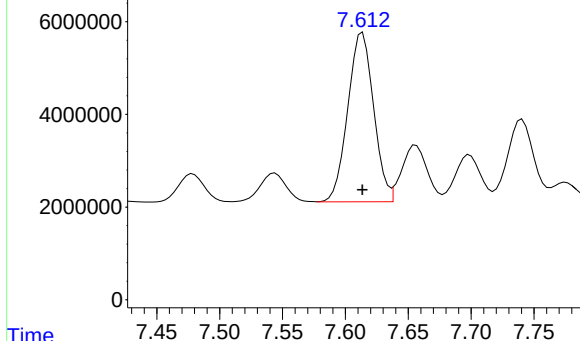
R.T.: 6.323 min
Delta R.T.: -0.006 min
Response: 53187023
Conc: 487.50 ng/ml

Response_ Signal: PP076943.D\ECD1A.ch

#32 AR-1260-2

R.T.: 7.614 min
Delta R.T.: 0.000 min
Response: 52119902
Conc: 504.28 ng/ml

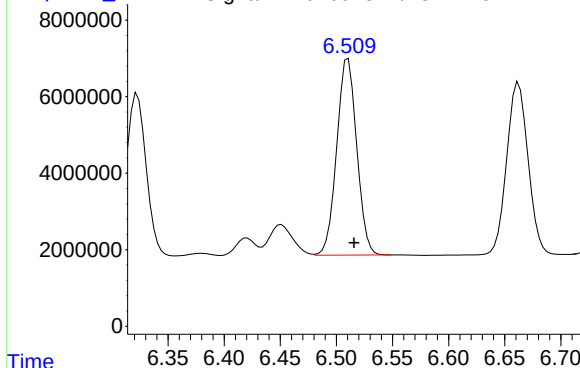
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



Time Response_ Signal: PP076943.D\ECD2B.ch

#32 AR-1260-2

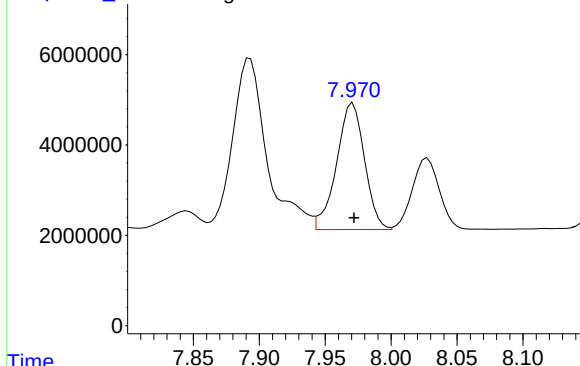
R.T.: 6.510 min
Delta R.T.: -0.005 min
Response: 63773503
Conc: 479.57 ng/ml



Time Response_ Signal: PP076943.D\ECD1A.ch

#33 AR-1260-3

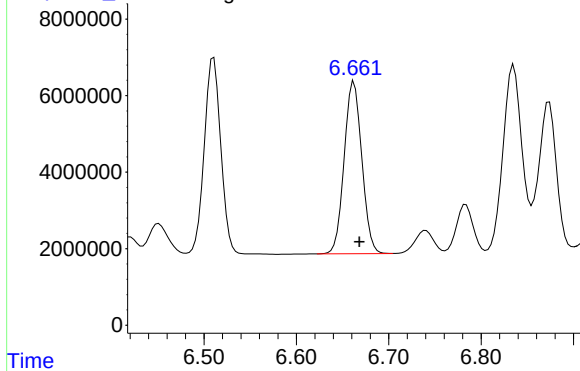
R.T.: 7.971 min
Delta R.T.: -0.001 min
Response: 41283738
Conc: 513.58 ng/ml



Time Response_ Signal: PP076943.D\ECD2B.ch

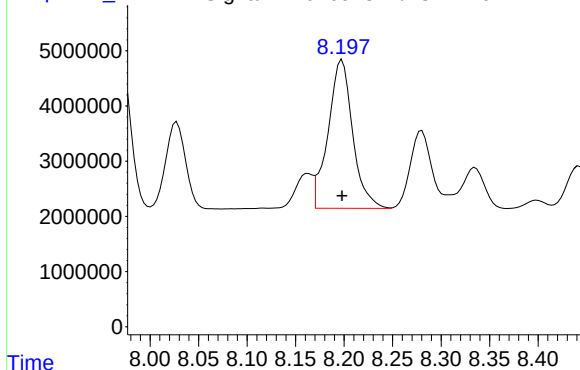
#33 AR-1260-3

R.T.: 6.662 min
Delta R.T.: -0.006 min
Response: 59823598
Conc: 482.86 ng/ml



Response_ Signal: PP076943.D\ECD1A.ch

#34 AR-1260-4

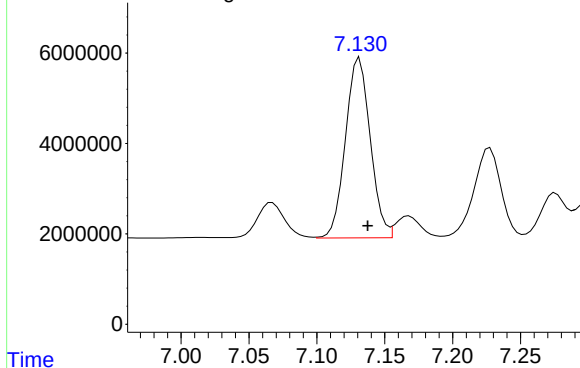


R.T.: 8.198 min
Delta R.T.: 0.000 min
Response: 47401685
Conc: 506.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Time Response_ Signal: PP076943.D\ECD2B.ch

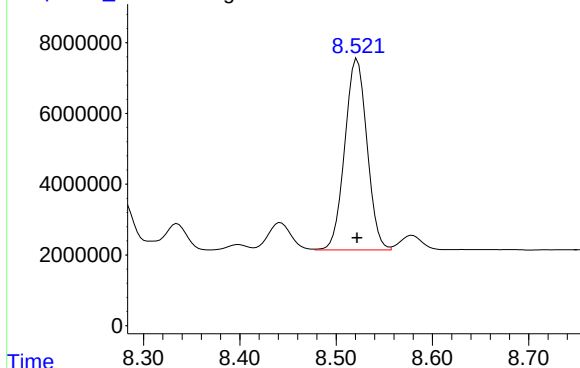
#34 AR-1260-4



R.T.: 7.131 min
Delta R.T.: -0.006 min
Response: 50682555
Conc: 487.90 ng/ml

Time Response_ Signal: PP076943.D\ECD1A.ch

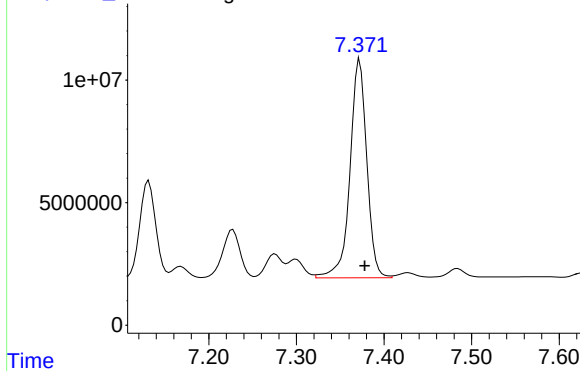
#35 AR-1260-5



R.T.: 8.522 min
Delta R.T.: 0.000 min
Response: 86358838
Conc: 507.94 ng/ml

Time Response_ Signal: PP076943.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.372 min
Delta R.T.: -0.006 min
Response: 118881010
Conc: 481.06 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Continuing Calib Date: 12/11/2025

Initial Calibration Date(s): 11/21/2025 11/21/2025

Continuing Calib Time: 15:07

Initial Calibration Time(s): 10:44 19:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.77	5.77	5.67	5.87	0.00
Aroclor-1016-2	(2)	5.79	5.79	5.69	5.89	0.00
Aroclor-1016-3	(3)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-4	(4)	5.95	5.95	5.85	6.05	0.00
Aroclor-1016-5	(5)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-1	(1)	7.36	7.36	7.26	7.46	0.00
Aroclor-1260-2	(2)	7.61	7.61	7.51	7.71	0.00
Aroclor-1260-3	(3)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-4	(4)	8.20	8.19	8.09	8.29	-0.01
Aroclor-1260-5	(5)	8.52	8.52	8.42	8.62	0.00
Tetrachloro-m-xylene		4.62	4.61	4.51	4.71	-0.01
Decachlorobiphenyl		10.37	10.37	10.27	10.47	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Continuing Calib Date: 12/11/2025

Initial Calibration Date(s): 11/21/2025

11/21/2025

Continuing Calib Time: 15:07

Initial Calibration Time(s): 10:44

19:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-2	(2)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-3	(3)	5.04	5.04	4.94	5.14	0.00
Aroclor-1016-4	(4)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-5	(5)	5.30	5.30	5.20	5.40	0.00
Aroclor-1260-1	(1)	6.32	6.32	6.22	6.42	0.00
Aroclor-1260-2	(2)	6.51	6.51	6.41	6.61	0.00
Aroclor-1260-3	(3)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-4	(4)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-5	(5)	7.37	7.37	7.27	7.47	0.00
Tetrachloro-m-xylene		3.77	3.77	3.67	3.87	0.00
Decachlorobiphenyl		8.77	8.77	8.67	8.87	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WOOD06
Lab Code: ACE **SDG NO.:** Q3834
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/21/2025 11/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 12/11/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP076958.D **Time Analyzed:** 15:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.770	5.667	5.867	532.650	500.000	6.5
Aroclor-1016-2	5.791	5.687	5.887	545.770	500.000	9.2
Aroclor-1016-3	5.854	5.750	5.950	532.740	500.000	6.5
Aroclor-1016-4	5.951	5.847	6.047	531.430	500.000	6.3
Aroclor-1016-5	6.244	6.140	6.340	539.630	500.000	7.9
Aroclor-1260-1	7.361	7.256	7.456	514.800	500.000	3.0
Aroclor-1260-2	7.614	7.509	7.709	508.240	500.000	1.6
Aroclor-1260-3	7.972	7.867	8.067	520.180	500.000	4.0
Aroclor-1260-4	8.199	8.093	8.293	508.900	500.000	1.8
Aroclor-1260-5	8.523	8.416	8.616	512.100	500.000	2.4
Decachlorobiphenyl	10.373	10.265	10.465	50.980	50.000	2.0
Tetrachloro-m-xylene	4.617	4.514	4.714	54.350	50.000	8.7



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WOOD06
Lab Code: ACE **SDG NO.:** Q3834
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/21/2025 11/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 12/11/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP076958.D **Time Analyzed:** 15:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.849	4.750	4.950	496.210	500.000	-0.8
Aroclor-1016-2	4.866	4.767	4.967	507.400	500.000	1.5
Aroclor-1016-3	5.042	4.942	5.142	505.930	500.000	1.2
Aroclor-1016-4	5.083	4.984	5.184	503.980	500.000	0.8
Aroclor-1016-5	5.296	5.197	5.397	501.550	500.000	0.3
Aroclor-1260-1	6.324	6.224	6.424	481.200	500.000	-3.8
Aroclor-1260-2	6.511	6.412	6.612	473.820	500.000	-5.2
Aroclor-1260-3	6.664	6.564	6.764	472.910	500.000	-5.4
Aroclor-1260-4	7.133	7.033	7.233	476.100	500.000	-4.8
Aroclor-1260-5	7.374	7.273	7.473	467.630	500.000	-6.5
Decachlorobiphenyl	8.766	8.666	8.866	44.760	50.000	-10.5
Tetrachloro-m-xylene	3.771	3.671	3.871	51.760	50.000	3.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
 Data File : PP076958.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Dec 2025 15:07
 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: Dec 12 01:06:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.617	3.771	99759152	107.8E6	54.350	51.765
2) SA Decachlor...	10.373	8.766	76400990	78987748	50.979	44.765
Target Compounds						
3) L1 AR-1016-1	5.770	4.849	35962100	37300507	532.654	496.210
4) L1 AR-1016-2	5.791	4.866	55072542	56419484	545.771	507.403
5) L1 AR-1016-3	5.854	5.042	34625269	29325359	532.742	505.926
6) L1 AR-1016-4	5.951	5.083	28454680	23561510	531.432	503.982
7) L1 AR-1016-5	6.244	5.296	27828038	31066275	539.625	501.551
31) L7 AR-1260-1	7.361	6.324	44713356	52499321	514.795	481.195
32) L7 AR-1260-2	7.614	6.511	52529913	63009595	508.243	473.823
33) L7 AR-1260-3	7.972	6.664	41814531	58590834	520.179	472.911
34) L7 AR-1260-4	8.199	7.133	47669494	49456274	508.900	476.098
35) L7 AR-1260-5	8.523	7.374	87064574	115.6E6	512.095	467.630

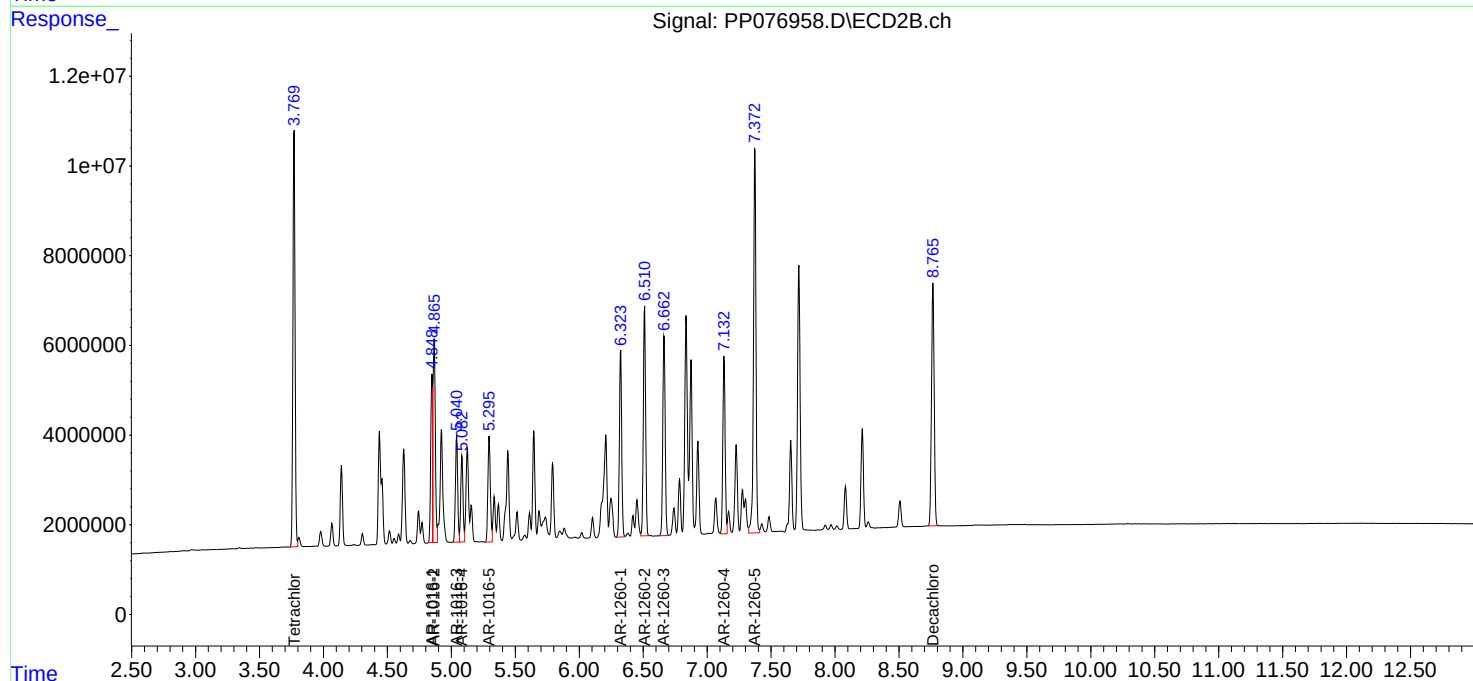
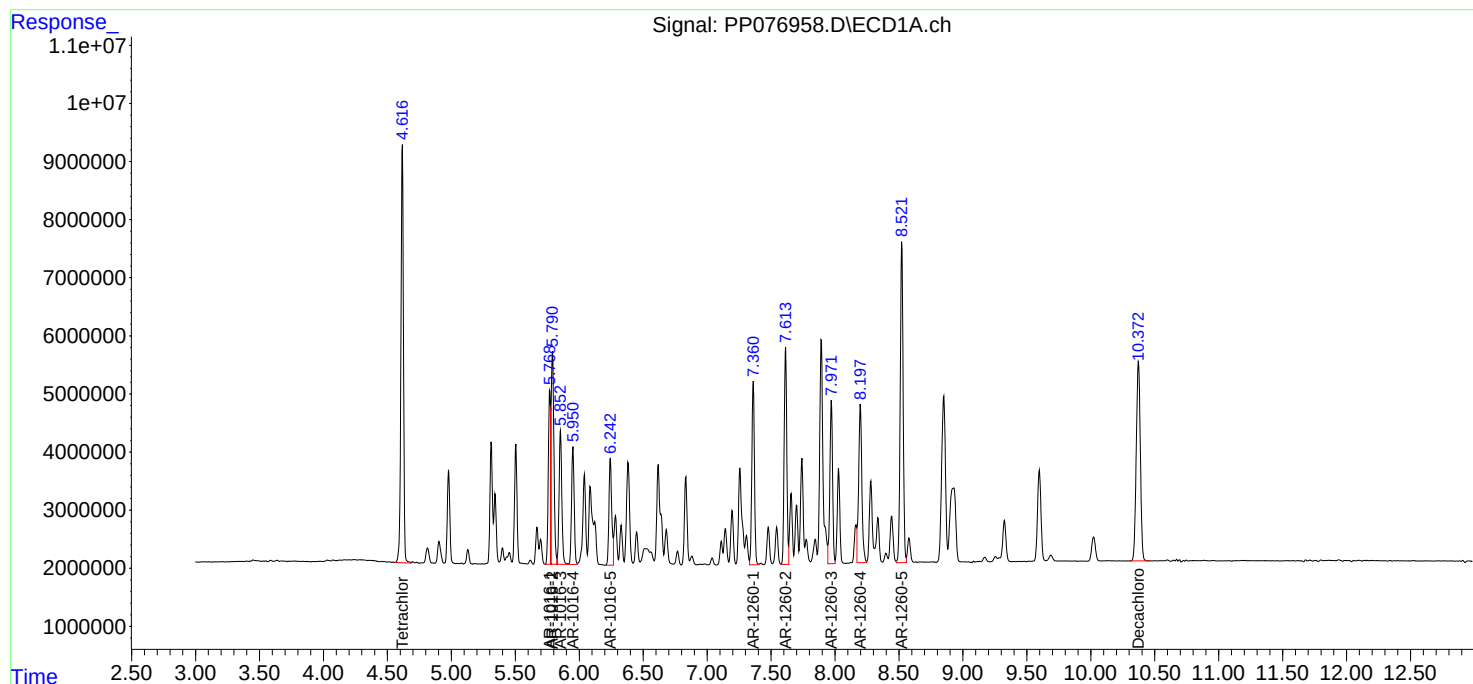
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

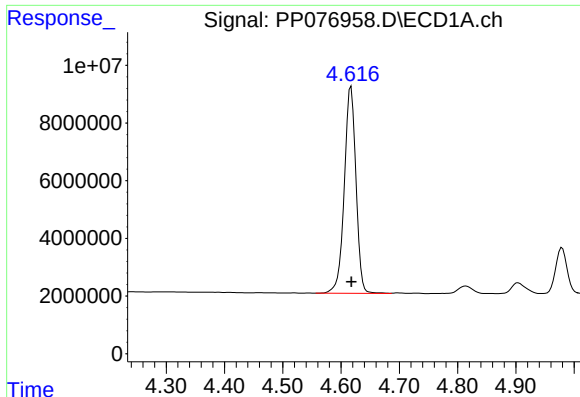
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 15:07
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 12 01:06:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

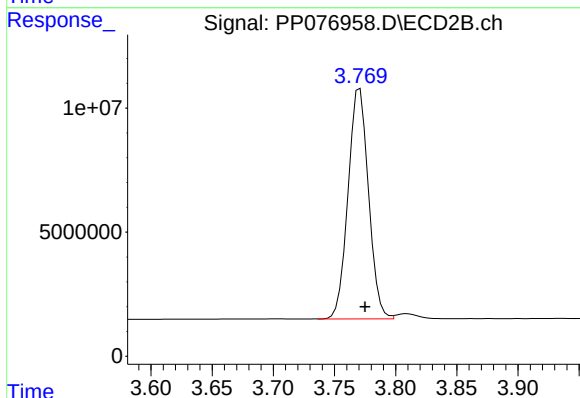




#1 Tetrachloro-m-xylene

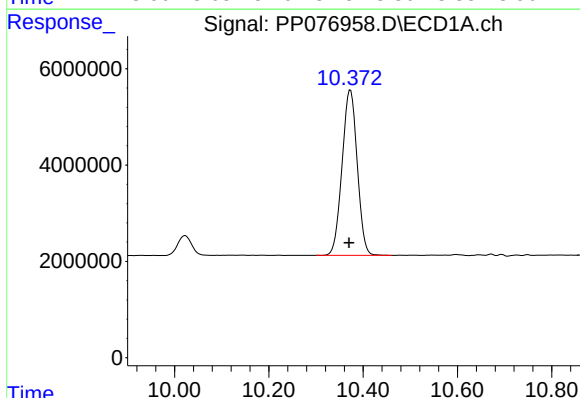
R.T.: 4.617 min
Delta R.T.: 0.000 min
Response: 99759152
Conc: 54.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



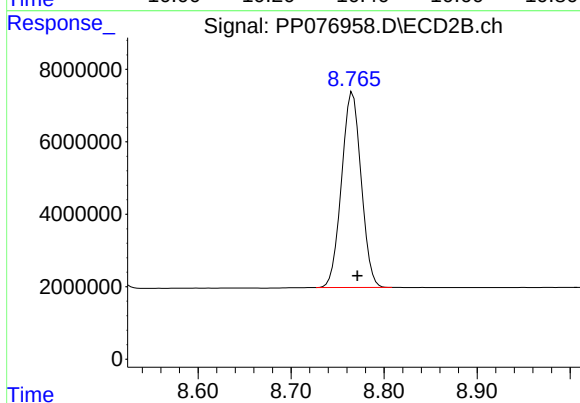
#1 Tetrachloro-m-xylene

R.T.: 3.771 min
Delta R.T.: -0.004 min
Response: 107822478
Conc: 51.76 ng/ml



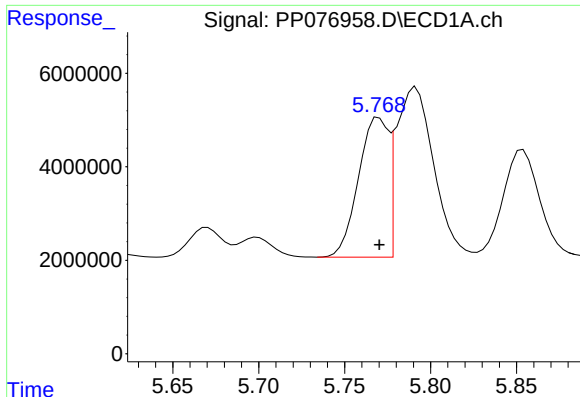
#2 Decachlorobiphenyl

R.T.: 10.373 min
Delta R.T.: 0.003 min
Response: 76400990
Conc: 50.98 ng/ml



#2 Decachlorobiphenyl

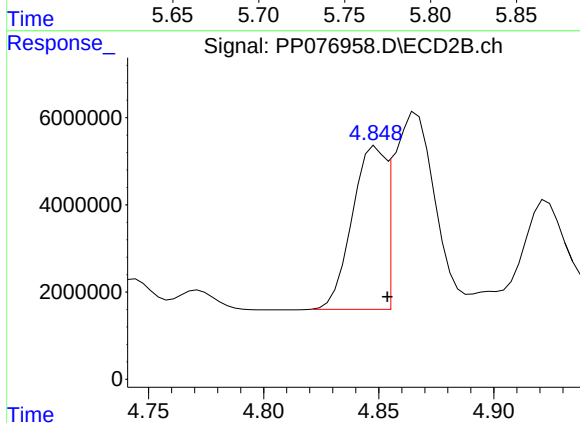
R.T.: 8.766 min
Delta R.T.: -0.005 min
Response: 78987748
Conc: 44.76 ng/ml



#3 AR-1016-1

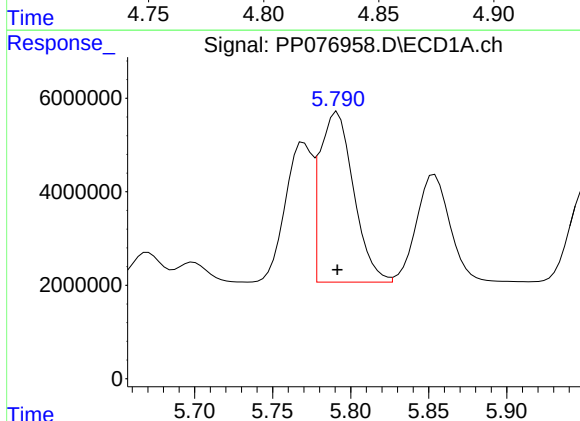
R.T.: 5.770 min
Delta R.T.: 0.000 min
Response: 35962100
Conc: 532.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



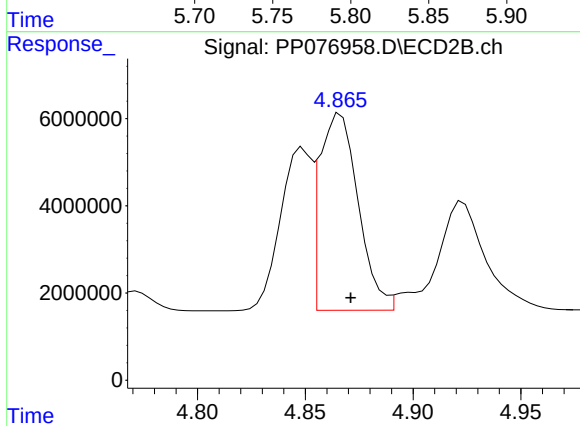
#3 AR-1016-1

R.T.: 4.849 min
Delta R.T.: -0.005 min
Response: 37300507
Conc: 496.21 ng/ml



#4 AR-1016-2

R.T.: 5.791 min
Delta R.T.: 0.000 min
Response: 55072542
Conc: 545.77 ng/ml



#4 AR-1016-2

R.T.: 4.866 min
Delta R.T.: -0.005 min
Response: 56419484
Conc: 507.40 ng/ml

Response_ Signal: PP076958.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 34625269
Conc: 532.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Time

Response_ Signal: PP076958.D\ECD2B.ch

#5 AR-1016-3

R.T.: 5.042 min
Delta R.T.: -0.005 min
Response: 29325359
Conc: 505.93 ng/ml

Time

Response_ Signal: PP076958.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.951 min
Delta R.T.: 0.000 min
Response: 28454680
Conc: 531.43 ng/ml

Time

Response_ Signal: PP076958.D\ECD2B.ch

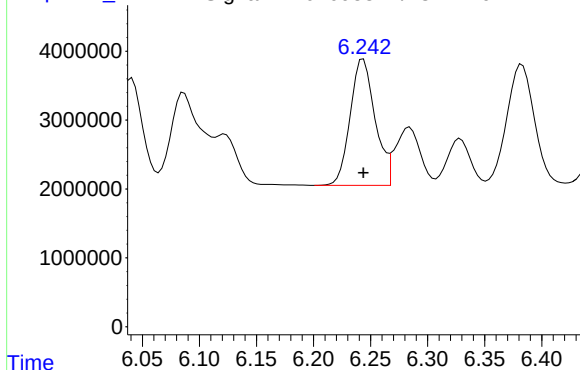
#6 AR-1016-4

R.T.: 5.083 min
Delta R.T.: -0.005 min
Response: 23561510
Conc: 503.98 ng/ml

Time

Response_ Signal: PP076958.D\ECD1A.ch

#7 AR-1016-5

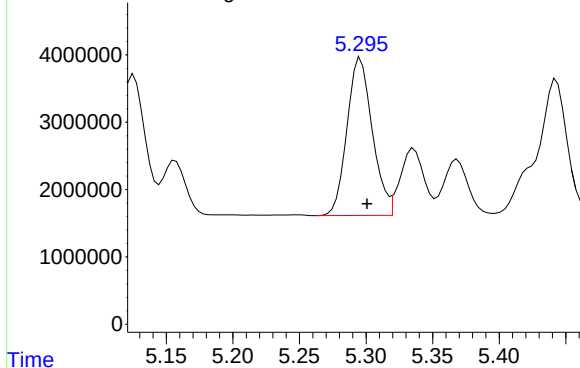


R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 27828038
Conc: 539.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Time Response_ Signal: PP076958.D\ECD2B.ch

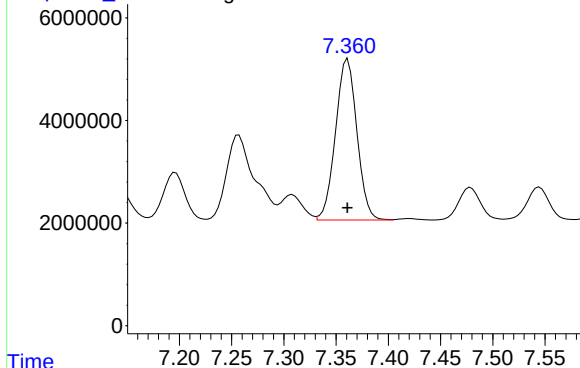
#7 AR-1016-5



R.T.: 5.296 min
Delta R.T.: -0.005 min
Response: 31066275
Conc: 501.55 ng/ml

Time Response_ Signal: PP076958.D\ECD1A.ch

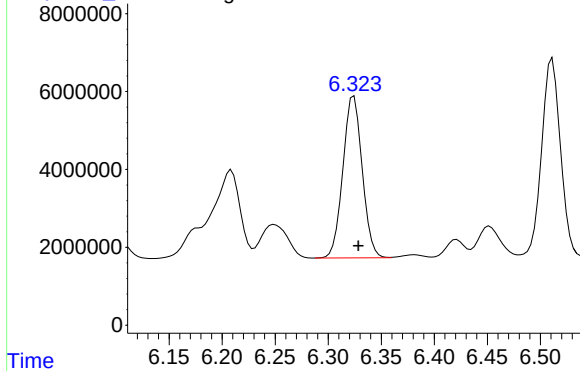
#31 AR-1260-1



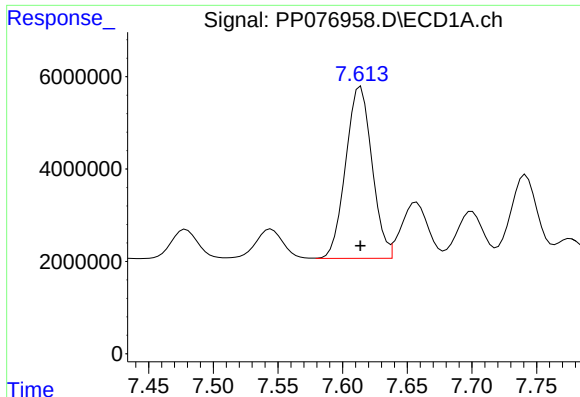
R.T.: 7.361 min
Delta R.T.: 0.000 min
Response: 44713356
Conc: 514.80 ng/ml

Time Response_ Signal: PP076958.D\ECD2B.ch

#31 AR-1260-1



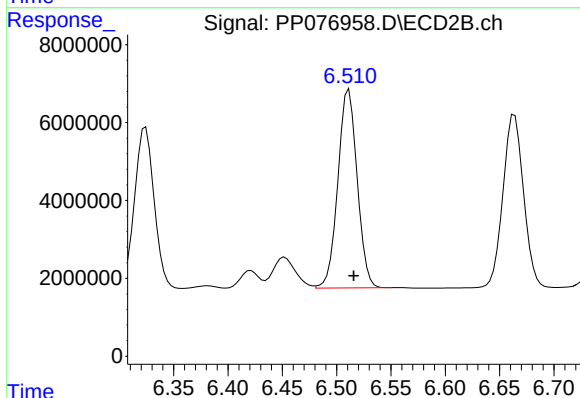
R.T.: 6.324 min
Delta R.T.: -0.004 min
Response: 52499321
Conc: 481.20 ng/ml



#32 AR-1260-2

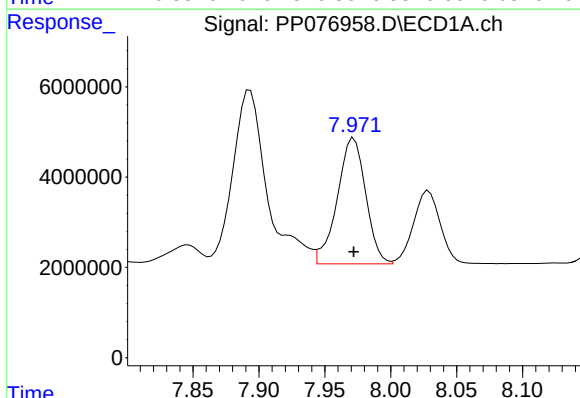
R.T.: 7.614 min
Delta R.T.: 0.000 min
Response: 52529913
Conc: 508.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



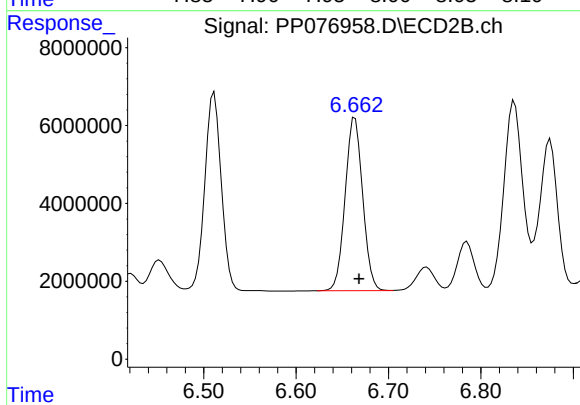
#32 AR-1260-2

R.T.: 6.511 min
Delta R.T.: -0.005 min
Response: 63009595
Conc: 473.82 ng/ml



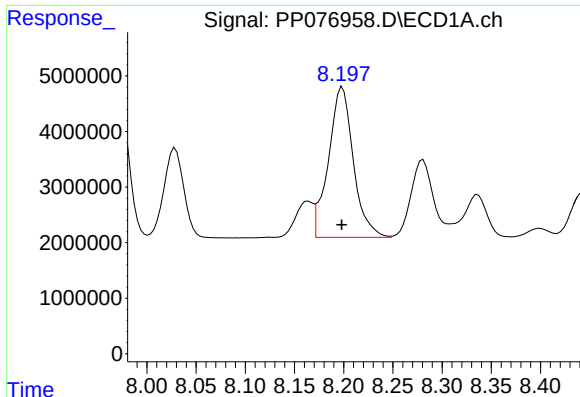
#33 AR-1260-3

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 41814531
Conc: 520.18 ng/ml



#33 AR-1260-3

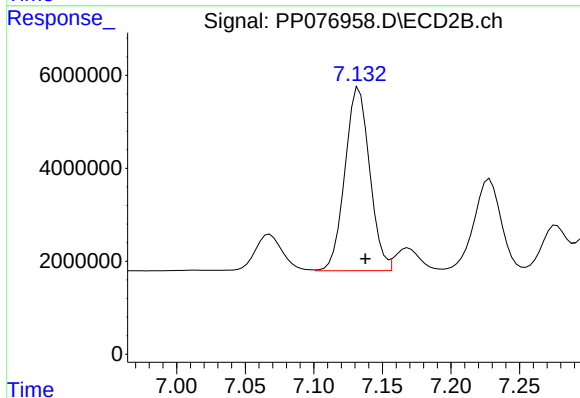
R.T.: 6.664 min
Delta R.T.: -0.004 min
Response: 58590834
Conc: 472.91 ng/ml



#34 AR-1260-4

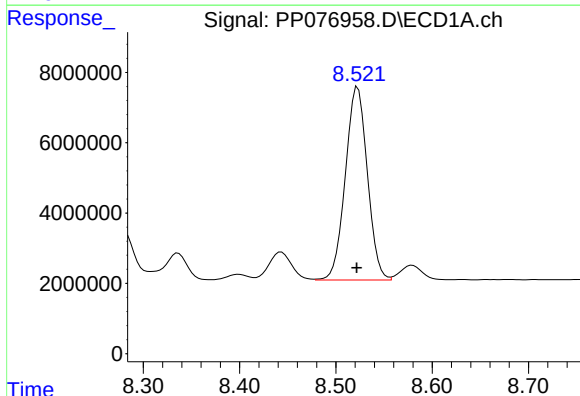
R.T.: 8.199 min
Delta R.T.: 0.000 min
Response: 47669494
Conc: 508.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



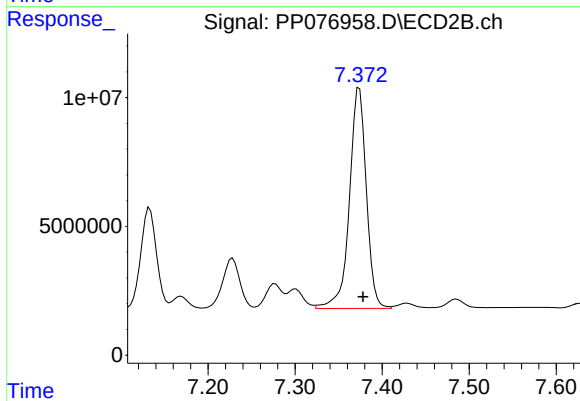
#34 AR-1260-4

R.T.: 7.133 min
Delta R.T.: -0.005 min
Response: 49456274
Conc: 476.10 ng/ml



#35 AR-1260-5

R.T.: 8.523 min
Delta R.T.: 0.001 min
Response: 87064574
Conc: 512.10 ng/ml



#35 AR-1260-5

R.T.: 7.374 min
Delta R.T.: -0.004 min
Response: 115562229
Conc: 467.63 ng/ml

Analytical Sequence

Client: Woodard & Curran	SDG No.: Q3834
Project: US EPA Riverside Industrial Park Superfund	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 11/21/2025 11/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	11/21/2025	10:27	PP076598.D	10.37	4.62
AR1660ICC1000	AR1660ICC1000	11/21/2025	10:44	PP076599.D	10.37	4.62
AR1660ICC750	AR1660ICC750	11/21/2025	11:00	PP076600.D	10.37	4.62
AR1660ICC500	AR1660ICC500	11/21/2025	11:17	PP076601.D	10.37	4.61
AR1660ICC250	AR1660ICC250	11/21/2025	11:33	PP076602.D	10.37	4.62
AR1660ICC050	AR1660ICC050	11/21/2025	11:49	PP076603.D	10.36	4.62
AR1221ICC500	AR1221ICC500	11/21/2025	12:38	PP076604.D	10.37	4.62
AR1232ICC500	AR1232ICC500	11/21/2025	12:56	PP076605.D	10.38	4.62
AR1242ICC1000	AR1242ICC1000	11/21/2025	13:15	PP076606.D	10.38	4.62
AR1242ICC750	AR1242ICC750	11/21/2025	13:32	PP076607.D	10.37	4.62
AR1242ICC500	AR1242ICC500	11/21/2025	13:48	PP076608.D	10.37	4.62
AR1242ICC250	AR1242ICC250	11/21/2025	14:05	PP076609.D	10.37	4.62
AR1242ICC050	AR1242ICC050	11/21/2025	14:21	PP076610.D	10.37	4.62
AR1248ICC1000	AR1248ICC1000	11/21/2025	14:54	PP076611.D	10.37	4.62
AR1248ICC750	AR1248ICC750	11/21/2025	15:10	PP076612.D	10.37	4.62
AR1248ICC500	AR1248ICC500	11/21/2025	15:32	PP076613.D	10.38	4.63
AR1248ICC250	AR1248ICC250	11/21/2025	15:49	PP076614.D	10.37	4.62
AR1248ICC050	AR1248ICC050	11/21/2025	16:05	PP076615.D	10.37	4.62
AR1254ICC1000	AR1254ICC1000	11/21/2025	16:38	PP076616.D	10.37	4.62
AR1254ICC750	AR1254ICC750	11/21/2025	16:55	PP076617.D	10.37	4.62
AR1254ICC500	AR1254ICC500	11/21/2025	17:11	PP076618.D	10.37	4.62
AR1254ICC250	AR1254ICC250	11/21/2025	17:28	PP076619.D	10.36	4.61
AR1254ICC050	AR1254ICC050	11/21/2025	17:44	PP076620.D	10.37	4.62
AR1262ICC500	AR1262ICC500	11/21/2025	18:17	PP076621.D	10.37	4.62
AR1268ICC1000	AR1268ICC1000	11/21/2025	18:33	PP076622.D	10.37	4.62
AR1268ICC750	AR1268ICC750	11/21/2025	18:50	PP076623.D	10.37	4.62
AR1268ICC500	AR1268ICC500	11/21/2025	19:06	PP076624.D	10.37	4.62
AR1268ICC250	AR1268ICC250	11/21/2025	19:23	PP076625.D	10.37	4.62
AR1268ICC050	AR1268ICC050	11/21/2025	19:39	PP076626.D	10.37	4.62
AR1660CCC500	AR1660CCC500	12/11/2025	08:28	PP076943.D	10.37	4.62
IBLK	IBLK	12/11/2025	09:34	PP076947.D	10.37	4.62
PB170898BL	PB170898BL	12/11/2025	12:06	PP076950.D	10.38	4.62
PB170898BS	PB170898BS	12/11/2025	12:22	PP076951.D	10.37	4.62
PL-01-12102025MS	Q3831-01MS	12/11/2025	13:12	PP076954.D	10.37	4.62
PL-01-12102025MSD	Q3831-01MSD	12/11/2025	13:28	PP076955.D	10.37	4.62
B127(5.5-8)120925	Q3834-29	12/11/2025	13:45	PP076956.D	10.37	4.62
B127(8-10)120925	Q3834-30	12/11/2025	14:01	PP076957.D	10.37	4.62
AR1660CCC500	AR1660CCC500	12/11/2025	15:07	PP076958.D	10.37	4.62
IBLK	IBLK	12/11/2025	16:13	PP076962.D	10.37	4.62

Analytical Sequence

Client: Woodard & Curran	SDG No.: Q3834
Project: US EPA Riverside Industrial Park Superfund	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/21/2025 11/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	11/21/2025	10:27	PP076598.D	8.77	3.78
AR1660ICC1000	AR1660ICC1000	11/21/2025	10:44	PP076599.D	8.77	3.78
AR1660ICC750	AR1660ICC750	11/21/2025	11:00	PP076600.D	8.77	3.77
AR1660ICC500	AR1660ICC500	11/21/2025	11:17	PP076601.D	8.77	3.77
AR1660ICC250	AR1660ICC250	11/21/2025	11:33	PP076602.D	8.77	3.78
AR1660ICC050	AR1660ICC050	11/21/2025	11:49	PP076603.D	8.77	3.77
AR1221ICC500	AR1221ICC500	11/21/2025	12:38	PP076604.D	8.77	3.77
AR1232ICC500	AR1232ICC500	11/21/2025	12:56	PP076605.D	8.77	3.77
AR1242ICC1000	AR1242ICC1000	11/21/2025	13:15	PP076606.D	8.77	3.77
AR1242ICC750	AR1242ICC750	11/21/2025	13:32	PP076607.D	8.77	3.77
AR1242ICC500	AR1242ICC500	11/21/2025	13:48	PP076608.D	8.77	3.77
AR1242ICC250	AR1242ICC250	11/21/2025	14:05	PP076609.D	8.77	3.77
AR1242ICC050	AR1242ICC050	11/21/2025	14:21	PP076610.D	8.77	3.77
AR1248ICC1000	AR1248ICC1000	11/21/2025	14:54	PP076611.D	8.77	3.77
AR1248ICC750	AR1248ICC750	11/21/2025	15:10	PP076612.D	8.77	3.77
AR1248ICC500	AR1248ICC500	11/21/2025	15:32	PP076613.D	8.77	3.78
AR1248ICC250	AR1248ICC250	11/21/2025	15:49	PP076614.D	8.77	3.77
AR1248ICC050	AR1248ICC050	11/21/2025	16:05	PP076615.D	8.77	3.77
AR1254ICC1000	AR1254ICC1000	11/21/2025	16:38	PP076616.D	8.77	3.77
AR1254ICC750	AR1254ICC750	11/21/2025	16:55	PP076617.D	8.77	3.78
AR1254ICC500	AR1254ICC500	11/21/2025	17:11	PP076618.D	8.77	3.77
AR1254ICC250	AR1254ICC250	11/21/2025	17:28	PP076619.D	8.77	3.77
AR1254ICC050	AR1254ICC050	11/21/2025	17:44	PP076620.D	8.77	3.78
AR1262ICC500	AR1262ICC500	11/21/2025	18:17	PP076621.D	8.77	3.77
AR1268ICC1000	AR1268ICC1000	11/21/2025	18:33	PP076622.D	8.77	3.78
AR1268ICC750	AR1268ICC750	11/21/2025	18:50	PP076623.D	8.77	3.77
AR1268ICC500	AR1268ICC500	11/21/2025	19:06	PP076624.D	8.77	3.78
AR1268ICC250	AR1268ICC250	11/21/2025	19:23	PP076625.D	8.77	3.77
AR1268ICC050	AR1268ICC050	11/21/2025	19:39	PP076626.D	8.77	3.77
AR1660CCC500	AR1660CCC500	12/11/2025	08:28	PP076943.D	8.76	3.77
IBLK	IBLK	12/11/2025	09:34	PP076947.D	8.76	3.77
PB170898BL	PB170898BL	12/11/2025	12:06	PP076950.D	8.77	3.77
PB170898BS	PB170898BS	12/11/2025	12:22	PP076951.D	8.77	3.77
PL-01-12102025MS	Q3831-01MS	12/11/2025	13:12	PP076954.D	8.76	3.77
PL-01-12102025MSD	Q3831-01MSD	12/11/2025	13:28	PP076955.D	8.77	3.77
B127(5.5-8)120925	Q3834-29	12/11/2025	13:45	PP076956.D	8.77	3.77
B127(8-10)120925	Q3834-30	12/11/2025	14:01	PP076957.D	8.77	3.78
AR1660CCC500	AR1660CCC500	12/11/2025	15:07	PP076958.D	8.77	3.77
IBLK	IBLK	12/11/2025	16:13	PP076962.D	8.77	3.77

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170898BS

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Lab Sample ID: PB170898BS

Date(s) Analyzed: 12/11/2025 12/11/2025

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 PP076951.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.771	5.721	5.821	158	158	9.97
COLUMN 1	2	5.792	5.742	5.842	161		
	3	5.854	5.804	5.904	160		
	4	5.952	5.902	6.002	160		
	5	6.244	6.194	6.294	154		
	1	4.849	4.799	4.899	141		
COLUMN 2	2	4.867	4.817	4.917	146	143	
	3	5.042	4.992	5.092	144		
	4	5.084	5.034	5.134	143		
	5	5.296	5.246	5.346	139		
Aroclor-1260	1	7.362	7.312	7.412	161	148	6.27
COLUMN 1	2	7.614	7.564	7.664	157		
	3	7.972	7.922	8.022	138		
	4	8.198	8.148	8.248	147		
	5	8.523	8.473	8.573	140		
	1	6.323	6.273	6.373	148		
COLUMN 2	2	6.511	6.461	6.561	146	139	
	3	6.663	6.613	6.713	146		
	4	7.132	7.082	7.182	127		
	5	7.373	7.323	7.423	127		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PL-01-12102025MS

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Lab Sample ID: Q3831-01MS

Date(s) Analyzed: 12/11/2025 12/11/2025

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 PP076954.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.769	5.719	5.819	185	188	15.47
COLUMN 1	2	5.79	5.74	5.84	186		
	3	5.853	5.803	5.903	187		
	4	5.95	5.9	6	199		
	5	6.243	6.193	6.293	181		
	1	4.849	4.799	4.899	166		
COLUMN 2	2	4.866	4.816	4.916	164	161	
	3	5.041	4.991	5.091	167		
	4	5.083	5.033	5.133	166		
	5	5.295	5.245	5.345	143		
	Aroclor-1260	1	7.359	7.309	7.409		182
COLUMN 1	2	7.611	7.561	7.661	164		
	3	7.971	7.921	8.021	147		
	4	8.197	8.147	8.247	180		
	5	8.521	8.471	8.571	154		
	1	6.323	6.273	6.373	177	158	
COLUMN 2	2	6.511	6.461	6.561	173		
	3	6.662	6.612	6.712	159		
	4	7.132	7.082	7.182	142		
	5	7.372	7.322	7.422	140		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PL-01-12102025MSD

Lab Name: Alliance

Contract: WOOD06

Lab Code: ACE

SDG NO.: Q3834

Lab Sample ID: Q3831-01MSD

Date(s) Analyzed: 12/11/2025 12/11/2025

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 PP076955.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.772	5.722	5.822	152	155	16.03
COLUMN 1	2	5.794	5.744	5.844	154		
	3	5.857	5.807	5.907	154		
	4	5.953	5.903	6.003	163		
	5	6.246	6.196	6.296	152		
	1	4.852	4.802	4.902	137		
COLUMN 2	2	4.87	4.82	4.92	133	132	
	3	5.045	4.995	5.095	135		
	4	5.087	5.037	5.137	135		
	5	5.298	5.248	5.348	117		
	Aroclor-1260	1	7.362	7.312	7.412		151
COLUMN 1	2	7.615	7.565	7.665	136		
	3	7.974	7.924	8.024	120		
	4	8.201	8.151	8.251	147		
	5	8.524	8.474	8.574	127		
	1	6.326	6.276	6.376	144	127	
COLUMN 2	2	6.514	6.464	6.564	139		
	3	6.666	6.616	6.716	126		
	4	7.135	7.085	7.185	113		
	5	7.376	7.326	7.426	111		



QC SAMPLE DATA



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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran		Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site		Date Received:	
Client Sample ID:	PB170898BL		SDG No.:	Q3834
Lab Sample ID:	PB170898BL		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date: 12/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	3.90	U	1	3.90	17.0	ug/kg	12/11/25 12:06	PB170898
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	12/11/25 12:06	PB170898
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	12/11/25 12:06	PB170898
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	12/11/25 12:06	PB170898
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	12/11/25 12:06	PB170898
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	12/11/25 12:06	PB170898
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	12/11/25 12:06	PB170898
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	12/11/25 12:06	PB170898
11096-82-5	Aroclor-1260	3.20	U	1	3.20	17.0	ug/kg	12/11/25 12:06	PB170898
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.3			30 (21) - 150 (165)	121%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.5			30 (10) - 150 (170)	122%	SPK: 20		

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\PP121125\
Data File : PP076950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 12:06
Operator : YP\AJ
Sample : PB170898BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170898BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 13:04:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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...	4.621	3.774	44587894	46141957	24.292	22.153
2) SA Decachlor...	10.381	8.768	36663552	36949761	24.464	20.940

Target Compounds

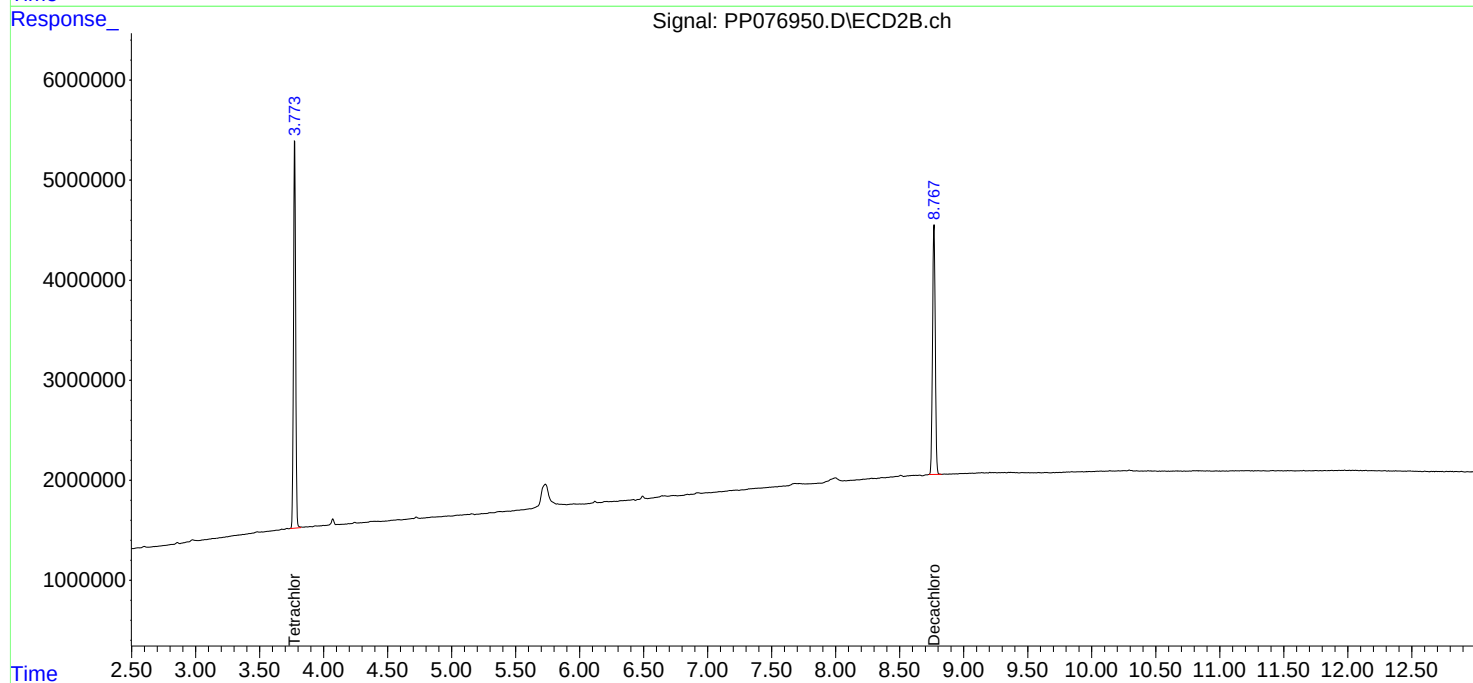
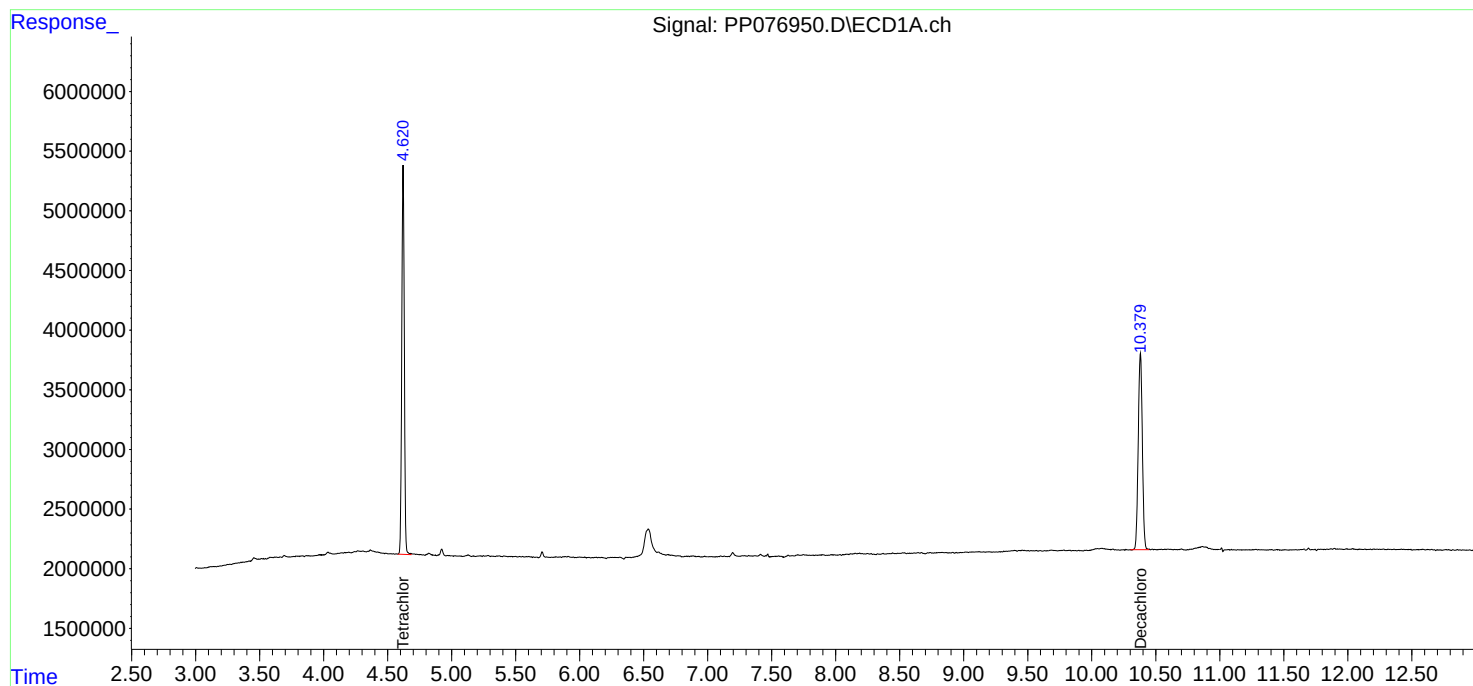
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

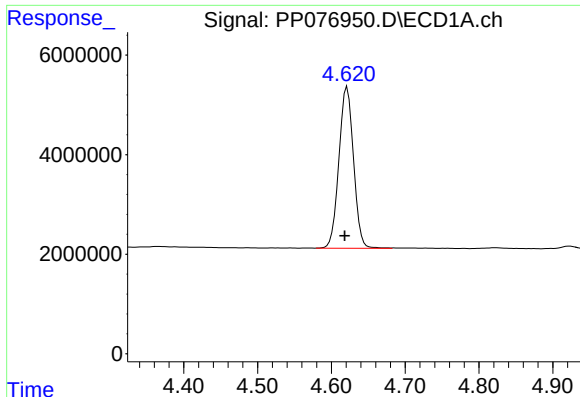
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 12:06
Operator : YP\AJ
Sample : PB170898BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170898BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 13:04:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

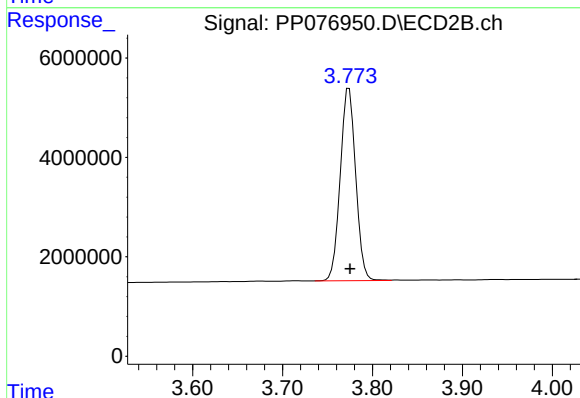




#1 Tetrachloro-m-xylene

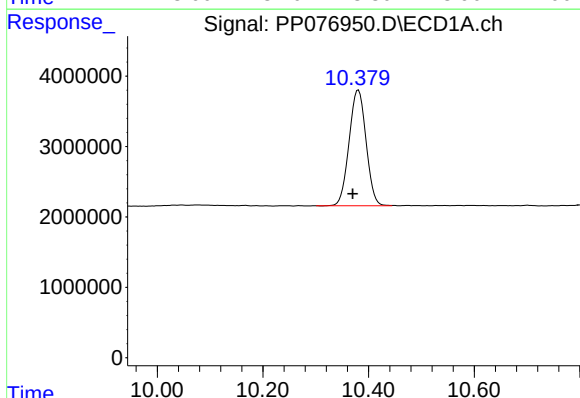
R.T.: 4.621 min
Delta R.T.: 0.003 min
Response: 44587894
Conc: 24.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170898BL



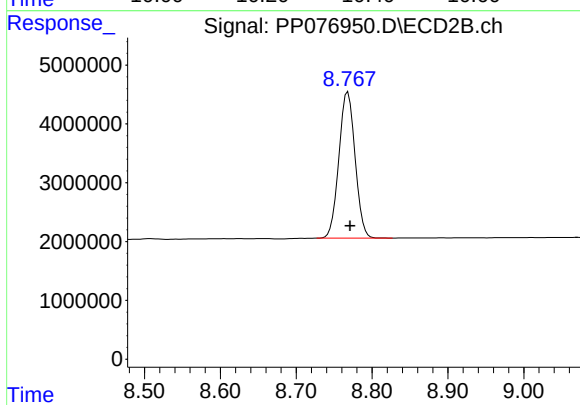
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: 0.000 min
Response: 46141957
Conc: 22.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.381 min
Delta R.T.: 0.011 min
Response: 36663552
Conc: 24.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.768 min
Delta R.T.: -0.003 min
Response: 36949761
Conc: 20.94 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	11/21/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	11/21/25
Client Sample ID:	PIBLK-PP076598.D	SDG No.:	Q3834
Lab Sample ID:	I.BLK-PP076598.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL
Prep Method:	5030	Test:	PCB
	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/21/25	PP112125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/21/25	PP112125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/21/25	PP112125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/21/25	PP112125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/21/25	PP112125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/21/25	PP112125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/21/25	PP112125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/21/25	PP112125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/21/25	PP112125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.3			70 (60) - 130 (140)	106%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.1			70 (60) - 130 (140)	110%	SPK: 20		

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\PP112125\
Data File : PP076598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 10:27
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: Nov 21 22:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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...	4.619	3.776	40392693	44374286	22.006	21.304
2) SA Decachlor...	10.370	8.771	34975302	38940520	23.337	22.069

Target Compounds

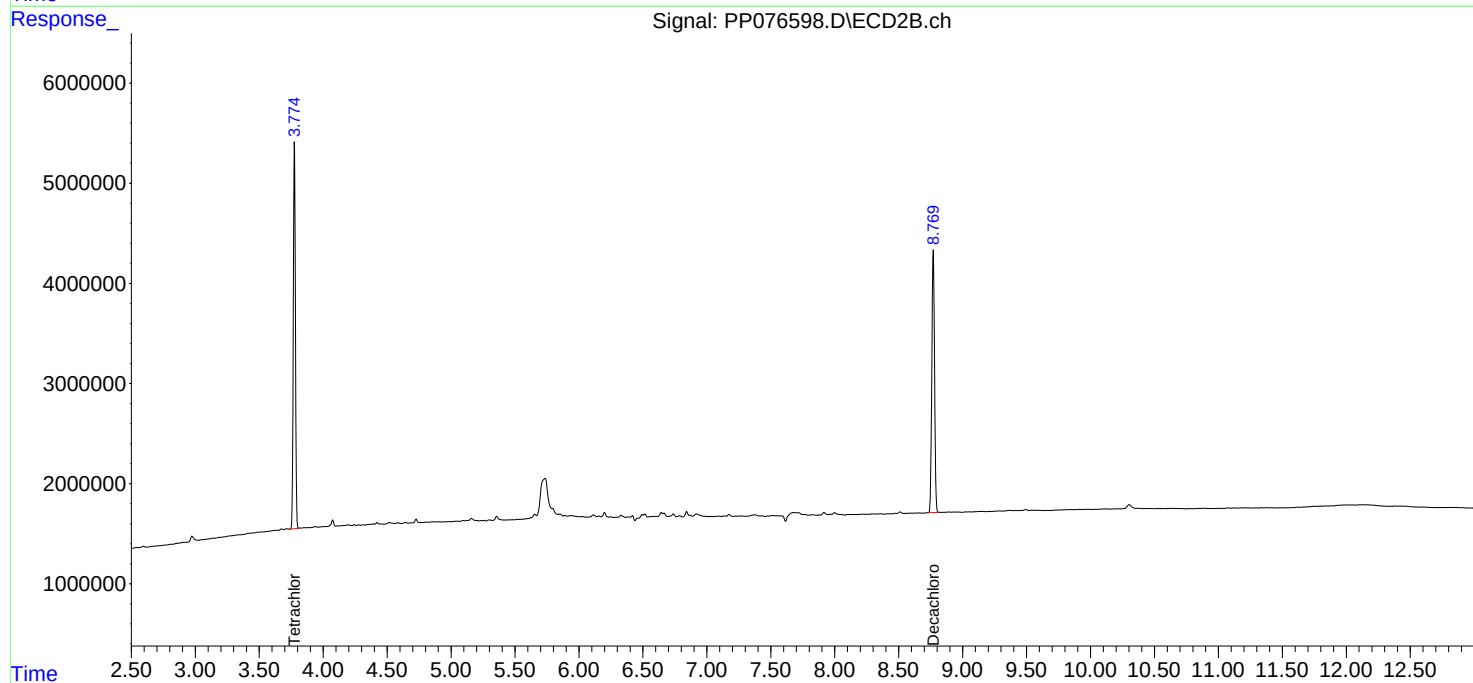
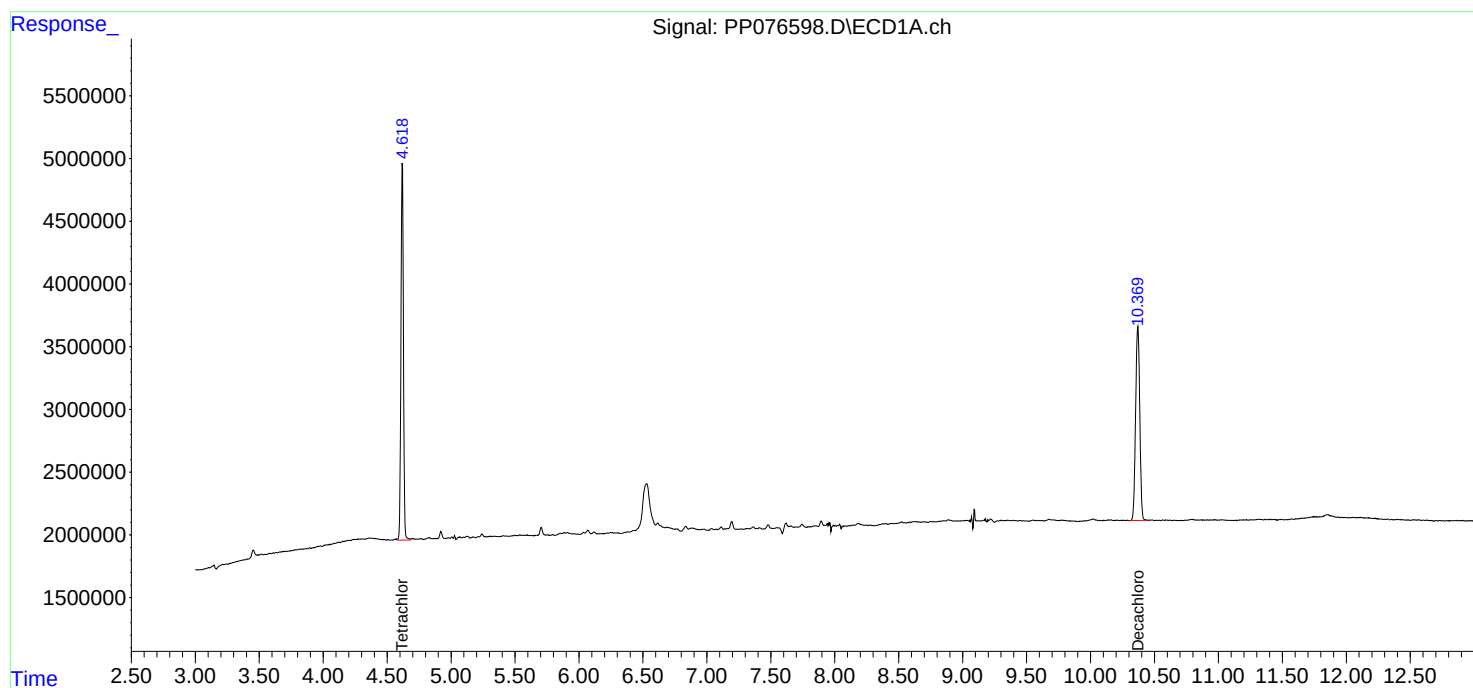
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

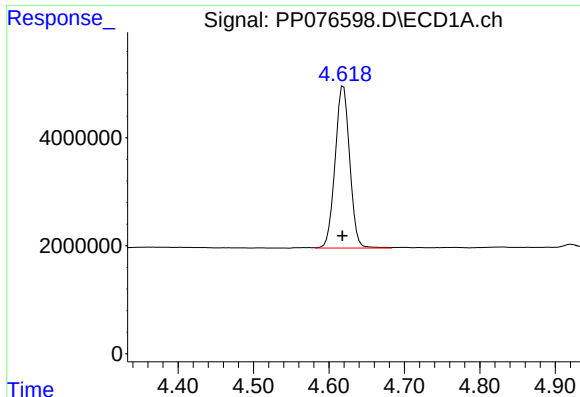
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112125\
Data File : PP076598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 10:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 22:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

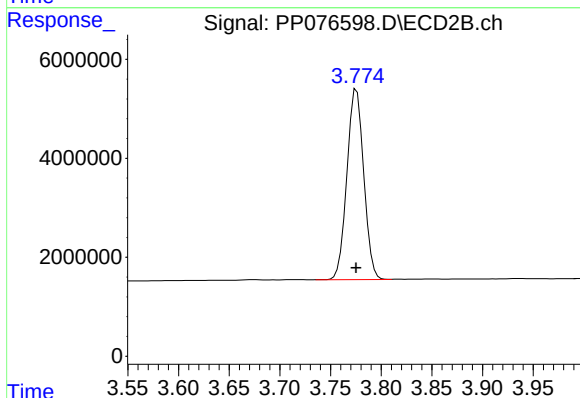




#1 Tetrachloro-m-xylene

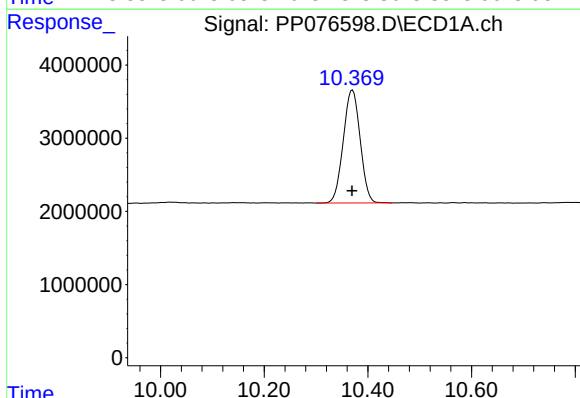
R.T.: 4.619 min
Delta R.T.: 0.001 min
Response: 40392693
Conc: 22.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



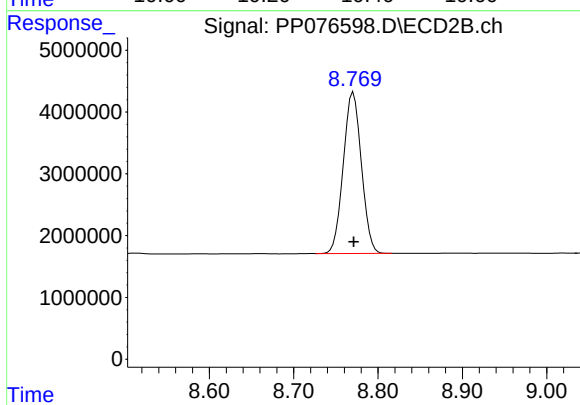
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: 0.000 min
Response: 44374286
Conc: 21.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.370 min
Delta R.T.: 0.000 min
Response: 34975302
Conc: 23.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: 0.000 min
Response: 38940520
Conc: 22.07 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	12/11/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	12/11/25
Client Sample ID:	PIBLK-PP076947.D	SDG No.:	Q3834
Lab Sample ID:	I.BLK-PP076947.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL
Prep Method:	5030	Test:	PCB
	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	12/11/25	PP121125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	12/11/25	PP121125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	12/11/25	PP121125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	12/11/25	PP121125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	12/11/25	PP121125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	12/11/25	PP121125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	12/11/25	PP121125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	12/11/25	PP121125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	12/11/25	PP121125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.1			70 (60) - 130 (140)	85%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			70 (60) - 130 (140)	82%	SPK: 20		

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\PP121125\
Data File : PP076947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 09:34
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: Dec 11 12:23:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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...	4.619	3.770	35442909	35552082	19.310	17.068
2) SA Decachlor...	10.374	8.763	29083382	28908090	19.406	16.383

Target Compounds

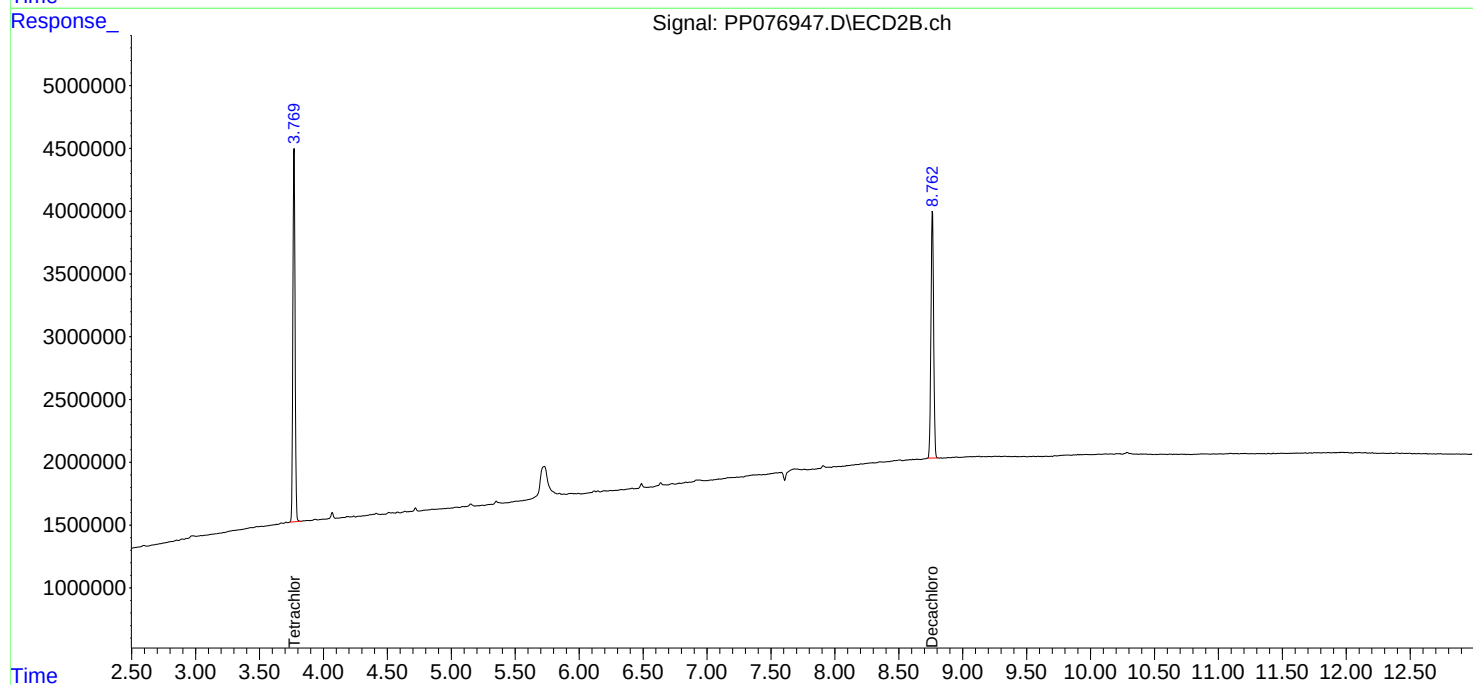
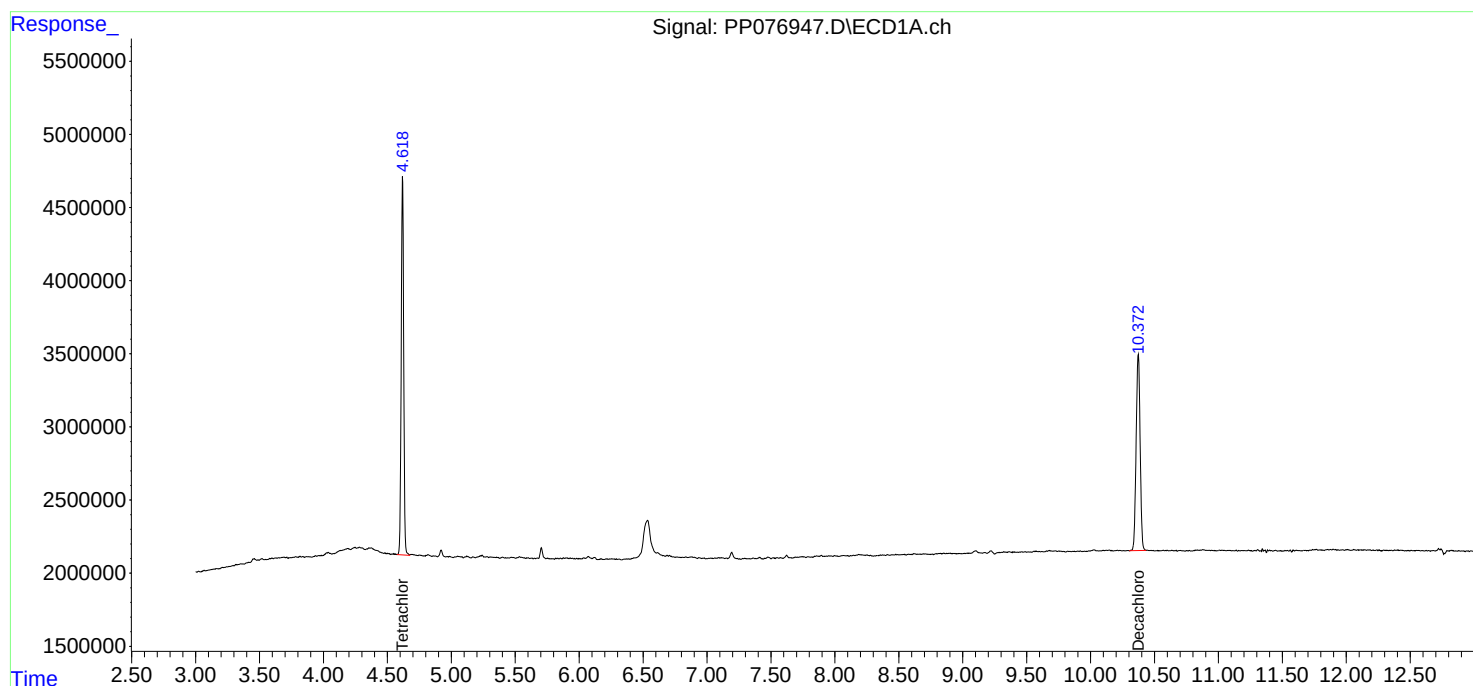
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

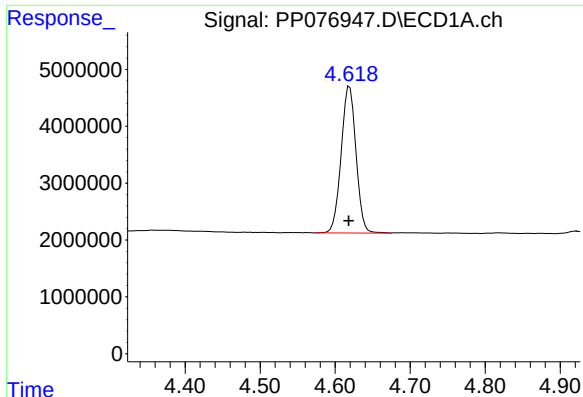
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 09:34
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 12:23:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

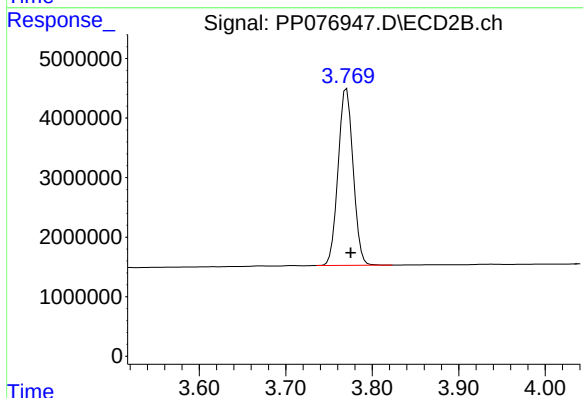




#1 Tetrachloro-m-xylene

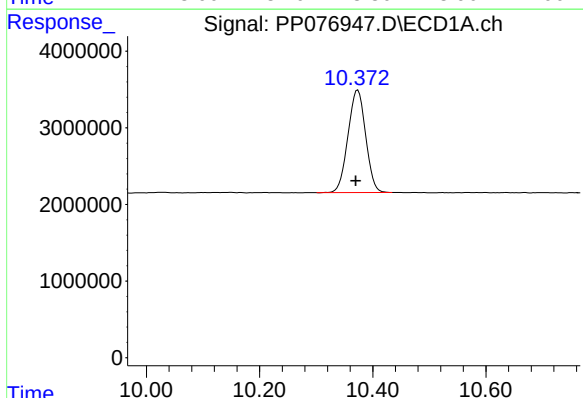
R.T.: 4.619 min
Delta R.T.: 0.001 min
Response: 35442909
Conc: 19.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



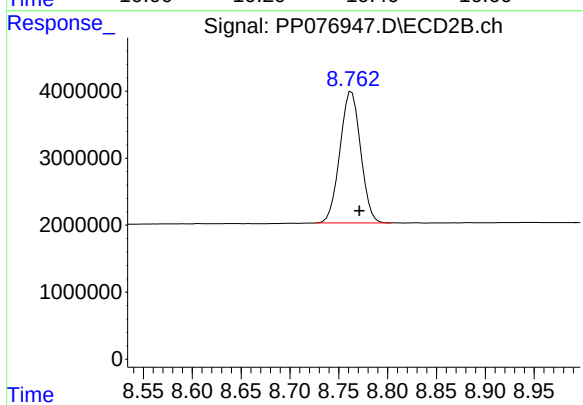
#1 Tetrachloro-m-xylene

R.T.: 3.770 min
Delta R.T.: -0.005 min
Response: 35552082
Conc: 17.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.374 min
Delta R.T.: 0.004 min
Response: 29083382
Conc: 19.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.763 min
Delta R.T.: -0.008 min
Response: 28908090
Conc: 16.38 ng/ml



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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	12/11/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	12/11/25
Client Sample ID:	PIBLK-PP076962.D	SDG No.:	Q3834
Lab Sample ID:	I.BLK-PP076962.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL
Prep Method:	5030	Test:	PCB
	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	12/11/25	PP121125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	12/11/25	PP121125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	12/11/25	PP121125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	12/11/25	PP121125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	12/11/25	PP121125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	12/11/25	PP121125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	12/11/25	PP121125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	12/11/25	PP121125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	12/11/25	PP121125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	16.7			70 (60) - 130 (140)	83%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.7			70 (60) - 130 (140)	79%	SPK: 20		

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\PP121125\
Data File : PP076962.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 16:13
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: Dec 12 01:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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...	4.617	3.772	35303479	34759163	19.234	16.688
2)	SA Decachlor...	10.371	8.765	28384069	27741863	18.939	15.722

Target Compounds

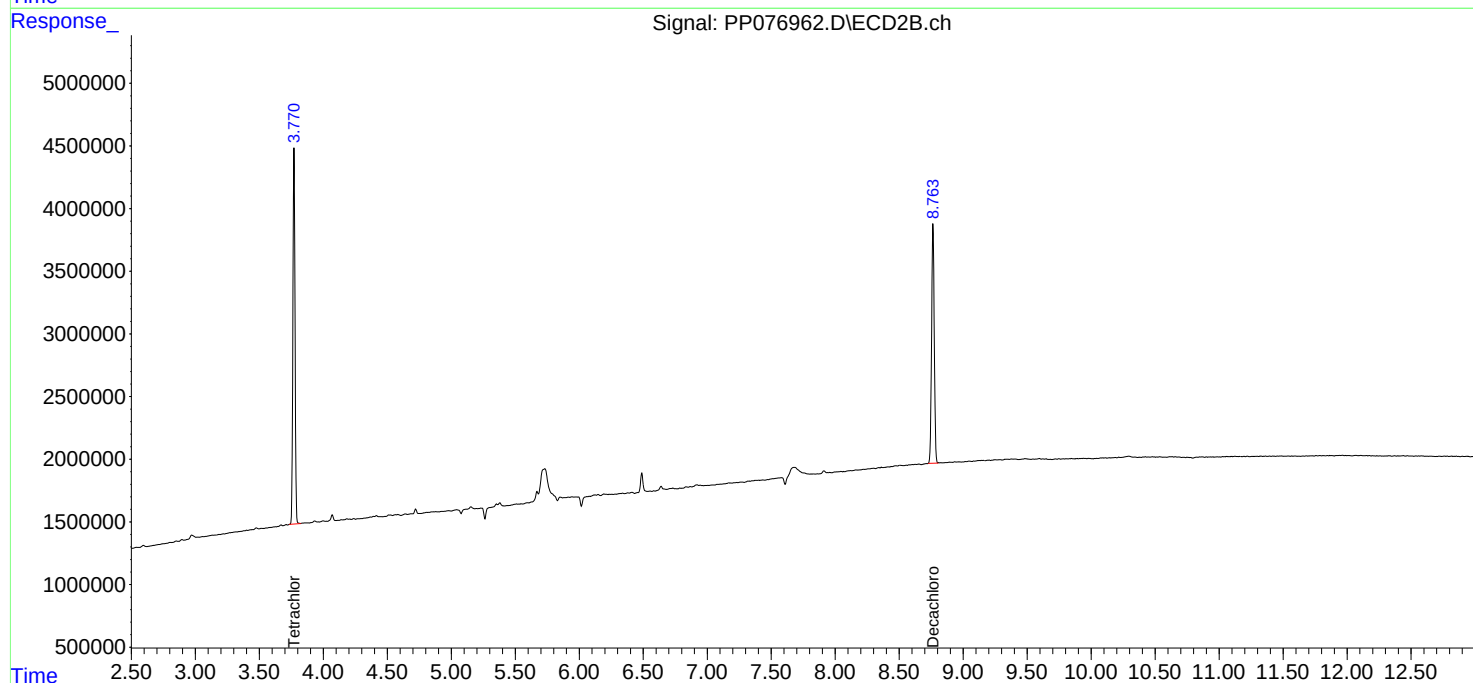
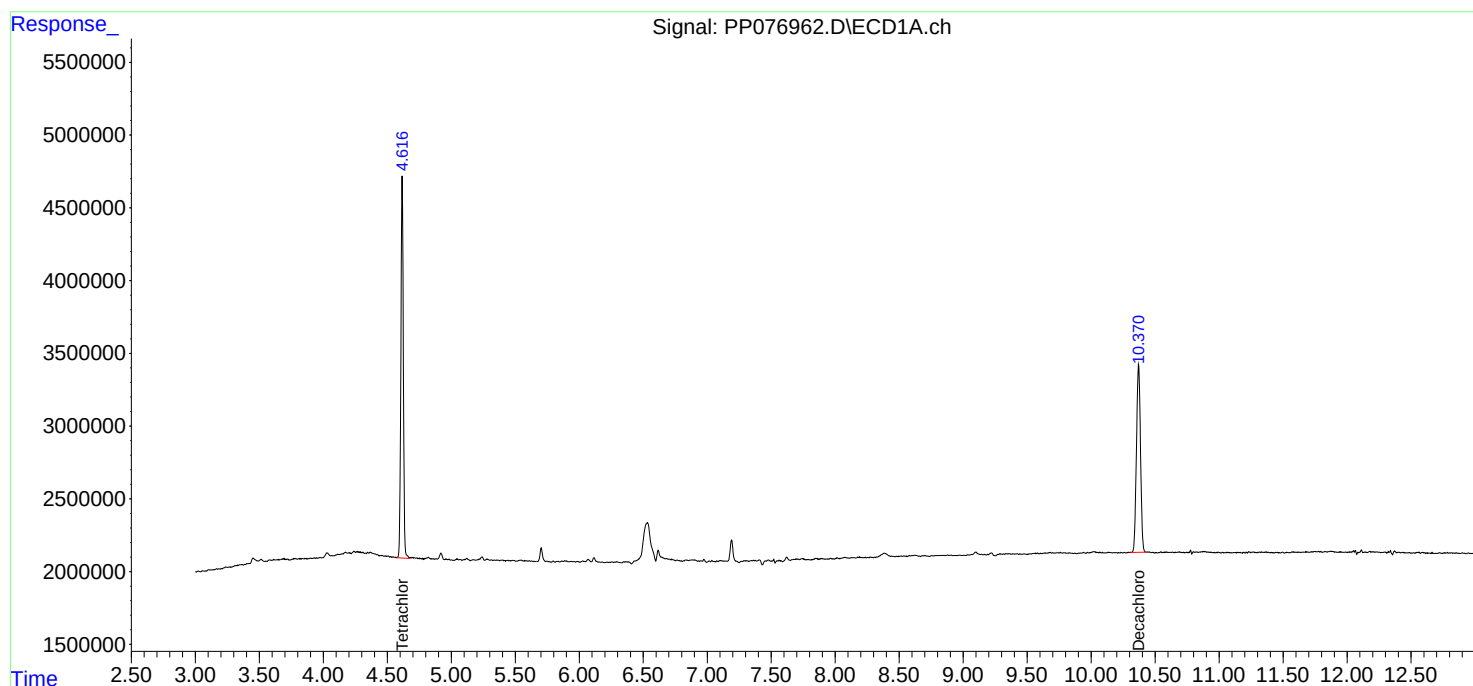
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

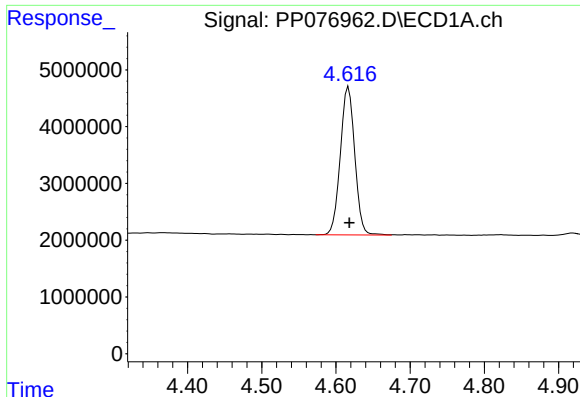
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076962.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 16:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 12 01:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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

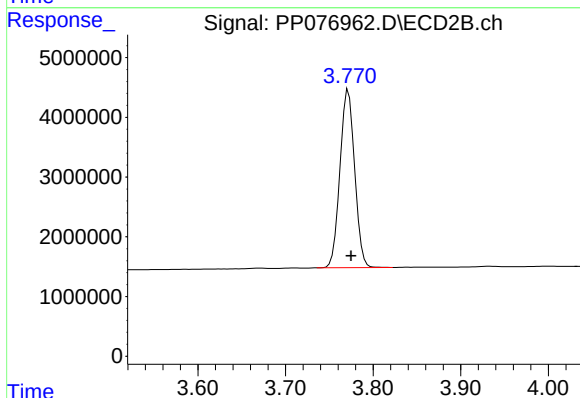




#1 Tetrachloro-m-xylene

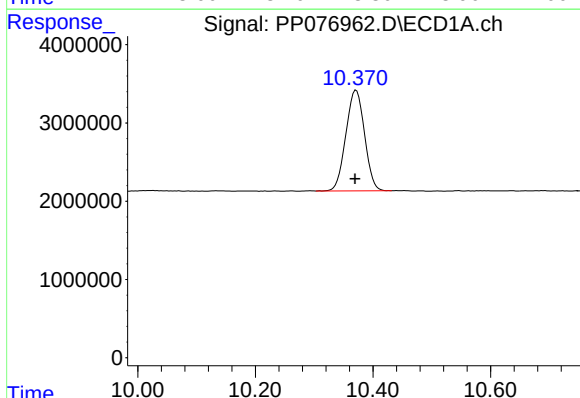
R.T.: 4.617 min
Delta R.T.: -0.001 min
Response: 35303479
Conc: 19.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



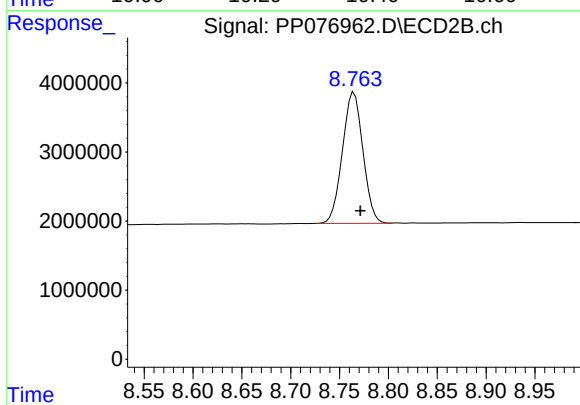
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: -0.003 min
Response: 34759163
Conc: 16.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.371 min
Delta R.T.: 0.002 min
Response: 28384069
Conc: 18.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.765 min
Delta R.T.: -0.006 min
Response: 27741863
Conc: 15.72 ng/ml



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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	PB170898BS	SDG No.:	Q3834
Lab Sample ID:	PB170898BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	PCB
	Final Vol: 10000 uL		
Prep Method:	SW3541B	Prep Date:	12/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	158		1	3.90	17.0	ug/kg	12/11/25 12:22	PB170898
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	12/11/25 12:22	PB170898
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	12/11/25 12:22	PB170898
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	12/11/25 12:22	PB170898
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	12/11/25 12:22	PB170898
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	12/11/25 12:22	PB170898
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	12/11/25 12:22	PB170898
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	12/11/25 12:22	PB170898
11096-82-5	Aroclor-1260	148		1	3.20	17.0	ug/kg	12/11/25 12:22	PB170898
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.6			30 (21) - 150 (165)	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.6			30 (10) - 150 (170)	123%	SPK: 20		

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\PP121125\
 Data File : PP076951.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Dec 2025 12:22
 Operator : YP\AJ
 Sample : PB170898BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB170898BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 11 13:05:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.618	3.772	45089400	44198849	24.565	21.220
2) SA Decachlor...	10.374	8.766	36829659	36949400	24.575	20.940
Target Compounds						
3) L1 AR-1016-1	5.771	4.849	32110159	31939087	475.601	424.887
4) L1 AR-1016-2	5.792	4.867	48694035	48713643	482.560	438.101
5) L1 AR-1016-3	5.854	5.042	31150844	25134751	479.284	433.629
6) L1 AR-1016-4	5.952	5.084	25672121	20055254	479.464	428.983
7) L1 AR-1016-5	6.244	5.296	23801235	25894823	461.540	418.061
31) L7 AR-1260-1	7.362	6.323	41879416	48452002	482.167	444.098
32) L7 AR-1260-2	7.614	6.511	48795926	58313835	472.115	438.511
33) L7 AR-1260-3	7.972	6.663	33257522	54370500	413.729	438.847
34) L7 AR-1260-4	8.198	7.132	41383401	39592963	441.792m	381.147
35) L7 AR-1260-5	8.523	7.373	71224174	93878397	418.926	379.885

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 12:22
Operator : YP\AJ
Sample : PB170898BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB170898BS

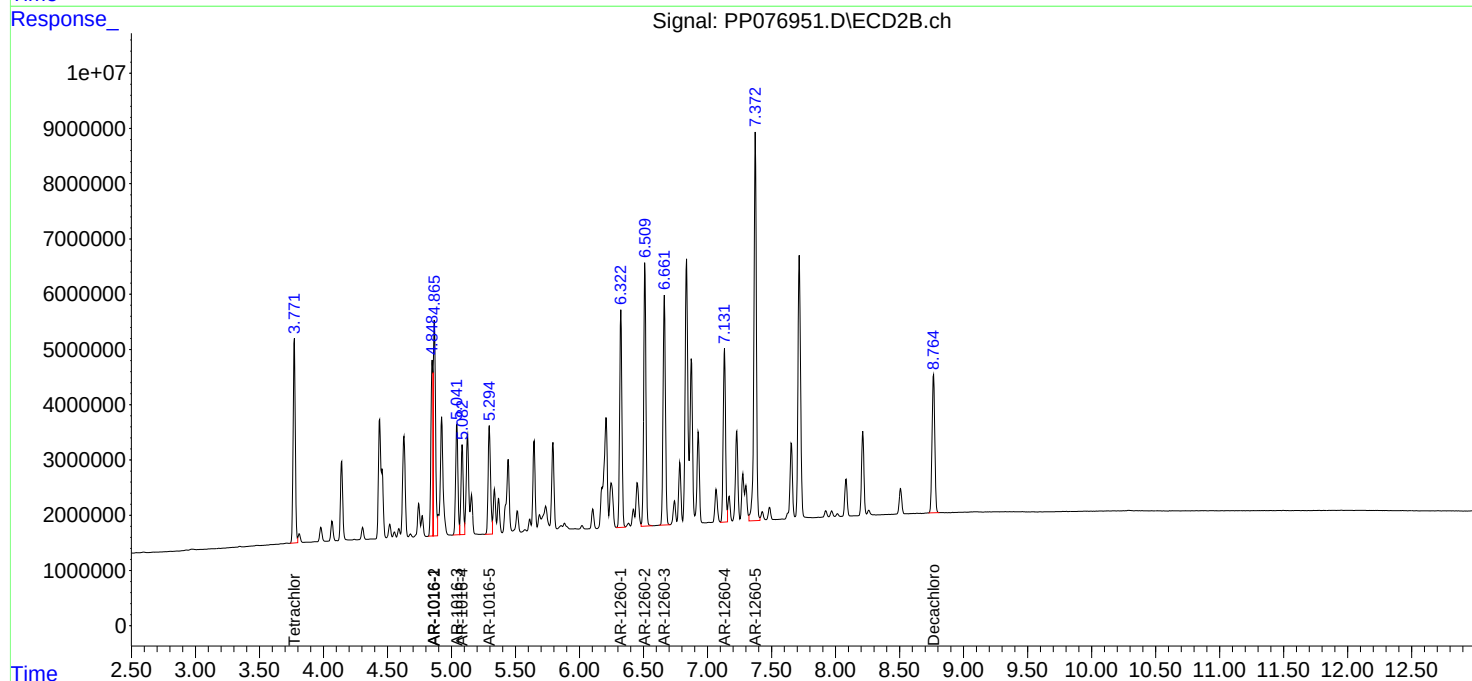
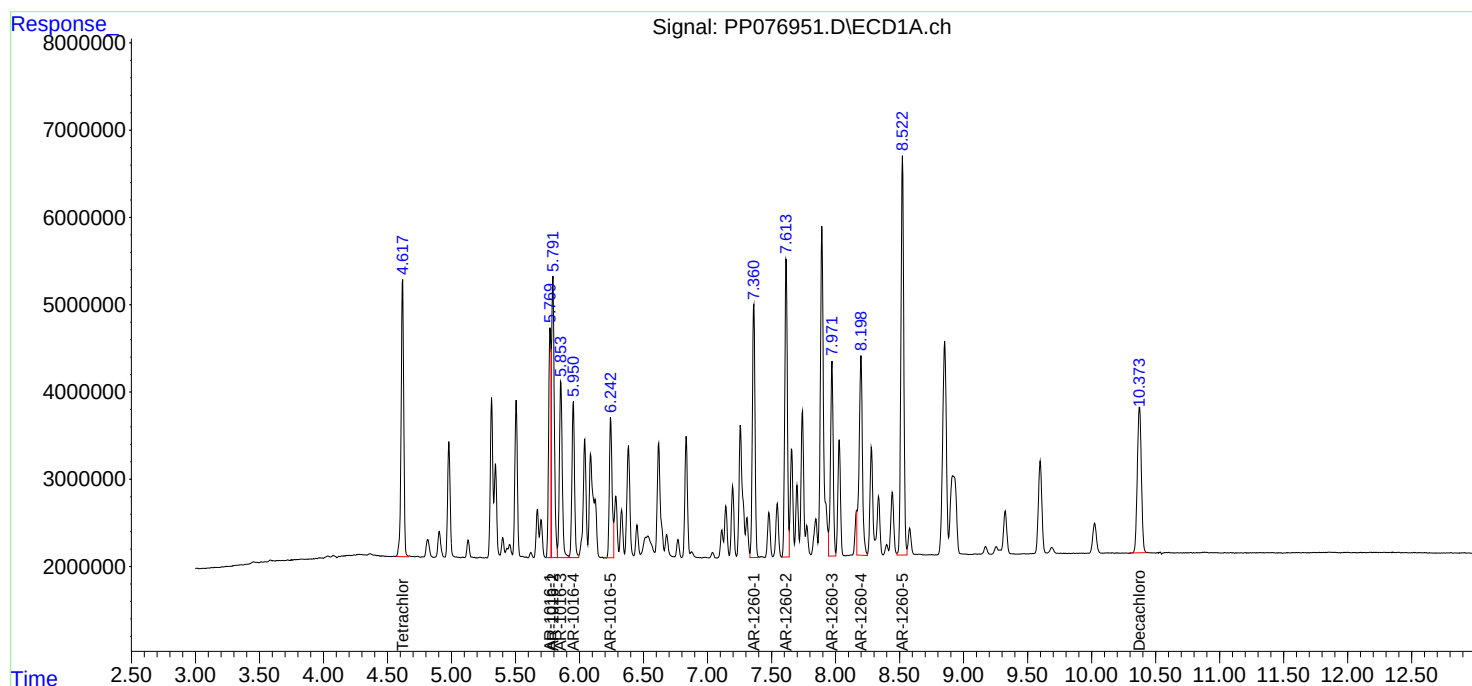
Manual Integrations

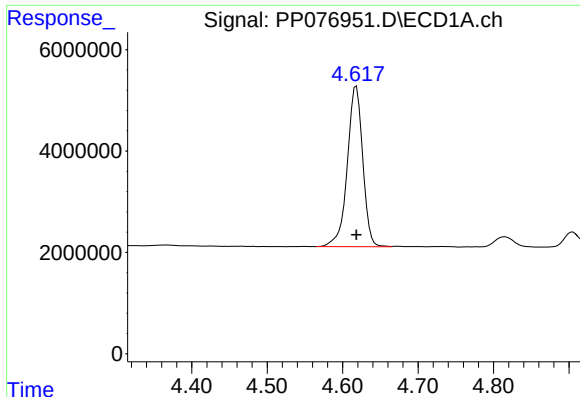
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 13:05:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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.: 4.618 min
Delta R.T.: 0.000 min
Response: 45089400
Conc: 24.57 ng/ml

Instrument :

ECD_P

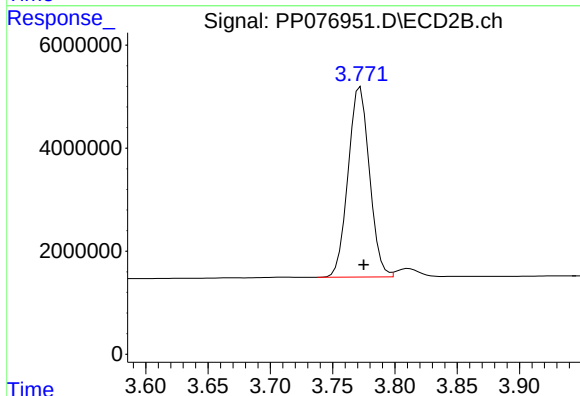
ClientSampleId :

PB170898BS

Manual Integrations

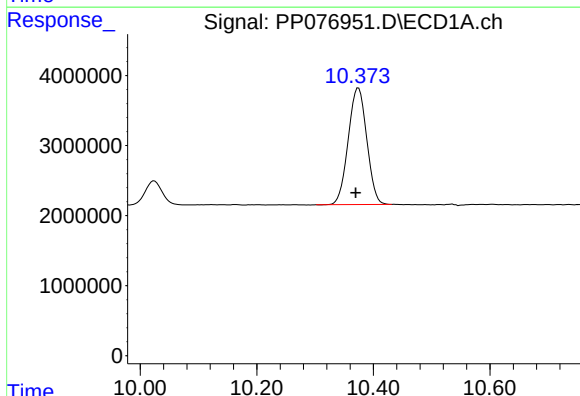
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



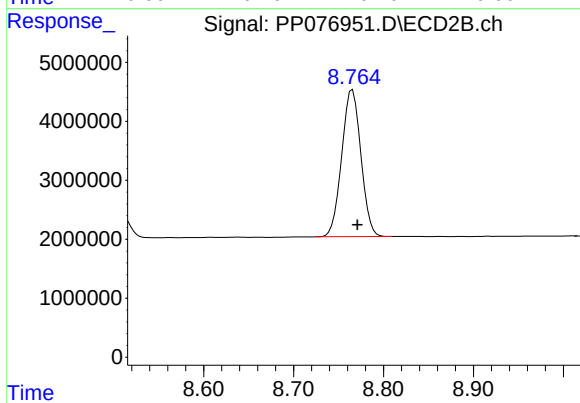
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: -0.003 min
Response: 44198849
Conc: 21.22 ng/ml



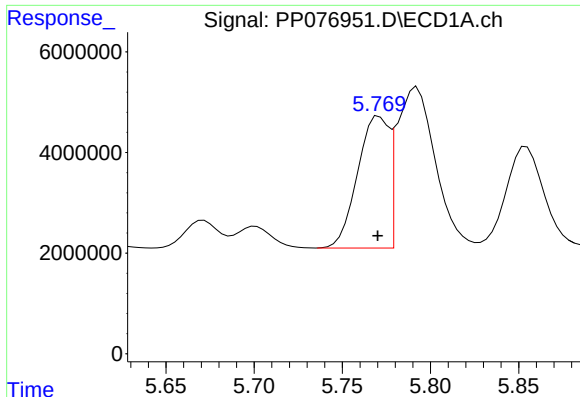
#2 Decachlorobiphenyl

R.T.: 10.374 min
Delta R.T.: 0.005 min
Response: 36829659
Conc: 24.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.006 min
Response: 36949400
Conc: 20.94 ng/ml



#3 AR-1016-1

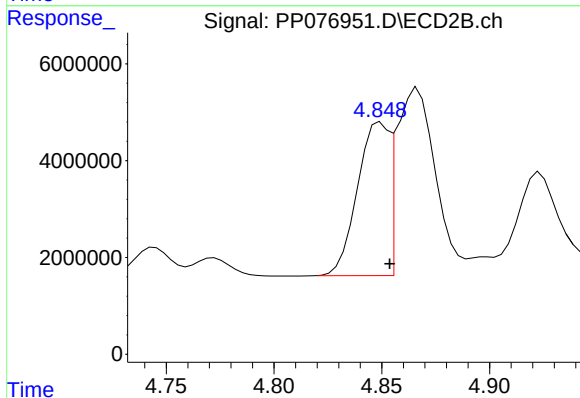
R.T.: 5.771 min
Delta R.T.: 0.000 min
Response: 32110159
Conc: 475.60 ng/ml

Instrument :

ECD_P

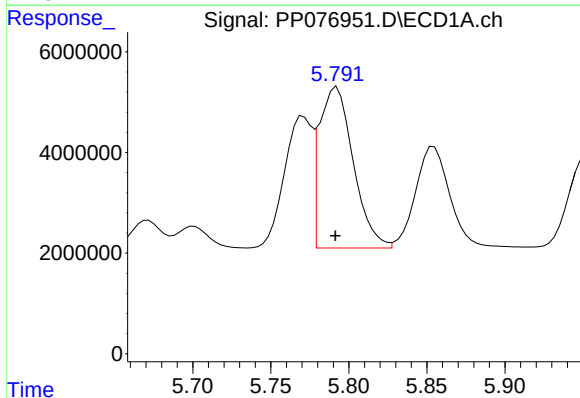
ClientSampleId :
PB170898BS**Manual Integrations**
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



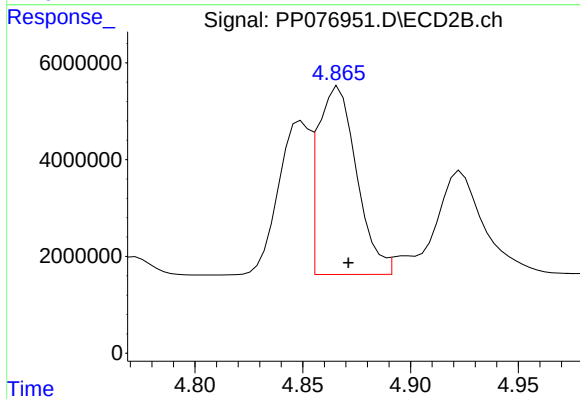
#3 AR-1016-1

R.T.: 4.849 min
Delta R.T.: -0.004 min
Response: 31939087
Conc: 424.89 ng/ml



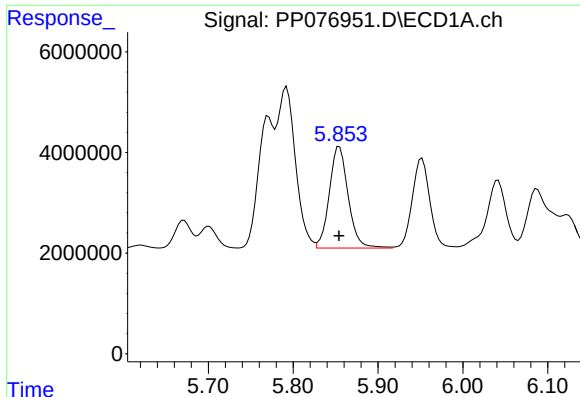
#4 AR-1016-2

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 48694035
Conc: 482.56 ng/ml



#4 AR-1016-2

R.T.: 4.867 min
Delta R.T.: -0.004 min
Response: 48713643
Conc: 438.10 ng/ml



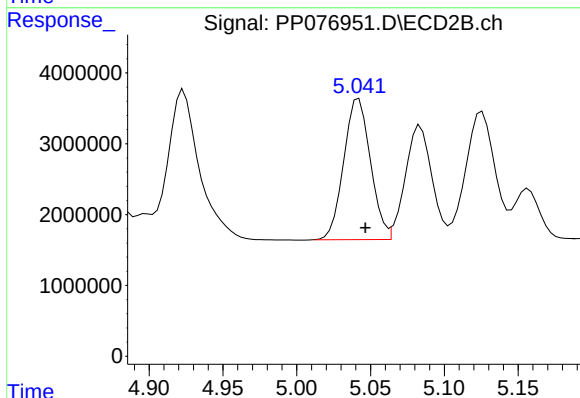
#5 AR-1016-3

R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 31150844
Conc: 479.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170898BS

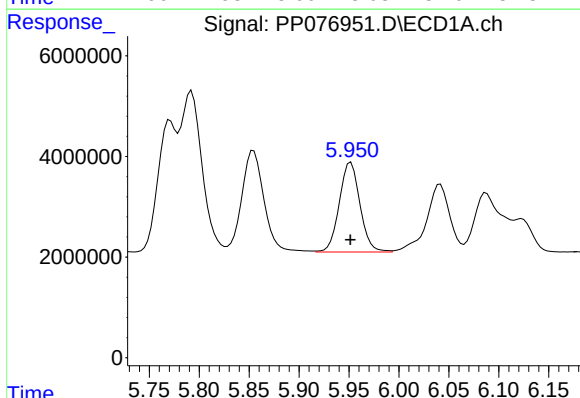
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



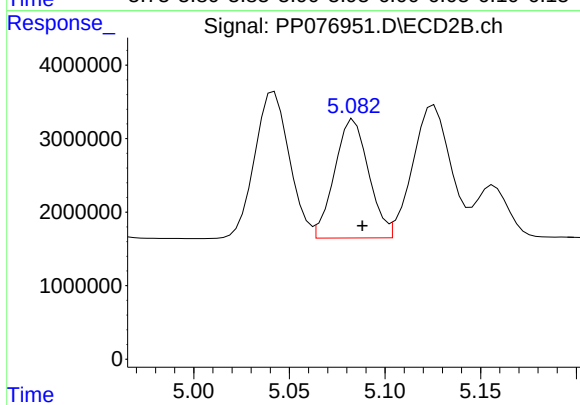
#5 AR-1016-3

R.T.: 5.042 min
Delta R.T.: -0.005 min
Response: 25134751
Conc: 433.63 ng/ml



#6 AR-1016-4

R.T.: 5.952 min
Delta R.T.: 0.000 min
Response: 25672121
Conc: 479.46 ng/ml

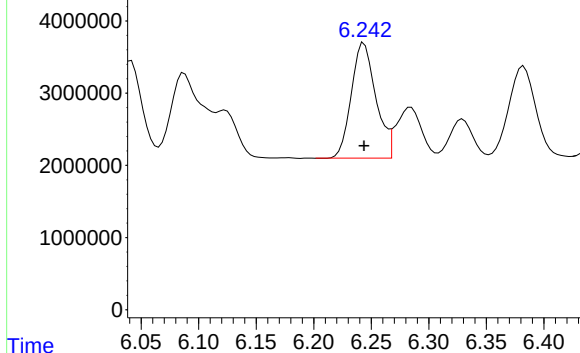


#6 AR-1016-4

R.T.: 5.084 min
Delta R.T.: -0.004 min
Response: 20055254
Conc: 428.98 ng/ml

Response_ Signal: PP076951.D\ECD1A.ch

#7 AR-1016-5



R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 23801235
Conc: 461.54 ng/ml

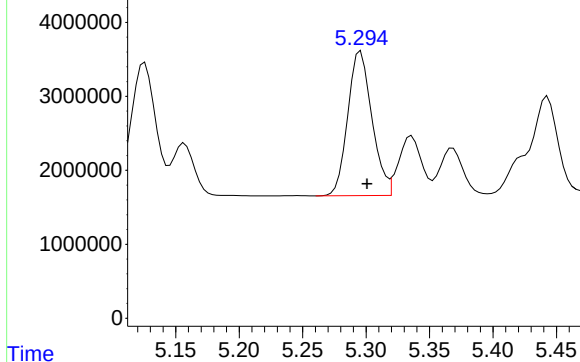
Instrument :
ECD_P
ClientSampleId :
PB170898BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

Response_ Signal: PP076951.D\ECD2B.ch

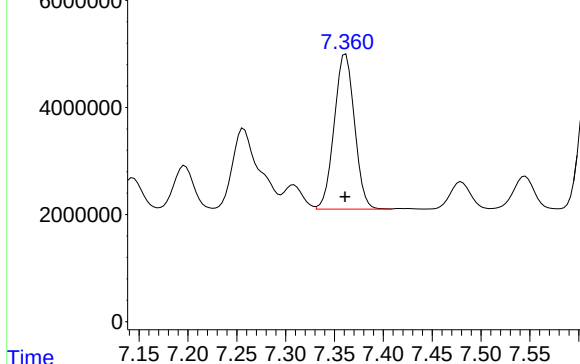
#7 AR-1016-5



R.T.: 5.296 min
Delta R.T.: -0.005 min
Response: 25894823
Conc: 418.06 ng/ml

Response_ Signal: PP076951.D\ECD1A.ch

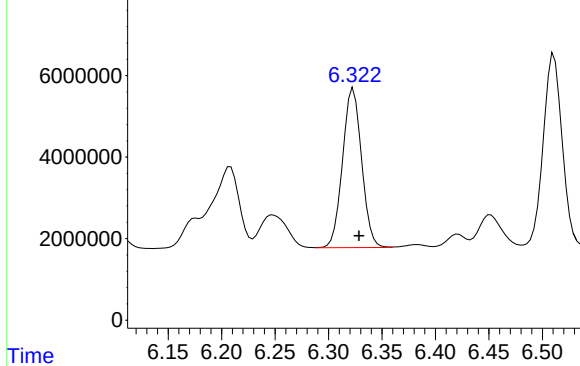
#31 AR-1260-1



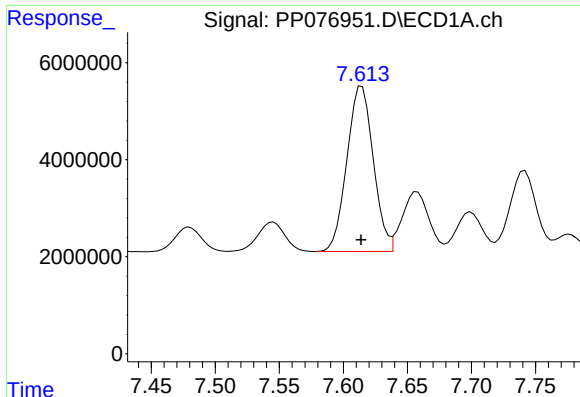
R.T.: 7.362 min
Delta R.T.: 0.000 min
Response: 41879416
Conc: 482.17 ng/ml

Response_ Signal: PP076951.D\ECD2B.ch

#31 AR-1260-1



R.T.: 6.323 min
Delta R.T.: -0.005 min
Response: 48452002
Conc: 444.10 ng/ml



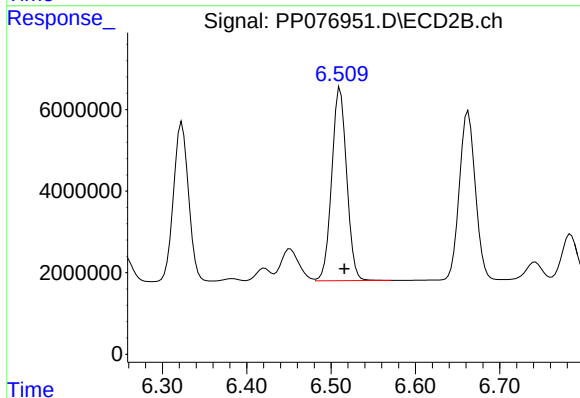
#32 AR-1260-2

R.T.: 7.614 min
Delta R.T.: 0.000 min
Response: 48795926
Conc: 472.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170898BS

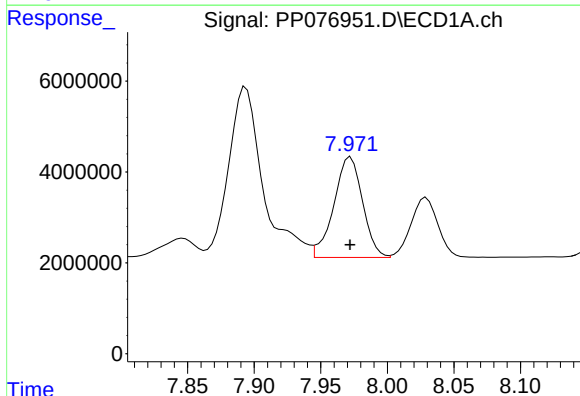
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



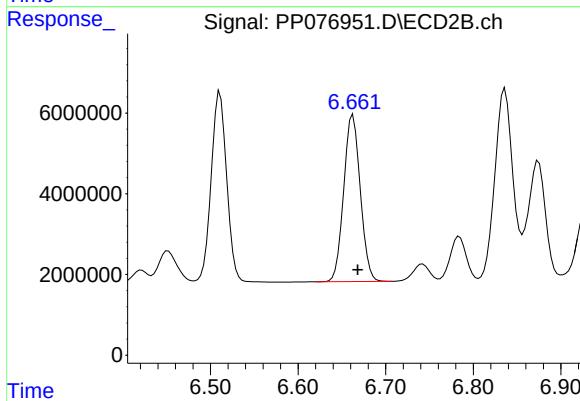
#32 AR-1260-2

R.T.: 6.511 min
Delta R.T.: -0.005 min
Response: 58313835
Conc: 438.51 ng/ml



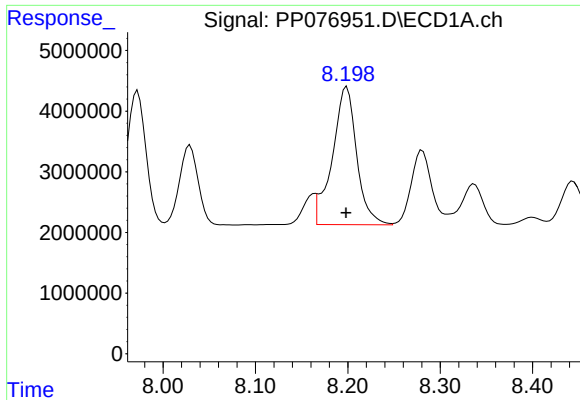
#33 AR-1260-3

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 33257522
Conc: 413.73 ng/ml



#33 AR-1260-3

R.T.: 6.663 min
Delta R.T.: -0.006 min
Response: 54370500
Conc: 438.85 ng/ml



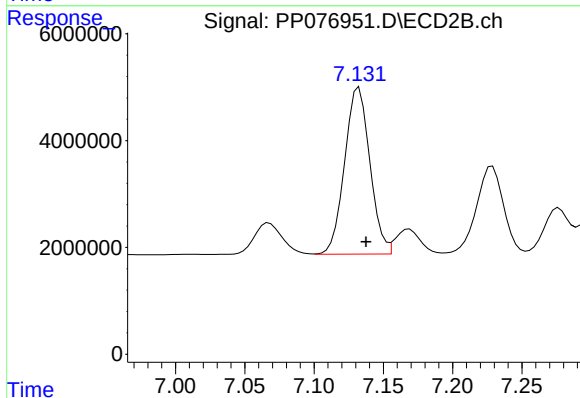
#34 AR-1260-4

R.T.: 8.198 min
Delta R.T.: 0.000 min
Response: 41383401
Conc: 441.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170898BS

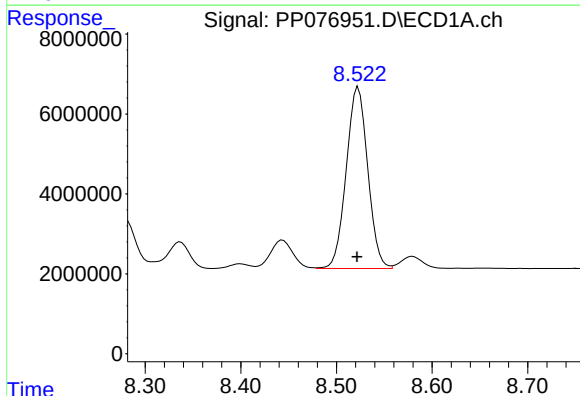
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



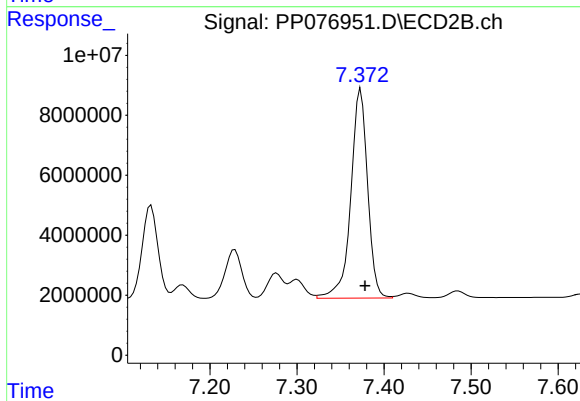
#34 AR-1260-4

R.T.: 7.132 min
Delta R.T.: -0.005 min
Response: 39592963
Conc: 381.15 ng/ml



#35 AR-1260-5

R.T.: 8.523 min
Delta R.T.: 0.001 min
Response: 71224174
Conc: 418.93 ng/ml



#35 AR-1260-5

R.T.: 7.373 min
Delta R.T.: -0.005 min
Response: 93878397
Conc: 379.89 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	12/10/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	12/10/25
Client Sample ID:	PL-01-12102025MS	SDG No.:	Q3834
Lab Sample ID:	Q3831-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.4
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Test:	PCB
	Prep Date:	12/11/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	188		1	4.30	18.6	ug/kg	12/11/25 13:12	PB170898
11104-28-2	Aroclor-1221	4.40	U	1	4.40	18.6	ug/kg	12/11/25 13:12	PB170898
11141-16-5	Aroclor-1232	4.10	U	1	4.10	18.6	ug/kg	12/11/25 13:12	PB170898
53469-21-9	Aroclor-1242	4.40	U	1	4.40	18.6	ug/kg	12/11/25 13:12	PB170898
12672-29-6	Aroclor-1248	6.50	U	1	6.50	18.6	ug/kg	12/11/25 13:12	PB170898
11097-69-1	Aroclor-1254	3.50	U	1	3.50	18.6	ug/kg	12/11/25 13:12	PB170898
37324-23-5	Aroclor-1262	5.50	U	1	5.50	18.6	ug/kg	12/11/25 13:12	PB170898
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.6	ug/kg	12/11/25 13:12	PB170898
11096-82-5	Aroclor-1260	165		1	3.50	18.6	ug/kg	12/11/25 13:12	PB170898
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.7			30 (21) - 150 (165)	128%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.1			30 (10) - 150 (170)	106%	SPK: 20		

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\PP121125\
 Data File : PP076954.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Dec 2025 13:12
 Operator : YP\AJ
 Sample : Q3831-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PL-01-12102025MS

Manual Integrations
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Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 11 14:51:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.615	3.771	47115577	45627805	25.669m	21.906
2) SA Decachlor...	10.371	8.764	31664056	31182969	21.128	17.672
Target Compounds						
3) L1 AR-1016-1	5.769	4.849	34315314	34316845	508.263	456.519
4) L1 AR-1016-2	5.790	4.866	51462113	50149050	509.991	451.011
5) L1 AR-1016-3	5.853	5.041	33330999	26598638	512.828	458.884
6) L1 AR-1016-4	5.950	5.083	29304578	21347333	547.305	456.621
7) L1 AR-1016-5	6.243	5.295	25675092	24265266	497.876	391.752
31) L7 AR-1260-1	7.359	6.323	43381583	53092439	499.462m	486.631
32) L7 AR-1260-2	7.611	6.511	46566191	63148273	450.542m	474.865
33) L7 AR-1260-3	7.971	6.662	32512514	53908056	404.461	435.115
34) L7 AR-1260-4	8.197	7.132	46313482	40345017	494.424	388.387
35) L7 AR-1260-5	8.521	7.372	71623795	95057855	421.276	384.658

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 13:12
Operator : YP\AJ
Sample : Q3831-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

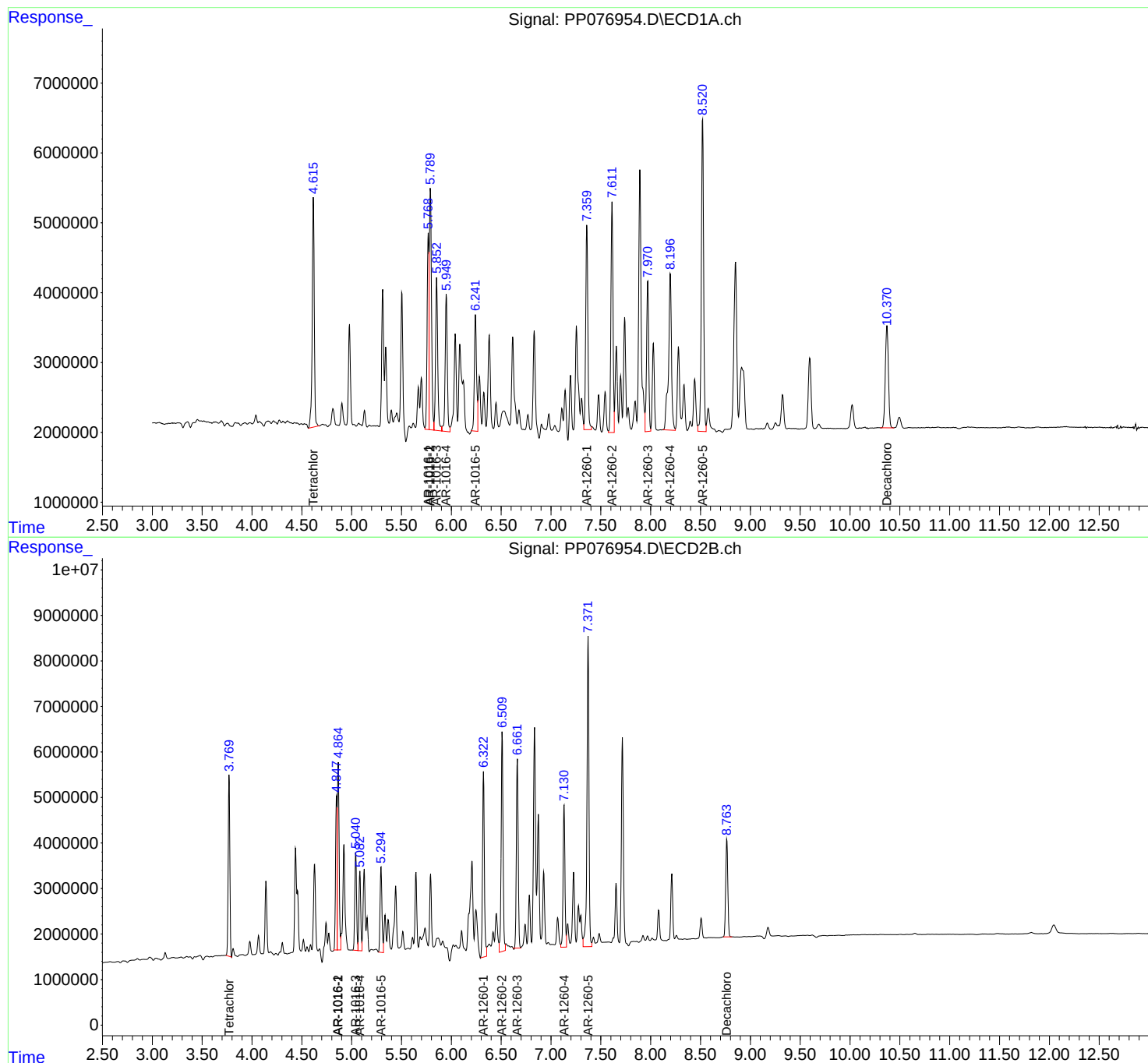
Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MS

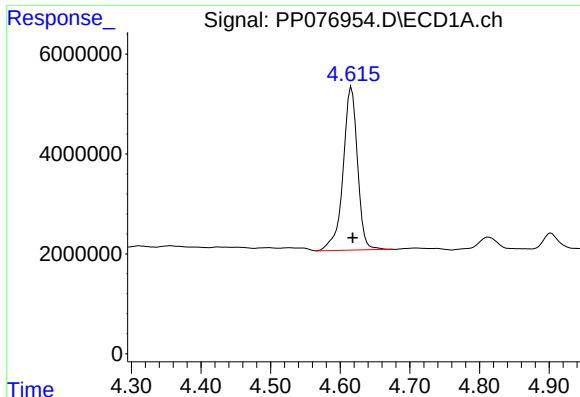
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:51:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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





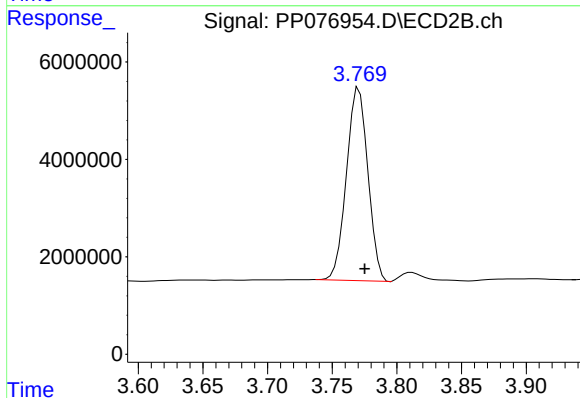
#1 Tetrachloro-m-xylene

R.T.: 4.615 min
Delta R.T.: -0.003 min
Response: 47115577
Conc: 25.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MS

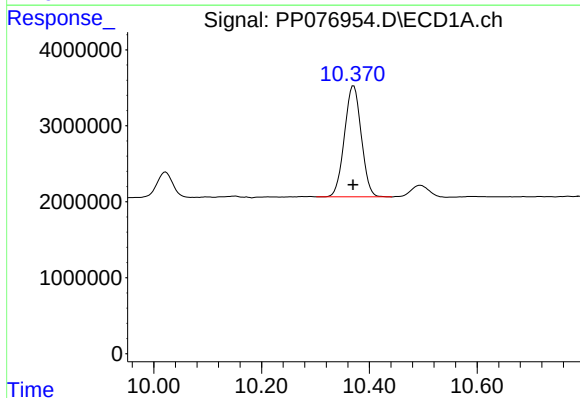
Manual Integrations
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Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



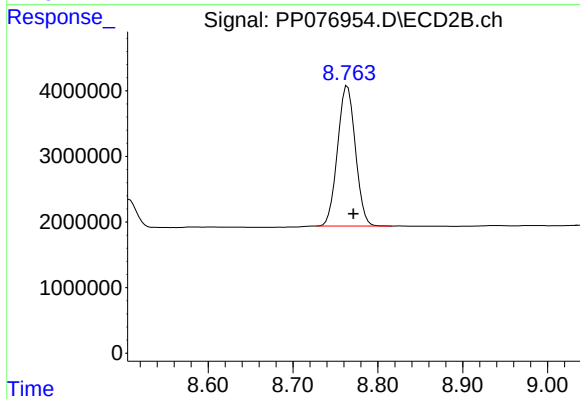
#1 Tetrachloro-m-xylene

R.T.: 3.771 min
Delta R.T.: -0.004 min
Response: 45627805
Conc: 21.91 ng/ml



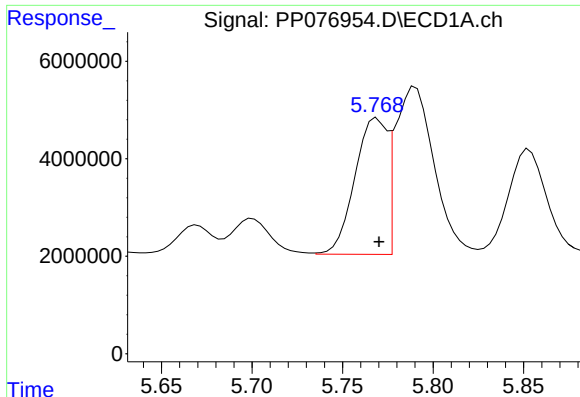
#2 Decachlorobiphenyl

R.T.: 10.371 min
Delta R.T.: 0.001 min
Response: 31664056
Conc: 21.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.764 min
Delta R.T.: -0.007 min
Response: 31182969
Conc: 17.67 ng/ml



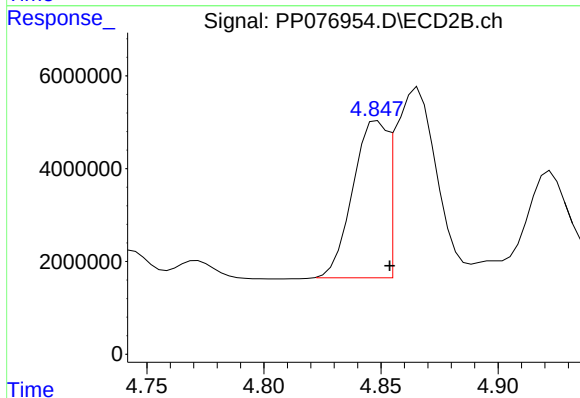
#3 AR-1016-1

R.T.: 5.769 min
Delta R.T.: -0.001 min
Response: 34315314
Conc: 508.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MS

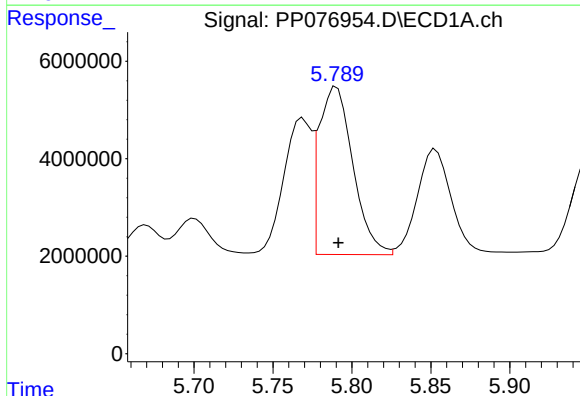
Manual Integrations
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Supervised By :Yogesh Patel 12/12/2025



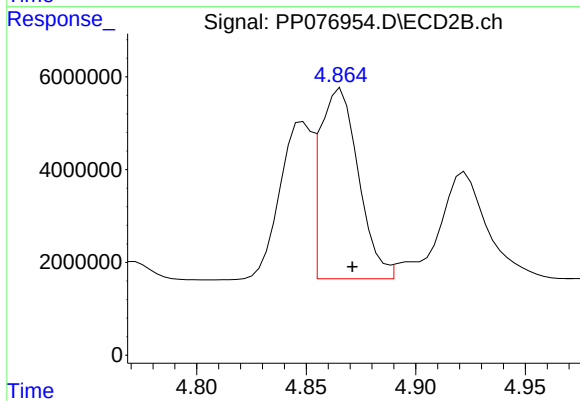
#3 AR-1016-1

R.T.: 4.849 min
Delta R.T.: -0.005 min
Response: 34316845
Conc: 456.52 ng/ml



#4 AR-1016-2

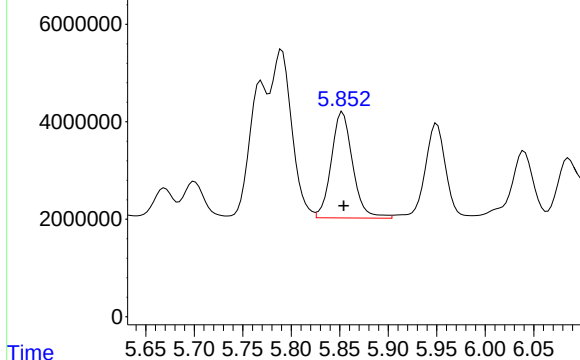
R.T.: 5.790 min
Delta R.T.: -0.001 min
Response: 51462113
Conc: 509.99 ng/ml



#4 AR-1016-2

R.T.: 4.866 min
Delta R.T.: -0.005 min
Response: 50149050
Conc: 451.01 ng/ml

Response_ Signal: PP076954.D\ECD1A.ch



#5 AR-1016-3

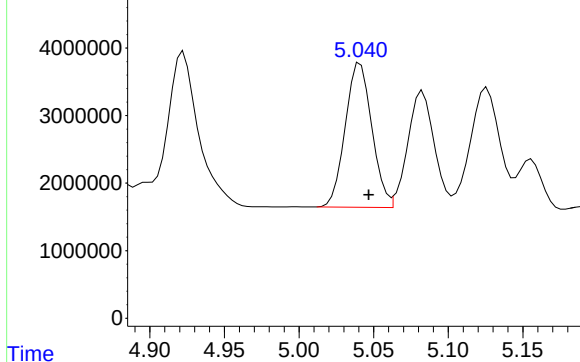
R.T.: 5.853 min
Delta R.T.: 0.000 min
Response: 33330999
Conc: 512.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MS

Manual Integrations
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Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

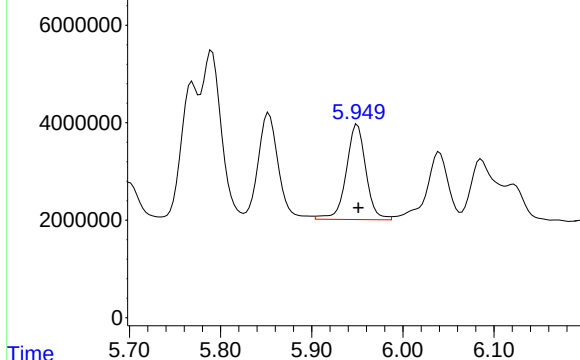
Response_ Signal: PP076954.D\ECD2B.ch



#5 AR-1016-3

R.T.: 5.041 min
Delta R.T.: -0.006 min
Response: 26598638
Conc: 458.88 ng/ml

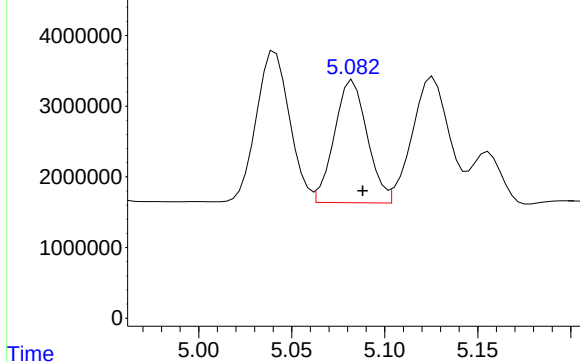
Response_ Signal: PP076954.D\ECD1A.ch



#6 AR-1016-4

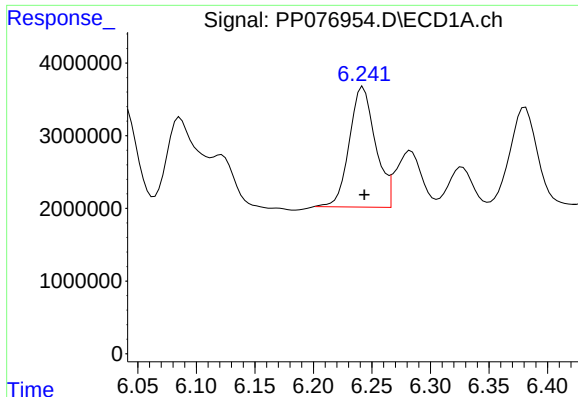
R.T.: 5.950 min
Delta R.T.: -0.001 min
Response: 29304578
Conc: 547.31 ng/ml

Response_ Signal: PP076954.D\ECD2B.ch



#6 AR-1016-4

R.T.: 5.083 min
Delta R.T.: -0.005 min
Response: 21347333
Conc: 456.62 ng/ml



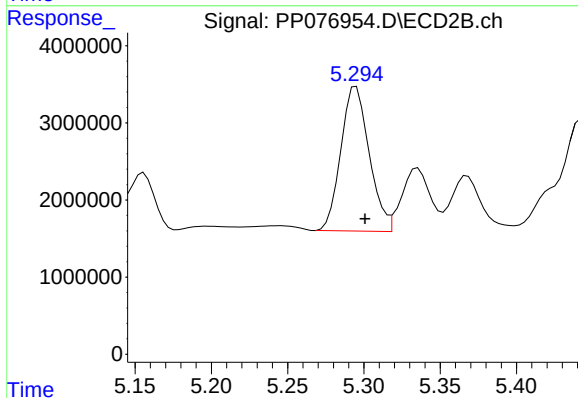
#7 AR-1016-5

R.T.: 6.243 min
Delta R.T.: -0.001 min
Response: 25675092
Conc: 497.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MS

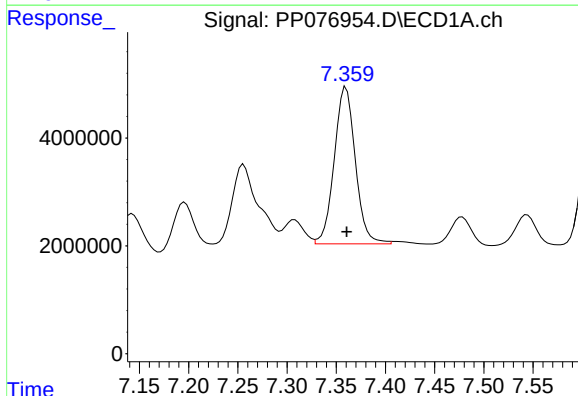
Manual Integrations
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Supervised By :Yogesh Patel 12/12/2025



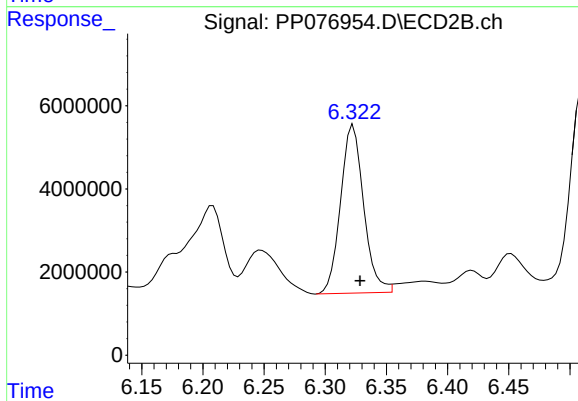
#7 AR-1016-5

R.T.: 5.295 min
Delta R.T.: -0.006 min
Response: 24265266
Conc: 391.75 ng/ml



#31 AR-1260-1

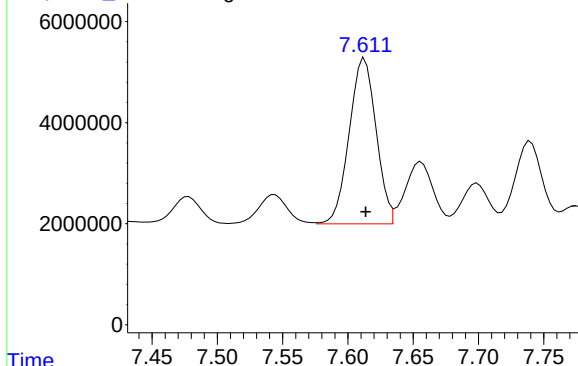
R.T.: 7.359 min
Delta R.T.: -0.002 min
Response: 43381583
Conc: 499.46 ng/ml m



#31 AR-1260-1

R.T.: 6.323 min
Delta R.T.: -0.006 min
Response: 53092439
Conc: 486.63 ng/ml

Response_ Signal: PP076954.D\ECD1A.ch



#32 AR-1260-2

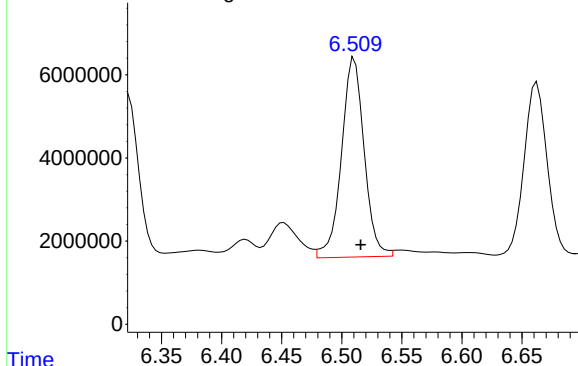
R.T.: 7.611 min
Delta R.T.: -0.002 min
Response: 46566191
Conc: 450.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MS

Manual Integrations
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Supervised By :Yogesh Patel 12/12/2025

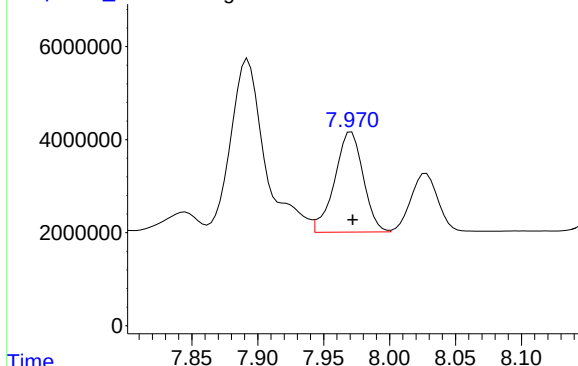
Time Response_ Signal: PP076954.D\ECD2B.ch



#32 AR-1260-2

R.T.: 6.511 min
Delta R.T.: -0.005 min
Response: 63148273
Conc: 474.87 ng/ml

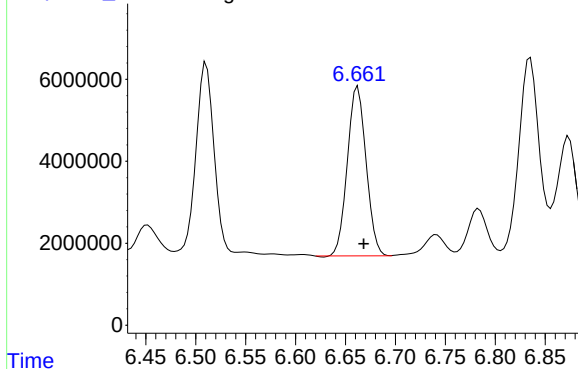
Time Response_ Signal: PP076954.D\ECD1A.ch



#33 AR-1260-3

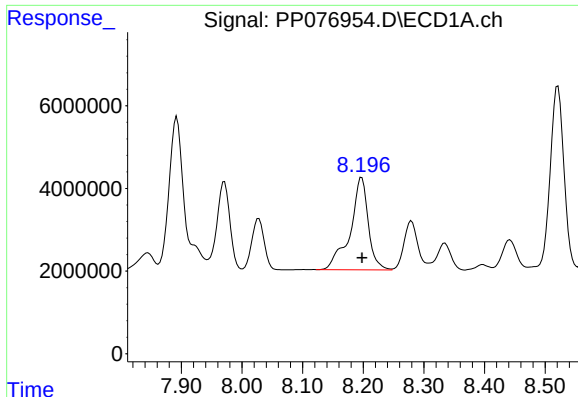
R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 32512514
Conc: 404.46 ng/ml

Time Response_ Signal: PP076954.D\ECD2B.ch



#33 AR-1260-3

R.T.: 6.662 min
Delta R.T.: -0.006 min
Response: 53908056
Conc: 435.11 ng/ml



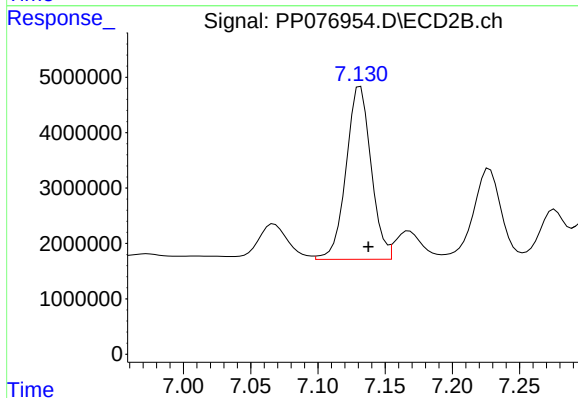
#34 AR-1260-4

R.T.: 8.197 min
Delta R.T.: 0.000 min
Response: 46313482
Conc: 494.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MS

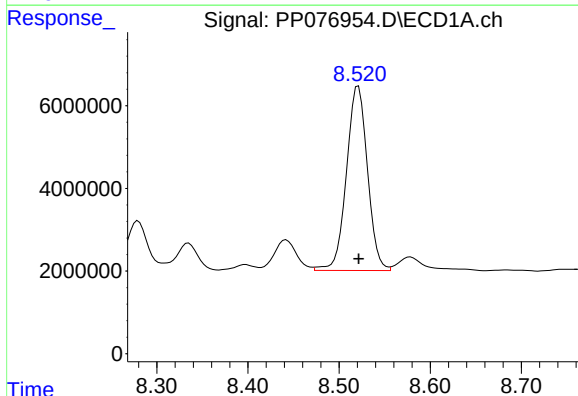
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



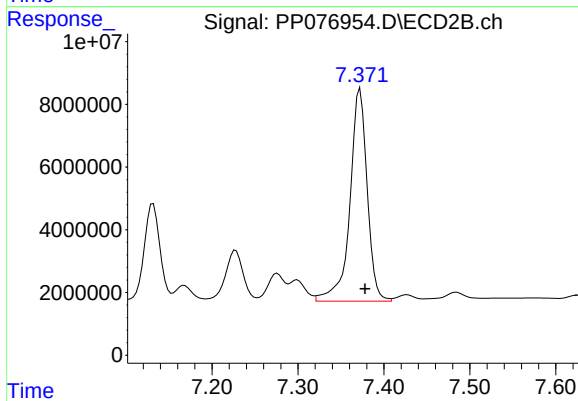
#34 AR-1260-4

R.T.: 7.132 min
Delta R.T.: -0.006 min
Response: 40345017
Conc: 388.39 ng/ml



#35 AR-1260-5

R.T.: 8.521 min
Delta R.T.: 0.000 min
Response: 71623795
Conc: 421.28 ng/ml



#35 AR-1260-5

R.T.: 7.372 min
Delta R.T.: -0.006 min
Response: 95057855
Conc: 384.66 ng/ml



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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	12/10/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	12/10/25
Client Sample ID:	PL-01-12102025MSD	SDG No.:	Q3834
Lab Sample ID:	Q3831-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.4
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Test:	PCB
	Prep Date:	12/11/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	155		1	4.30	18.6	ug/kg	12/11/25 13:28	PB170898
11104-28-2	Aroclor-1221	4.40	U	1	4.40	18.6	ug/kg	12/11/25 13:28	PB170898
11141-16-5	Aroclor-1232	4.10	U	1	4.10	18.6	ug/kg	12/11/25 13:28	PB170898
53469-21-9	Aroclor-1242	4.40	U	1	4.40	18.6	ug/kg	12/11/25 13:28	PB170898
12672-29-6	Aroclor-1248	6.50	U	1	6.50	18.6	ug/kg	12/11/25 13:28	PB170898
11097-69-1	Aroclor-1254	3.50	U	1	3.50	18.6	ug/kg	12/11/25 13:28	PB170898
37324-23-5	Aroclor-1262	5.50	U	1	5.50	18.6	ug/kg	12/11/25 13:28	PB170898
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.6	ug/kg	12/11/25 13:28	PB170898
11096-82-5	Aroclor-1260	136		1	3.50	18.6	ug/kg	12/11/25 13:28	PB170898
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.1			30 (21) - 150 (165)	105%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.3			30 (10) - 150 (170)	87%	SPK: 20		

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\PP121125\
 Data File : PP076955.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Dec 2025 13:28
 Operator : YP\AJ
 Sample : Q3831-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PL-01-12102025MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 11 14:51:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP121125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 21 22:52:01 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...	4.618	3.774	38663567	37019504	21.064m	17.773
2) SA Decachlor...	10.374	8.767	25941600	25184136	17.310	14.273
Target Compounds						
3) L1 AR-1016-1	5.772	4.852	28178405	28271595	417.366	376.098
4) L1 AR-1016-2	5.794	4.870	42535887	40599852	421.532	365.131
5) L1 AR-1016-3	5.857	5.045	27401576	21529966	421.598	371.438
6) L1 AR-1016-4	5.953	5.087	23969829	17310811	447.671	370.279
7) L1 AR-1016-5	6.246	5.298	21450615	19942927	415.958	321.970
31) L7 AR-1260-1	7.362	6.326	35947631	43238787	413.873m	396.315
32) L7 AR-1260-2	7.615	6.514	38569099	50715758	373.168m	381.375
33) L7 AR-1260-3	7.974	6.666	26574105	42783093	330.586	345.320
34) L7 AR-1260-4	8.201	7.135	37884803	32173344	404.443	309.721
35) L7 AR-1260-5	8.524	7.376	59205094	75049939	348.232	303.695

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP121125\
Data File : PP076955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 13:28
Operator : YP\AJ
Sample : Q3831-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

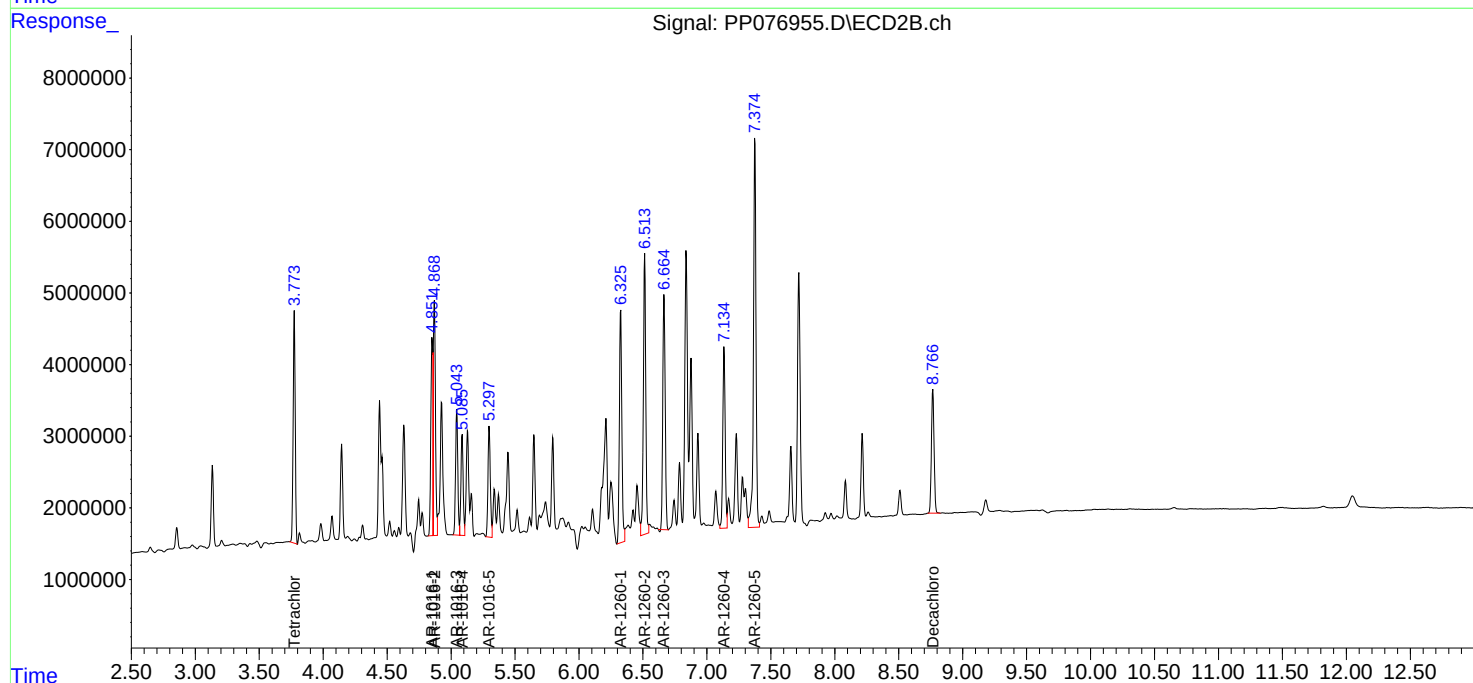
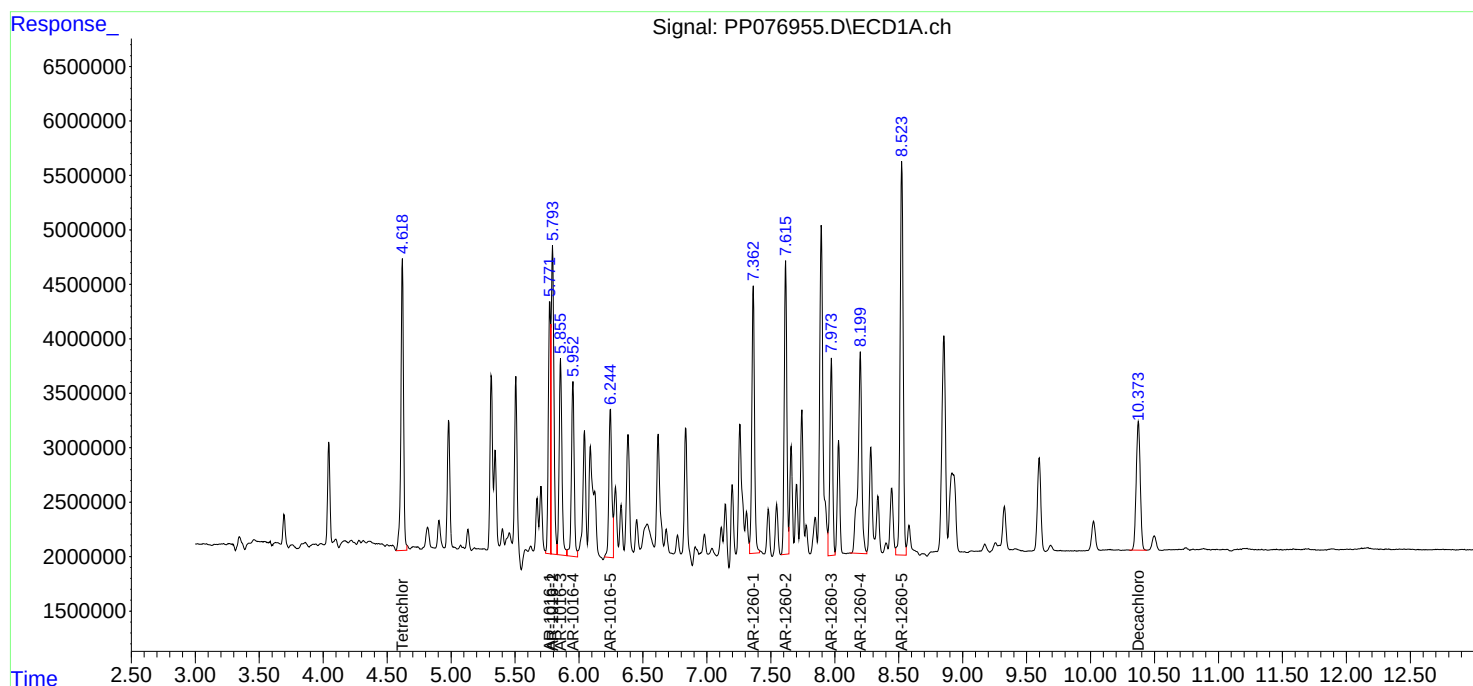
Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MSD

Manual Integrations
APPROVED

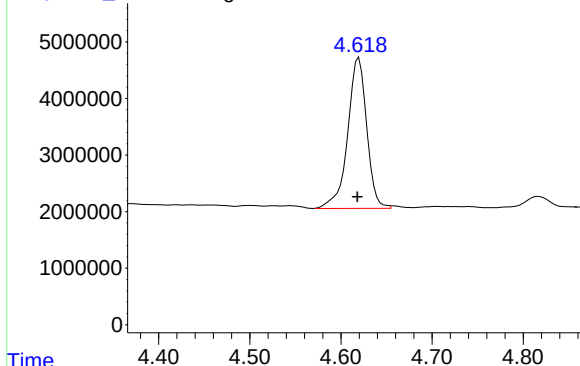
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:51:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 21 22:52:01 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



Response_ Signal: PP076955.D\ECD1A.ch



#1 Tetrachloro-m-xylene

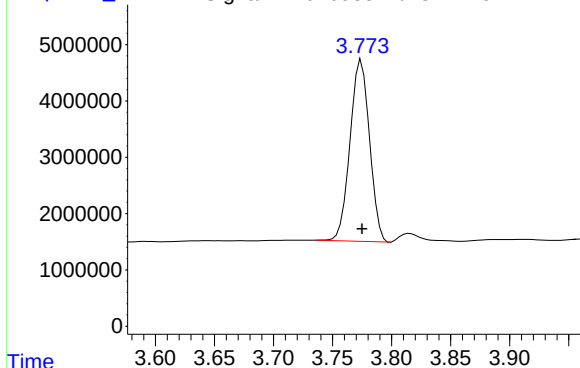
R.T.: 4.618 min
Delta R.T.: 0.000 min
Response: 38663567
Conc: 21.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

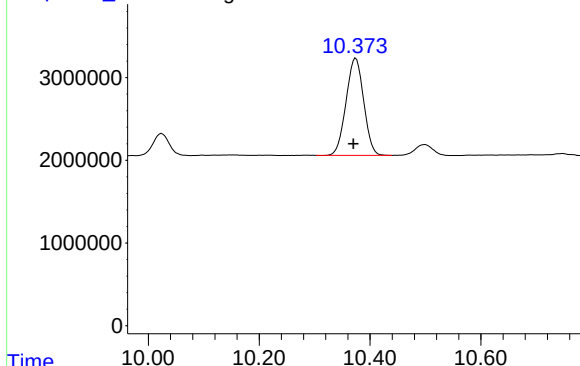
Time Response_ Signal: PP076955.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: 0.000 min
Response: 37019504
Conc: 17.77 ng/ml

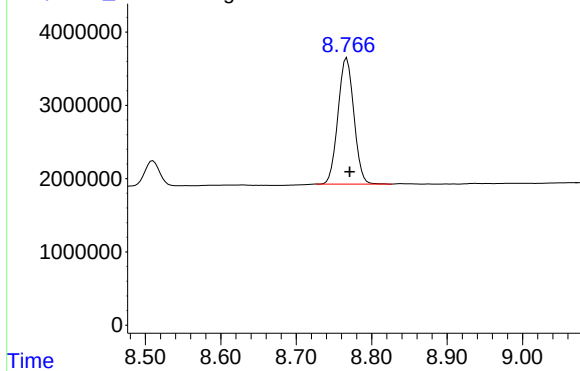
Time Response_ Signal: PP076955.D\ECD1A.ch



#2 Decachlorobiphenyl

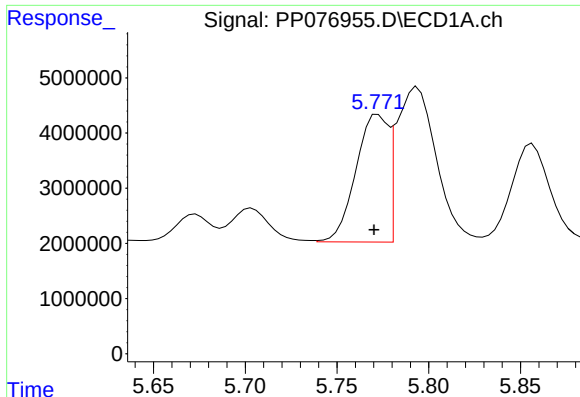
R.T.: 10.374 min
Delta R.T.: 0.005 min
Response: 25941600
Conc: 17.31 ng/ml

Time Response_ Signal: PP076955.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: -0.004 min
Response: 25184136
Conc: 14.27 ng/ml



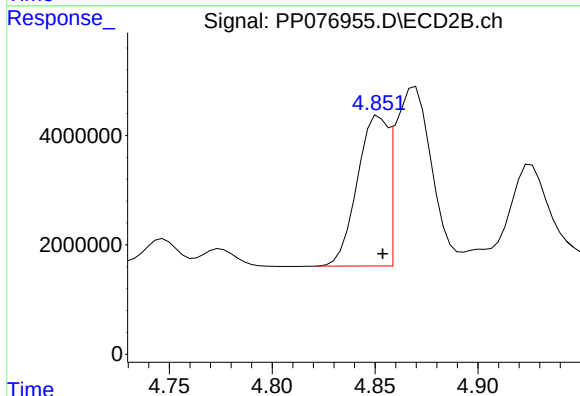
#3 AR-1016-1

R.T.: 5.772 min
Delta R.T.: 0.002 min
Response: 28178405
Conc: 417.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MSD

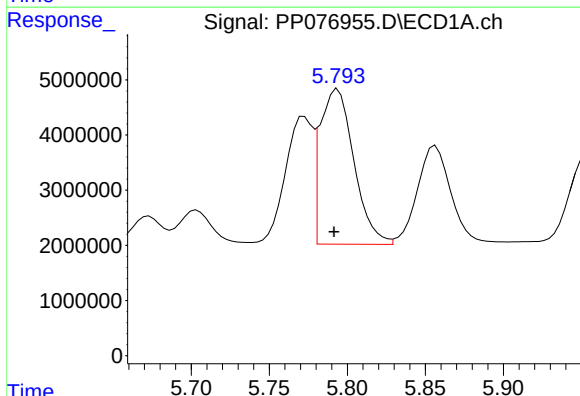
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



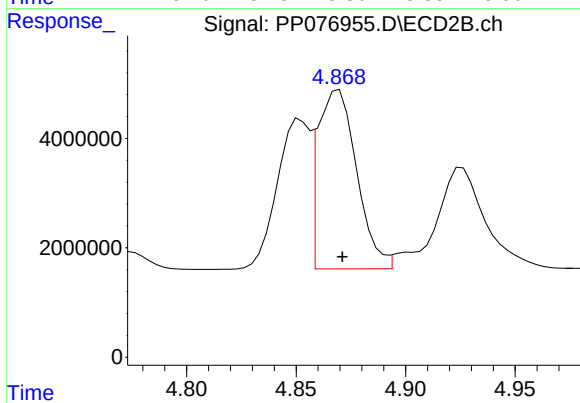
#3 AR-1016-1

R.T.: 4.852 min
Delta R.T.: -0.002 min
Response: 28271595
Conc: 376.10 ng/ml



#4 AR-1016-2

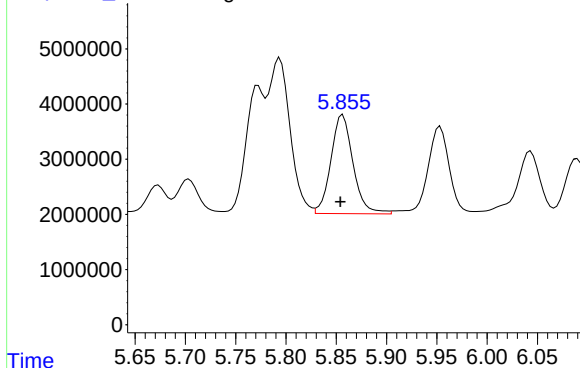
R.T.: 5.794 min
Delta R.T.: 0.002 min
Response: 42535887
Conc: 421.53 ng/ml



#4 AR-1016-2

R.T.: 4.870 min
Delta R.T.: -0.001 min
Response: 40599852
Conc: 365.13 ng/ml

Response_ Signal: PP076955.D\ECD1A.ch



#5 AR-1016-3

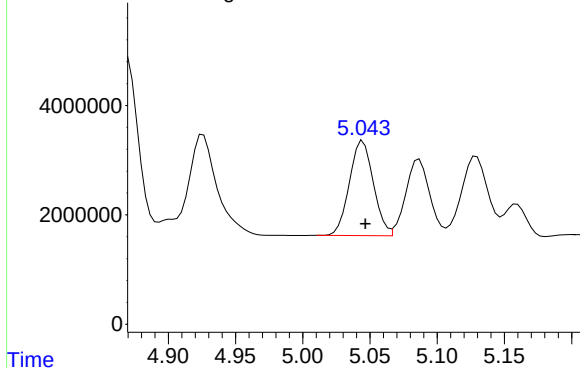
R.T.: 5.857 min
Delta R.T.: 0.003 min
Response: 27401576
Conc: 421.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

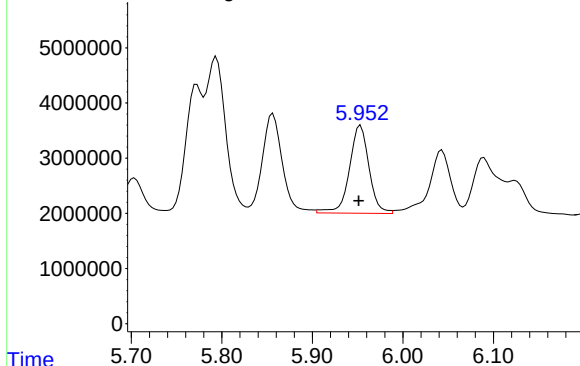
Response_ Signal: PP076955.D\ECD2B.ch



#5 AR-1016-3

R.T.: 5.045 min
Delta R.T.: -0.002 min
Response: 21529966
Conc: 371.44 ng/ml

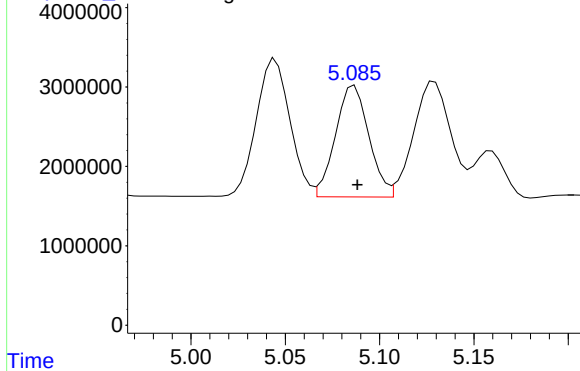
Response_ Signal: PP076955.D\ECD1A.ch



#6 AR-1016-4

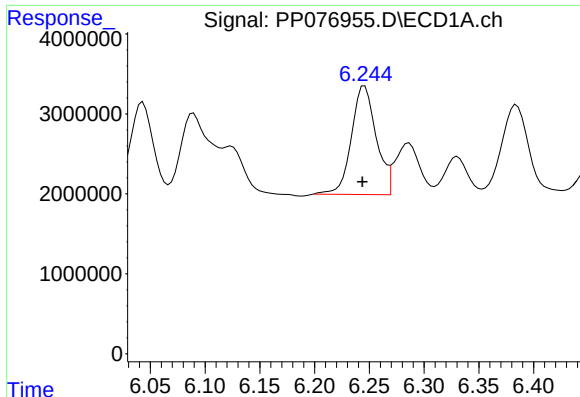
R.T.: 5.953 min
Delta R.T.: 0.002 min
Response: 23969829
Conc: 447.67 ng/ml

Response_ Signal: PP076955.D\ECD2B.ch



#6 AR-1016-4

R.T.: 5.087 min
Delta R.T.: -0.002 min
Response: 17310811
Conc: 370.28 ng/ml



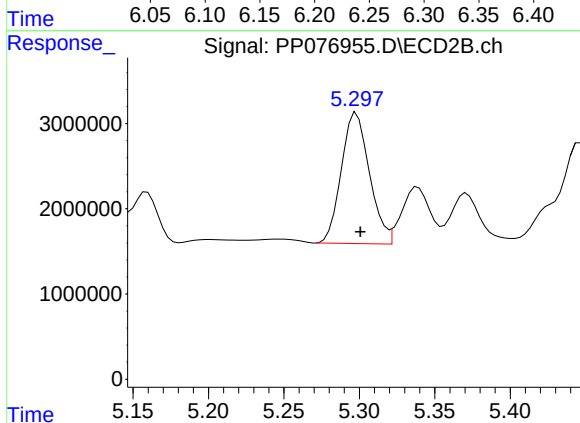
#7 AR-1016-5

R.T.: 6.246 min
Delta R.T.: 0.002 min
Response: 21450615
Conc: 415.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MSD

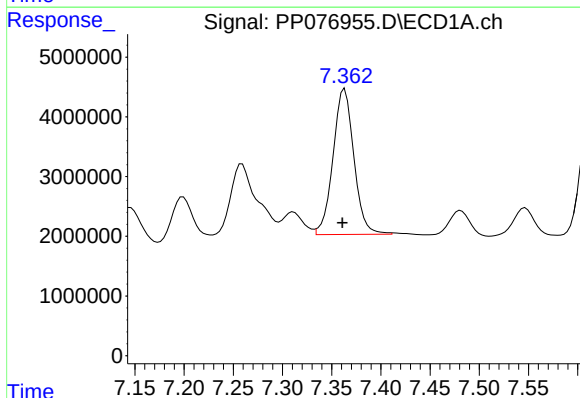
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



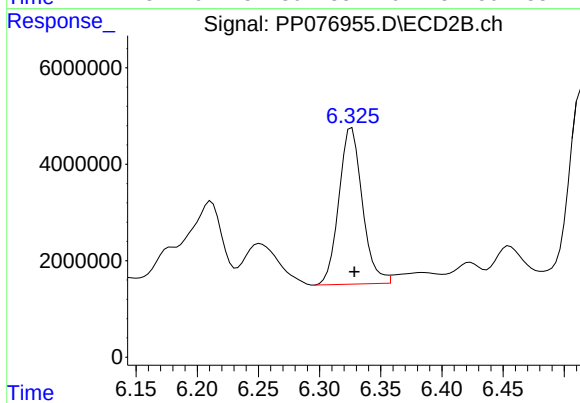
#7 AR-1016-5

R.T.: 5.298 min
Delta R.T.: -0.003 min
Response: 19942927
Conc: 321.97 ng/ml



#31 AR-1260-1

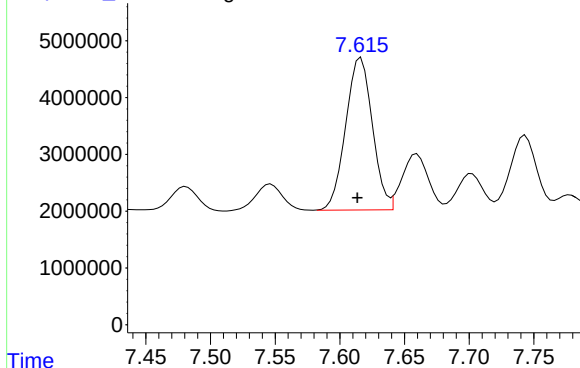
R.T.: 7.362 min
Delta R.T.: 0.000 min
Response: 35947631
Conc: 413.87 ng/ml m



#31 AR-1260-1

R.T.: 6.326 min
Delta R.T.: -0.002 min
Response: 43238787
Conc: 396.32 ng/ml

Response_ Signal: PP076955.D\ECD1A.ch



#32 AR-1260-2

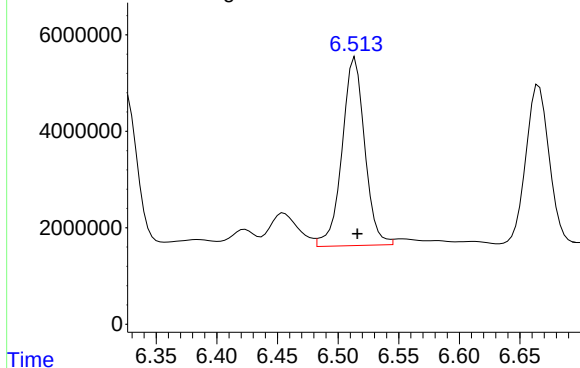
R.T.: 7.615 min
Delta R.T.: 0.001 min
Response: 38569099
Conc: 373.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025

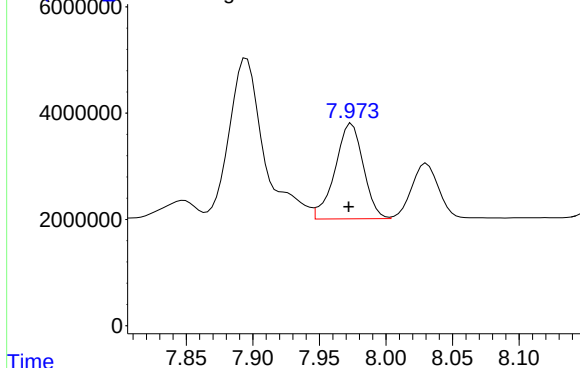
Response_ Signal: PP076955.D\ECD2B.ch



#32 AR-1260-2

R.T.: 6.514 min
Delta R.T.: -0.002 min
Response: 50715758
Conc: 381.37 ng/ml

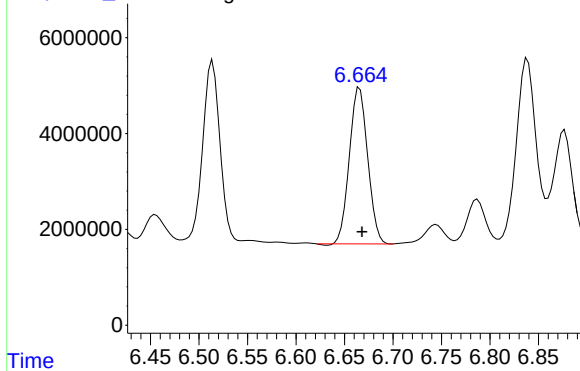
Response_ Signal: PP076955.D\ECD1A.ch



#33 AR-1260-3

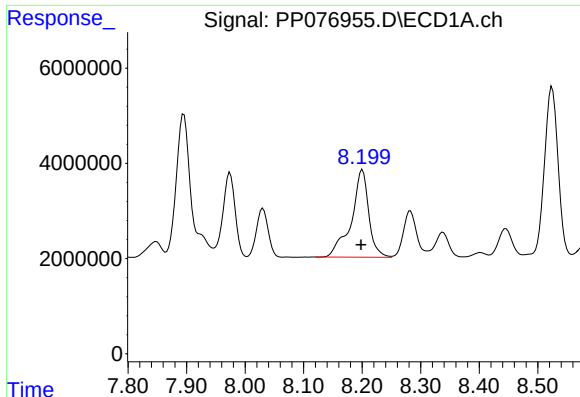
R.T.: 7.974 min
Delta R.T.: 0.002 min
Response: 26574105
Conc: 330.59 ng/ml

Response_ Signal: PP076955.D\ECD2B.ch



#33 AR-1260-3

R.T.: 6.666 min
Delta R.T.: -0.003 min
Response: 42783093
Conc: 345.32 ng/ml



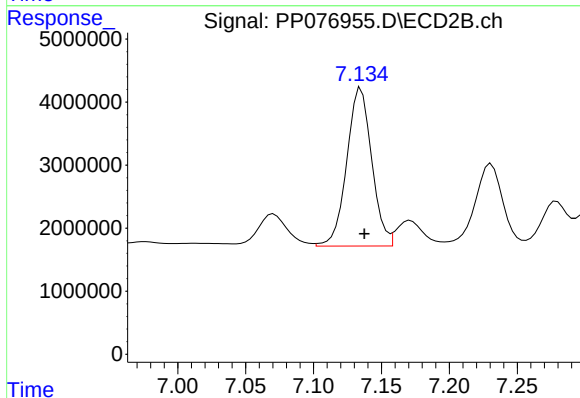
#34 AR-1260-4

R.T.: 8.201 min
Delta R.T.: 0.002 min
Response: 37884803
Conc: 404.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
PL-01-12102025MSD

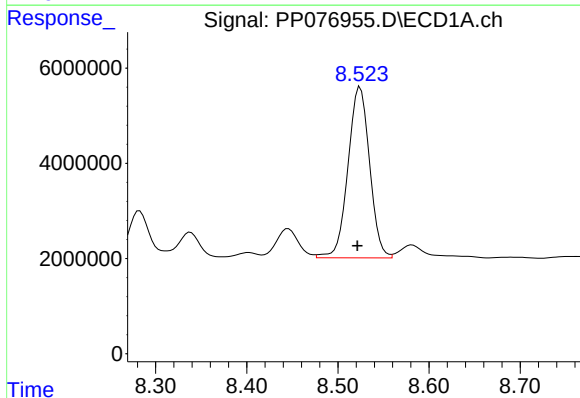
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



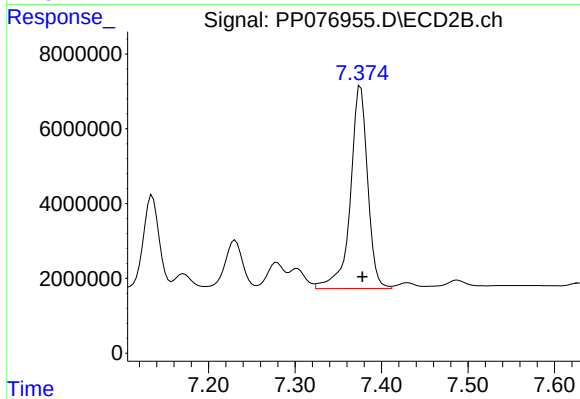
#34 AR-1260-4

R.T.: 7.135 min
Delta R.T.: -0.003 min
Response: 32173344
Conc: 309.72 ng/ml



#35 AR-1260-5

R.T.: 8.524 min
Delta R.T.: 0.003 min
Response: 59205094
Conc: 348.23 ng/ml



#35 AR-1260-5

R.T.: 7.376 min
Delta R.T.: -0.002 min
Response: 75049939
Conc: 303.69 ng/ml

Manual Integration Report

Sequence:	PP112125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP076603.D	AR-1016-3	Abdul	11/24/2025 11:06:05 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1660ICC050	PP076603.D	AR-1260-1	Abdul	11/24/2025 11:06:05 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1660ICC050	PP076603.D	AR-1260-2	Abdul	11/24/2025 11:06:05 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1660ICC050	PP076603.D	AR-1260-4	Abdul	11/24/2025 11:06:05 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1660ICC050	PP076603.D	Decachlorobiphenyl	Abdul	11/24/2025 11:06:05 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1242ICC050	PP076610.D	AR-1242-5	Abdul	11/24/2025 11:06:00 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1248ICC050	PP076615.D	AR-1248-4	Abdul	11/24/2025 11:05:57 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1248ICC050	PP076615.D	AR-1248-5	Abdul	11/24/2025 11:05:57 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1248ICC050	PP076615.D	AR-1248-5 #2	Abdul	11/24/2025 11:05:57 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1248ICC050	PP076615.D	Decachlorobiphenyl	Abdul	11/24/2025 11:05:57 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC100 0	PP076616.D	AR-1254-1	Abdul	11/24/2025 11:05:54 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC100 0	PP076616.D	AR-1254-5	Abdul	11/24/2025 11:05:54 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC750	PP076617.D	AR-1254-1	Abdul	11/24/2025 11:05:51 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software

Manual Integration Report

Sequence:	PP112125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC750	PP076617.D	AR-1254-5	Abdul	11/24/2025 11:05:51 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC500	PP076618.D	AR-1254-1	Abdul	11/24/2025 11:05:46 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC500	PP076618.D	AR-1254-5	Abdul	11/24/2025 11:05:46 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC250	PP076619.D	AR-1254-1	Abdul	11/24/2025 11:05:43 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC250	PP076619.D	AR-1254-5	Abdul	11/24/2025 11:05:43 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC050	PP076620.D	AR-1254-1	Abdul	11/24/2025 11:05:40 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC050	PP076620.D	AR-1254-1 #2	Abdul	11/24/2025 11:05:40 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC050	PP076620.D	AR-1254-2 #2	Abdul	11/24/2025 11:05:40 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICC050	PP076620.D	AR-1254-5	Abdul	11/24/2025 11:05:40 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software
AR1254ICV500	PP076630.D	AR-1254-1	Abdul	11/24/2025 11:05:37 AM	mohammad	11/26/2025 4:59:53	Peak Integrated by Software

Manual Integration Report

Sequence:	PP121125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP076945.D	AR-1248-4	rahul	12/12/2025 10:04:15 AM	yogesh	12/12/2025 10:06:50	Peak Integrated by Software
AR1248CCC500	PP076945.D	AR-1248-5	rahul	12/12/2025 10:04:15 AM	yogesh	12/12/2025 10:06:50	Peak Integrated by Software
PB170898BS	PP076951.D	AR-1260-4	rahul	12/12/2025 10:04:17 AM	yogesh	12/12/2025 10:06:52	Peak Integrated by Software
Q3831-01MS	PP076954.D	AR-1260-1	rahul	12/12/2025 10:04:22 AM	yogesh	12/12/2025 10:06:56	Peak Integrated by Software
Q3831-01MS	PP076954.D	AR-1260-2	rahul	12/12/2025 10:04:22 AM	yogesh	12/12/2025 10:06:56	Peak Integrated by Software
Q3831-01MS	PP076954.D	Tetrachloro-m-xylene	rahul	12/12/2025 10:04:22 AM	yogesh	12/12/2025 10:06:56	Peak Integrated by Software
Q3831-01MSD	PP076955.D	AR-1260-1	rahul	12/12/2025 10:04:25 AM	yogesh	12/12/2025 10:06:59	Peak Integrated by Software
Q3831-01MSD	PP076955.D	AR-1260-2	rahul	12/12/2025 10:04:25 AM	yogesh	12/12/2025 10:06:59	Peak Integrated by Software
Q3831-01MSD	PP076955.D	Tetrachloro-m-xylene	rahul	12/12/2025 10:04:25 AM	yogesh	12/12/2025 10:06:59	Peak Integrated by Software
Q3834-29	PP076956.D	Tetrachloro-m-xylene	rahul	12/12/2025 10:04:27 AM	yogesh	12/12/2025 10:07:00	Peak Integrated by Software
AR1254CCC500	PP076961.D	AR-1254-1	rahul	12/12/2025 10:04:29 AM	yogesh	12/12/2025 10:07:02	Peak Integrated by Software
AR1254CCC500	PP076961.D	AR-1254-5	rahul	12/12/2025 10:04:29 AM	yogesh	12/12/2025 10:07:02	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PP121125

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP112125

Review By	rahul	Review On	11/21/2025 11:49:27 AM
Supervise By	mohammad	Supervise On	11/26/2025 4:59:53 AM
SubDirectory	PP112125	HP Acquire Method	HP Processing Method PP112125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP076597.D	21 Nov 2025 08:48	YP\AJ	Ok
2	I.BLK	PP076598.D	21 Nov 2025 10:27	YP\AJ	Ok
3	AR1660ICC1000	PP076599.D	21 Nov 2025 10:44	YP\AJ	Ok
4	AR1660ICC750	PP076600.D	21 Nov 2025 11:00	YP\AJ	Ok
5	AR1660ICC500	PP076601.D	21 Nov 2025 11:17	YP\AJ	Ok
6	AR1660ICC250	PP076602.D	21 Nov 2025 11:33	YP\AJ	Ok
7	AR1660ICC050	PP076603.D	21 Nov 2025 11:49	YP\AJ	Ok,M
8	AR1221ICC500	PP076604.D	21 Nov 2025 12:38	YP\AJ	Ok
9	AR1232ICC500	PP076605.D	21 Nov 2025 12:56	YP\AJ	Ok
10	AR1242ICC1000	PP076606.D	21 Nov 2025 13:15	YP\AJ	Ok
11	AR1242ICC750	PP076607.D	21 Nov 2025 13:32	YP\AJ	Ok
12	AR1242ICC500	PP076608.D	21 Nov 2025 13:48	YP\AJ	Ok
13	AR1242ICC250	PP076609.D	21 Nov 2025 14:05	YP\AJ	Ok
14	AR1242ICC050	PP076610.D	21 Nov 2025 14:21	YP\AJ	Ok,M
15	AR1248ICC1000	PP076611.D	21 Nov 2025 14:54	YP\AJ	Ok
16	AR1248ICC750	PP076612.D	21 Nov 2025 15:10	YP\AJ	Ok
17	AR1248ICC500	PP076613.D	21 Nov 2025 15:32	YP\AJ	Ok
18	AR1248ICC250	PP076614.D	21 Nov 2025 15:49	YP\AJ	Ok
19	AR1248ICC050	PP076615.D	21 Nov 2025 16:05	YP\AJ	Ok,M
20	AR1254ICC1000	PP076616.D	21 Nov 2025 16:38	YP\AJ	Ok,M
21	AR1254ICC750	PP076617.D	21 Nov 2025 16:55	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP112125

Review By	rahul	Review On	11/21/2025 11:49:27 AM
Supervise By	mohammad	Supervise On	11/26/2025 4:59:53 AM
SubDirectory	PP112125	HP Acquire Method	HP Processing Method PP112125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PP076618.D	21 Nov 2025 17:11	YP\AJ	Ok,M
23	AR1254ICC250	PP076619.D	21 Nov 2025 17:28	YP\AJ	Ok,M
24	AR1254ICC050	PP076620.D	21 Nov 2025 17:44	YP\AJ	Ok,M
25	AR1262ICC500	PP076621.D	21 Nov 2025 18:17	YP\AJ	Ok
26	AR1268ICC1000	PP076622.D	21 Nov 2025 18:33	YP\AJ	Ok
27	AR1268ICC750	PP076623.D	21 Nov 2025 18:50	YP\AJ	Ok
28	AR1268ICC500	PP076624.D	21 Nov 2025 19:06	YP\AJ	Ok
29	AR1268ICC250	PP076625.D	21 Nov 2025 19:23	YP\AJ	Ok
30	AR1268ICC050	PP076626.D	21 Nov 2025 19:39	YP\AJ	Ok
31	PP112125ICV500	PP076627.D	21 Nov 2025 20:12	YP\AJ	Ok
32	AR1242ICV500	PP076628.D	21 Nov 2025 20:45	YP\AJ	Ok
33	AR1248ICV500	PP076629.D	21 Nov 2025 21:18	YP\AJ	Ok
34	AR1254ICV500	PP076630.D	21 Nov 2025 21:51	YP\AJ	Ok,M
35	AR1268ICV500	PP076631.D	21 Nov 2025 22:24	YP\AJ	Ok
36	DDT ANALOG	PP076632.D	21 Nov 2025 22:57	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP121125

Review By	rahul	Review On	12/12/2025 10:04:40 AM
Supervise By	yogesh	Supervise On	12/12/2025 10:07:13 AM
SubDirectory	PP121125	HP Acquire Method	HP Processing Method PP121125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP076942.D	11 Dec 2025 08:12	YP\AJ	Ok
2	AR1660CCC500	PP076943.D	11 Dec 2025 08:28	YP\AJ	Ok
3	AR1242CCC500	PP076944.D	11 Dec 2025 08:45	YP\AJ	Ok
4	AR1248CCC500	PP076945.D	11 Dec 2025 09:02	YP\AJ	Ok,M
5	AR1254CCC500	PP076946.D	11 Dec 2025 09:18	YP\AJ	Ok
6	I.BLK	PP076947.D	11 Dec 2025 09:34	YP\AJ	Ok
7	Q3814-15	PP076948.D	11 Dec 2025 09:51	YP\AJ	Ok
8	Q3815-01	PP076949.D	11 Dec 2025 10:07	YP\AJ	Ok
9	PB170898BL	PP076950.D	11 Dec 2025 12:06	YP\AJ	Ok
10	PB170898BS	PP076951.D	11 Dec 2025 12:22	YP\AJ	Ok,M
11	Q3829-01	PP076952.D	11 Dec 2025 12:39	YP\AJ	Ok
12	Q3831-01	PP076953.D	11 Dec 2025 12:55	YP\AJ	Ok,M
13	Q3831-01MS	PP076954.D	11 Dec 2025 13:12	YP\AJ	Ok,M
14	Q3831-01MSD	PP076955.D	11 Dec 2025 13:28	YP\AJ	Ok,M
15	Q3834-29	PP076956.D	11 Dec 2025 13:45	YP\AJ	Ok,M
16	Q3834-30	PP076957.D	11 Dec 2025 14:01	YP\AJ	Ok
17	AR1660CCC500	PP076958.D	11 Dec 2025 15:07	YP\AJ	Ok
18	AR1242CCC500	PP076959.D	11 Dec 2025 15:24	YP\AJ	Ok
19	AR1248CCC500	PP076960.D	11 Dec 2025 15:40	YP\AJ	Ok
20	AR1254CCC500	PP076961.D	11 Dec 2025 15:57	YP\AJ	Ok,M
21	I.BLK	PP076962.D	11 Dec 2025 16:13	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP112125

Review By	rahul	Review On	11/21/2025 11:49:27 AM
Supervise By	mohammad	Supervise On	11/26/2025 4:59:53 AM
SubDirectory	PP112125	HP Acquire Method	HP Processing Method PP112125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP076597.D	21 Nov 2025 08:48		YP\AJ	Ok
2	I.BLK	I.BLK	PP076598.D	21 Nov 2025 10:27		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP076599.D	21 Nov 2025 10:44		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP076600.D	21 Nov 2025 11:00		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP076601.D	21 Nov 2025 11:17		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP076602.D	21 Nov 2025 11:33		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP076603.D	21 Nov 2025 11:49		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP076604.D	21 Nov 2025 12:38		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP076605.D	21 Nov 2025 12:56		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP076606.D	21 Nov 2025 13:15		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP076607.D	21 Nov 2025 13:32		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP076608.D	21 Nov 2025 13:48		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP076609.D	21 Nov 2025 14:05		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP076610.D	21 Nov 2025 14:21		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP076611.D	21 Nov 2025 14:54		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP076612.D	21 Nov 2025 15:10		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP076613.D	21 Nov 2025 15:32		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP076614.D	21 Nov 2025 15:49		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP112125

Review By	rahul	Review On	11/21/2025 11:49:27 AM
Supervise By	mohammad	Supervise On	11/26/2025 4:59:53 AM
SubDirectory	PP112125	HP Acquire Method	HP Processing Method PP112125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP076615.D	21 Nov 2025 16:05		YPIAJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP076616.D	21 Nov 2025 16:38		YPIAJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP076617.D	21 Nov 2025 16:55		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP076618.D	21 Nov 2025 17:11		YPIAJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP076619.D	21 Nov 2025 17:28		YPIAJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP076620.D	21 Nov 2025 17:44		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP076621.D	21 Nov 2025 18:17		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP076622.D	21 Nov 2025 18:33		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PP076623.D	21 Nov 2025 18:50		YPIAJ	Ok
28	AR1268ICC500	AR1268ICC500	PP076624.D	21 Nov 2025 19:06		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PP076625.D	21 Nov 2025 19:23		YPIAJ	Ok
30	AR1268ICC050	AR1268ICC050	PP076626.D	21 Nov 2025 19:39		YPIAJ	Ok
31	PP112125ICV500	ICVPP112125	PP076627.D	21 Nov 2025 20:12		YPIAJ	Ok
32	AR1242ICV500	ICVPP112125AR1242	PP076628.D	21 Nov 2025 20:45		YPIAJ	Ok
33	AR1248ICV500	ICVPP112125AR1248	PP076629.D	21 Nov 2025 21:18		YPIAJ	Ok
34	AR1254ICV500	ICVPP112125AR1254	PP076630.D	21 Nov 2025 21:51		YPIAJ	Ok,M
35	AR1268ICV500	ICVPP112125AR1268	PP076631.D	21 Nov 2025 22:24		YPIAJ	Ok
36	DDT ANALOG	DDT ANALOG	PP076632.D	21 Nov 2025 22:57		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP121125

Review By	rahul	Review On	12/12/2025 10:04:40 AM
Supervise By	yogesh	Supervise On	12/12/2025 10:07:13 AM
SubDirectory	PP121125	HP Acquire Method	HP Processing Method PP121125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP076942.D	11 Dec 2025 08:12		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP076943.D	11 Dec 2025 08:28		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP076944.D	11 Dec 2025 08:45		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP076945.D	11 Dec 2025 09:02		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP076946.D	11 Dec 2025 09:18		YP\AJ	Ok
6	I.BLK	I.BLK	PP076947.D	11 Dec 2025 09:34		YP\AJ	Ok
7	Q3814-15	TP-4	PP076948.D	11 Dec 2025 09:51		YP\AJ	Ok
8	Q3815-01	RE	PP076949.D	11 Dec 2025 10:07		YP\AJ	Ok
9	PB170898BL	PB170898BL	PP076950.D	11 Dec 2025 12:06		YP\AJ	Ok
10	PB170898BS	PB170898BS	PP076951.D	11 Dec 2025 12:22		YP\AJ	Ok,M
11	Q3829-01	FED-FOOTING	PP076952.D	11 Dec 2025 12:39		YP\AJ	Ok
12	Q3831-01	PL-01-12102025	PP076953.D	11 Dec 2025 12:55		YP\AJ	Ok,M
13	Q3831-01MS	PL-01-12102025MS	PP076954.D	11 Dec 2025 13:12		YP\AJ	Ok,M
14	Q3831-01MSD	PL-01-12102025MSD	PP076955.D	11 Dec 2025 13:28	RPD fail for AR1260	YP\AJ	Ok,M
15	Q3834-29	B127(5.5-8)120925	PP076956.D	11 Dec 2025 13:45		YP\AJ	Ok,M
16	Q3834-30	B127(8-10)120925	PP076957.D	11 Dec 2025 14:01		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP076958.D	11 Dec 2025 15:07		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP076959.D	11 Dec 2025 15:24		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP121125

Review By	rahul	Review On	12/12/2025 10:04:40 AM
Supervise By	yogesh	Supervise On	12/12/2025 10:07:13 AM
SubDirectory	PP121125	HP Acquire Method	HP Processing Method PP121125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP076960.D	11 Dec 2025 15:40		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP076961.D	11 Dec 2025 15:57		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP076962.D	11 Dec 2025 16:13		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 12/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB138184

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
Q3829-01	FED-FOOTING	1	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3831-01	PL-01-12102025	9	1.18	10.49	11.67	10.77	91.4	
Q3831-02	PL-01-12102025-E	10	1.16	10.98	12.14	10.74	87.2	
Q3831-03	PL-01-12102025-E2	11	1.18	10.74	11.92	11.04	91.8	
Q3832-01	S-1	2	1.11	10.86	11.97	10.11	82.9	
Q3832-02	S-2	3	1.15	10.36	11.51	9.84	83.9	
Q3832-03	S-3	4	1.16	10.73	11.89	10.14	83.7	
Q3832-04	S-4	5	1.19	10.55	11.74	9.96	83.1	
Q3832-05	S-5	6	1.15	10.75	11.9	10.26	84.7	
Q3832-06	S-6	7	1.18	10.64	11.82	10.14	84.2	
Q3832-07	S-7	8	1.16	10.50	11.66	9.87	83.0	
Q3834-01	B119(0-1)120925	12	1.14	10.29	11.43	9.36	79.9	
Q3834-02	B119(0-2)120925	13	1.15	10.47	11.62	9.12	76.1	
Q3834-03	B119(2-4)120925	14	1.14	10.30	11.44	9.56	81.7	
Q3834-04	B119(4-6)120925	15	1.13	10.55	11.68	7.85	63.7	
Q3834-05	B119(6-8)120925	16	1.13	10.24	11.37	7.71	64.3	
Q3834-06	B121(0-1)120925	17	1.19	10.53	11.72	7.49	59.8	
Q3834-07	B121(1-2)120925	18	1.16	10.54	11.7	8.83	72.8	
Q3834-08	B121(2-4)120925	19	1.16	10.19	11.35	8.33	70.4	
Q3834-09	B121(4-6)120925	20	1.16	11.28	12.44	7.88	59.6	
Q3834-10	B121(6-8)120925	21	1.13	10.93	12.06	8.76	69.8	
Q3834-11	B123(0-1)120925	22	1.15	10.82	11.97	10.72	88.4	
Q3834-12	B123(1-2)120925	23	1.16	10.72	11.88	10.36	85.8	
Q3834-13	B123(2-4)120925	24	1.11	10.54	11.65	9.61	80.6	
Q3834-14	B123(4-6)120925	25	1.16	11.12	12.28	9.14	71.8	
Q3834-15	B123(6-8)120925	26	1.15	10.52	11.67	8.95	74.1	
Q3834-16	B125(0-1)120925	27	1.11	10.49	11.6	9.85	83.3	
Q3834-17	B125(1-2)120925	28	1.16	10.75	11.91	9.97	82.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 12/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB138184

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
Q3834-18	B125(2-4)120925	29	1.19	10.70	11.89	8.53	68.6	
Q3834-19	B125(4-6)120925	30	1.15	10.57	11.72	8.7	71.4	
Q3834-20	B125(6-8)120925	31	1.14	11.15	12.29	9.99	79.4	
Q3834-21	B128(0-1)120925	32	1.18	10.45	11.63	10.84	92.4	
Q3834-22	B128(1-2)120925	33	1.15	10.07	11.22	10.00	87.9	
Q3834-23	B128(2-4)120925	34	1.12	10.65	11.77	10.22	85.4	
Q3834-24	B128(6-8)120925	35	1.13	10.59	11.72	8.93	73.7	
Q3834-25	B128(4-6)120925	36	1.13	10.72	11.85	9.89	81.7	
Q3834-26	Q3834-25MS	37	1.13	10.72	11.85	9.89	81.7	
Q3834-27	Q3834-25MSD	38	1.13	10.72	11.85	9.89	81.7	
Q3834-28	DUP-1-120925	39	1.16	10.99	12.15	9.78	78.4	
Q3834-29	B127(5.5-8)120925	40	1.16	11.39	12.55	8.09	60.8	
Q3834-30	B127(8-10)120925	41	1.18	10.61	11.79	7.87	63.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

12/28/25

WorkList Name : %1-121025 WorkList ID : 193564 Department : Wet-Chemistry Date : 12-10-2025 08:35:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3829-01	FED-FOOTING	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	12/10/2025	Chemtech -SO
Q3831-01	PL-01-12102025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	12/10/2025	Chemtech -SO
Q3831-02	PL-01-12102025-E	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	12/10/2025	Chemtech -SO
Q3831-03	PL-01-12102025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	12/10/2025	Chemtech -SO
Q3832-01	S-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	D11	12/10/2025	Chemtech -SO
Q3832-02	S-2	Solid	Percent Solids	Cool 4 deg C	EARTH03	D11	12/10/2025	Chemtech -SO
Q3832-03	S-3	Solid	Percent Solids	Cool 4 deg C	EARTH03	D11	12/10/2025	Chemtech -SO
Q3832-04	S-4	Solid	Percent Solids	Cool 4 deg C	EARTH03	D11	12/10/2025	Chemtech -SO
Q3832-05	S-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	D11	12/10/2025	Chemtech -SO
Q3832-06	S-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	D11	12/10/2025	Chemtech -SO
Q3832-07	S-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	D11	12/10/2025	Chemtech -SO
Q3834-01	B119(0-1)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-02	B119(0-2)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-03	B119(2-4)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-04	B119(4-6)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-05	B119(6-8)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-06	B121(0-1)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-07	B121(1-2)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-08	B121(2-4)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-09	B121(4-6)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-10	B121(6-8)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO

Date/Time 12/10/25 16:00 Date/Time 12-10-25 17:35
 Raw Sample Received by: JOP GOCU Raw Sample Received by: JDC(Sm)
 Raw Sample Relinquished by: JDC(Sm) Raw Sample Relinquished by: JOP GOCU

WORKLIST(Hardcopy Internal Chain)

12/10/25

WorkList Name : %1-121025

WorkList ID : 193564

Department : Wet-Chemistry

Date : 12-10-2025 08:35:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3834-11	B123(0-1)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-12	B123(1-2)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-13	B123(2-4)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-14	B123(4-6)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-15	B123(6-8)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-16	B125(0-1)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-17	B125(1-2)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-18	B125(2-4)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-19	B125(4-6)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-20	B125(6-8)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-21	B128(0-1)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-22	B128(1-2)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-23	B128(2-4)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-24	B128(6-8)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-25	B128(4-6)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-26	Q3834-25MS	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-27	Q3834-25MSD	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-28	DUP-1-120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-29	B127(5-8)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO
Q3834-30	B127(8-10)120925	Solid	Percent Solids	Cool 4 deg C	WOOD06	D31	12/09/2025	Chemtech -SO

Date/Time 12-10-25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 12-10-25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 12/11/2025

Extraction Start Time : 08:45

Extraction End Date : 12/11/2025

Extraction End Time : 11:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24930
Surrogate	1.0ML	200 PPB	PP25072
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	EP2660
Baked Na2SO4	N/A	EP2665
Hexane	N/A	E3988
H2SO4 1:1	N/A	EP2657
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/11/25	RS (Ext Lab)	Y. P. Pesth IPQ
11:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 12/11/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170898BL	ABLK898	PCB	30.01	N/A	Rubina	Evelyn	10			U3-1
PB170898BS	ALCS898	PCB	30.03	N/A	Rubina	Evelyn	10			2
Q3829-01	FED-FOOTING	PCB	30.04	N/A	Rubina	Evelyn	10	B	Concrete	3
Q3831-01	PL-01-12102025	PCB	30.06	N/A	Rubina	Evelyn	10	E		4
Q3831-01MS	PL-01-12102025MS	PCB	30.02	N/A	Rubina	Evelyn	10	E		5
Q3831-01MS D	PL-01-12102025MSD	PCB	30.03	N/A	Rubina	Evelyn	10	E		6
Q3834-29	B127(5.5-8)120925	PCB	30.05	N/A	Rubina	Evelyn	10	E		U4-1
Q3834-30	B127(8-10)120925	PCB	30.08	N/A	Rubina	Evelyn	10	E		2

RS
12/11

WORKLIST(Hardcopy Internal Chain)

WorkList Name : q3829 **WorkList ID :** 193584 **Department :** Extraction **Date :** 12-11-2025 08:28:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3829-01	FED-FOOTING	Solid	PCB	Cool 4 deg C	PSEG03	D41	12/10/2025	8082A
Q3831-01	PL-01-12102025	Solid	PCB	Cool 4 deg C	PSEG05	D31	12/10/2025	8082A
Q3834-29	B127(5.5-8)120925	Solid	PCB	Cool 4 deg C	WOOD06	D31	12/09/2025	8082A
Q3834-30	B127(8-10)120925	Solid	PCB	Cool 4 deg C	WOOD06	D31	12/09/2025	8082A

Date/Time 12/11/25 8:40
Raw Sample Received by: RJ (GATCub)
Raw Sample Relinquished by: CP SM

Date/Time 12/11/25 9:50
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (GATCub)

Prep Standard - Chemical Standard Summary

Order ID : Q3834

Test : PCB

Prepbatch ID : PB170898,

Sequence ID/Qc Batch ID: PP121125,

Standard ID :

EP2657,EP2660,EP2665,PP24329,PP24330,PP24381,PP24805,PP24806,PP24807,PP24808,PP24809,PP24810,PP24811,PP24812,PP24814,PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862,PP24930,PP25072,

Chemical ID :

E3804,E3875,E3951,E3962,E3963,E3972,E3982,E3988,M6186,P 11522,P11592,P12700,P12703,P12952,P12953,P12957,P13356,P13373,P13375,P13590,P13592,P13695,P13697,P13706,P13789,P13833,P13879,P13881,P13885,P14240,W3112,W3177,W3234,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2657	11/03/2025	05/03/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 11/03/2025

FROM 1000.00000ml of M6186 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2660	11/03/2025	05/03/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 11/03/2025

FROM



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2665	12/05/2025	06/05/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 12/05/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025
<u>FROM</u> 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13789 + 9.00000ml of E3962 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	PP24806	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13375 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	PP24807	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13879 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	PP24808	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13706 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	PP24809	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13695 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	PP24810	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P11592 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	PP24811	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13881 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	PP24812	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13885 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP24814	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P12952 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	PP24815	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 98.50000ml of E3962 + 0.50000ml of PP24805 + 1.00000ml of PP24814 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24816	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13373 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24817	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P12700 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24818	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13590 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24819	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13592 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2193	AR1254 100 PPM STOCK SOLUTION	PP24820	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13833 + 9.00000ml of E3963 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	PP24821	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P12703 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24822	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P11522 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP24823	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP24824	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	PP24825	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP24826	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24824 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	PP24827	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24806 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP24828	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24806 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	PP24829	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24806 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP24830	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24828 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP24831	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24807 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP24832	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24807 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	PP24833	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24807 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP24834	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24832 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	PP24835	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24808 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP24836	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24808 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	PP24837	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24808 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP24838	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24836 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP24839	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24809 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP24840	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24809 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	PP24841	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24809 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP24842	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24840 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	PP24843	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24810 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP24844	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24810 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	PP24845	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24810 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP24846	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24844 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP24847	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24811 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP24848	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24811 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	PP24849	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24811 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP24850	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24848 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	PP24851	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24812 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP24852	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24812 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	PP24853	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24812 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP24854	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24852 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	PP24855	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24815 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3790	AR1221 500 PPB ICV(AGILENT)	PP24856	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24816 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	PP24857	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24817 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP24858	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24818 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	PP24859	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24819 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP24860	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	PP24861	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24821 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	PP24862	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24822 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24930	09/18/2025	03/18/2026	Abdul Mirza	None	None	Yogesh Patel
								09/19/2025

FROM 0.50000ml of P12953 + 99.50000ml of E3972 = Final Quantity: 100.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP25072	11/19/2025	05/19/2026	Abdul Mirza	None	None	Rahul Chavli 11/27/2025
<u>FROM</u> 1.00000ml of P14240 + 999.00000ml of E3982 = Final Quantity: 1000.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	02/18/2026	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 #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

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	02/15/2026	08/15/2025 / RUPESH	08/07/2025 / RUPESH	E3963

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	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24L1062001	10/04/2027	10/31/2025 / RUPESH	10/31/2025 / RUPESH	E3982

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)	25G1662002	05/21/2026	11/21/2025 / RUPESH	11/19/2025 / RUPESH	E3988

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)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

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 #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	02/18/2026	08/18/2025 / yogesh	03/18/2022 / Abdul	P11592

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	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12700

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	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12703

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	02/18/2026	08/18/2025 / yogesh	12/20/2023 / Yogesh	P12952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	03/18/2026	09/18/2025 / Abdul	12/20/2023 / Yogesh	P12953

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

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 #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

CHEMICAL RECEIPT LOG BOOK

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	A0207511	02/18/2026	08/18/2025 / yogesh	05/03/2024 / Abdul	P13375

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13592

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	A0214733	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13695

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	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	A0210232	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13706

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	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

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	02/18/2026	08/18/2025 / yogesh	12/09/2024 / Ankita	P13833

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	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13879

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	A0217041	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13881

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	A0217264	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13885

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	A0214495	05/19/2026	11/19/2025 / Abdul	11/19/2025 / Abdul	P14240

CHEMICAL RECEIPT LOG BOOK

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 / lwona	07/03/2024 / lwona	W3112

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

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	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



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™**



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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



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) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone.
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 8/6/25

E 3963

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors**™



Material No.: 9254-03

Batch No.: 24L1062001

Manufactured Date: 2024-10-04

Expiration Date: 2027-10-04

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.1
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 10/29/25

E3982

J. Croak

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M6186

Reciev Date :- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO ₂)	≤ 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 and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 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	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium



Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

A handwritten signature in cursive script that reads 'Jamie Ethier'.
Jamie Ethier
Vice President Global Quality



Certificate of Analysis

P11518
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P11522
AJ
02/21/22

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.

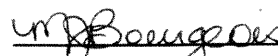
Expiration of Certification:

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:


Monica Bourgeois
QMS Representative



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



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 Lot No.: A0175403
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 41.4406 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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P11592 / (S)

AR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

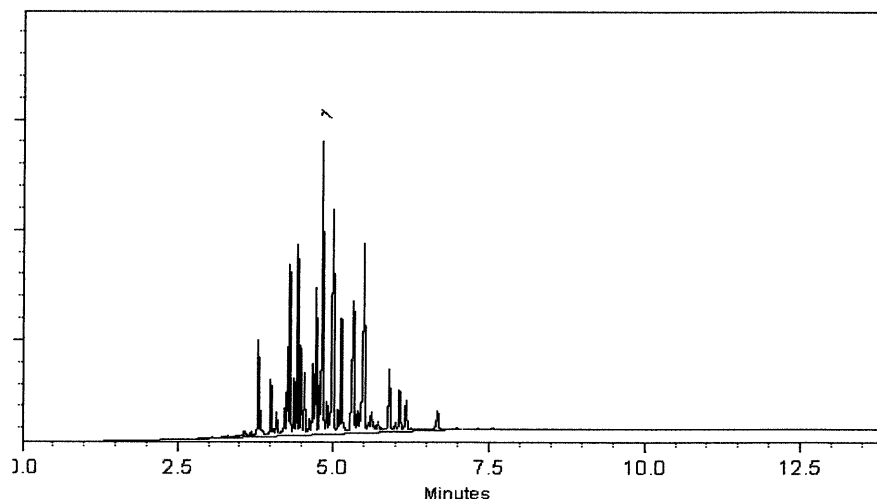
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11588
↓
P11592 / (5)

AR
04/30/22



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(
Aceton

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	Target 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 X 5µm film thickness

Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min

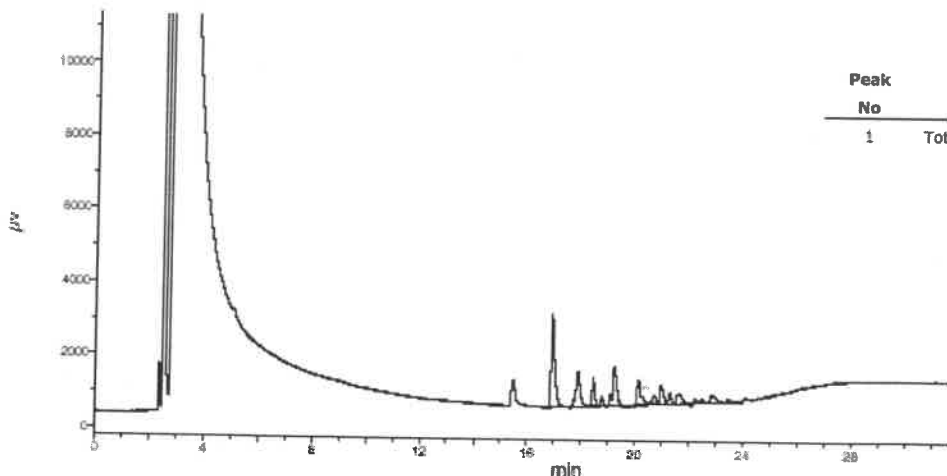
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min

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





CERTIFIED WEIGHT REPORT

Part Number: X9166

Lot Number: 060523

Description: Aroclor 1262

Solvent(s): Methanol

E

Appendix IX Compound

Expiration Date: 060533

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 100

NIST Test ID#: 6UTB

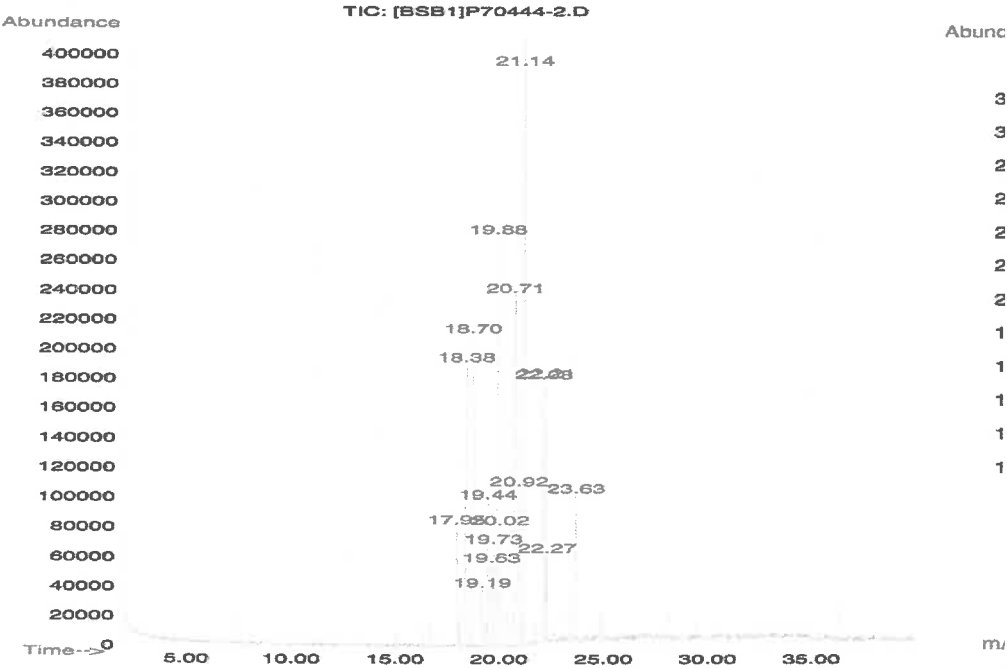
Volume(s) shown below were combined and diluted to (mL): 20.0

5E-05 Balance Uncertainty

0.002 Flask Uncertainty

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Co
1. Aroclor 1262	70444	080322	0.10	2.00	0.017	

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickn min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.



- The certified value is the concentration calculated from gravimetric and volumetric me
- Standards are prepared gravimetrically using balances that are calibrated with weight
- 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 appro
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

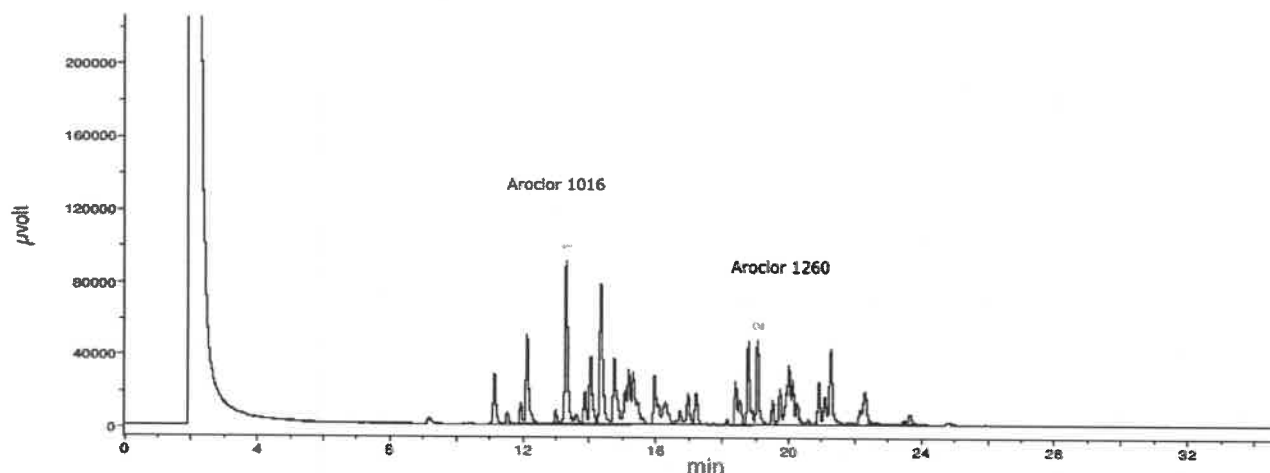
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P12955
YAP.
12/20/23

Weight(s) shown below were combined and diluted to (mL): 200.0
5E-05 Balance Uncertainty
0.010 Flask Uncertainty

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	ori-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





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

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

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P12955
YAP.
12/20/23

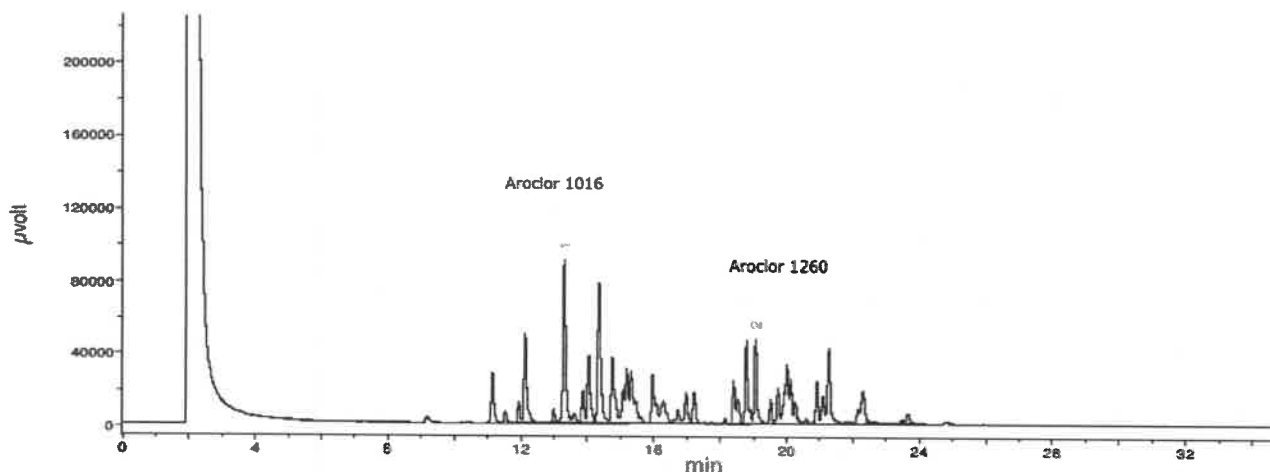
Weight(s) shown below were combined and diluted to (mL): 200.0
5E-05 Balance Uncertainty
0.010 Flask Uncertainty

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	ori-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





CERTIFIED WEIGHT REPORT

Part Number: **99139**
Lot Number: **121823**
Description: **Aroclor 1254**

Solvent(s):
Iso-octane
Lot#
82227

<i>Anthony Mahoney</i>		121823
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		121823
Reviewed By:	Pedro L. Rentas	DATE

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12/20/23
P12957 }

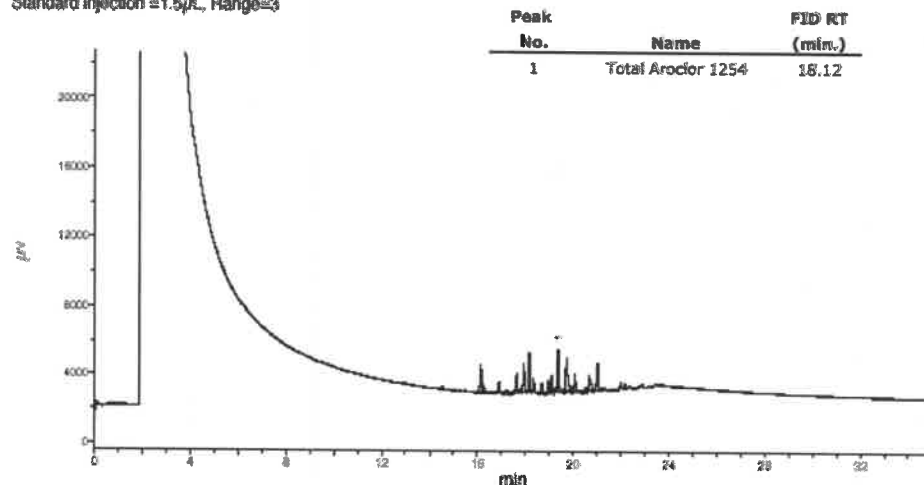
Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB
Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

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 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 X 5µm 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





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

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04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

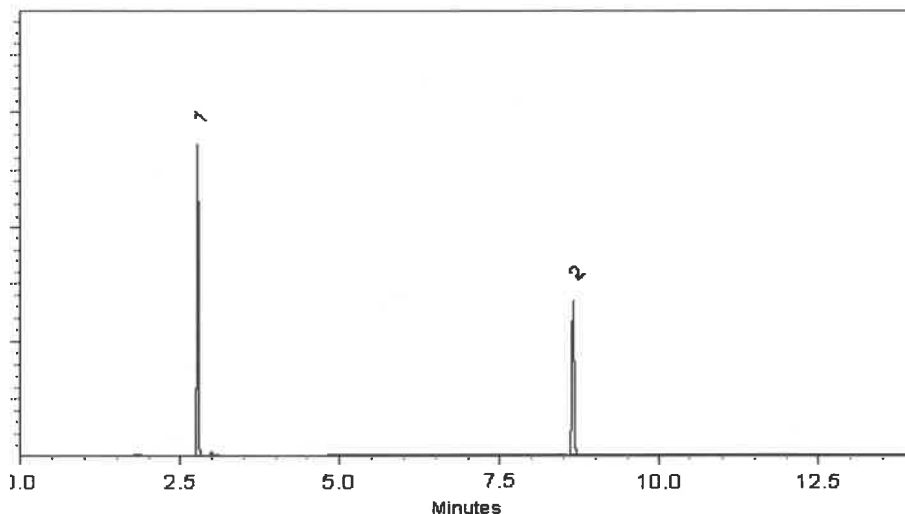
ECD

Split Vent:

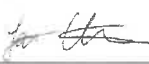
10 ml/min.

Inj. Vol

1µl

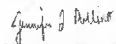


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

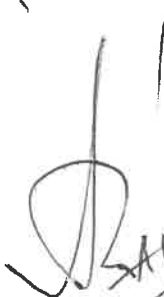
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
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P 13357
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SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0207511

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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 1221	11104-28-2	13192500	----%	1,002.7 µg/mL	+/- 55.6424

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13374
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P 13375
/

[Signature]
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:

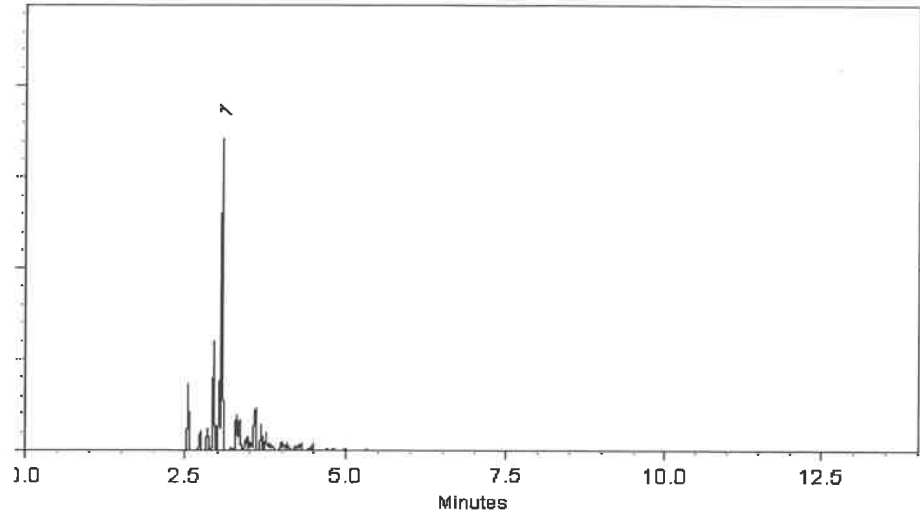
ECD

Split Vent:

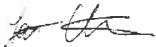
10 ml/min.

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: 06-Feb-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

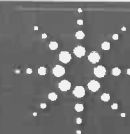
Date Passed: 08-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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P 13375 }


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		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
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
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P13590AJ
10/14/24

ISO 17034



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



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 95T215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1248 Standard

Lot Number: 0006726317

Product Number: PP-342-1

Lot Issue Date: 27-Jan-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

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

AS
10/14/2024



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



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1

ISO 17025



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0214733

Description : Aroclor® 1248 Standard
Aroclor® 1248 Standard 1,000µg/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

P13695 } Y.P.
P13696 } 10/17/24

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	15242800	----%	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:

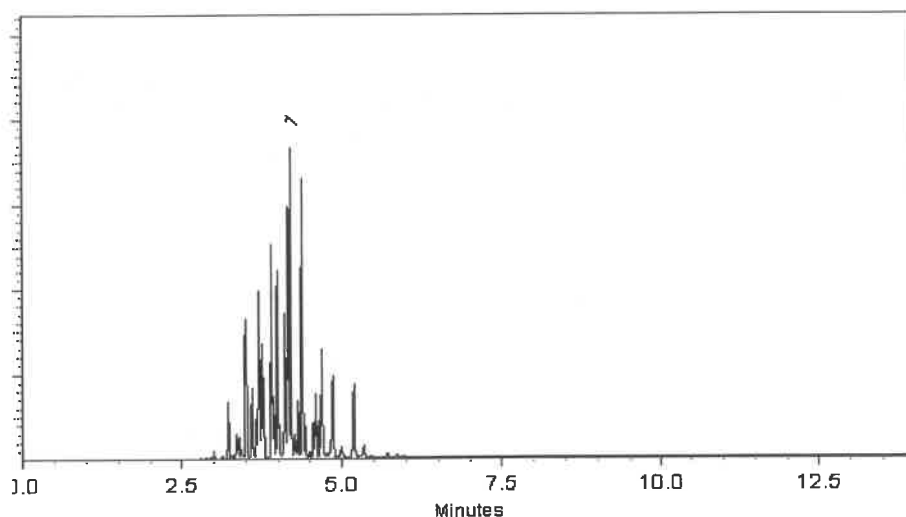
ECD

Split Vent:

10 ml/min.

Inj. Vol

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.

Rebecca Gingerich - Operations Tech II

Date Mixed: 02-Aug-2024

Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- 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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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

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

P13697
↓
P13701 } Y.P.
10/19/24

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:

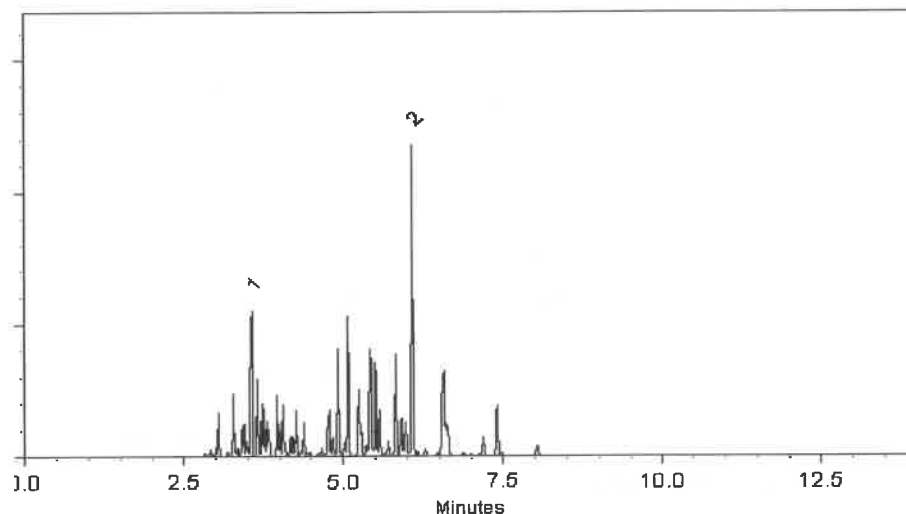
ECD

Split Vent:

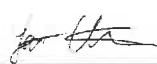
10 ml/min.

Inj. Vol

0.2µl

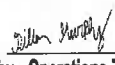


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- 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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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.:** A0210232

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 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

P13706 } y.p.
P13707 } 10/17/24

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	----%	1,000.7 µg/mL	+/- 55.5295

* 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:

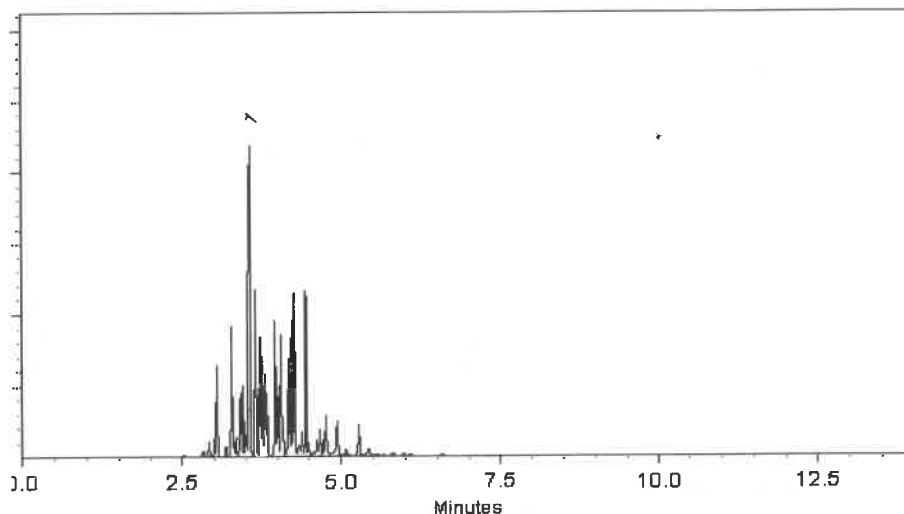
ECD

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.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 17-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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- 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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

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%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

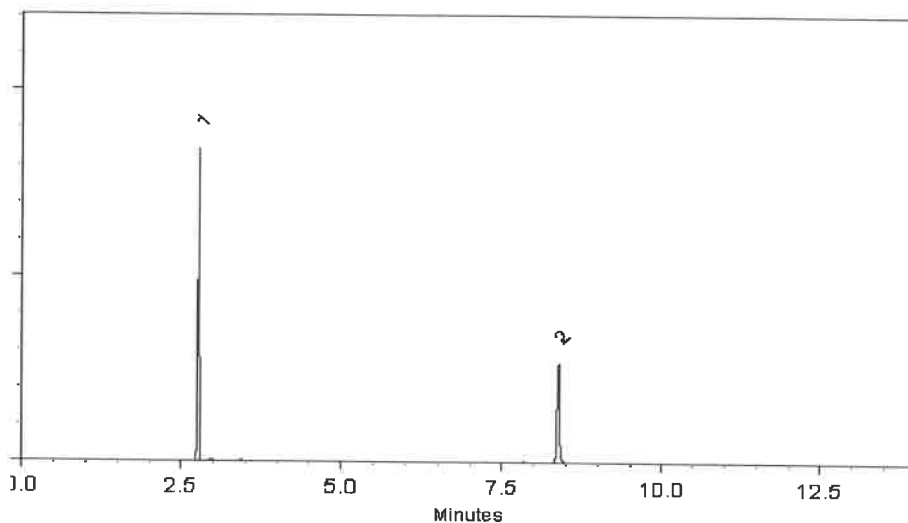
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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
↓
P13834
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:

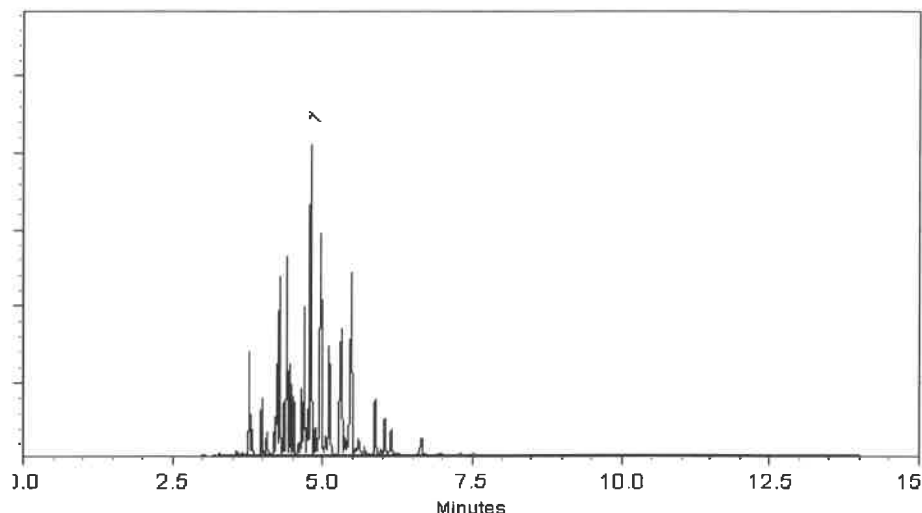
ECD

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
Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024

Balance Serial # C322230531

Jennifer Pollino
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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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
↓
P13850

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:

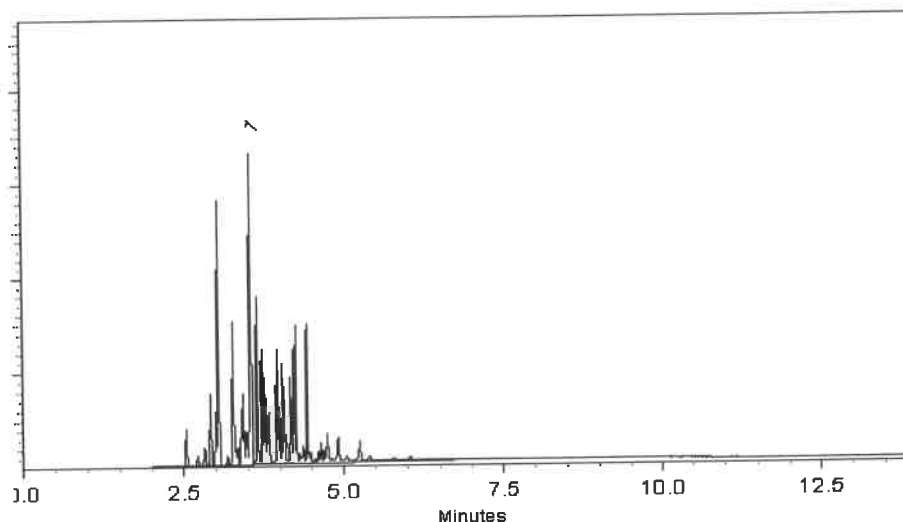
ECD

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
Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024

Balance Serial # C322230531

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

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.

Catalog No. : 32409 **Lot No.:** A0217041

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 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 1262	37324-23-5	10849100	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13881
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:

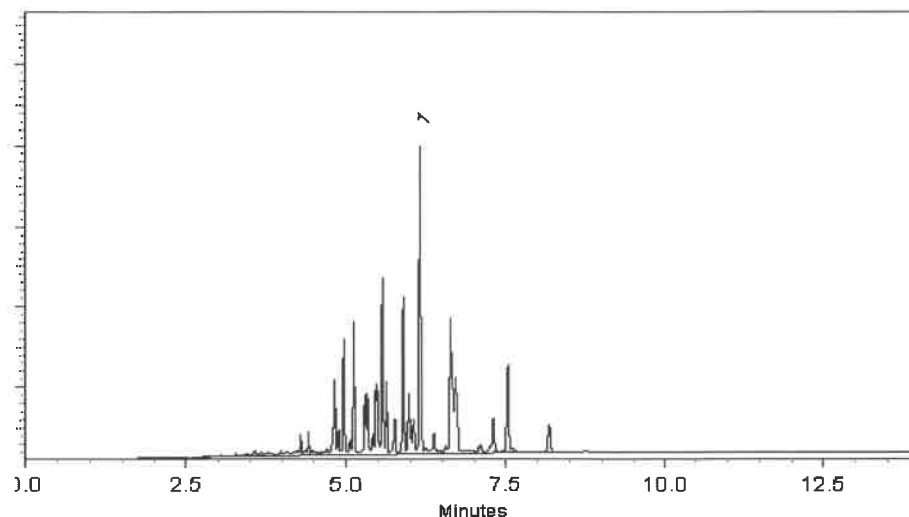
ECD

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.

Rebecca Gingerich - Operations Tech II

Date Mixed: 25-Sep-2024

Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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.:** A0217264

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

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 1268	11100-14-4	12353400	----%	1,009.8 µg/mL	+/- 56.0364

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13884
↓
P13886

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:

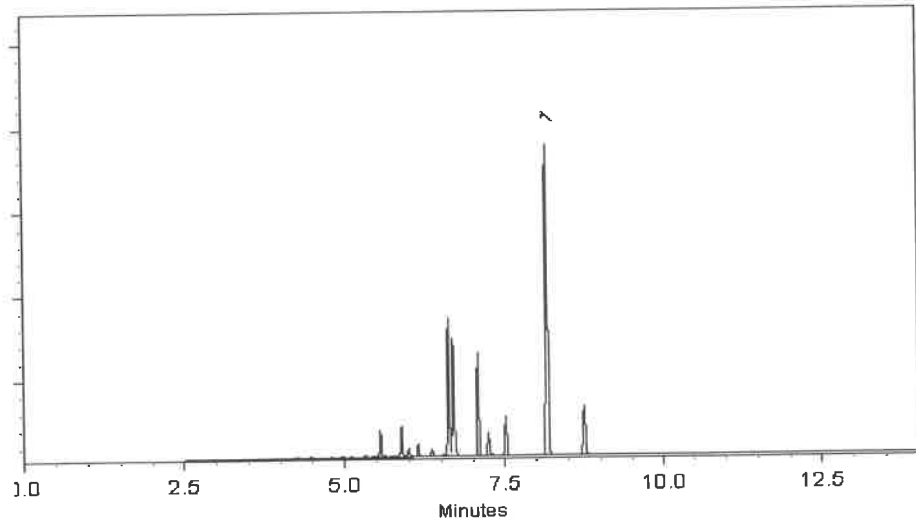
ECD

Split Vent:

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.

Stacey Wanner - Operations Technician I

Date Mixed: 01-Oct-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantor**™



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 JB
OP4421 07/28/2025

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) (by GC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: 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



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Woodward Curran

ADDRESS: 400 Penn Center Blvd, Suite 600

CITY Pittsburgh STATE: PA ZIP: 15235

ATTENTION: Bruce Geno

PHONE: 412-535-5144

FAX:

PROJECT NAME: PPG Riverside

PROJECT NO.: LOCATION: Newark, NJ

PROJECT MANAGER:

e-mail: Bruce Geno

PHONE: 412-535-5174

FAX:

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): Standard DAYS*

EDD: Standard DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data ☐ Other

☒ EDD FORMAT Hot Site

Metals Group 4
EPH
Flashpoint
Mercury
Metals-ICR-TAL
PCB
SVOC-TCL-BM-20
SVOC-TCL-VOC-16

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		F	F	F	F	F	F	F	F	F	← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
								1	2	3	4	5	6	7	8	9		
1.	B128(0-1)120925	Soil		X	12/9/25	1415	1	X										
2.	B128(1-2)120925	S		X	12/9/25	1420	1	X										
3.	B128(2-4)120925	S		X	12/9/25	1425	1	X										
4.	B128(4-6)(4-6)120925	S		X	12/9/25	1430	1	X										
5.	B128(6-8)120925	S		X	12/9/25	1435	1	X										
6.	B128(4-6)/MS120925	S		X	12/9/25	1430	1	X										
7.	B128(4-6)MSD120925	S		X	12/9/25	1430	1	X										
8.	Dup-1 120925	S		X	12/9/25	—	1	X										
9.	B127(5.5-8)120925	S		X	12/9/25	1545	6		X	X	X	X	X	X	X			
10.	B127(8-10)120925	S		X	12/9/25	1550	6		X	X	X	X	X	X	X			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT	COOLER TEMP
1. <u>[Signature]</u>	<u>12/9/25/1335</u>	1. <u>[Signature]</u>	* Envirodata, Epcos Region 2	<u>3.0°C</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
2. <u>[Signature]</u>		2. <u>[Signature]</u>		
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
3. <u>[Signature]</u>	<u>12.10.2025</u>	3. <u>[Signature]</u>		

Page 3 of 3

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Woodford & Curran
ADDRESS: 400 Penn Center Blvd, Suite 600
CITY: Pittsburgh STATE: PA ZIP: 15235
ATTENTION: Bruce Geno
PHONE: 412-335-5174 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: PPG Riversidc
PROJECT NO.: LOCATION: Newark, NJ
PROJECT MANAGER:
e-mail: bgeno@WoodfordCurran.com
PHONE: 412-535-5174 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT Haz Site

Metals Group 4
EPT
Flashpoint
Mercury
Metals ICP-TAL
PCB
SVOC-TAL-Bulk-20
SVOC-TAL-100A-10

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		F	F	F	F	F	F	F	F	1	← Specify Preservatives	
								1	2	3	4	5	6	7	8	9	A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	B119(0-1) 120925	Soil		X	12-9-25	1015	1	X										
2.	B119(1-2) 120925	S		X	12-9-25	1020	1	X										
3.	B119(2-4) 120925	S		X	12-9-25	1025	1	X										
4.	B119(4-6) 120925	S		X	12-9-25	1030	1	X										
5.	B119(6-8) 120925	S		X	12-9-25	1035	1	X										
6.	B121(0-1) 120925	S		X	12-9-25	1105	1	X										
7.	B121(1-2) 120925	S		X	12-9-25	1110	1	X										
8.	B121(2-4) 120925	S		X	12-9-25	1115	1	X										
9.	B121(4-6) 120925	S		X	12-9-25	1120	1	X										
10.	B121(6-8) 120925	S		X	12-9-25	1125	1	X										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 12/9/15/1335	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.2</u> °C Comments: <u>A Envirodata, Equis Region 2</u>
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 2. <i>[Signature]</i>	
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 12/10/2025	RECEIVED BY: 3. <i>[Signature]</i>	

Page 1 of 3

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Woodard & Curran
ADDRESS: 400 Penn Center Blvd, Suite 600
CITY: Pittsburgh STATE: PA ZIP: 15235
ATTENTION: Bruce Geno
PHONE: 412-535-5174 FAX:

PROJECT NAME: PPG Riverside
PROJECT NO.: LOCATION: Newum, MS
PROJECT MANAGER:
e-mail: bgeno@WoodardCurran.com
PHONE: 412-535-5174 FAX:

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☒ EDD FORMAT Haz Site

1. Metals Group 4
2. EPH
3. Flashpoint
4. Mercury
5. Metals ICP-TAL
6. PCB
7. SWOC TCL-BNA-20
8. SWOC TCL-UBA-10
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		F	F	F	F	F	F	F	F		← Specify Preservatives	
								1	2	3	4	5	6	7	8	9	A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	B123 (0-1) 120925	Soil		X	12-9-25	1145	1	X										
2.	B123 (1-2) 120925	S		X	12-9-25	1150	1	X										
3.	B123 (2-4) 120925	S		X	12-9-25	1155	1	X										
4.	B123 (4-6) 120925	S		X	12-9-25	1200	1	X										
5.	B123 (6-8) 120925	S		X	12-9-25	1205	1	X										
6.	B125 (0-1) 120925	S		X	12-9-25	1225	1	X										
7.	B125 (1-2) 120925	S		X	12-9-25	1230	1	X										
8.	B125 (2-4) 120925	S		X	12-9-25	1235	1	X										
9.	B125 (4-6) 120925	S		X	12-9-25	1240	1	X										
10.	B125 (6-8) 120925	S		X	12-9-25	1245	1	X										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
1. [Signature]	12/9/25/1333	1. [Signature]	Comments: IR Coolant 1 3.2°C + 0 = 3.2°C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	12-10-2025	3. [Signature]	

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3834	WOOD06	Order Date : 12/10/2025 1:42:00 PM	Project Mgr :
Client Name : Woodard & Curran		Project Name : US EPA Riverside Industria	Report Type : Level 4
Client Contact : Bruce Geno		Receive DateTime : 12/10/2025 12:00:00 AM	EDD Type : Equis Region2(MEDD)
Invoice Name : Woodard & Curran		Purchase Order : 14720	Hard Copy Date :
Invoice Contact : Bruce Geno			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3834-29	B127(5.5-8)120925	Solid	12/09/2025	15:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3834-30	B128(8-10)120925	Solid	12/09/2025	15:50					
	B127				VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

[Signature]

12-10-2025 1537

Received By :

Date / Time :

[Signature]

12-10-25 15:40

Storage Area : VOA Refridgerator Room

Tanner

*Stored in VOA
F2H12 & let # 06 (C)*