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Cover Page

Order ID : Q3363

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number	Client Sample Number
Q3363-01	PR132-SO1-085011-20251015
Q3363-02	PR132-SO1-039085-20251015
Q3363-03	PR132-SO3-028010-20251015
Q3363-04	PR132-SO3-010013-20251015
Q3363-05	COMP01-20251015

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: 10/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q3363**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRATIK PATEL** **Date:** **10/24/2025**

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LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095 [illegible]
Contact:	Rob Forstner	**Location:**	[illegible] Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-SO1-039085-20251015								
Q3363-02	PR132-SO1-039085-2	SOIL	Aroclor-1242	161		7.10	30.0	ug/kg
Q3363-02	PR132-SO1-039085-2	SOIL	Aroclor-1254	109		5.70	30.0	ug/kg
			Total Concentration:	**270.000**				
Client ID : PR132-SO3-028010-20251015								
Q3363-03	PR132-SO3-028010-2	SOIL	Aroclor-1242	66.4		7.30	30.9	ug/kg
Q3363-03	PR132-SO3-028010-2	SOIL	Aroclor-1254	30.3	J	5.80	30.9	ug/kg
			Total Concentration:	**96.700**				

QC
SUMMARY

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Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO114312.D	PIBLK-PO114312.D	Tetrachloro-m-xyl	1	20	18.6	93		60	140
		Decachlorobiphen	1	20	19.2	96		60	140
		Tetrachloro-m-xyl	2	20	18.9	94		60	140
		Decachlorobiphen	2	20	19.0	95		60	140
I.BLK-PO114452.D	PIBLK-PO114452.D	Tetrachloro-m-xyl	1	20	21.7	108		60	140
		Decachlorobiphen	1	20	20.5	103		60	140
		Tetrachloro-m-xyl	2	20	21.2	106		60	140
		Decachlorobiphen	2	20	20.1	101		60	140
PB170141BL	PB170141BL	Tetrachloro-m-xyl	1	20	23.9	119		32	144
		Decachlorobiphen	1	20	22.4	112		32	175
		Tetrachloro-m-xyl	2	20	23.0	115		32	144
		Decachlorobiphen	2	20	21.5	108		32	175
PB170141BS	PB170141BS	Tetrachloro-m-xyl	1	20	24.6	123		32	144
		Decachlorobiphen	1	20	23.4	117		32	175
		Tetrachloro-m-xyl	2	20	22.5	112		32	144
		Decachlorobiphen	2	20	22.5	113		32	175
Q3363-01	PR132-SO1-085011-20251015	Tetrachloro-m-xyl	1	20	21.2	106		32	144
		Decachlorobiphen	1	20	20.1	101		32	175
		Tetrachloro-m-xyl	2	20	23.7	119		32	144
		Decachlorobiphen	2	20	18.9	94		32	175
Q3363-03	PR132-SO3-028010-20251015	Tetrachloro-m-xyl	1	20	18.8	94		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	19.5	98		32	144
		Decachlorobiphen	2	20	15.2	76		32	175
Q3369-01MS	MH-22MS	Tetrachloro-m-xyl	1	20	20.8	104		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	20.7	104		32	144
		Decachlorobiphen	2	20	14.9	74		32	175
Q3369-01MSD	MH-22MSD	Tetrachloro-m-xyl	1	20	20.0	100		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	19.5	97		32	144
		Decachlorobiphen	2	20	14.3	71		32	175
I.BLK-PO114465.D	PIBLK-PO114465.D	Tetrachloro-m-xyl	1	20	21.8	109		60	140
		Decachlorobiphen	1	20	20.6	103		60	140
		Tetrachloro-m-xyl	2	20	21.8	109		60	140
		Decachlorobiphen	2	20	19.5	97		60	140
I.BLK-PP075246.D	PIBLK-PP075246.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	19.4	97		60	140
		Tetrachloro-m-xyl	2	20	17.9	90		60	140
		Decachlorobiphen	2	20	20.0	100		60	140
I.BLK-PP075839.D	PIBLK-PP075839.D	Tetrachloro-m-xyl	1	20	21.9	109		60	140

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Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP075839.D	PIBLK-PP075839.D	Decachlorobiphen	1	20	20.4	102		60	140
		Tetrachloro-m-xyl	2	20	19.0	95		60	140
		Decachlorobiphen	2	20	21.4	107		60	140
Q3363-04	PR132-SO3-010013-20251015	Tetrachloro-m-xyl	1	20	18.9	95		32	144
		Decachlorobiphen	1	20	14.9	74		32	175
		Tetrachloro-m-xyl	2	20	22.2	111		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
Q3363-05	COMP01-20251015	Tetrachloro-m-xyl	1	20	20.9	104		32	144
		Decachlorobiphen	1	20	11.4	57		32	175
		Tetrachloro-m-xyl	2	20	21.8	109		32	144
		Decachlorobiphen	2	20	11.5	58		32	175
I.BLK-PP075854.D	PIBLK-PP075854.D	Tetrachloro-m-xyl	1	20	21.3	107		60	140
		Decachlorobiphen	1	20	19.1	96		60	140
		Tetrachloro-m-xyl	2	20	18.5	93		60	140
		Decachlorobiphen	2	20	20.1	100		60	140
Q3363-02	PR132-SO1-039085-20251015	Tetrachloro-m-xyl	1	20	13.2	66		32	144
		Decachlorobiphen	1	20	11.1	56		32	175
		Tetrachloro-m-xyl	2	20	22.9	114		32	144
		Decachlorobiphen	2	20	9.25	46		32	175
I.BLK-PP075866.D	PIBLK-PP075866.D	Tetrachloro-m-xyl	1	20	20.9	105		60	140
		Decachlorobiphen	1	20	18.9	95		60	140
		Tetrachloro-m-xyl	2	20	18.1	91		60	140
		Decachlorobiphen	2	20	17.9	90		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PO114459.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3369-01MS (Column 1)**	**Client Sample ID:**		**MH-22MS**								
	AR1016	186.5	0	165	ug/kg	88				55	146	
	AR1260	186.5	0	160	ug/kg	86				54	119	
Lab Sample ID:	**Q3369-01MS (Column 2)**	**Client Sample ID:**		**MH-22MS**								
	AR1016	186.5	0	177	ug/kg	95				55	146	
	AR1260	186.5	0	157	ug/kg	84				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PO114460.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3369-01MSD (Column 1)**	**Client Sample ID:**		**MH-22MSD**								
	AR1016	186.7	0	153	ug/kg	82		7		55	146	15
	AR1260	186.7	0	156	ug/kg	84		2		54	119	15
Lab Sample ID:	**Q3369-01MSD (Column 2)**	**Client Sample ID:**		**MH-22MSD**								
	AR1016	186.7	0	171	ug/kg	92		3		55	146	15
	AR1260	186.7	0	149	ug/kg	80		5		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8082A

Client: AECOM **Datafile :** PO114454.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170141BS (Column 1)	AR1016	166.6	165	ug/kg	99				71	120	
	AR1260	166.6	153	ug/kg	92				65	130	
PB170141BS (Column 2)	AR1016	166.6	167	ug/kg	100				71	120	
	AR1260	166.6	169	ug/kg	101				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170141BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab Sample ID: PB170141BL | Lab File ID: PO114453.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/17/2025

Date Analyzed (1): 10/17/2025 | Date Analyzed (2): 10/17/2025

Time Analyzed (1): 12:29 | Time Analyzed (2): 12:29

Instrument ID (1): ECD_O | Instrument ID (2): ECD_O

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
PB170141BS	PB170141BS	PO114454.D	10/17/2025	10/17/2025
PR132-SO1-085011-20251015	Q3363-01	PO114455.D	10/17/2025	10/17/2025
PR132-SO3-028010-20251015	Q3363-03	PO114457.D	10/17/2025	10/17/2025
MH-22MS	Q3369-01MS	PO114459.D	10/17/2025	10/17/2025
MH-22MSD	Q3369-01MSD	PO114460.D	10/17/2025	10/17/2025
PR132-SO3-010013-20251015	Q3363-04	PP075840.D	10/17/2025	10/17/2025
COMP01-20251015	Q3363-05	PP075841.D	10/17/2025	10/17/2025
PR132-SO1-039085-20251015	Q3363-02	PP075861.D	10/17/2025	10/17/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PO114455.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	33.9	U	1	7.90	33.9	ug/kg	10/17/25 13:04	PB170141
11104-28-2	Aroclor-1221	33.9	U	1	8.00	33.9	ug/kg	10/17/25 13:04	PB170141
11141-16-5	Aroclor-1232	33.9	U	1	7.40	33.9	ug/kg	10/17/25 13:04	PB170141
53469-21-9	Aroclor-1242	33.9	U	1	8.00	33.9	ug/kg	10/17/25 13:04	PB170141
12672-29-6	Aroclor-1248	33.9	U	1	11.8	33.9	ug/kg	10/17/25 13:04	PB170141
11097-69-1	Aroclor-1254	33.9	U	1	6.40	33.9	ug/kg	10/17/25 13:04	PB170141
37324-23-5	Aroclor-1262	33.9	U	1	10.0	33.9	ug/kg	10/17/25 13:04	PB170141
11100-14-4	Aroclor-1268	33.9	U	1	7.20	33.9	ug/kg	10/17/25 13:04	PB170141
11096-82-5	Aroclor-1260	33.9	U	1	6.40	33.9	ug/kg	10/17/25 13:04	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.7			32 - 144	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			32 - 175	101%	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

Sample Results: **PO114455.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:04
Operator : YP/AJ
Sample : Q3363-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:45:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.352	3.657	115.1E6	94868631	21.204m	23.704
2)	SA Decachlor...	9.937	8.662	73376688	62947994	20.152	18.885m
	Target Compounds						

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

Sample Results: **PO114455.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:04
Operator : YP/AJ
Sample : Q3363-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

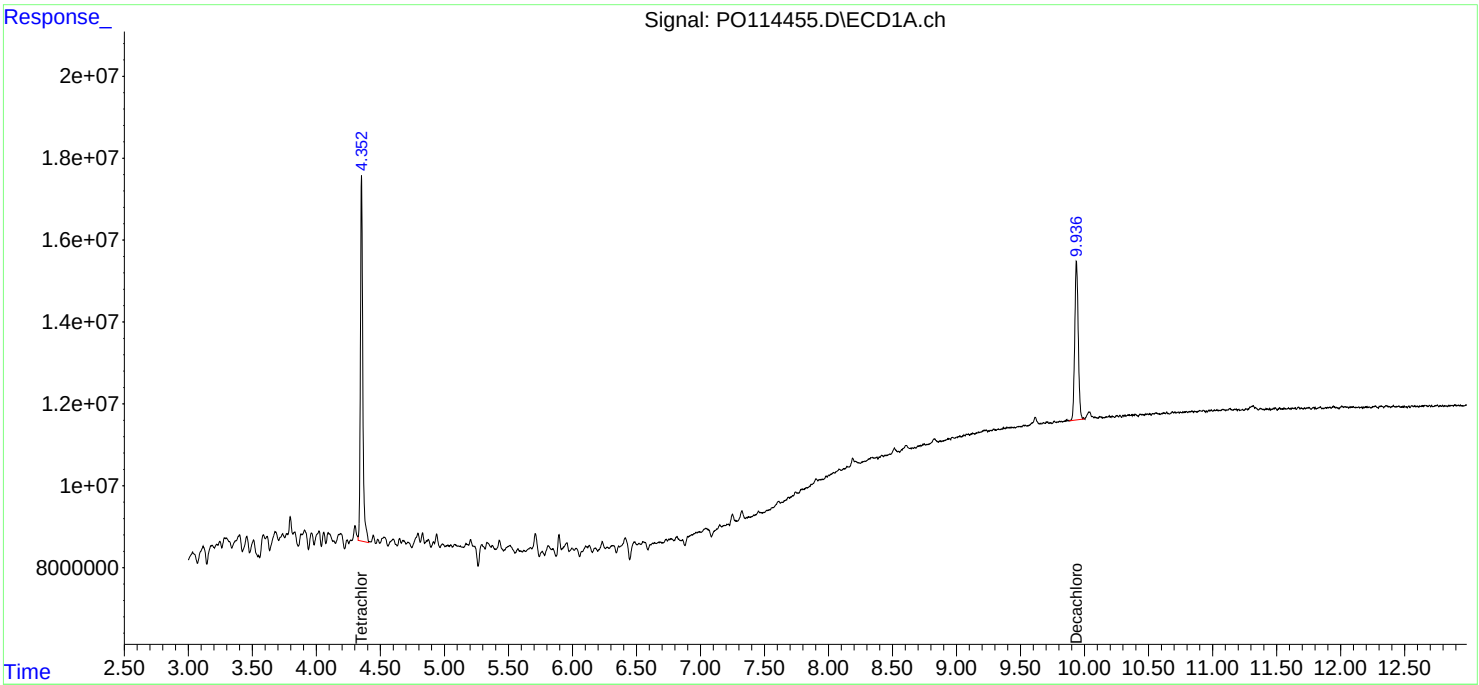
Instrument :
ECD_O
ClientSampleId :
PR132-SO1-085011-20251015

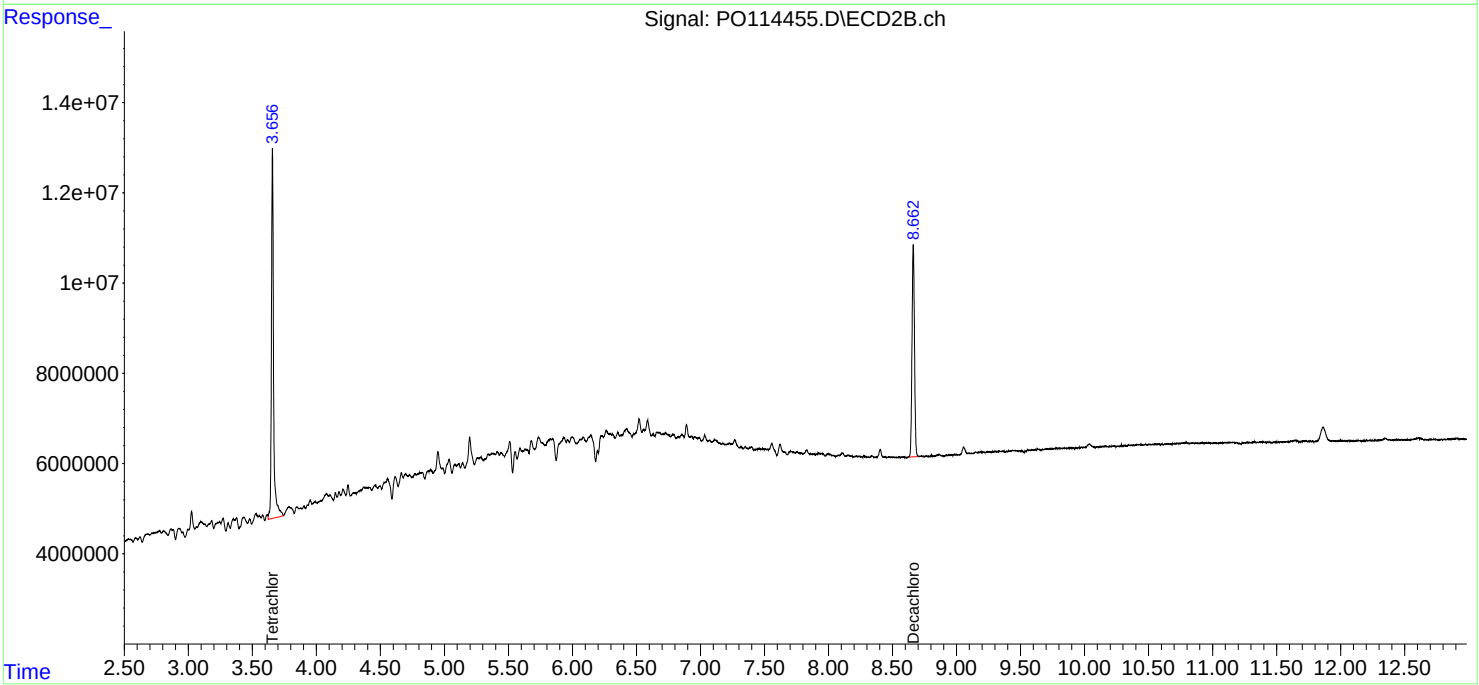
Manual Integrations APPROVED

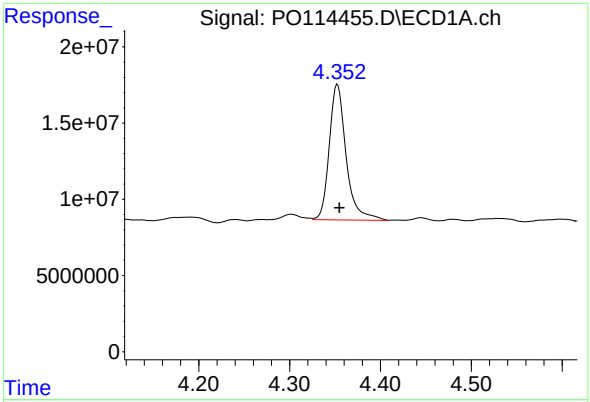
Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:45:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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







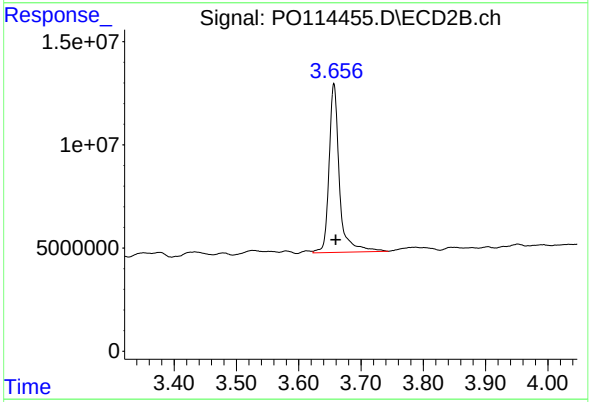
#1 Tetrachloro-m-xylene

R.T.: 4.352 min
Delta R.T.: -0.003 min
Response: 115115974
Conc: 21.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
PR132-SO1-085011-20251015

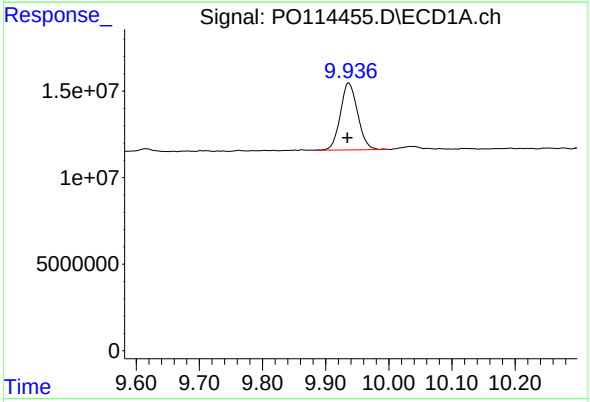
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



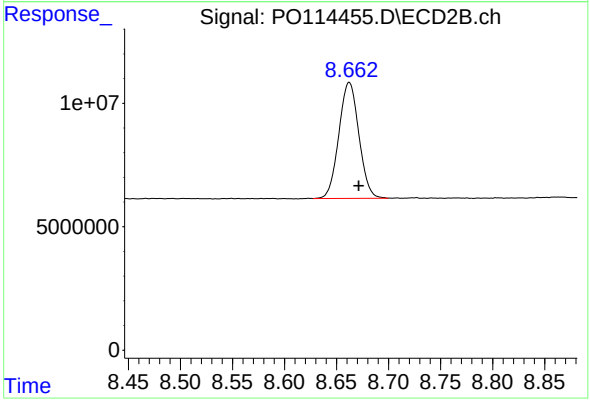
#1 Tetrachloro-m-xylene

R.T.: 3.657 min
Delta R.T.: -0.003 min
Response: 94868631
Conc: 23.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.937 min
Delta R.T.: 0.002 min
Response: 73376688
Conc: 20.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.662 min
Delta R.T.: -0.010 min
Response: 62947994
Conc: 18.89 ng/ml m

Raw Data: **PP075861.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	56.6
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.0	U	1	7.00	30.0	ug/kg	10/17/25 19:33	PB170141
11104-28-2	Aroclor-1221	30.0	U	1	7.10	30.0	ug/kg	10/17/25 19:33	PB170141
11141-16-5	Aroclor-1232	30.0	U	1	6.60	30.0	ug/kg	10/17/25 19:33	PB170141
53469-21-9	Aroclor-1242	161		1	7.10	30.0	ug/kg	10/17/25 19:33	PB170141
12672-29-6	Aroclor-1248	30.0	U	1	10.4	30.0	ug/kg	10/17/25 19:33	PB170141
11097-69-1	Aroclor-1254	109		1	5.70	30.0	ug/kg	10/17/25 19:33	PB170141
37324-23-5	Aroclor-1262	30.0	U	1	8.90	30.0	ug/kg	10/17/25 19:33	PB170141
11100-14-4	Aroclor-1268	30.0	U	1	6.40	30.0	ug/kg	10/17/25 19:33	PB170141
11096-82-5	Aroclor-1260	30.0	U	1	5.70	30.0	ug/kg	10/17/25 19:33	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.9			32 - 144	114%	SPK: 20		
2051-24-3	Decachlorobiphenyl	11.1			32 - 175	56%	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

Sample Results: **PP075861.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 19:33
Operator : YP\AJ
Sample : Q3363-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:08:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.652	3.789	17307023	22818240	13.227	3.740m#
2)	SA Decachlor...	10.429	8.792	11094321	55830205	11.122	9.255
	Target Compounds						

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

Sample Results: **PP075861.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 19:33
Operator : YP\AJ
Sample : Q3363-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

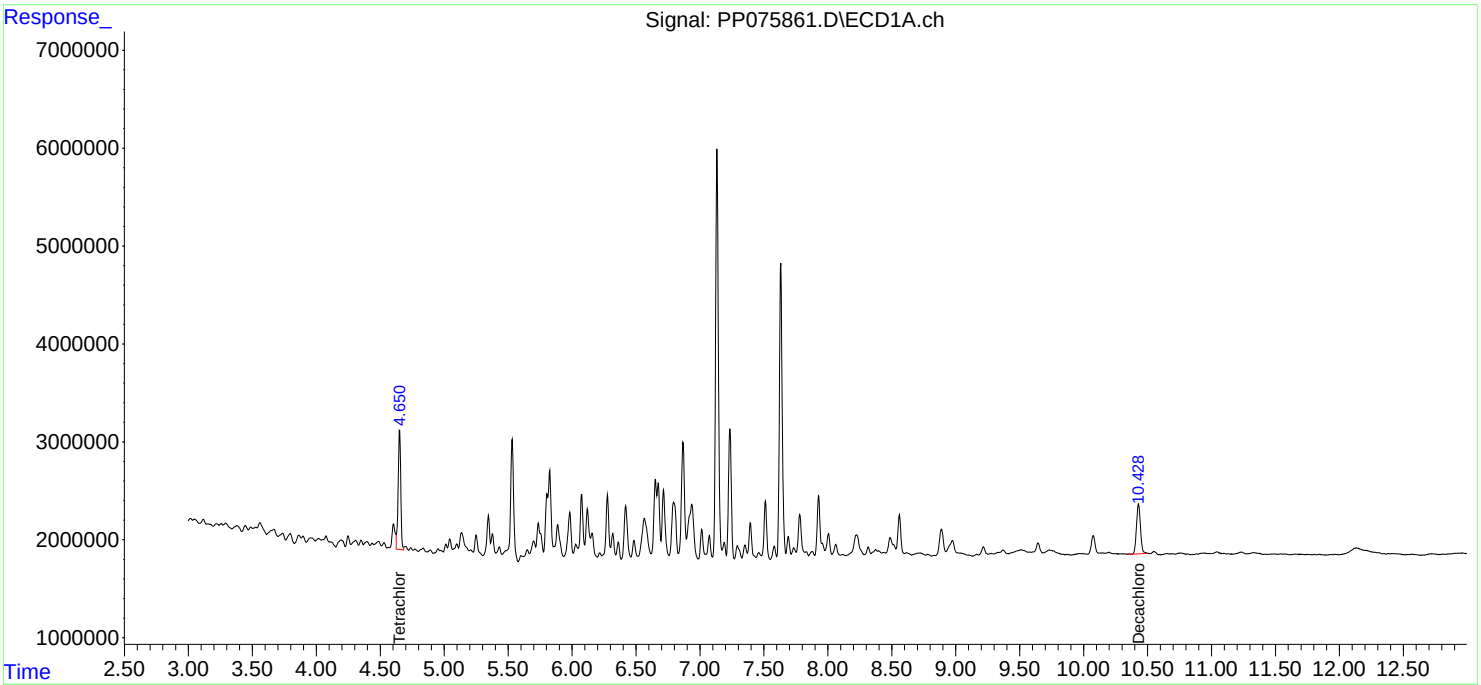
Instrument :
ECD_P
ClientSampleId :
PR132-SO1-039085-20251015

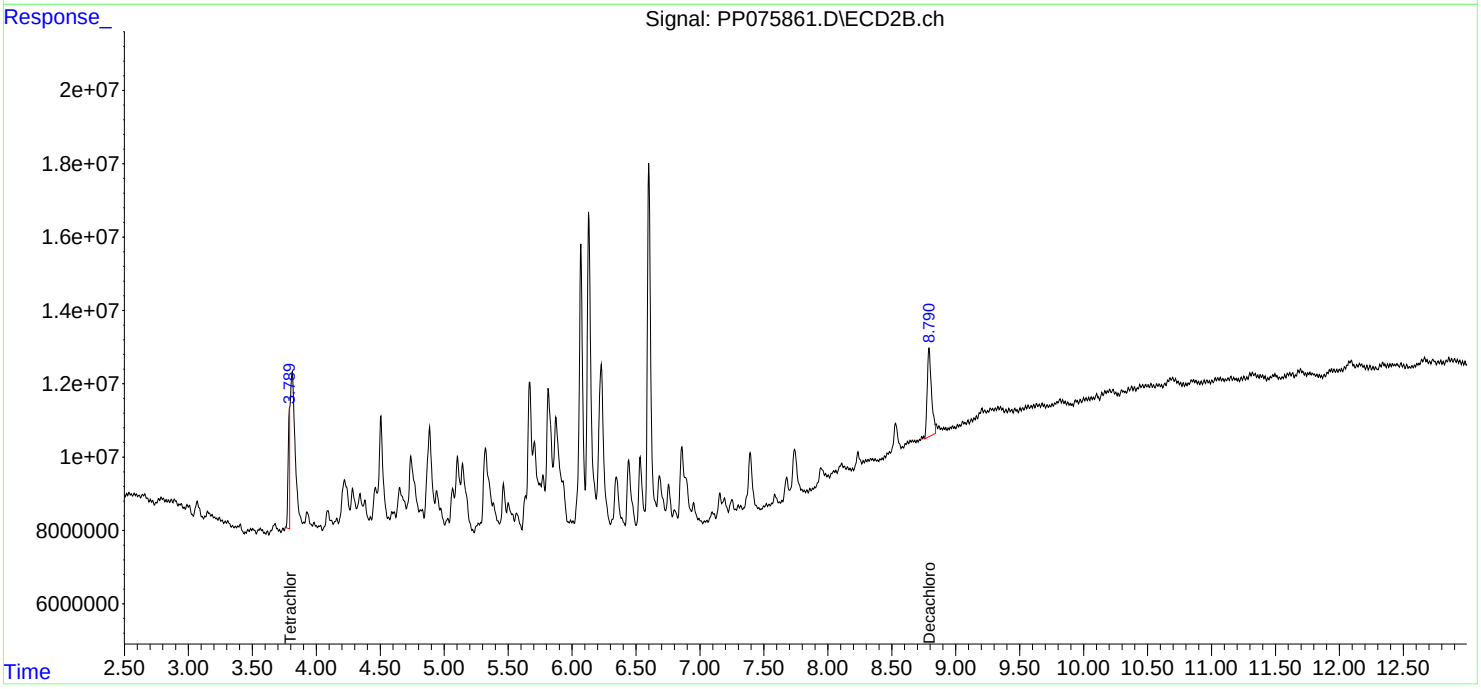
Manual Integrations APPROVED

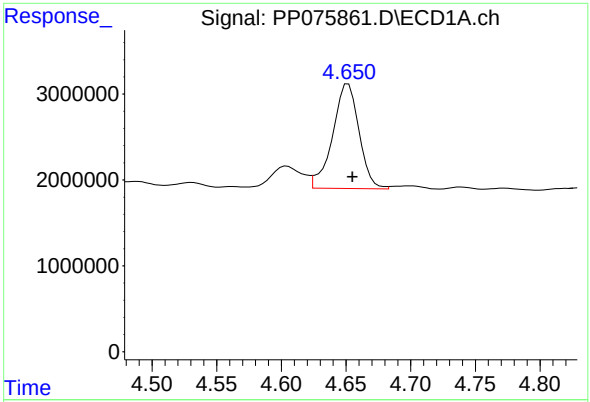
Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:08:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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







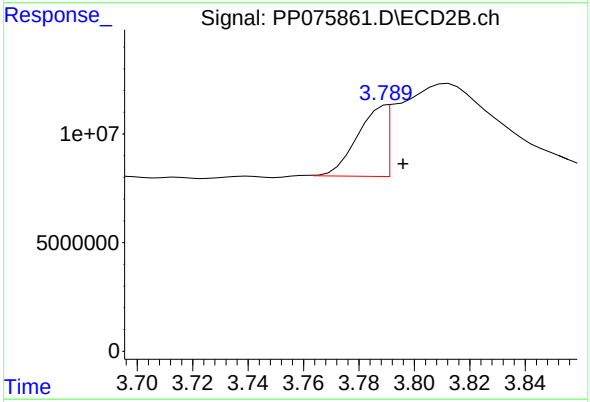
#1 Tetrachloro-m-xylene

R.T.: 4.652 min
Delta R.T.: -0.003 min
Response: 17307023
Conc: 13.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
PR132-SO1-039085-20251015

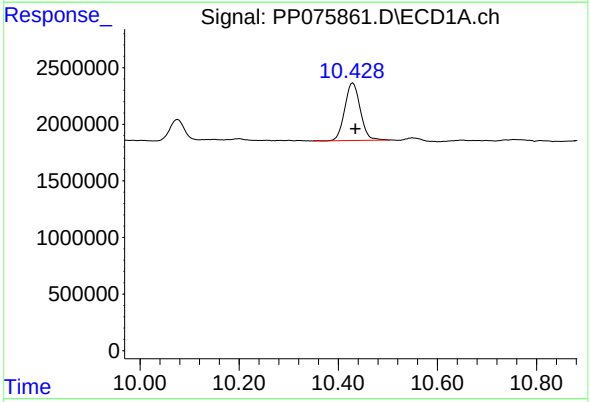
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



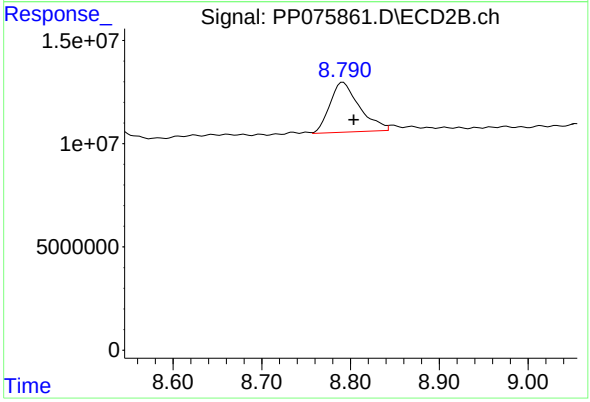
#1 Tetrachloro-m-xylene

R.T.: 3.789 min
Delta R.T.: -0.007 min
Response: 22818240
Conc: 3.74 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.429 min
Delta R.T.: -0.005 min
Response: 11094321
Conc: 11.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.792 min
Delta R.T.: -0.012 min
Response: 55830205
Conc: 9.25 ng/ml

Raw Data: **PO114457.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	54.8
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.9	U	1	7.20	30.9	ug/kg	10/17/25 13:41	PB170141
11104-28-2	Aroclor-1221	30.9	U	1	7.30	30.9	ug/kg	10/17/25 13:41	PB170141
11141-16-5	Aroclor-1232	30.9	U	1	6.80	30.9	ug/kg	10/17/25 13:41	PB170141
53469-21-9	Aroclor-1242	66.4		1	7.30	30.9	ug/kg	10/17/25 13:41	PB170141
12672-29-6	Aroclor-1248	30.9	U	1	10.8	30.9	ug/kg	10/17/25 13:41	PB170141
11097-69-1	Aroclor-1254	30.3	J	1	5.80	30.9	ug/kg	10/17/25 13:41	PB170141
37324-23-5	Aroclor-1262	30.9	U	1	9.10	30.9	ug/kg	10/17/25 13:41	PB170141
11100-14-4	Aroclor-1268	30.9	U	1	6.60	30.9	ug/kg	10/17/25 13:41	PB170141
11096-82-5	Aroclor-1260	30.9	U	1	5.90	30.9	ug/kg	10/17/25 13:41	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.5			32 - 144	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			32 - 175	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

Sample Results: **PO114457.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:41
Operator : YP/AJ
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 02:02:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 18 06:07:58 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...	4.355	3.658	102.0E6	78131333	18.780m	19.522
2)	SA Decachlor...	9.941	8.663	59537494	50797667	16.351	15.240
	Target Compounds						
16)	L4 AR-1242-1	5.494	4.739	10146677	7403025	77.124	56.679 #
17)	L4 AR-1242-2	5.516	4.759	19974851	12248263	90.980	65.573 #
18)	L4 AR-1242-3	5.578	4.935	9349598	6177537	75.810	64.548
19)	L4 AR-1242-4	5.671	5.018	17834703	7988609	173.837	86.510 #
20)	L4 AR-1242-5	6.399	5.542	14967609	20687831	129.216m	168.797m#
26)	L6 AR-1254-1	6.335	5.542	10098452	20122981	57.886	75.737m#
27)	L6 AR-1254-2	6.552	5.686	13395804	13004393	52.593	54.587m
28)	L6 AR-1254-3	6.918	6.090	22199584	10682987	76.831	30.143m#
29)	L6 AR-1254-4	7.194	6.317	7089213	7369883	29.957	28.548m
30)	L6 AR-1254-5	7.608	6.734	7138286	9759945	32.524m	30.480

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:41
Operator : YP/AJ
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

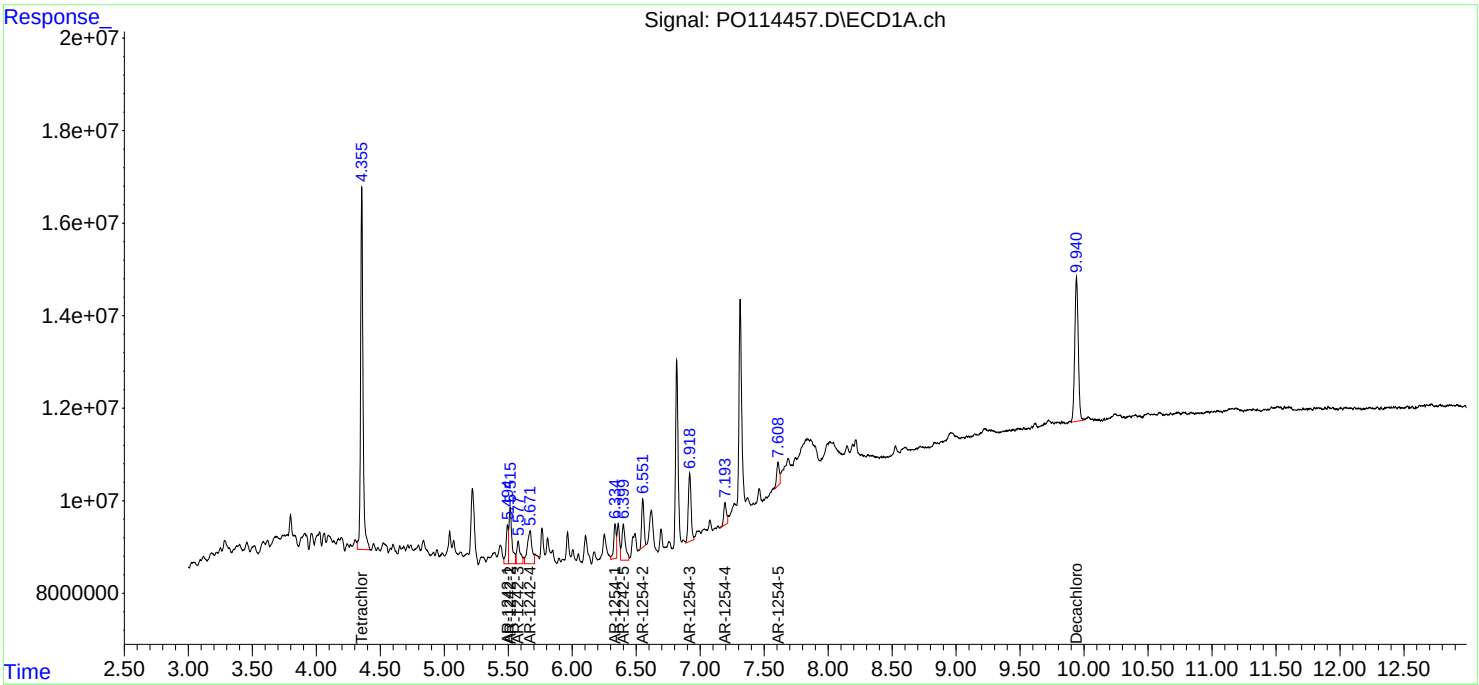
Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

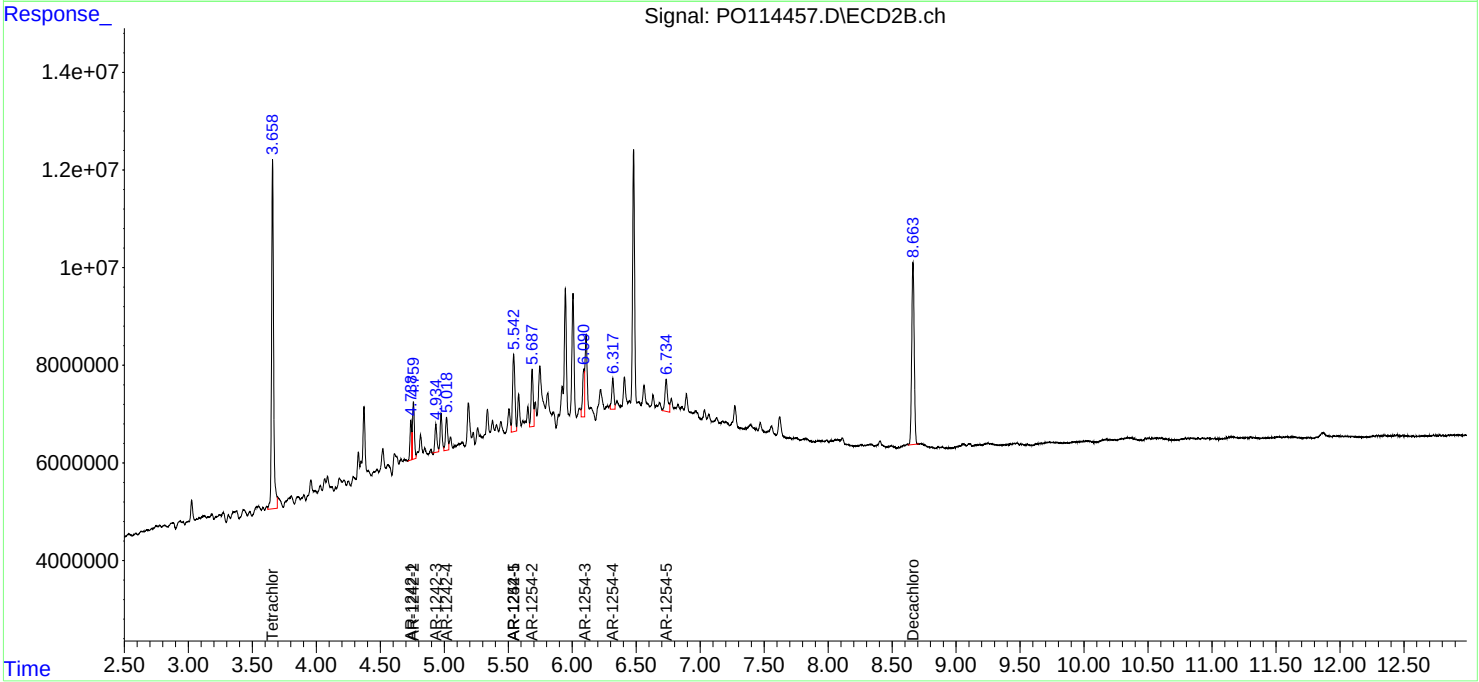
Manual Integrations APPROVED

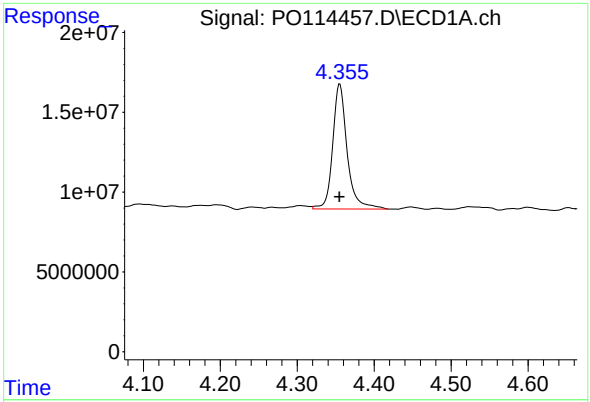
Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 02:02:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 18 06:07:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







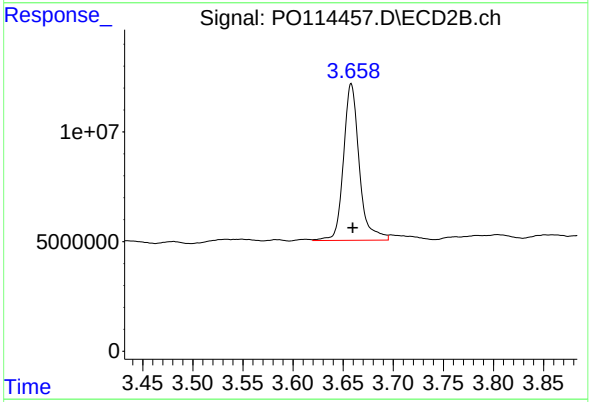
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 101953872
Conc: 18.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

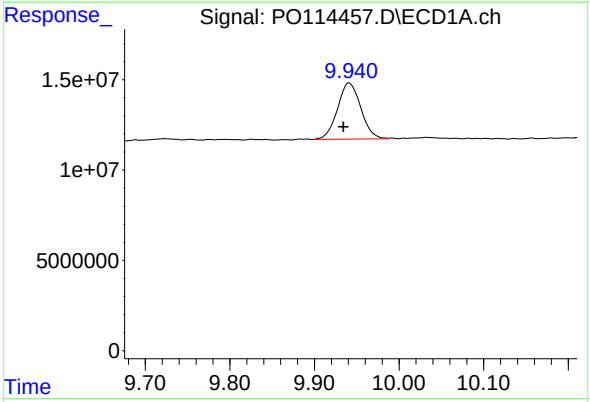
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



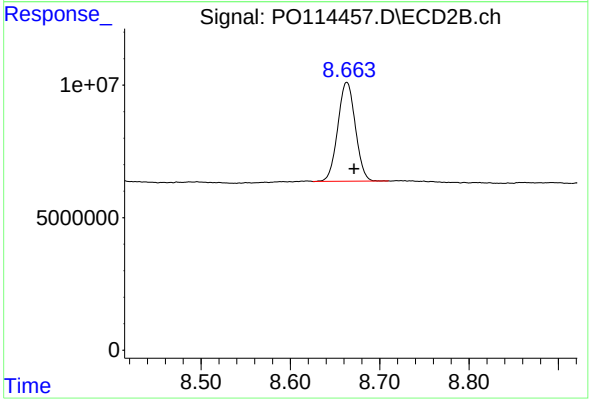
#1 Tetrachloro-m-xylene

R.T.: 3.658 min
Delta R.T.: -0.002 min
Response: 78131333
Conc: 19.52 ng/ml



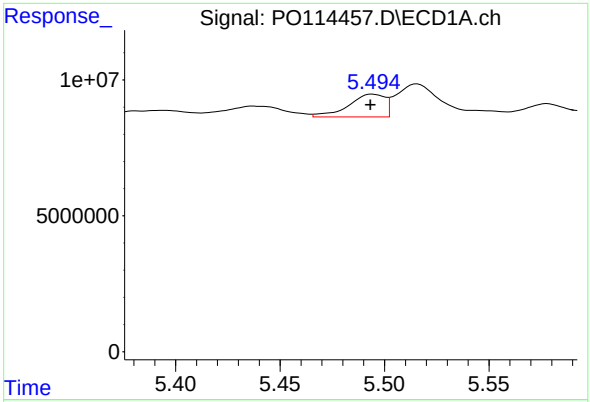
#2 Decachlorobiphenyl

R.T.: 9.941 min
Delta R.T.: 0.007 min
Response: 59537494
Conc: 16.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.663 min
Delta R.T.: -0.008 min
Response: 50797667
Conc: 15.24 ng/ml



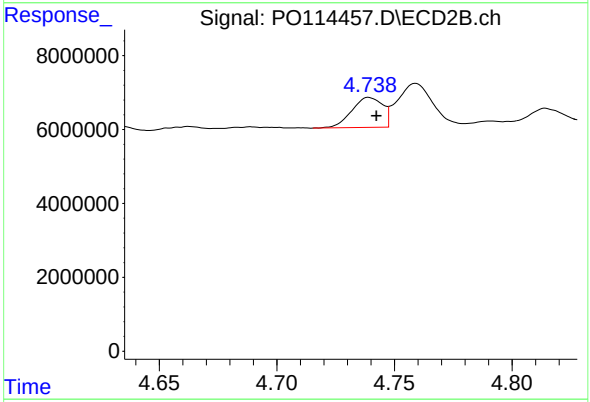
#16 AR-1242-1

R.T.: 5.494 min
Delta R.T.: 0.001 min
Response: 10146677
Conc: 77.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

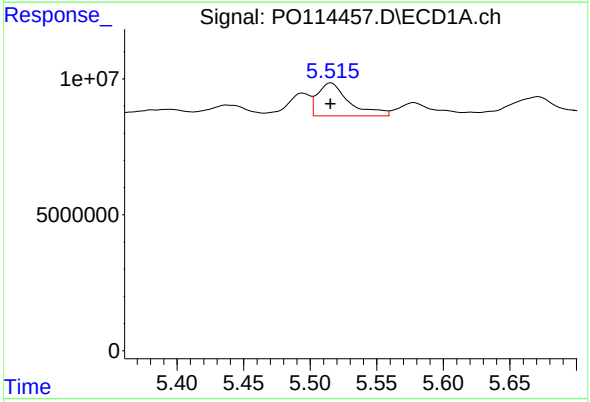
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



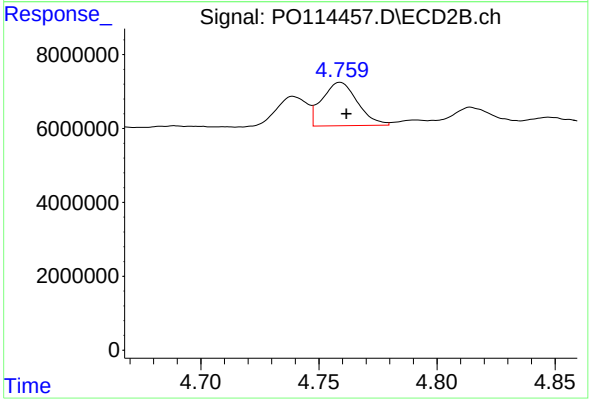
#16 AR-1242-1

R.T.: 4.739 min
Delta R.T.: -0.003 min
Response: 7403025
Conc: 56.68 ng/ml



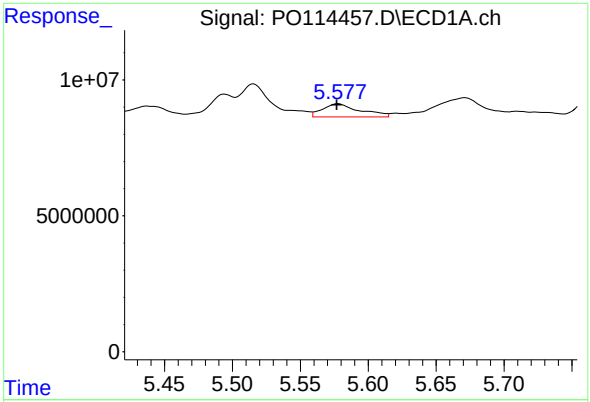
#17 AR-1242-2

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 19974851
Conc: 90.98 ng/ml



#17 AR-1242-2

R.T.: 4.759 min
Delta R.T.: -0.003 min
Response: 12248263
Conc: 65.57 ng/ml



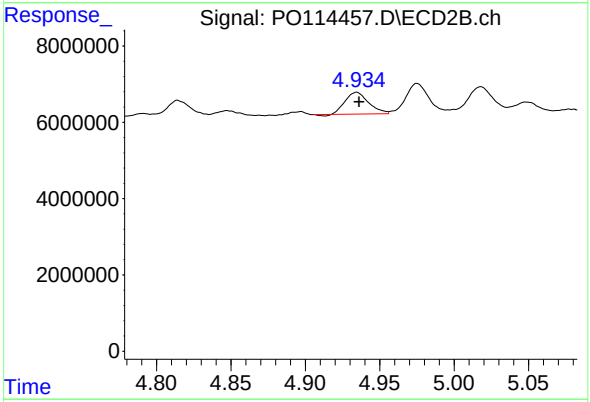
#18 AR-1242-3

R.T.: 5.578 min
Delta R.T.: 0.001 min
Response: 9349598
Conc: 75.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

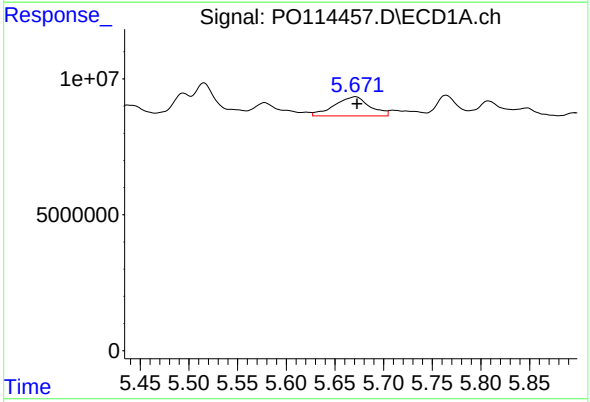
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



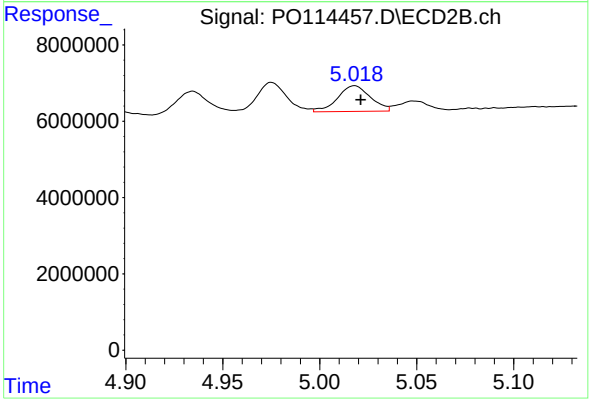
#18 AR-1242-3

R.T.: 4.935 min
Delta R.T.: -0.002 min
Response: 6177537
Conc: 64.55 ng/ml



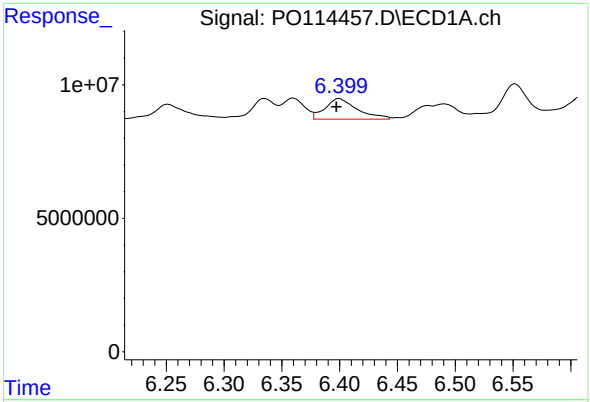
#19 AR-1242-4

R.T.: 5.671 min
Delta R.T.: -0.001 min
Response: 17834703
Conc: 173.84 ng/ml



#19 AR-1242-4

R.T.: 5.018 min
Delta R.T.: -0.003 min
Response: 7988609
Conc: 86.51 ng/ml



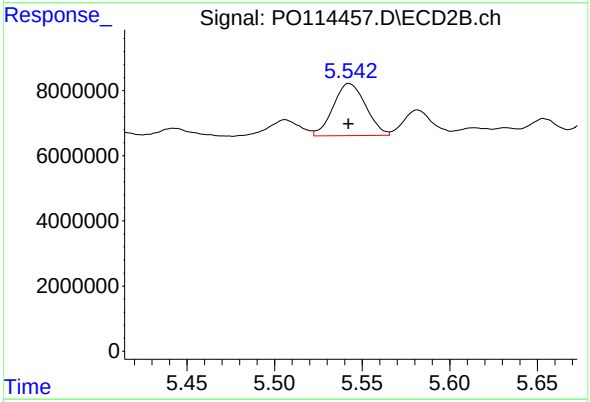
#20 AR-1242-5

R.T.: 6.399 min
Delta R.T.: 0.002 min
Response: 14967609
Conc: 129.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

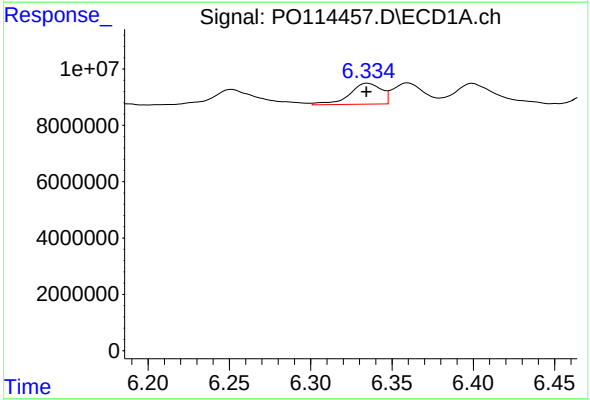
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



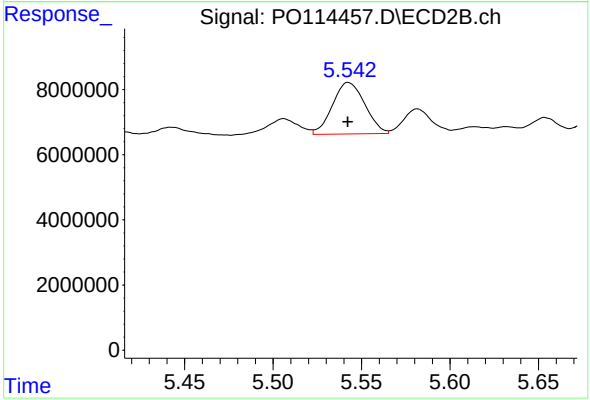
#20 AR-1242-5

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 20687831
Conc: 168.80 ng/ml m



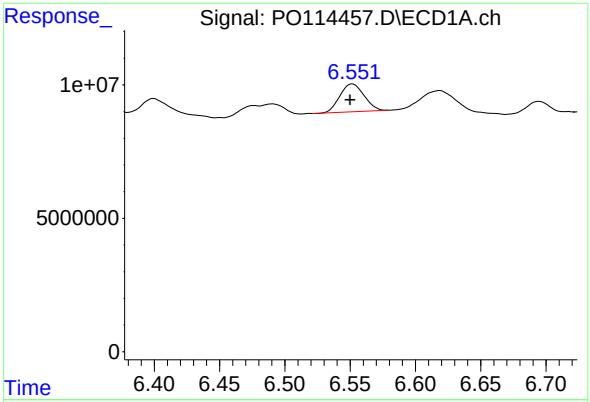
#26 AR-1254-1

R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 10098452
Conc: 57.89 ng/ml



#26 AR-1254-1

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 20122981
Conc: 75.74 ng/ml m



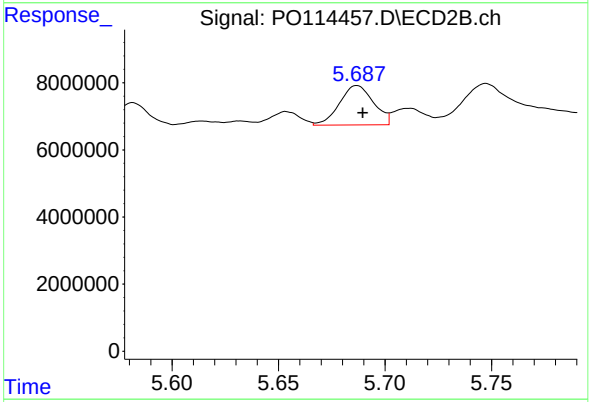
#27 AR-1254-2

R.T.: 6.552 min
Delta R.T.: 0.002 min
Response: 13395804
Conc: 52.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

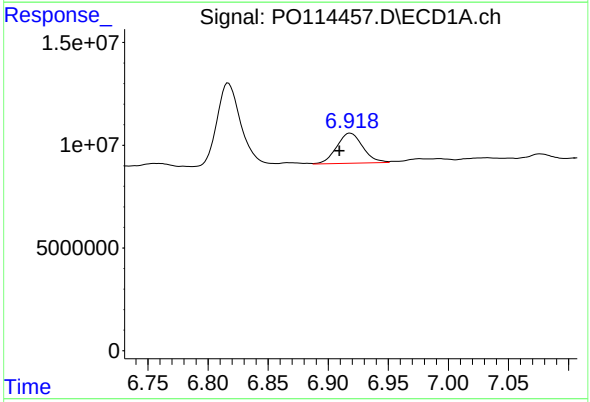
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



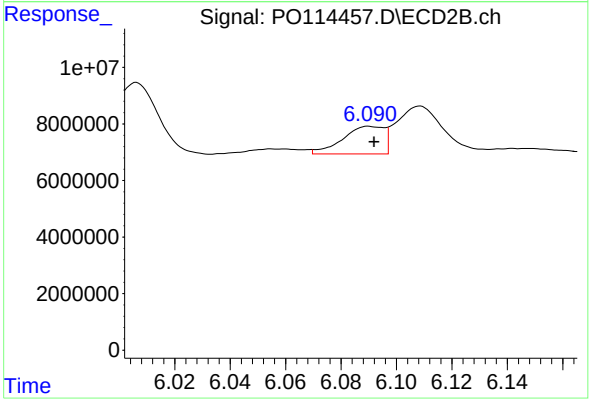
#27 AR-1254-2

R.T.: 5.686 min
Delta R.T.: -0.003 min
Response: 13004393
Conc: 54.59 ng/ml m



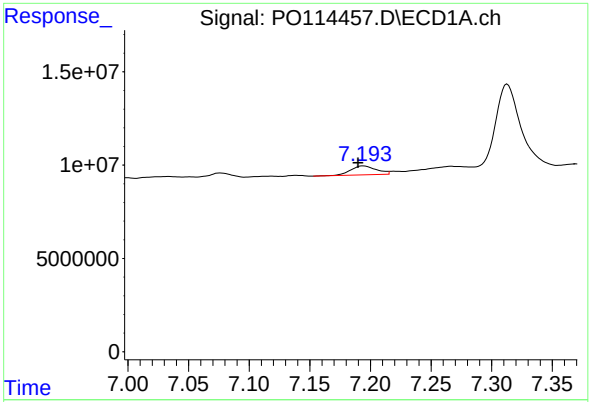
#28 AR-1254-3

R.T.: 6.918 min
Delta R.T.: 0.009 min
Response: 22199584
Conc: 76.83 ng/ml



#28 AR-1254-3

R.T.: 6.090 min
Delta R.T.: -0.002 min
Response: 10682987
Conc: 30.14 ng/ml m



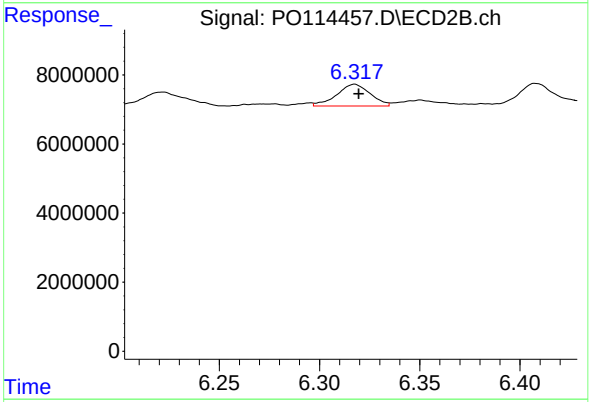
#29 AR-1254-4

R.T.: 7.194 min
Delta R.T.: 0.004 min
Response: 7089213
Conc: 29.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
PR132-SO3-028010-20251015

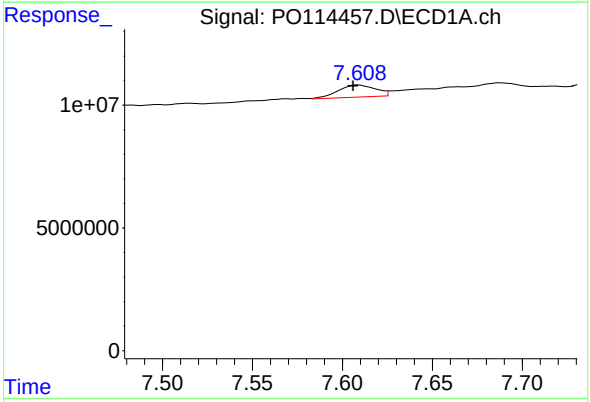
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



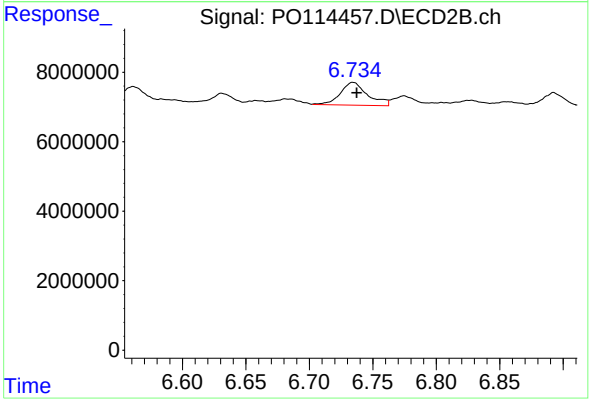
#29 AR-1254-4

R.T.: 6.317 min
Delta R.T.: -0.002 min
Response: 7369883
Conc: 28.55 ng/ml m



#30 AR-1254-5

R.T.: 7.608 min
Delta R.T.: 0.002 min
Response: 7138286
Conc: 32.52 ng/ml m



#30 AR-1254-5

R.T.: 6.734 min
Delta R.T.: -0.003 min
Response: 9759945
Conc: 30.48 ng/ml

Raw Data: **PP075840.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	51.5
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	33.0	U	1	7.70	33.0	ug/kg	10/17/25 12:26	PB170141
11104-28-2	Aroclor-1221	33.0	U	1	7.80	33.0	ug/kg	10/17/25 12:26	PB170141
11141-16-5	Aroclor-1232	33.0	U	1	7.20	33.0	ug/kg	10/17/25 12:26	PB170141
53469-21-9	Aroclor-1242	33.0	U	1	7.80	33.0	ug/kg	10/17/25 12:26	PB170141
12672-29-6	Aroclor-1248	33.0	U	1	11.5	33.0	ug/kg	10/17/25 12:26	PB170141
11097-69-1	Aroclor-1254	33.0	U	1	6.20	33.0	ug/kg	10/17/25 12:26	PB170141
37324-23-5	Aroclor-1262	33.0	U	1	9.70	33.0	ug/kg	10/17/25 12:26	PB170141
11100-14-4	Aroclor-1268	33.0	U	1	7.00	33.0	ug/kg	10/17/25 12:26	PB170141
11096-82-5	Aroclor-1260	33.0	U	1	6.30	33.0	ug/kg	10/17/25 12:26	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.2			32 - 144	111%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.4			32 - 175	77%	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

Sample Results: **PP075840.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:26
Operator : YP\AJ
Sample : Q3363-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PR132-SO3-010013-20251015

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:10:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.651	3.788	24725522	135.4E6	18.896	22.199
2)	SA Decachlor...	10.432	8.791	14827251	93133446	14.864	15.439
	Target Compounds						

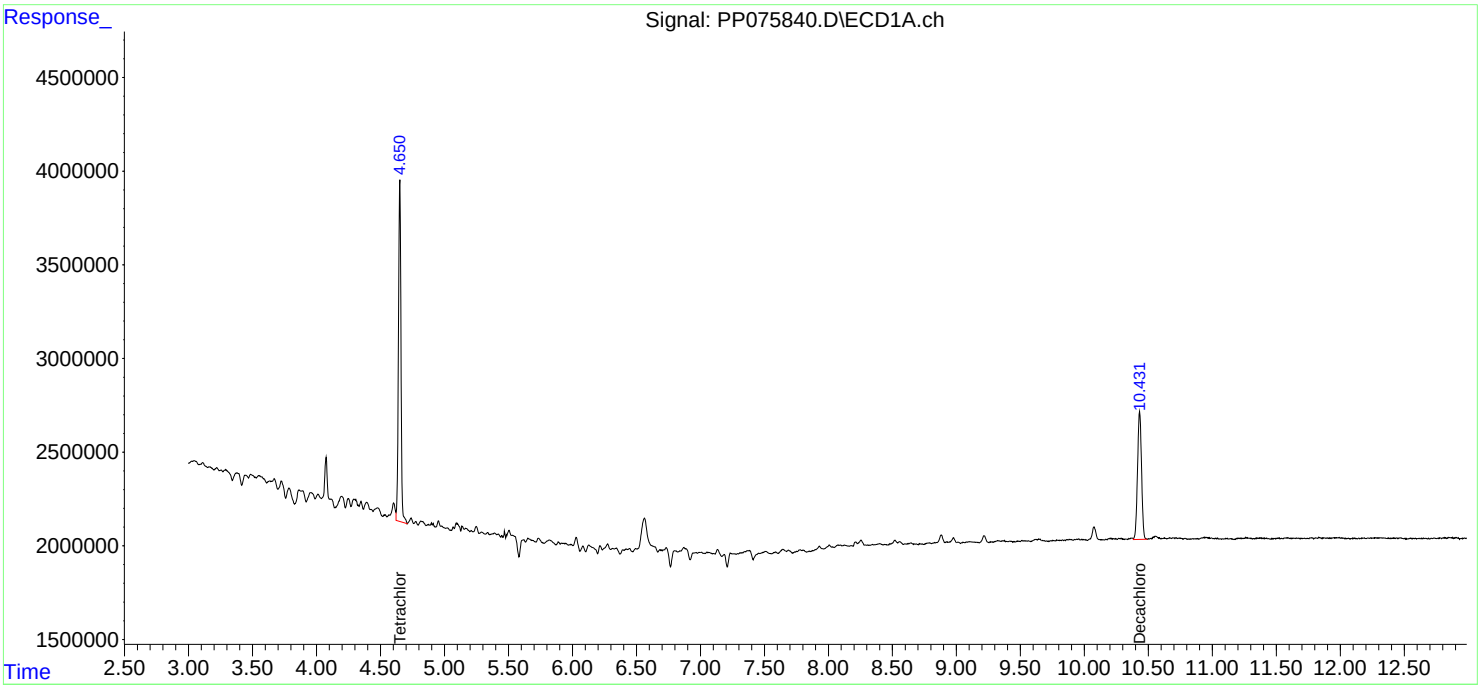
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

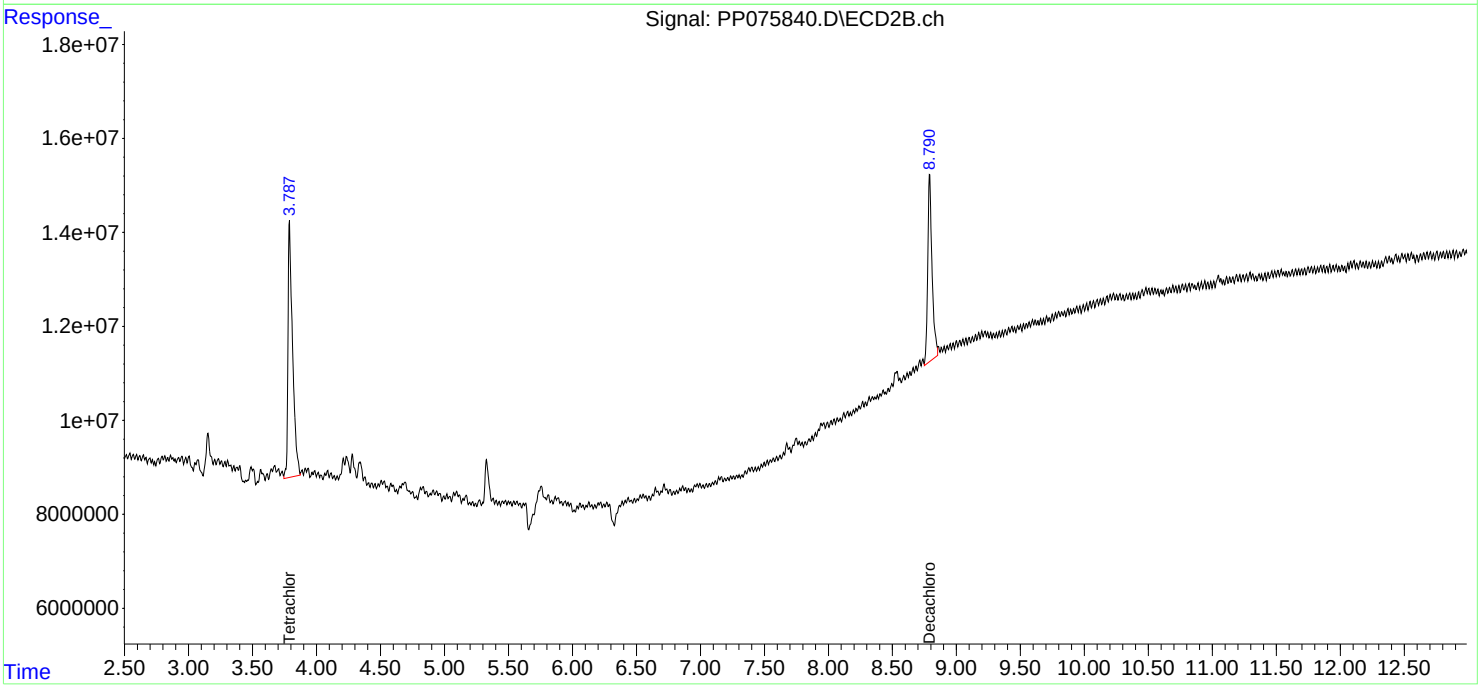
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:26
Operator : YP\AJ
Sample : Q3363-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

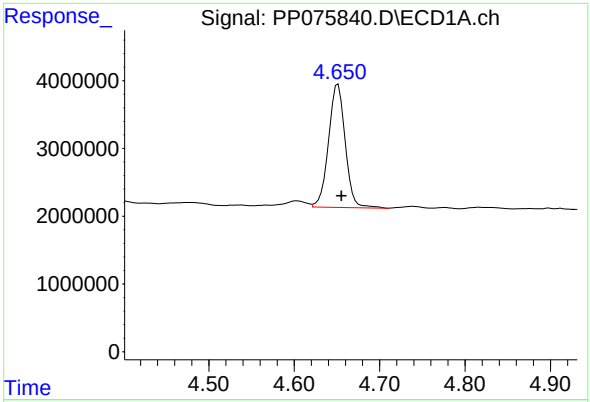
Instrument :
ECD_P
ClientSampleId :
PR132-SO3-010013-20251015

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:10:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



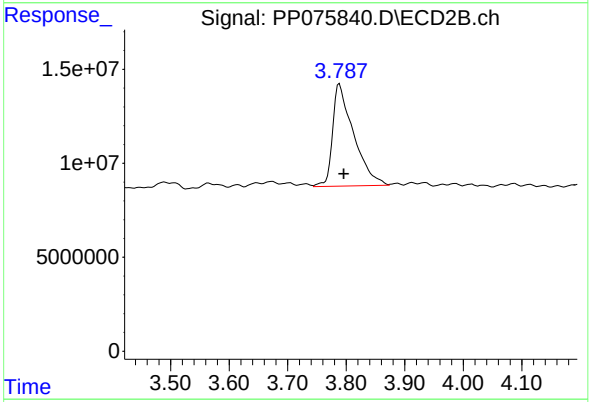




#1 Tetrachloro-m-xylene

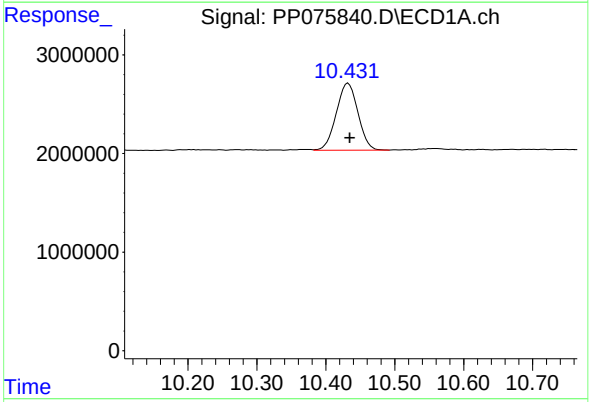
R.T.: 4.651 min
Delta R.T.: -0.004 min
Response: 24725522
Conc: 18.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
PR132-SO3-010013-20251015



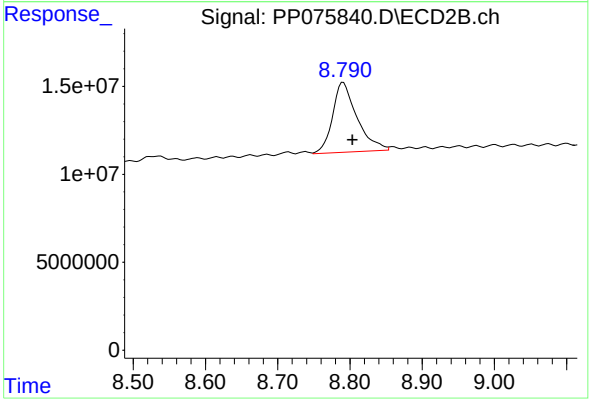
#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.007 min
Response: 135430840
Conc: 22.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.432 min
Delta R.T.: -0.002 min
Response: 14827251
Conc: 14.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.791 min
Delta R.T.: -0.013 min
Response: 93133446
Conc: 15.44 ng/ml

Raw Data: **PP075841.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	55.4
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.6	U	1	7.10	30.6	ug/kg	10/17/25 12:42	PB170141
11104-28-2	Aroclor-1221	30.6	U	1	7.30	30.6	ug/kg	10/17/25 12:42	PB170141
11141-16-5	Aroclor-1232	30.6	U	1	6.70	30.6	ug/kg	10/17/25 12:42	PB170141
53469-21-9	Aroclor-1242	30.6	U	1	7.20	30.6	ug/kg	10/17/25 12:42	PB170141
12672-29-6	Aroclor-1248	30.6	U	1	10.7	30.6	ug/kg	10/17/25 12:42	PB170141
11097-69-1	Aroclor-1254	30.6	U	1	5.80	30.6	ug/kg	10/17/25 12:42	PB170141
37324-23-5	Aroclor-1262	30.6	U	1	9.00	30.6	ug/kg	10/17/25 12:42	PB170141
11100-14-4	Aroclor-1268	30.6	U	1	6.50	30.6	ug/kg	10/17/25 12:42	PB170141
11096-82-5	Aroclor-1260	30.6	U	1	5.80	30.6	ug/kg	10/17/25 12:42	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.8			32 - 144	109%	SPK: 20		
2051-24-3	Decachlorobiphenyl	11.5			32 - 175	58%	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

Sample Results: **PP075841.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075841.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:42
Operator : YP\AJ
Sample : Q3363-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
COMP01-20251015

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:21:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.648	3.787	27293383	133.2E6	20.859	21.830
2)	SA Decachlor...	10.428	8.789	11361488	69633595	11.389	11.543
	Target Compounds						

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

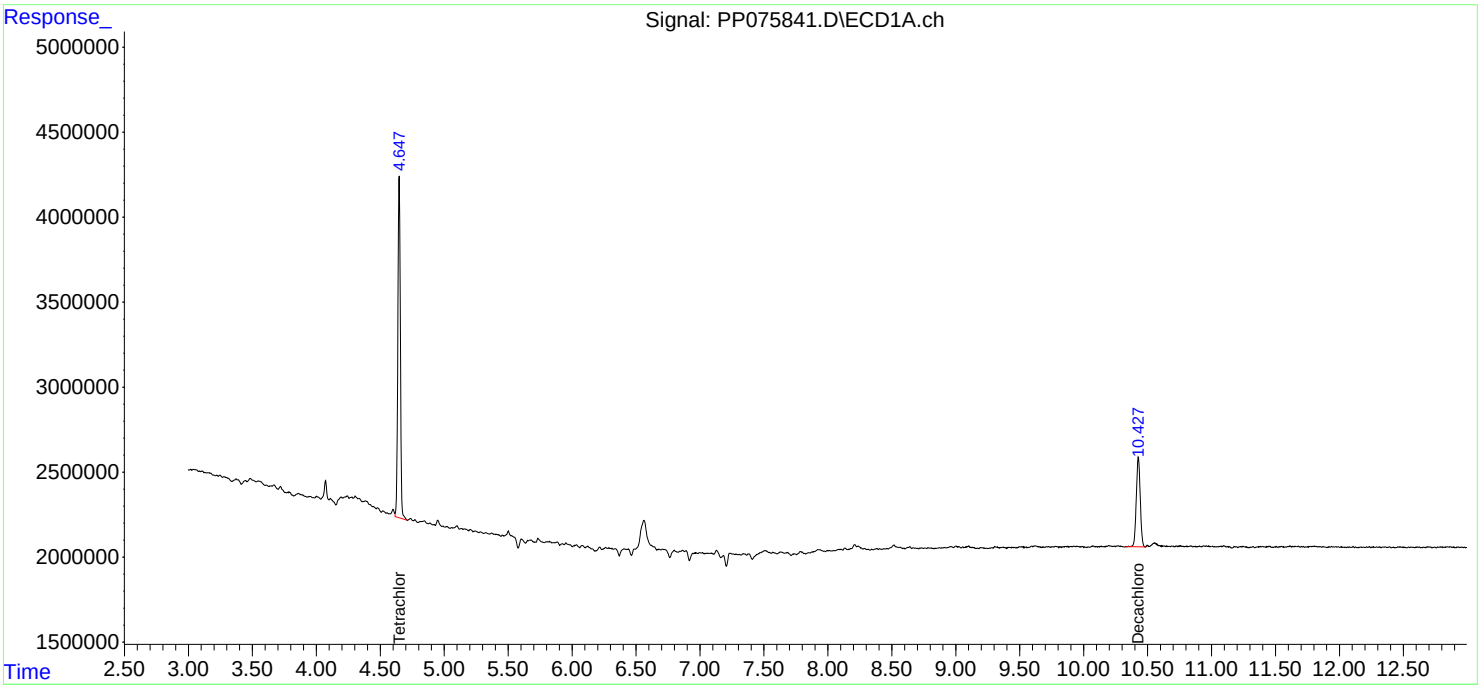
Sample Results: **PP075841.D**

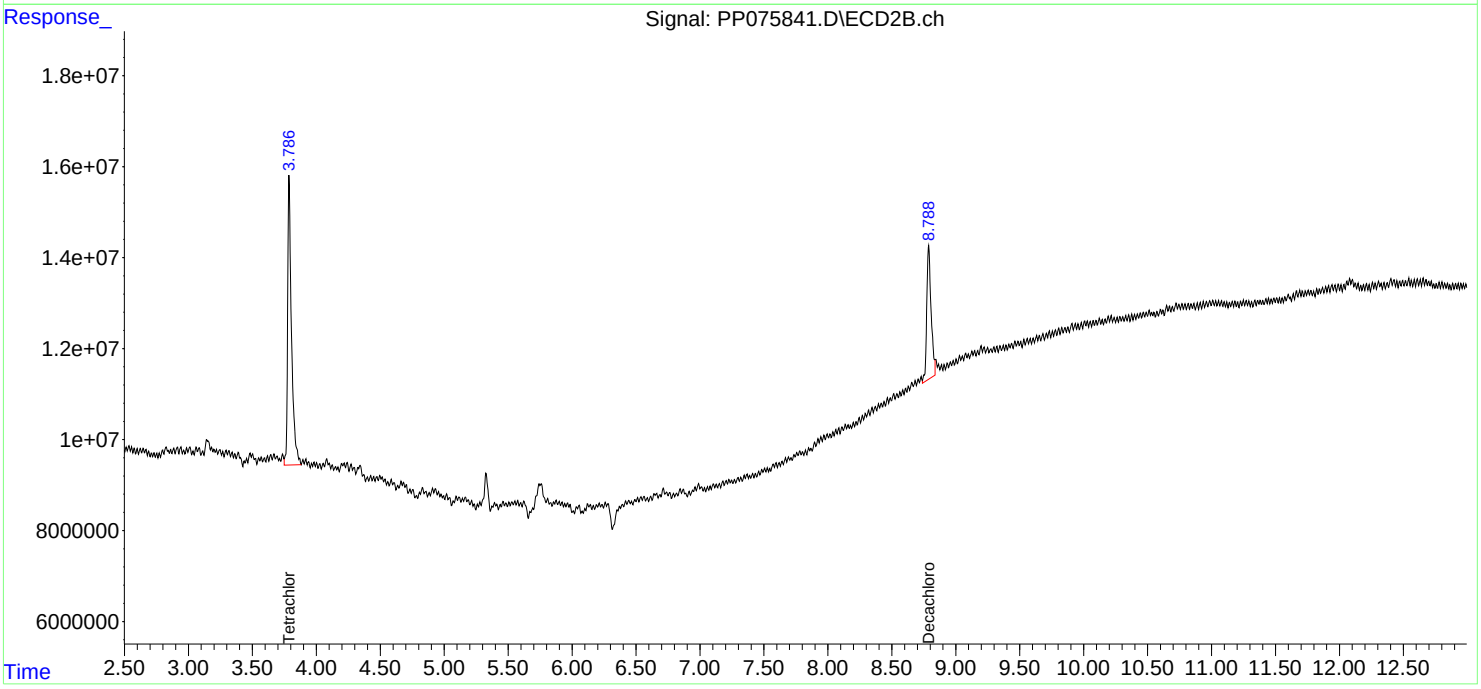
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075841.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:42
Operator : YP\AJ
Sample : Q3363-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

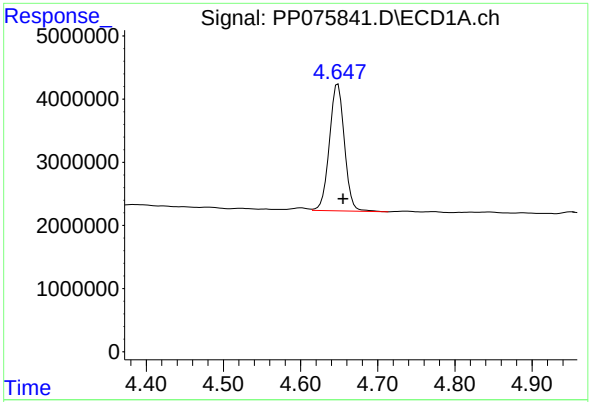
Instrument :
ECD_P
ClientSampleId :
COMP01-20251015

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:21:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



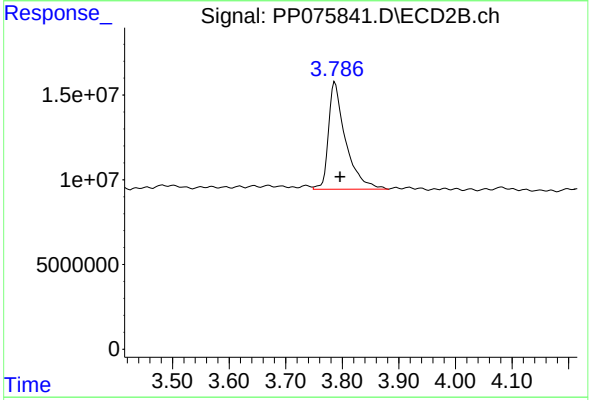




#1 Tetrachloro-m-xylene

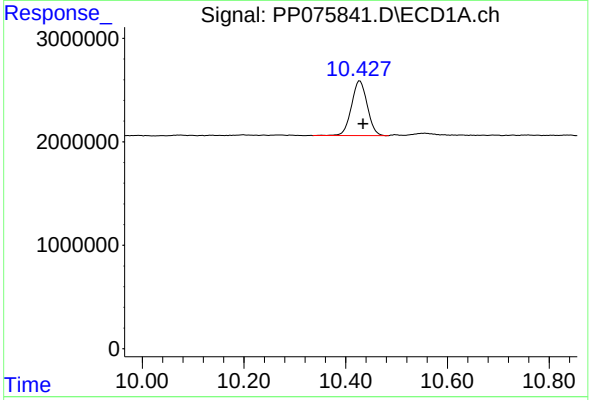
R.T.: 4.648 min
Delta R.T.: -0.007 min
Response: 27293383
Conc: 20.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
COMP01-20251015



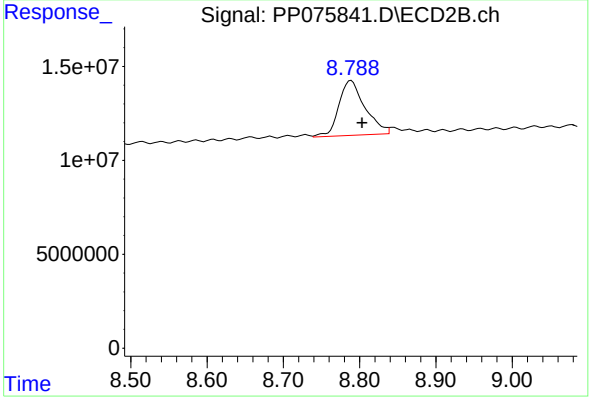
#1 Tetrachloro-m-xylene

R.T.: 3.787 min
Delta R.T.: -0.009 min
Response: 133179696
Conc: 21.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.428 min
Delta R.T.: -0.006 min
Response: 11361488
Conc: 11.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.789 min
Delta R.T.: -0.015 min
Response: 69633595
Conc: 11.54 ng/ml

CALIBRATION SUMMARY

Raw Data

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Calibration Date(s):** 10/09/2025 10/09/2025

Calibration Times: 14:14 22:29

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

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D

RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1016-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1016-3	(3)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1016-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-5	(5)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1260-1	(1)	7.08	7.08	7.08	7.08	7.07	7.08	6.98	7.18
Aroclor-1260-2	(2)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Aroclor-1260-3	(3)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1260-4	(4)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1260-5	(5)	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1242-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1242-2	(2)	5.51	5.51	5.52	5.51	5.51	5.51	5.41	5.61
Aroclor-1242-3	(3)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1242-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1248-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1248-2	(2)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1248-3	(3)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1248-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1254-1	(1)	6.34	6.34	6.33	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1254-3	(3)	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Aroclor-1254-4	(4)	7.19	7.19	7.19	7.19	7.19	7.19	7.09	7.29
Aroclor-1254-5	(5)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1268-1	(1)	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
Aroclor-1268-2	(2)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-3	(3)	8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Aroclor-1268-4	(4)	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Aroclor-1268-5	(5)	9.61	9.61	9.61	9.61	9.61	9.61	9.51	9.71

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46

Raw Data

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Calibration Date(s):** 10/09/2025 10/09/2025

Calibration Times: 14:14 22:29

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

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D

RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1016-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-4	(4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5	(5)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-1	(1)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1260-2	(2)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-3	(3)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-4	(4)	7.04	7.04	7.04	7.04	7.04	7.04	6.94	7.14
Aroclor-1260-5	(5)	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-3	(3)	6.09	6.09	6.09	6.09	6.09	6.09	5.99	6.19
Aroclor-1254-4	(4)	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Aroclor-1254-5	(5)	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
Aroclor-1268-2	(2)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1268-4	(4)	8.12	8.12	8.12	8.12	8.12	8.12	8.02	8.22
Aroclor-1268-5	(5)	8.41	8.41	8.41	8.41	8.41	8.41	8.31	8.51

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Calibration Date(s):** 10/09/2025 10/09/2025

Calibration Times: 14:14 22:29

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

LAB FILE ID: **CF 1000 =** PO114313.D **CF 750 =** PO114314.D

CF 500 = PO114315.D **CF 250 =** PO114316.D **CF 050 =** PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	174192886	179895124	183856868	183322864	180520760	180357700	2
Aroclor-1016-2	(2)	293939915	305561101	305220730	315140900	301624180	304297365	3
Aroclor-1016-3	(3)	165633600	172668037	174260432	182505220	189193940	176852246	5
Aroclor-1016-4	(4)	134425999	138097755	140122574	142368188	132758060	137554515	3
Aroclor-1016-5	(5)	123446822	127769624	128908938	130194584	121008000	126265594	3
Aroclor-1260-1	(1)	213791672	221280347	222839010	218586200	213158120	217931070	2
Aroclor-1260-2	(2)	302622462	312056085	309594538	307167896	311081240	308504444	1
Aroclor-1260-3	(3)	259467311	268042008	265717042	260457100	228668800	256470452	6
Aroclor-1260-4	(4)	230199629	235131995	233767838	232769056	232729060	232919516	1
Aroclor-1260-5	(5)	586428065	605840996	593634282	581137220	533761820	580160477	5
Decachlorobiphenyl		3664039320	3792684880	3728036680	3664938040	3355866400	3641113064	5
Tetrachloro-m-xylene		5506498360	5677498373	5642459220	5552412920	4766000200	5428973815	7
Aroclor-1242-1	(1)	126706434	132179268	135020258	135246300	128666340	131563720	3
Aroclor-1242-2	(2)	212392946	219812959	222351800	226444372	216757700	219551955	2
Aroclor-1242-3	(3)	119144042	124121997	125717214	131545340	116119900	123329699	5
Aroclor-1242-4	(4)	99737299	101870191	102531118	105496736	103337180	102594505	2
Aroclor-1242-5	(5)	103047071	106230547	111781010	123521904	134589100	115833926	11
Decachlorobiphenyl		3803036960	3909619067	3861003240	3833959680	3524921000	3786507989	4
Tetrachloro-m-xylene		5804343740	5928892613	5893981820	5915994040	5454317000	5799505843	3
Aroclor-1248-1	(1)	98567829	102136305	106179528	101725532	83182260	98358291	9
Aroclor-1248-2	(2)	137892609	142528752	146526406	145313792	145562060	143564724	2
Aroclor-1248-3	(3)	151681692	159333787	163420432	159028692	160593320	158811585	3
Aroclor-1248-4	(4)	182190012	190636973	195926736	195051484	215146120	195790265	6
Aroclor-1248-5	(5)	174543681	183607891	190759426	202813192	249246460	200194130	15
Decachlorobiphenyl		3816291730	3937073800	3957474960	3763925080	3735520600	3842057234	3
Tetrachloro-m-xylene		5779379270	6044791093	6117390360	5832290520	5648377200	5884445689	3
Aroclor-1254-1	(1)	171902953	180224452	182326136	179059532	158754700	174453555	6
Aroclor-1254-2	(2)	248603985	257164111	266428592	263066468	238270000	254706631	4
Aroclor-1254-3	(3)	278966197	288101712	293337044	293741552	290556100	288940521	2
Aroclor-1254-4	(4)	232417367	241793461	248310406	242500032	218210100	236646273	5
Aroclor-1254-5	(5)	221022379	230048296	231810568	224607672	189890120	219475807	8
Decachlorobiphenyl		3792373920	3896541893	3936938560	3860958960	3451332800	3787629227	5
Tetrachloro-m-xylene		5822824890	5988302693	6053484060	5960886280	5298842000	5824867985	5
Aroclor-1268-1	(1)	742630944	763047828	755049378	744463164	658875500	732813363	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	632443459	650139448	640918178	630546628	553465960	621502735	6
Aroclor-1268-3	(3)	576556870	593571136	586459800	580217260	523967180	572154449	5
Aroclor-1268-4	(4)	239235256	248654241	247759484	273329844	226227580	247041281	7
Aroclor-1268-5	(5)	1713485078	1761561424	1737860666	1722182616	1634161480	1713850253	3
Decachlorobiphenyl		7124253780	7355062013	7282856320	7142144040	6358111400	7052485511	6
Tetrachloro-m-xylene		6131677880	6338649440	6321767300	6220727560	5845855000	6171735436	3

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Calibration Date(s):** 10/09/2025 10/09/2025

Calibration Times: 14:14 22:29

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

LAB FILE ID: **CF 1000 =** PO114313.D **CF 750 =** PO114314.D

CF 500 = PO114315.D **CF 250 =** PO114316.D **CF 050 =** PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	158257841	168187716	172362186	178585052	164529320	168384423	5
Aroclor-1016-2	(2)	229568804	240612359	245734900	252904664	241358100	242035765	4
Aroclor-1016-3	(3)	119655603	124240307	128221016	131086968	117564320	124153643	5
Aroclor-1016-4	(4)	92316708	96506141	100242646	102698056	90863720	96525454	5
Aroclor-1016-5	(5)	119349433	124629577	128669076	134240076	132389300	127855492	5
Aroclor-1260-1	(1)	215558470	231498535	235626690	245673392	249059400	235483297	6
Aroclor-1260-2	(2)	315603721	330098711	337167224	350489224	338584660	334388708	4
Aroclor-1260-3	(3)	256430713	268520155	278444642	296438324	374872640	294941295	16
Aroclor-1260-4	(4)	211317075	223266731	226148960	232910768	220902880	222909283	4
Aroclor-1260-5	(5)	594775480	624015233	623481606	632255524	590282220	612962013	3
Decachlorobiphenyl		3170001190	3348740240	3399801360	3490868680	3256491400	3333180574	4
Tetrachloro-m-xylene		3928229090	4070663293	4096822280	4116538520	3799017800	4002254197	3
Aroclor-1242-1	(1)	122498620	129064381	131010080	137236660	133254420	130612832	4
Aroclor-1242-2	(2)	175860987	183257420	186752992	191657052	196407220	186787134	4
Aroclor-1242-3	(3)	92492282	96111452	98072652	99600996	92244160	95704308	3
Aroclor-1242-4	(4)	86300671	89905741	92299888	94852936	98359060	92343659	5
Aroclor-1242-5	(5)	113144641	119163080	122745918	127985400	129764100	122560628	6
Decachlorobiphenyl		3517109590	3681723480	3757541820	3835681800	3777005200	3713812378	3
Tetrachloro-m-xylene		4432077070	4412224160	4379772960	4471865640	4248743200	4388936606	2
Aroclor-1248-1	(1)	94570009	99404269	103594360	101758388	93150140	98495433	5
Aroclor-1248-2	(2)	125502158	133300196	137663402	137604864	136198920	134053908	4
Aroclor-1248-3	(3)	130740348	139010419	143306254	142181184	142470360	139541713	4
Aroclor-1248-4	(4)	154697640	163551519	169016486	167510084	167044800	164364106	4
Aroclor-1248-5	(5)	159814127	168355577	173516216	171305900	174900140	169578392	4
Decachlorobiphenyl		3661201490	3833278560	3951800380	3911090520	3937109200	3858896030	3
Tetrachloro-m-xylene		4430508460	4634013587	4677547100	4537709360	4261034200	4508162541	4
Aroclor-1254-1	(1)	247222467	259048601	270361008	279309448	272529160	265694137	5
Aroclor-1254-2	(2)	219192417	228941475	239248508	249551080	254226320	238231960	6
Aroclor-1254-3	(3)	340127494	353950264	366242670	368614488	343101920	354407367	4
Aroclor-1254-4	(4)	246402938	256874435	266498340	267498992	253508600	258156661	3
Aroclor-1254-5	(5)	309302184	322642697	332806976	330987116	305278780	320203551	4
Decachlorobiphenyl		3673134130	3816212200	3925129200	3949127480	3714385800	3815597762	3
Tetrachloro-m-xylene		4426752370	4520704027	4624441060	4560126680	4117729800	4449950787	4
Aroclor-1268-1	(1)	790806319	820672996	823414120	829776224	826084500	818150832	2

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	668389064	693704507	696355354	697040636	678270940	686752100	2
Aroclor-1268-3	(3)	577681654	598471028	600065844	598539168	577278220	590407183	2
Aroclor-1268-4	(4)	233329938	243075305	244332122	245097676	230283080	239223624	3
Aroclor-1268-5	(5)	1599907631	1653346000	1653968404	1645996908	1596574960	1629958781	2
Decachlorobiphenyl		6770675710	7072875573	7158178740	7244610400	7053861200	7060040325	3
Tetrachloro-m-xylene		4643395640	4793601640	4792629120	4749683120	4526037200	4701069344	2

Raw Data

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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.56	4.46	4.66	65029800
		2	4.64	4.54	4.74	45851400
		3	4.71	4.61	4.81	150477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	122061000
		2	5.23	5.13	5.33	54066000
		3	5.52	5.42	5.62	121355000
		4	5.67	5.57	5.77	54031600
		5	5.76	5.66	5.86	37348800
Aroclor-1262	500	1	7.69	7.59	7.79	365212000
		2	8.21	8.11	8.31	604682000
		3	8.52	8.42	8.62	365448000
		4	8.60	8.50	8.70	263614000
		5	9.22	9.12	9.32	214854000

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.87	3.77	3.97	54832000
		2	3.96	3.86	4.06	40465400
		3	4.03	3.93	4.13	128449000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	104652000
		2	4.76	4.66	4.86	102880000
		3	4.94	4.84	5.04	51237200
		4	5.02	4.92	5.12	43634600
		5	5.19	5.09	5.29	48052000
Aroclor-1262	500	1	6.78	6.68	6.88	425654000
		2	7.28	7.18	7.38	673478000
		3	7.56	7.46	7.66	276888000
		4	7.63	7.53	7.73	456530000
		5	8.12	8.02	8.22	210780000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 14:14
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:15:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:08:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.355	3.660	550.6E6	392.8E6	98.781	97.899
2)	SA Decachlor...	9.933	8.672	366.4E6	317.0E6	99.134	96.502
	Target Compounds						
3)	L1 AR-1016-1	5.493	4.743	174.2E6	158.3E6	973.009	957.340
4)	L1 AR-1016-2	5.513	4.762	293.9E6	229.6E6	981.172	965.988
5)	L1 AR-1016-3	5.576	4.937	165.6E6	119.7E6	974.619	965.445
6)	L1 AR-1016-4	5.672	4.980	134.4E6	92316708	979.251	958.839
7)	L1 AR-1016-5	5.962	5.192	123.4E6	119.3E6	978.355	962.424
31)	L7 AR-1260-1	7.075	6.226	213.8E6	215.6E6	979.279	955.521
32)	L7 AR-1260-2	7.328	6.413	302.6E6	315.6E6	988.612	966.966
33)	L7 AR-1260-3	7.685	6.566	259.5E6	256.4E6	988.100	958.843
34)	L7 AR-1260-4	7.906	7.040	230.2E6	211.3E6	992.309	966.096
35)	L7 AR-1260-5	8.213	7.279	586.4E6	594.8E6	993.893	976.437

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

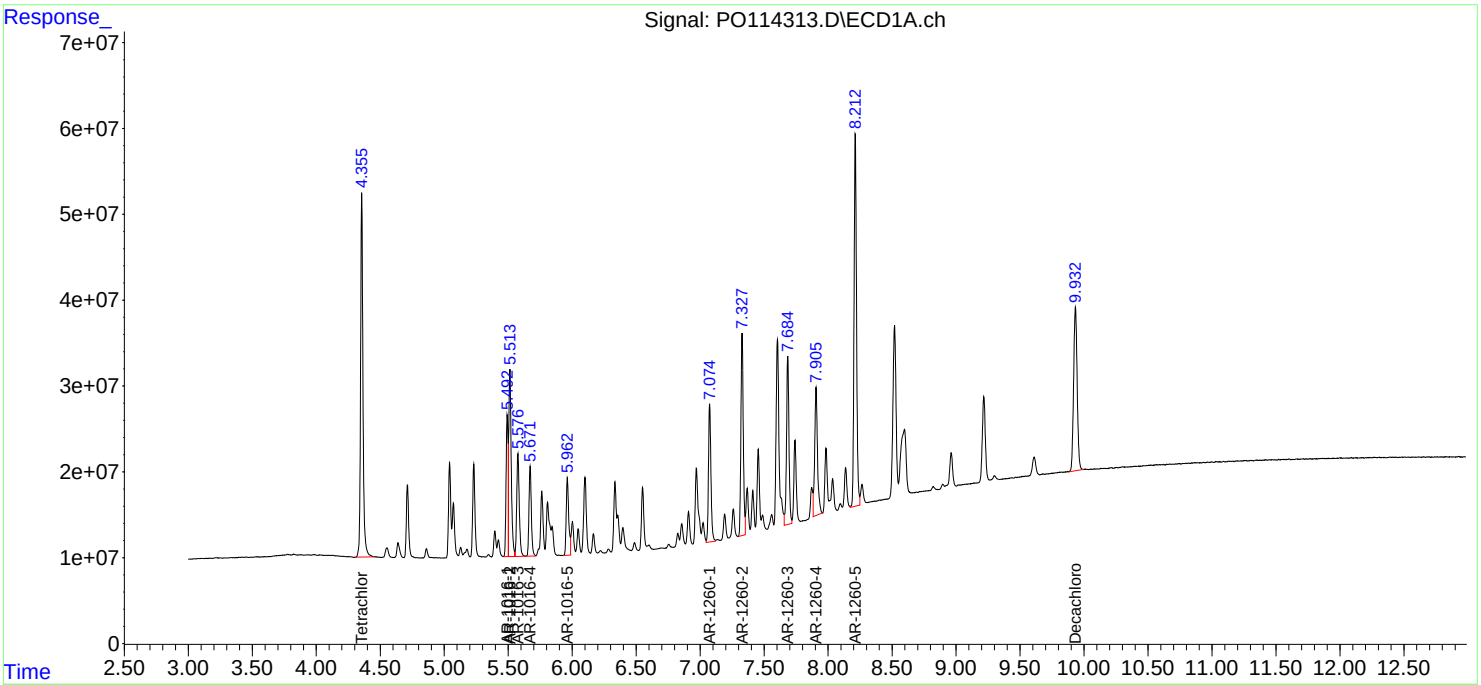
ICAL Form

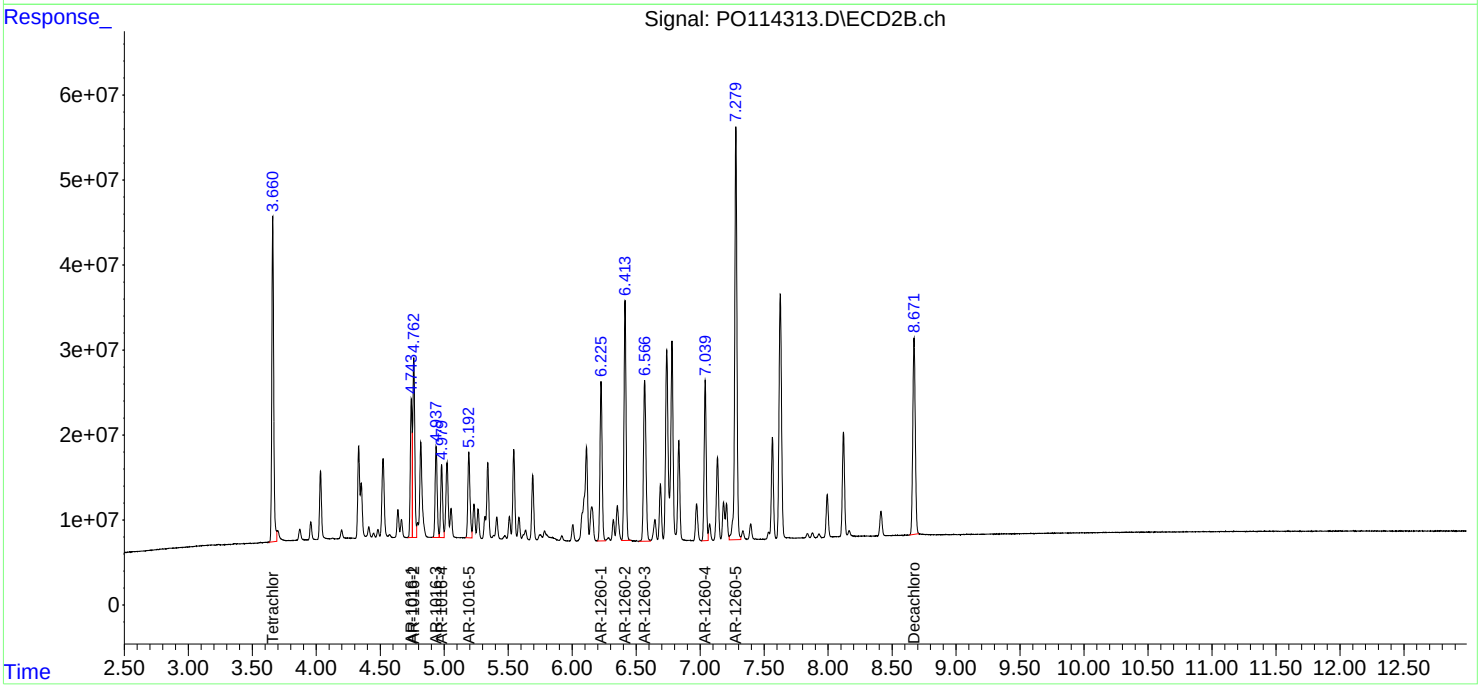
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 14:14
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

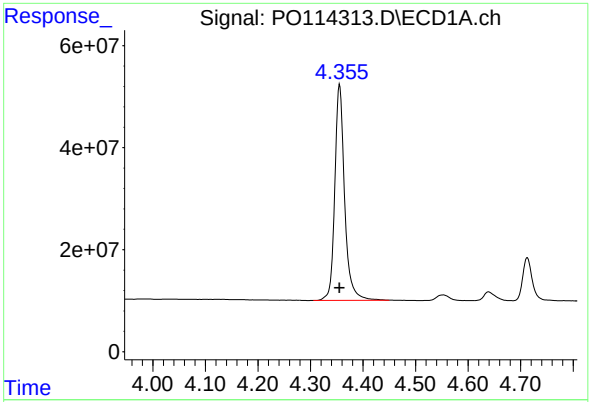
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:15:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:08:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



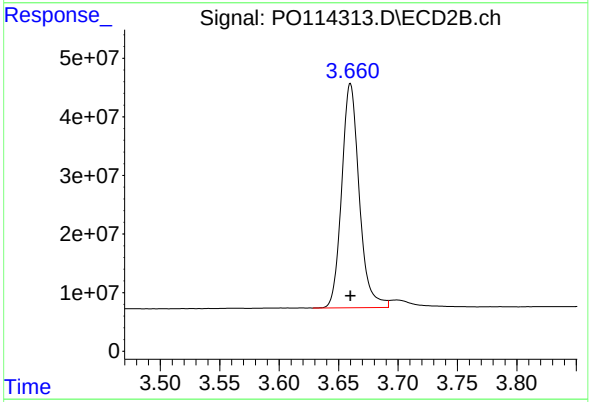




#1 Tetrachloro-m-xylene

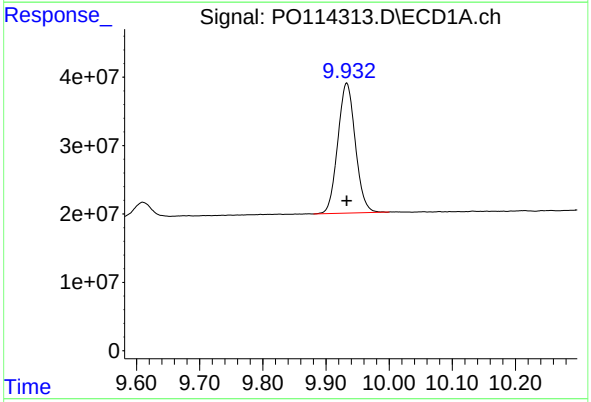
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 550649836
Conc: 98.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



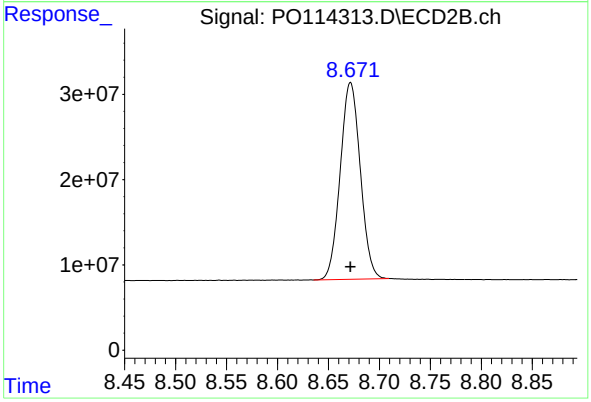
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 392822909
Conc: 97.90 ng/ml



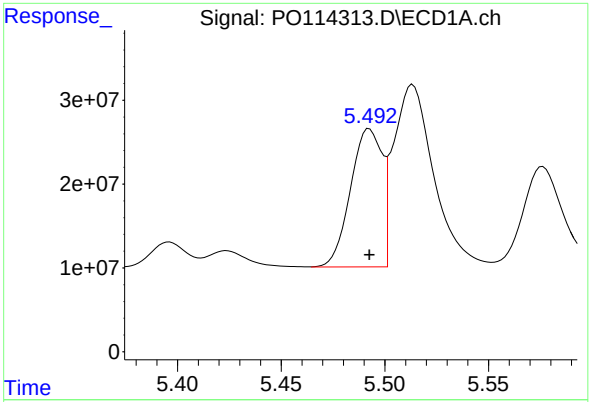
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 366403932
Conc: 99.13 ng/ml



#2 Decachlorobiphenyl

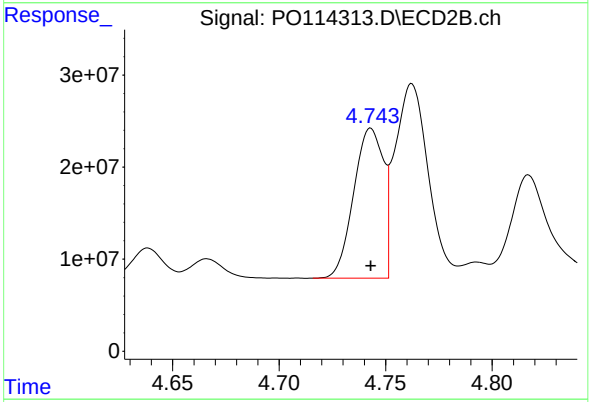
R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 317000119
Conc: 96.50 ng/ml



#3 AR-1016-1

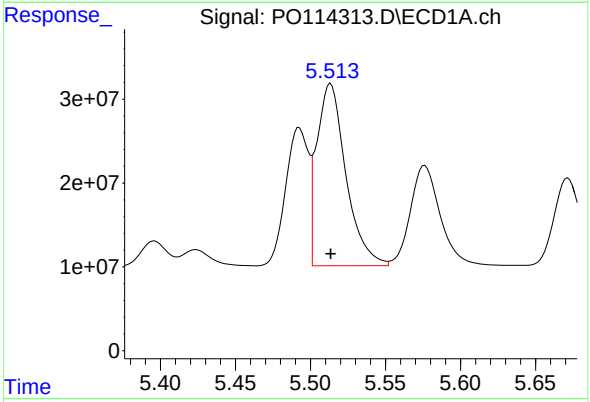
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 174192886
Conc: 973.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



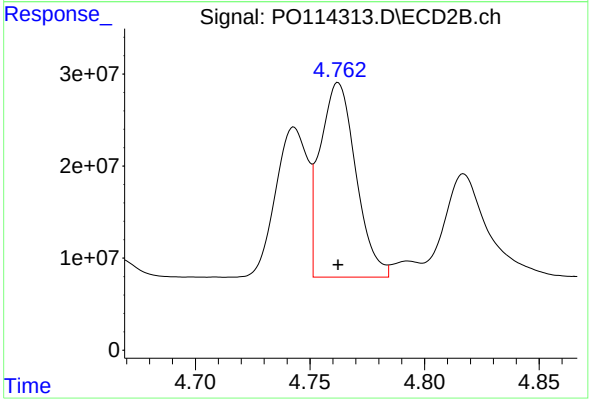
#3 AR-1016-1

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 158257841
Conc: 957.34 ng/ml



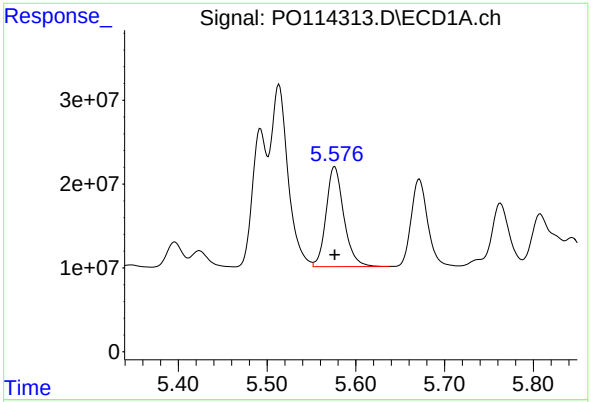
#4 AR-1016-2

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 293939915
Conc: 981.17 ng/ml



#4 AR-1016-2

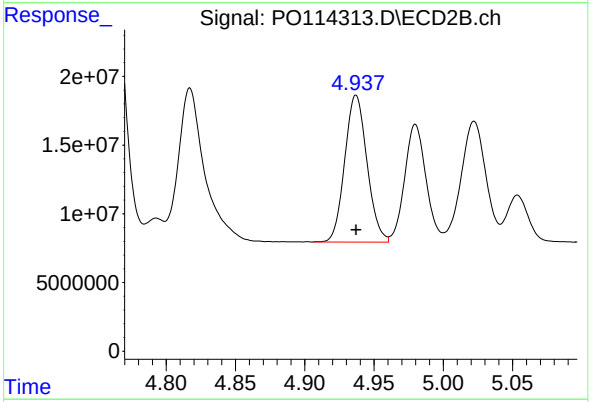
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 229568804
Conc: 965.99 ng/ml



#5 AR-1016-3

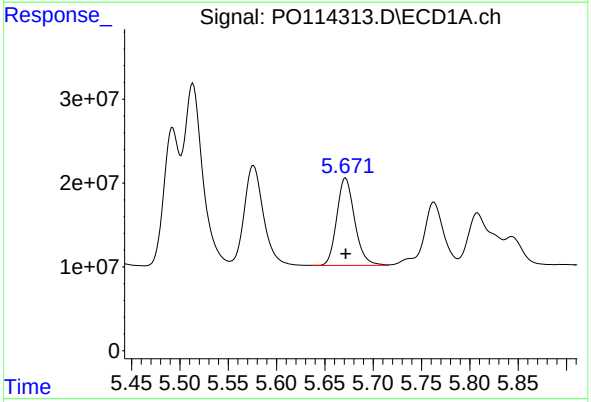
R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 165633600
Conc: 974.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



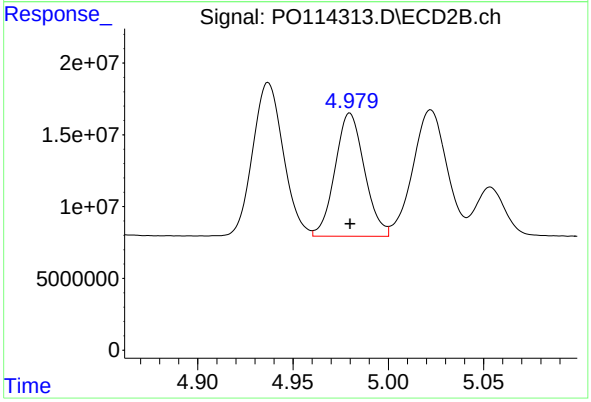
#5 AR-1016-3

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 119655603
Conc: 965.44 ng/ml



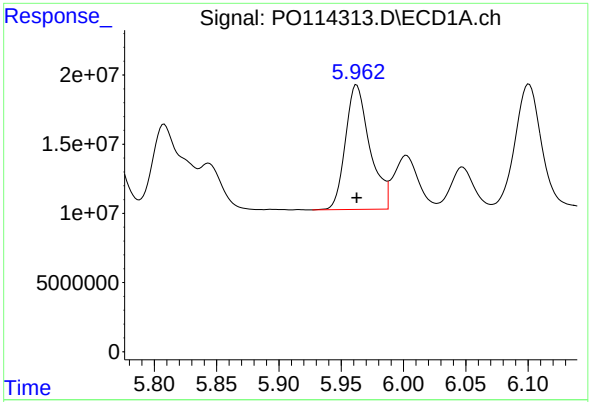
#6 AR-1016-4

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 134425999
Conc: 979.25 ng/ml



#6 AR-1016-4

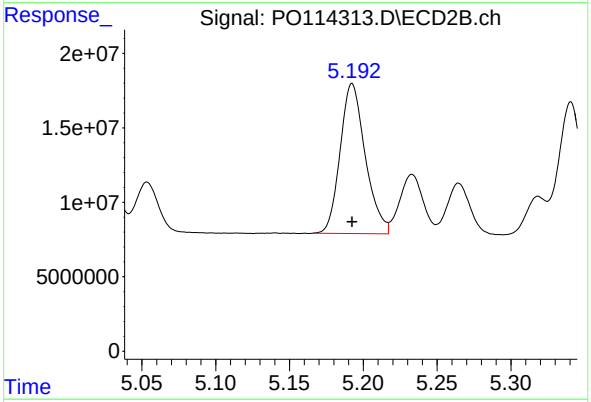
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 92316708
Conc: 958.84 ng/ml



#7 AR-1016-5

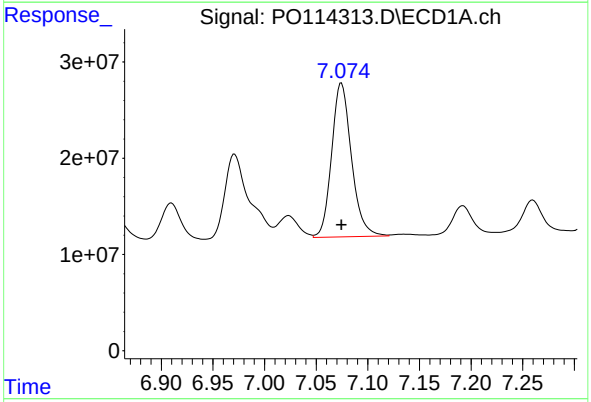
R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 123446822
Conc: 978.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



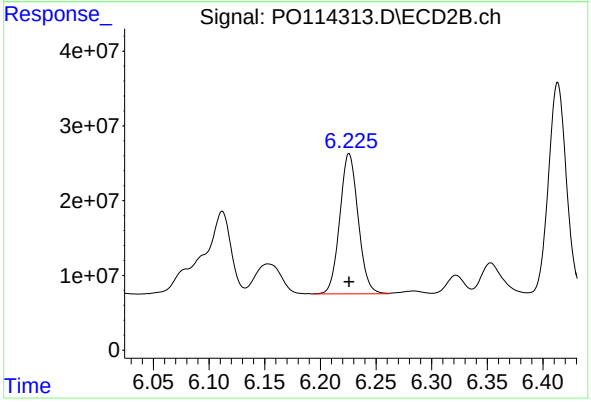
#7 AR-1016-5

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 119349433
Conc: 962.42 ng/ml



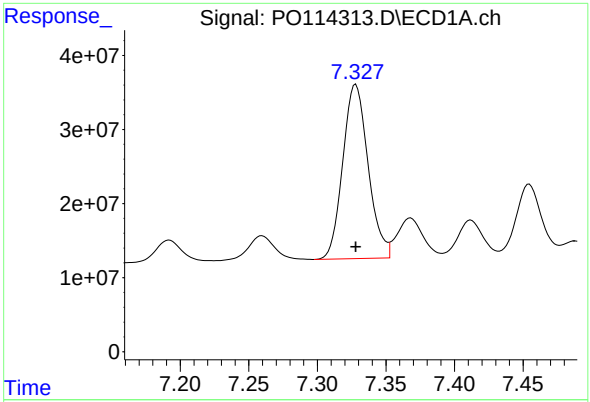
#31 AR-1260-1

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 213791672
Conc: 979.28 ng/ml



#31 AR-1260-1

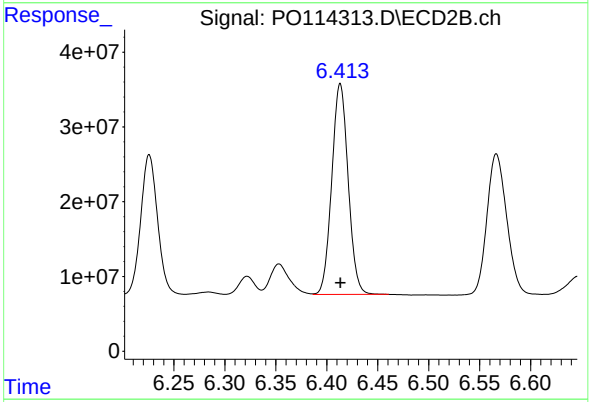
R.T.: 6.226 min
Delta R.T.: 0.000 min
Response: 215558470
Conc: 955.52 ng/ml



#32 AR-1260-2

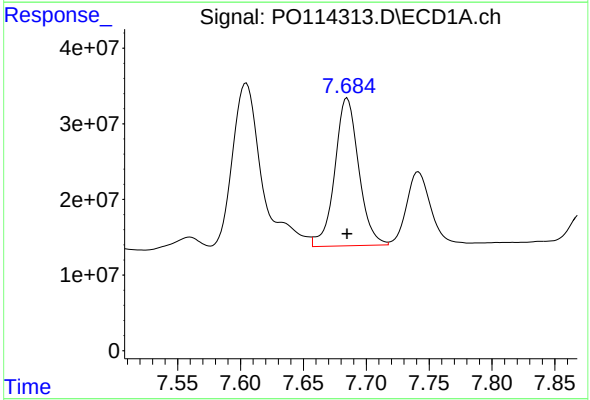
R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 302622462
Conc: 988.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



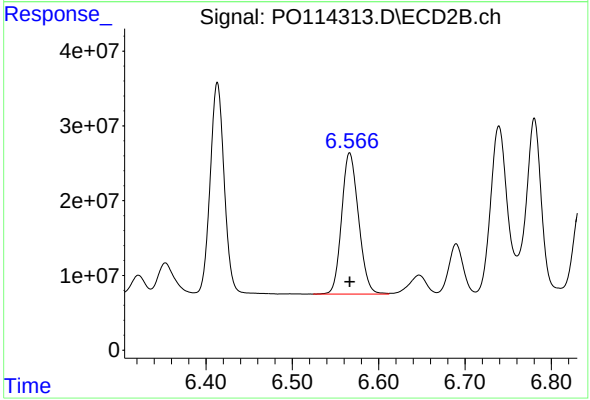
#32 AR-1260-2

R.T.: 6.413 min
Delta R.T.: 0.000 min
Response: 315603721
Conc: 966.97 ng/ml



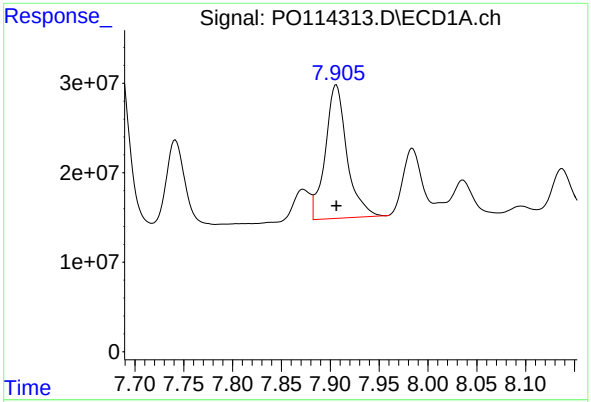
#33 AR-1260-3

R.T.: 7.685 min
Delta R.T.: 0.000 min
Response: 259467311
Conc: 988.10 ng/ml



#33 AR-1260-3

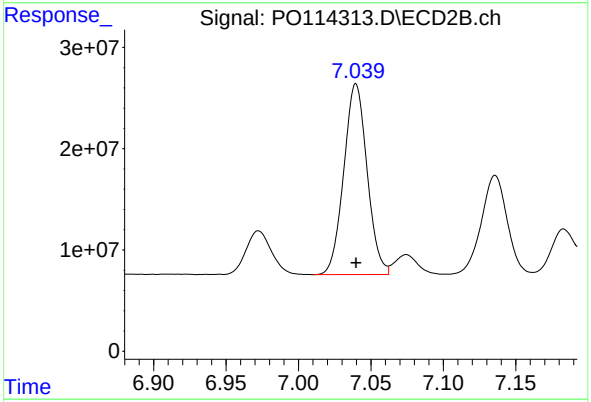
R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 256430713
Conc: 958.84 ng/ml



#34 AR-1260-4

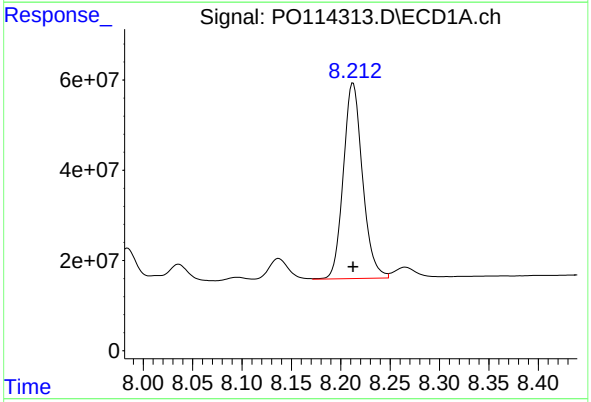
R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 230199629
Conc: 992.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



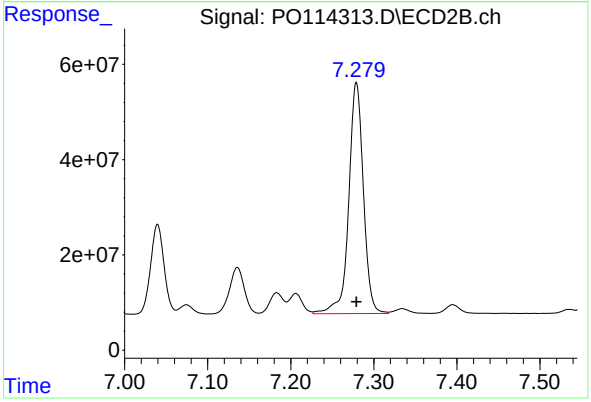
#34 AR-1260-4

R.T.: 7.040 min
Delta R.T.: 0.000 min
Response: 211317075
Conc: 966.10 ng/ml



#35 AR-1260-5

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 586428065
Conc: 993.89 ng/ml



#35 AR-1260-5

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 594775480
Conc: 976.44 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114314.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 14:32
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:18:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:08:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.356	3.660	425.8E6	305.3E6	75.918	75.721
2)	SA Decachlor...	9.933	8.672	284.5E6	251.2E6	76.296	75.965
	Target Compounds						
3)	L1 AR-1016-1	5.492	4.743	134.9E6	126.1E6	752.427	758.654
4)	L1 AR-1016-2	5.514	4.763	229.2E6	180.5E6	759.916	756.203
5)	L1 AR-1016-3	5.576	4.937	129.5E6	93180230	757.963	751.217
6)	L1 AR-1016-4	5.672	4.979	103.6E6	72379606	752.993	751.175
7)	L1 AR-1016-5	5.963	5.192	95827218	93472183	756.281	752.497
31)	L7 AR-1260-1	7.075	6.226	166.0E6	173.6E6	756.760	762.977
32)	L7 AR-1260-2	7.328	6.413	234.0E6	247.6E6	759.652	755.667
33)	L7 AR-1260-3	7.686	6.566	201.0E6	201.4E6	760.306	752.021
34)	L7 AR-1260-4	7.907	7.040	176.3E6	167.5E6	756.755	760.292
35)	L7 AR-1260-5	8.213	7.280	454.4E6	468.0E6	763.279	762.121

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

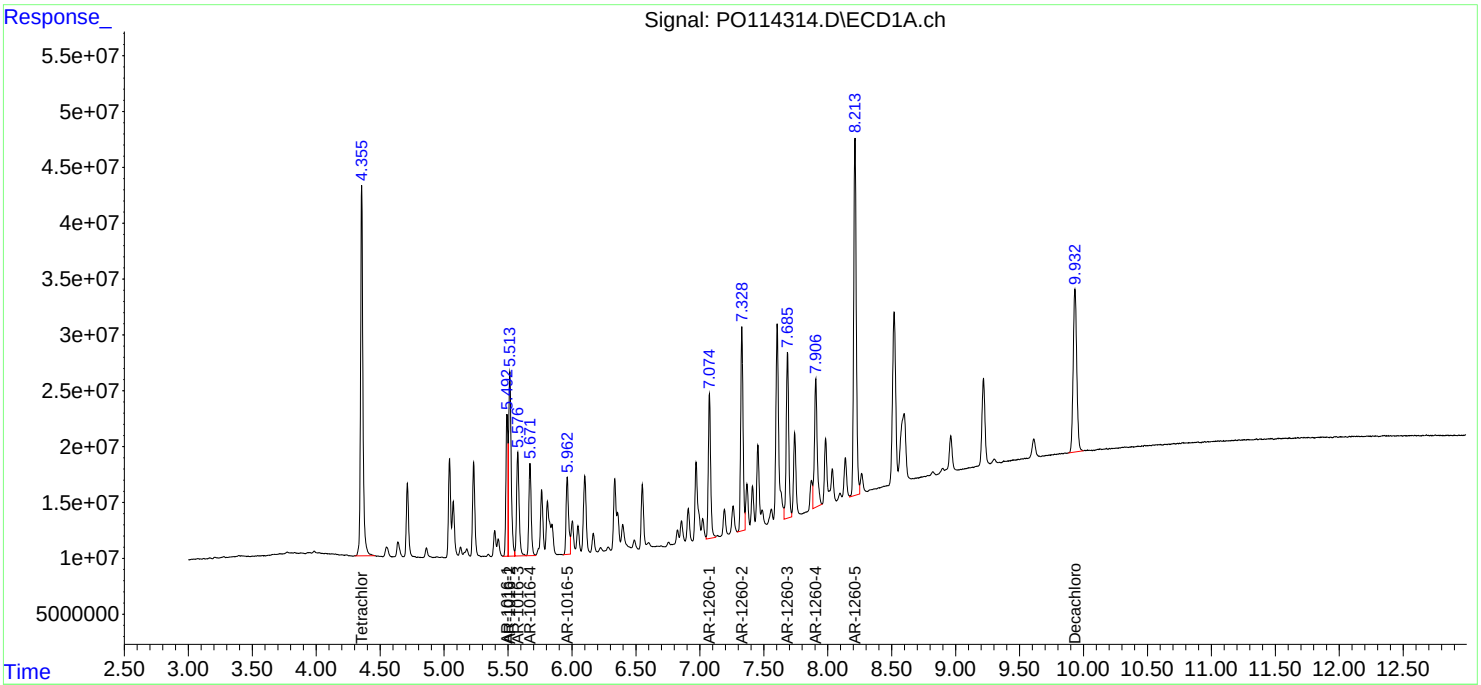
ICAL Form

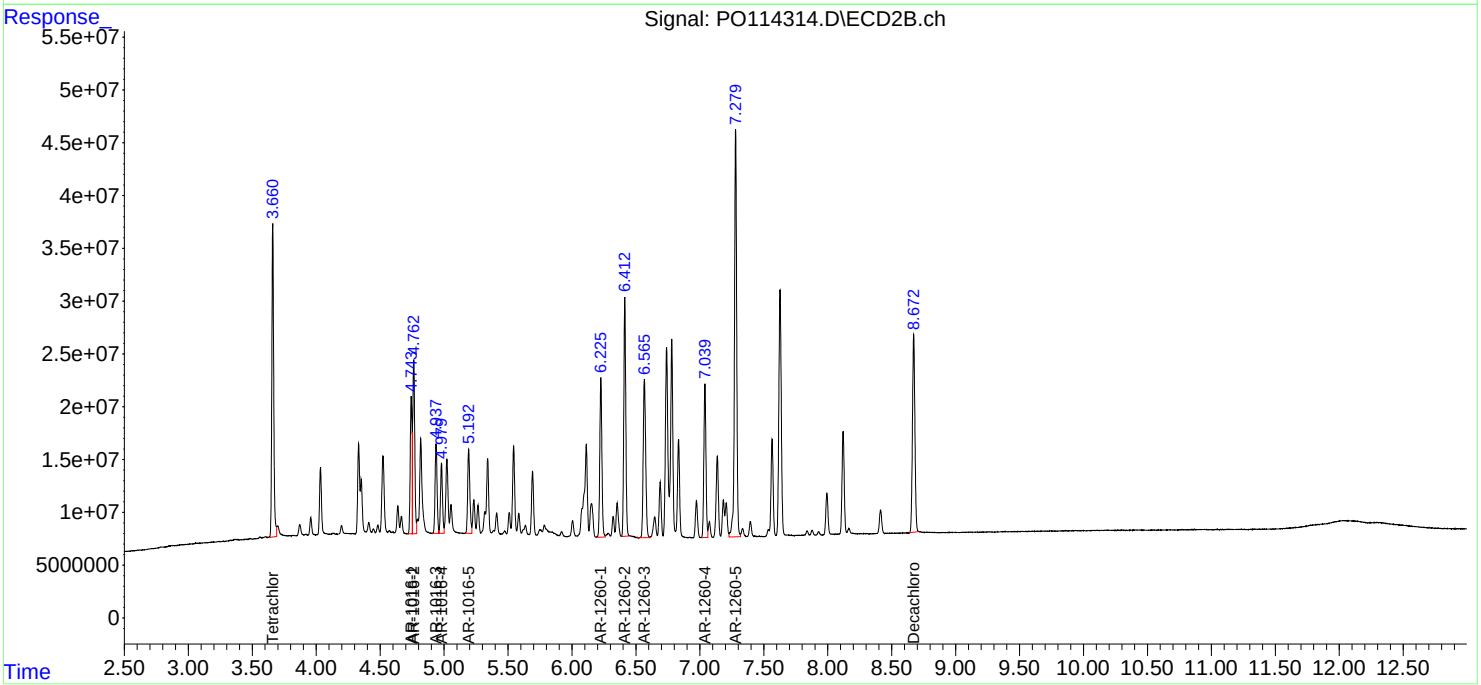
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114314.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 14:32
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

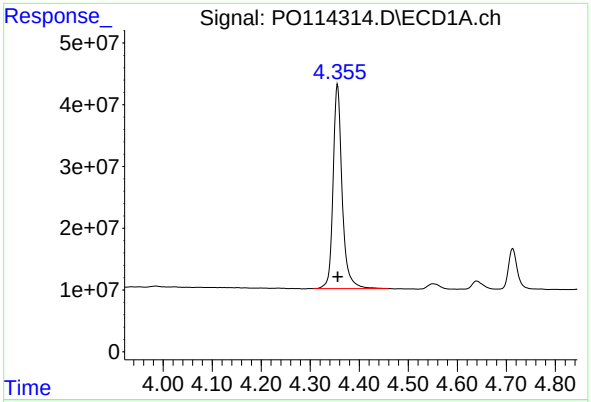
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:18:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:08:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



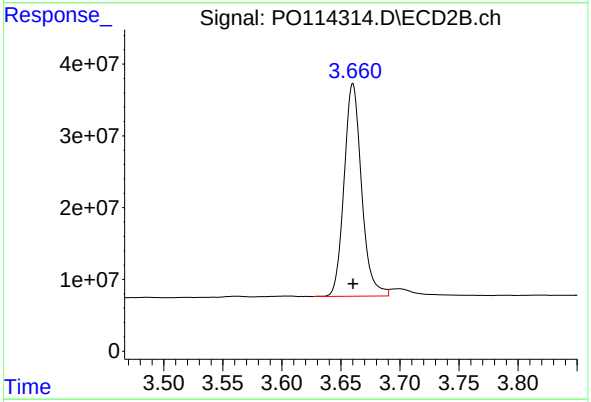




#1 Tetrachloro-m-xylene

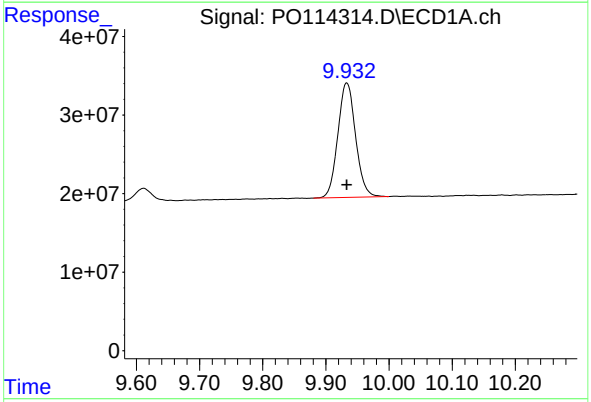
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 425812378
Conc: 75.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



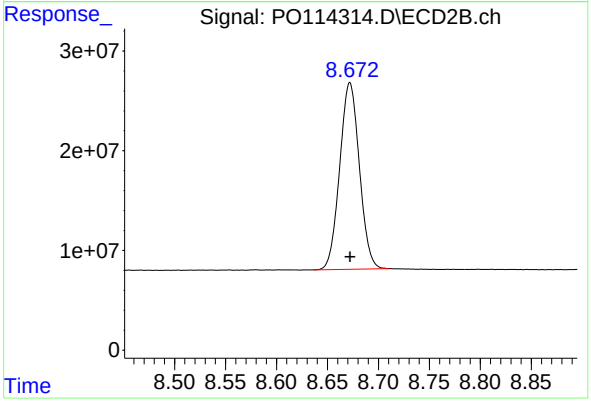
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 305299747
Conc: 75.72 ng/ml



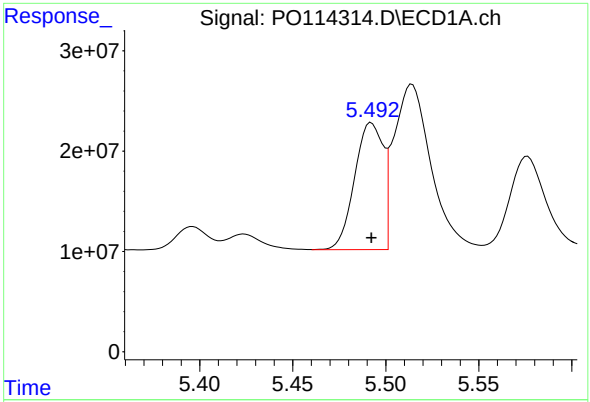
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 284451366
Conc: 76.30 ng/ml



#2 Decachlorobiphenyl

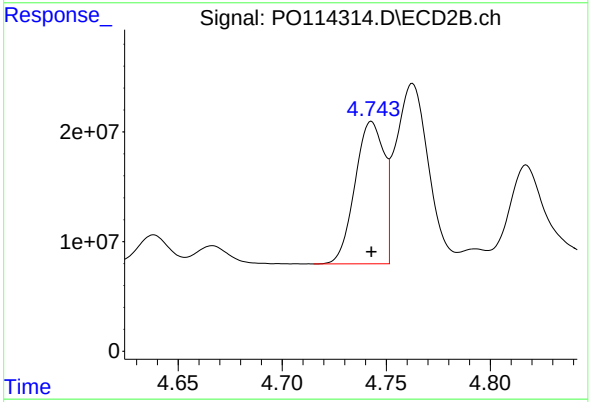
R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 251155518
Conc: 75.97 ng/ml



#3 AR-1016-1

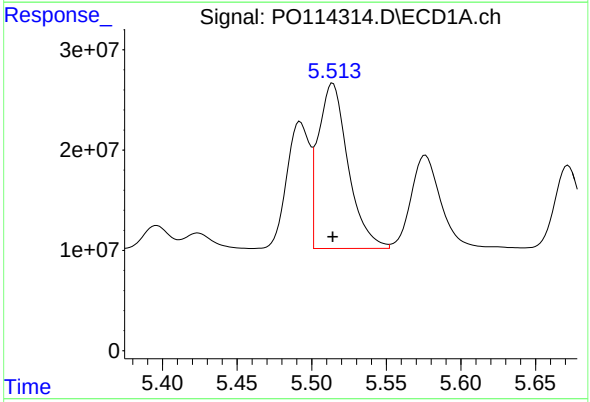
R.T.: 5.492 min
Delta R.T.: 0.000 min
Response: 134921343
Conc: 752.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



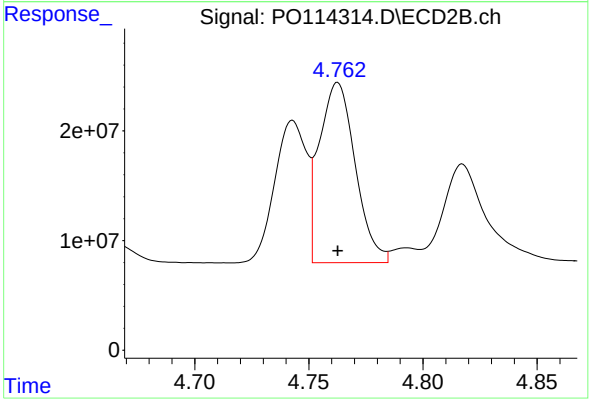
#3 AR-1016-1

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 126140787
Conc: 758.65 ng/ml



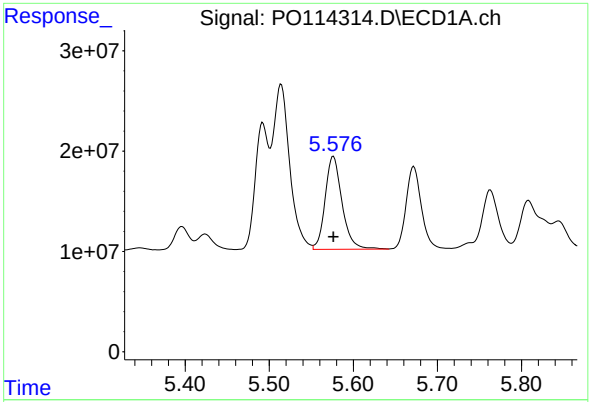
#4 AR-1016-2

R.T.: 5.514 min
Delta R.T.: 0.000 min
Response: 229170826
Conc: 759.92 ng/ml



#4 AR-1016-2

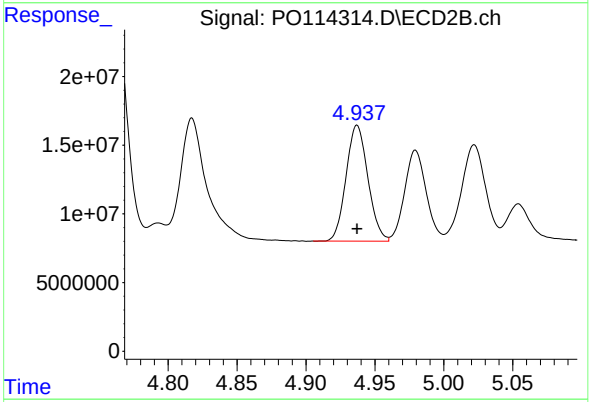
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 180459269
Conc: 756.20 ng/ml



#5 AR-1016-3

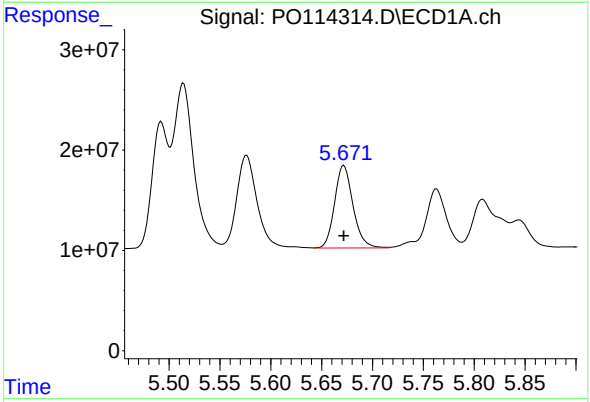
R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 129501028
Conc: 757.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



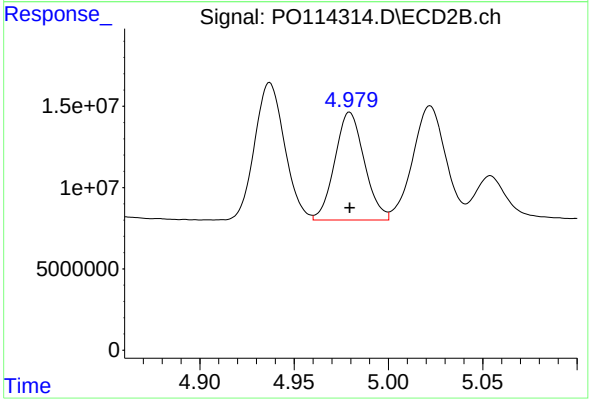
#5 AR-1016-3

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 93180230
Conc: 751.22 ng/ml



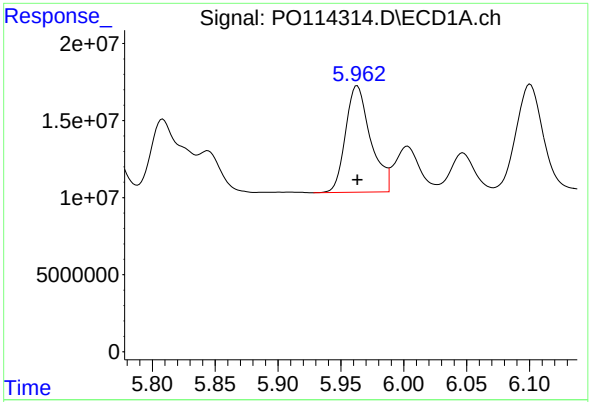
#6 AR-1016-4

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 103573316
Conc: 752.99 ng/ml



#6 AR-1016-4

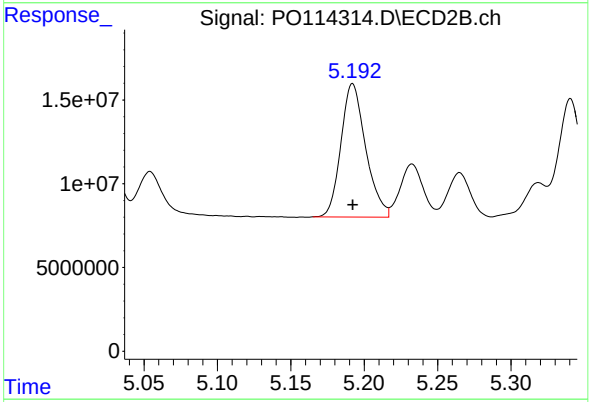
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 72379606
Conc: 751.18 ng/ml



#7 AR-1016-5

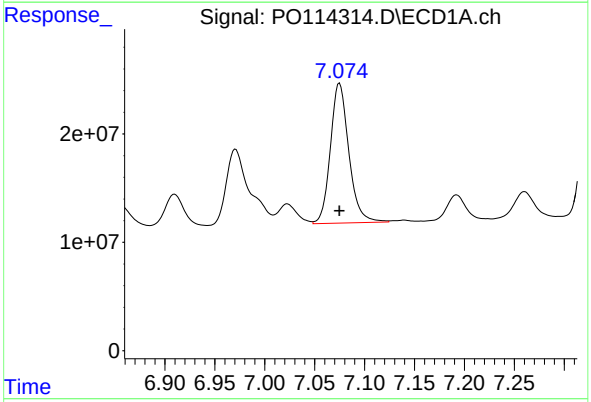
R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 95827218
Conc: 756.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



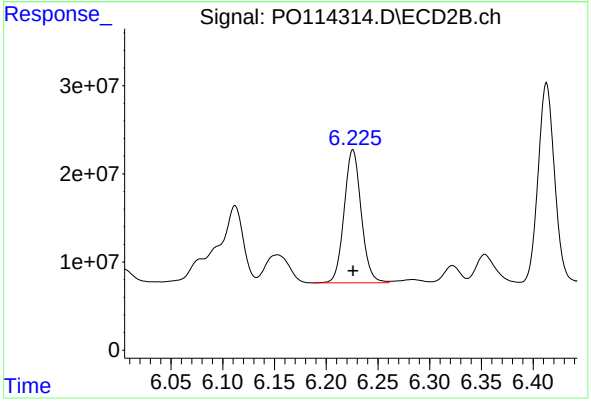
#7 AR-1016-5

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 93472183
Conc: 752.50 ng/ml



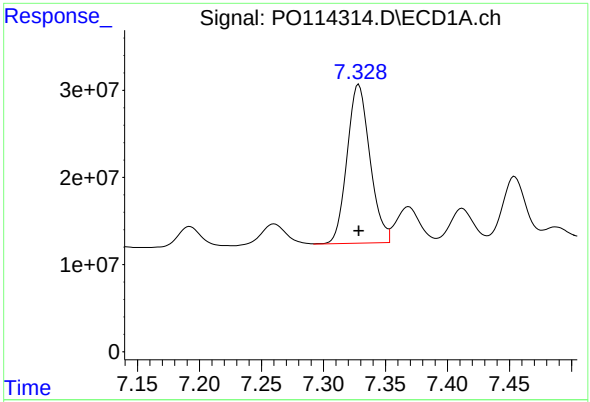
#31 AR-1260-1

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 165960260
Conc: 756.76 ng/ml



#31 AR-1260-1

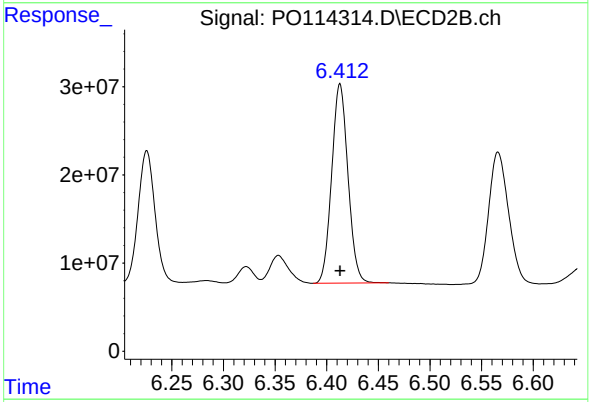
R.T.: 6.226 min
Delta R.T.: 0.000 min
Response: 173623901
Conc: 762.98 ng/ml



#32 AR-1260-2

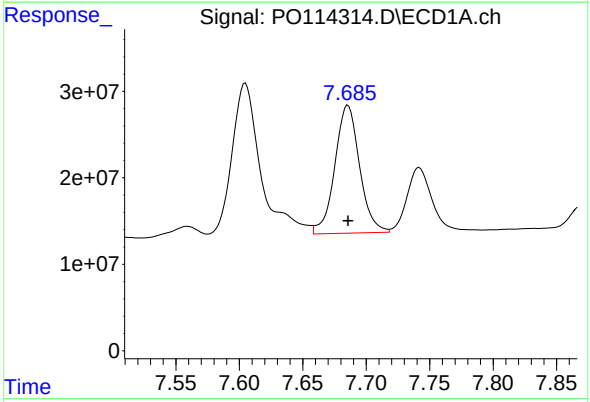
R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 234042064
Conc: 759.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



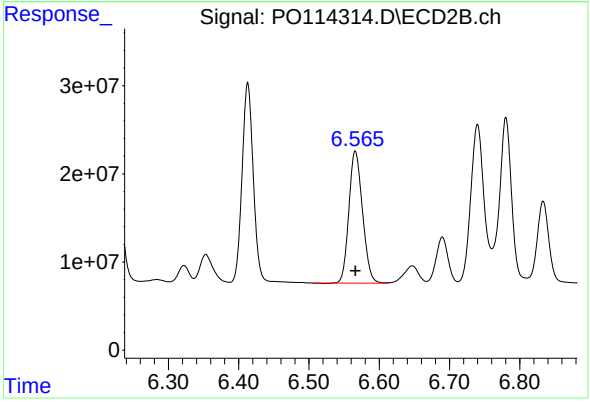
#32 AR-1260-2

R.T.: 6.413 min
Delta R.T.: 0.000 min
Response: 247574033
Conc: 755.67 ng/ml



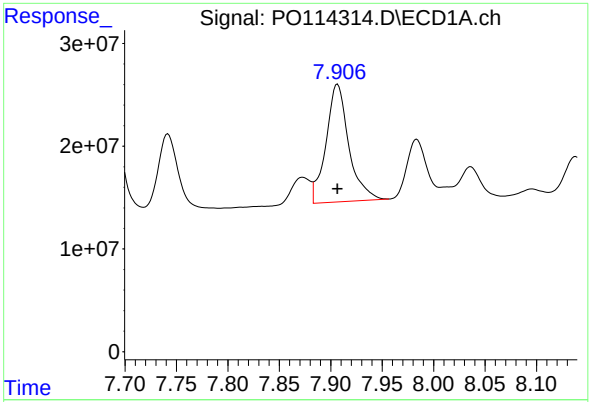
#33 AR-1260-3

R.T.: 7.686 min
Delta R.T.: 0.000 min
Response: 201031506
Conc: 760.31 ng/ml



#33 AR-1260-3

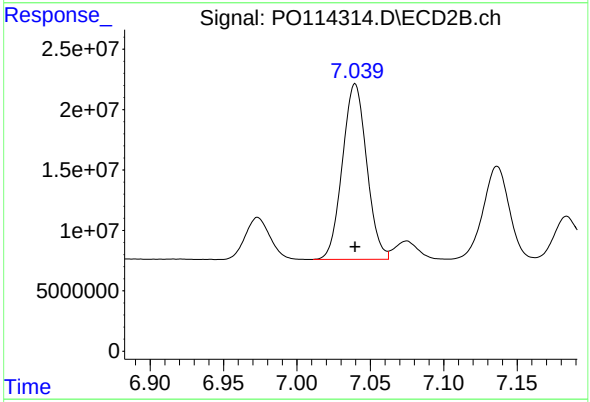
R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 201390116
Conc: 752.02 ng/ml



#34 AR-1260-4

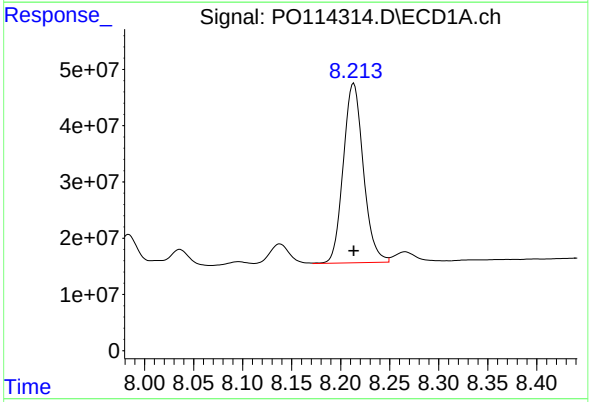
R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 176348996
Conc: 756.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



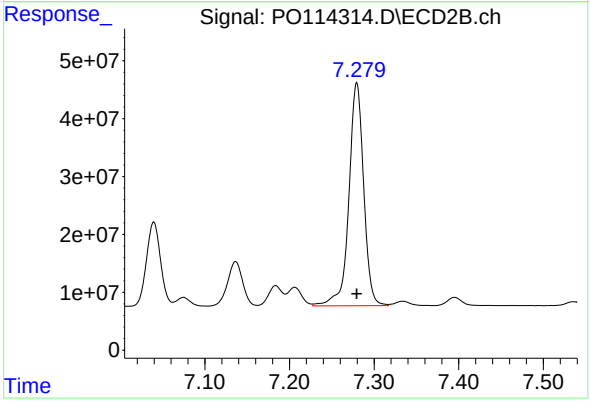
#34 AR-1260-4

R.T.: 7.040 min
Delta R.T.: 0.000 min
Response: 167450048
Conc: 760.29 ng/ml



#35 AR-1260-5

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 454380747
Conc: 763.28 ng/ml



#35 AR-1260-5

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 468011425
Conc: 762.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 14:50
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:08:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:08:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.355	3.660	282.1E6	204.8E6	50.000	50.000
2)	SA Decachlor...	9.934	8.671	186.4E6	170.0E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.492	4.743	91928434	86181093	500.000	500.000
4)	L1 AR-1016-2	5.514	4.762	152.6E6	122.9E6	500.000	500.000
5)	L1 AR-1016-3	5.576	4.936	87130216	64110508	500.000	500.000
6)	L1 AR-1016-4	5.671	4.979	70061287	50121323	500.000	500.000
7)	L1 AR-1016-5	5.963	5.192	64454469	64334538	500.000	500.000
31)	L7 AR-1260-1	7.075	6.225	111.4E6	117.8E6	500.000	500.000
32)	L7 AR-1260-2	7.329	6.413	154.8E6	168.6E6	500.000	500.000
33)	L7 AR-1260-3	7.685	6.566	132.9E6	139.2E6	500.000	500.000
34)	L7 AR-1260-4	7.907	7.039	116.9E6	113.1E6	500.000	500.000
35)	L7 AR-1260-5	8.213	7.279	296.8E6	311.7E6	500.000	500.000

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

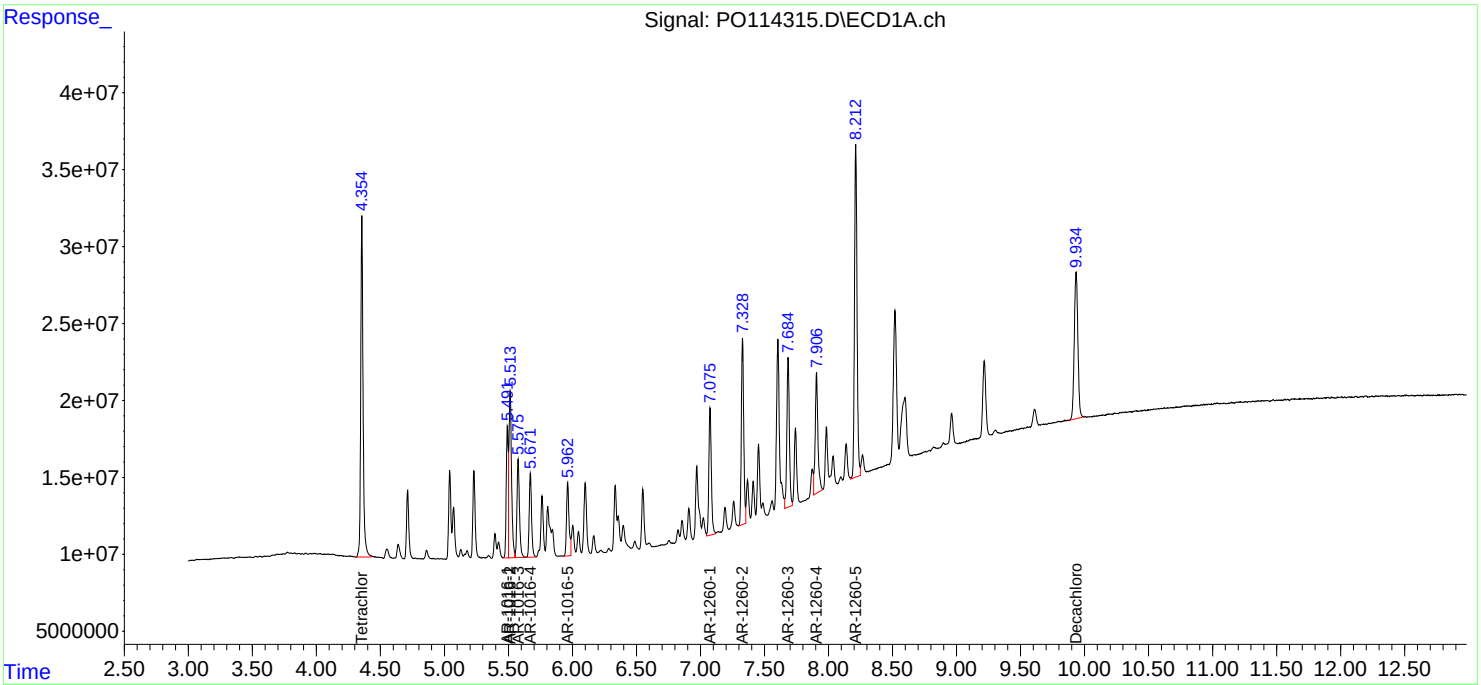
ICAL Form

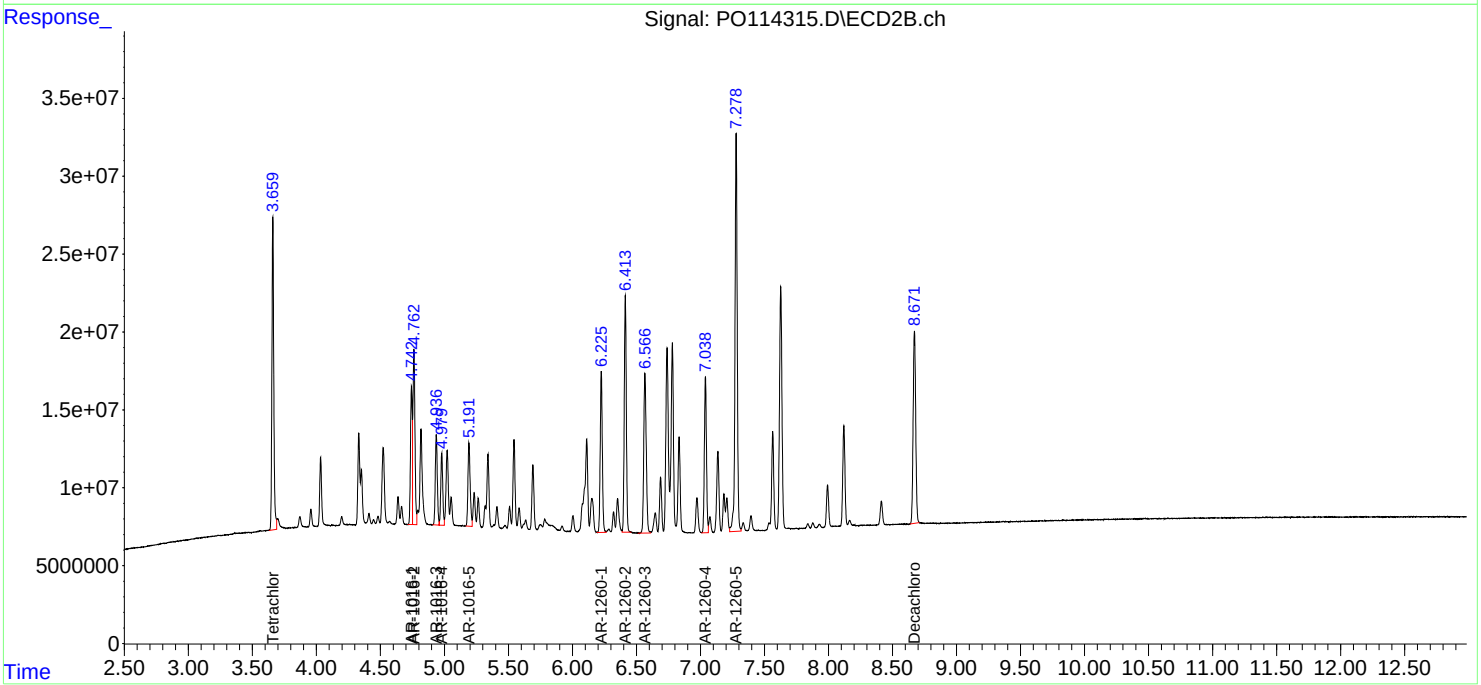
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 14:50
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

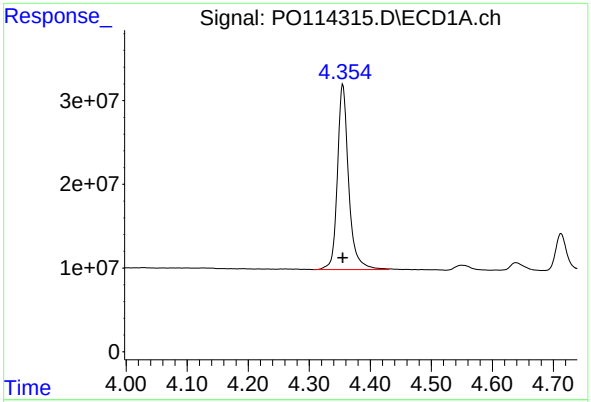
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:08:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:08:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



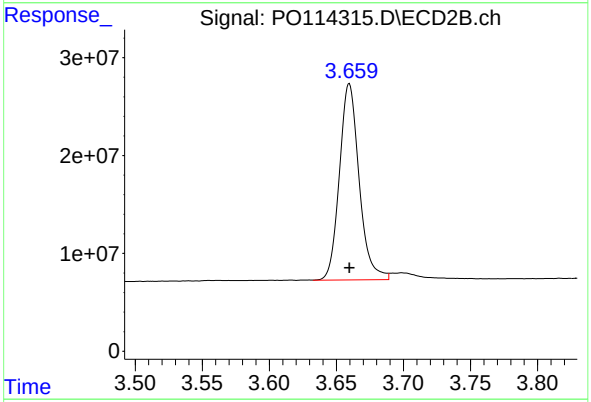




#1 Tetrachloro-m-xylene

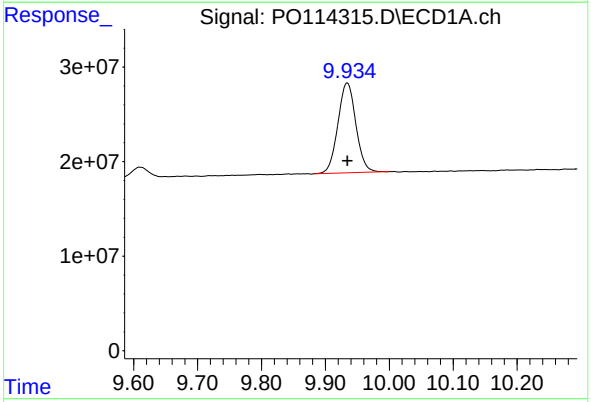
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 282122961
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



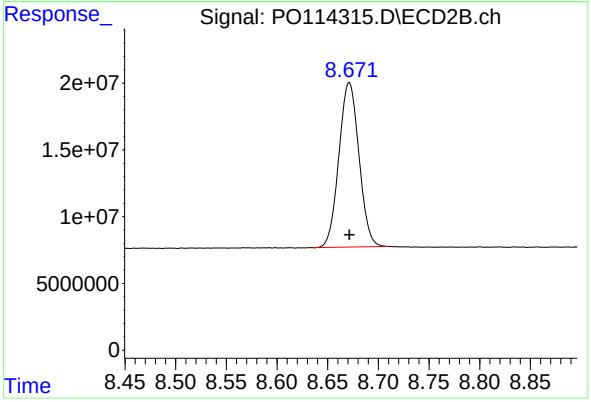
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 204841114
Conc: 50.00 ng/ml



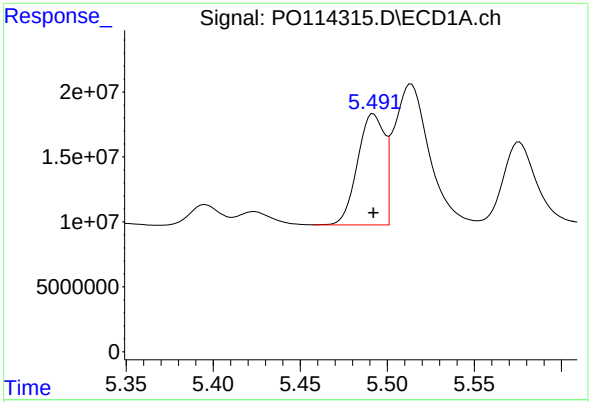
#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 186401834
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

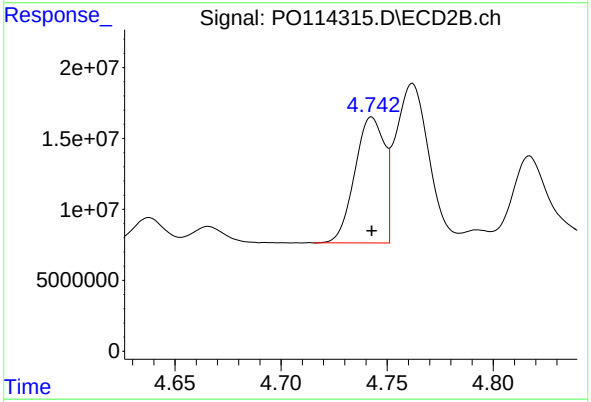
R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 169990068
Conc: 50.00 ng/ml



#3 AR-1016-1

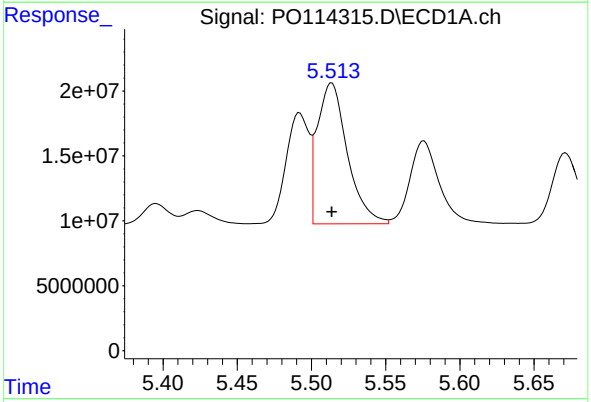
R.T.: 5.492 min
Delta R.T.: 0.000 min
Response: 91928434
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



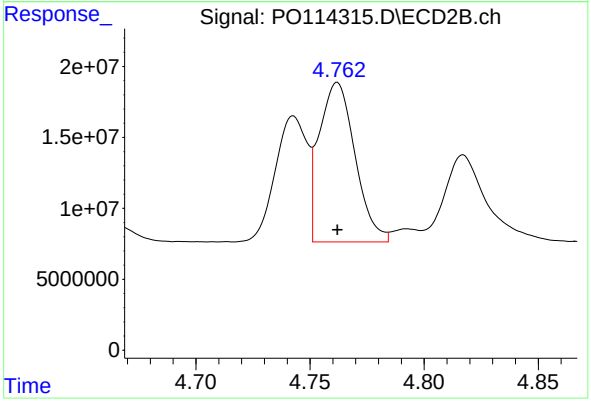
#3 AR-1016-1

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 86181093
Conc: 500.00 ng/ml



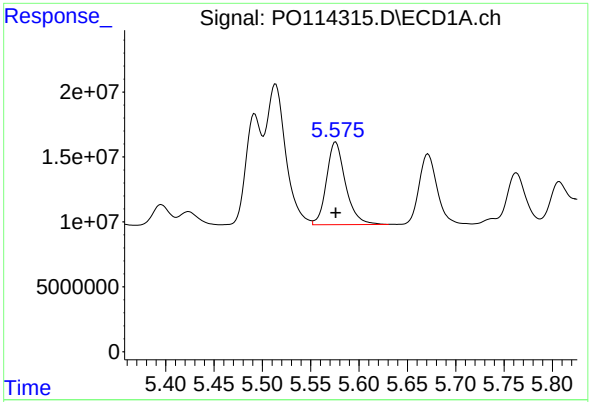
#4 AR-1016-2

R.T.: 5.514 min
Delta R.T.: 0.000 min
Response: 152610365
Conc: 500.00 ng/ml



#4 AR-1016-2

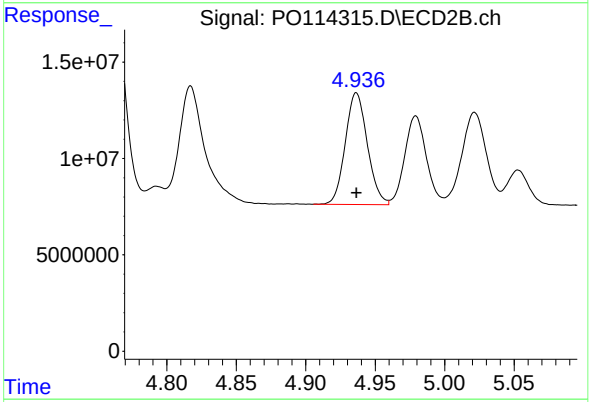
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 122867450
Conc: 500.00 ng/ml



#5 AR-1016-3

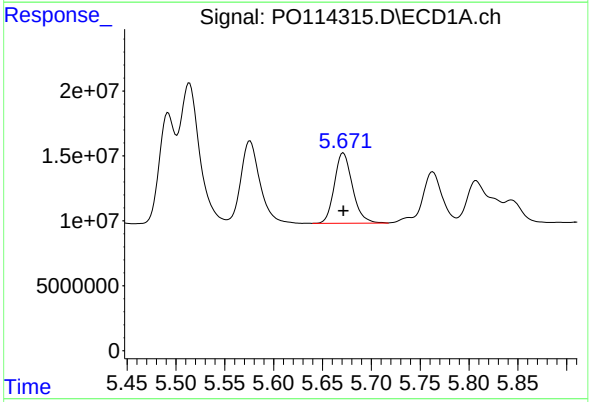
R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 87130216
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



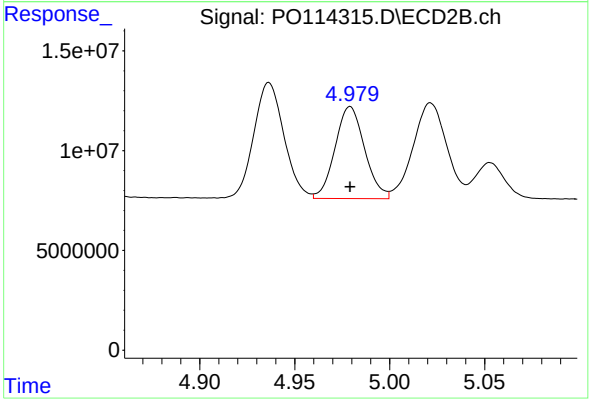
#5 AR-1016-3

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 64110508
Conc: 500.00 ng/ml



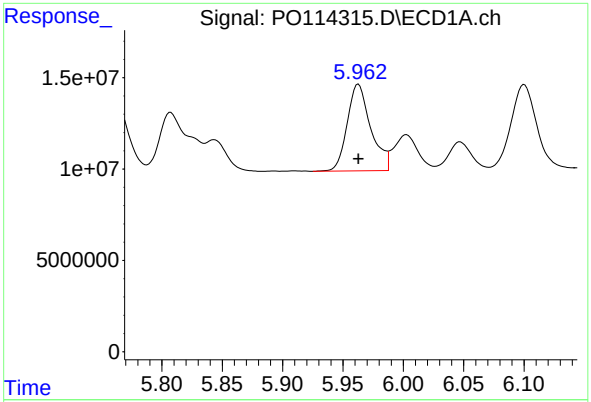
#6 AR-1016-4

R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 70061287
Conc: 500.00 ng/ml



#6 AR-1016-4

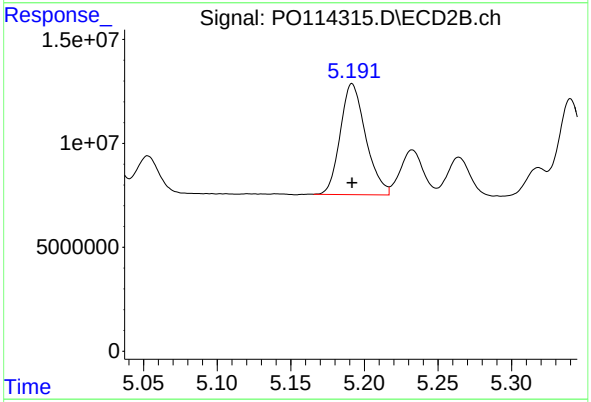
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 50121323
Conc: 500.00 ng/ml



#7 AR-1016-5

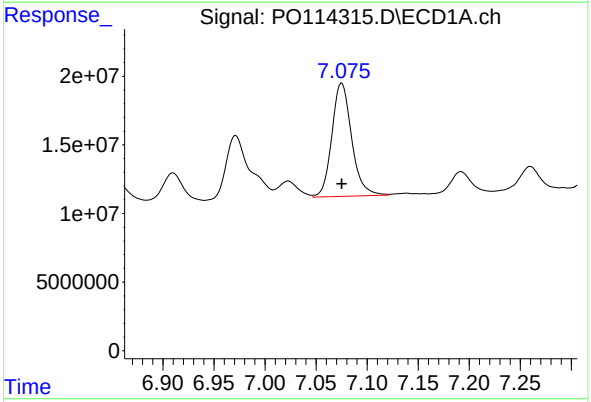
R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 64454469
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



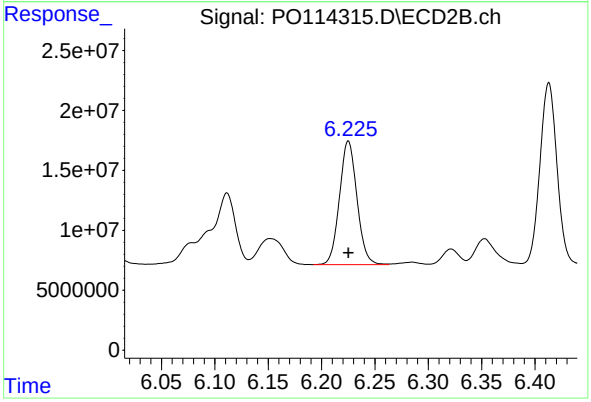
#7 AR-1016-5

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 64334538
Conc: 500.00 ng/ml



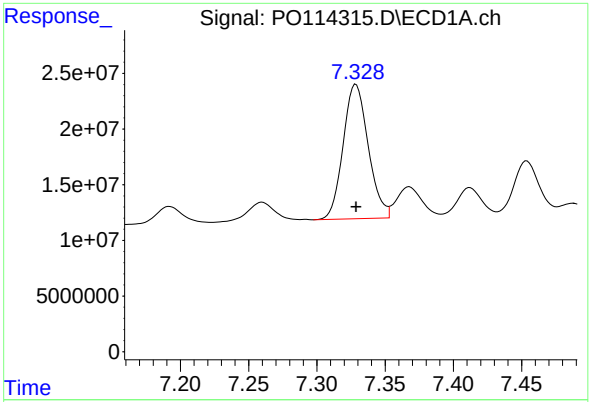
#31 AR-1260-1

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 111419505
Conc: 500.00 ng/ml



#31 AR-1260-1

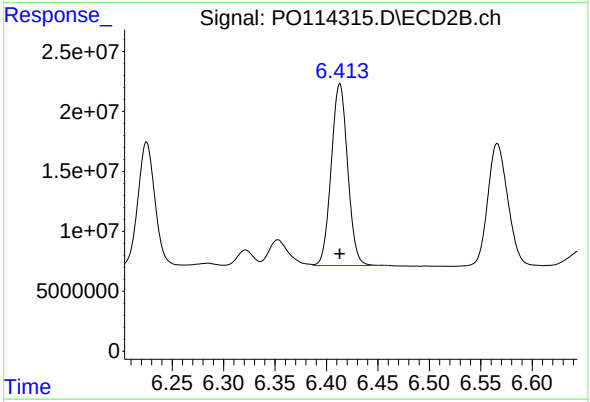
R.T.: 6.225 min
Delta R.T.: 0.000 min
Response: 117813345
Conc: 500.00 ng/ml



#32 AR-1260-2

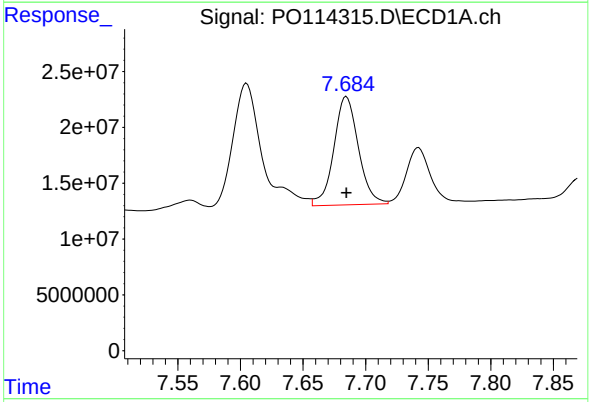
R.T.: 7.329 min
Delta R.T.: 0.000 min
Response: 154797269
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



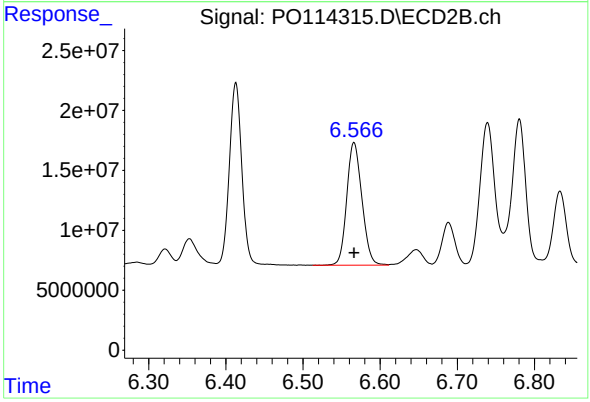
#32 AR-1260-2

R.T.: 6.413 min
Delta R.T.: 0.000 min
Response: 168583612
Conc: 500.00 ng/ml



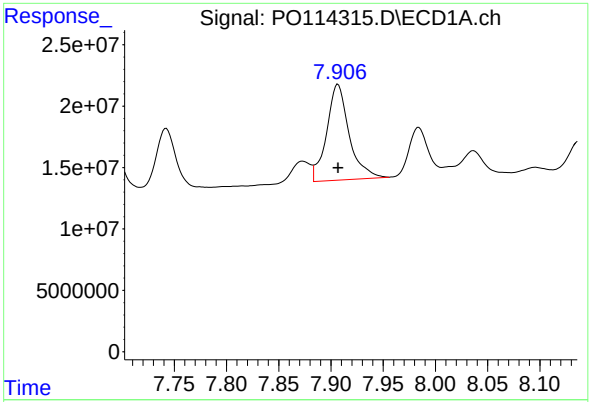
#33 AR-1260-3

R.T.: 7.685 min
Delta R.T.: 0.000 min
Response: 132858521
Conc: 500.00 ng/ml



#33 AR-1260-3

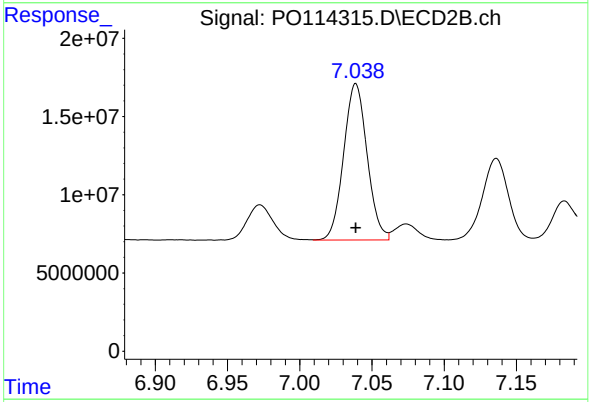
R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 139222321
Conc: 500.00 ng/ml



#34 AR-1260-4

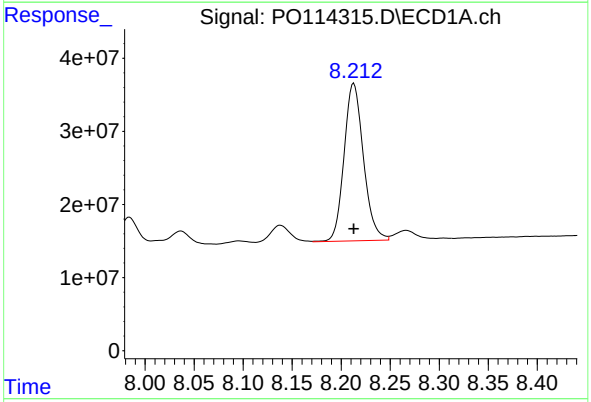
R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 116883919
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



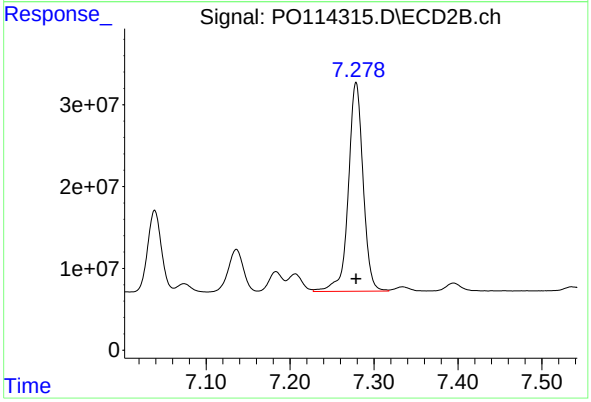
#34 AR-1260-4

R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 113074480
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 296817141
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 311740803
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 15:09
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:23:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:23:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.355	3.660	138.8E6	102.9E6	24.811	25.392
2)	SA Decachlor...	9.934	8.671	91623451	87271717	24.680	26.033
	Target Compounds						
3)	L1 AR-1016-1	5.493	4.743	45830716	44646263	254.168	263.636
4)	L1 AR-1016-2	5.514	4.762	78785225	63226166	258.341	261.044
5)	L1 AR-1016-3	5.576	4.937	45626305	32771742	262.572	260.505
6)	L1 AR-1016-4	5.672	4.979	35592047	25674514	256.513	262.143
7)	L1 AR-1016-5	5.962	5.192	32548646	33560019	255.123	264.832
31)	L7 AR-1260-1	7.075	6.225	54646550	61418348	249.386	264.632
32)	L7 AR-1260-2	7.328	6.413	76791974	87622306	249.438	262.862
33)	L7 AR-1260-3	7.685	6.566	65114275	74109581	247.187	269.530
34)	L7 AR-1260-4	7.906	7.039	58192264	58227692	249.787	260.631
35)	L7 AR-1260-5	8.213	7.279	145.3E6	158.1E6	245.512	255.506

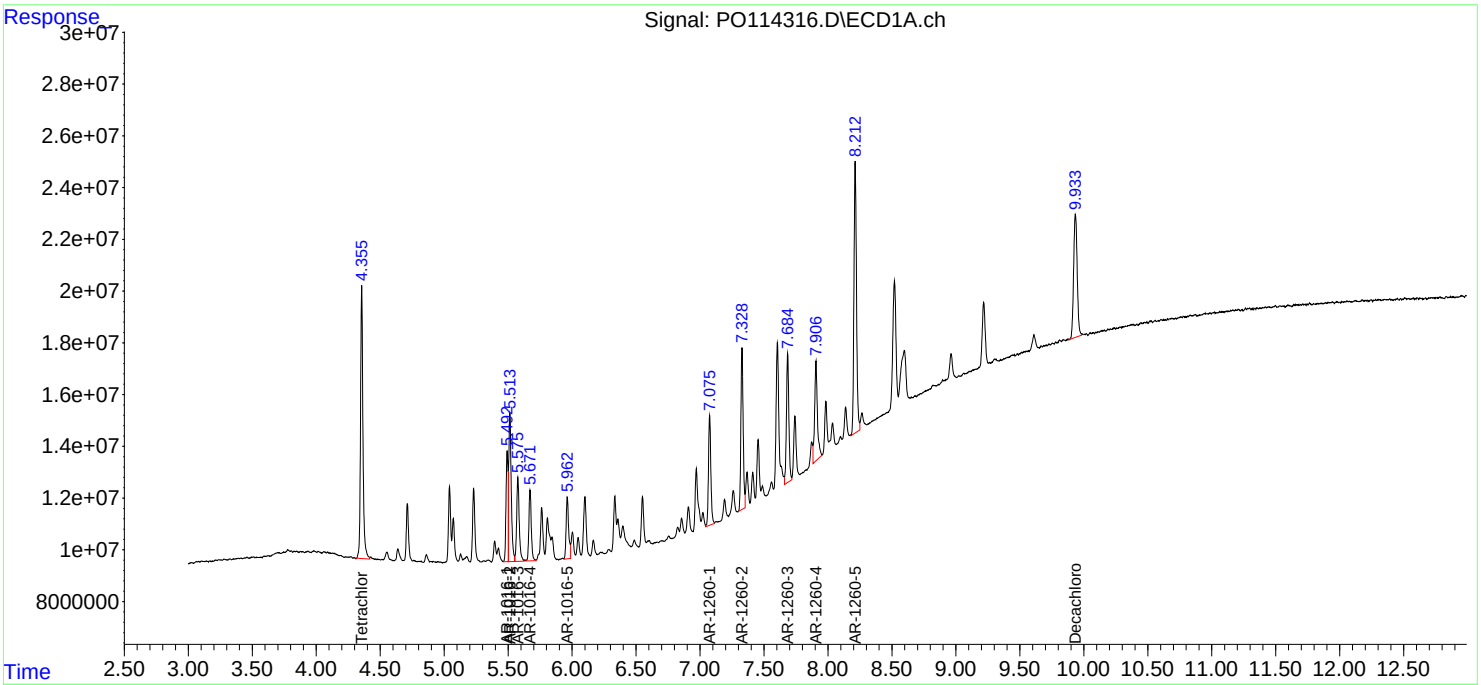
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

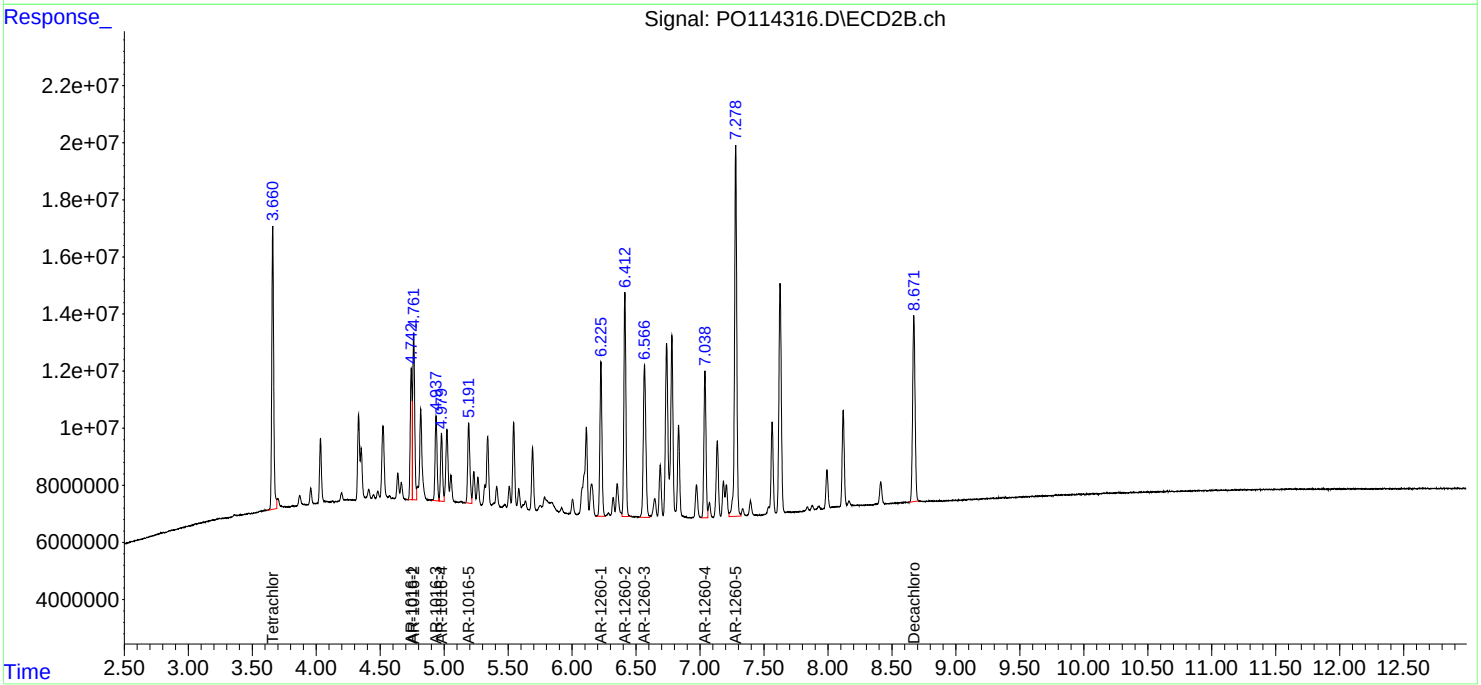
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 15:09
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

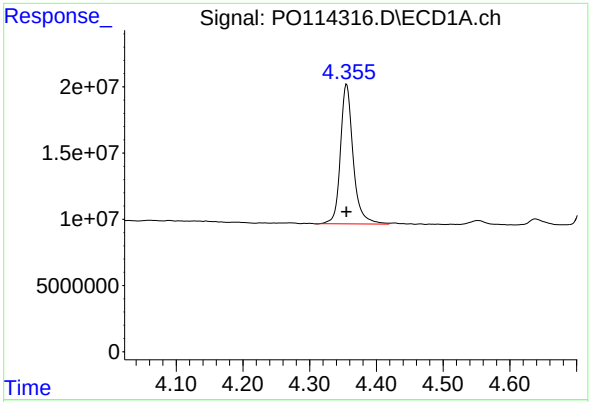
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:23:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:23:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



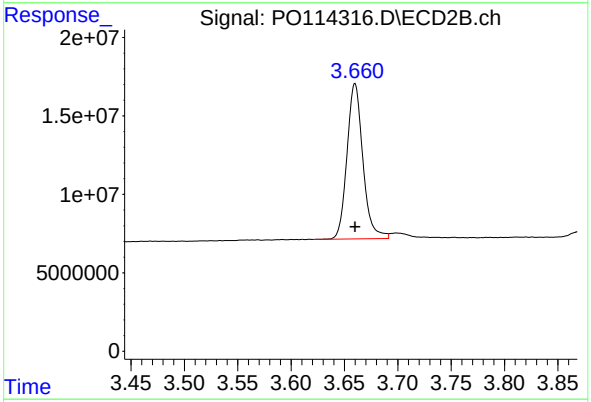




#1 Tetrachloro-m-xylene

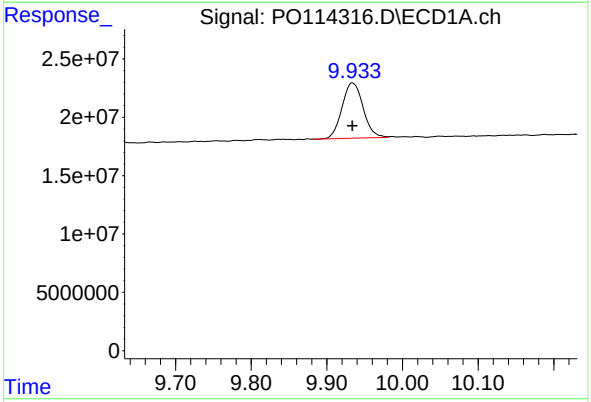
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 138810323
Conc: 24.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



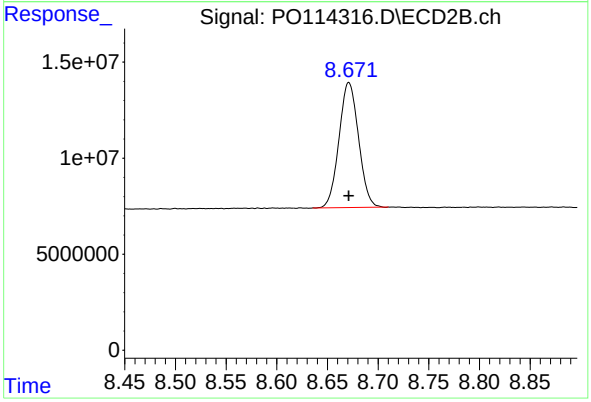
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 102913463
Conc: 25.39 ng/ml



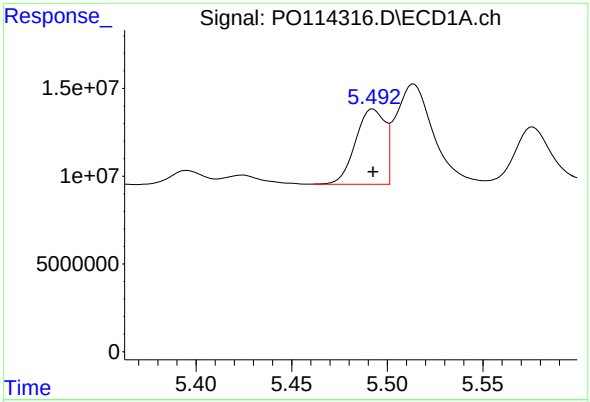
#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 91623451
Conc: 24.68 ng/ml



#2 Decachlorobiphenyl

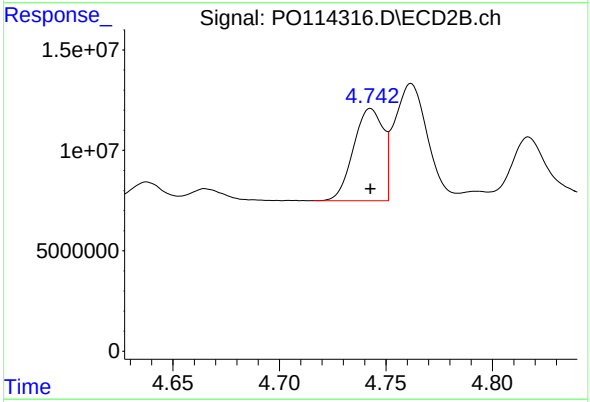
R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 87271717
Conc: 26.03 ng/ml



#3 AR-1016-1

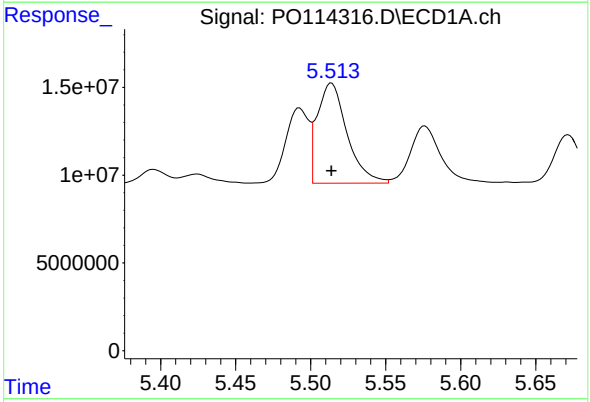
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 45830716
Conc: 254.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



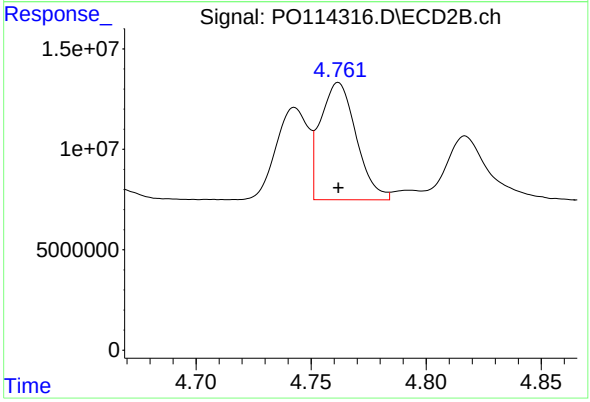
#3 AR-1016-1

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 44646263
Conc: 263.64 ng/ml



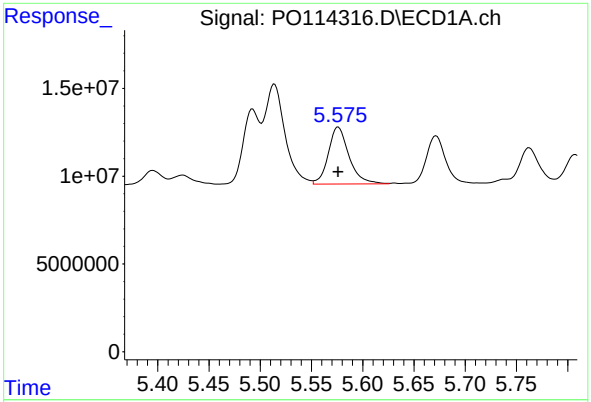
#4 AR-1016-2

R.T.: 5.514 min
Delta R.T.: 0.000 min
Response: 78785225
Conc: 258.34 ng/ml



#4 AR-1016-2

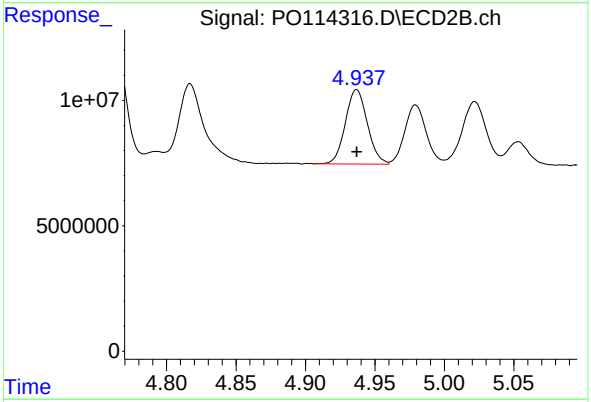
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 63226166
Conc: 261.04 ng/ml



#5 AR-1016-3

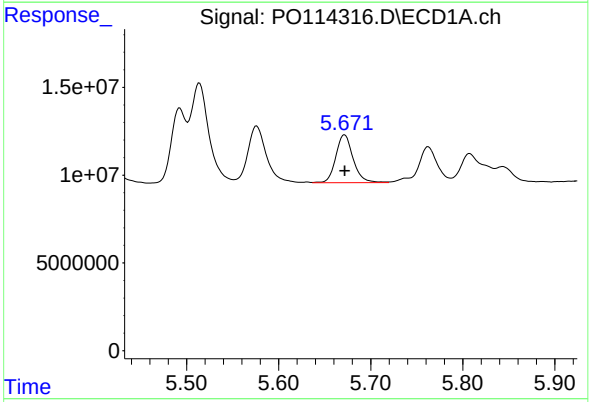
R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 45626305
Conc: 262.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



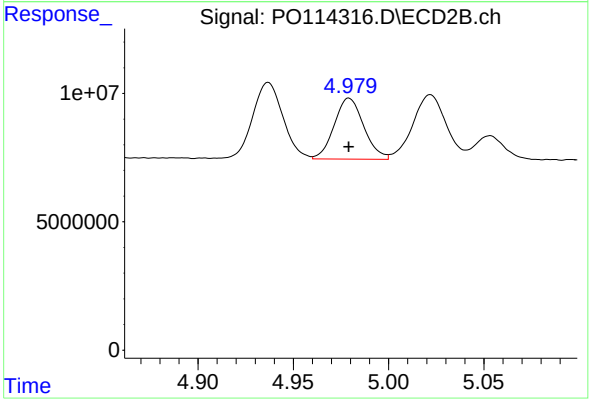
#5 AR-1016-3

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 32771742
Conc: 260.50 ng/ml



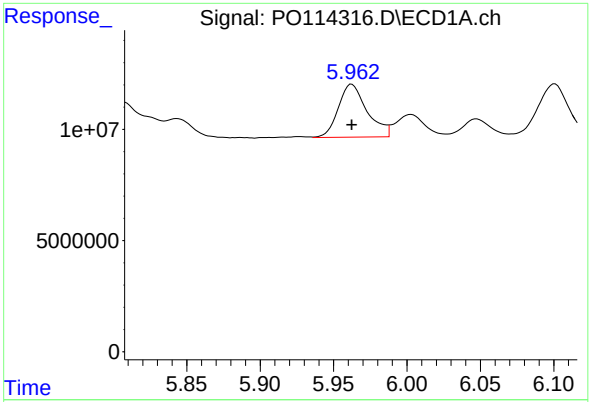
#6 AR-1016-4

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 35592047
Conc: 256.51 ng/ml



#6 AR-1016-4

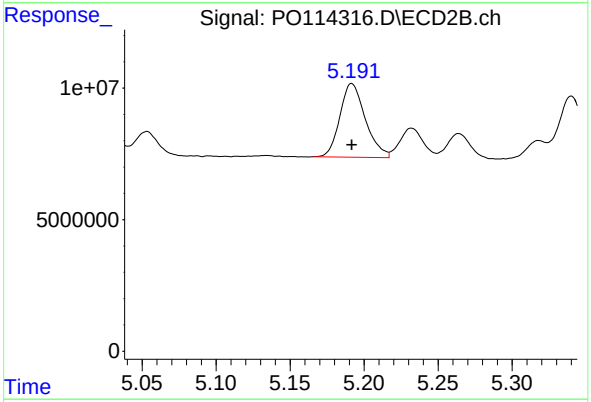
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 25674514
Conc: 262.14 ng/ml



#7 AR-1016-5

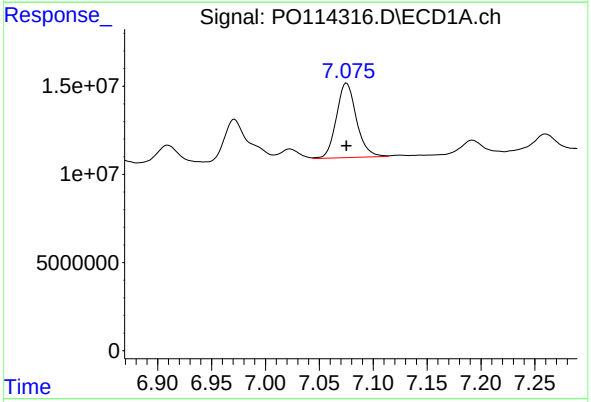
R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 32548646
Conc: 255.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



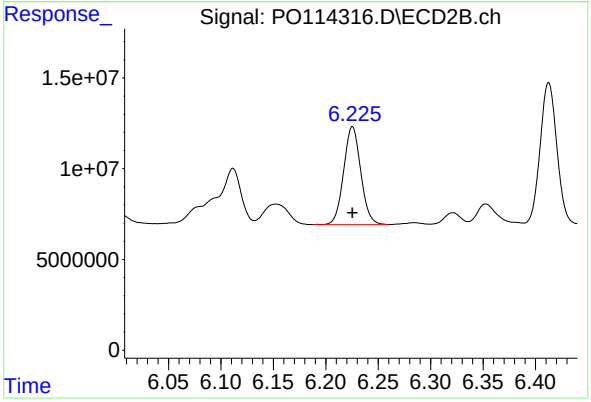
#7 AR-1016-5

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 33560019
Conc: 264.83 ng/ml



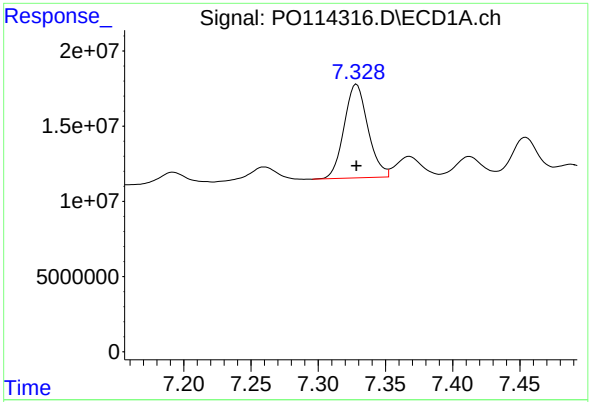
#31 AR-1260-1

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 54646550
Conc: 249.39 ng/ml



#31 AR-1260-1

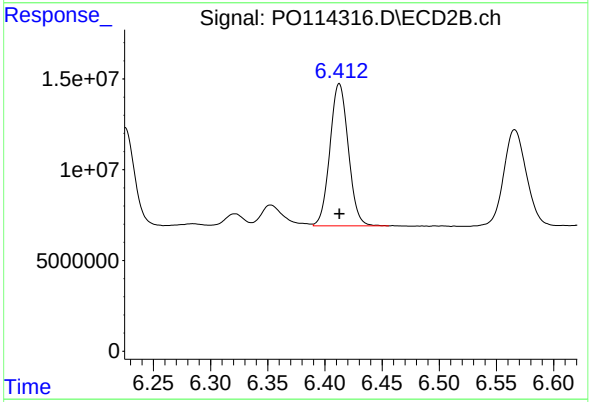
R.T.: 6.225 min
Delta R.T.: 0.000 min
Response: 61418348
Conc: 264.63 ng/ml



#32 AR-1260-2

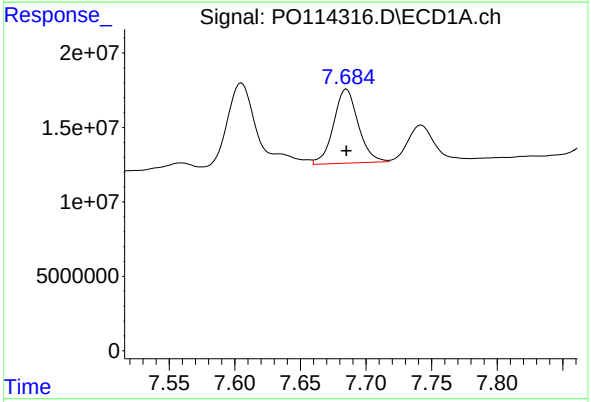
R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 76791974
Conc: 249.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



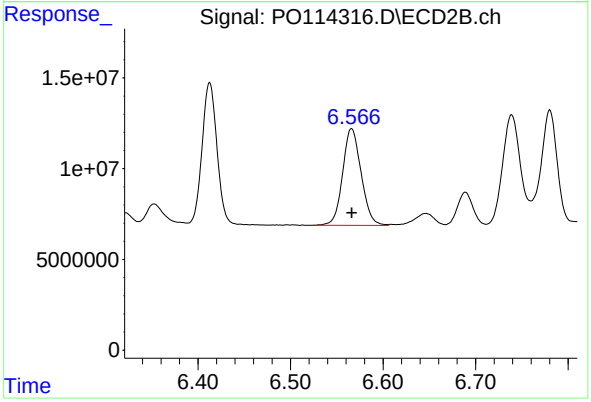
#32 AR-1260-2

R.T.: 6.413 min
Delta R.T.: 0.000 min
Response: 87622306
Conc: 262.86 ng/ml



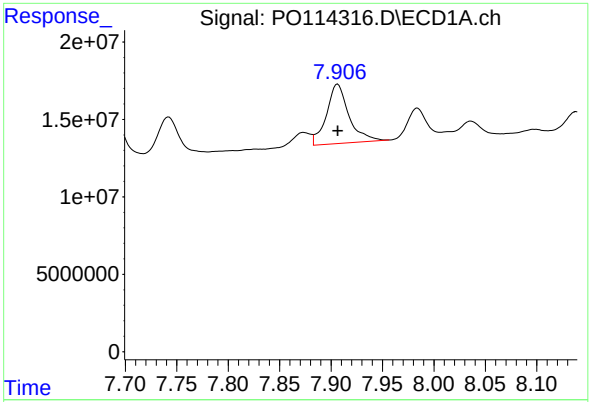
#33 AR-1260-3

R.T.: 7.685 min
Delta R.T.: 0.000 min
Response: 65114275
Conc: 247.19 ng/ml



#33 AR-1260-3

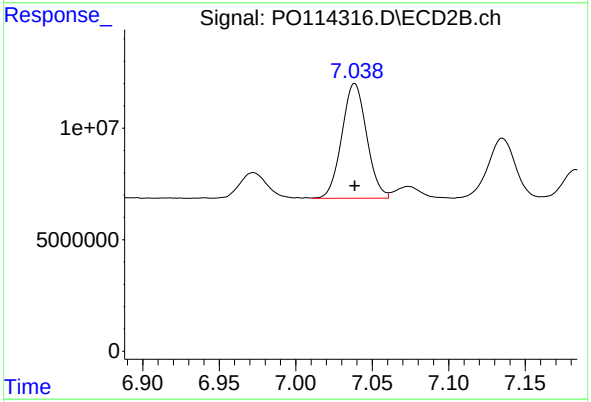
R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 74109581
Conc: 269.53 ng/ml



#34 AR-1260-4

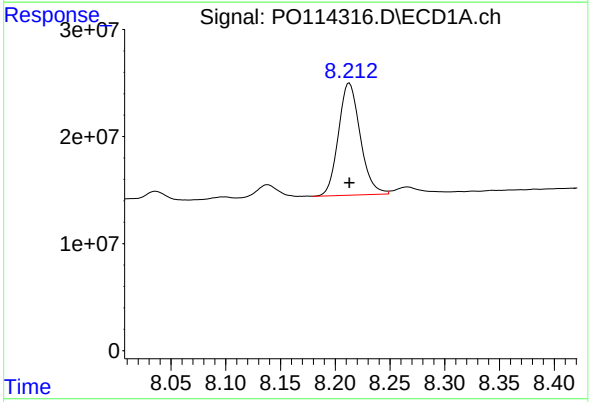
R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 58192264
Conc: 249.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



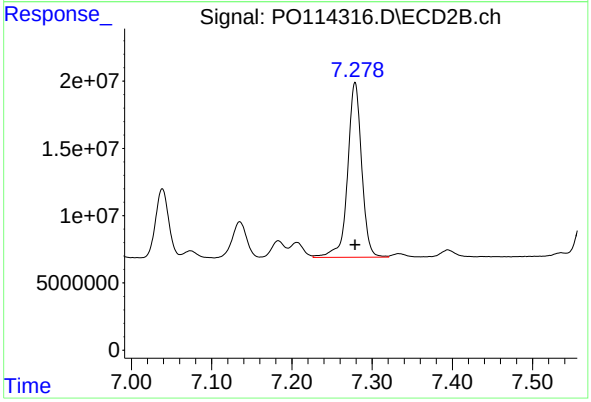
#34 AR-1260-4

R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 58227692
Conc: 260.63 ng/ml



#35 AR-1260-5

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 145284305
Conc: 245.51 ng/ml



#35 AR-1260-5

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 158063881
Conc: 255.51 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 15:27
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:50:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:49:52 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...	4.356	3.660	23830001	18995089	4.389	4.746	
2)	SA Decachlor...	9.932	8.671	16779332	16282457	4.608	4.885	
	Target Compounds							
3)	L1 AR-1016-1	5.493	4.742	9026038	8226466	50.045	48.855	
4)	L1 AR-1016-2	5.514	4.762	15081209	12067905	49.561	49.860	
5)	L1 AR-1016-3	5.576	4.937	9459697	5878216	53.489	47.346	
6)	L1 AR-1016-4	5.672	4.979	6637903	4543186	48.257	47.067	
7)	L1 AR-1016-5	5.963	5.193	6050400	6619465	47.918	51.773	
31)	L7 AR-1260-1	7.074	6.225	10657906	12452970	48.905	52.883	
32)	L7 AR-1260-2	7.327	6.412	15554062	16929233	50.650m	50.627	
33)	L7 AR-1260-3	7.685	6.566	11433440	18743632	44.580	63.550	#
34)	L7 AR-1260-4	7.906	7.039	11636453	11045144	49.959	49.550	
35)	L7 AR-1260-5	8.213	7.279	26688091	29514111	46.001	48.150	

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 15:27
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

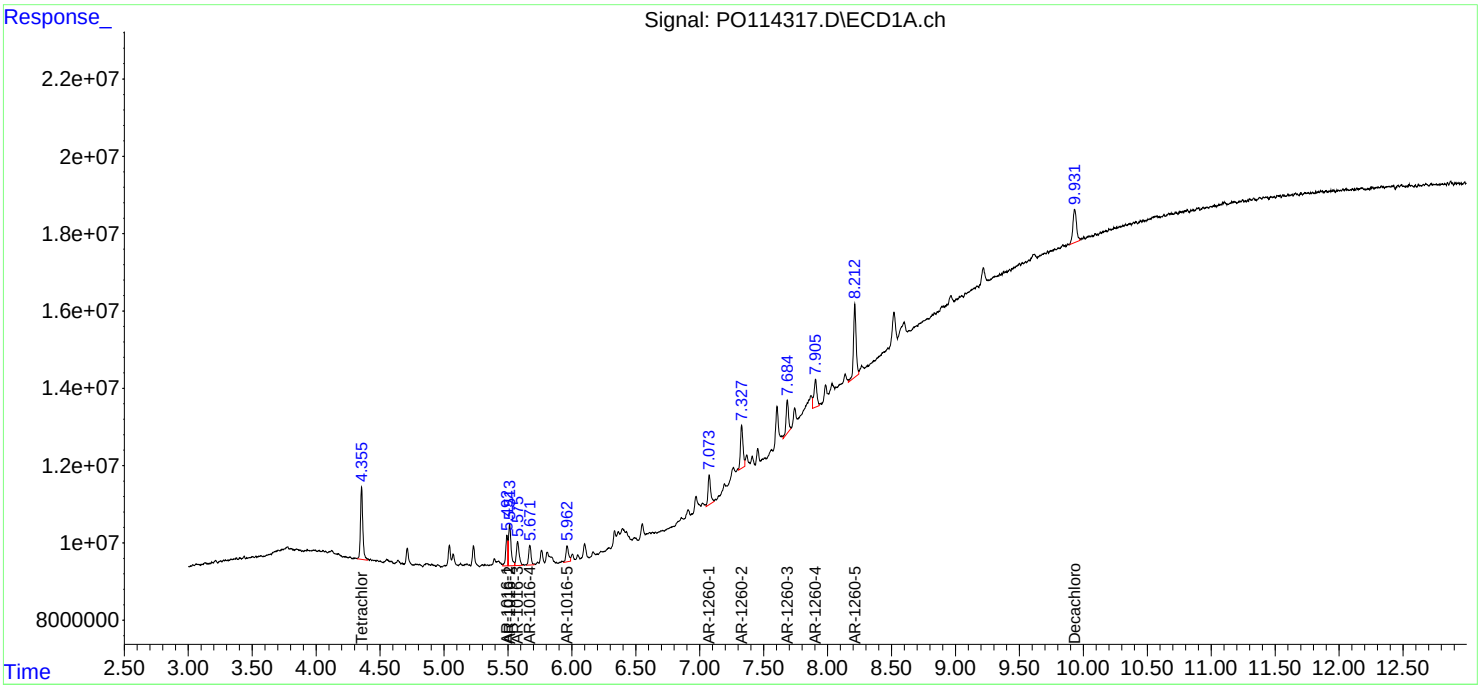
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

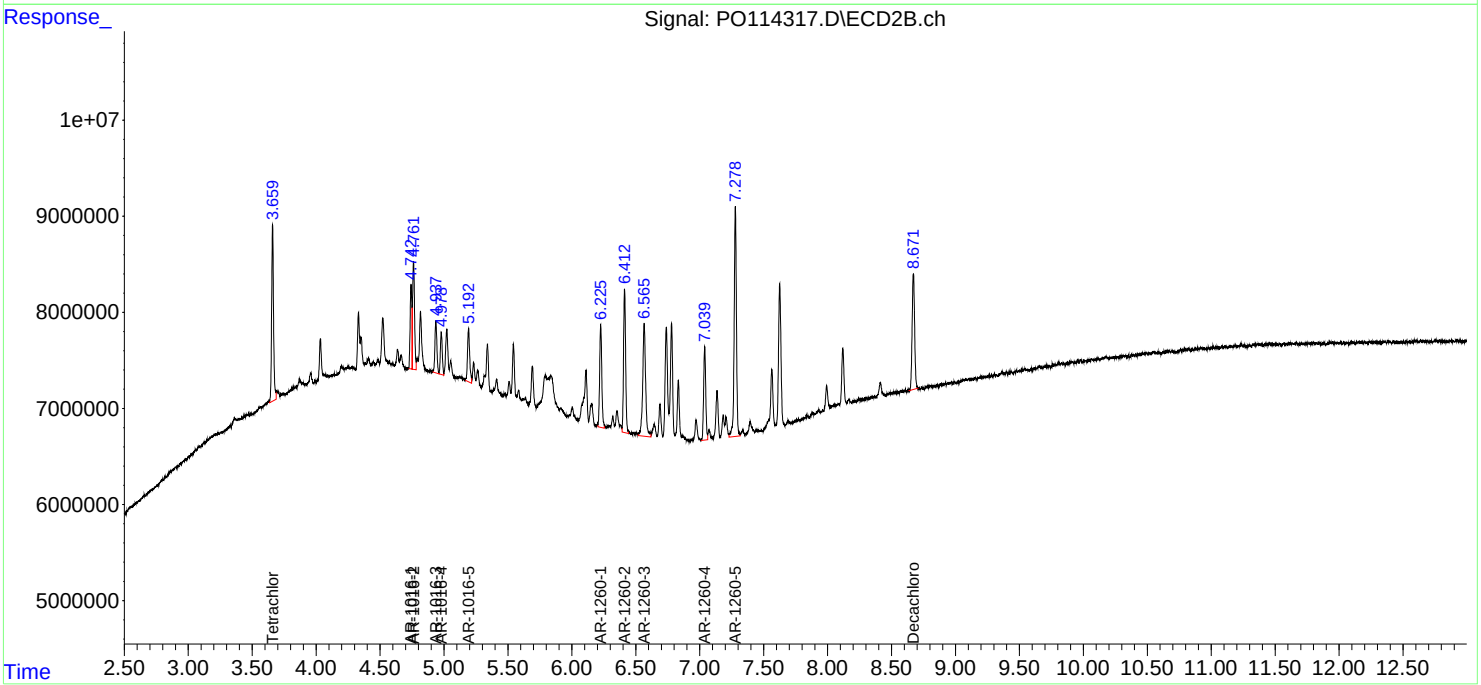
Manual Integrations APPROVED

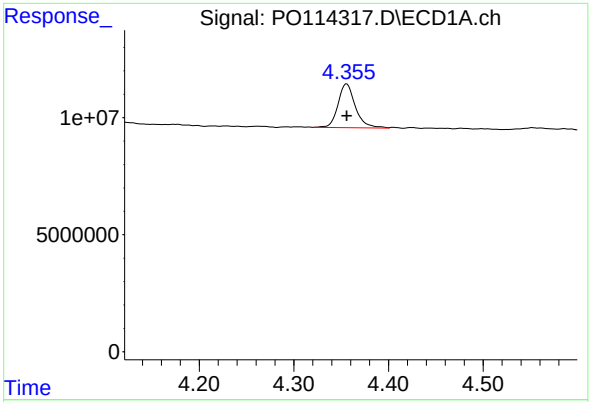
Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 15:50:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Oct 09 15:49:52 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







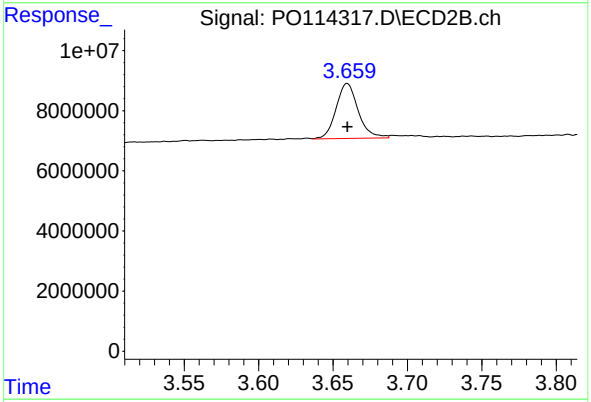
#1 Tetrachloro-m-xylene

R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 23830001
Conc: 4.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

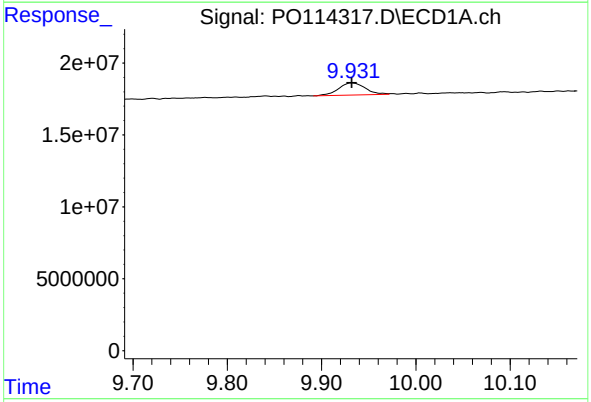
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



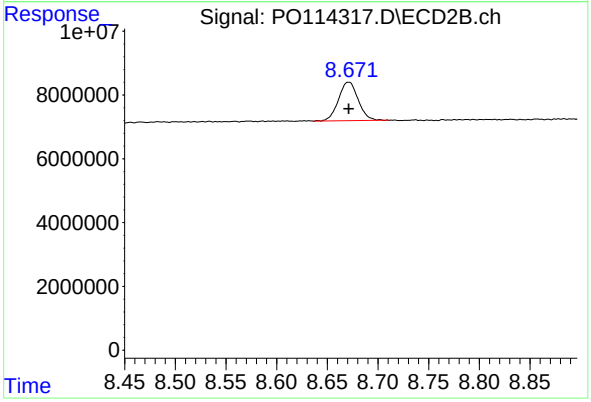
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 18995089
Conc: 4.75 ng/ml



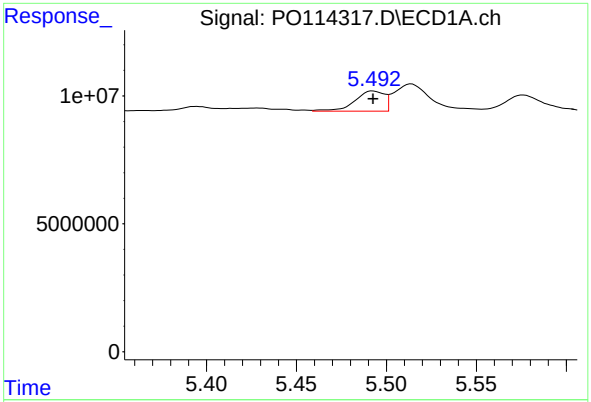
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 16779332
Conc: 4.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 16282457
Conc: 4.88 ng/ml



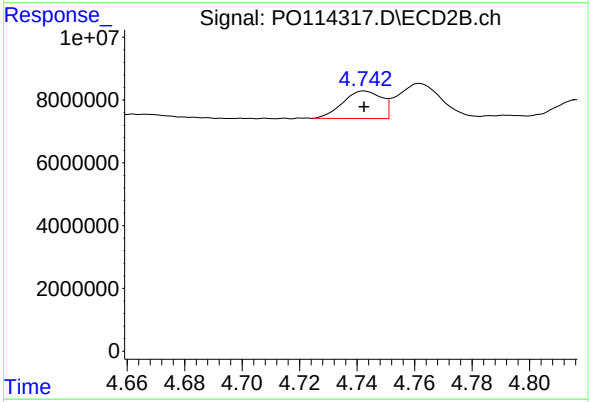
#3 AR-1016-1

R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 9026038
Conc: 50.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

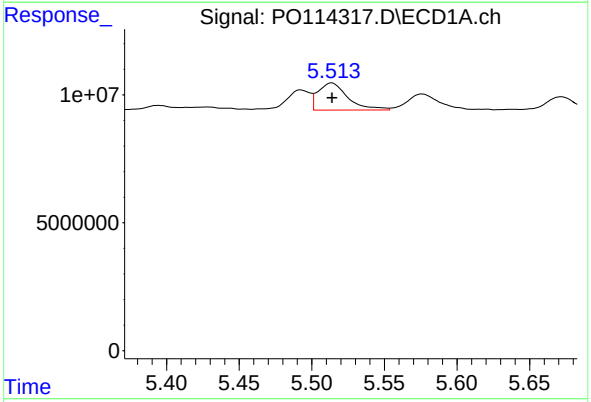
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



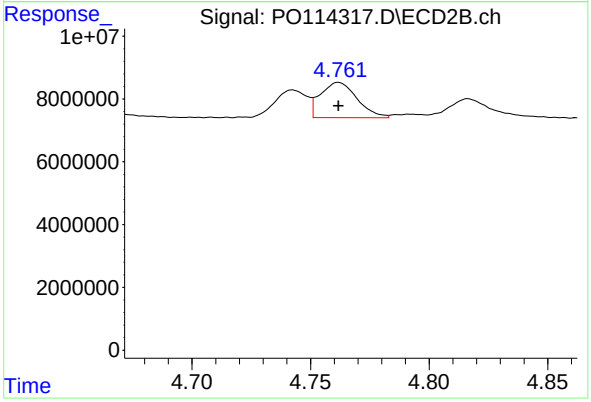
#3 AR-1016-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 8226466
Conc: 48.86 ng/ml



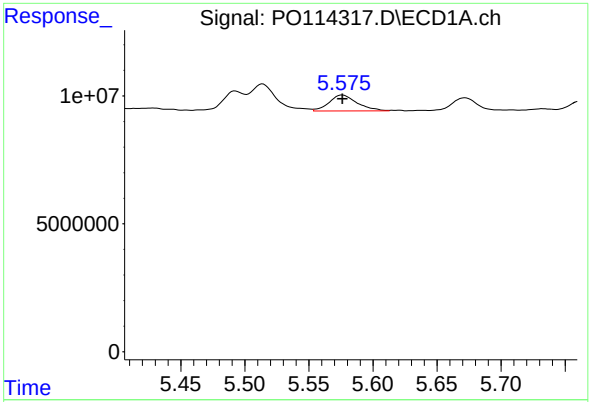
#4 AR-1016-2

R.T.: 5.514 min
Delta R.T.: 0.000 min
Response: 15081209
Conc: 49.56 ng/ml



#4 AR-1016-2

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 12067905
Conc: 49.86 ng/ml



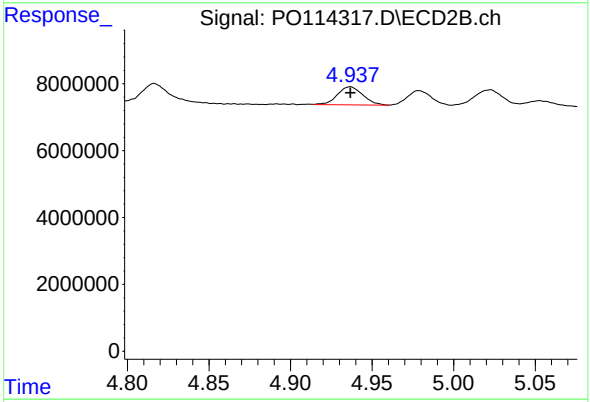
#5 AR-1016-3

R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 9459697
Conc: 53.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

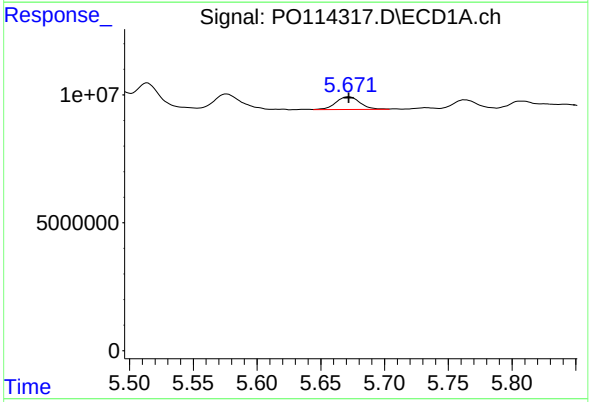
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



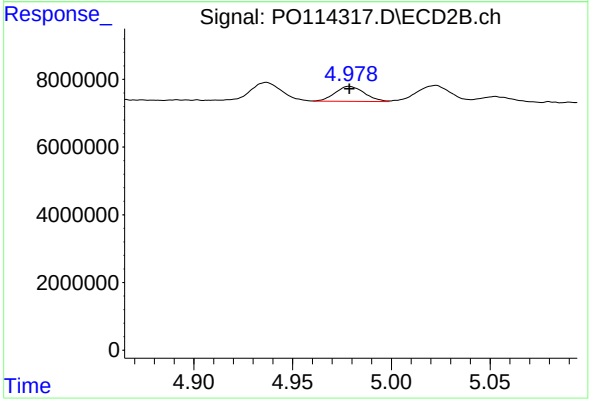
#5 AR-1016-3

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 5878216
Conc: 47.35 ng/ml



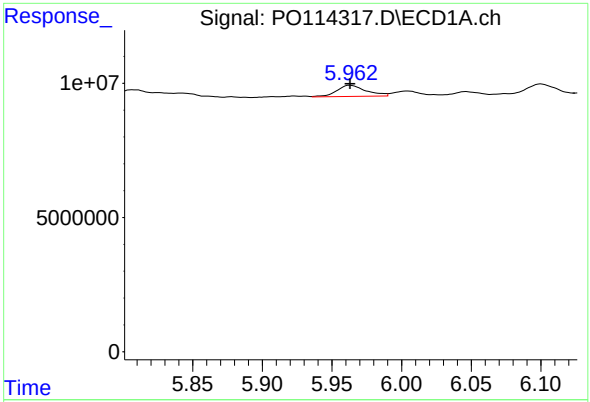
#6 AR-1016-4

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 6637903
Conc: 48.26 ng/ml



#6 AR-1016-4

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 4543186
Conc: 47.07 ng/ml



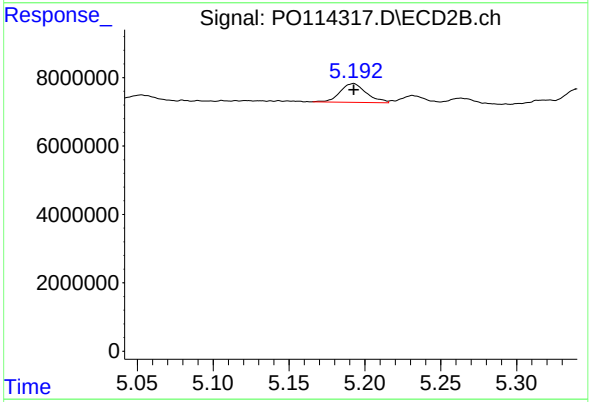
#7 AR-1016-5

R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 6050400
Conc: 47.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

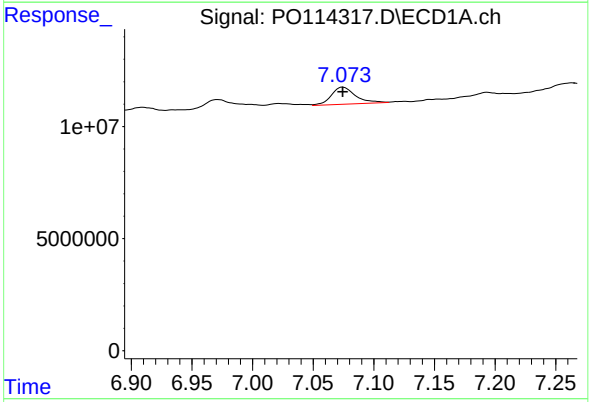
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



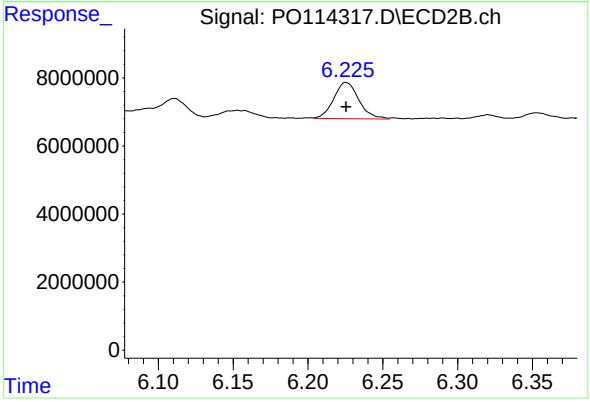
#7 AR-1016-5

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 6619465
Conc: 51.77 ng/ml



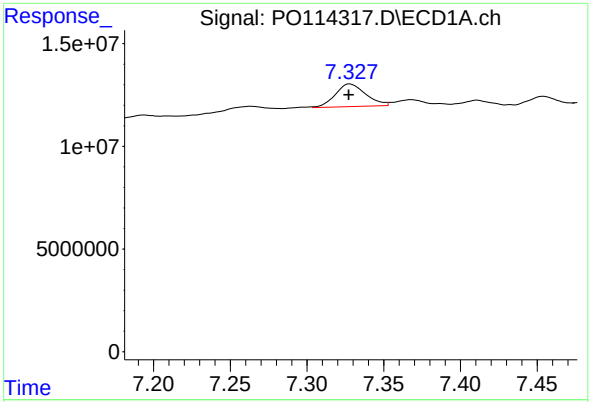
#31 AR-1260-1

R.T.: 7.074 min
Delta R.T.: 0.000 min
Response: 10657906
Conc: 48.90 ng/ml



#31 AR-1260-1

R.T.: 6.225 min
Delta R.T.: 0.000 min
Response: 12452970
Conc: 52.88 ng/ml



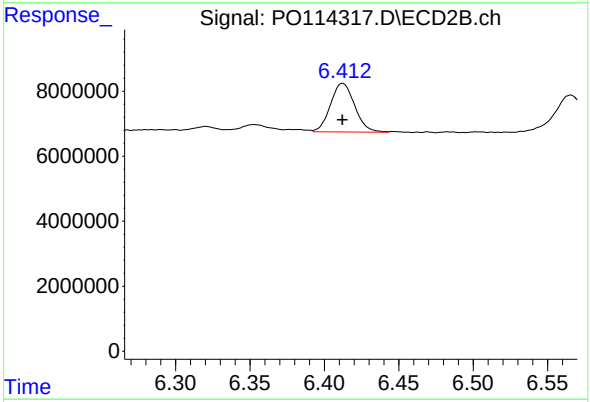
#32 AR-1260-2

R.T.: 7.327 min
Delta R.T.: 0.000 min
Response: 15554062
Conc: 50.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

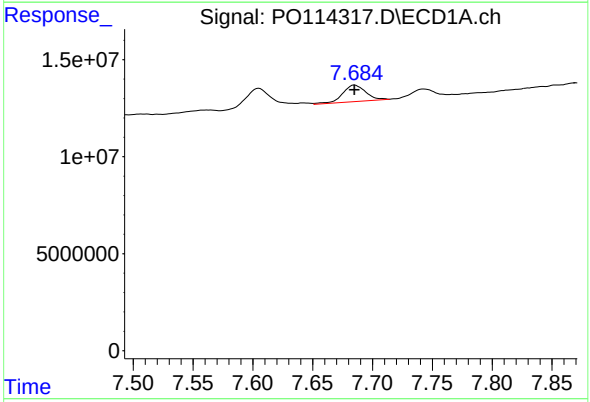
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



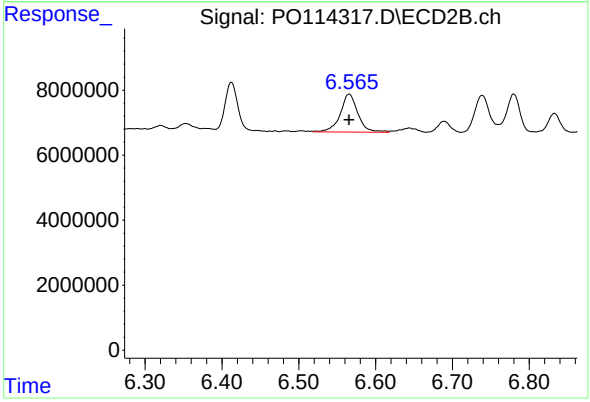
#32 AR-1260-2

R.T.: 6.412 min
Delta R.T.: 0.000 min
Response: 16929233
Conc: 50.63 ng/ml



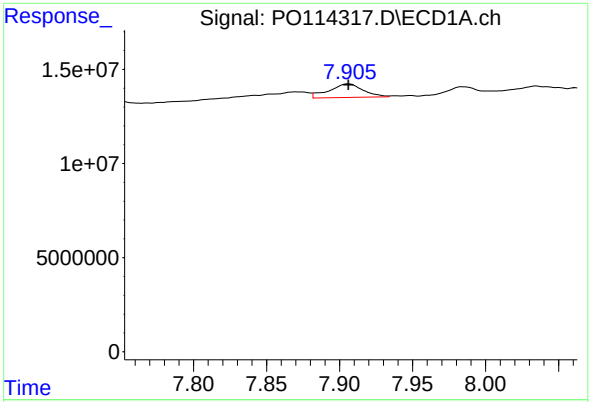
#33 AR-1260-3

R.T.: 7.685 min
Delta R.T.: 0.000 min
Response: 11433440
Conc: 44.58 ng/ml



#33 AR-1260-3

R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 18743632
Conc: 63.55 ng/ml



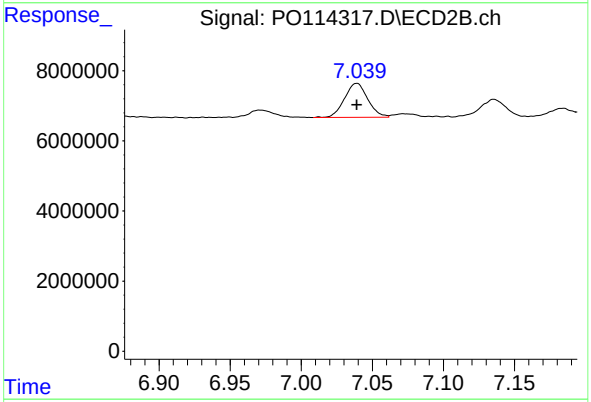
#34 AR-1260-4

R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 11636453
Conc: 49.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

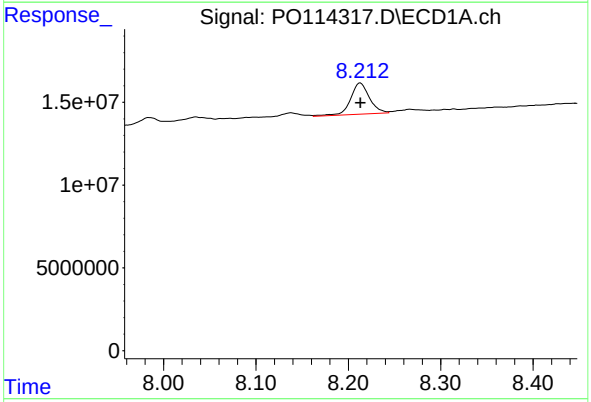
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



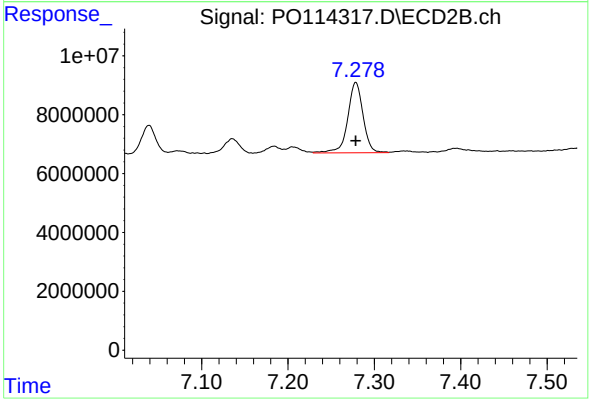
#34 AR-1260-4

R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 11045144
Conc: 49.55 ng/ml



#35 AR-1260-5

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 26688091
Conc: 46.00 ng/ml



#35 AR-1260-5

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 29514111
Conc: 48.15 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 15:45
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 02:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:14:21 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...	4.356	3.660	288.6E6	207.2E6	50.000	50.000
2)	SA Decachlor...	9.933	8.671	186.4E6	175.2E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.556	3.873	32514894	27415988	500.000	500.000
9)	L2 AR-1221-2	4.639	3.957	22925746	20232677	500.000	500.000
10)	L2 AR-1221-3	4.713	4.034	75238574	64224491	500.000	500.000

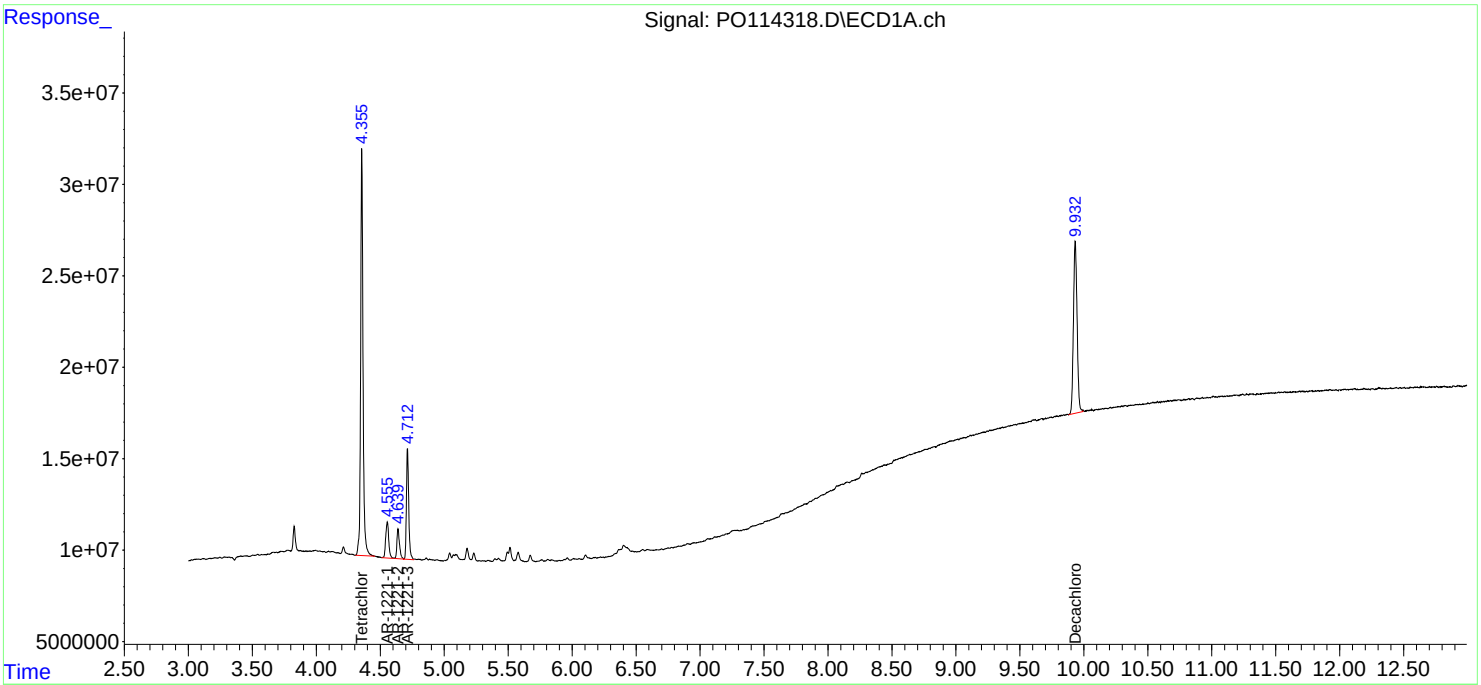
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

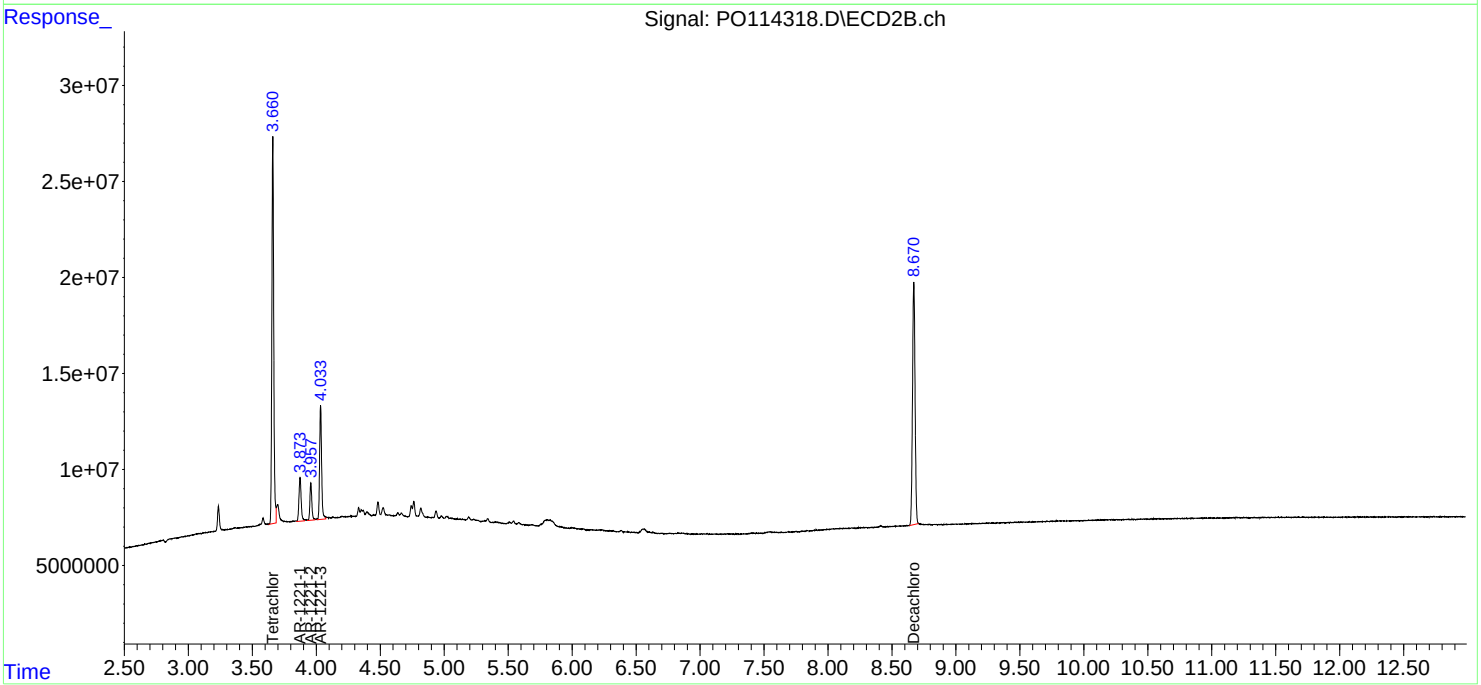
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 15:45
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

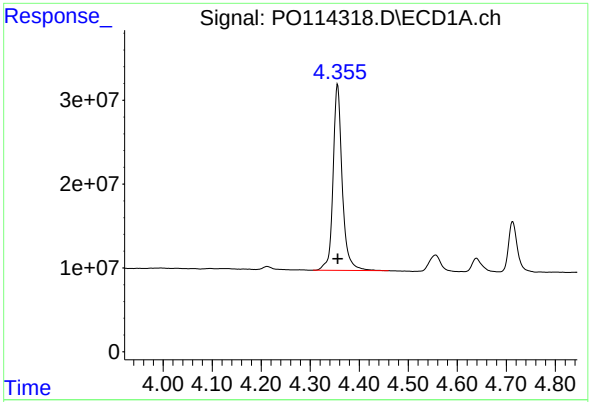
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 02:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:14:21 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



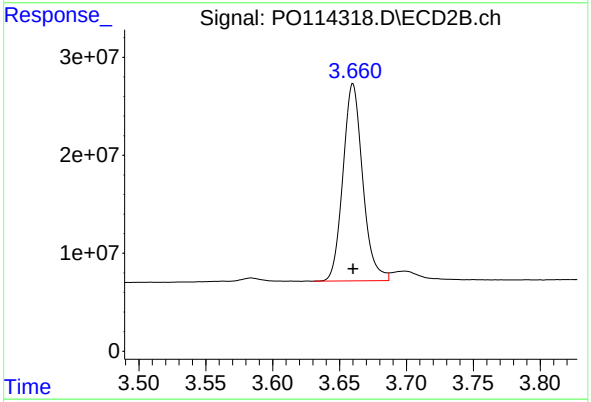




#1 Tetrachloro-m-xylene

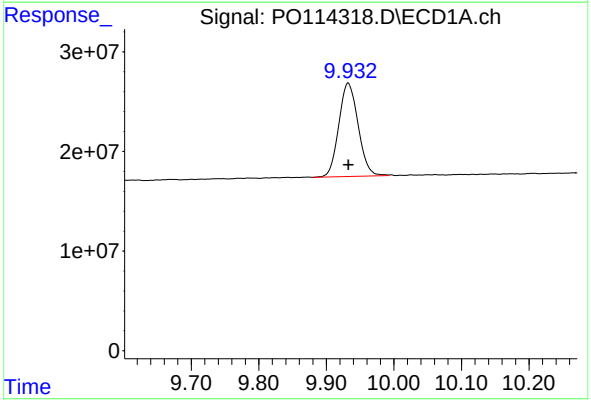
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 288601942
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



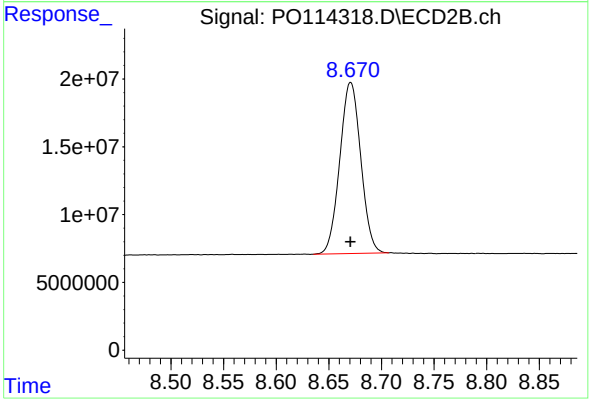
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 207218926
Conc: 50.00 ng/ml



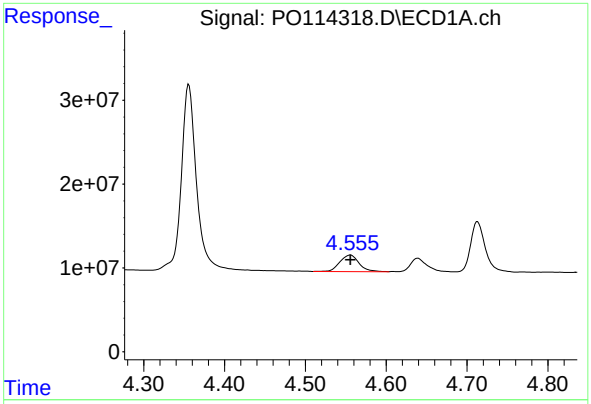
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 186411513
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

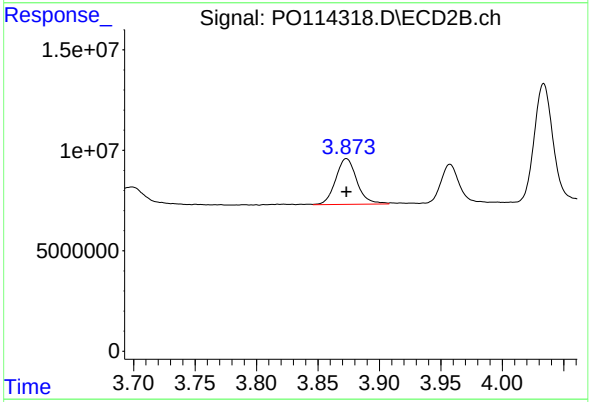
R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 175233346
Conc: 50.00 ng/ml



#8 AR-1221-1

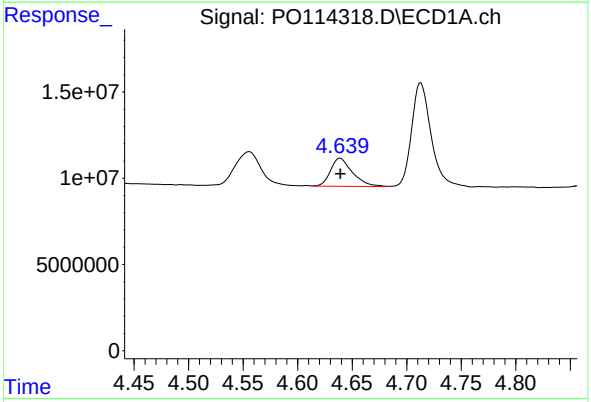
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 32514894
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



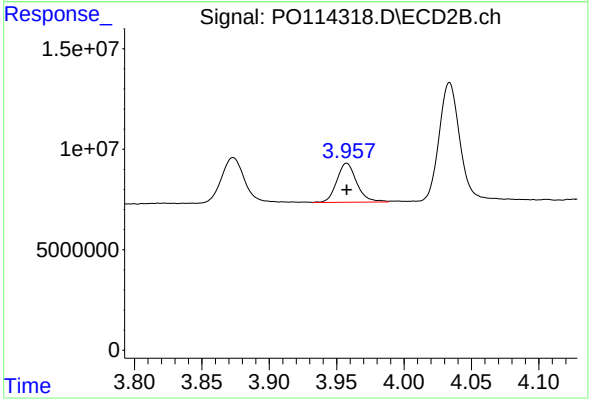
#8 AR-1221-1

R.T.: 3.873 min
Delta R.T.: 0.000 min
Response: 27415988
Conc: 500.00 ng/ml



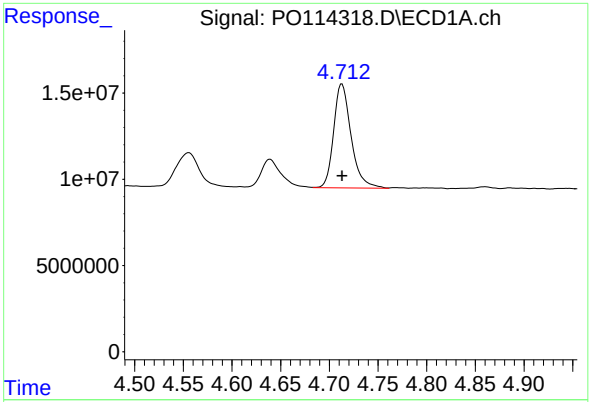
#9 AR-1221-2

R.T.: 4.639 min
Delta R.T.: 0.000 min
Response: 22925746
Conc: 500.00 ng/ml



#9 AR-1221-2

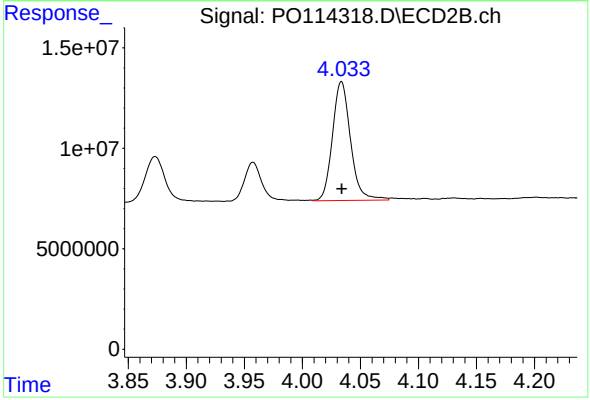
R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 20232677
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 75238574
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.034 min
Delta R.T.: 0.000 min
Response: 64224491
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:04
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 02:41:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:30:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.356	3.660	302.6E6	220.9E6	50.000	50.000
2)	SA Decachlor...	9.934	8.672	196.9E6	187.6E6	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.713	4.034	61030294	52326043	500.000	500.000
12)	L3 AR-1232-2	5.232	4.762	27033006	51440164	500.000	500.000
13)	L3 AR-1232-3	5.515	4.937	60677577	25618572	500.000	500.000
14)	L3 AR-1232-4	5.673	5.022	27015759	21817348	500.000	500.000
15)	L3 AR-1232-5	5.764	5.192	18674393	24026014	500.000	500.000

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

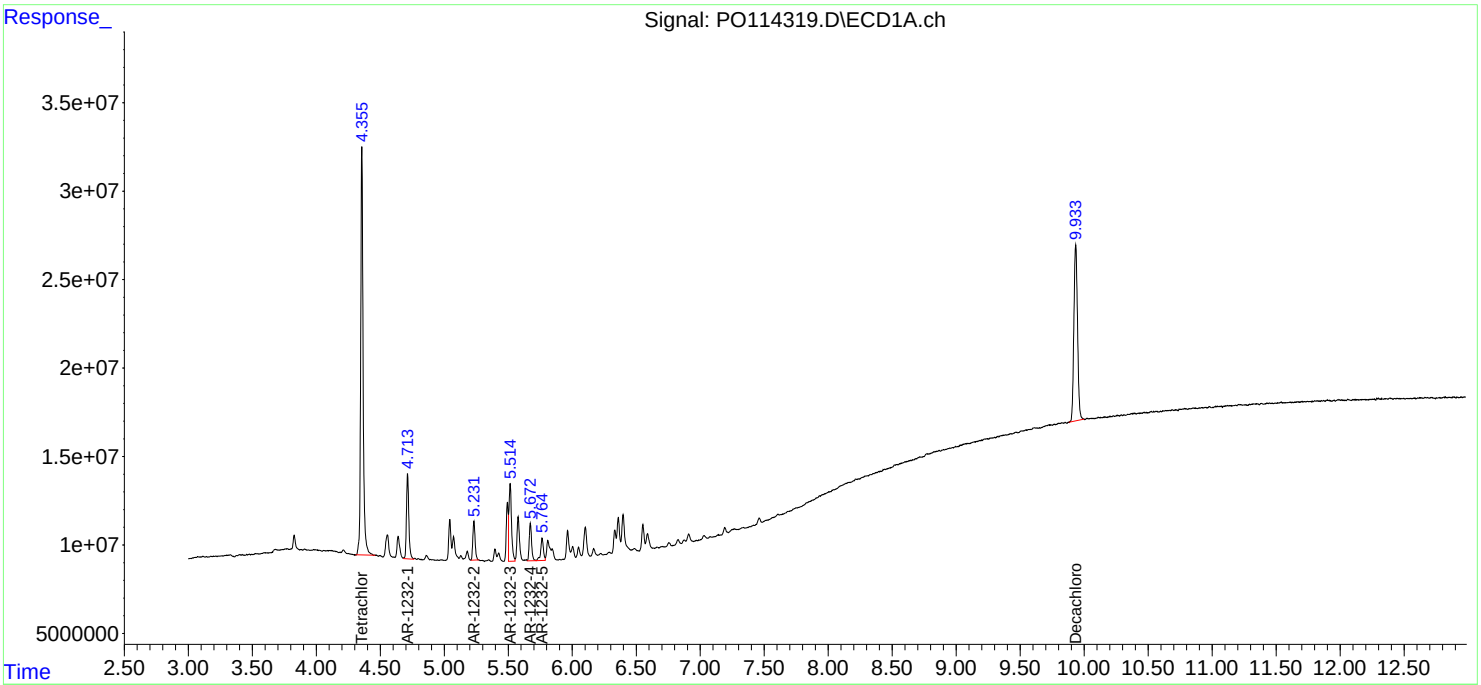
ICAL Form

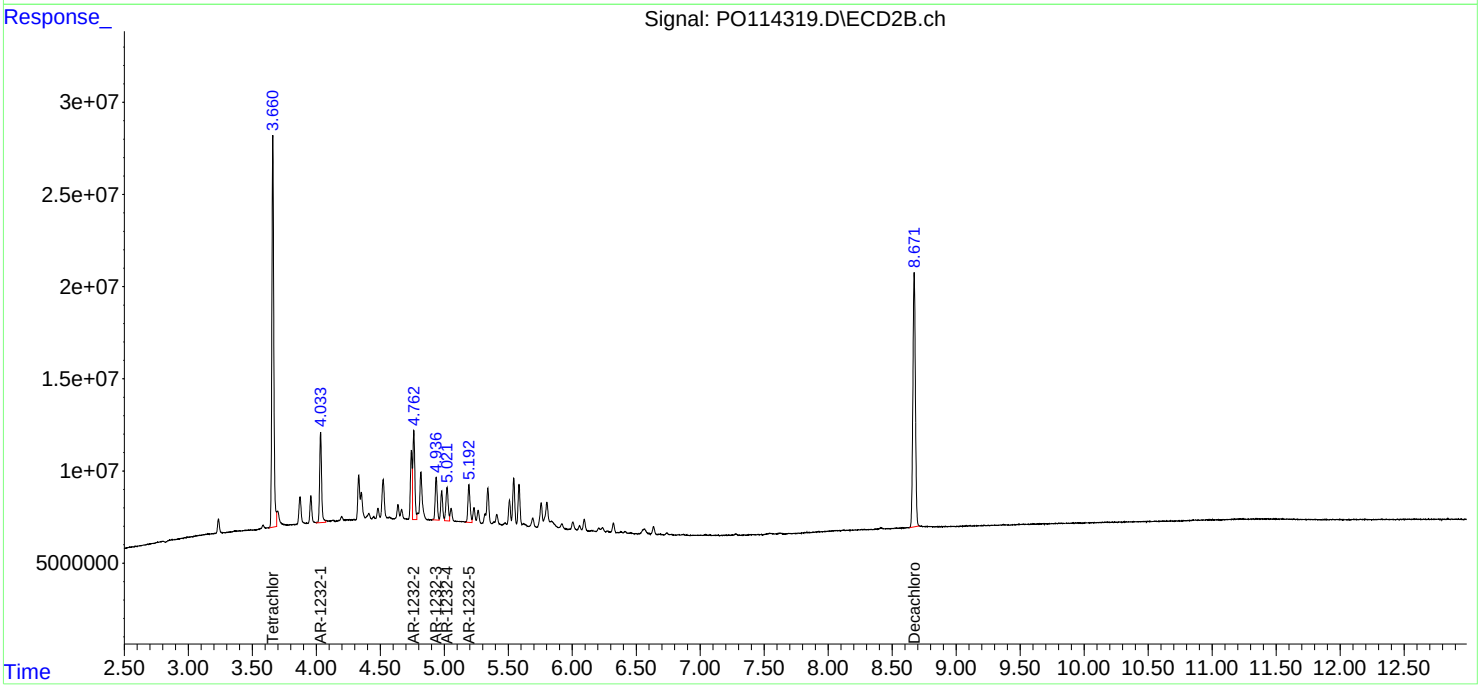
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:04
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

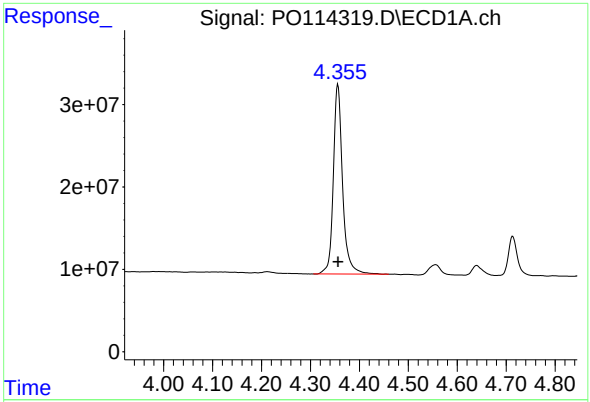
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 02:41:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:30:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



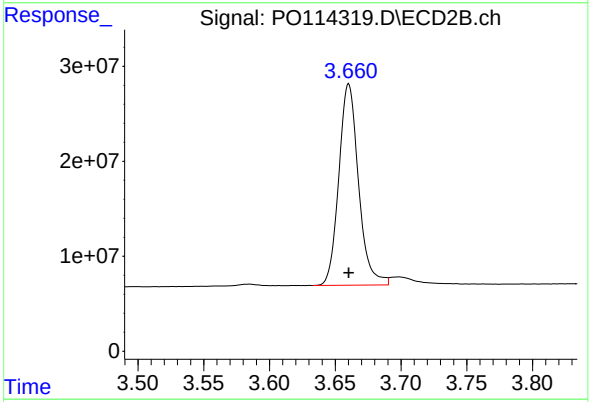




#1 Tetrachloro-m-xylene

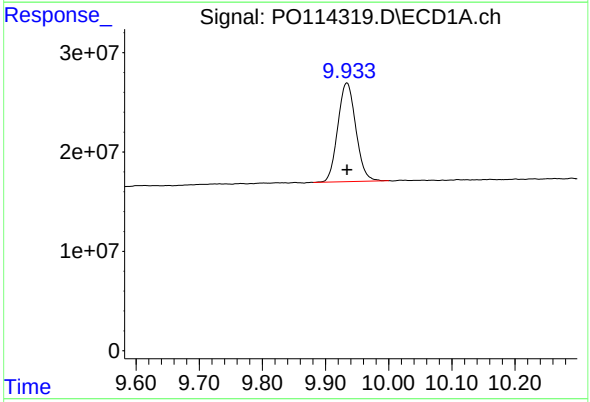
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 302629783
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



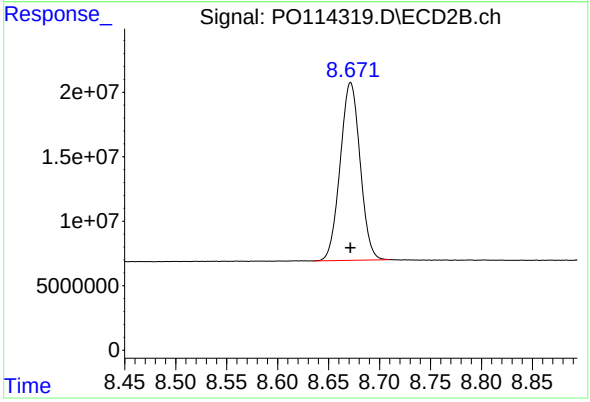
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 220918421
Conc: 50.00 ng/ml



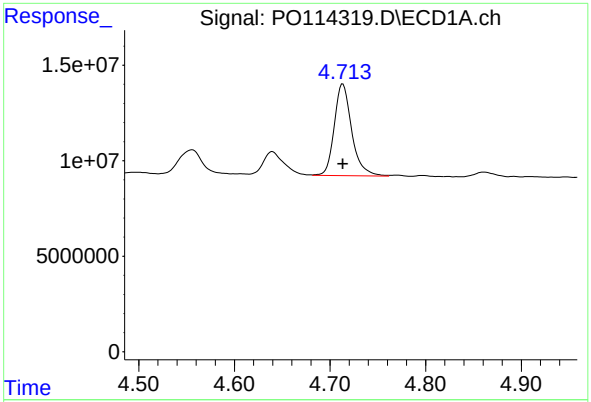
#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 196852054
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

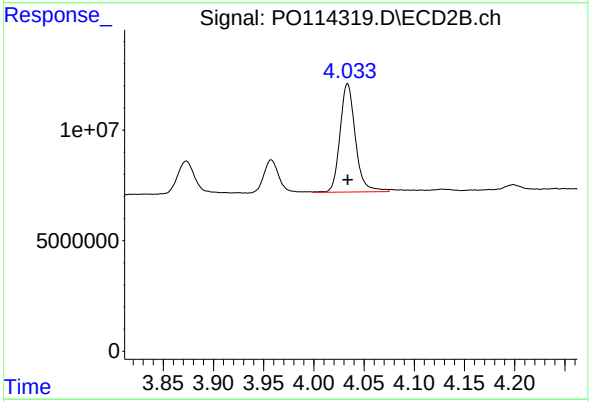
R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 187559705
Conc: 50.00 ng/ml



#11 AR-1232-1

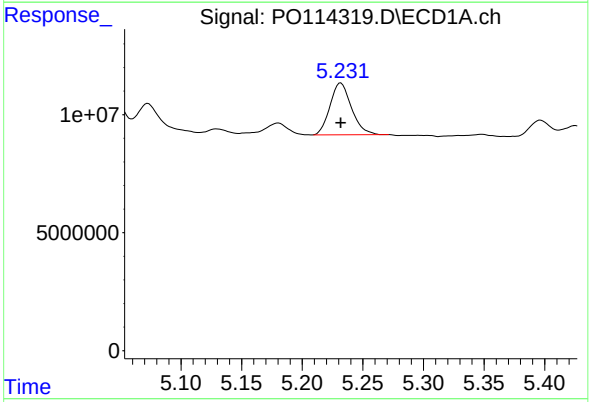
R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 61030294
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



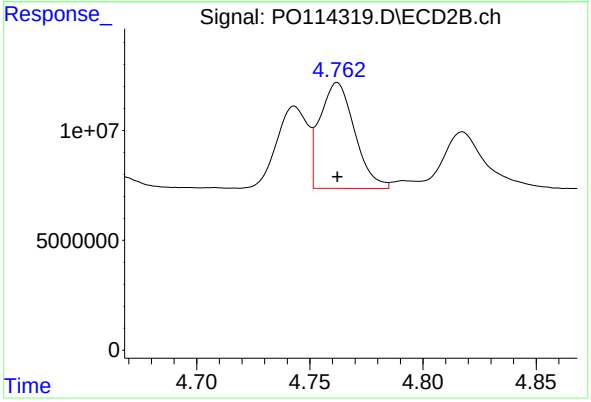
#11 AR-1232-1

R.T.: 4.034 min
Delta R.T.: 0.000 min
Response: 52326043
Conc: 500.00 ng/ml



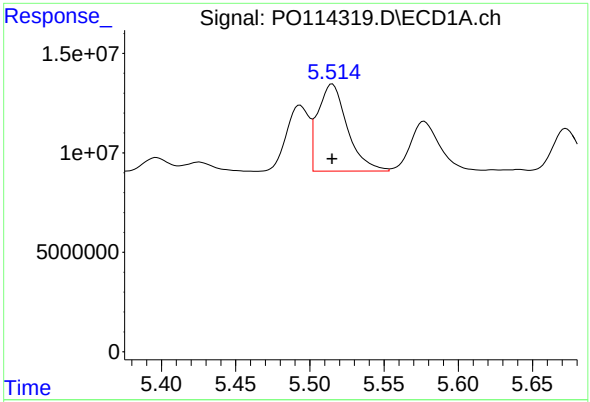
#12 AR-1232-2

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 27033006
Conc: 500.00 ng/ml



#12 AR-1232-2

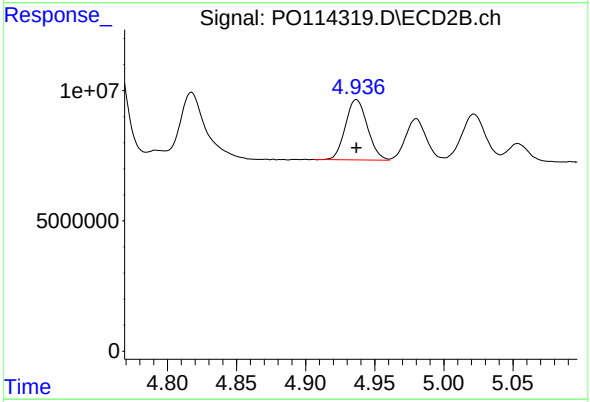
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 51440164
Conc: 500.00 ng/ml



#13 AR-1232-3

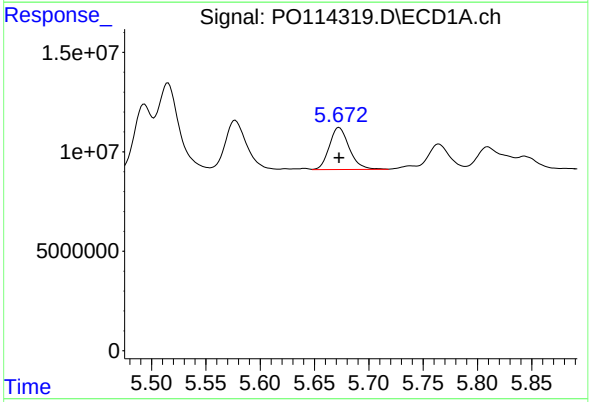
R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 60677577
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



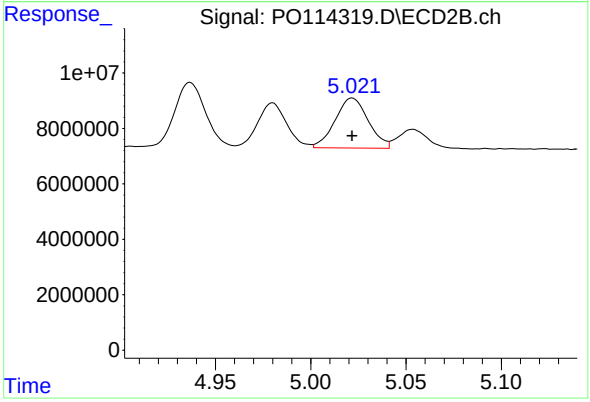
#13 AR-1232-3

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 25618572
Conc: 500.00 ng/ml



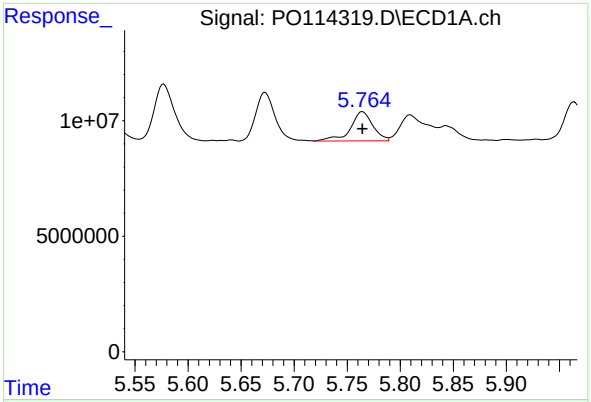
#14 AR-1232-4

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 27015759
Conc: 500.00 ng/ml



#14 AR-1232-4

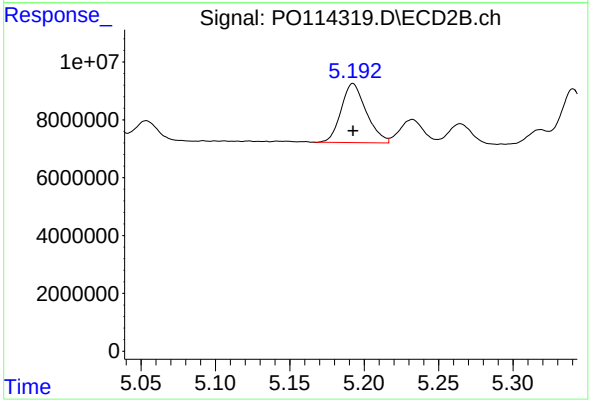
R.T.: 5.022 min
Delta R.T.: 0.000 min
Response: 21817348
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.764 min
Delta R.T.: 0.000 min
Response: 18674393
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 24026014
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:22
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:01:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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...	4.355	3.660	580.4E6	443.2E6	98.479	101.194
2)	SA Decachlor...	9.933	8.672	380.3E6	351.7E6	98.499	93.601
	Target Compounds						
16)	L4 AR-1242-1	5.493	4.743	126.7E6	122.5E6	938.425	935.032
17)	L4 AR-1242-2	5.514	4.762	212.4E6	175.9E6	955.211	941.677
18)	L4 AR-1242-3	5.576	4.937	119.1E6	92492282	947.715	943.100
19)	L4 AR-1242-4	5.672	5.021	99737299	86300671	972.751	935.003
20)	L4 AR-1242-5	6.397	5.542	103.0E6	113.1E6	921.866	921.779

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

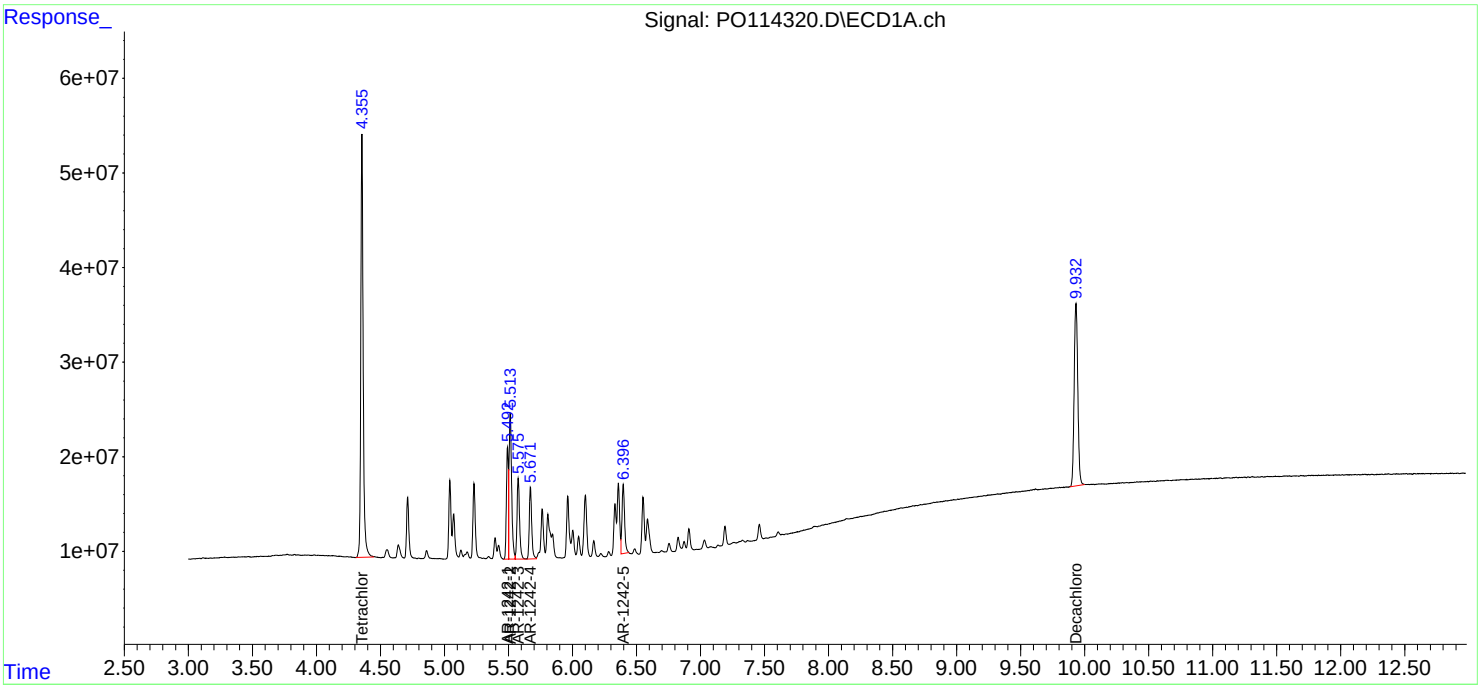
ICAL Form

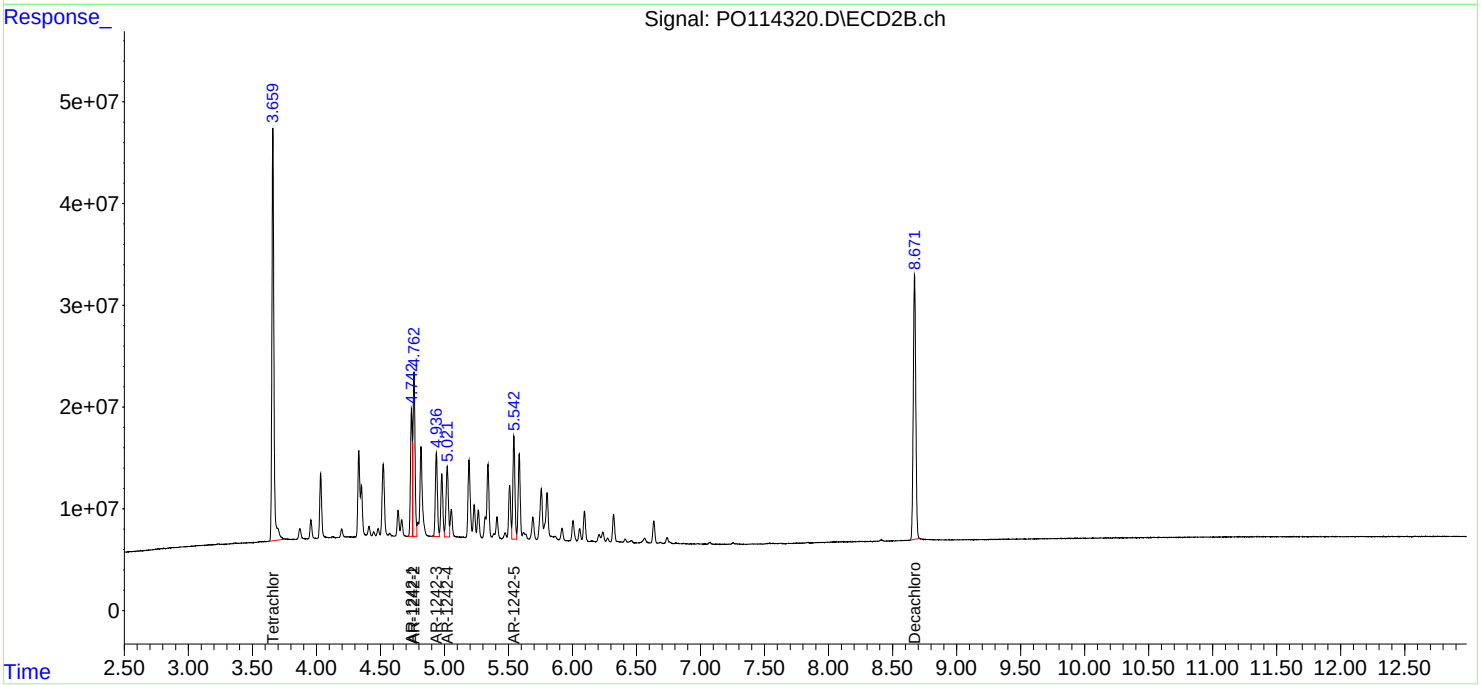
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:22
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

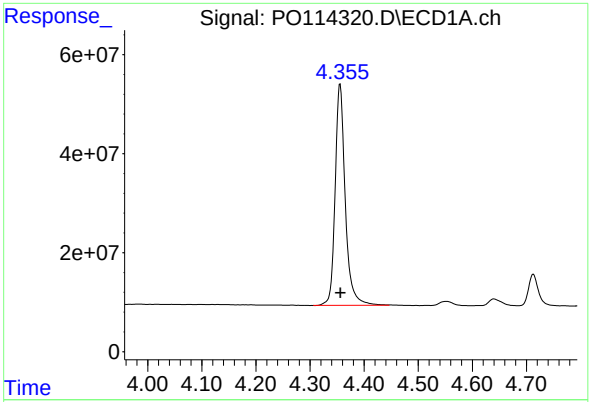
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:01:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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



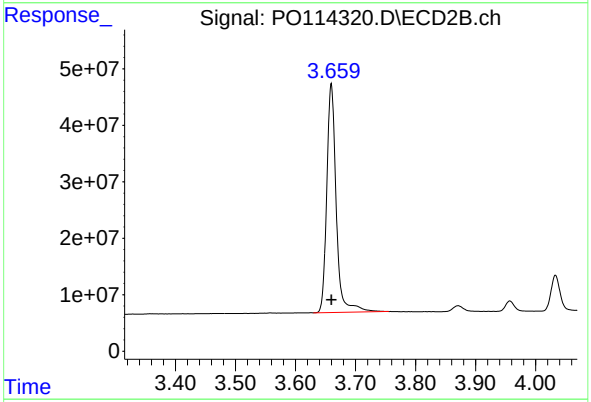




#1 Tetrachloro-m-xylene

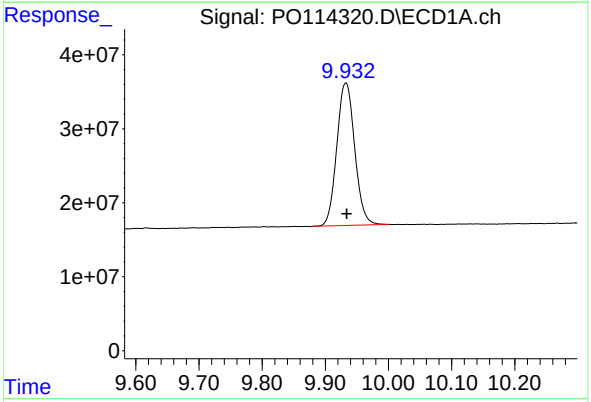
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 580434374
Conc: 98.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



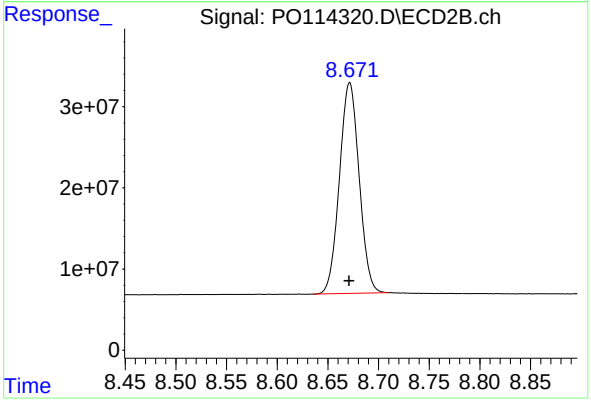
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 443207707
Conc: 101.19 ng/ml



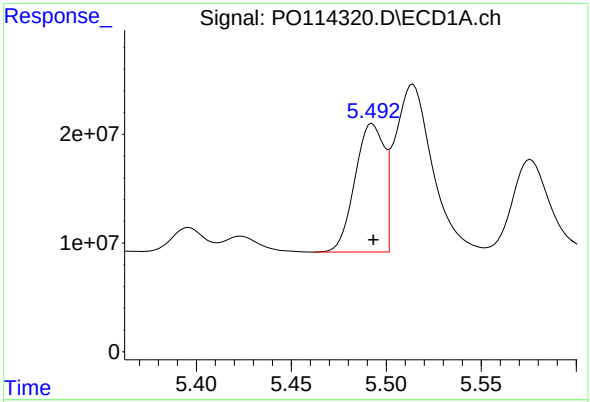
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: -0.001 min
Response: 380303696
Conc: 98.50 ng/ml



#2 Decachlorobiphenyl

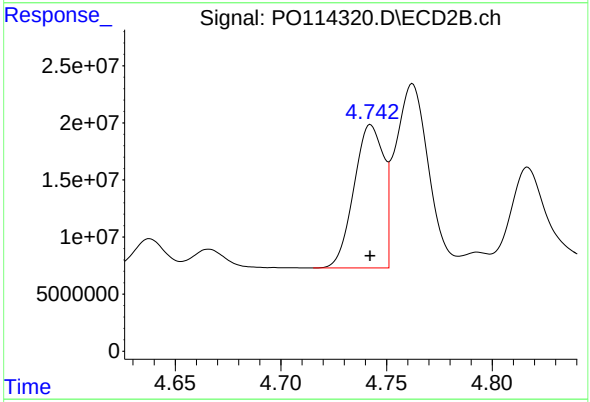
R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 351710959
Conc: 93.60 ng/ml



#16 AR-1242-1

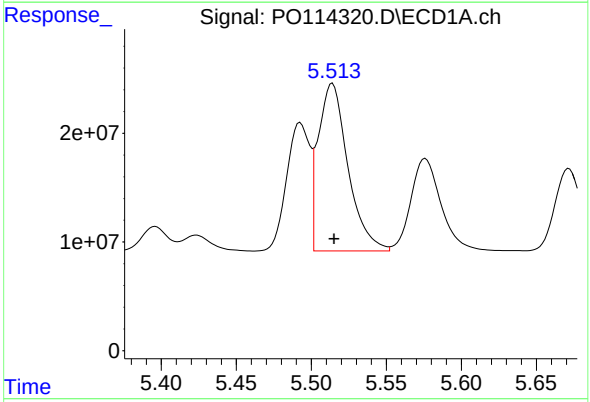
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 126706434
Conc: 938.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



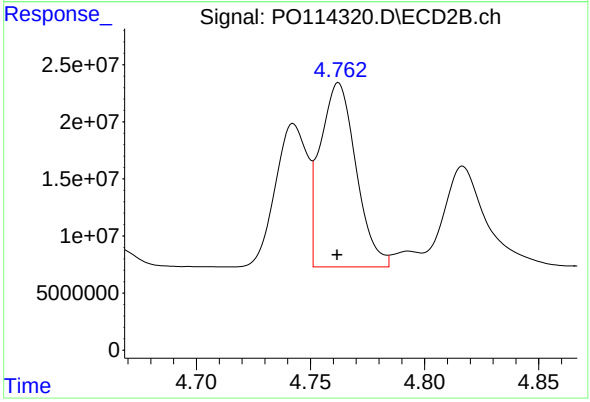
#16 AR-1242-1

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 122498620
Conc: 935.03 ng/ml



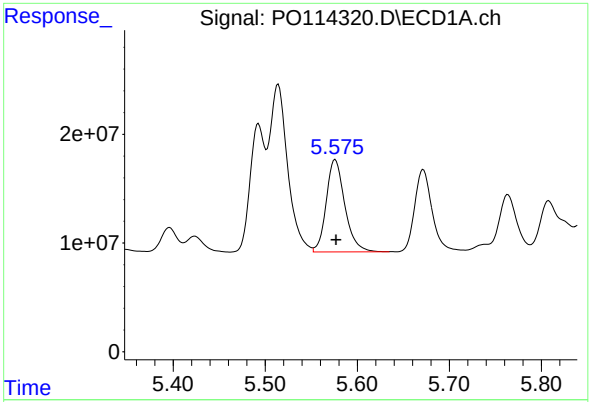
#17 AR-1242-2

R.T.: 5.514 min
Delta R.T.: -0.001 min
Response: 212392946
Conc: 955.21 ng/ml



#17 AR-1242-2

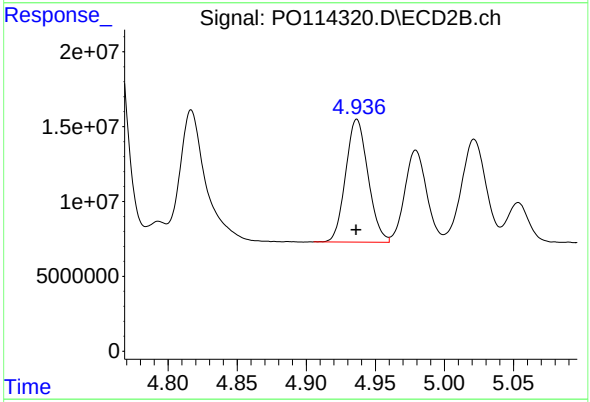
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 175860987
Conc: 941.68 ng/ml



#18 AR-1242-3

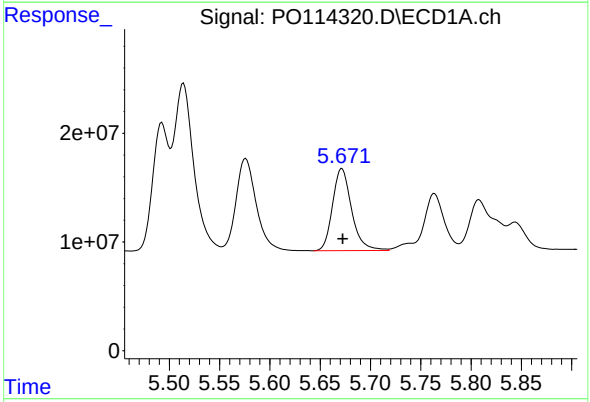
R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 119144042
Conc: 947.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



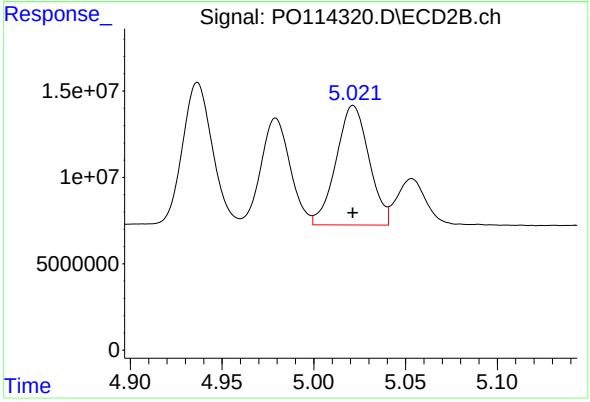
#18 AR-1242-3

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 92492282
Conc: 943.10 ng/ml



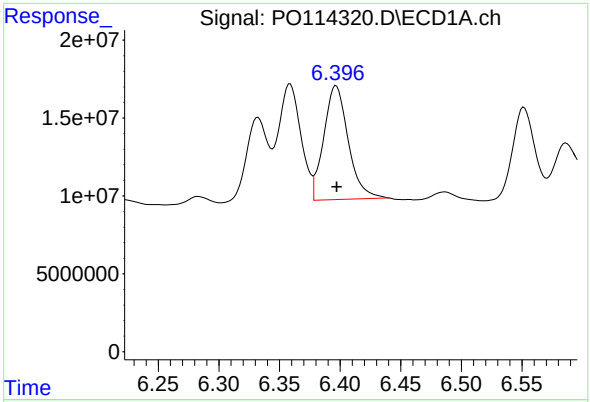
#19 AR-1242-4

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 99737299
Conc: 972.75 ng/ml



#19 AR-1242-4

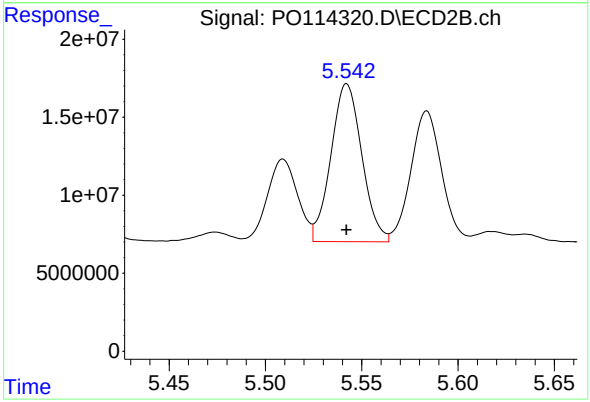
R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 86300671
Conc: 935.00 ng/ml



#20 AR-1242-5

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 103047071
Conc: 921.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 113144641
Conc: 921.78 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:40
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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...	4.356	3.660	444.7E6	330.9E6	75.444	75.556
2)	SA Decachlor...	9.932	8.669	293.2E6	276.1E6	75.944	73.487
	Target Compounds						
16)	L4 AR-1242-1	5.492	4.742	99134451	96798286	734.219	738.861
17)	L4 AR-1242-2	5.513	4.761	164.9E6	137.4E6	741.436	735.962
18)	L4 AR-1242-3	5.576	4.936	93091498	72083589	740.483	735.002
19)	L4 AR-1242-4	5.671	5.021	76402643	67429306	745.165	730.546
20)	L4 AR-1242-5	6.396	5.541	79672910	89372310	712.759	728.108

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

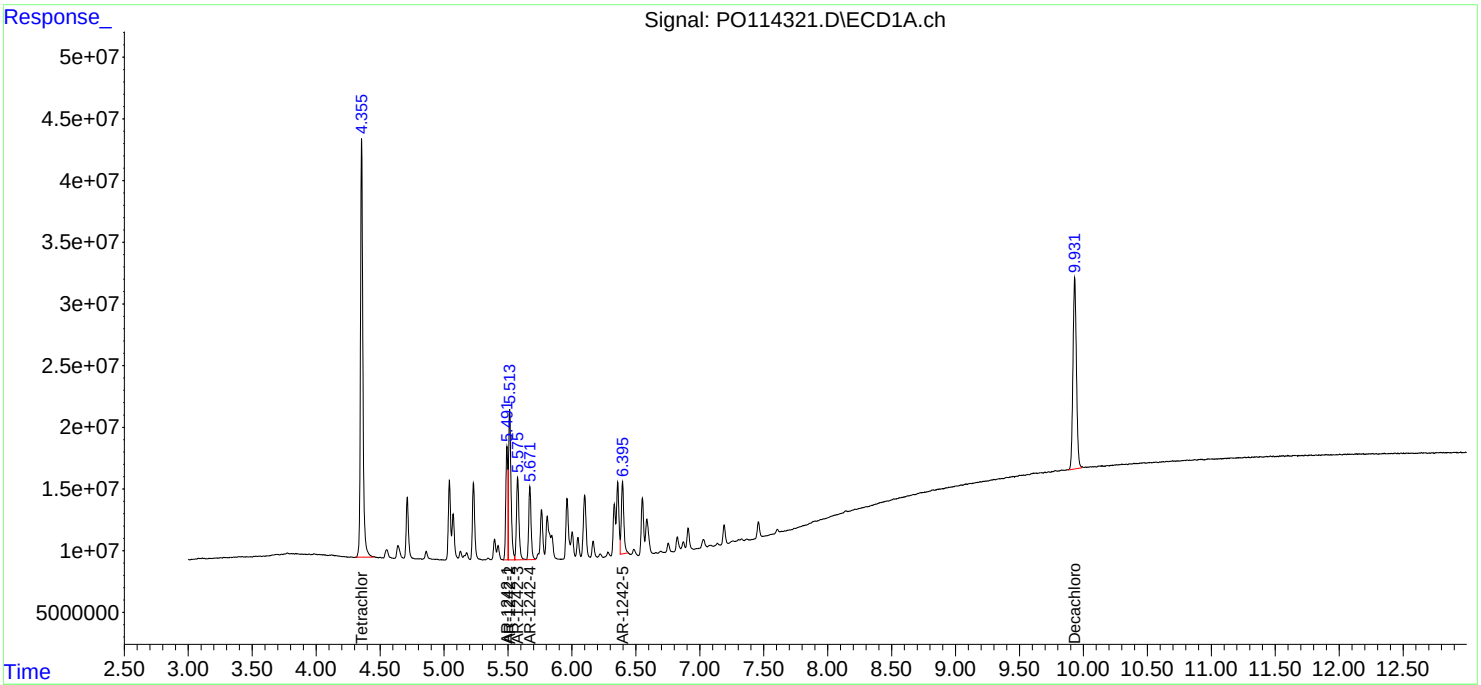
ICAL Form

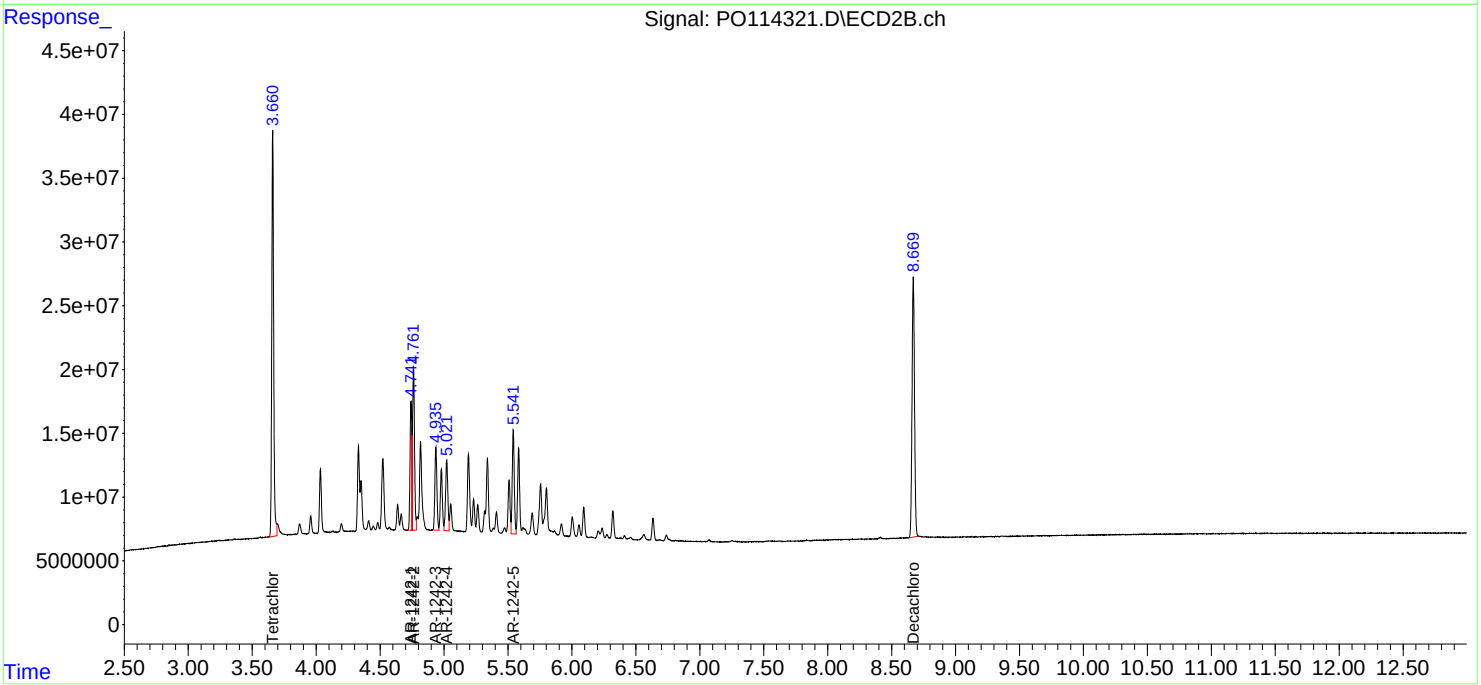
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:40
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

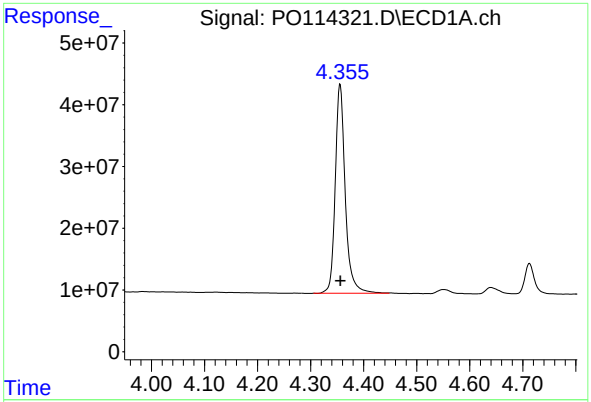
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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



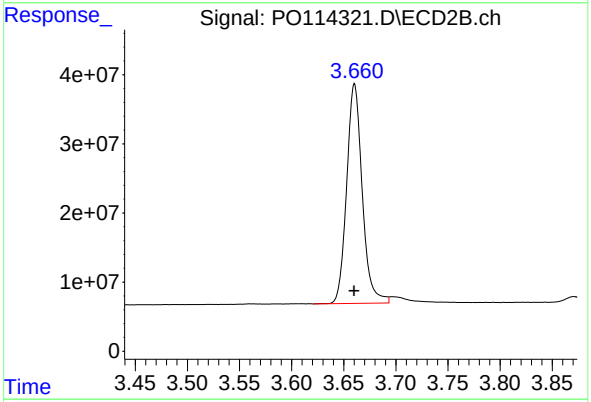




#1 Tetrachloro-m-xylene

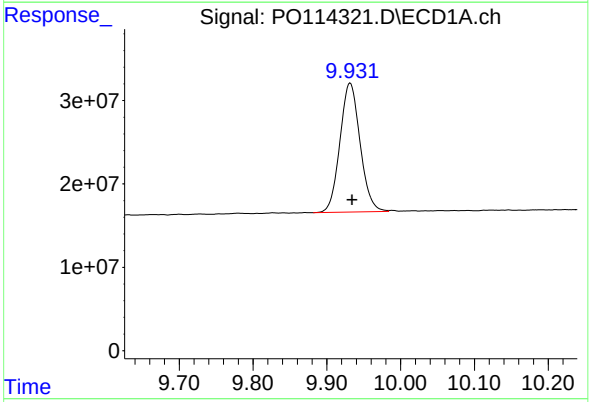
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 444666946
Conc: 75.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



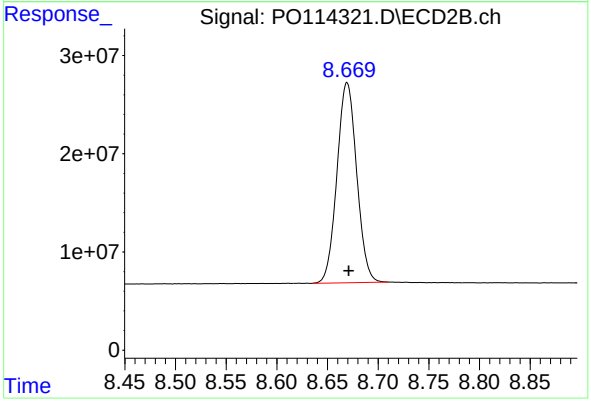
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 330916812
Conc: 75.56 ng/ml



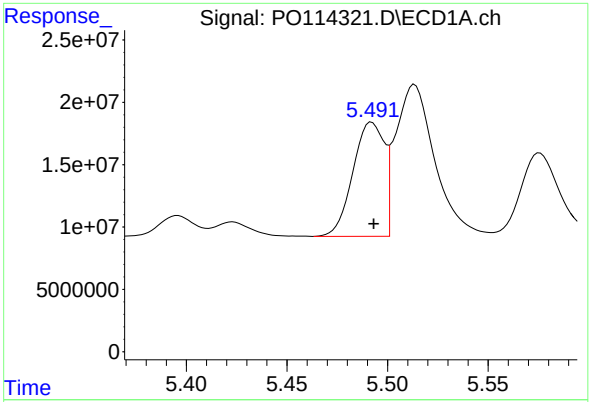
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: -0.002 min
Response: 293221430
Conc: 75.94 ng/ml



#2 Decachlorobiphenyl

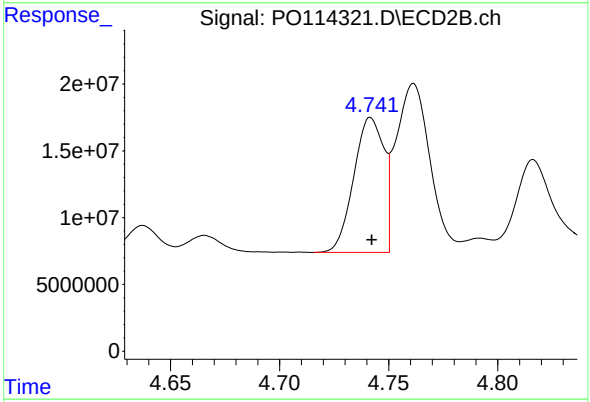
R.T.: 8.669 min
Delta R.T.: -0.002 min
Response: 276129261
Conc: 73.49 ng/ml



#16 AR-1242-1

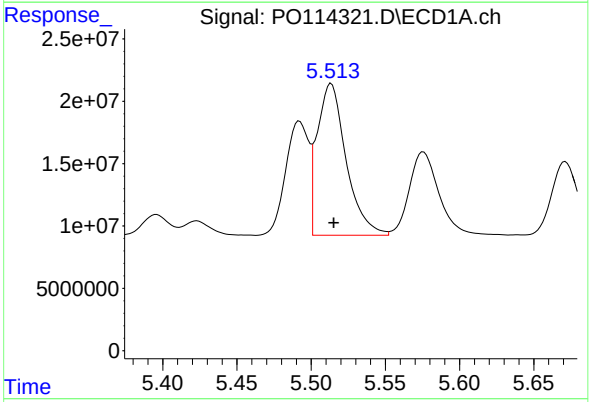
R.T.: 5.492 min
Delta R.T.: -0.001 min
Response: 99134451
Conc: 734.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



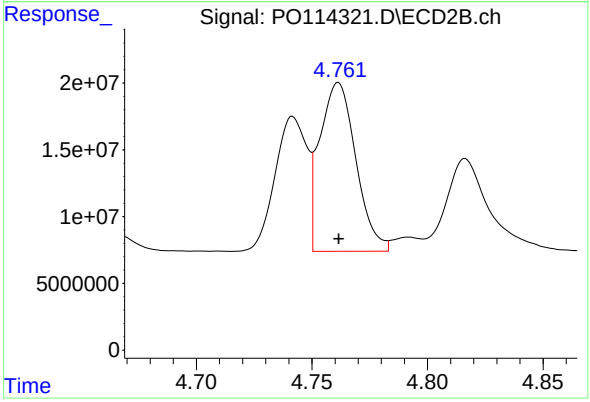
#16 AR-1242-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 96798286
Conc: 738.86 ng/ml



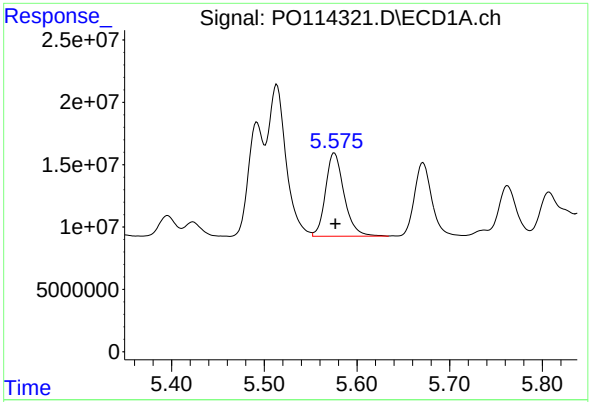
#17 AR-1242-2

R.T.: 5.513 min
Delta R.T.: -0.002 min
Response: 164859719
Conc: 741.44 ng/ml



#17 AR-1242-2

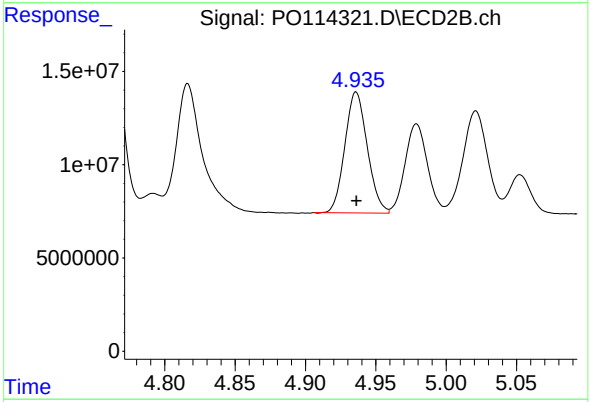
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 137443065
Conc: 735.96 ng/ml



#18 AR-1242-3

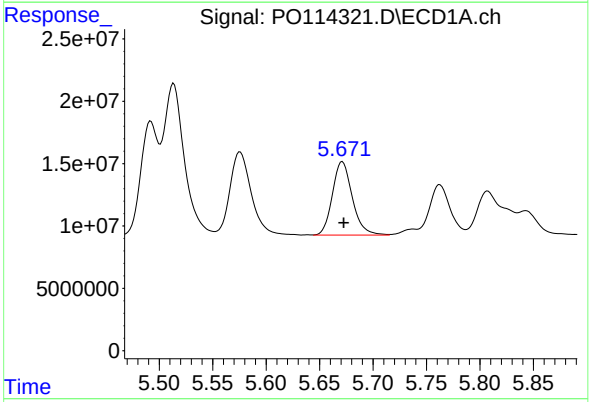
R.T.: 5.576 min
Delta R.T.: -0.001 min
Response: 93091498
Conc: 740.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



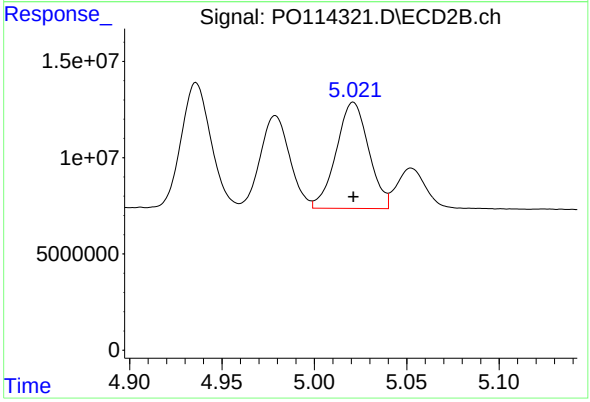
#18 AR-1242-3

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 72083589
Conc: 735.00 ng/ml



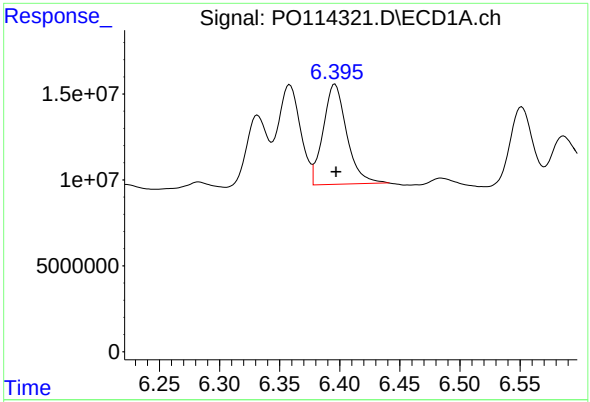
#19 AR-1242-4

R.T.: 5.671 min
Delta R.T.: -0.001 min
Response: 76402643
Conc: 745.17 ng/ml



#19 AR-1242-4

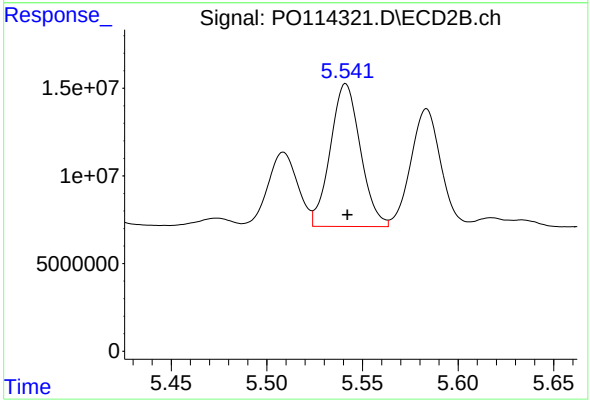
R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 67429306
Conc: 730.55 ng/ml



#20 AR-1242-5

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 79672910
Conc: 712.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.541 min
Delta R.T.: 0.000 min
Response: 89372310
Conc: 728.11 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:59
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 02:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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...	4.356	3.660	294.7E6	219.0E6	50.000	50.000
2)	SA Decachlor...	9.934	8.671	193.1E6	187.9E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.493	4.742	67510129	65505040	500.000	500.000
17)	L4 AR-1242-2	5.515	4.762	111.2E6	93376496	500.000	500.000
18)	L4 AR-1242-3	5.577	4.936	62858607	49036326	500.000	500.000
19)	L4 AR-1242-4	5.673	5.021	51265559	46149944	500.000	500.000
20)	L4 AR-1242-5	6.397	5.542	55890505	61372959	500.000	500.000

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

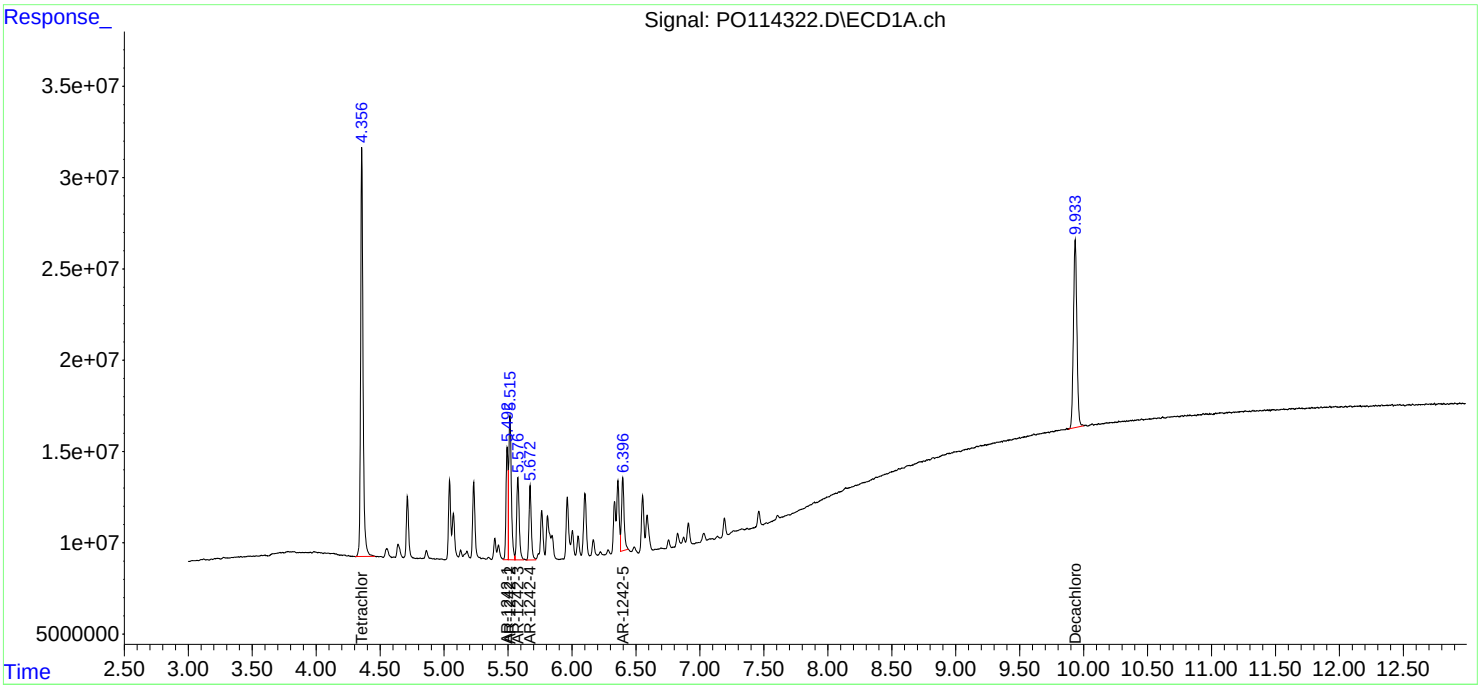
ICAL Form

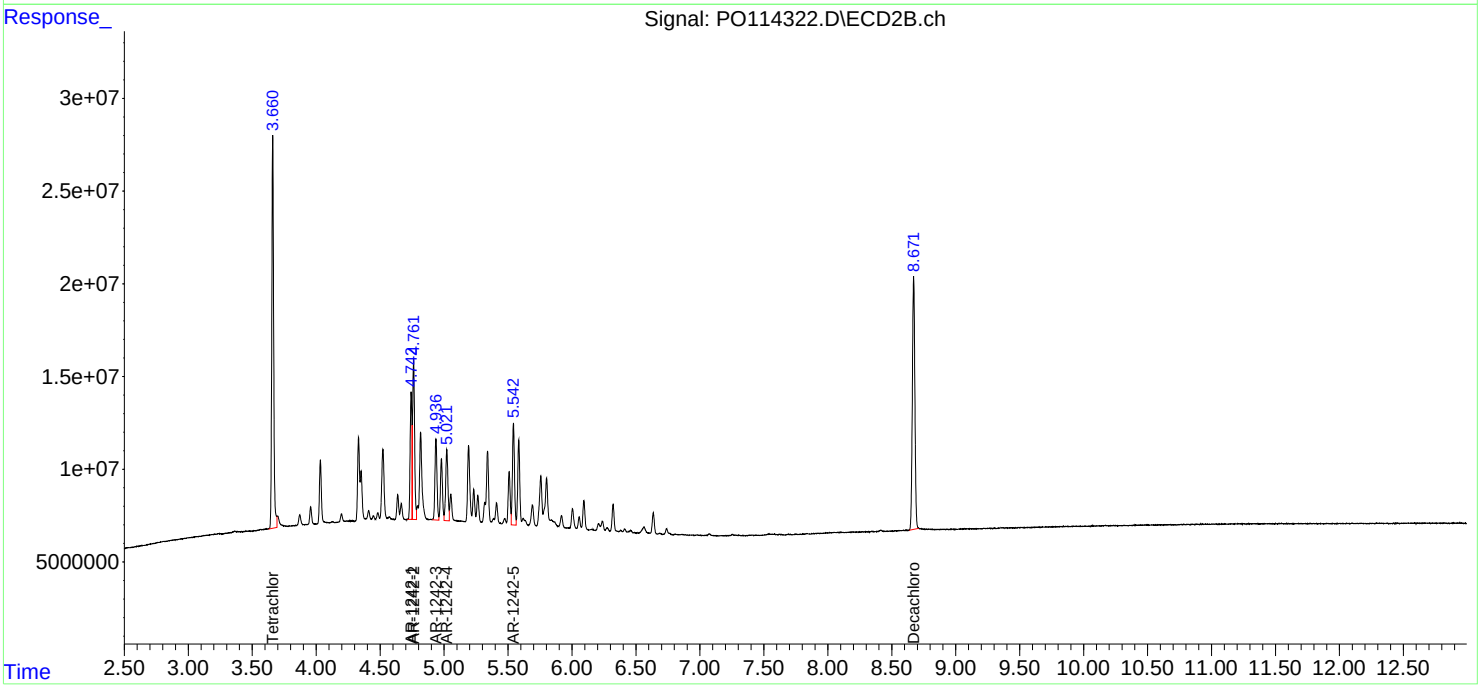
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:59
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

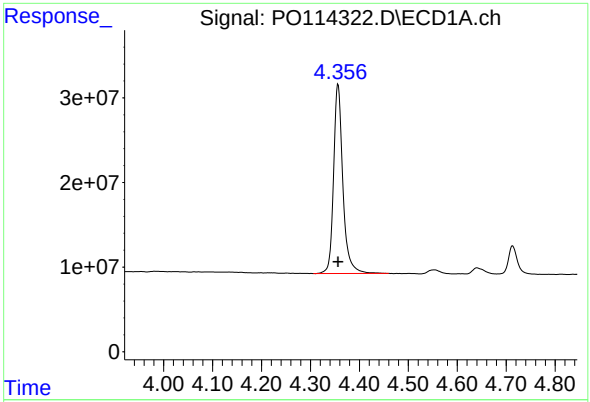
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 02:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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



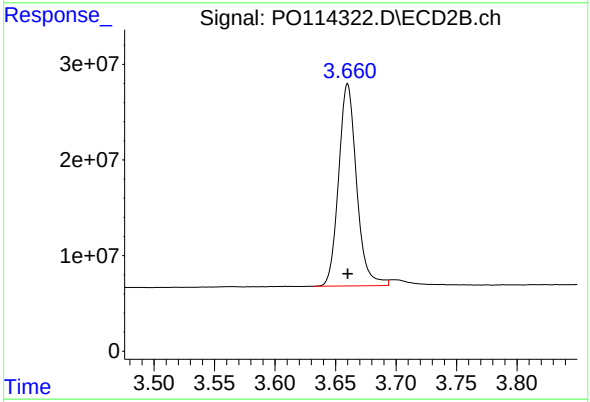




#1 Tetrachloro-m-xylene

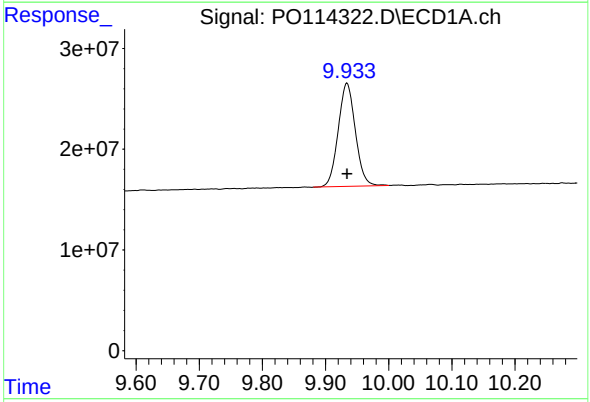
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 294699091
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



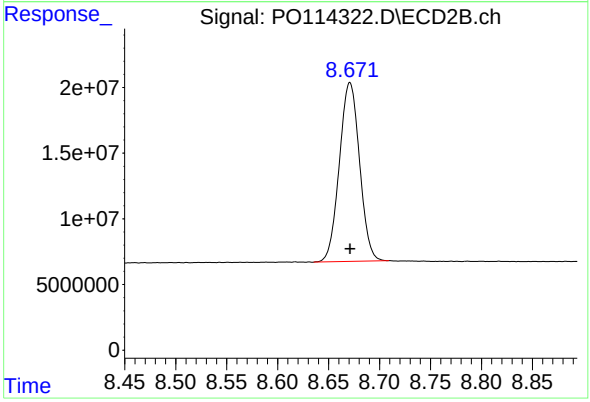
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 218988648
Conc: 50.00 ng/ml



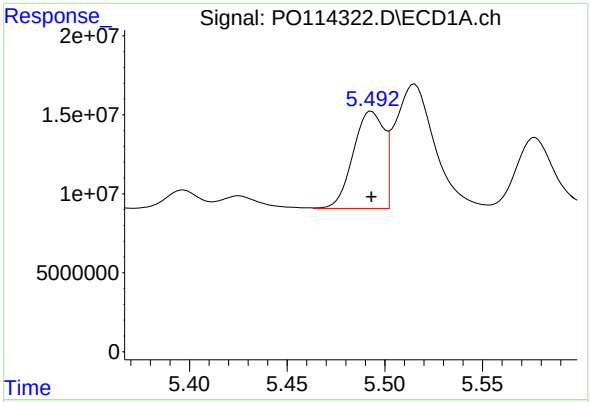
#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 193050162
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

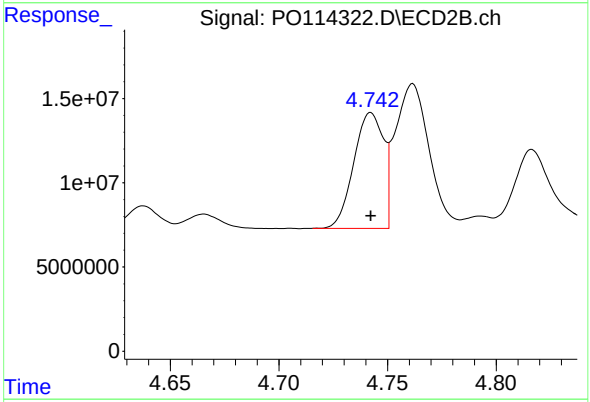
R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 187877091
Conc: 50.00 ng/ml



#16 AR-1242-1

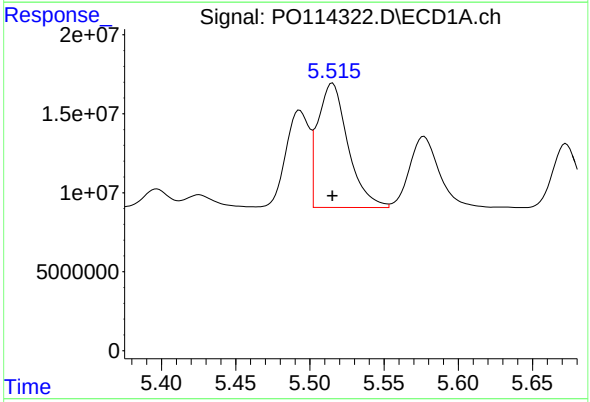
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 67510129
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



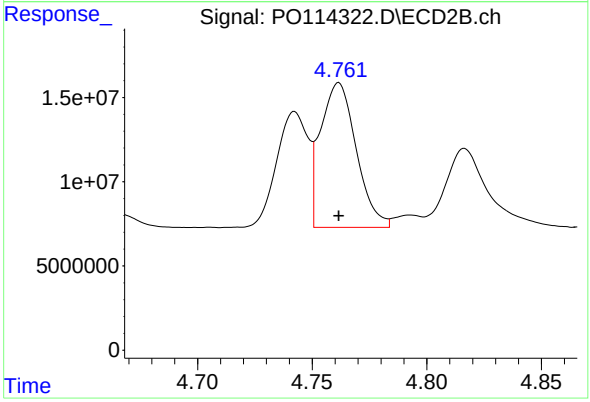
#16 AR-1242-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 65505040
Conc: 500.00 ng/ml



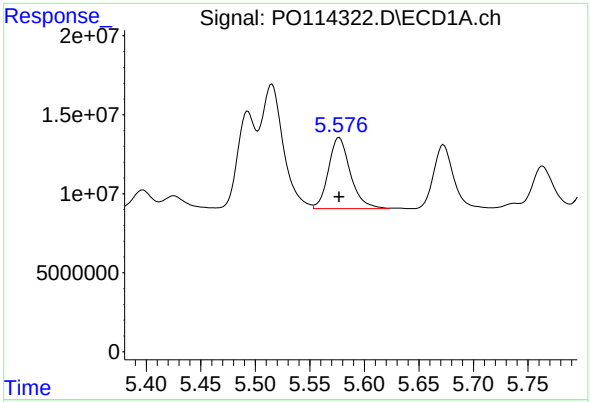
#17 AR-1242-2

R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 111175900
Conc: 500.00 ng/ml



#17 AR-1242-2

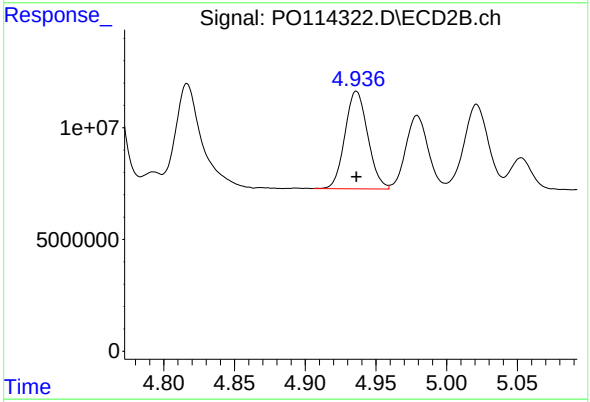
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 93376496
Conc: 500.00 ng/ml



#18 AR-1242-3

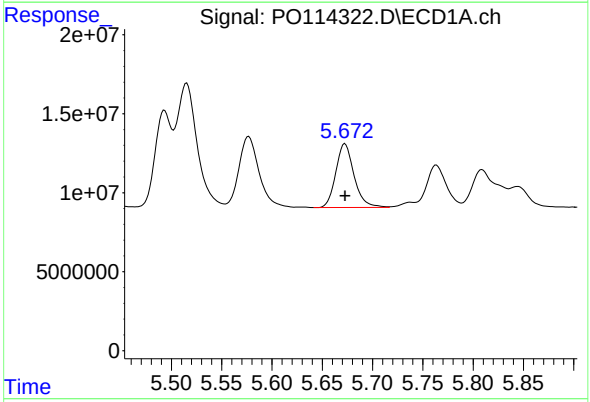
R.T.: 5.577 min
Delta R.T.: 0.000 min
Response: 62858607
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



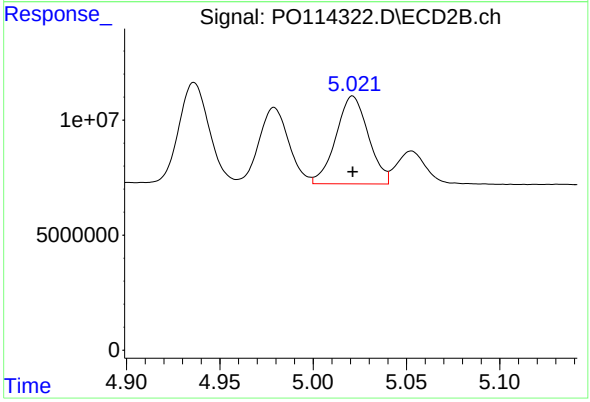
#18 AR-1242-3

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 49036326
Conc: 500.00 ng/ml



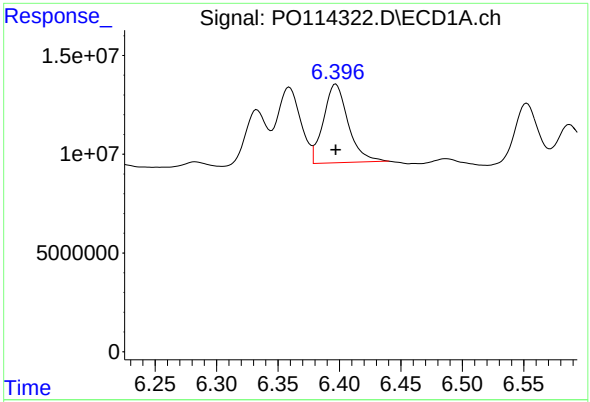
#19 AR-1242-4

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 51265559
Conc: 500.00 ng/ml



#19 AR-1242-4

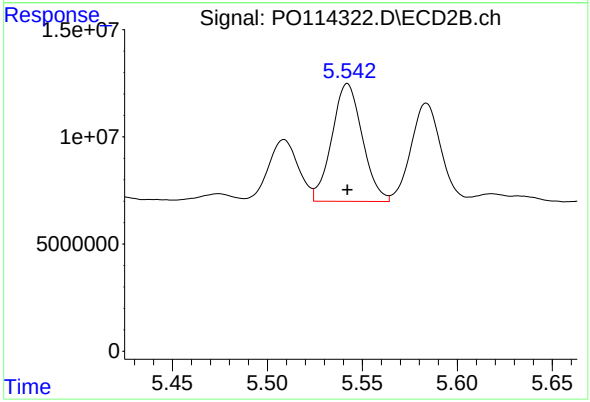
R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 46149944
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 55890505
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 61372959
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 17:17
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:02:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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...	4.355	3.659	147.9E6	111.8E6	25.093	25.526
2)	SA Decachlor...	9.933	8.670	95848992	95892045	24.825	25.520
	Target Compounds						
16)	L4 AR-1242-1	5.492	4.742	33811575	34309165	250.419	261.882
17)	L4 AR-1242-2	5.513	4.761	56611093	47914263	254.601	256.565
18)	L4 AR-1242-3	5.576	4.936	32886335	24900249	261.590	253.896
19)	L4 AR-1242-4	5.671	5.021	26374184	23713234	257.231	256.915
20)	L4 AR-1242-5	6.396	5.541	30880476	31996350	276.259	260.671

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

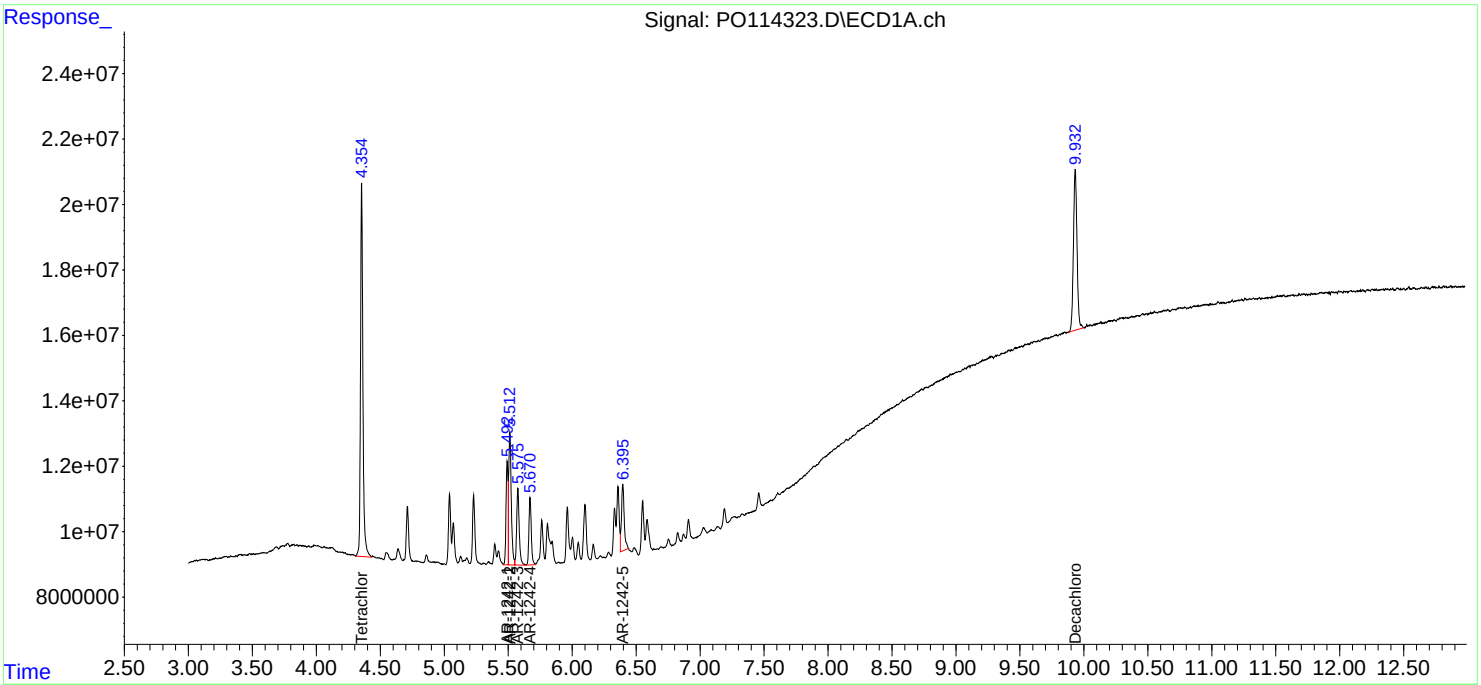
ICAL Form

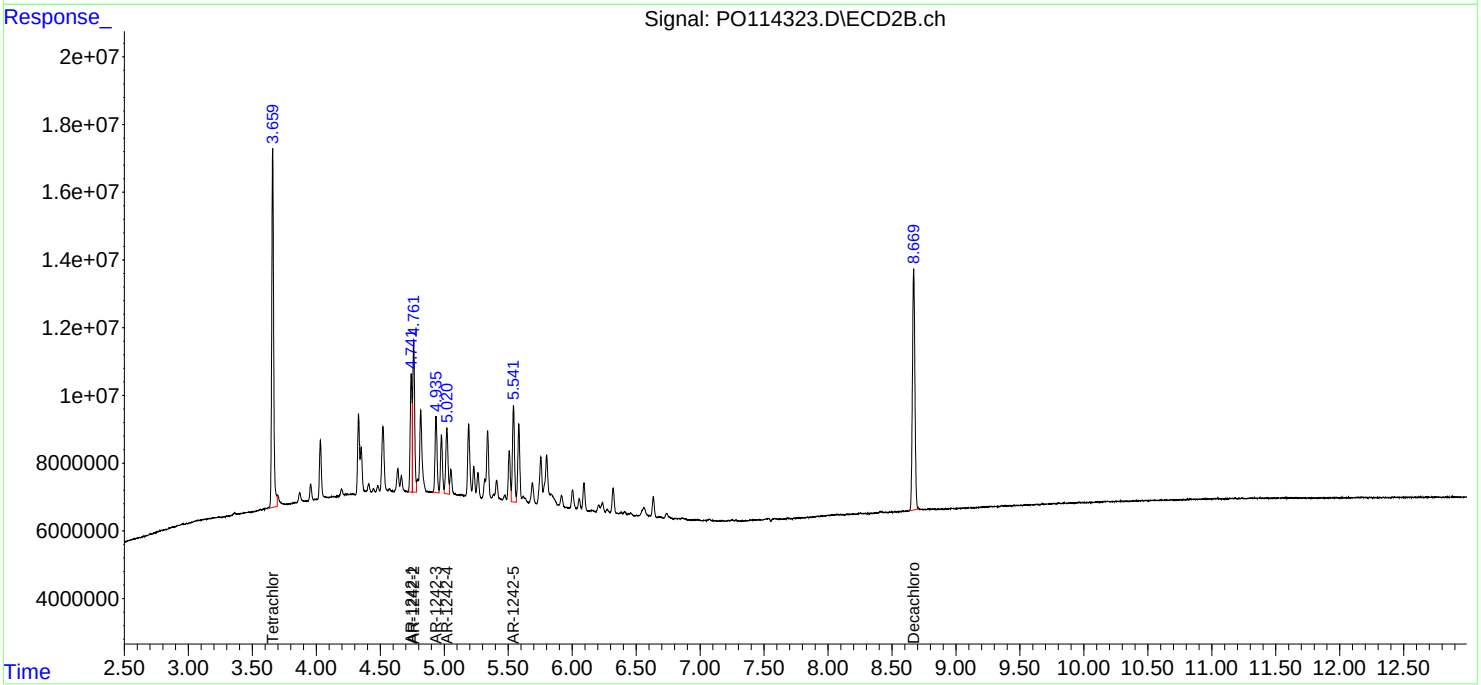
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 17:17
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

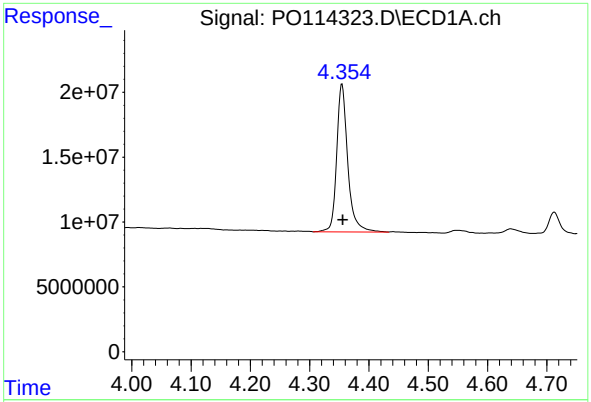
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:02:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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



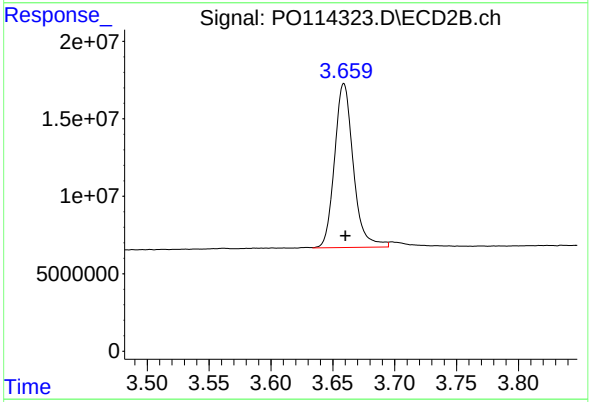




#1 Tetrachloro-m-xylene

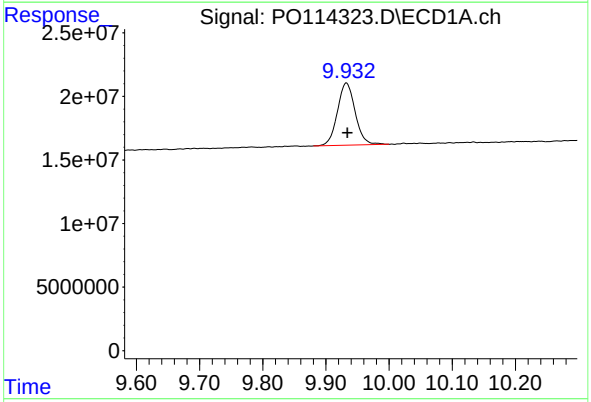
R.T.: 4.355 min
Delta R.T.: -0.001 min
Response: 147899851
Conc: 25.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



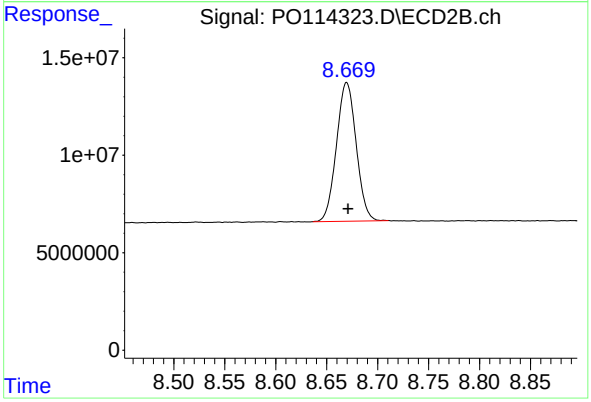
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.001 min
Response: 111796641
Conc: 25.53 ng/ml



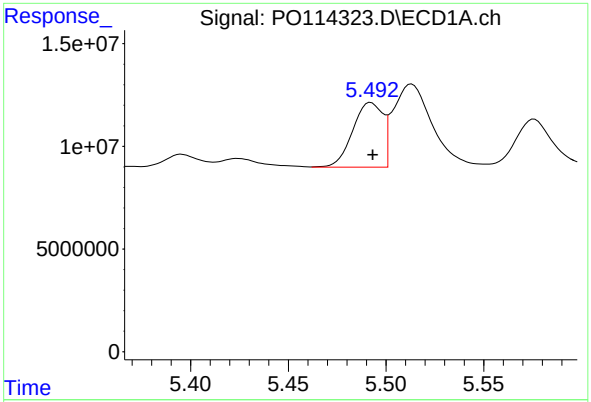
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: -0.002 min
Response: 95848992
Conc: 24.82 ng/ml



#2 Decachlorobiphenyl

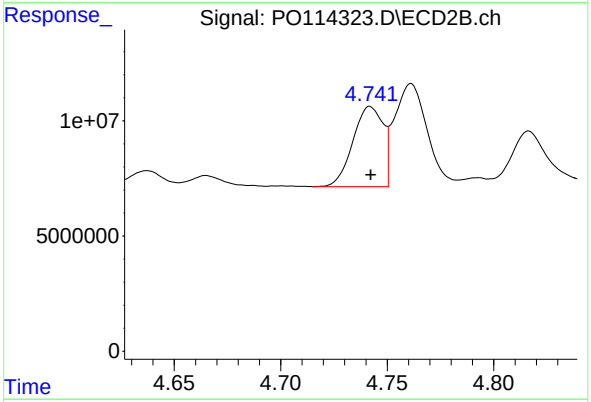
R.T.: 8.670 min
Delta R.T.: -0.001 min
Response: 95892045
Conc: 25.52 ng/ml



#16 AR-1242-1

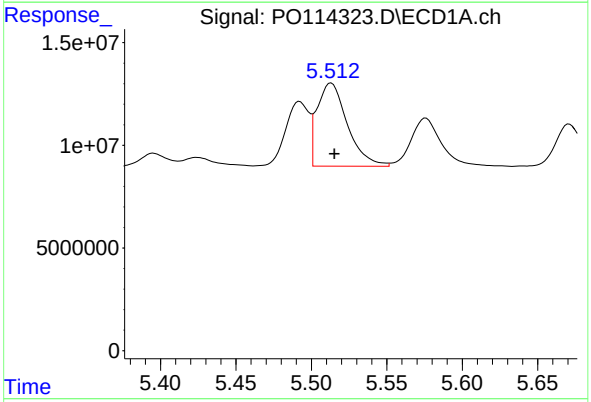
R.T.: 5.492 min
Delta R.T.: 0.000 min
Response: 33811575
Conc: 250.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



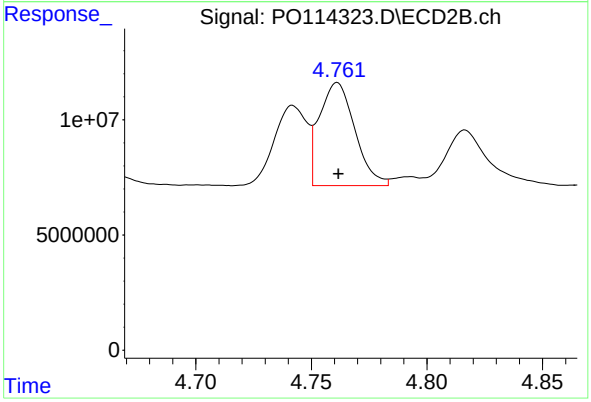
#16 AR-1242-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 34309165
Conc: 261.88 ng/ml



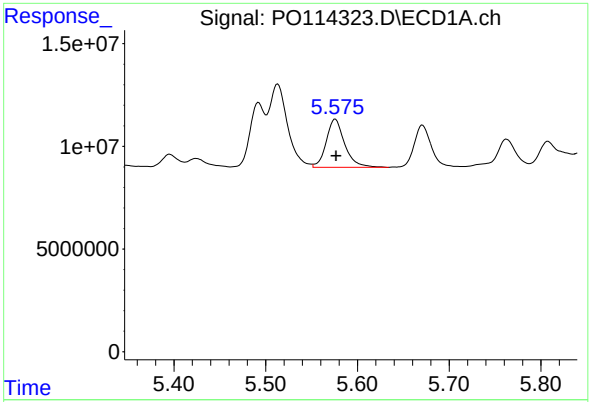
#17 AR-1242-2

R.T.: 5.513 min
Delta R.T.: -0.002 min
Response: 56611093
Conc: 254.60 ng/ml



#17 AR-1242-2

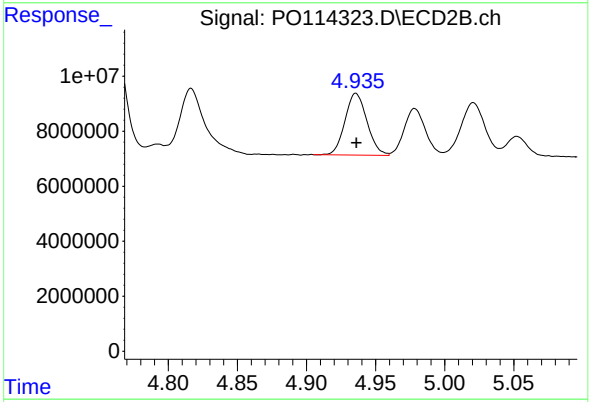
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 47914263
Conc: 256.56 ng/ml



#18 AR-1242-3

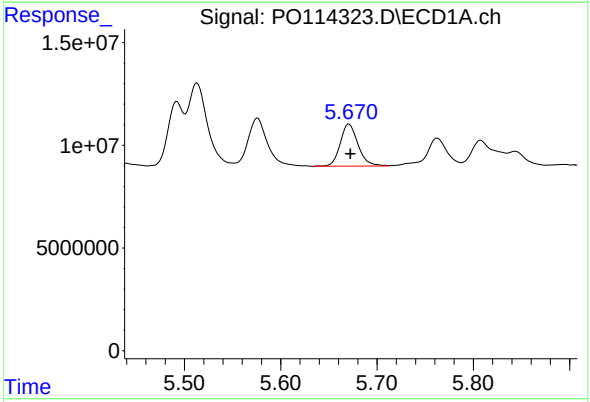
R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 32886335
Conc: 261.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



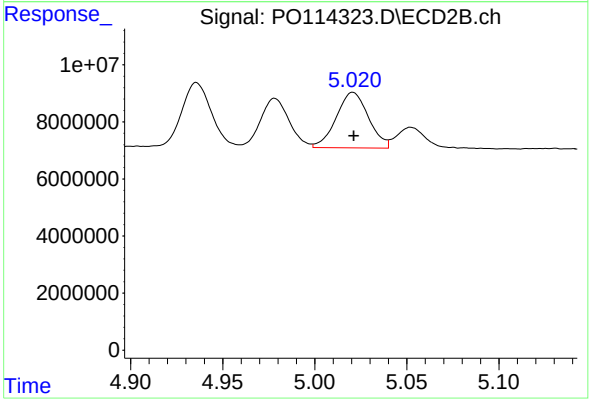
#18 AR-1242-3

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 24900249
Conc: 253.90 ng/ml



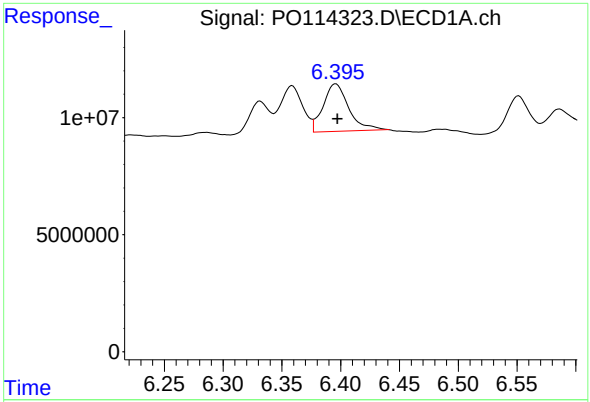
#19 AR-1242-4

R.T.: 5.671 min
Delta R.T.: -0.002 min
Response: 26374184
Conc: 257.23 ng/ml



#19 AR-1242-4

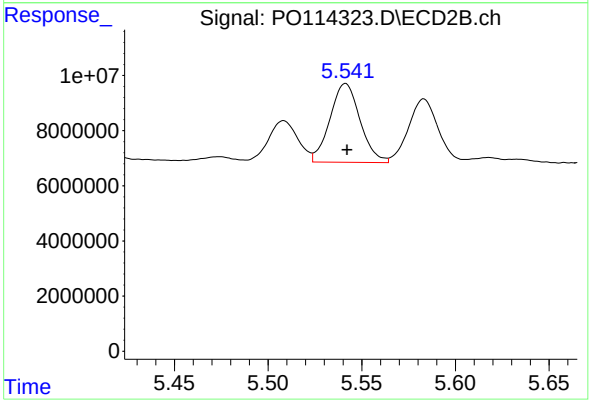
R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 23713234
Conc: 256.92 ng/ml



#20 AR-1242-5

R.T.: 6.396 min
Delta R.T.: -0.001 min
Response: 30880476
Conc: 276.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.541 min
Delta R.T.: 0.000 min
Response: 31996350
Conc: 260.67 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 17:35
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:02:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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...	4.355	3.660	27271585	21243716	4.627	4.850
2)	SA Decachlor...	9.932	8.669	17624605	18885026	4.565	5.026
	Target Compounds						
16)	L4 AR-1242-1	5.493	4.742	6433317	6662721	47.647	50.857
17)	L4 AR-1242-2	5.513	4.761	10837885	9820361	48.742	52.585
18)	L4 AR-1242-3	5.576	4.936	5805995	4612208	46.183	47.028
19)	L4 AR-1242-4	5.671	5.020	5166859	4917953	50.393	53.282
20)	L4 AR-1242-5	6.396	5.542	6729455	6488205	60.202m	52.859

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 17:35
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

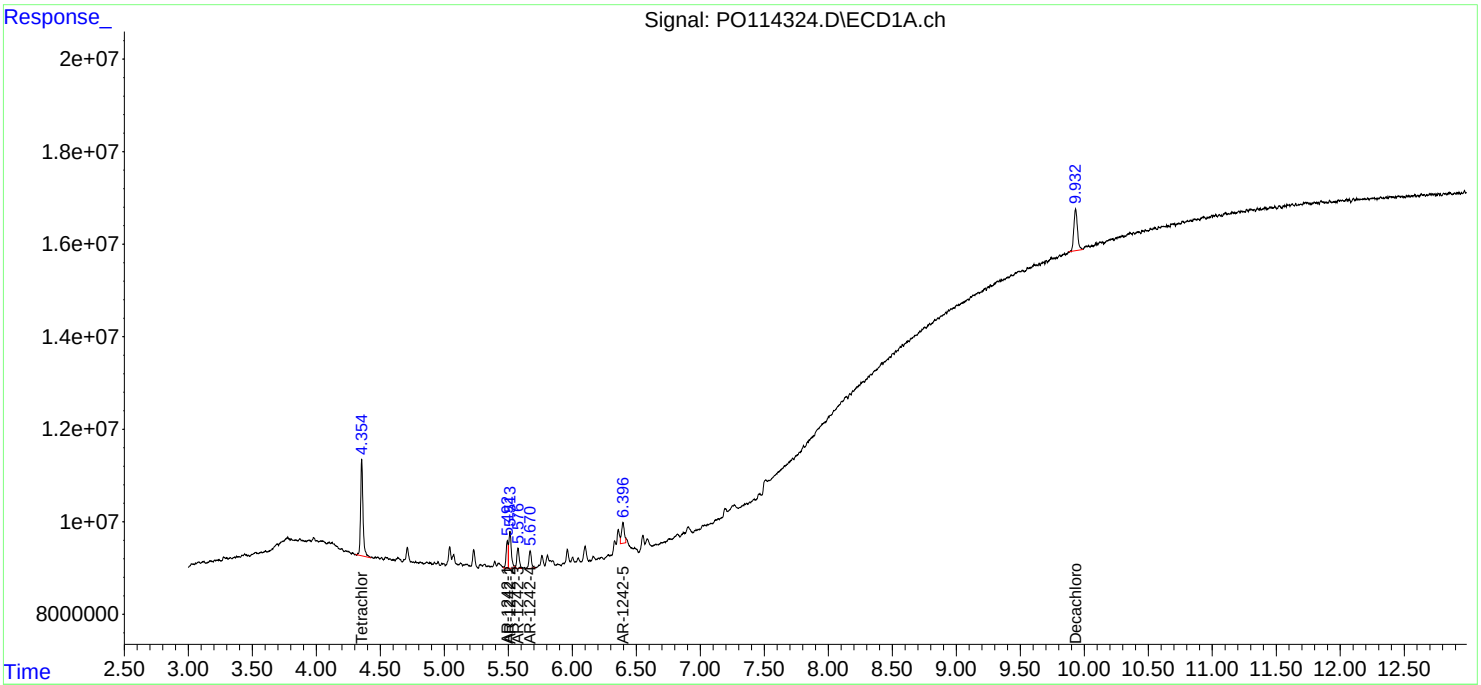
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

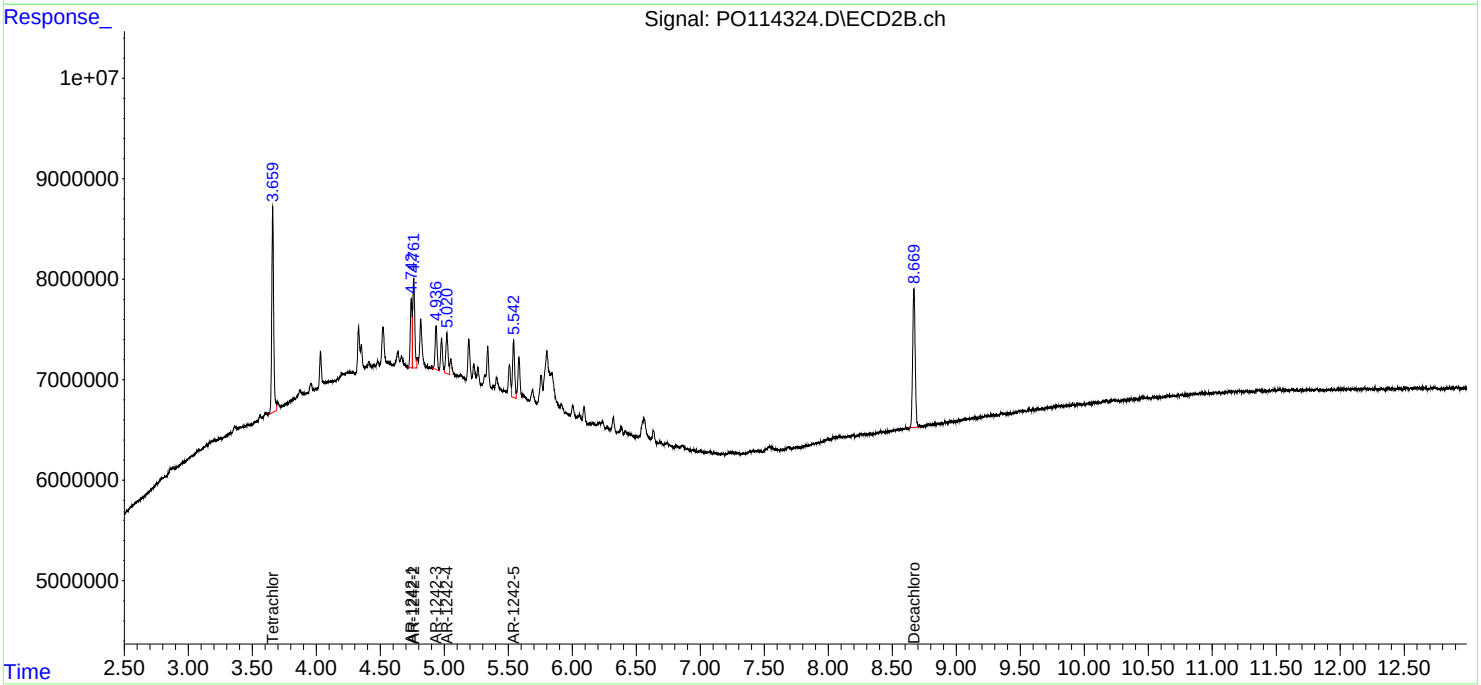
Manual Integrations APPROVED

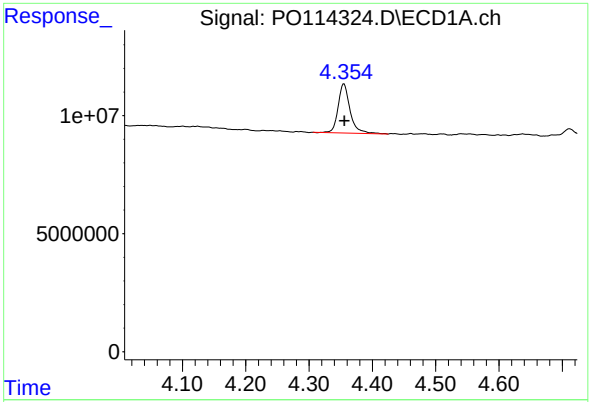
Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:02:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 02:58:00 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







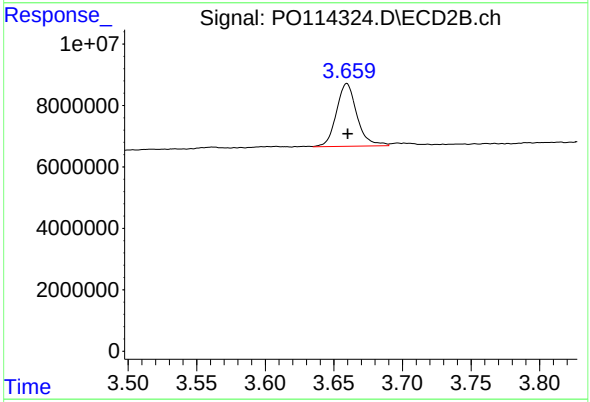
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 27271585
Conc: 4.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

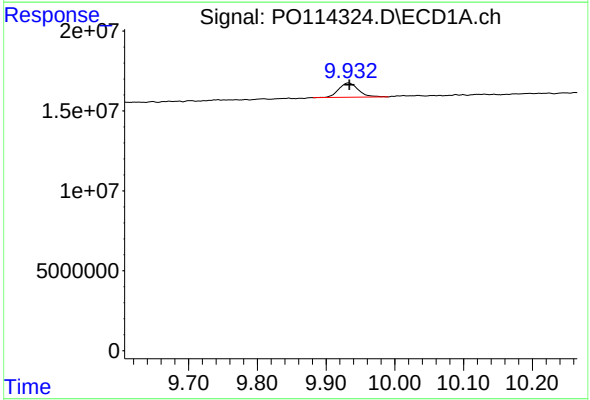
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



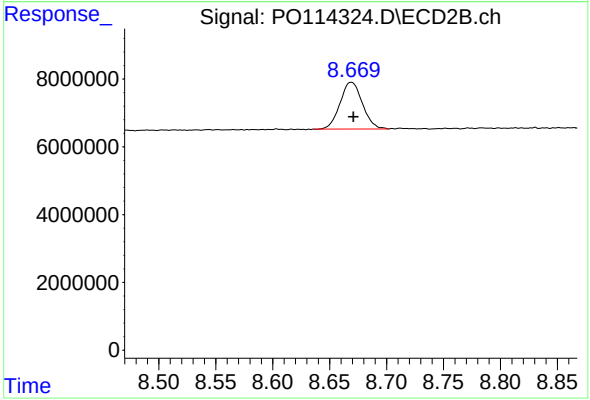
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 21243716
Conc: 4.85 ng/ml



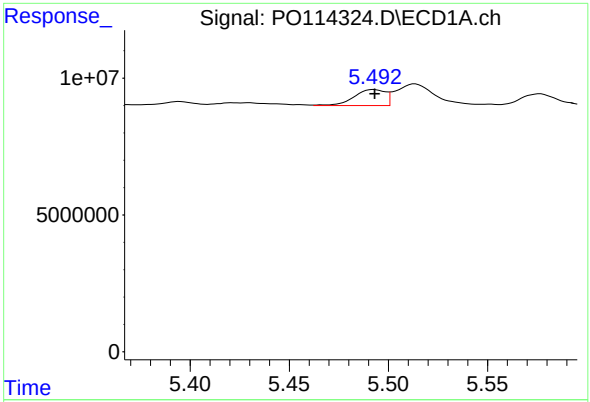
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: -0.002 min
Response: 17624605
Conc: 4.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: -0.002 min
Response: 18885026
Conc: 5.03 ng/ml



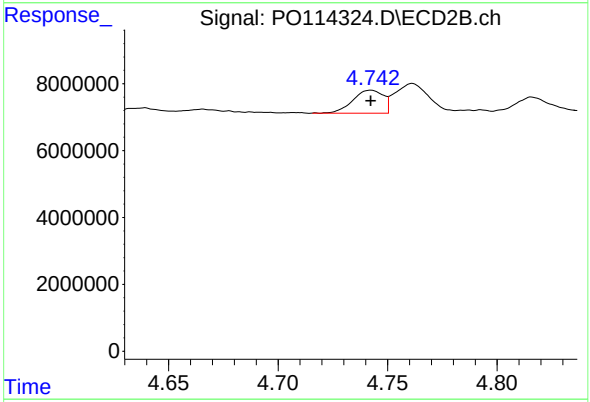
#16 AR-1242-1

R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 6433317
Conc: 47.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

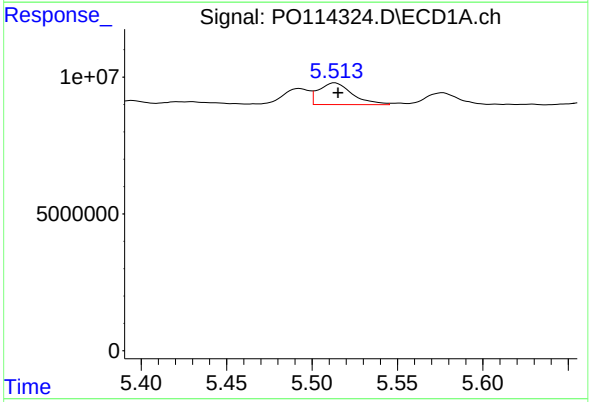
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



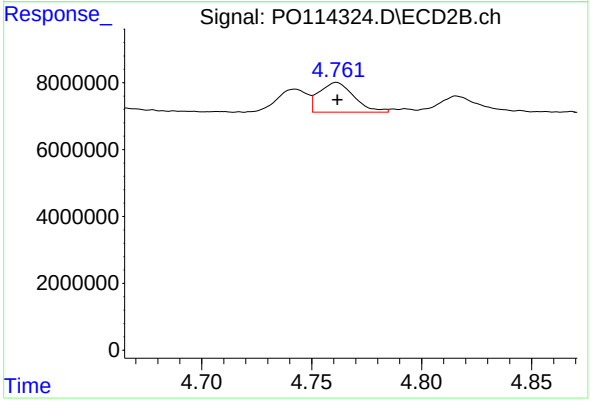
#16 AR-1242-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 6662721
Conc: 50.86 ng/ml



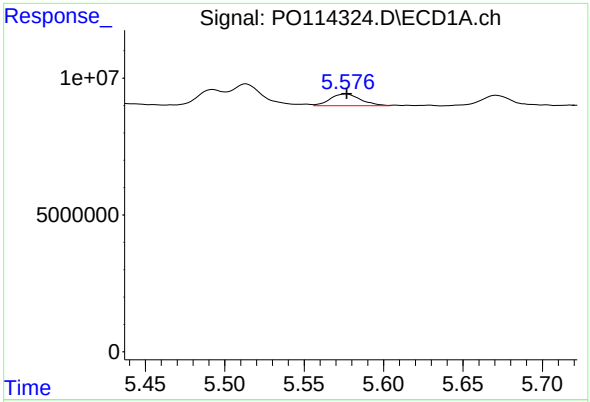
#17 AR-1242-2

R.T.: 5.513 min
Delta R.T.: -0.002 min
Response: 10837885
Conc: 48.74 ng/ml



#17 AR-1242-2

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 9820361
Conc: 52.58 ng/ml



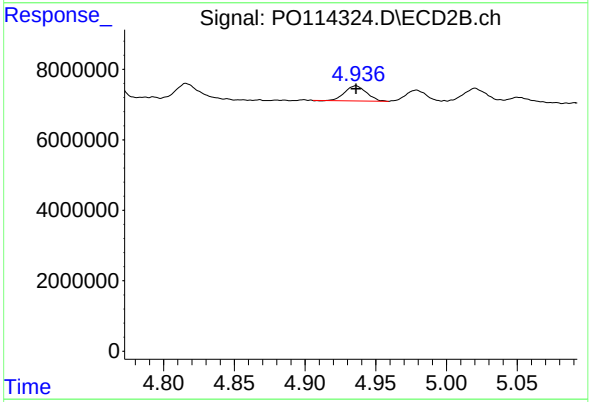
#18 AR-1242-3

R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 5805995
Conc: 46.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

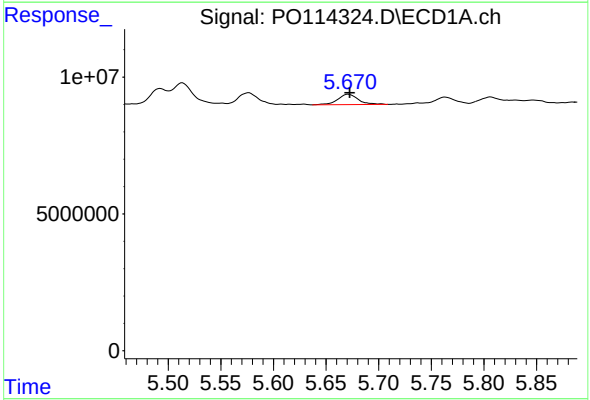
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



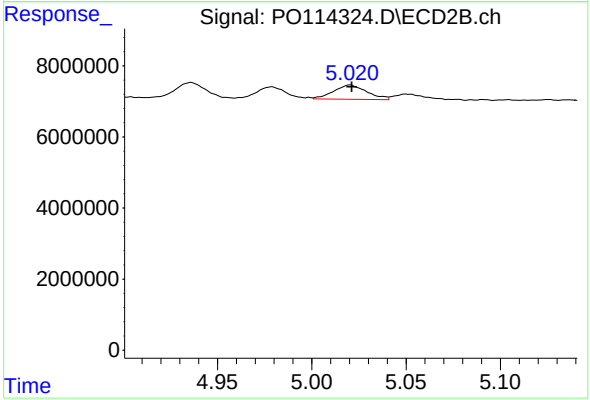
#18 AR-1242-3

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 4612208
Conc: 47.03 ng/ml



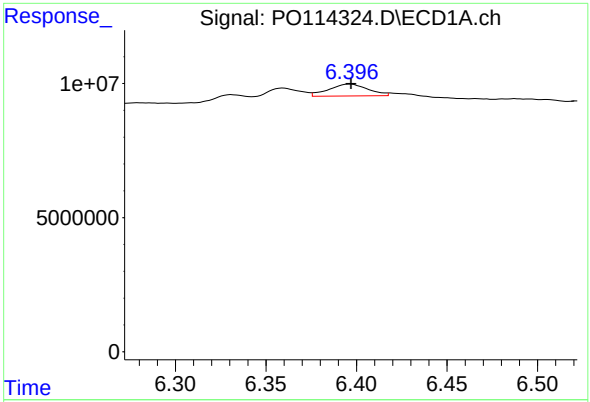
#19 AR-1242-4

R.T.: 5.671 min
Delta R.T.: -0.002 min
Response: 5166859
Conc: 50.39 ng/ml



#19 AR-1242-4

R.T.: 5.020 min
Delta R.T.: 0.000 min
Response: 4917953
Conc: 53.28 ng/ml



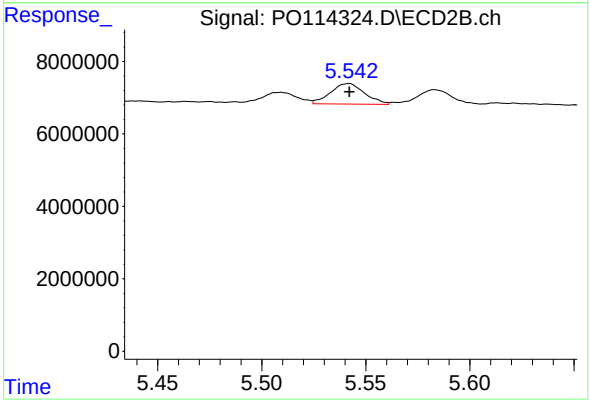
#20 AR-1242-5

R.T.: 6.396 min
Delta R.T.: -0.001 min
Response: 6729455
Conc: 60.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



#20 AR-1242-5

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 6488205
Conc: 52.86 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 17:54
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 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...	4.356	3.660	577.9E6	443.1E6	94.475	94.719
2)	SA Decachlor...	9.931	8.669	381.6E6	366.1E6	96.432	92.646
	Target Compounds						
21)	L5 AR-1248-1	5.493	4.742	98567829	94570009	928.313	912.888
22)	L5 AR-1248-2	5.763	4.979	137.9E6	125.5E6	941.077	911.660
23)	L5 AR-1248-3	5.963	5.021	151.7E6	130.7E6	928.168	912.314
24)	L5 AR-1248-4	6.358	5.191	182.2E6	154.7E6	929.888	915.281
25)	L5 AR-1248-5	6.396	5.583	174.5E6	159.8E6	914.994	921.033

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

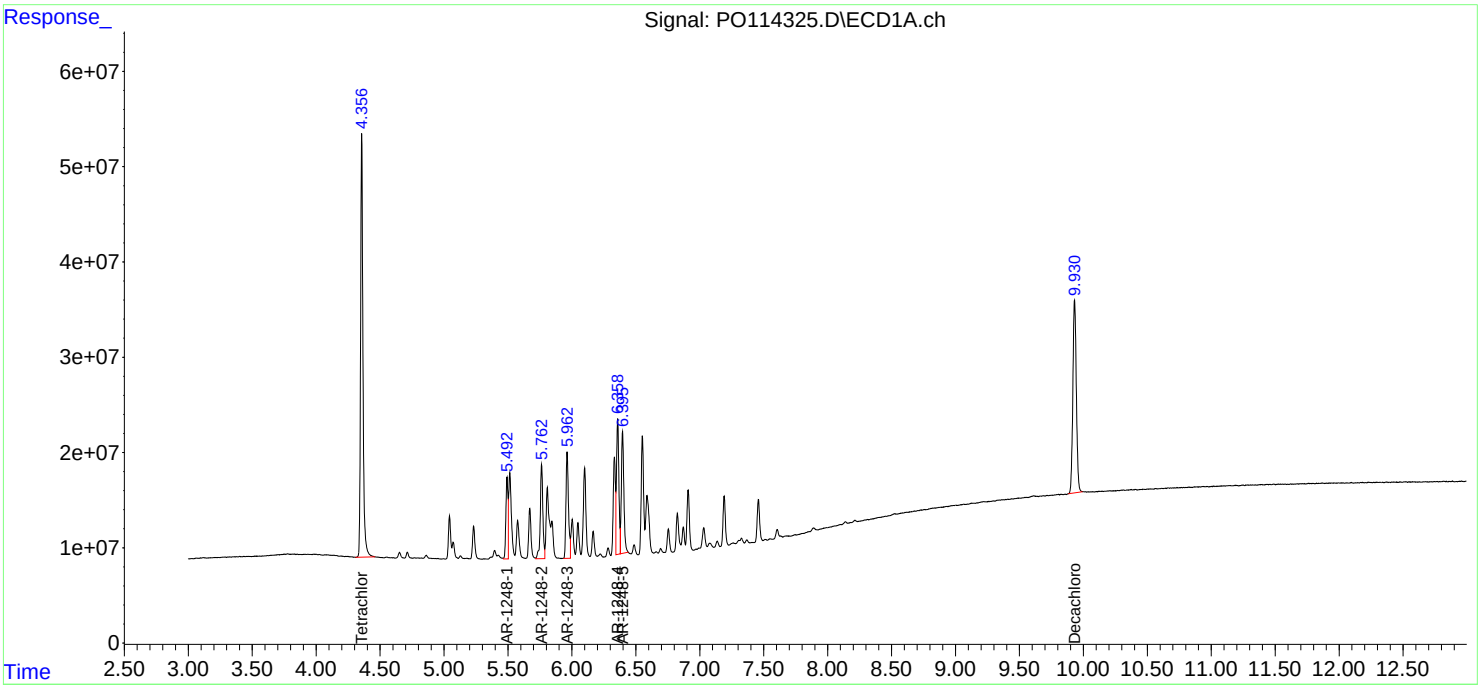
ICAL Form

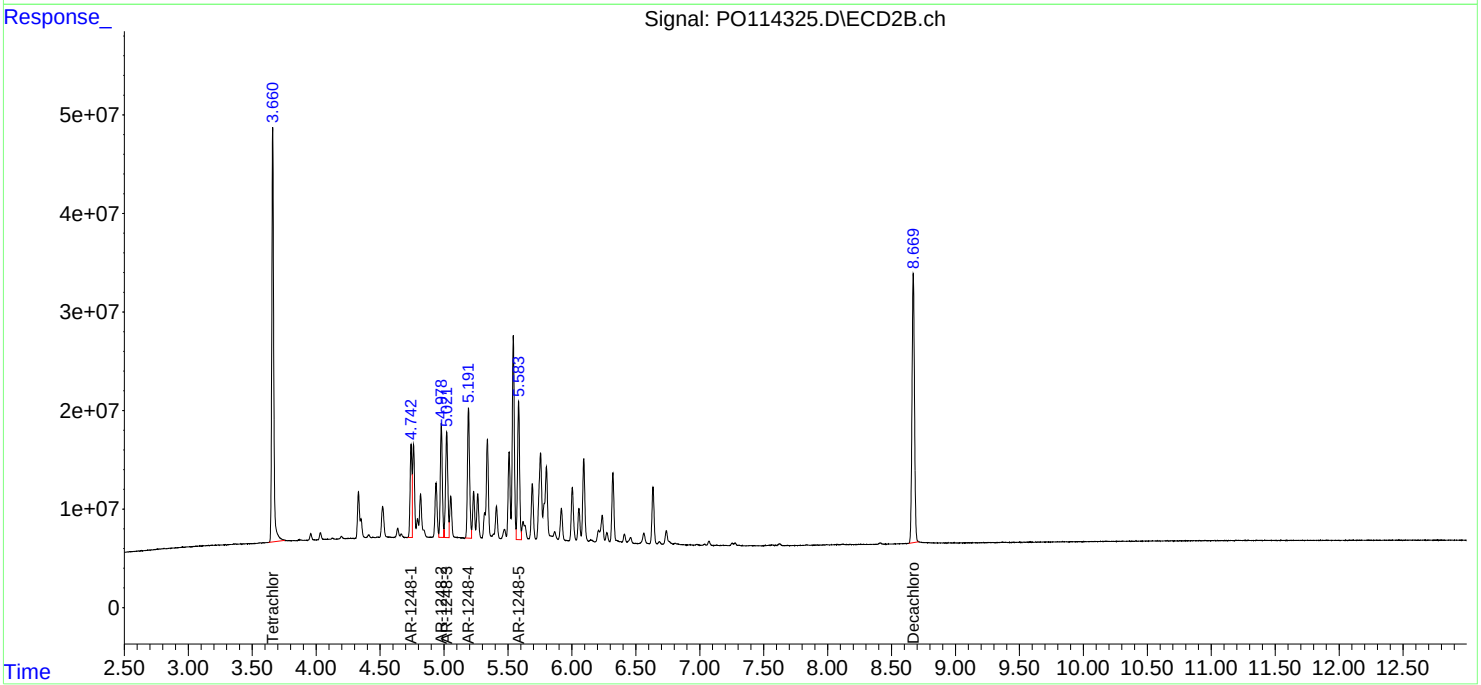
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 17:54
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

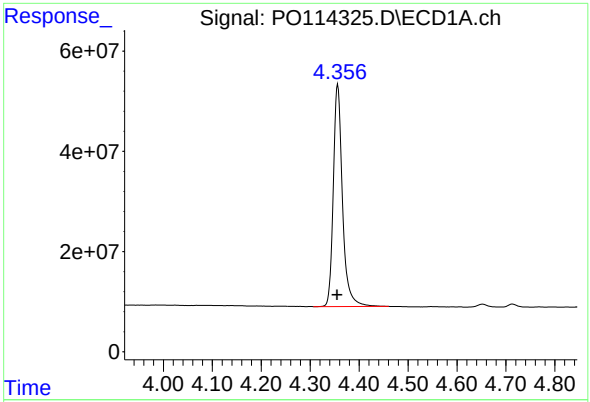
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



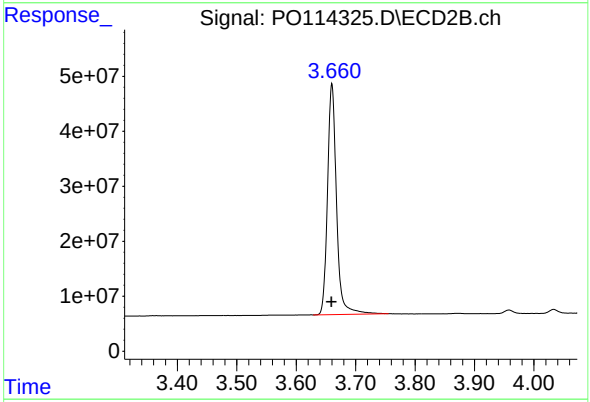




#1 Tetrachloro-m-xylene

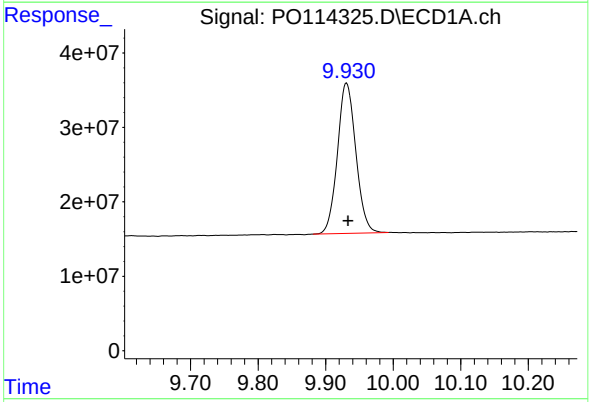
R.T.: 4.356 min
Delta R.T.: 0.001 min
Response: 577937927
Conc: 94.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



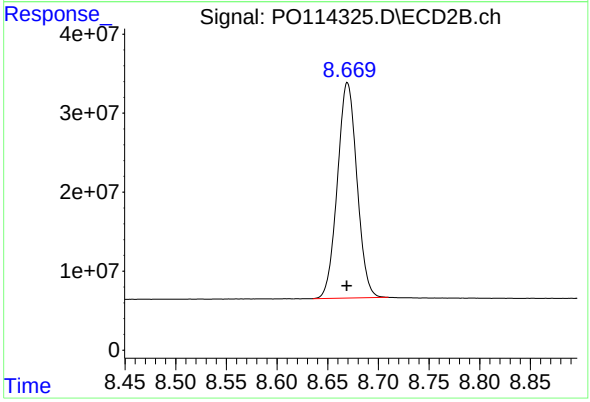
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 443050846
Conc: 94.72 ng/ml



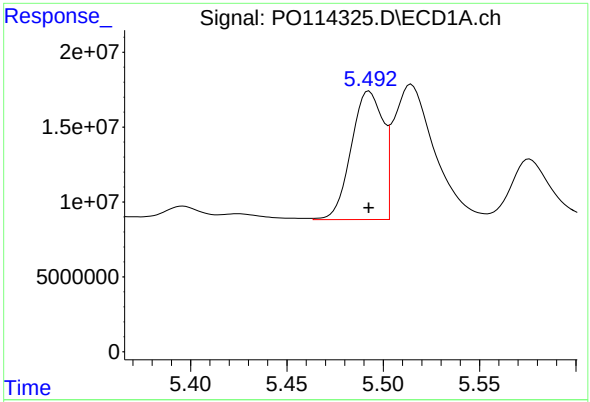
#2 Decachlorobiphenyl

R.T.: 9.931 min
Delta R.T.: -0.002 min
Response: 381629173
Conc: 96.43 ng/ml



#2 Decachlorobiphenyl

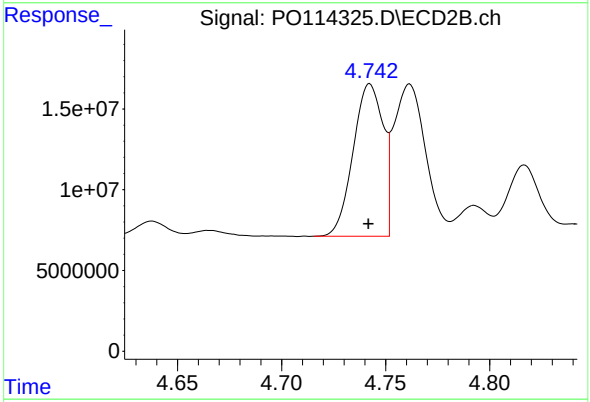
R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 366120149
Conc: 92.65 ng/ml



#21 AR-1248-1

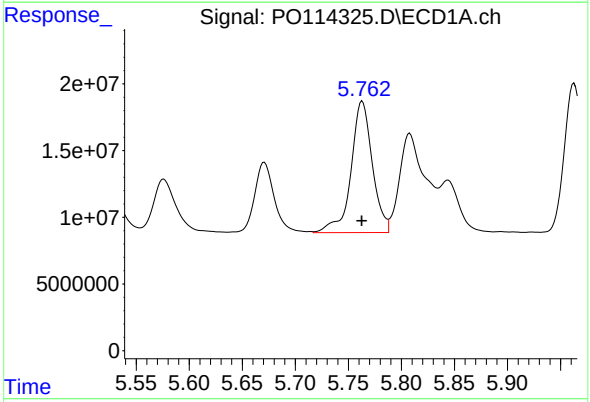
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 98567829
Conc: 928.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



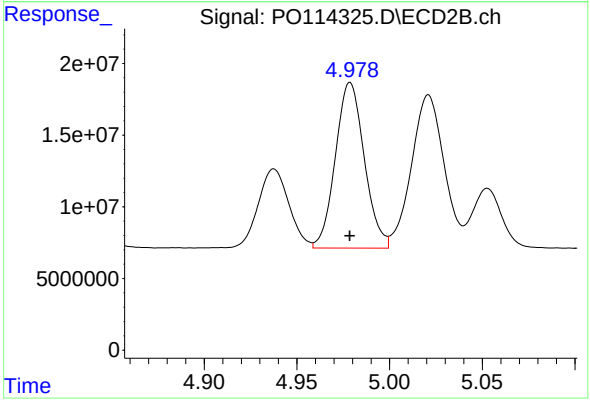
#21 AR-1248-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 94570009
Conc: 912.89 ng/ml



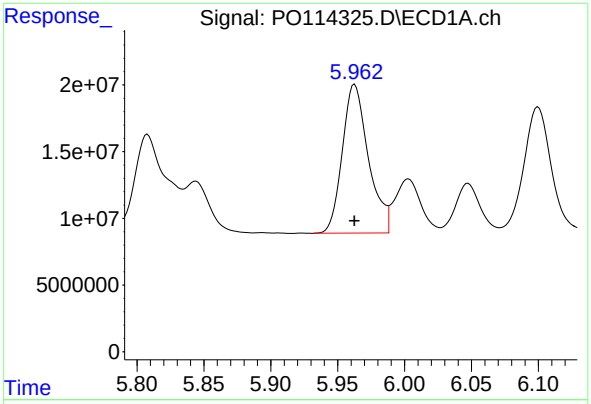
#22 AR-1248-2

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 137892609
Conc: 941.08 ng/ml



#22 AR-1248-2

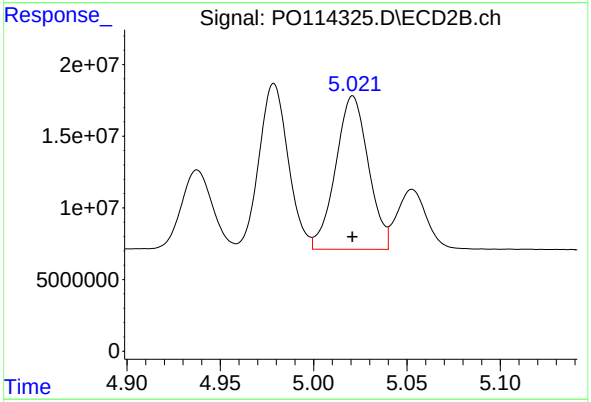
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 125502158
Conc: 911.66 ng/ml



#23 AR-1248-3

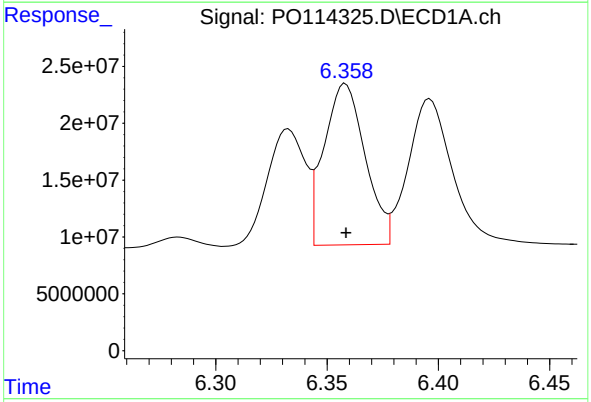
R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 151681692
Conc: 928.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



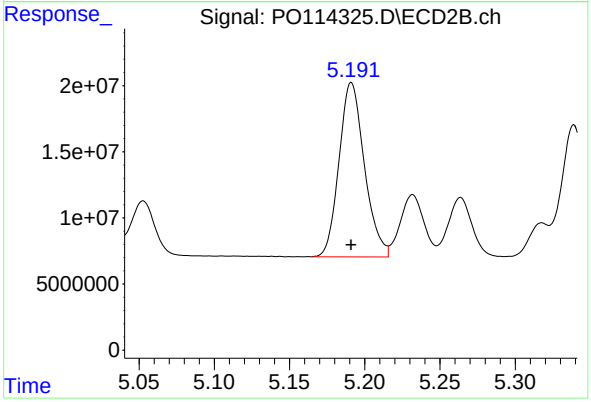
#23 AR-1248-3

R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 130740348
Conc: 912.31 ng/ml



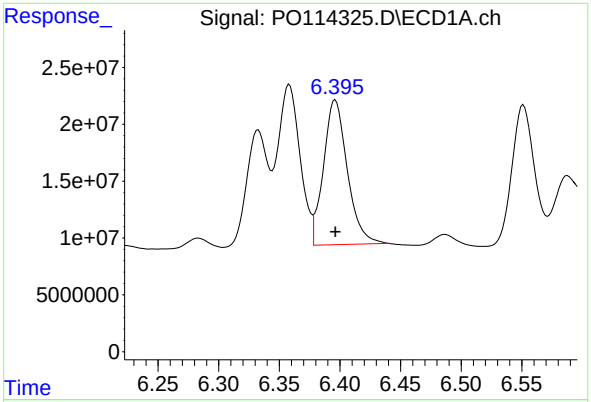
#24 AR-1248-4

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 182190012
Conc: 929.89 ng/ml



#24 AR-1248-4

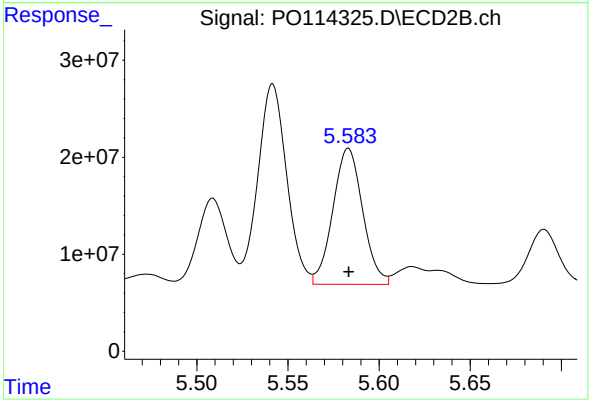
R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 154697640
Conc: 915.28 ng/ml



#25 AR-1248-5

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 174543681
Conc: 914.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 159814127
Conc: 921.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 18:12
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 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...	4.355	3.660	453.4E6	347.6E6	74.110	74.302
2)	SA Decachlor...	9.934	8.670	295.3E6	287.5E6	74.613	72.751
	Target Compounds						
21)	L5 AR-1248-1	5.493	4.742	76602229	74553202	721.441	719.665
22)	L5 AR-1248-2	5.764	4.978	106.9E6	99975147	729.538	726.229
23)	L5 AR-1248-3	5.963	5.020	119.5E6	104.3E6	731.245	727.518
24)	L5 AR-1248-4	6.359	5.191	143.0E6	122.7E6	729.751	725.750
25)	L5 AR-1248-5	6.397	5.583	137.7E6	126.3E6	721.883	727.694

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

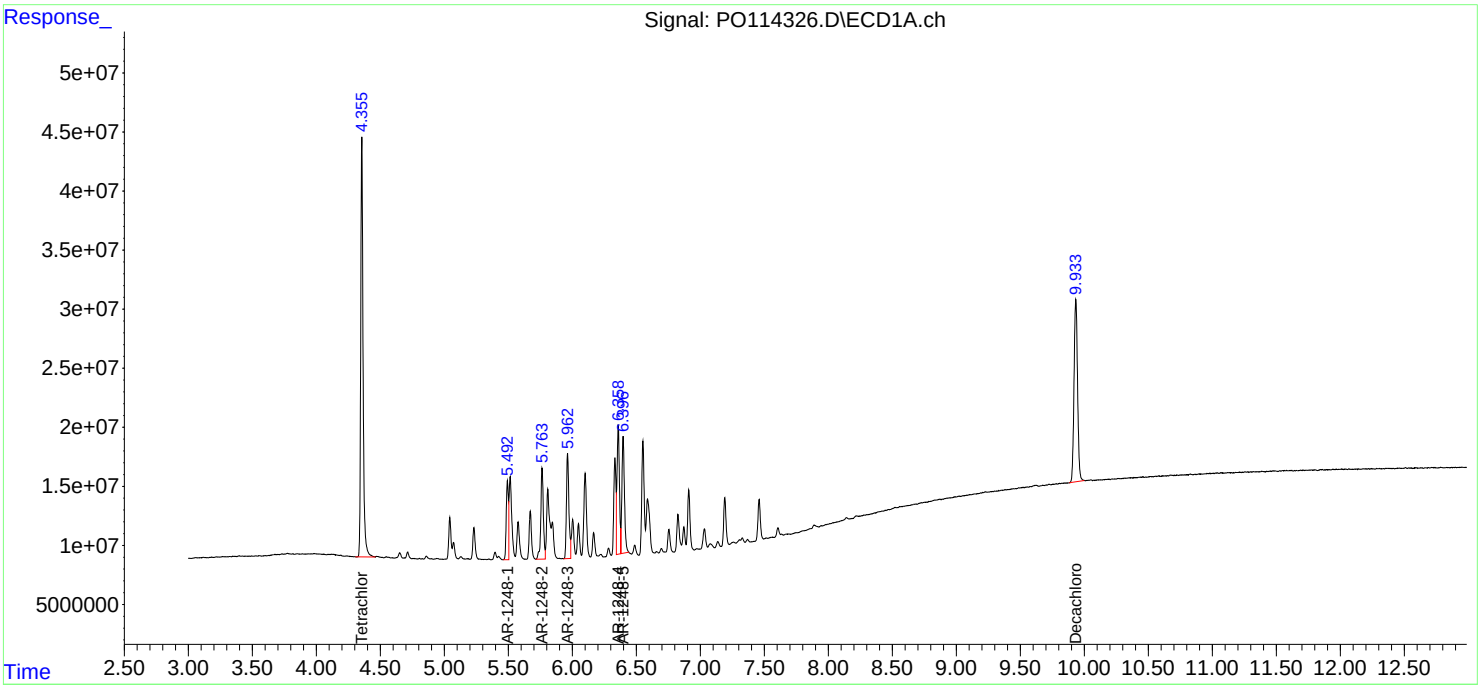
ICAL Form

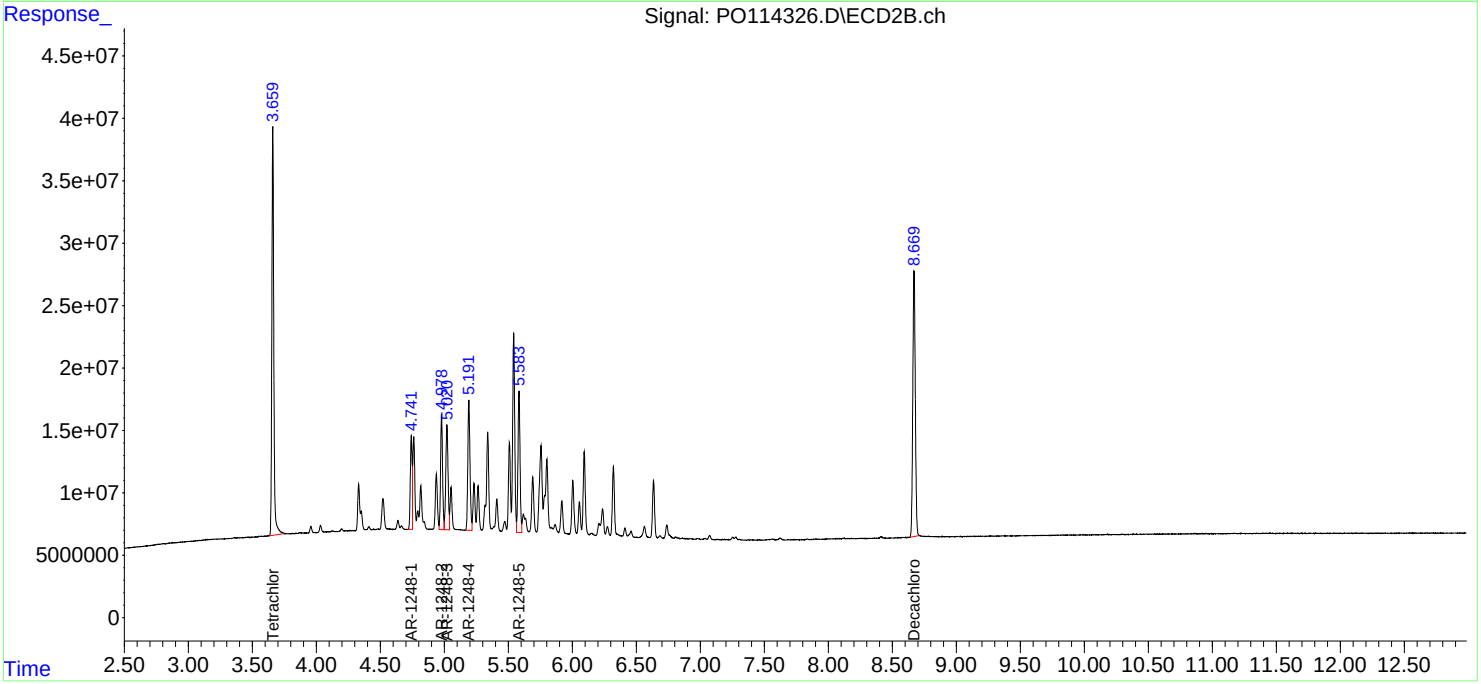
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 18:12
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

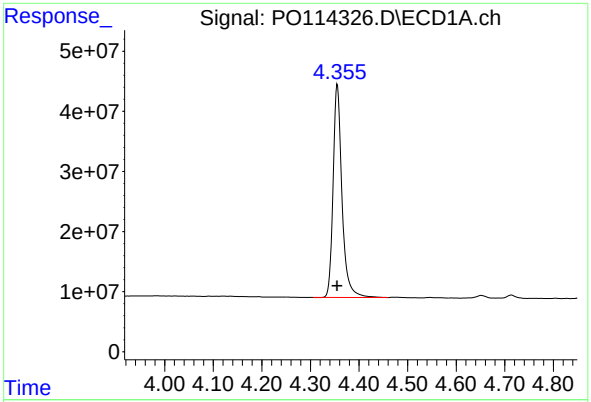
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



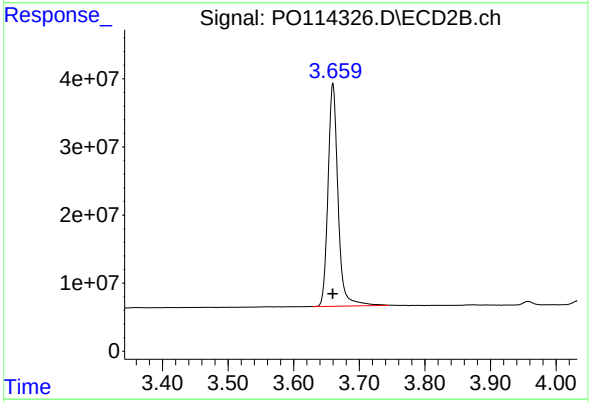




#1 Tetrachloro-m-xylene

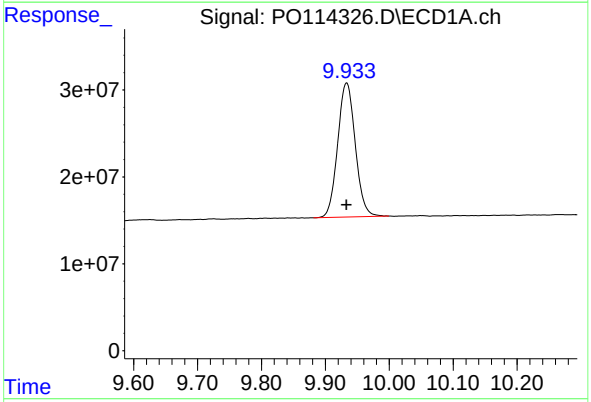
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 453359332
Conc: 74.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



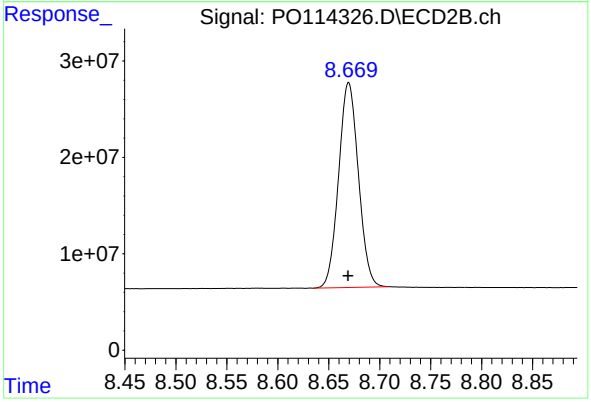
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 347551019
Conc: 74.30 ng/ml



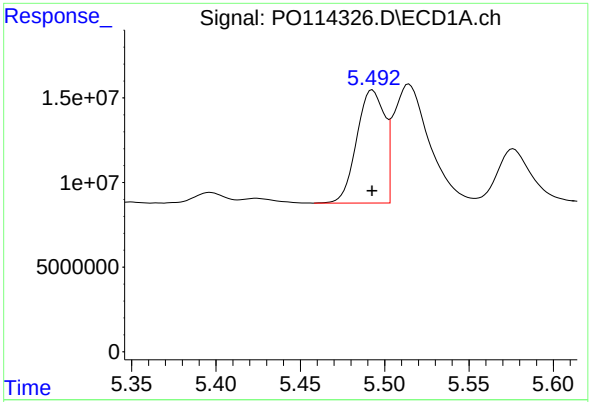
#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 295280535
Conc: 74.61 ng/ml



#2 Decachlorobiphenyl

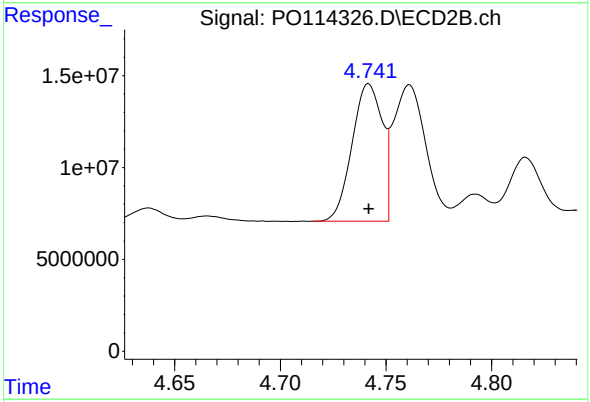
R.T.: 8.670 min
Delta R.T.: 0.000 min
Response: 287495892
Conc: 72.75 ng/ml



#21 AR-1248-1

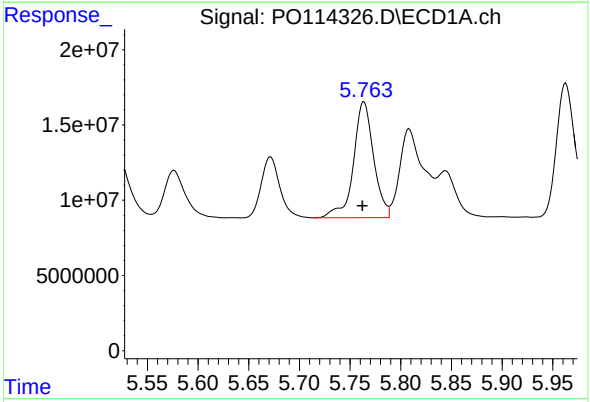
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 76602229
Conc: 721.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



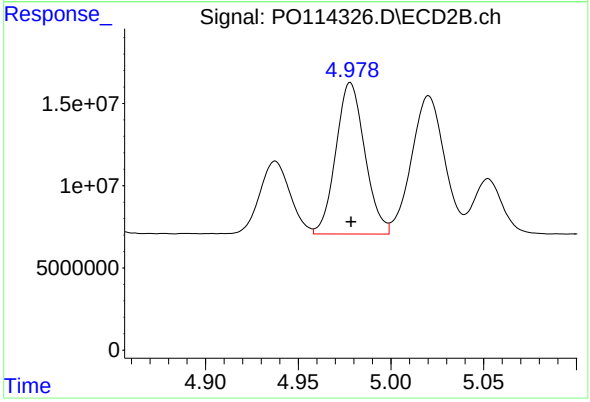
#21 AR-1248-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 74553202
Conc: 719.66 ng/ml



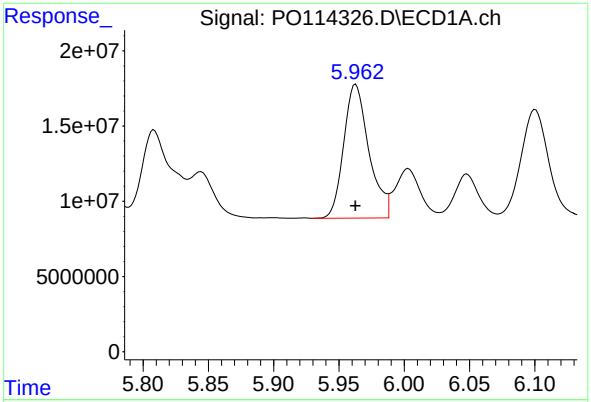
#22 AR-1248-2

R.T.: 5.764 min
Delta R.T.: 0.001 min
Response: 106896564
Conc: 729.54 ng/ml



#22 AR-1248-2

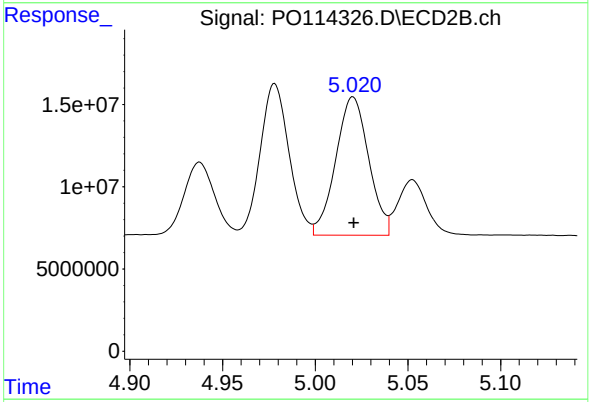
R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 99975147
Conc: 726.23 ng/ml



#23 AR-1248-3

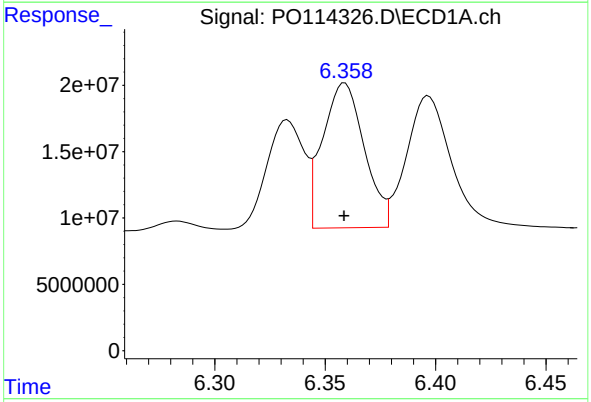
R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 119500340
Conc: 731.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



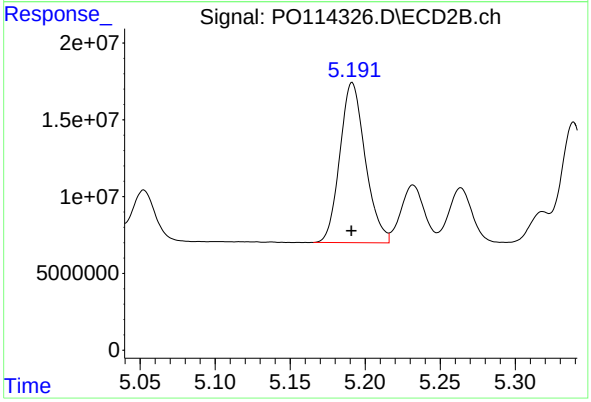
#23 AR-1248-3

R.T.: 5.020 min
Delta R.T.: 0.000 min
Response: 104257814
Conc: 727.52 ng/ml



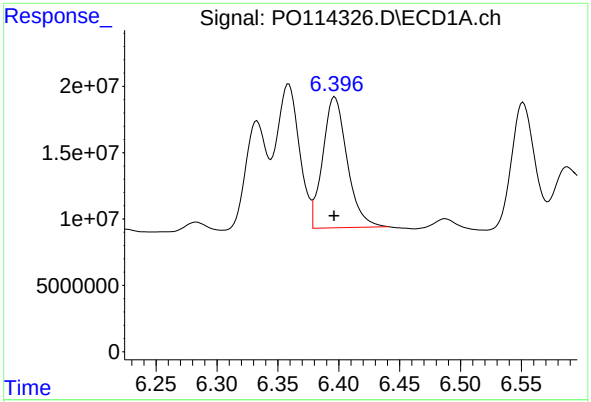
#24 AR-1248-4

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 142977730
Conc: 729.75 ng/ml



#24 AR-1248-4

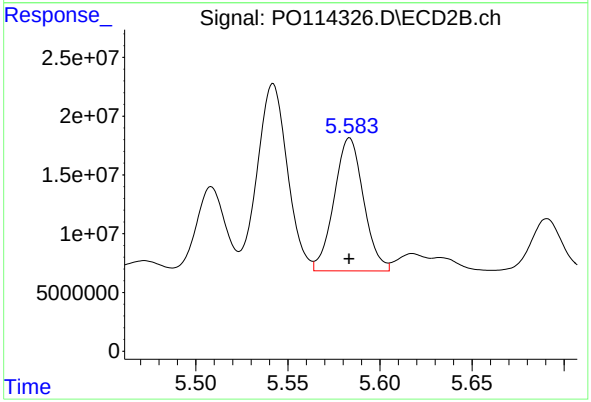
R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 122663639
Conc: 725.75 ng/ml



#25 AR-1248-5

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 137705918
Conc: 721.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 126266683
Conc: 727.69 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 18:30
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 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...	4.355	3.659	305.9E6	233.9E6	50.000	50.000
2)	SA Decachlor...	9.933	8.669	197.9E6	197.6E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.492	4.742	53089764	51797180	500.000	500.000
22)	L5 AR-1248-2	5.762	4.978	73263203	68831701	500.000	500.000
23)	L5 AR-1248-3	5.963	5.021	81710216	71653127	500.000	500.000
24)	L5 AR-1248-4	6.359	5.191	97963368	84508243	500.000	500.000
25)	L5 AR-1248-5	6.396	5.583	95379713	86758108	500.000	500.000

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

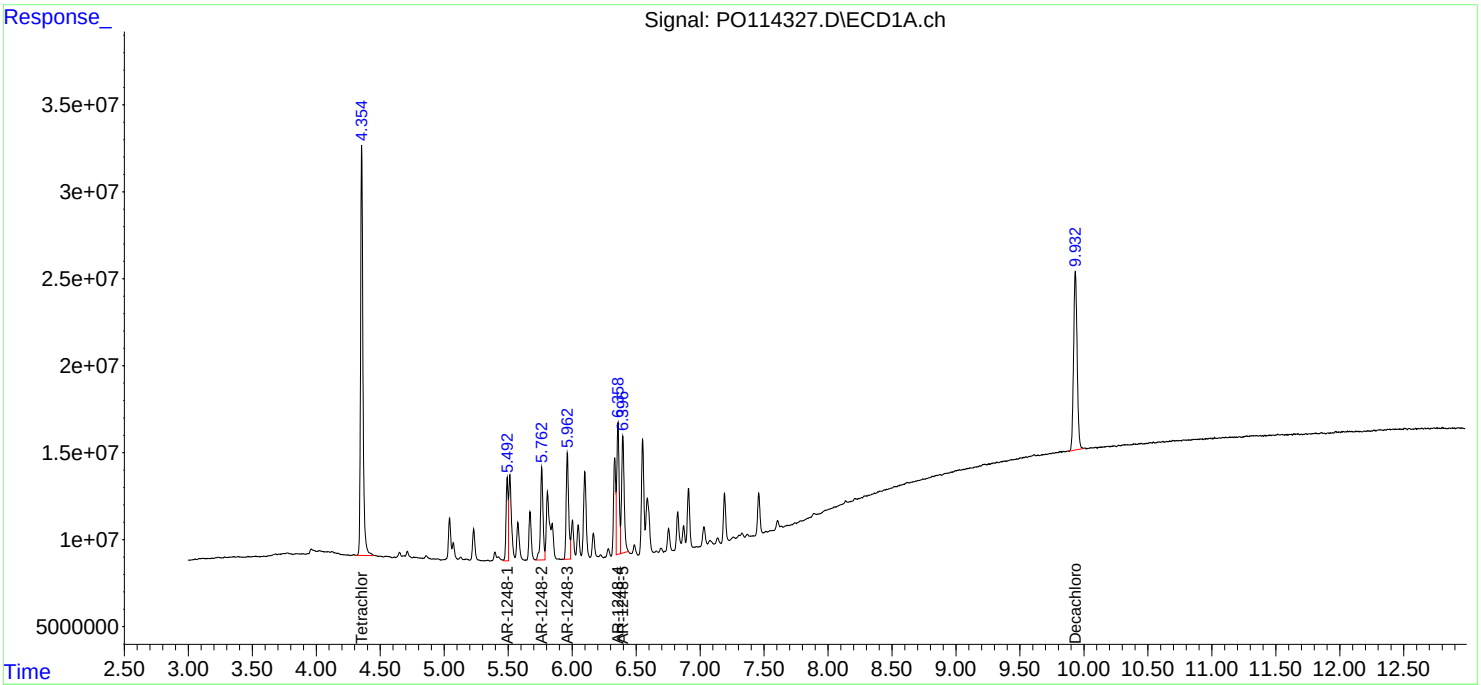
ICAL Form

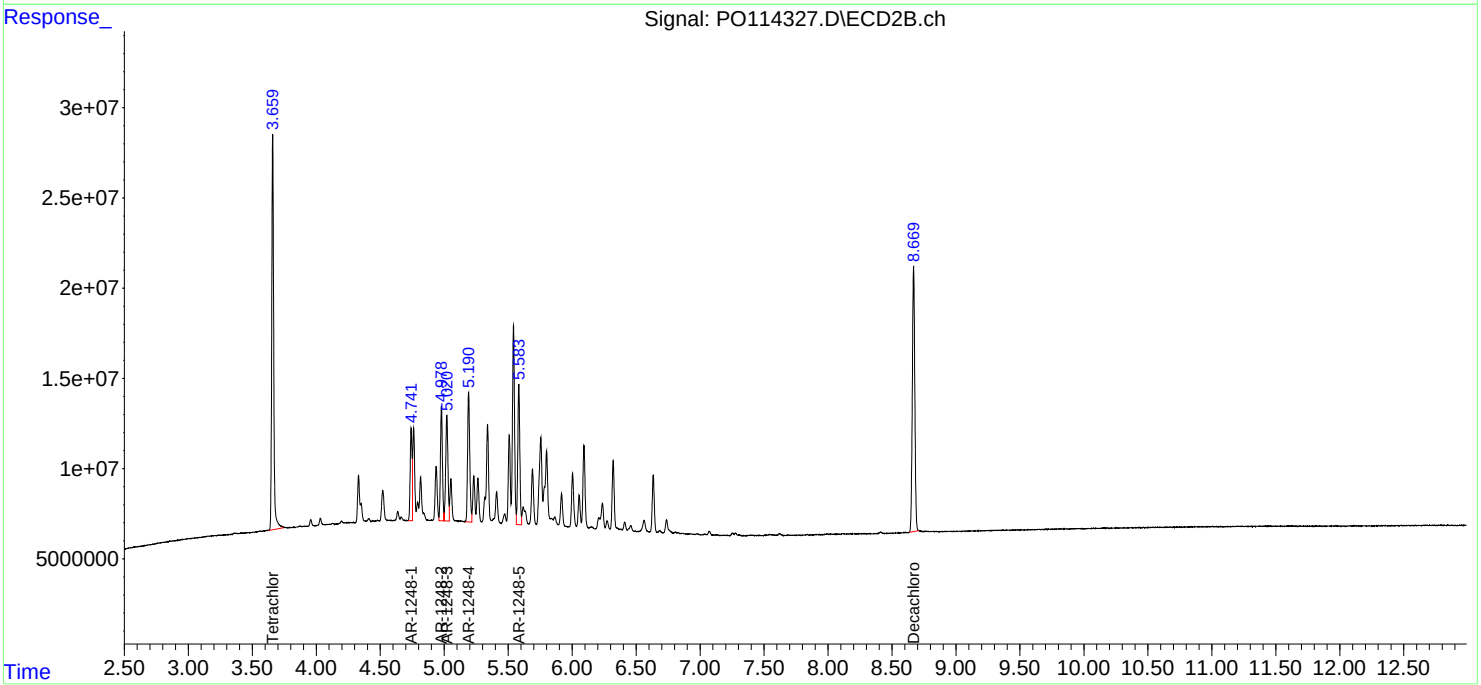
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 18:30
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

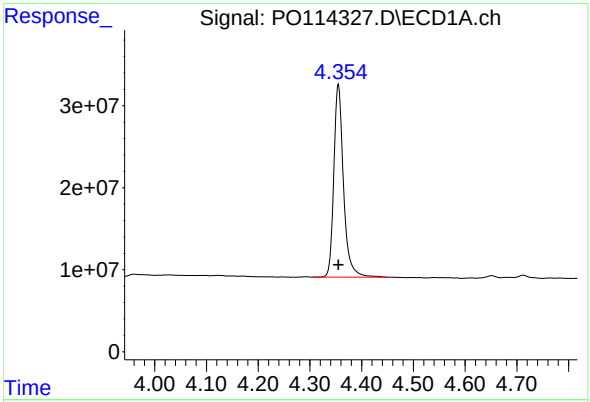
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



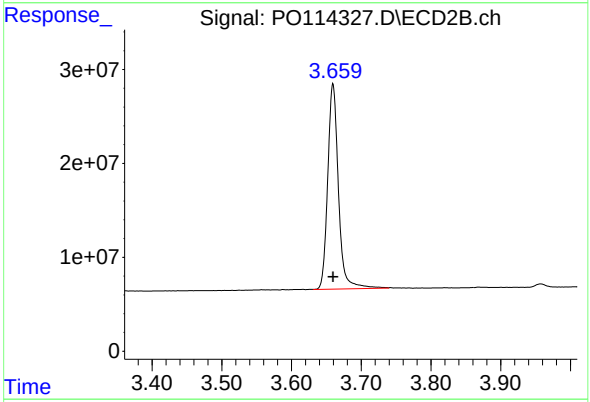




#1 Tetrachloro-m-xylene

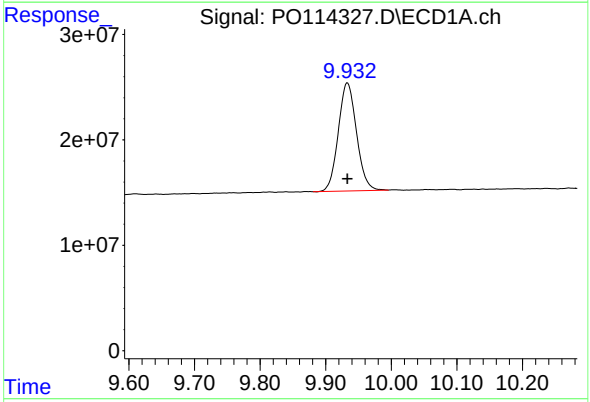
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 305869518
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



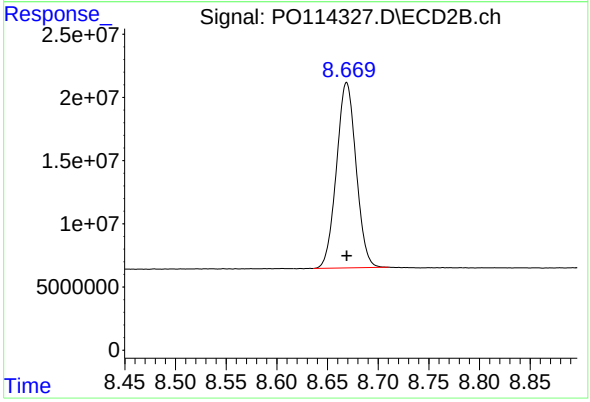
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 233877355
Conc: 50.00 ng/ml



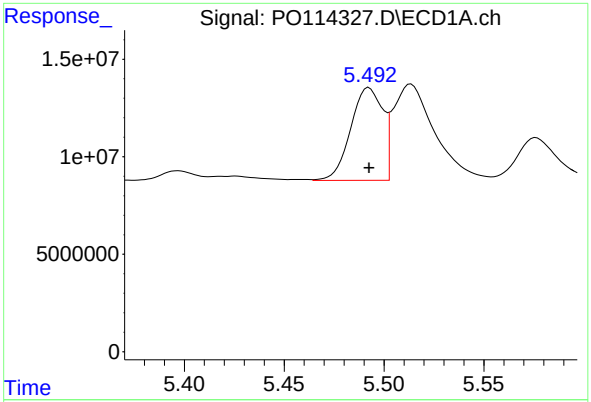
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 197873748
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

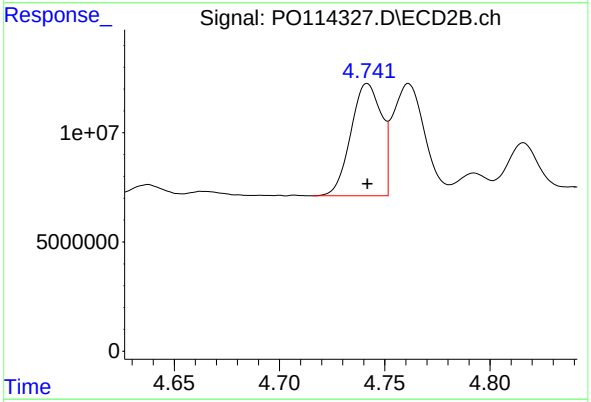
R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 197590019
Conc: 50.00 ng/ml



#21 AR-1248-1

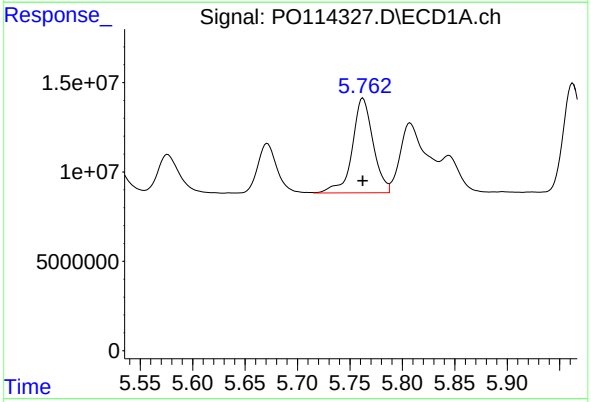
R.T.: 5.492 min
Delta R.T.: 0.000 min
Response: 53089764
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



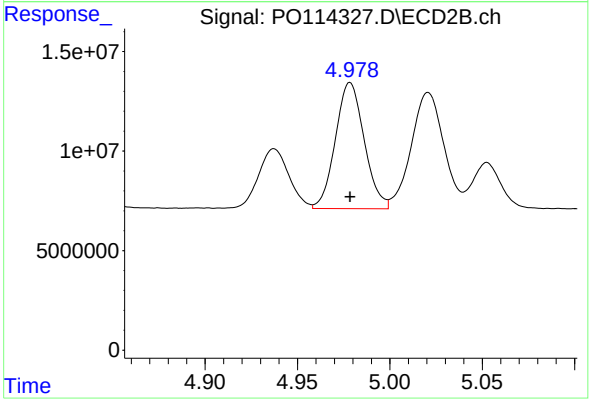
#21 AR-1248-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 51797180
Conc: 500.00 ng/ml



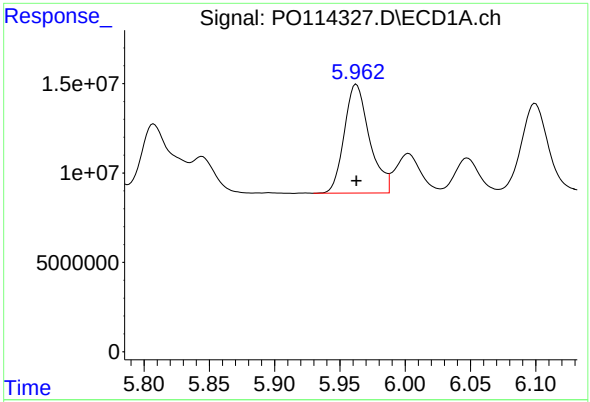
#22 AR-1248-2

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 73263203
Conc: 500.00 ng/ml



#22 AR-1248-2

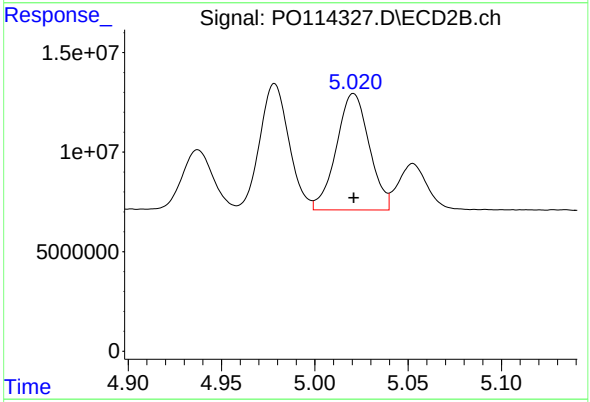
R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 68831701
Conc: 500.00 ng/ml



#23 AR-1248-3

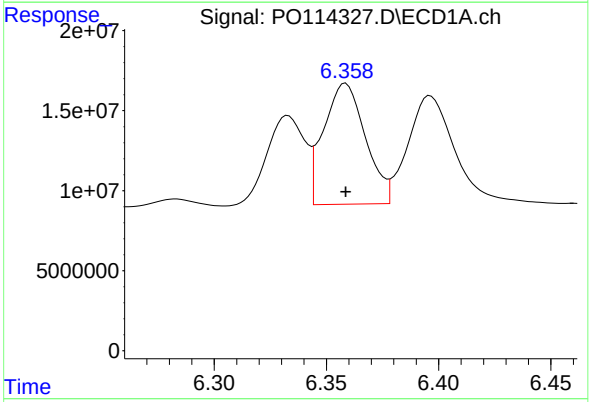
R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 81710216
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



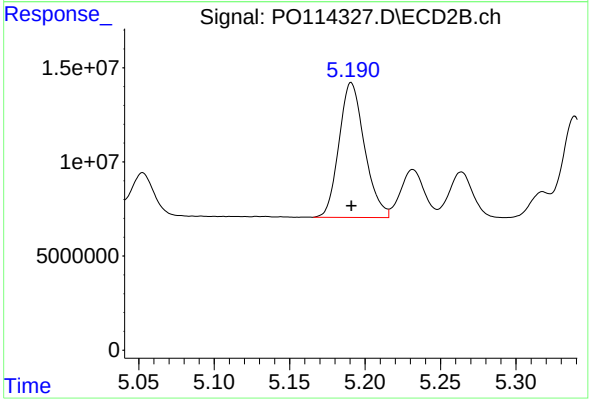
#23 AR-1248-3

R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 71653127
Conc: 500.00 ng/ml



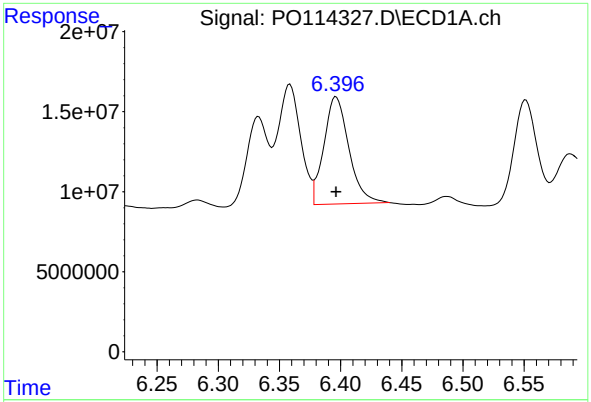
#24 AR-1248-4

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 97963368
Conc: 500.00 ng/ml



#24 AR-1248-4

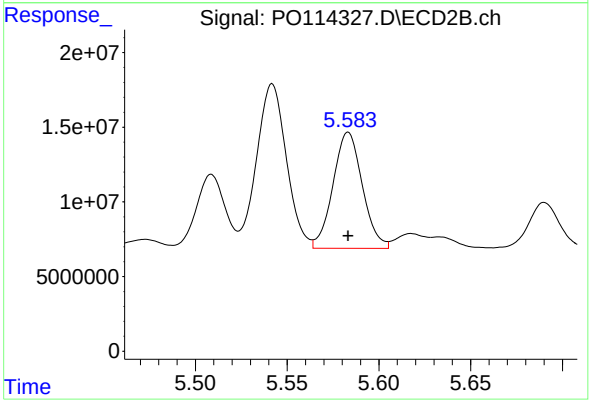
R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 84508243
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 95379713
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 86758108
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 18:49
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 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...	4.355	3.659	145.8E6	113.4E6	23.835	24.253
2)	SA Decachlor...	9.933	8.669	94098127	97777263	23.777	24.742
	Target Compounds						
21)	L5 AR-1248-1	5.492	4.742	25431383	25439597	239.513	245.569
22)	L5 AR-1248-2	5.763	4.978	36328448	34401216	247.931	249.894
23)	L5 AR-1248-3	5.962	5.021	39757173	35545296	243.282	248.037
24)	L5 AR-1248-4	6.359	5.190	48762871	41877521	248.883	247.772
25)	L5 AR-1248-5	6.396	5.583	50703298	42826475	265.797m	246.815

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 18:49
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

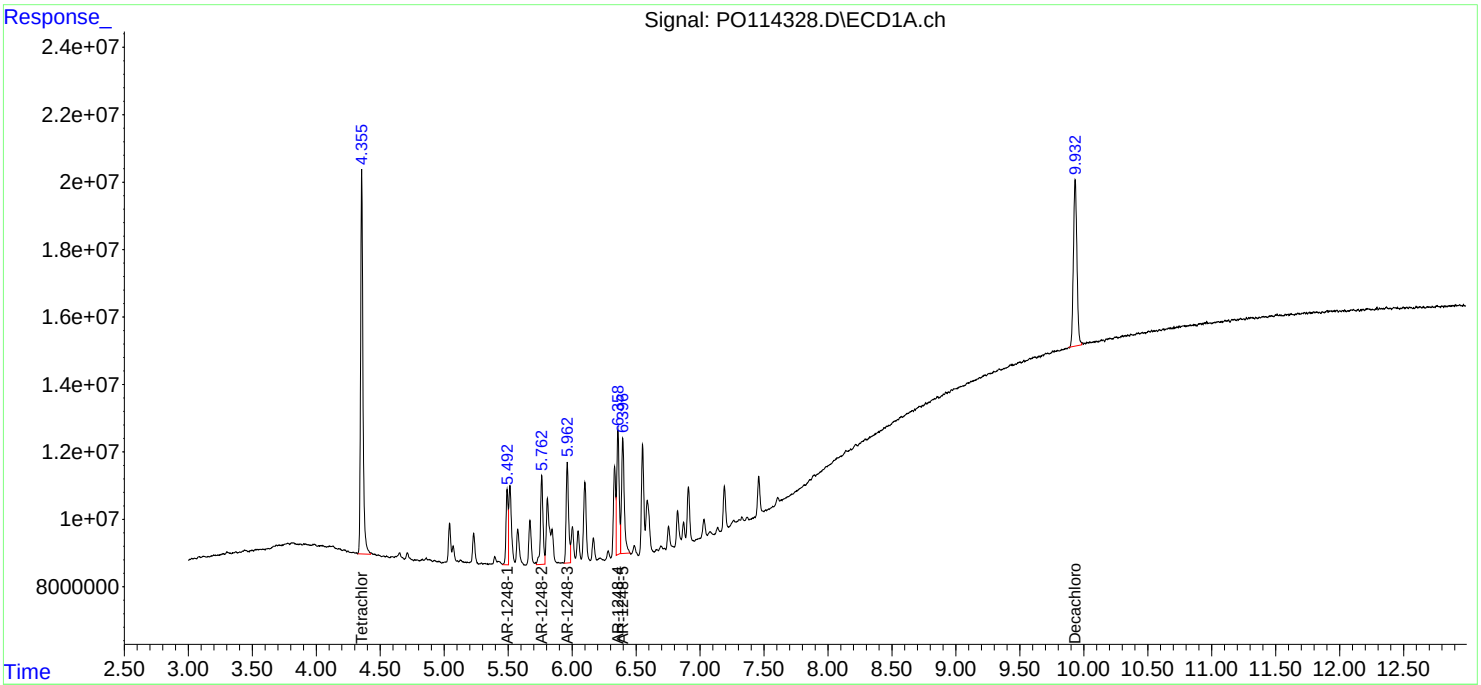
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

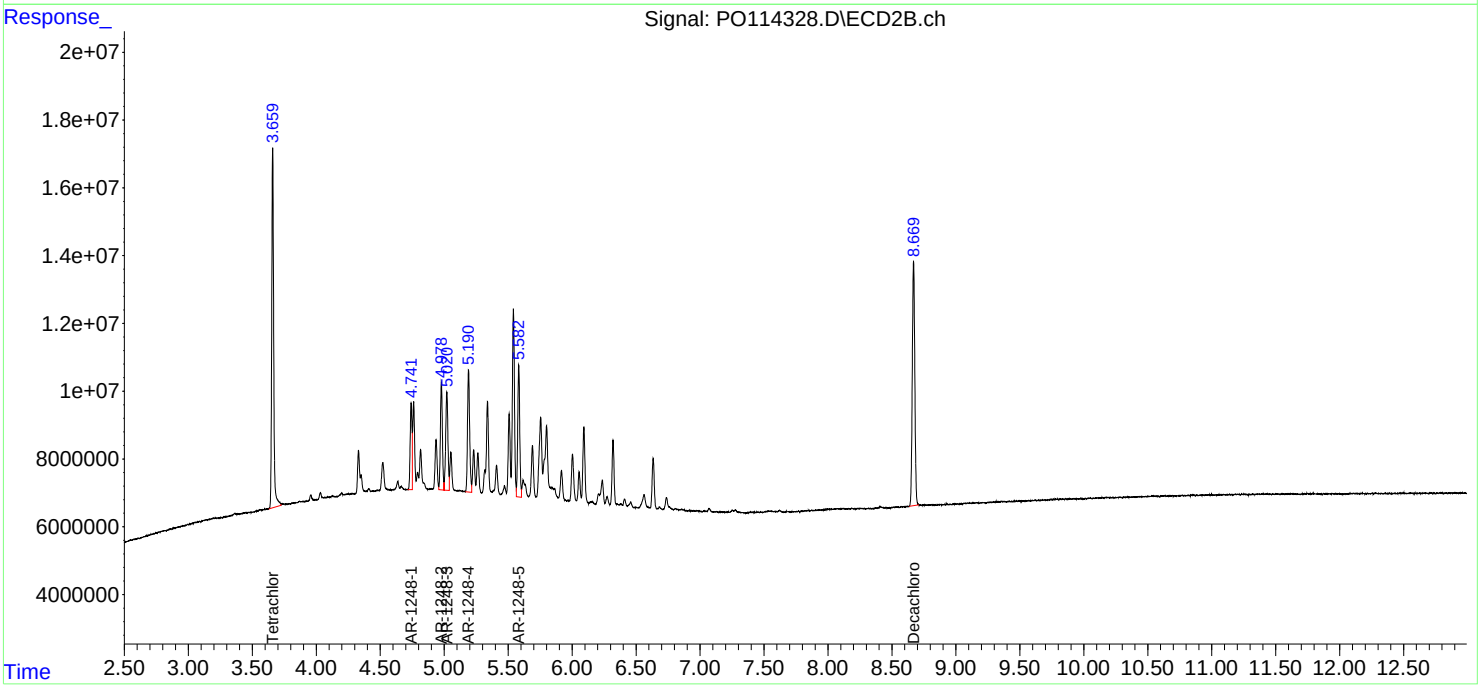
Manual Integrations APPROVED

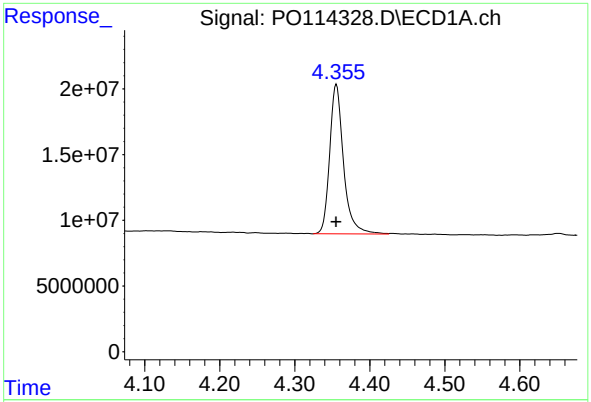
Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







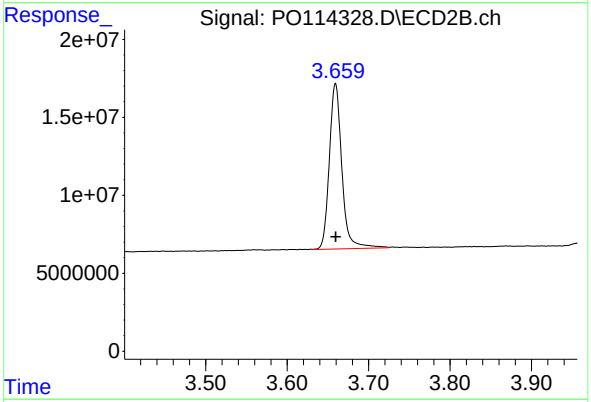
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 145807263
Conc: 23.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

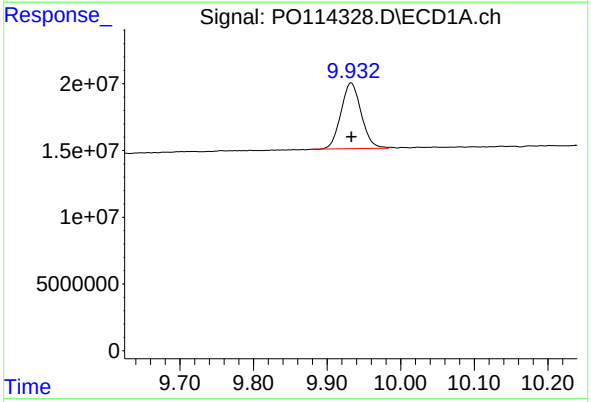
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



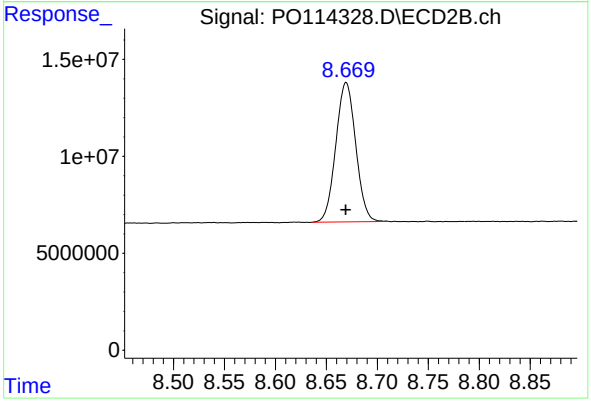
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 113442734
Conc: 24.25 ng/ml



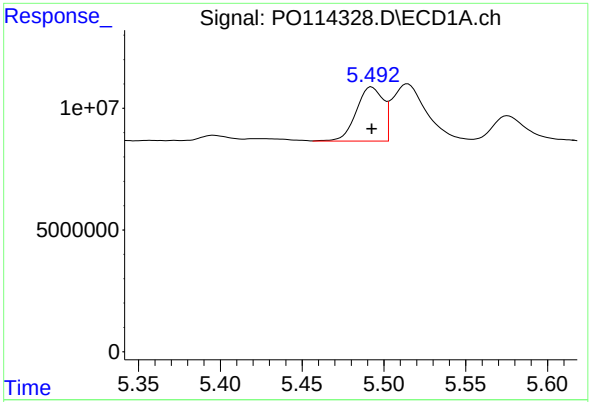
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 94098127
Conc: 23.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 97777263
Conc: 24.74 ng/ml



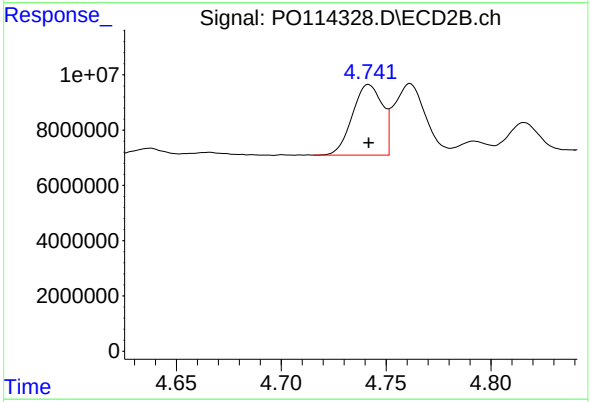
#21 AR-1248-1

R.T.: 5.492 min
Delta R.T.: 0.000 min
Response: 25431383
Conc: 239.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

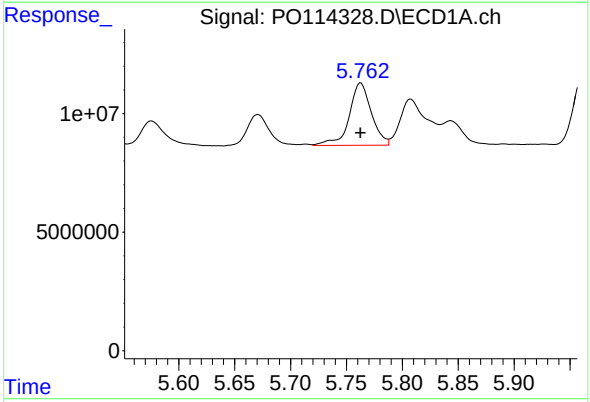
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



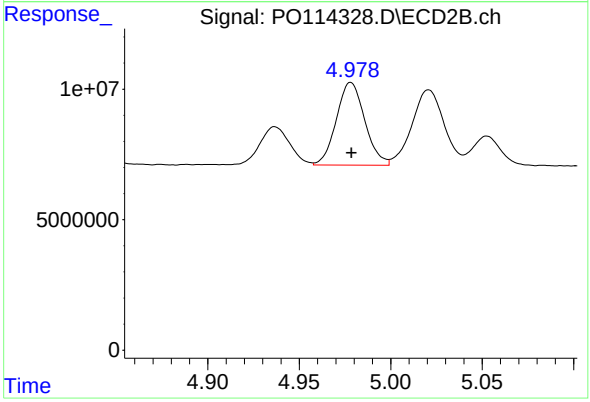
#21 AR-1248-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 25439597
Conc: 245.57 ng/ml



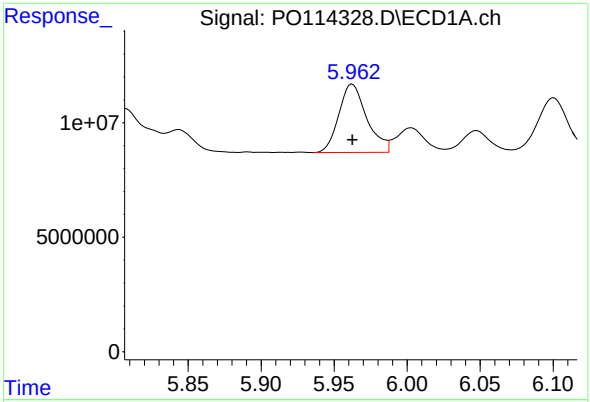
#22 AR-1248-2

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 36328448
Conc: 247.93 ng/ml



#22 AR-1248-2

R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 34401216
Conc: 249.89 ng/ml



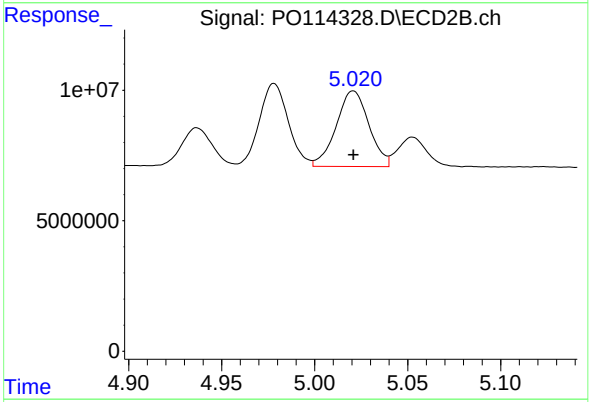
#23 AR-1248-3

R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 39757173
Conc: 243.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

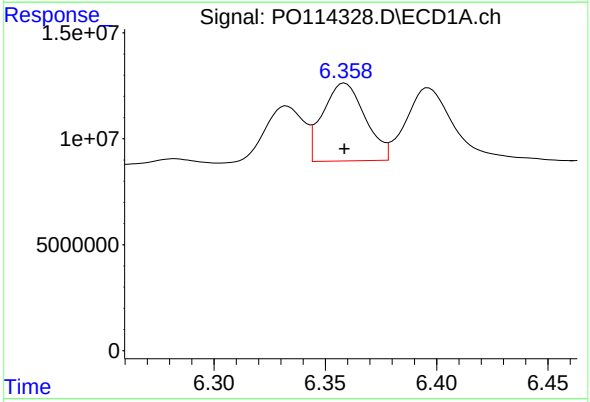
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



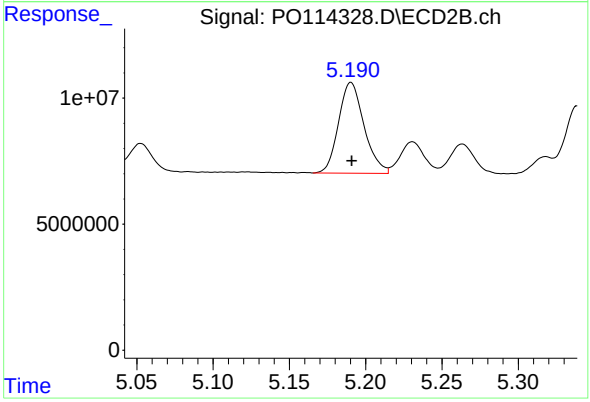
#23 AR-1248-3

R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 35545296
Conc: 248.04 ng/ml



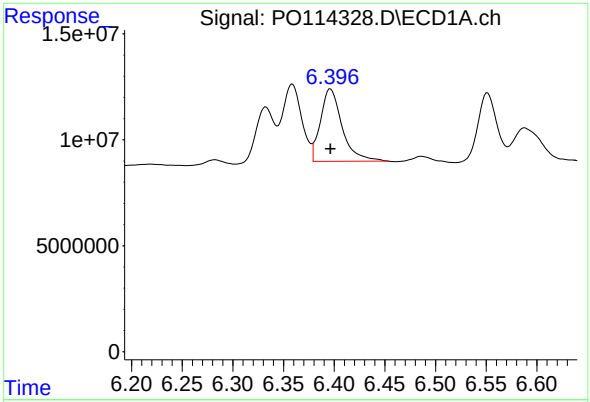
#24 AR-1248-4

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 48762871
Conc: 248.88 ng/ml



#24 AR-1248-4

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 41877521
Conc: 247.77 ng/ml



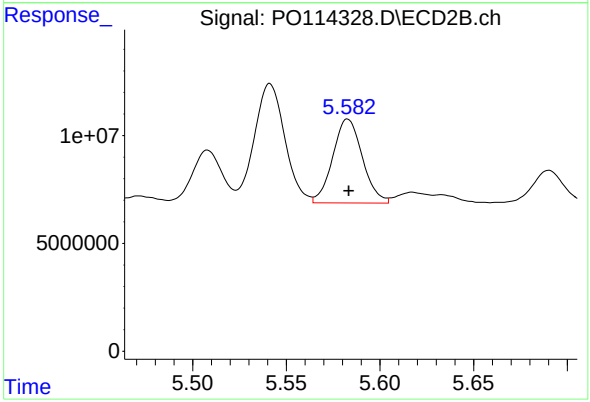
#25 AR-1248-5

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 50703298
Conc: 265.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



#25 AR-1248-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 42826475
Conc: 246.82 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 19:07
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 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...	4.355	3.659	28241886	21305171	4.617	4.555
2)	SA Decachlor...	9.932	8.668	18677603	19685546	4.720	4.981
	Target Compounds						
21)	L5 AR-1248-1	5.490	4.741	4159113	4657507	39.171m	44.959
22)	L5 AR-1248-2	5.762	4.978	7278103	6809946	49.671	49.468
23)	L5 AR-1248-3	5.962	5.020	8029666	7123518	49.135	49.708
24)	L5 AR-1248-4	6.359	5.190	10757306	8352240	54.905	49.417
25)	L5 AR-1248-5	6.396	5.582	12462323	8745007	65.330m	50.399

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 19:07
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

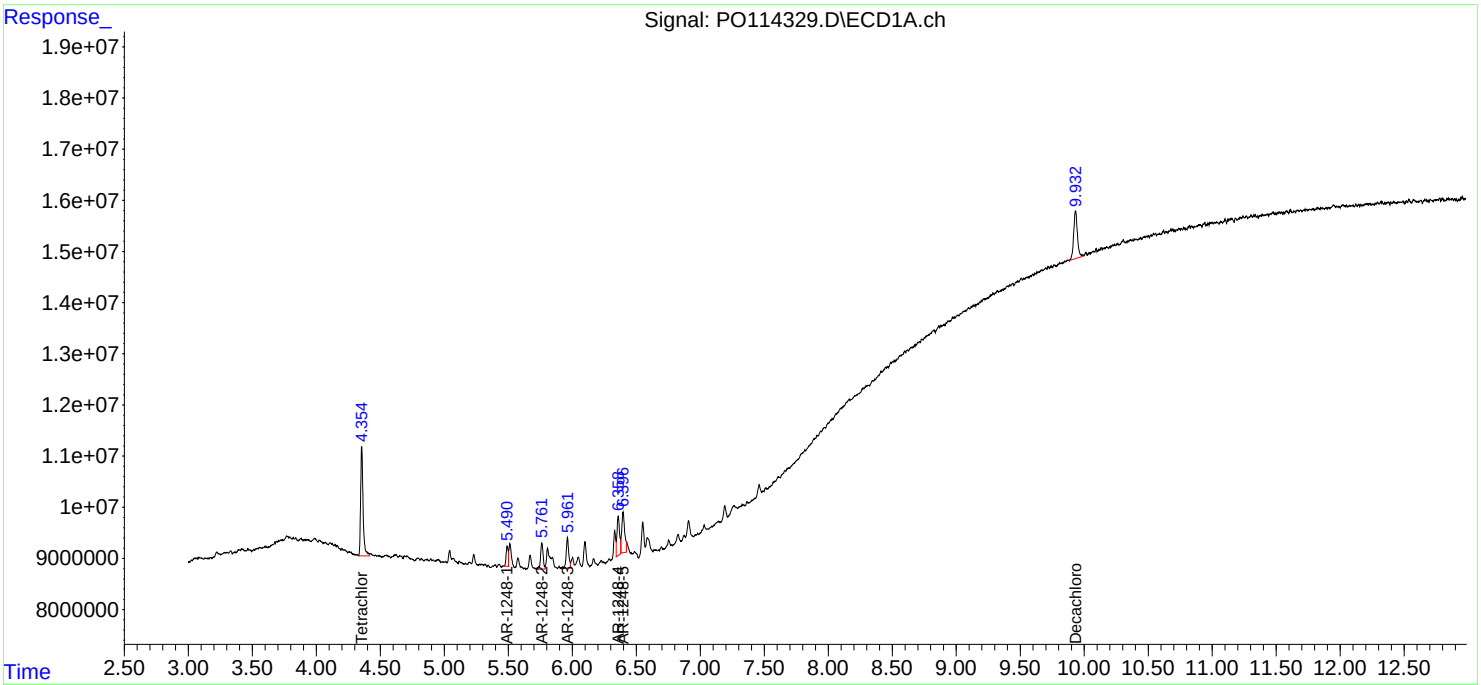
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

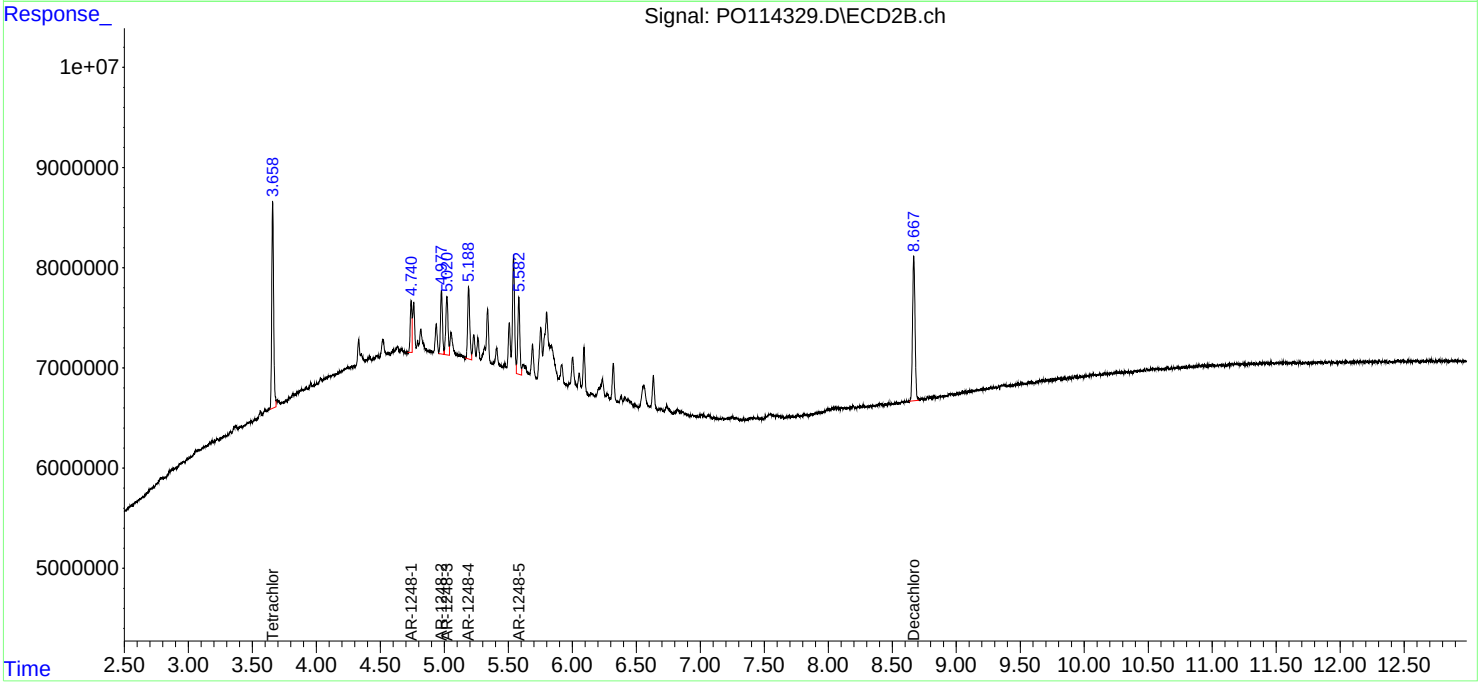
Manual Integrations APPROVED

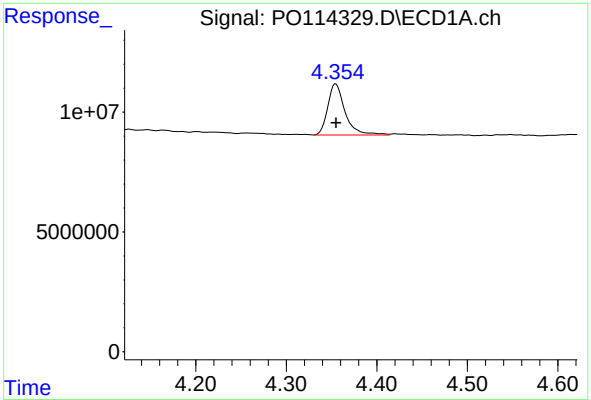
Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:20:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:15:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







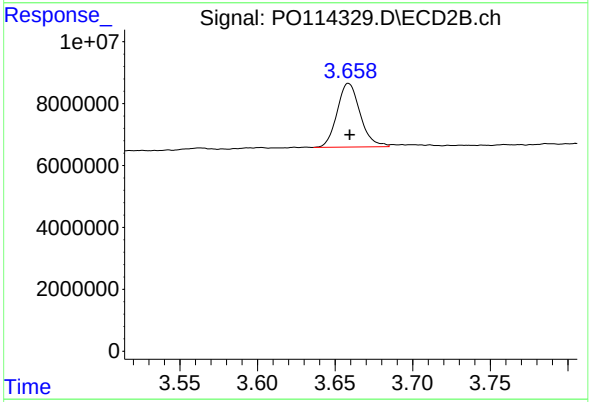
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 28241886
Conc: 4.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

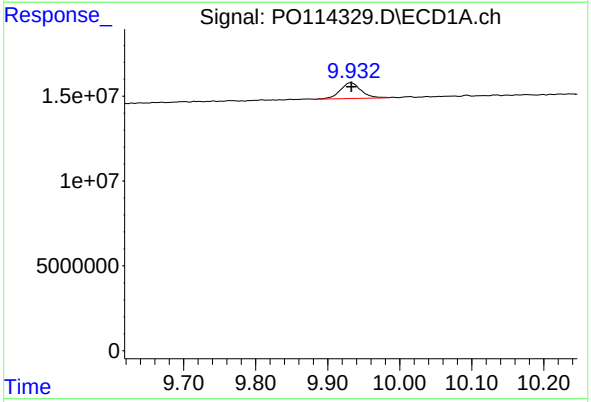
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



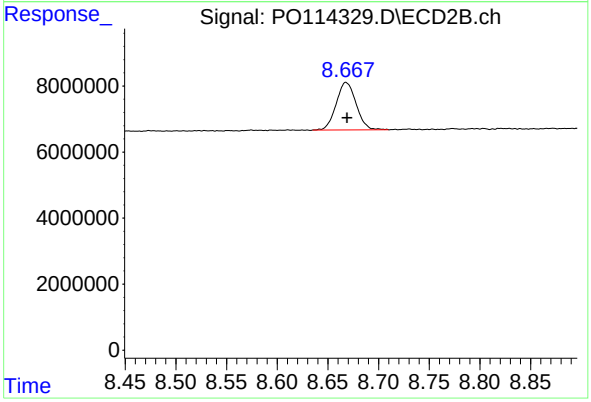
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 21305171
Conc: 4.55 ng/ml



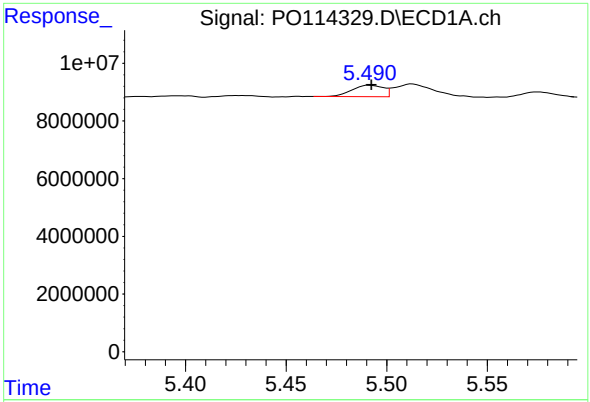
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 18677603
Conc: 4.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 19685546
Conc: 4.98 ng/ml



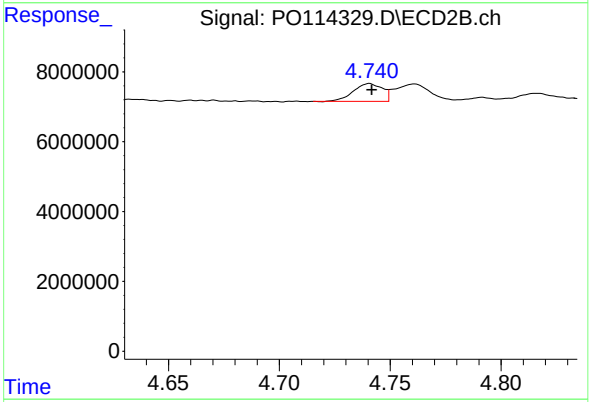
#21 AR-1248-1

R.T.: 5.490 min
Delta R.T.: -0.002 min
Response: 4159113
Conc: 39.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

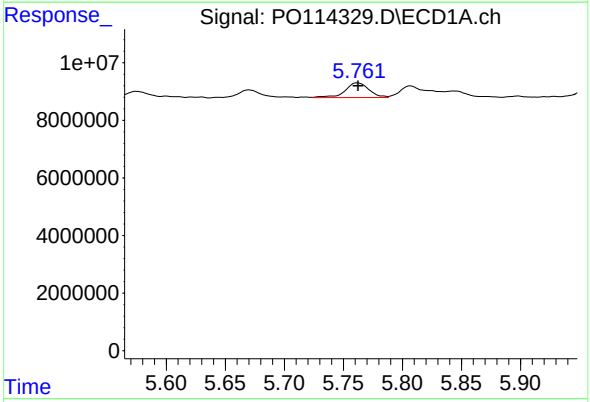
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



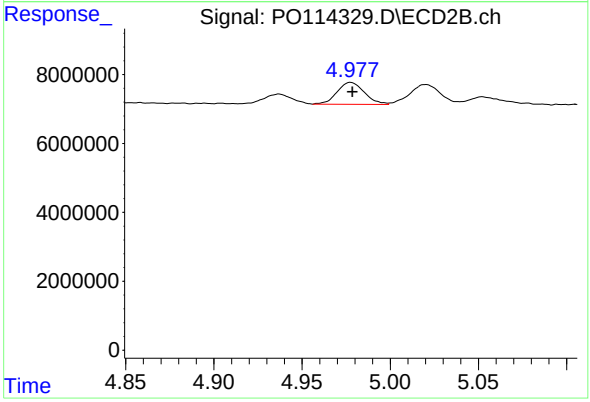
#21 AR-1248-1

R.T.: 4.741 min
Delta R.T.: 0.000 min
Response: 4657507
Conc: 44.96 ng/ml



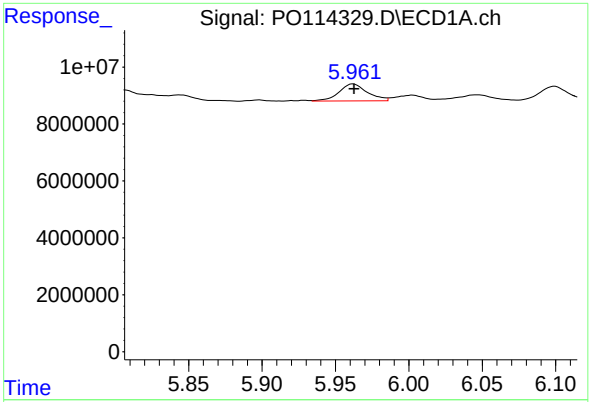
#22 AR-1248-2

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 7278103
Conc: 49.67 ng/ml



#22 AR-1248-2

R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 6809946
Conc: 49.47 ng/ml



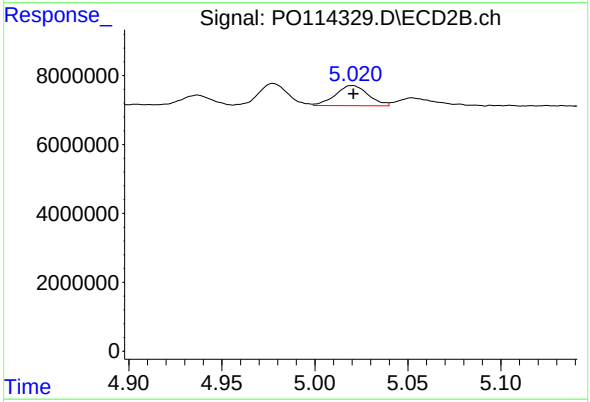
#23 AR-1248-3

R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 8029666
Conc: 49.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

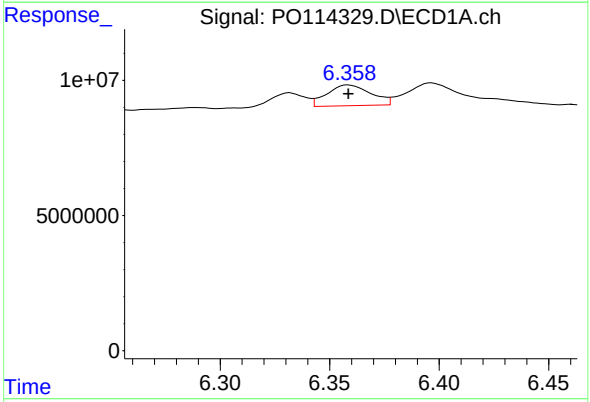
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



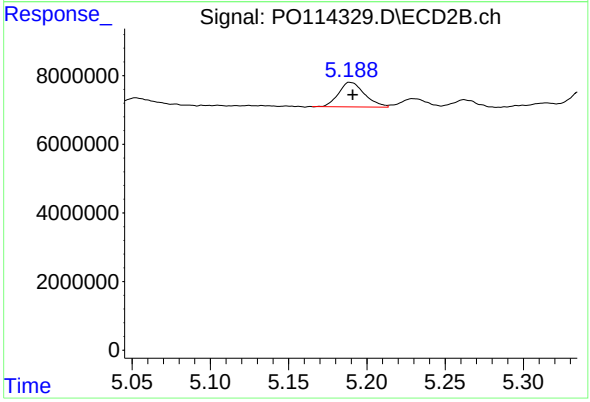
#23 AR-1248-3

R.T.: 5.020 min
Delta R.T.: 0.000 min
Response: 7123518
Conc: 49.71 ng/ml



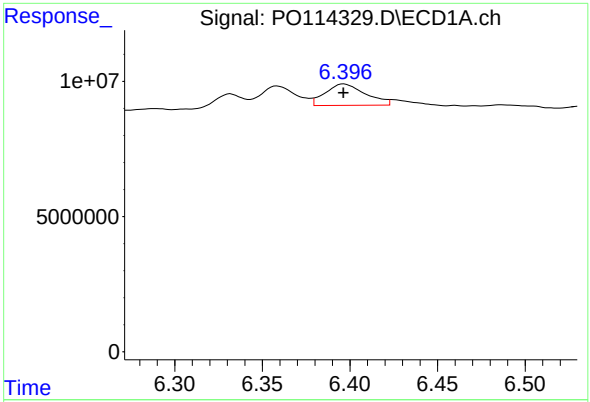
#24 AR-1248-4

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 10757306
Conc: 54.90 ng/ml



#24 AR-1248-4

R.T.: 5.190 min
Delta R.T.: -0.001 min
Response: 8352240
Conc: 49.42 ng/ml



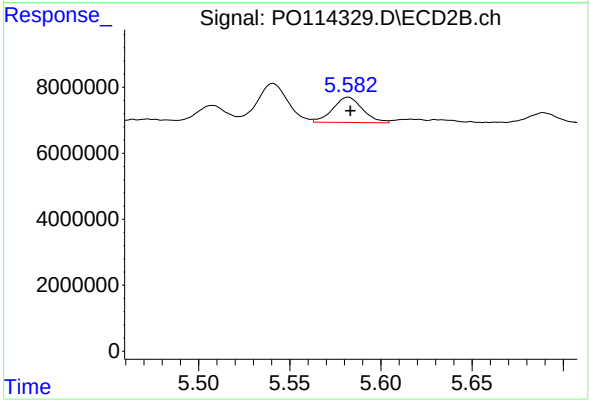
#25 AR-1248-5

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 12462323
Conc: 65.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



#25 AR-1248-5

R.T.: 5.582 min
Delta R.T.: -0.001 min
Response: 8745007
Conc: 50.40 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 19:26
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:53:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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...	4.355	3.659	582.3E6	442.7E6	96.190	95.725
2)	SA Decachlor...	9.932	8.669	379.2E6	367.3E6	96.328	93.580
	Target Compounds						
26)	L6 AR-1254-1	6.335	5.543	171.9E6	247.2E6	942.832	914.416
27)	L6 AR-1254-2	6.551	5.691	248.6E6	219.2E6	933.098	916.170
28)	L6 AR-1254-3	6.910	6.093	279.0E6	340.1E6	951.009	928.694
29)	L6 AR-1254-4	7.192	6.321	232.4E6	246.4E6	935.995	924.595
30)	L6 AR-1254-5	7.607	6.739	221.0E6	309.3E6	953.461	929.374

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

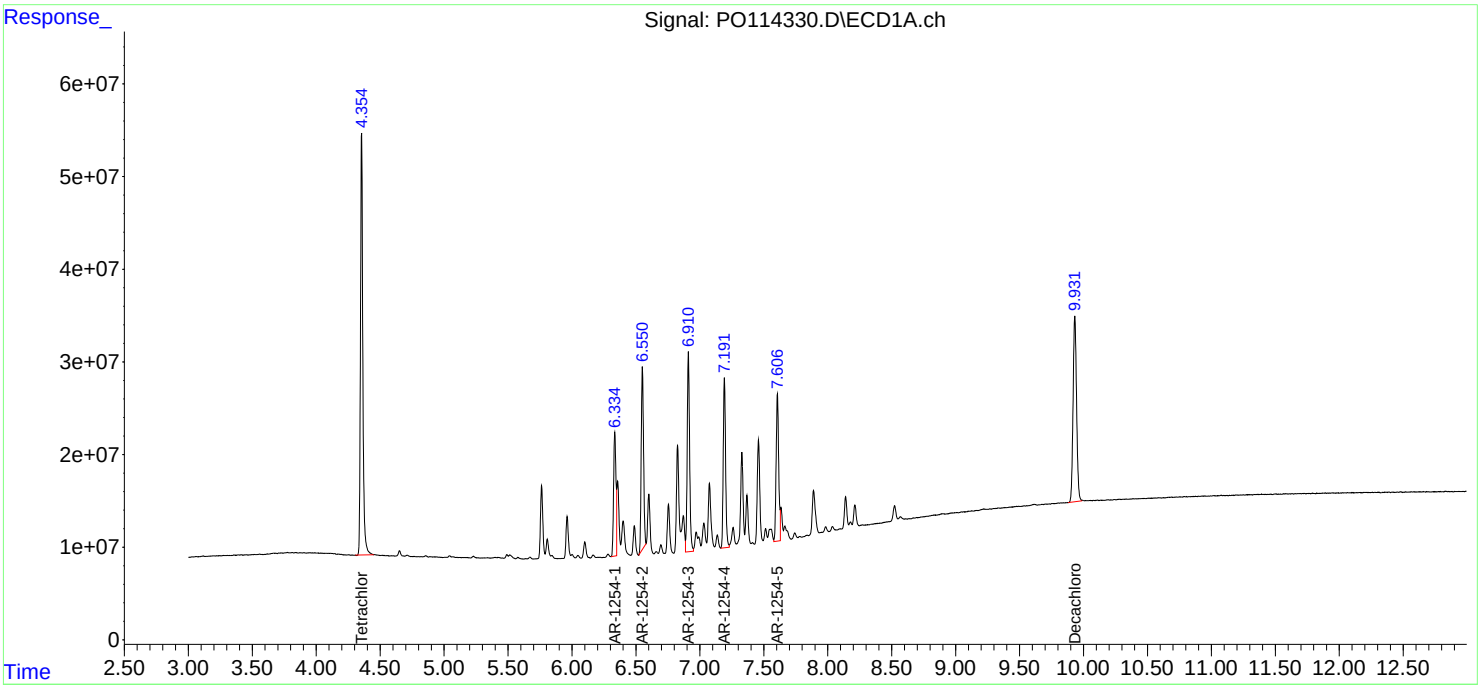
ICAL Form

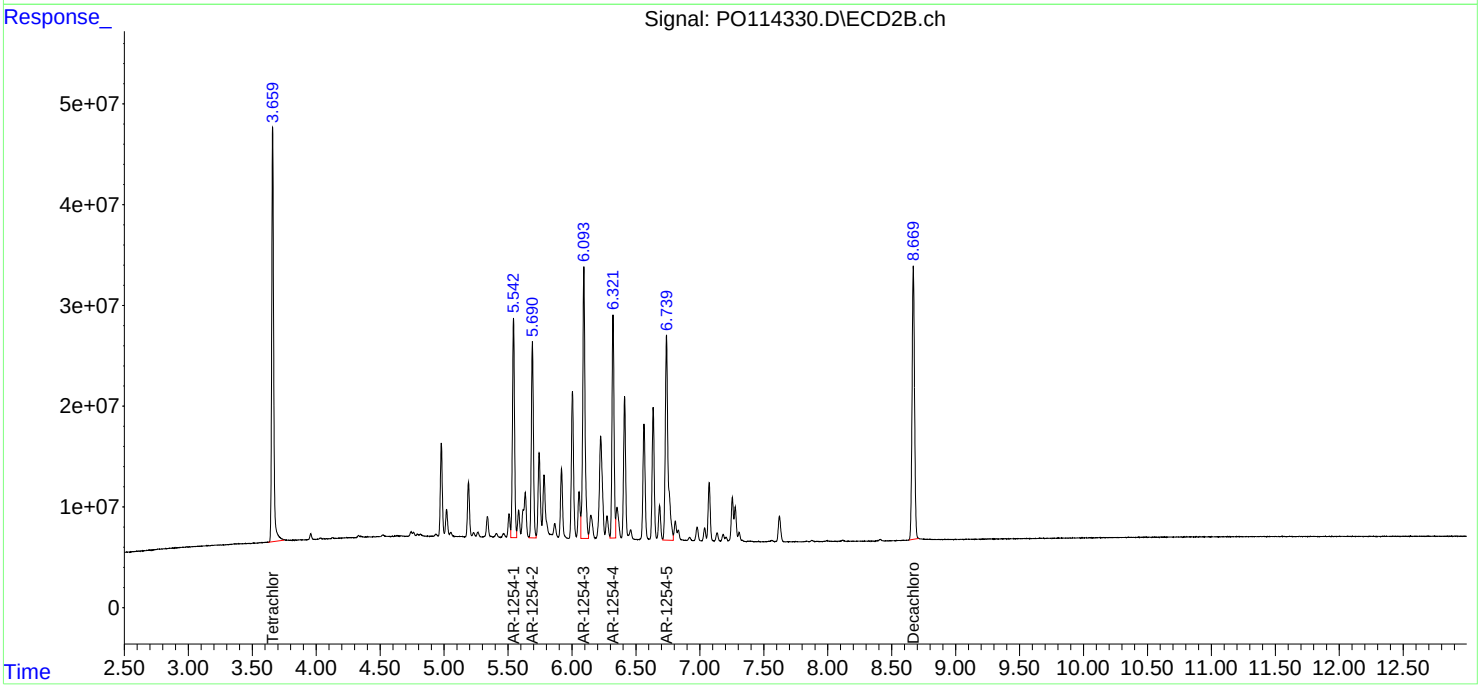
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 19:26
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

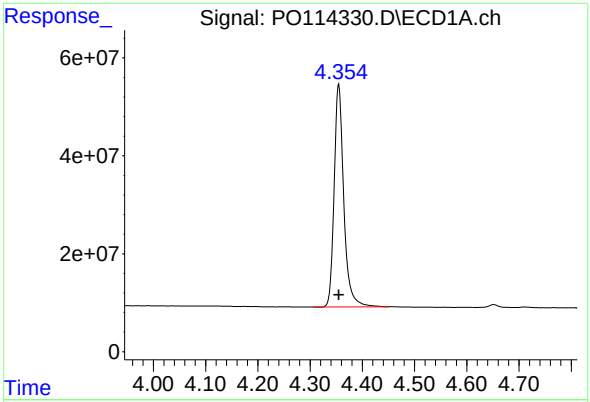
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:53:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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



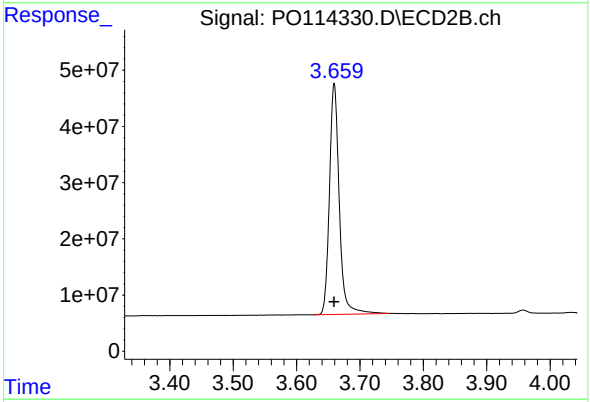




#1 Tetrachloro-m-xylene

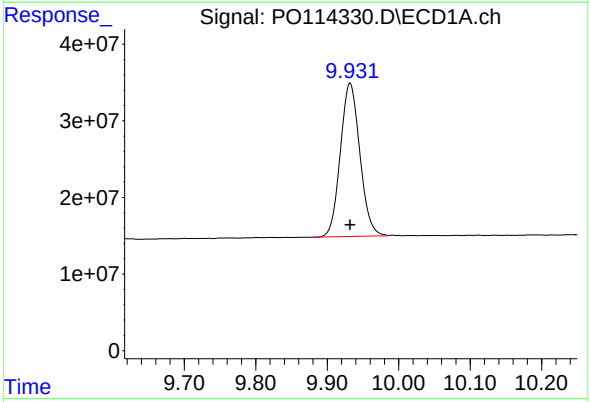
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 582282489
Conc: 96.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



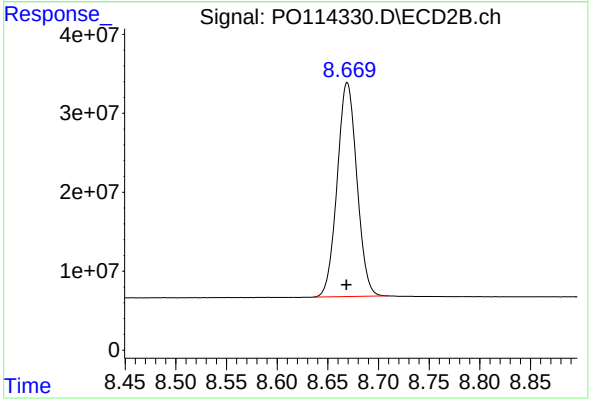
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 442675237
Conc: 95.73 ng/ml



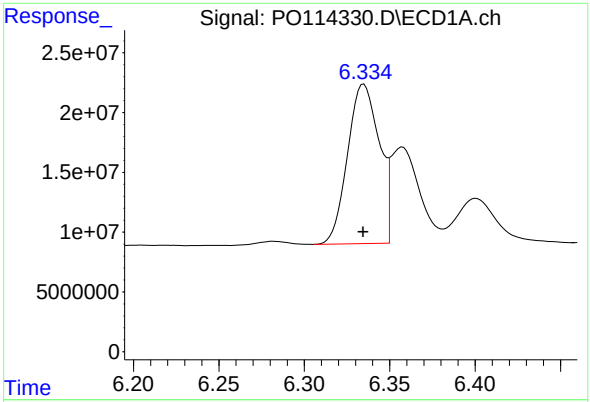
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 379237392
Conc: 96.33 ng/ml



#2 Decachlorobiphenyl

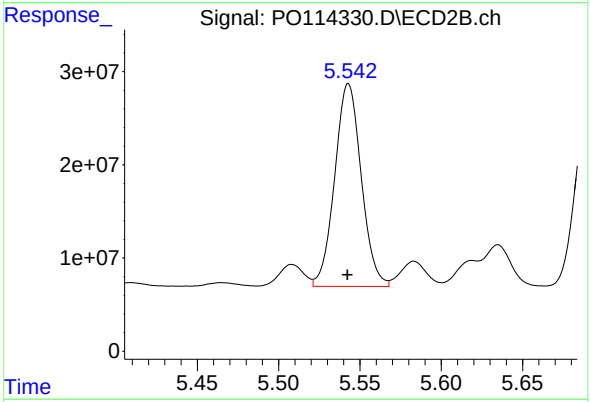
R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 367313413
Conc: 93.58 ng/ml



#26 AR-1254-1

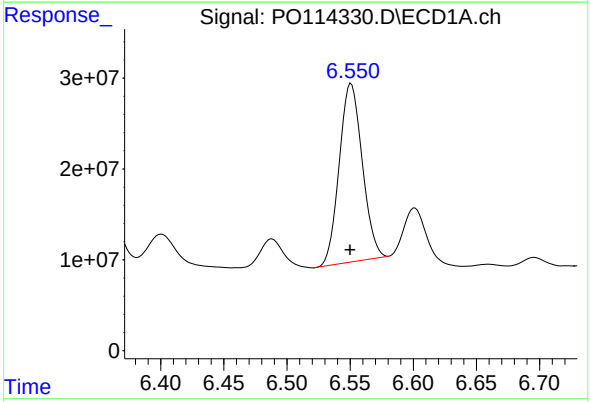
R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 171902953
Conc: 942.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



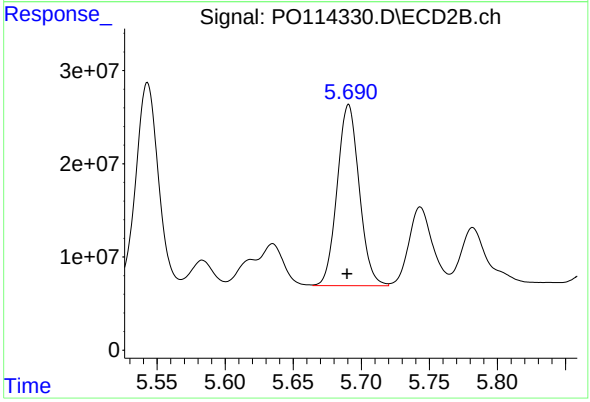
#26 AR-1254-1

R.T.: 5.543 min
Delta R.T.: 0.000 min
Response: 247222467
Conc: 914.42 ng/ml



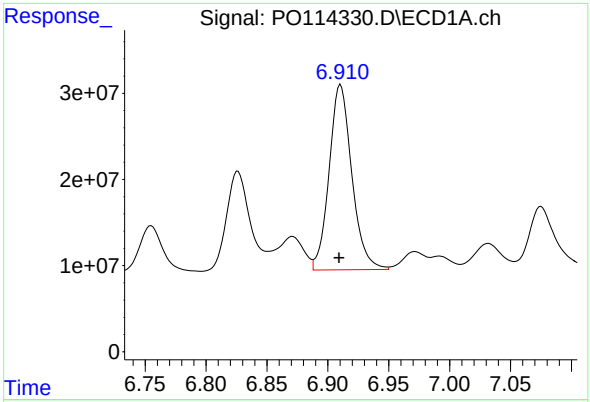
#27 AR-1254-2

R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 248603985
Conc: 933.10 ng/ml



#27 AR-1254-2

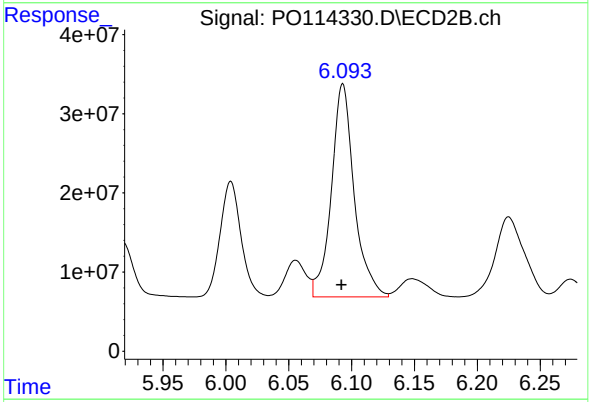
R.T.: 5.691 min
Delta R.T.: 0.001 min
Response: 219192417
Conc: 916.17 ng/ml



#28 AR-1254-3

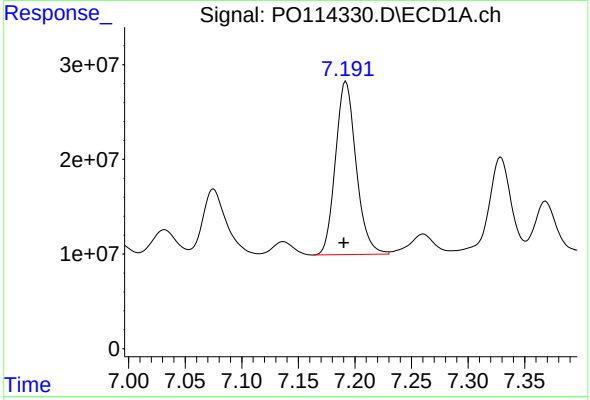
R.T.: 6.910 min
Delta R.T.: 0.001 min
Response: 278966197
Conc: 951.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



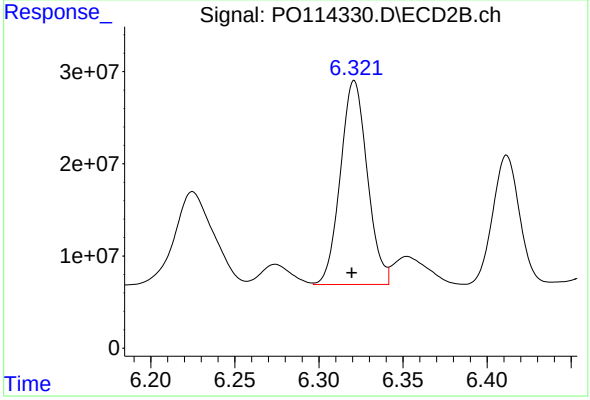
#28 AR-1254-3

R.T.: 6.093 min
Delta R.T.: 0.001 min
Response: 340127494
Conc: 928.69 ng/ml



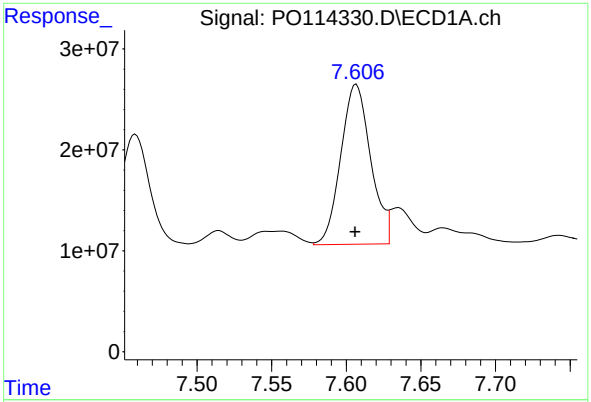
#29 AR-1254-4

R.T.: 7.192 min
Delta R.T.: 0.002 min
Response: 232417367
Conc: 936.00 ng/ml



#29 AR-1254-4

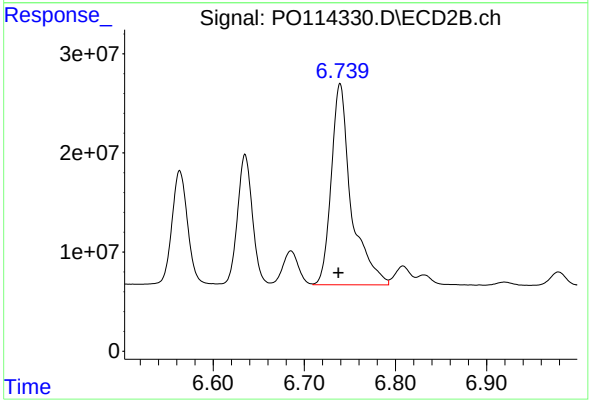
R.T.: 6.321 min
Delta R.T.: 0.001 min
Response: 246402938
Conc: 924.59 ng/ml



#30 AR-1254-5

R.T.: 7.607 min
Delta R.T.: 0.000 min
Response: 221022379
Conc: 953.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.739 min
Delta R.T.: 0.002 min
Response: 309302184
Conc: 929.37 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 19:44
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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...	4.355	3.659	449.1E6	339.1E6	74.192	73.318
2)	SA Decachlor...	9.934	8.668	292.2E6	286.2E6	74.230	72.919
	Target Compounds						
26)	L6 AR-1254-1	6.335	5.543	135.2E6	194.3E6	741.355	718.619
27)	L6 AR-1254-2	6.551	5.690	192.9E6	171.7E6	723.920	717.689
28)	L6 AR-1254-3	6.910	6.093	216.1E6	265.5E6	736.614	724.827
29)	L6 AR-1254-4	7.191	6.320	181.3E6	192.7E6	730.316	722.916
30)	L6 AR-1254-5	7.605	6.738	172.5E6	242.0E6	744.298	727.094

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

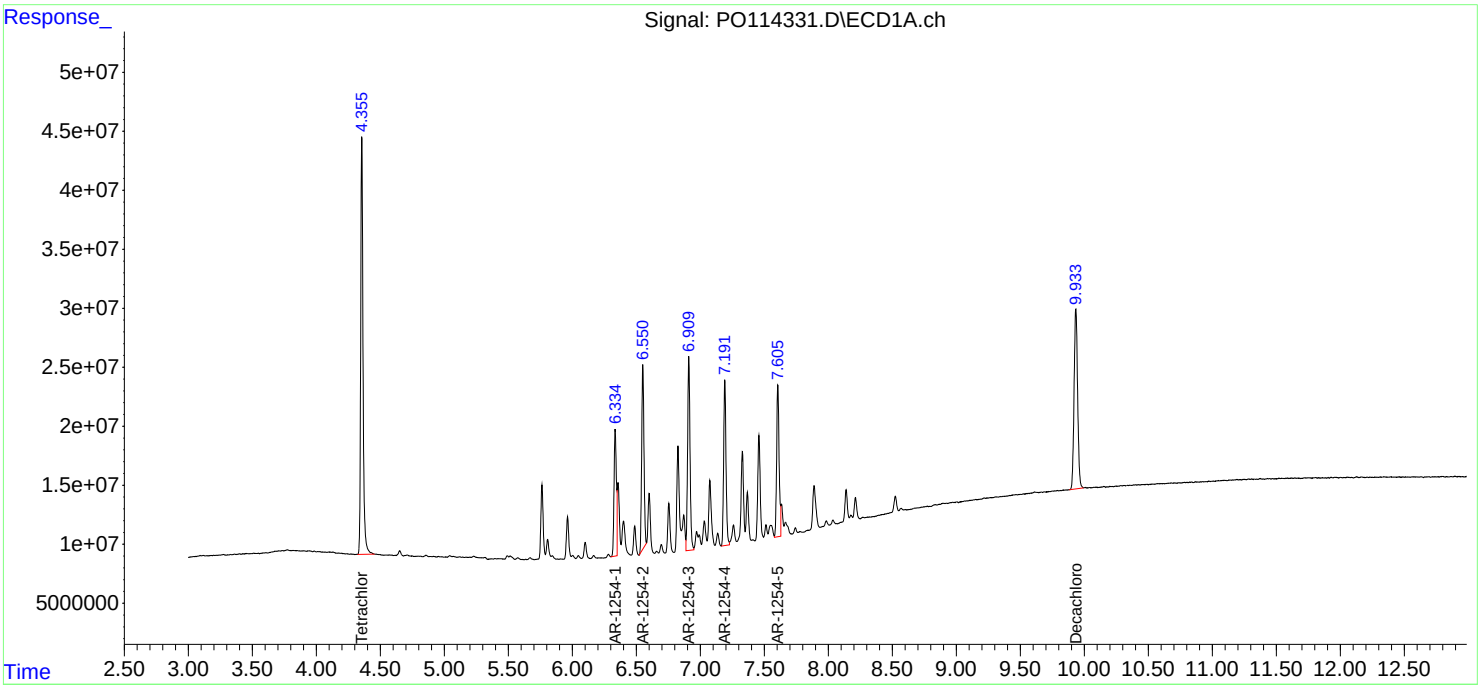
ICAL Form

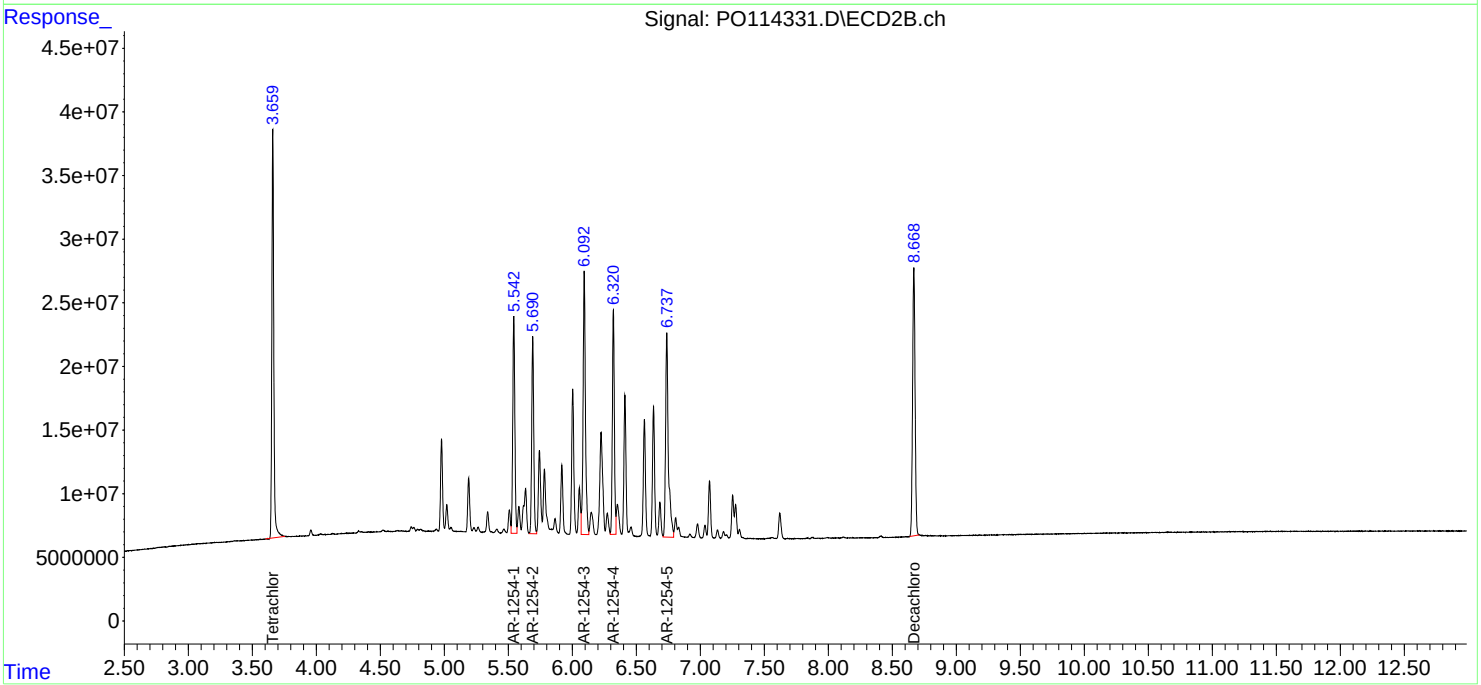
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 19:44
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

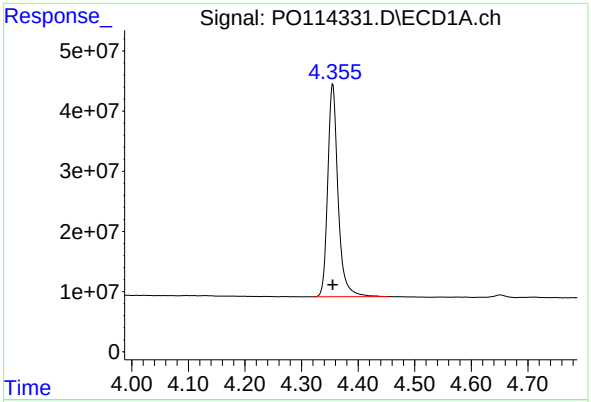
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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



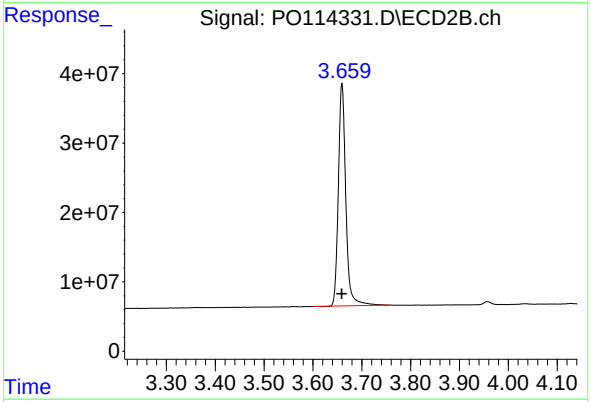




#1 Tetrachloro-m-xylene

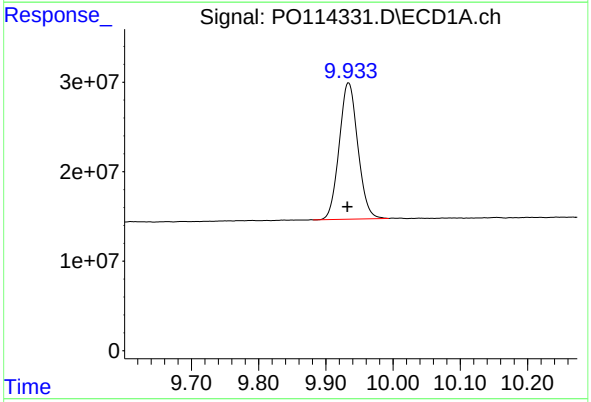
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 449122702
Conc: 74.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



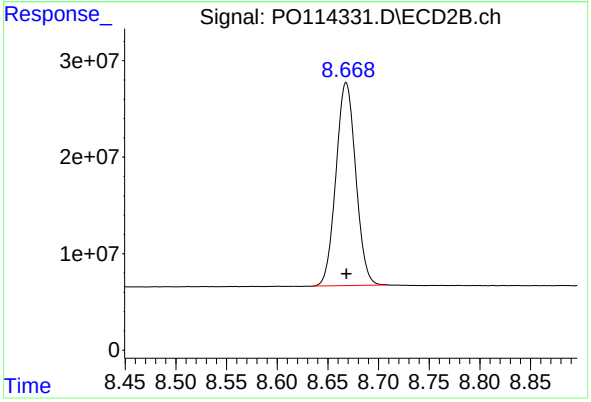
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 339052802
Conc: 73.32 ng/ml



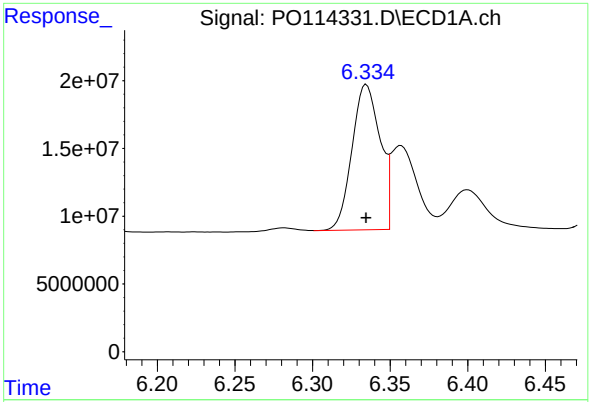
#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.002 min
Response: 292240642
Conc: 74.23 ng/ml



#2 Decachlorobiphenyl

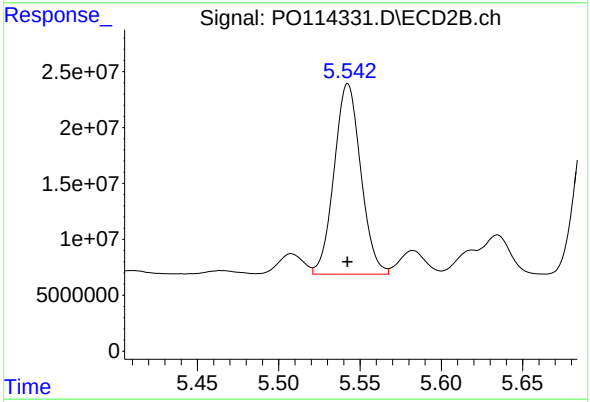
R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 286215915
Conc: 72.92 ng/ml



#26 AR-1254-1

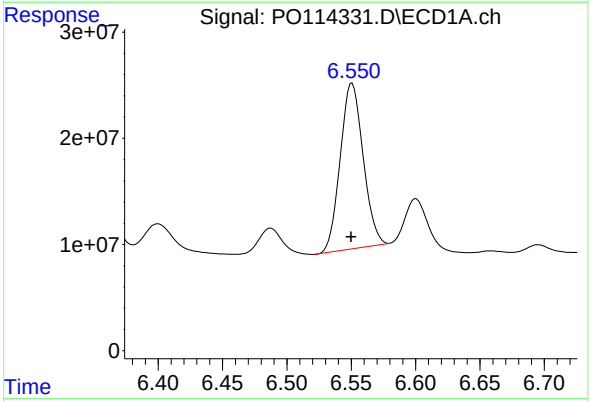
R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 135168339
Conc: 741.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



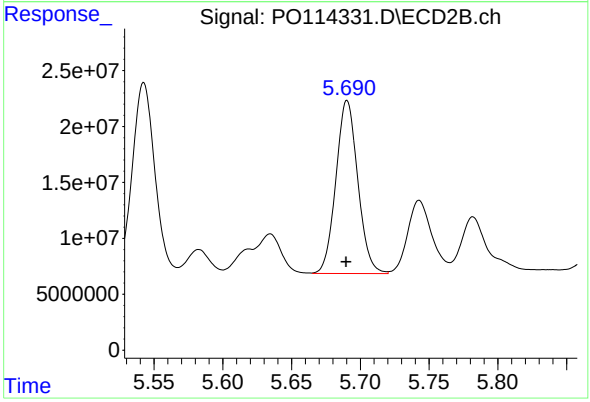
#26 AR-1254-1

R.T.: 5.543 min
Delta R.T.: 0.000 min
Response: 194286451
Conc: 718.62 ng/ml



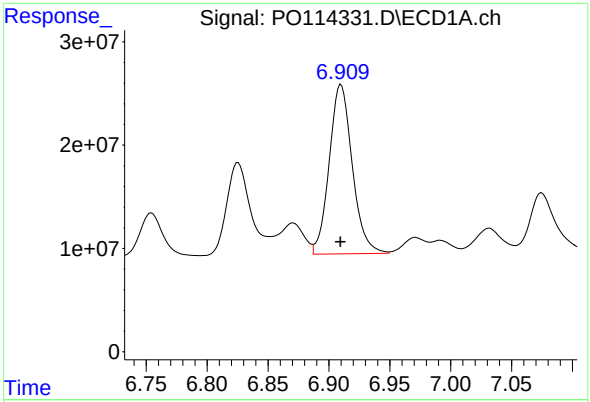
#27 AR-1254-2

R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 192873083
Conc: 723.92 ng/ml



#27 AR-1254-2

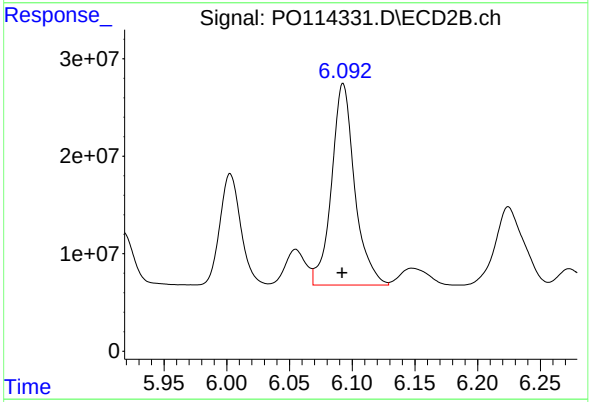
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 171706106
Conc: 717.69 ng/ml



#28 AR-1254-3

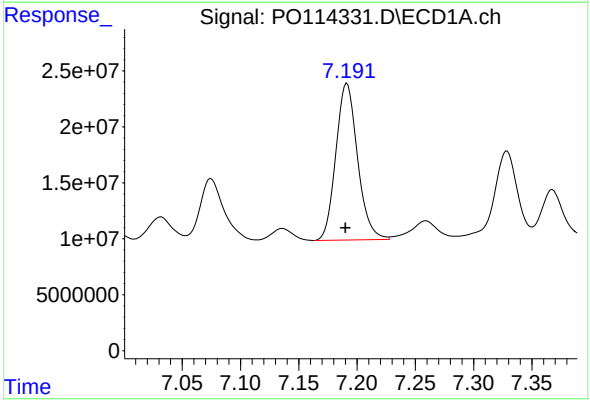
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 216076284
Conc: 736.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



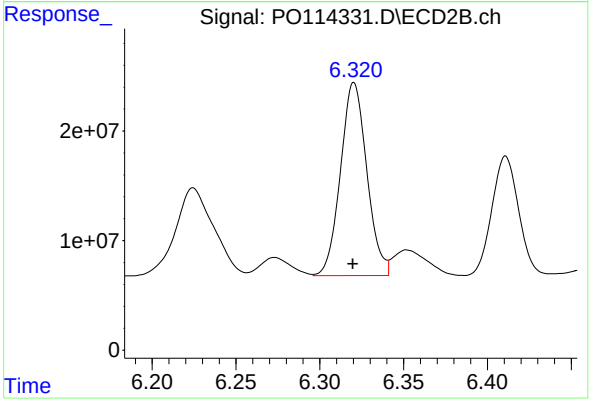
#28 AR-1254-3

R.T.: 6.093 min
Delta R.T.: 0.000 min
Response: 265462698
Conc: 724.83 ng/ml



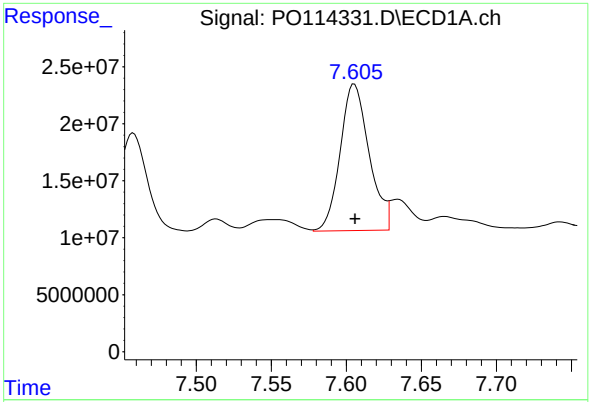
#29 AR-1254-4

R.T.: 7.191 min
Delta R.T.: 0.001 min
Response: 181345096
Conc: 730.32 ng/ml



#29 AR-1254-4

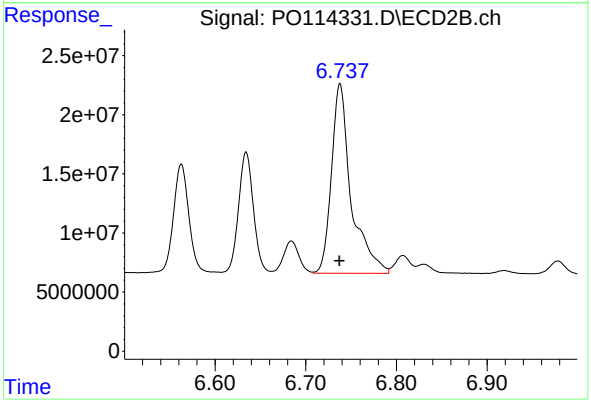
R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 192655826
Conc: 722.92 ng/ml



#30 AR-1254-5

R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 172536222
Conc: 744.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 241982023
Conc: 727.09 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:02
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:54:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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...	4.355	3.659	302.7E6	231.2E6	50.000	50.000
2)	SA Decachlor...	9.932	8.668	196.8E6	196.3E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.334	5.542	91163068	135.2E6	500.000	500.000
27)	L6 AR-1254-2	6.550	5.690	133.2E6	119.6E6	500.000	500.000
28)	L6 AR-1254-3	6.909	6.092	146.7E6	183.1E6	500.000	500.000
29)	L6 AR-1254-4	7.190	6.320	124.2E6	133.2E6	500.000	500.000
30)	L6 AR-1254-5	7.606	6.737	115.9E6	166.4E6	500.000	500.000

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

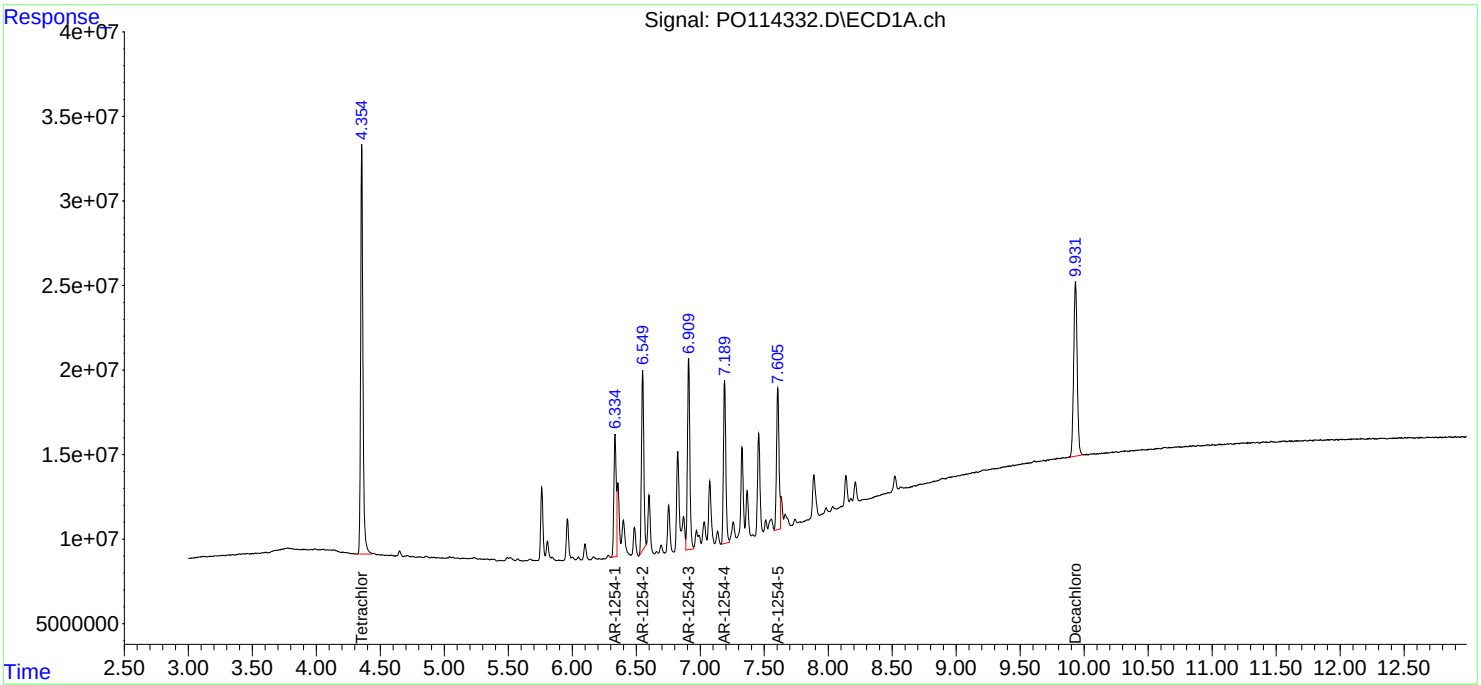
ICAL Form

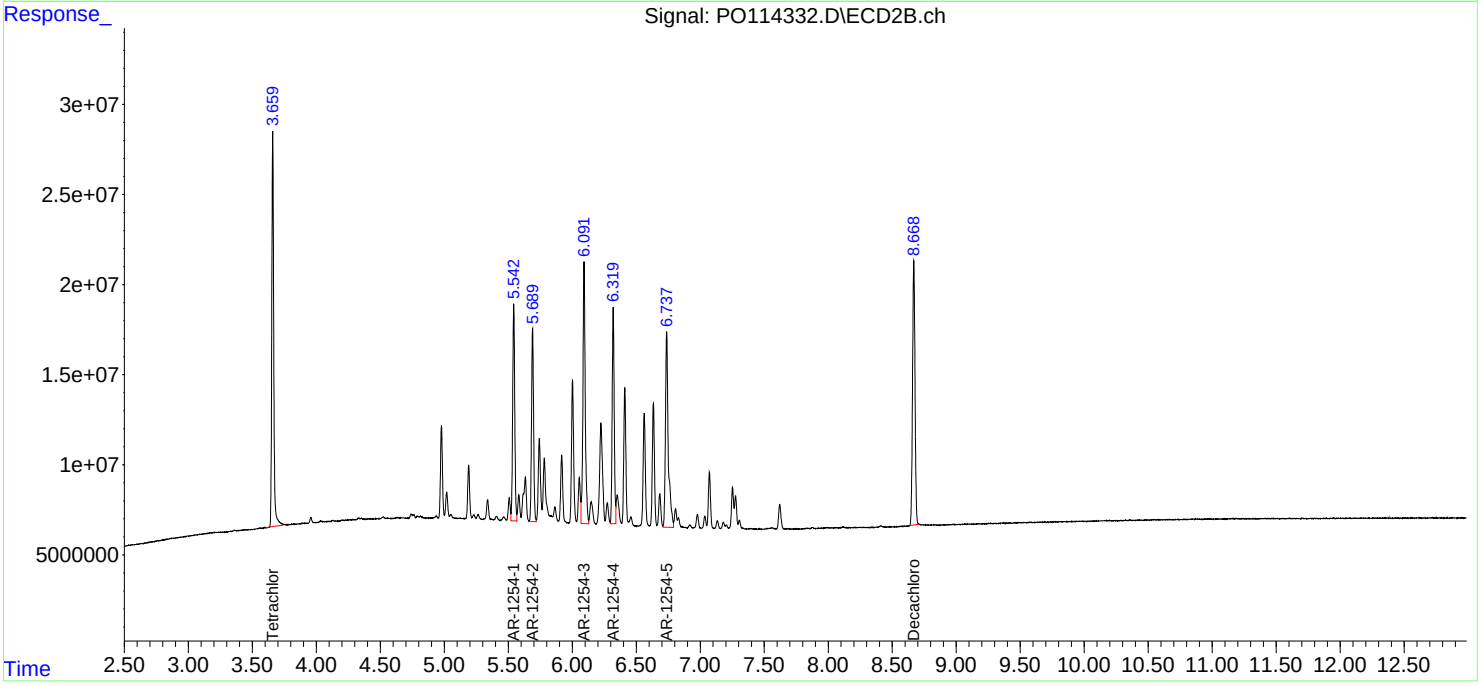
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:02
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

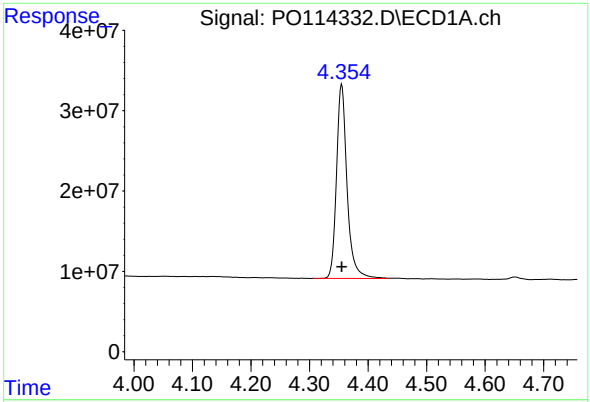
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:54:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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



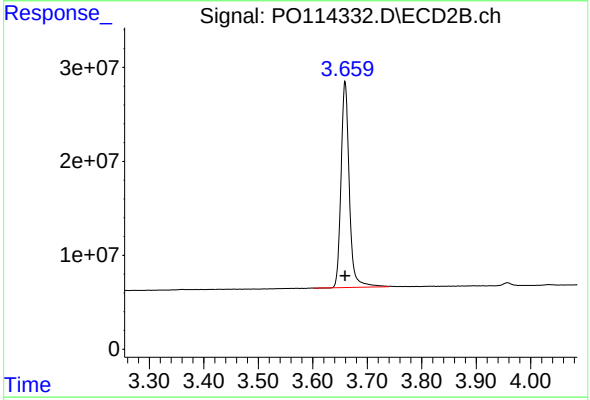




#1 Tetrachloro-m-xylene

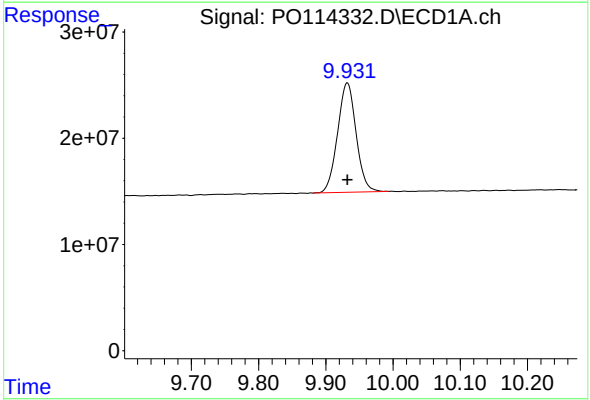
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 302674203
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



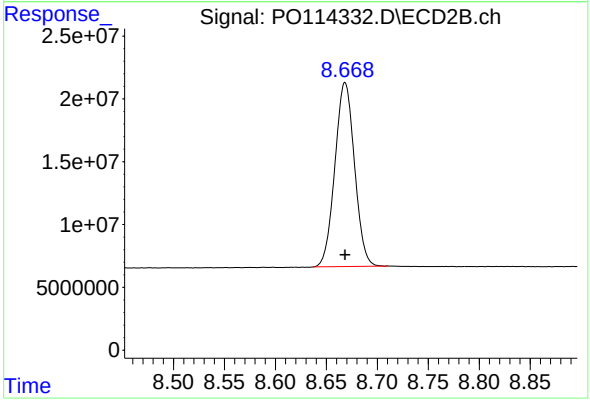
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 231222053
Conc: 50.00 ng/ml



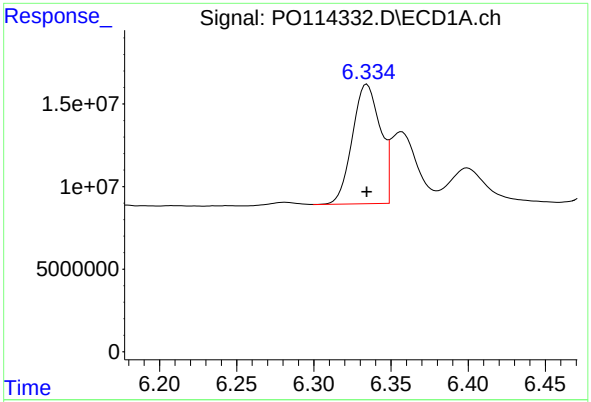
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 196846928
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

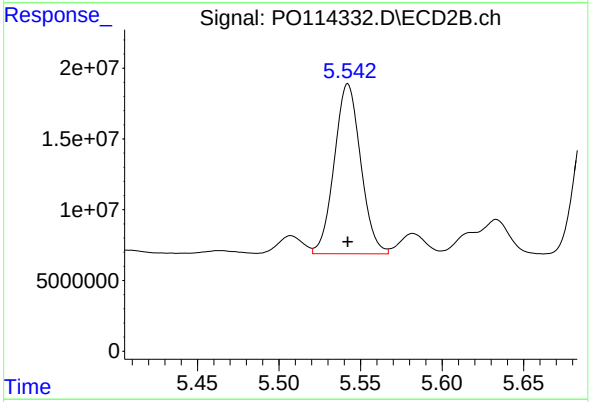
R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 196256460
Conc: 50.00 ng/ml



#26 AR-1254-1

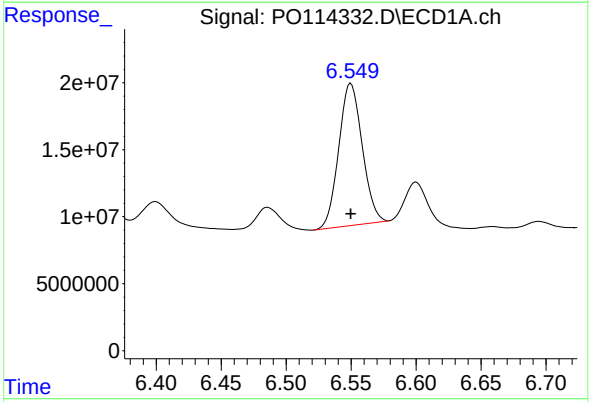
R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 91163068
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



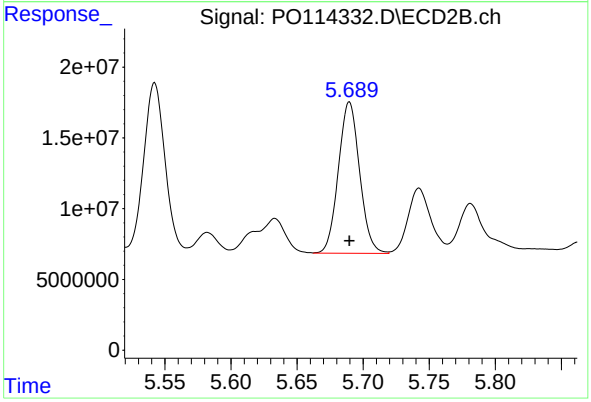
#26 AR-1254-1

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 135180504
Conc: 500.00 ng/ml



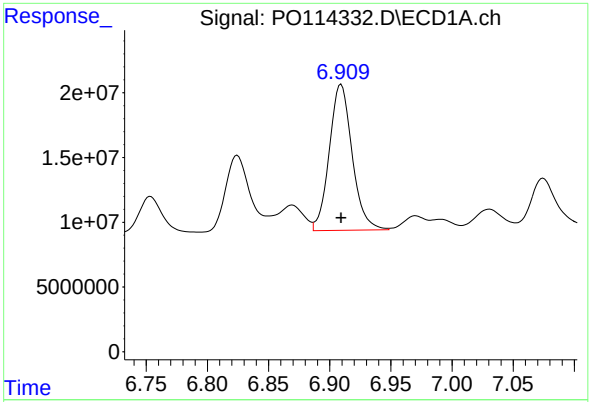
#27 AR-1254-2

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 133214296
Conc: 500.00 ng/ml



#27 AR-1254-2

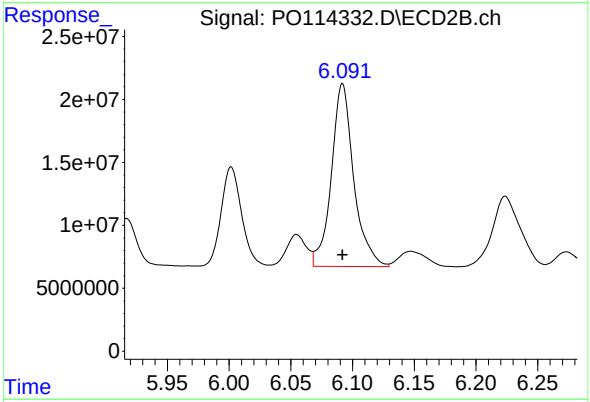
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 119624254
Conc: 500.00 ng/ml



#28 AR-1254-3

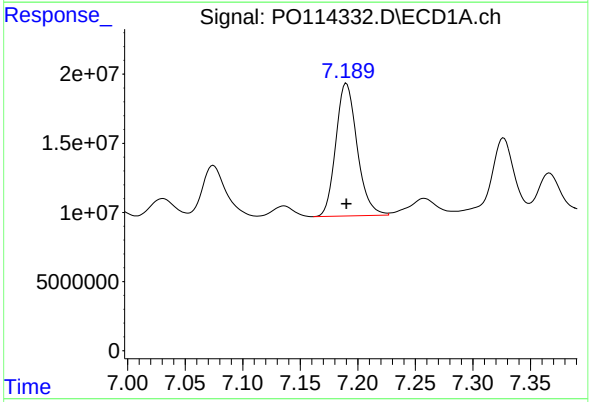
R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 146668522
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



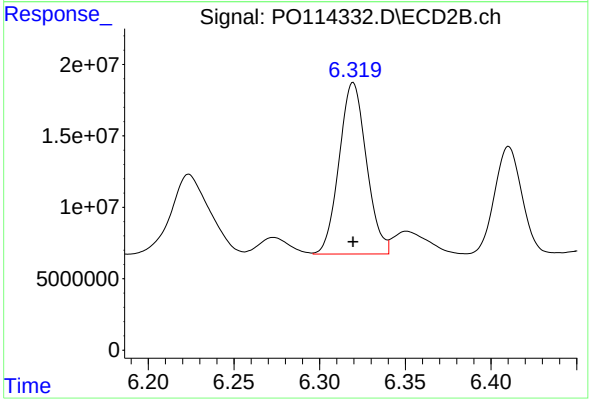
#28 AR-1254-3

R.T.: 6.092 min
Delta R.T.: 0.000 min
Response: 183121335
Conc: 500.00 ng/ml



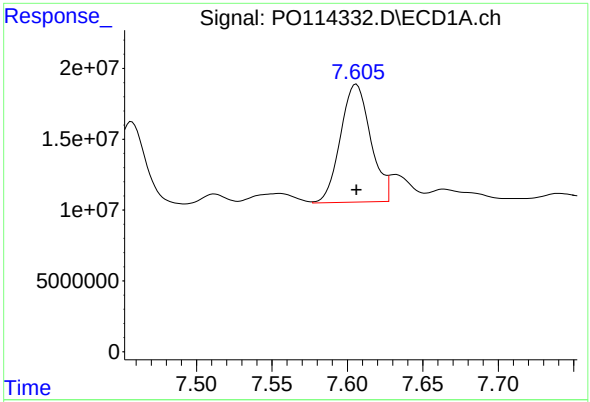
#29 AR-1254-4

R.T.: 7.190 min
Delta R.T.: 0.000 min
Response: 124155203
Conc: 500.00 ng/ml



#29 AR-1254-4

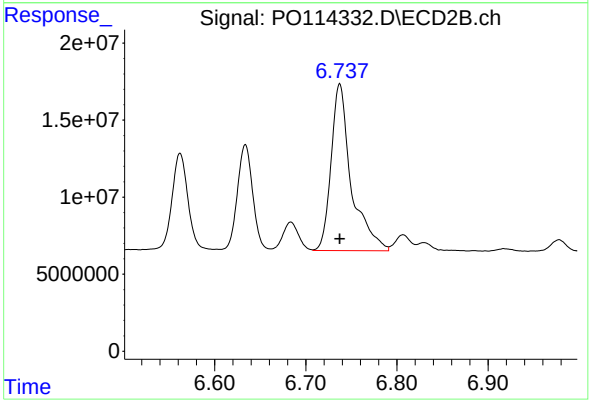
R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 133249170
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 115905284
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.737 min
Delta R.T.: 0.000 min
Response: 166403488
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:21
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:54:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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...	4.355	3.659	149.0E6	114.0E6	24.618	24.652
2)	SA Decachlor...	9.931	8.668	96523974	98728187	24.518	25.153
	Target Compounds						
26)	L6 AR-1254-1	6.335	5.542	44764883	69827362	245.521	258.275
27)	L6 AR-1254-2	6.550	5.689	65766617	62387770	246.845	260.766
28)	L6 AR-1254-3	6.909	6.092	73435388	92153622	250.345	251.619
29)	L6 AR-1254-4	7.191	6.320	60625008	66874748	244.150	250.939
30)	L6 AR-1254-5	7.606	6.737	56151918	82746779	242.232	248.633

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

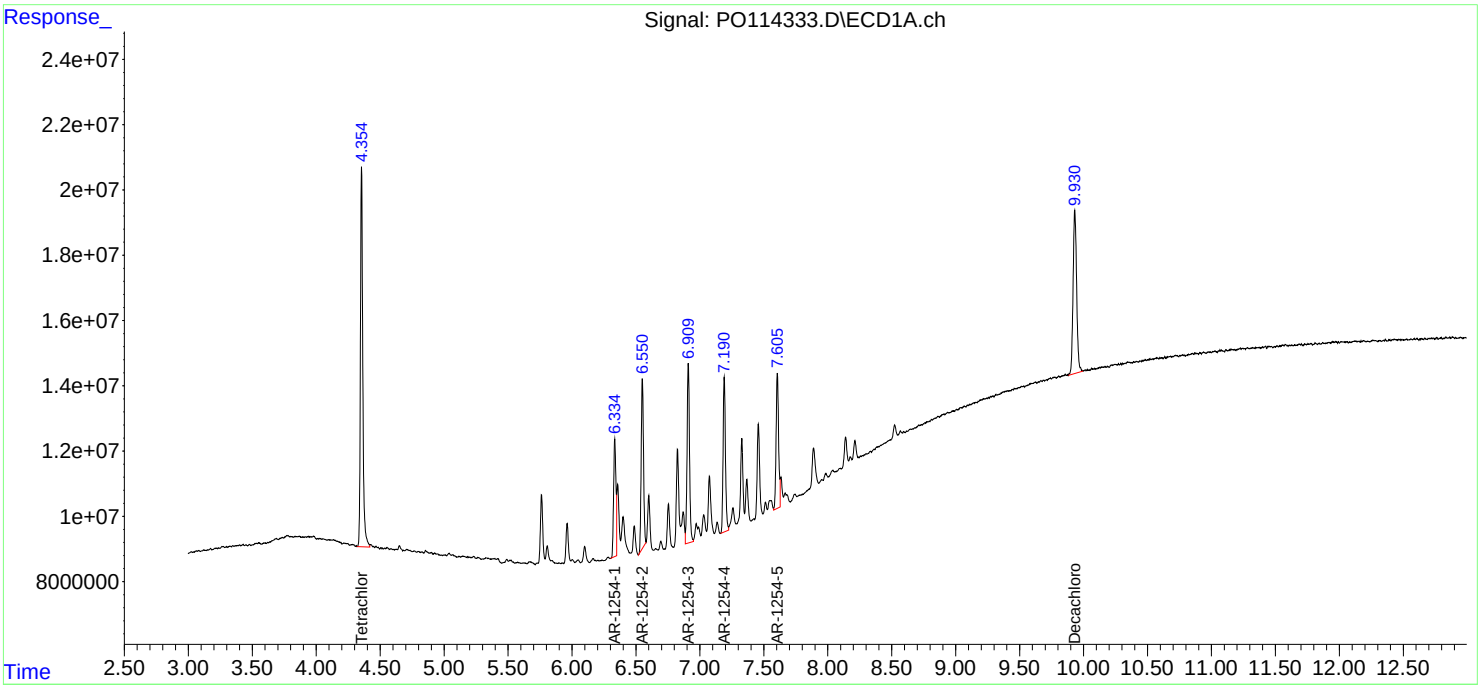
ICAL Form

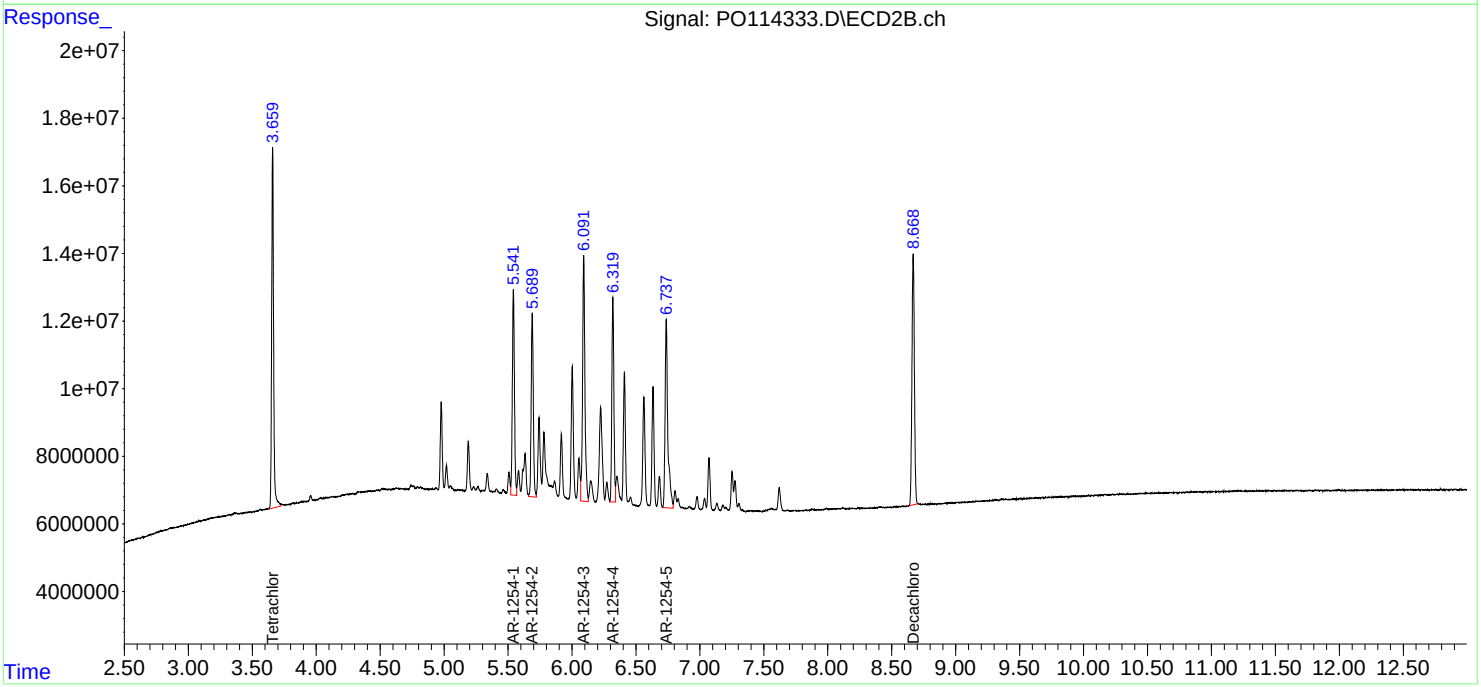
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:21
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

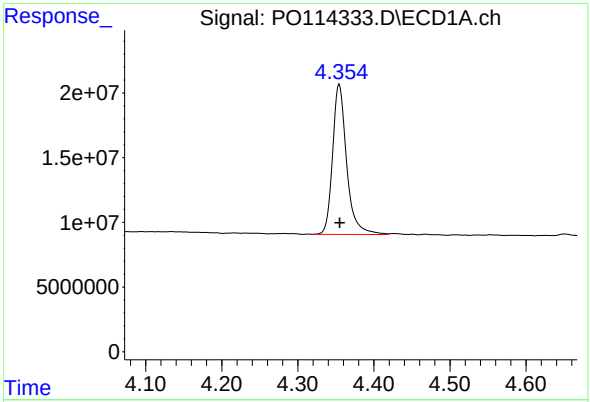
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:54:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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



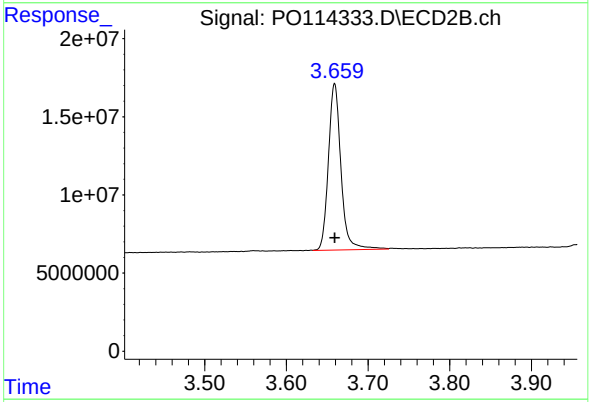




#1 Tetrachloro-m-xylene

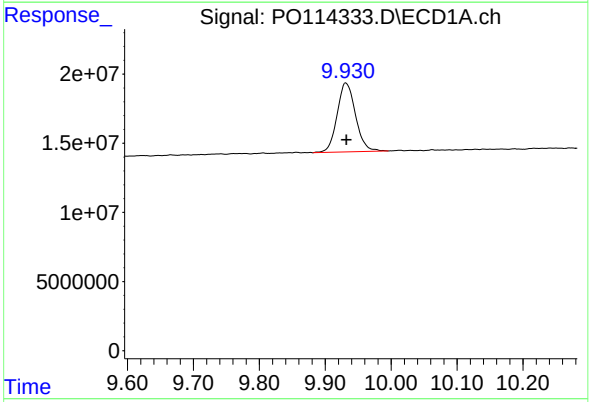
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 149022157
Conc: 24.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



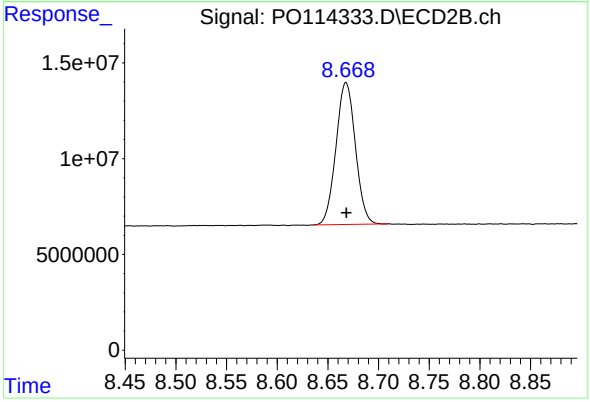
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 114003167
Conc: 24.65 ng/ml



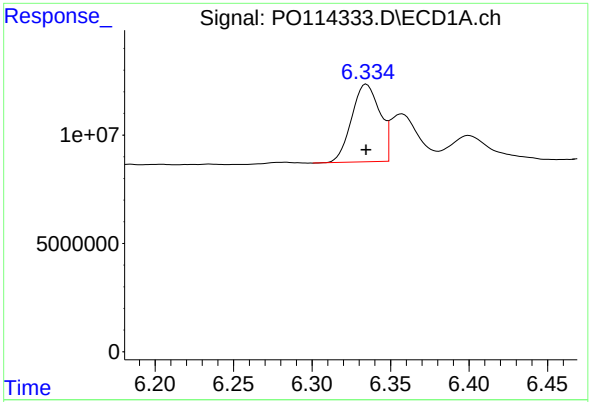
#2 Decachlorobiphenyl

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 96523974
Conc: 24.52 ng/ml



#2 Decachlorobiphenyl

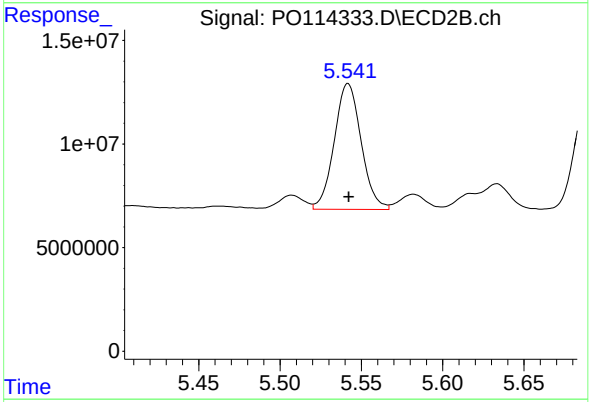
R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 98728187
Conc: 25.15 ng/ml



#26 AR-1254-1

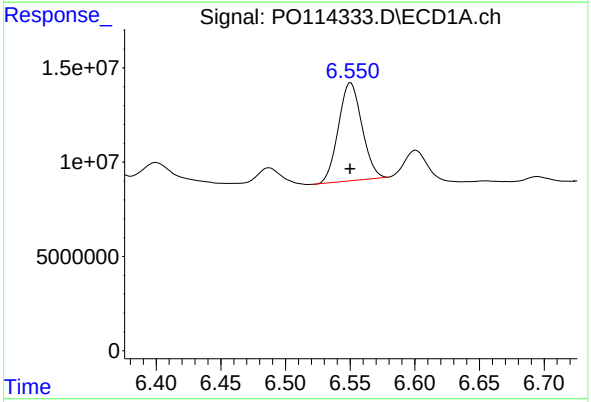
R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 44764883
Conc: 245.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



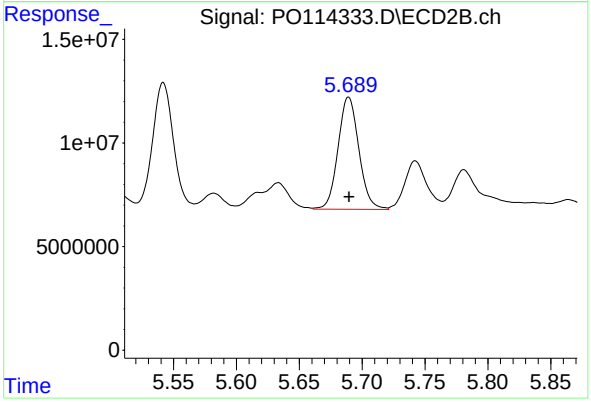
#26 AR-1254-1

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 69827362
Conc: 258.27 ng/ml



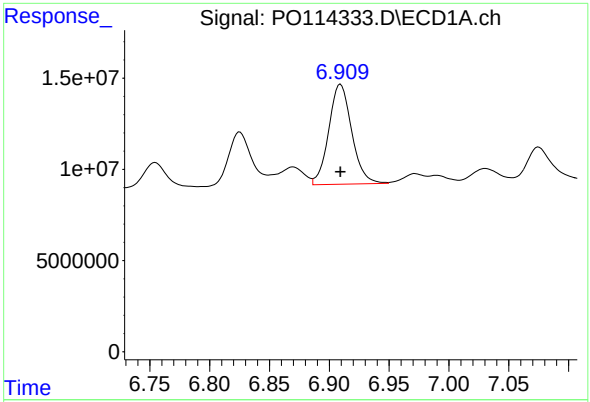
#27 AR-1254-2

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 65766617
Conc: 246.85 ng/ml



#27 AR-1254-2

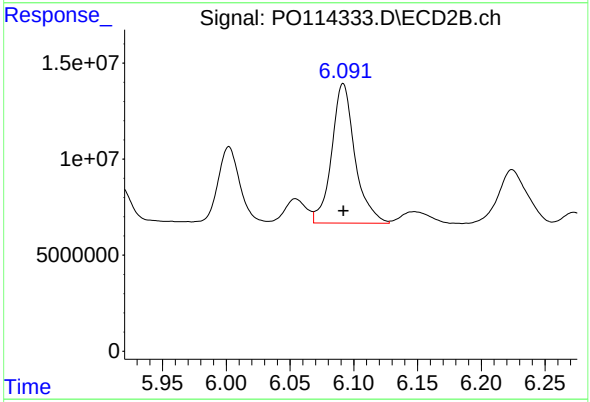
R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 62387770
Conc: 260.77 ng/ml



#28 AR-1254-3

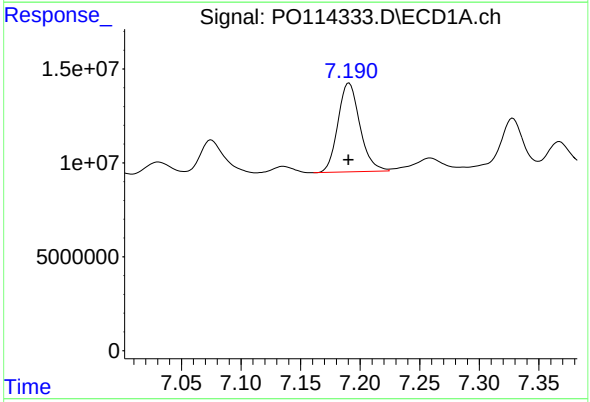
R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 73435388
Conc: 250.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



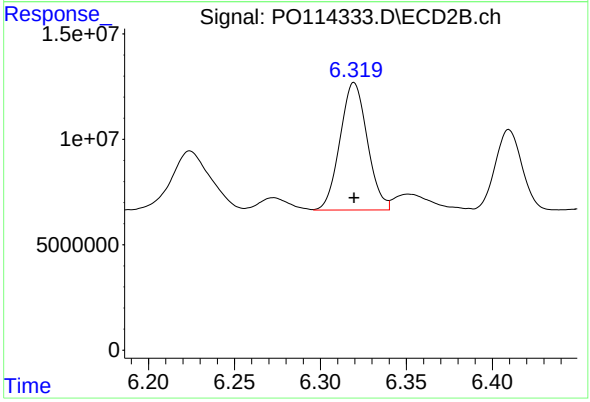
#28 AR-1254-3

R.T.: 6.092 min
Delta R.T.: 0.000 min
Response: 92153622
Conc: 251.62 ng/ml



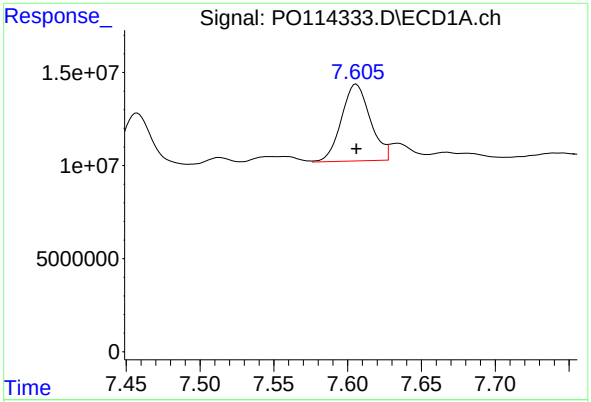
#29 AR-1254-4

R.T.: 7.191 min
Delta R.T.: 0.000 min
Response: 60625008
Conc: 244.15 ng/ml



#29 AR-1254-4

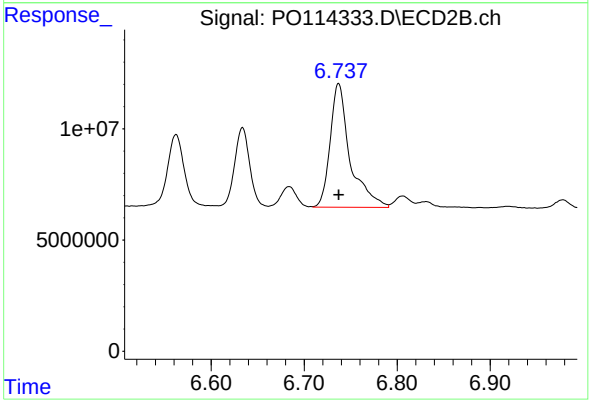
R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 66874748
Conc: 250.94 ng/ml



#30 AR-1254-5

R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 56151918
Conc: 242.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.737 min
Delta R.T.: 0.000 min
Response: 82746779
Conc: 248.63 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:39
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:55:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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...	4.356	3.659	26494210	20588649	4.377	4.452
2)	SA Decachlor...	9.932	8.667	17256664	18571929	4.383	4.732
	Target Compounds						
26)	L6 AR-1254-1	6.336	5.542	7937735	13626458	43.536	50.401
27)	L6 AR-1254-2	6.552	5.690	11913500	12711316	44.716	53.130
28)	L6 AR-1254-3	6.910	6.092	14527805	17155096	49.526	46.841
29)	L6 AR-1254-4	7.192	6.321	10910505	12675430	43.939	47.563
30)	L6 AR-1254-5	7.607	6.738	9494506	15263939	40.958	45.864

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

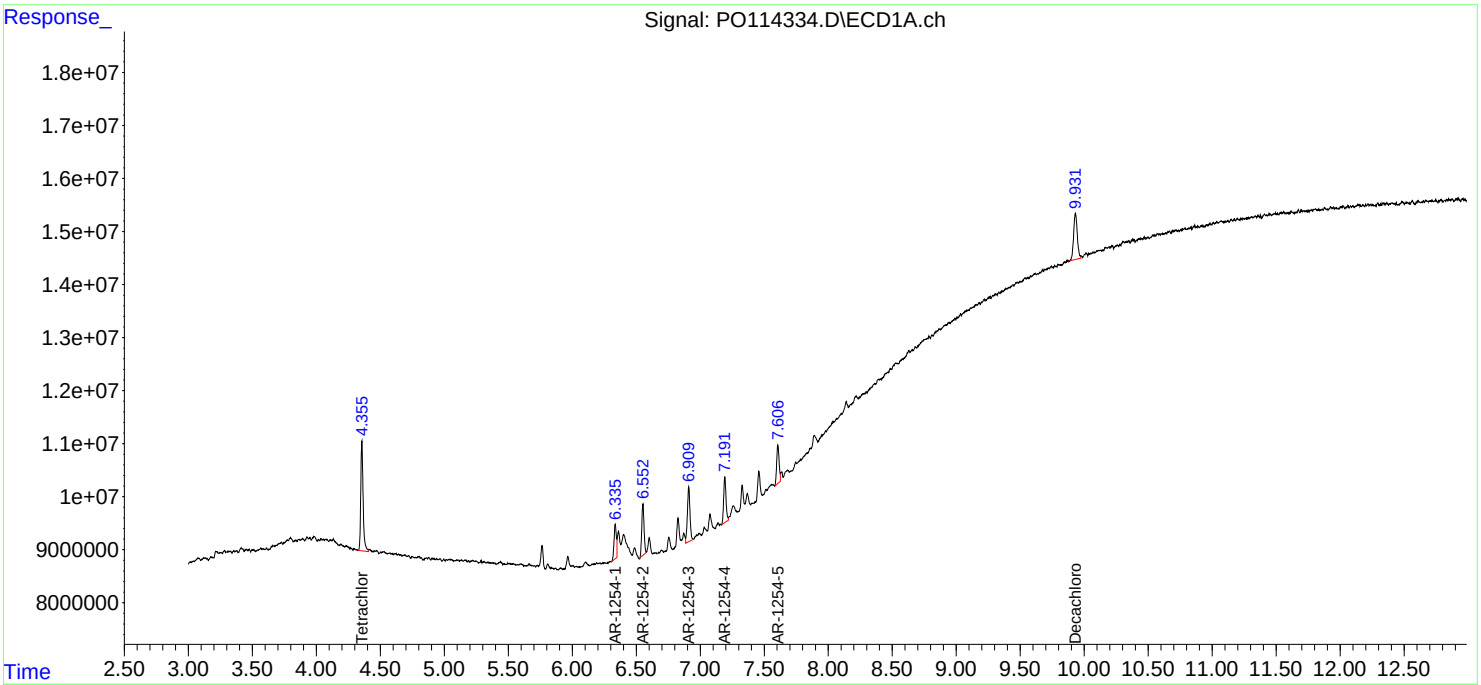
ICAL Form

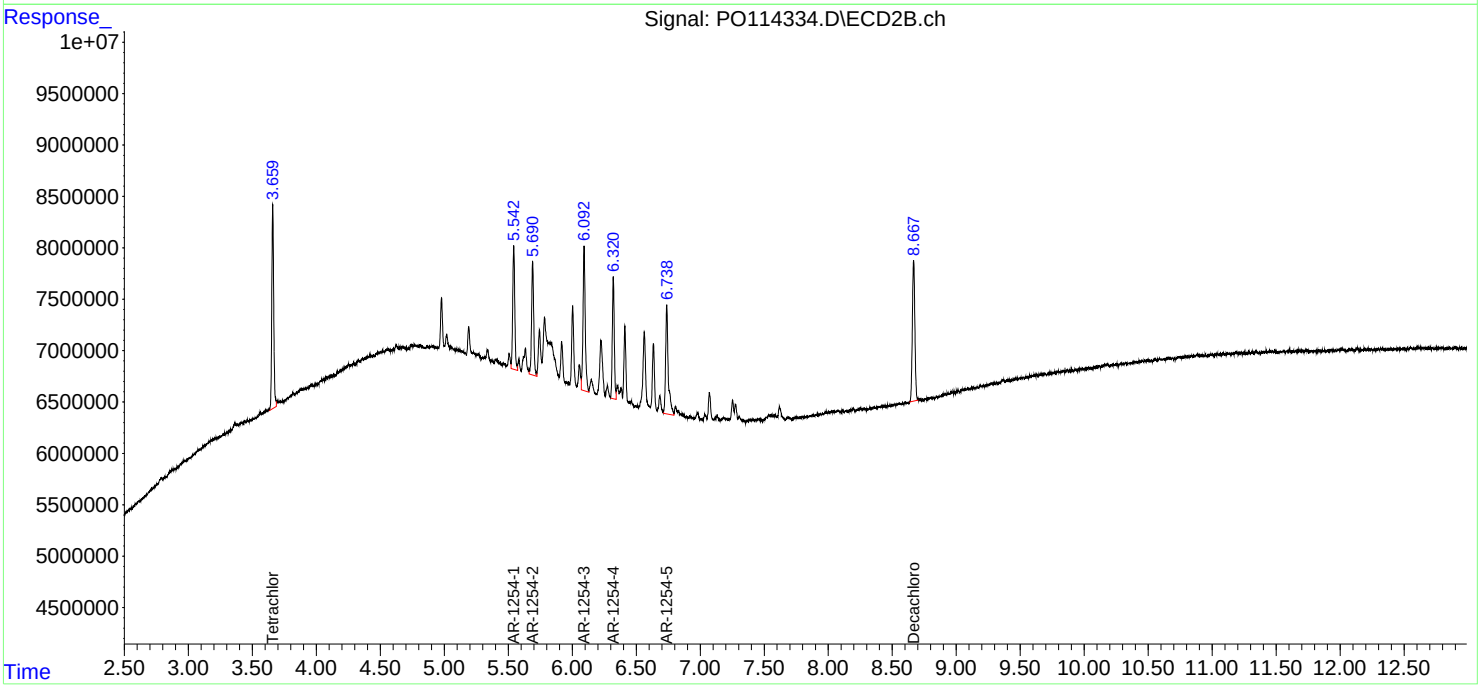
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:39
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

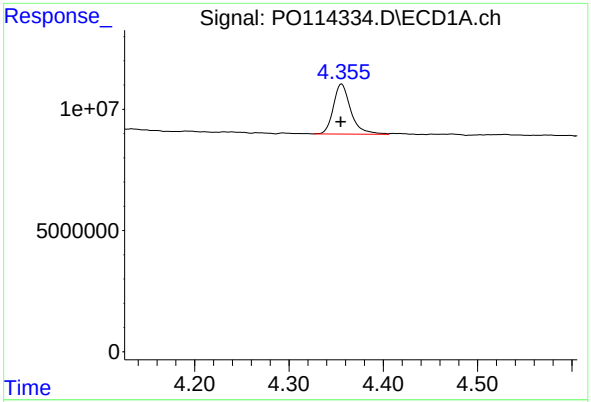
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 03:55:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 03:51:32 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



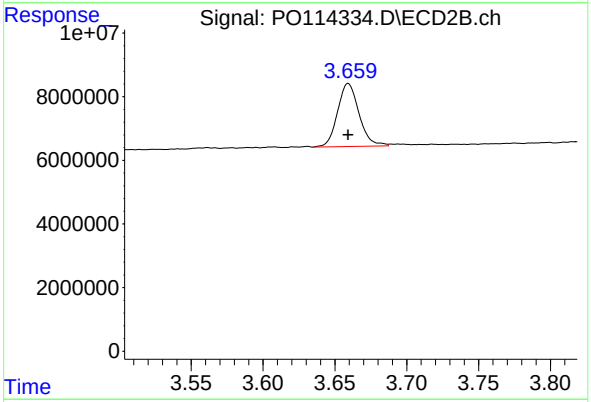




#1 Tetrachloro-m-xylene

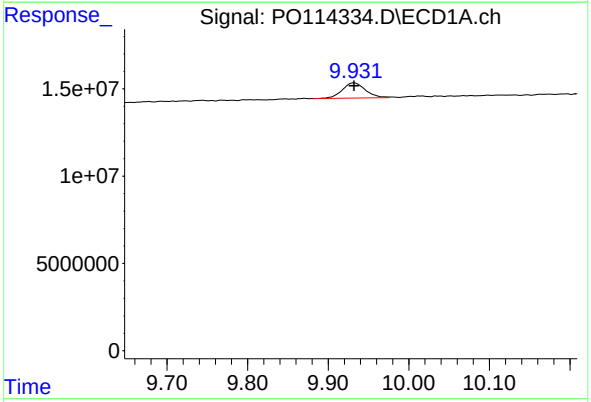
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 26494210
Conc: 4.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



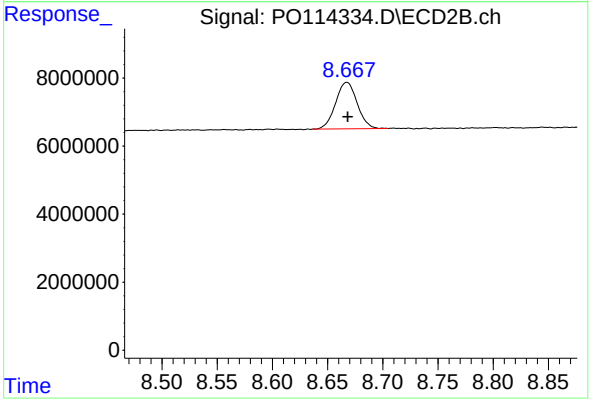
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 20588649
Conc: 4.45 ng/ml



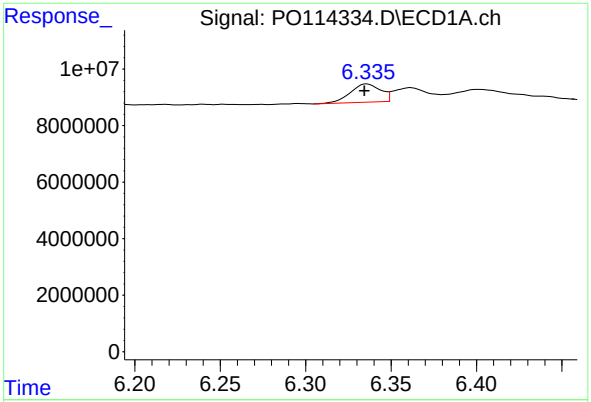
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 17256664
Conc: 4.38 ng/ml



#2 Decachlorobiphenyl

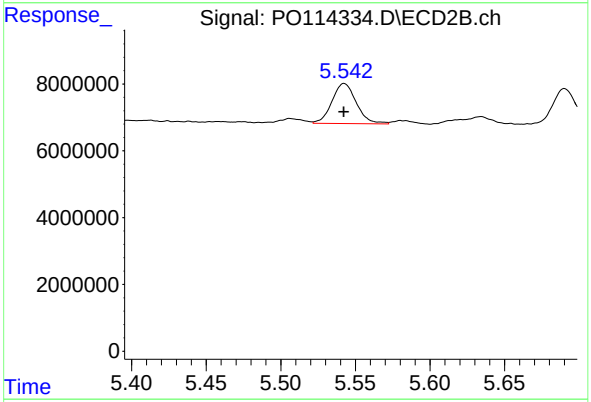
R.T.: 8.667 min
Delta R.T.: 0.000 min
Response: 18571929
Conc: 4.73 ng/ml



#26 AR-1254-1

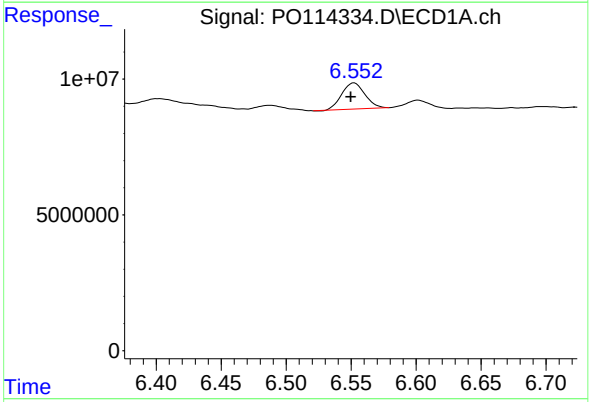
R.T.: 6.336 min
Delta R.T.: 0.001 min
Response: 7937735
Conc: 43.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



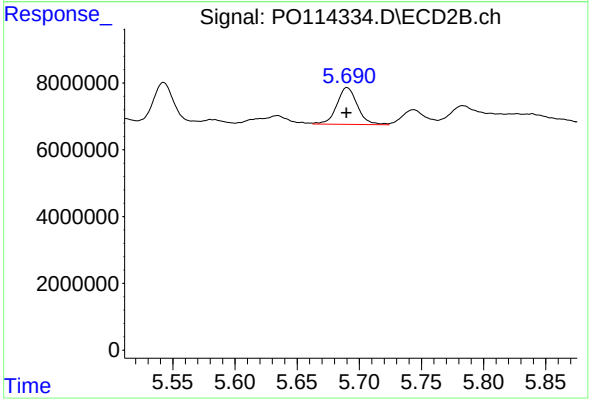
#26 AR-1254-1

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 13626458
Conc: 50.40 ng/ml



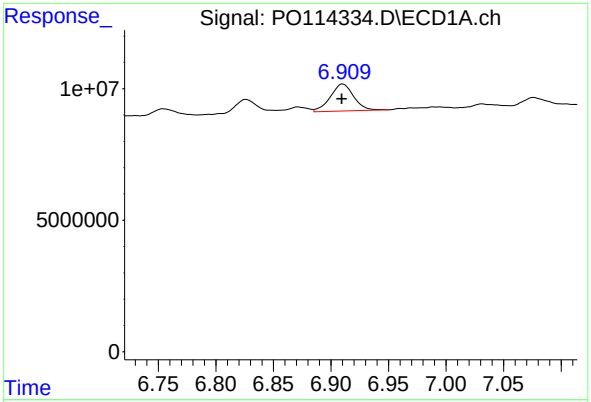
#27 AR-1254-2

R.T.: 6.552 min
Delta R.T.: 0.003 min
Response: 11913500
Conc: 44.72 ng/ml



#27 AR-1254-2

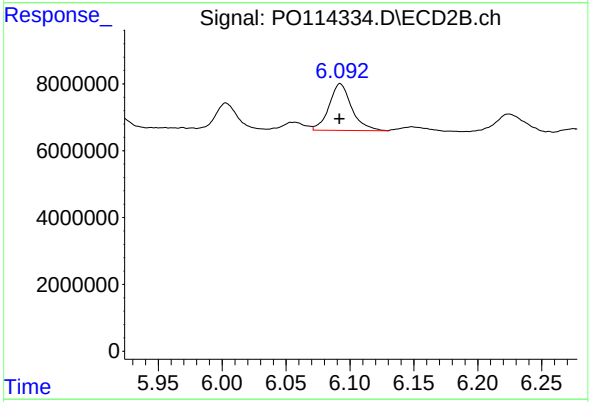
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 12711316
Conc: 53.13 ng/ml



#28 AR-1254-3

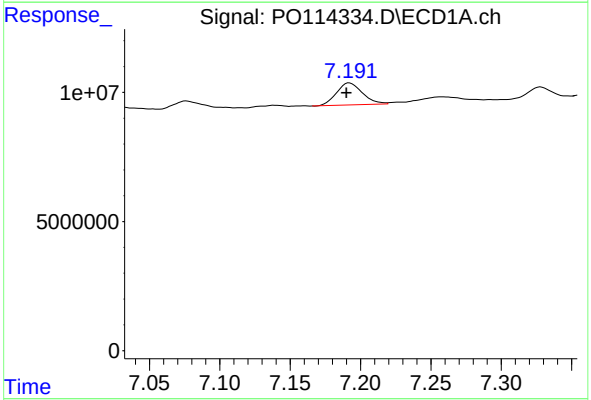
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 14527805
Conc: 49.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



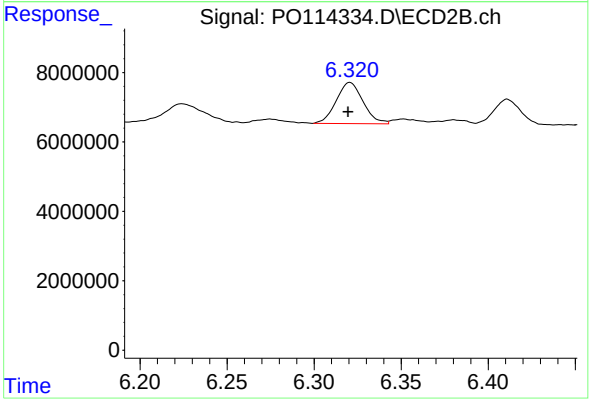
#28 AR-1254-3

R.T.: 6.092 min
Delta R.T.: 0.000 min
Response: 17155096
Conc: 46.84 ng/ml



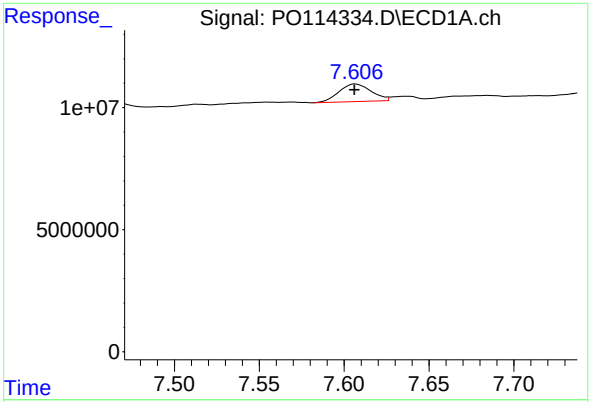
#29 AR-1254-4

R.T.: 7.192 min
Delta R.T.: 0.002 min
Response: 10910505
Conc: 43.94 ng/ml



#29 AR-1254-4

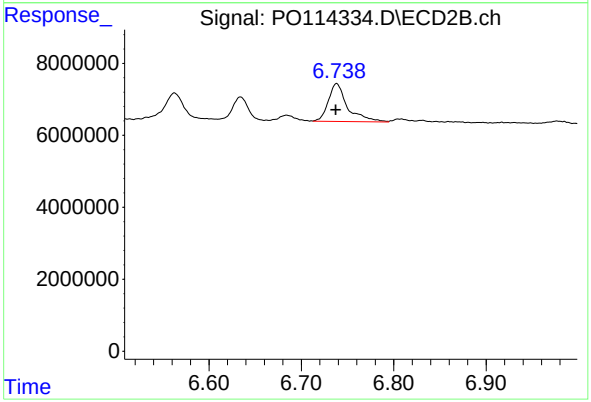
R.T.: 6.321 min
Delta R.T.: 0.001 min
Response: 12675430
Conc: 47.56 ng/ml



#30 AR-1254-5

R.T.: 7.607 min
Delta R.T.: 0.000 min
Response: 9494506
Conc: 40.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 15263939
Conc: 45.86 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:57
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:18:44 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...	4.355	3.660	305.7E6	229.9E6	50.000	50.000
2)	SA Decachlor...	9.933	8.669	195.1E6	197.4E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	7.686	6.779	182.6E6	212.8E6	500.000	500.000
37)	L8 AR-1262-2	8.213	7.277	302.3E6	336.7E6	500.000	500.000
38)	L8 AR-1262-3	8.516	7.563	182.7E6	138.4E6	500.000	500.000
39)	L8 AR-1262-4	8.599	7.625	131.8E6	228.3E6	500.000	500.000
40)	L8 AR-1262-5	9.217	8.118	107.4E6	105.4E6	500.000	500.000

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

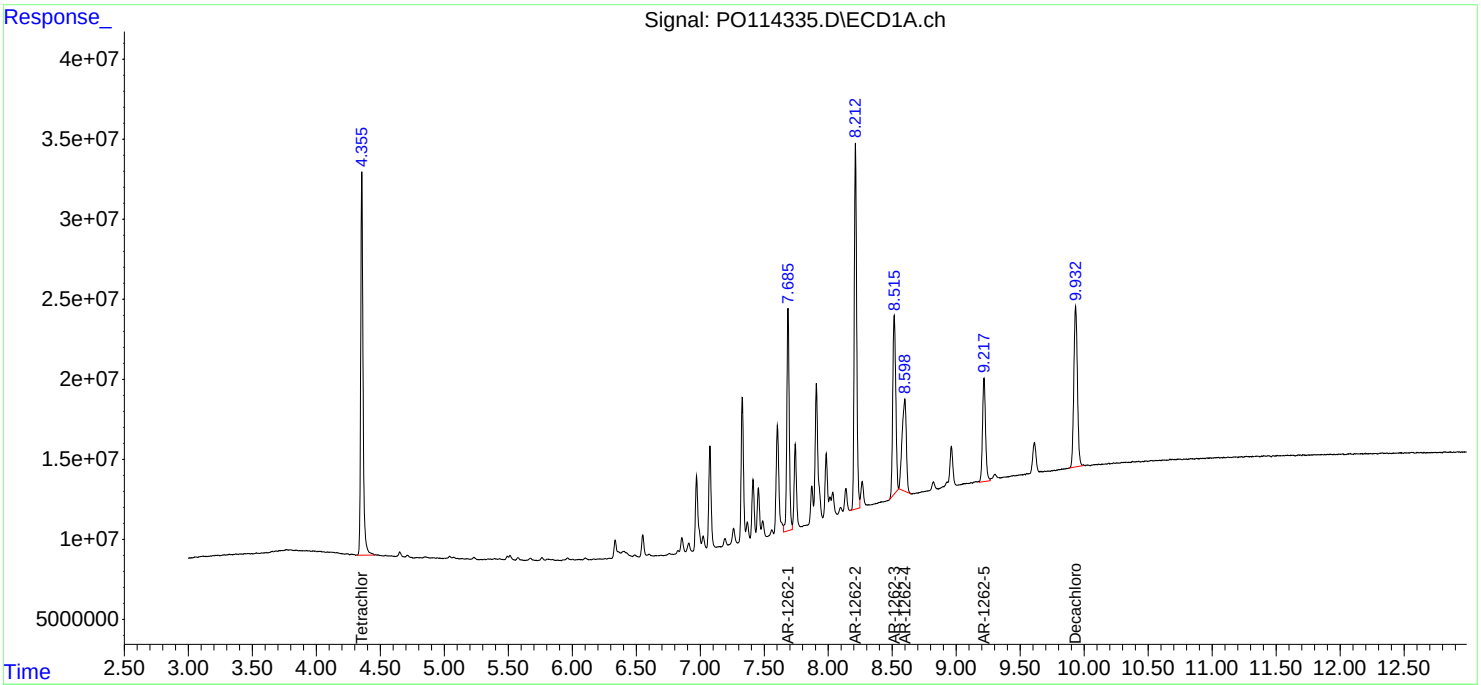
ICAL Form

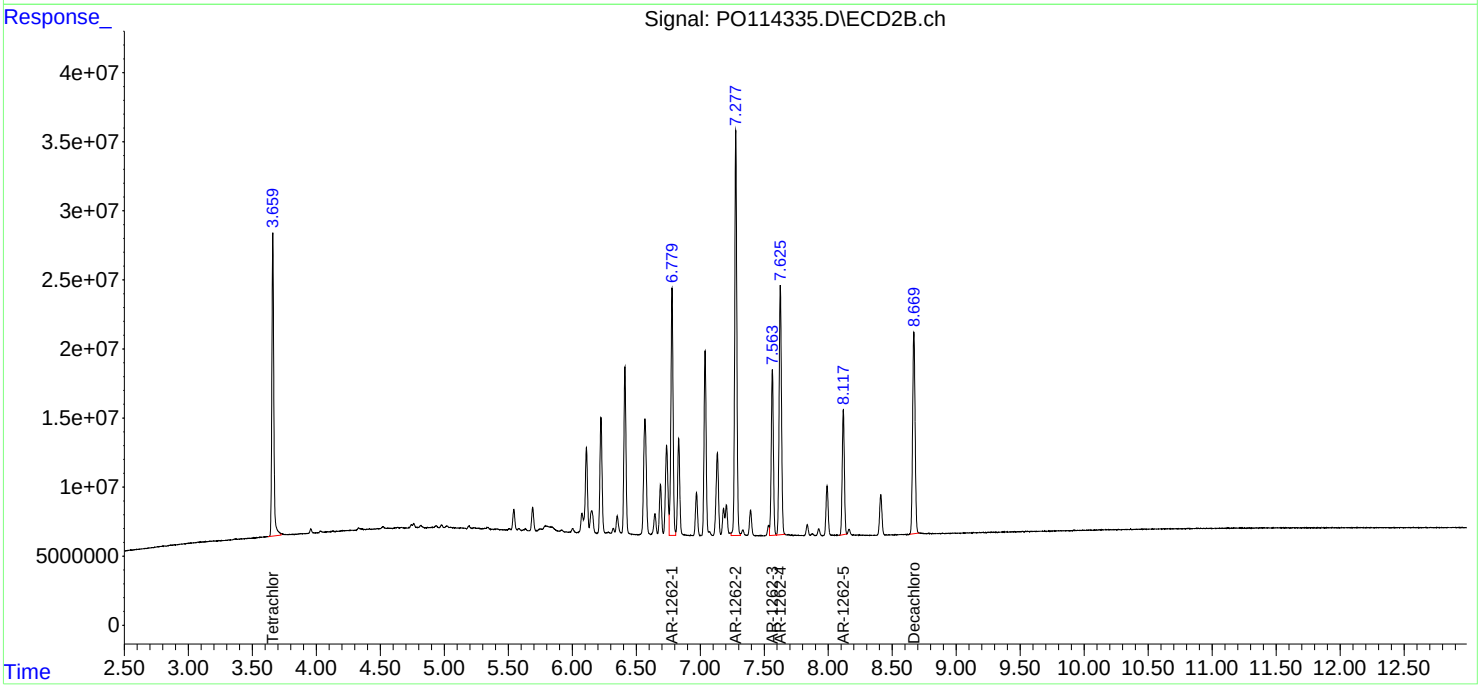
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 20:57
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

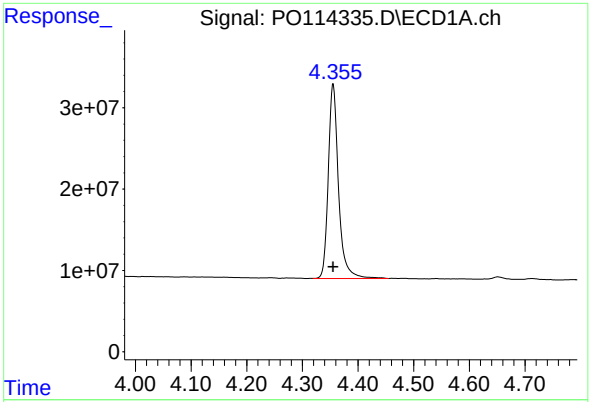
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:18:44 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



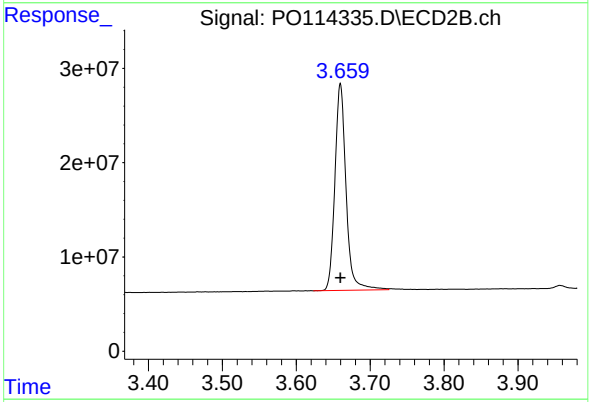




#1 Tetrachloro-m-xylene

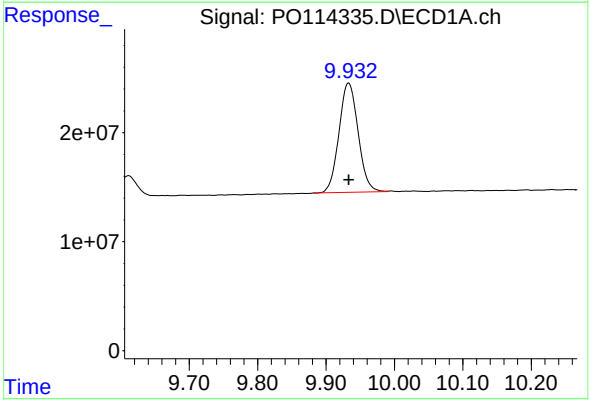
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 305663090
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



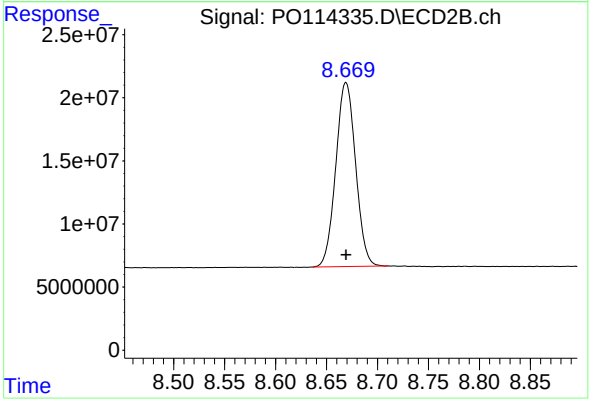
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 229886887
Conc: 50.00 ng/ml



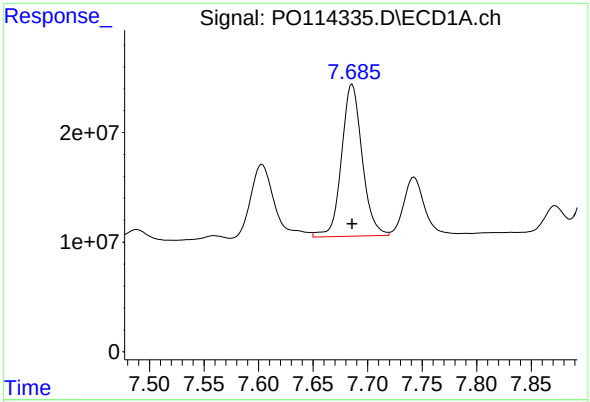
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 195085973
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

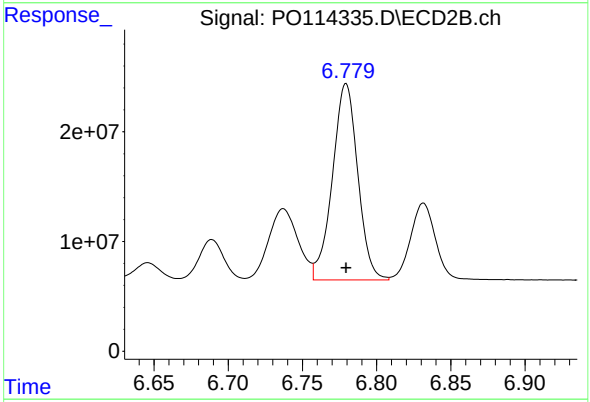
R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 197436445
Conc: 50.00 ng/ml



#36 AR-1262-1

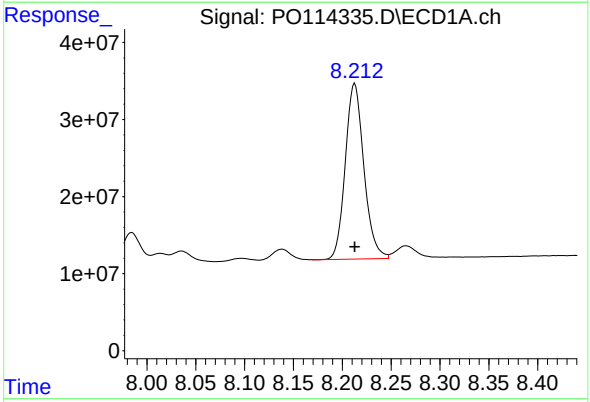
R.T.: 7.686 min
Delta R.T.: 0.000 min
Response: 182605667
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



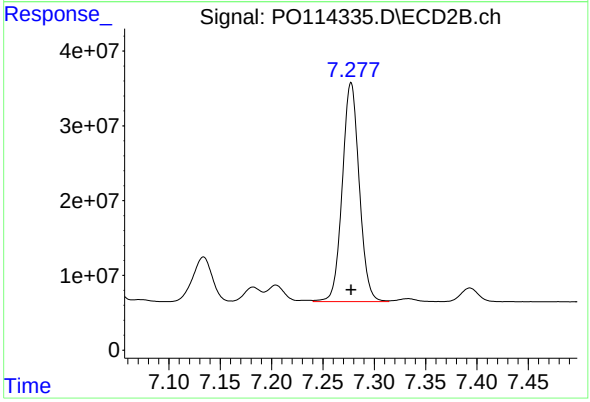
#36 AR-1262-1

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 212827240
Conc: 500.00 ng/ml



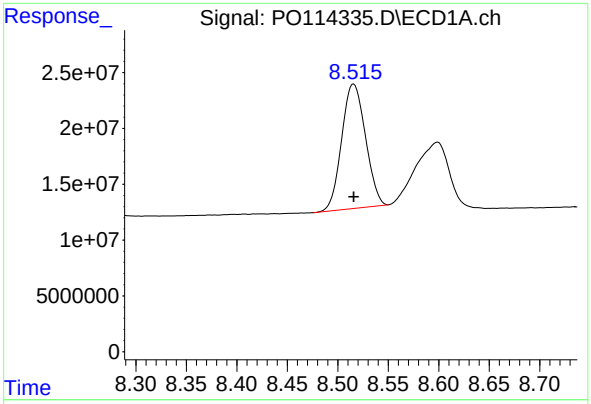
#37 AR-1262-2

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 302341175
Conc: 500.00 ng/ml



#37 AR-1262-2

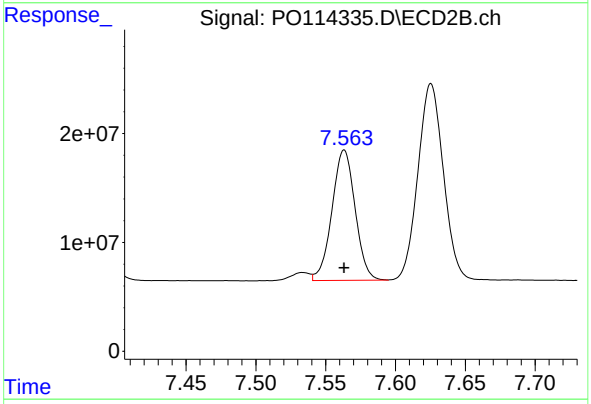
R.T.: 7.277 min
Delta R.T.: 0.000 min
Response: 336739178
Conc: 500.00 ng/ml



#38 AR-1262-3

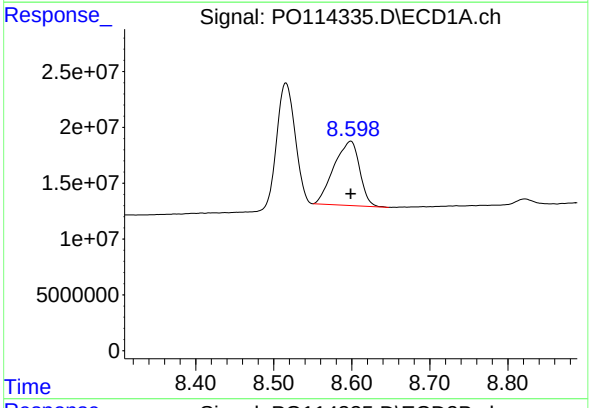
R.T.: 8.516 min
Delta R.T.: 0.000 min
Response: 182723850
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



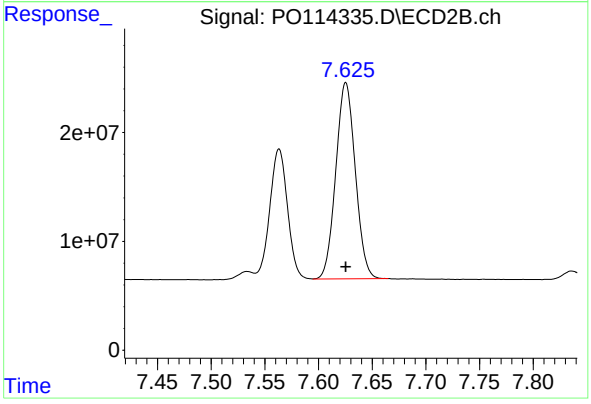
#38 AR-1262-3

R.T.: 7.563 min
Delta R.T.: 0.000 min
Response: 138444152
Conc: 500.00 ng/ml



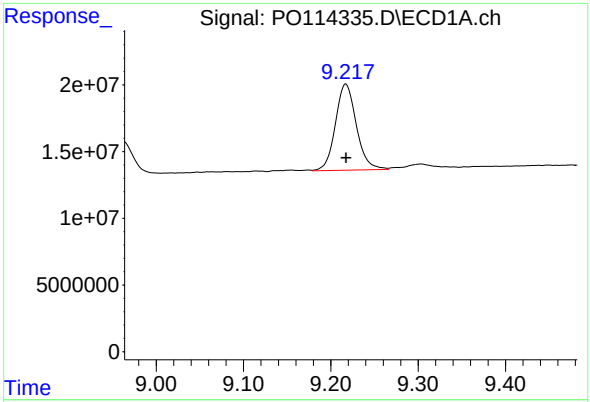
#39 AR-1262-4

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 131806763
Conc: 500.00 ng/ml



#39 AR-1262-4

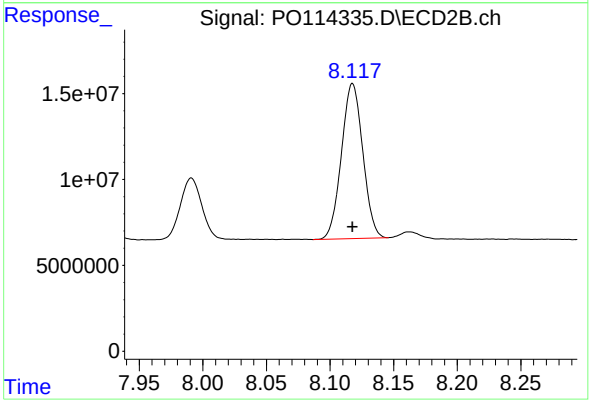
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 228265169
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 107426846
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.118 min
Delta R.T.: 0.000 min
Response: 105389697
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 21:16
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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...	4.355	3.660	613.2E6	464.3E6	96.993	96.886
2)	SA Decachlor...	9.932	8.669	712.4E6	677.1E6	97.822	94.587
	Target Compounds						
41)	L9 AR-1268-1	8.512	7.563	742.6E6	790.8E6	983.553	960.399
42)	L9 AR-1268-2	8.601	7.626	632.4E6	668.4E6	986.777	959.839
43)	L9 AR-1268-3	8.822	7.837	576.6E6	577.7E6	983.114	962.697
44)	L9 AR-1268-4	9.216	8.117	239.2E6	233.3E6	965.595	954.970
45)	L9 AR-1268-5	9.609	8.410	1713.5E6	1599.9E6	985.974	967.315

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

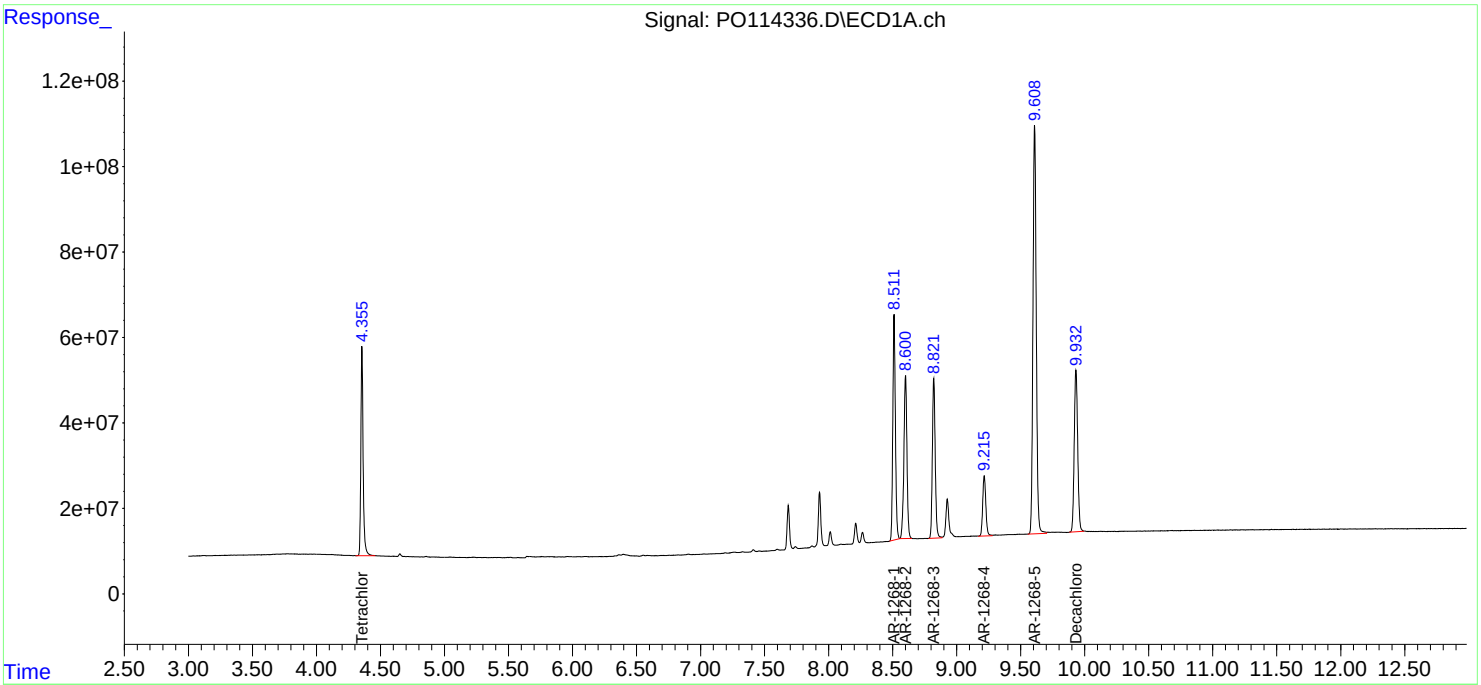
ICAL Form

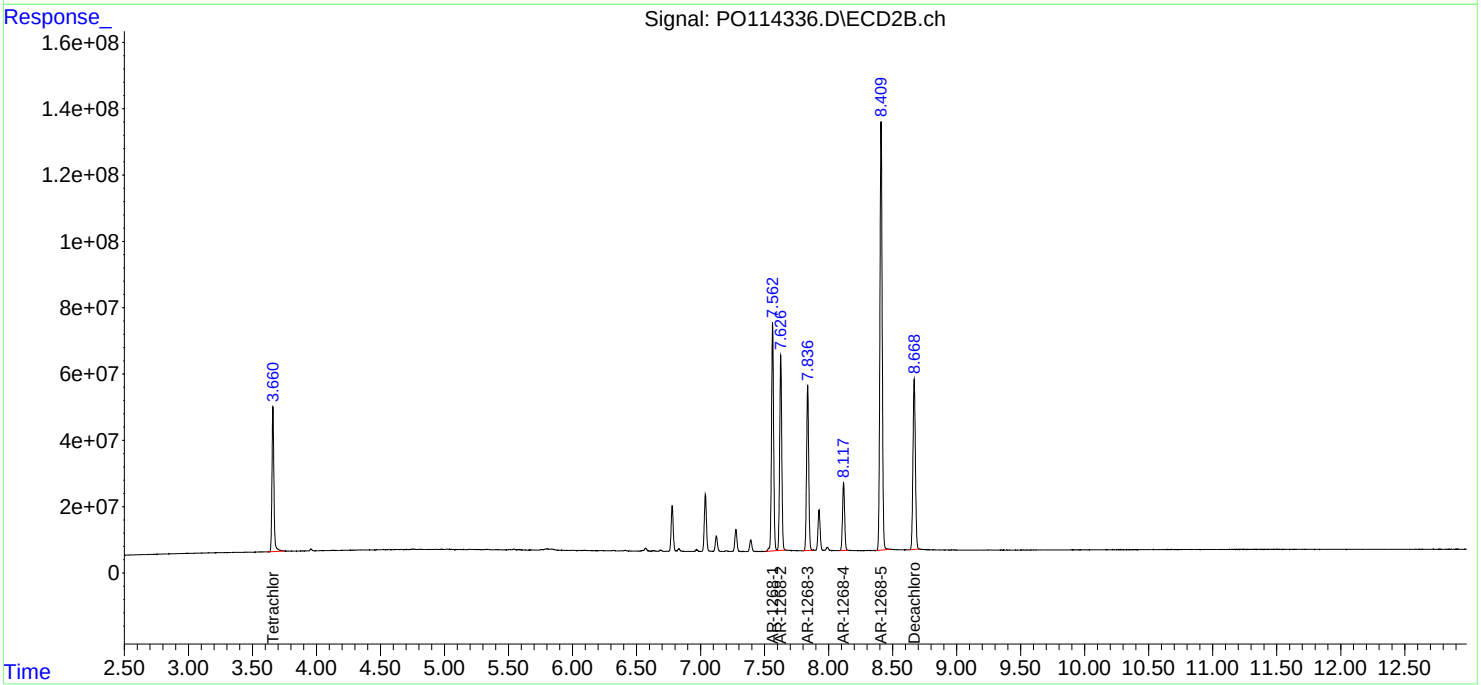
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 21:16
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

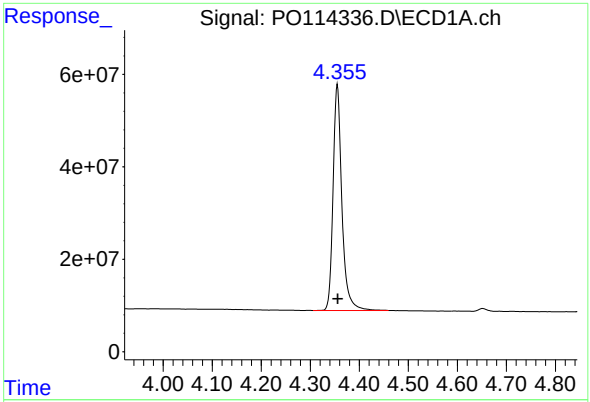
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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



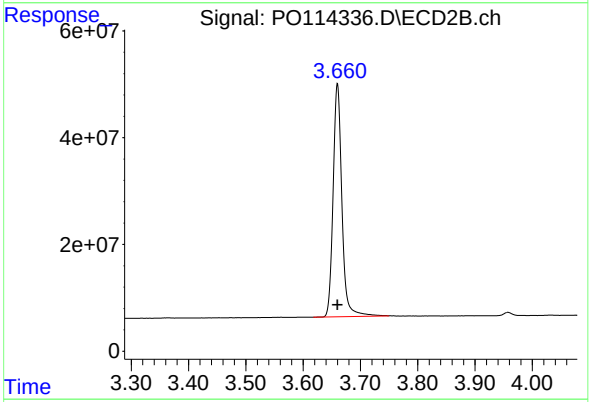




#1 Tetrachloro-m-xylene

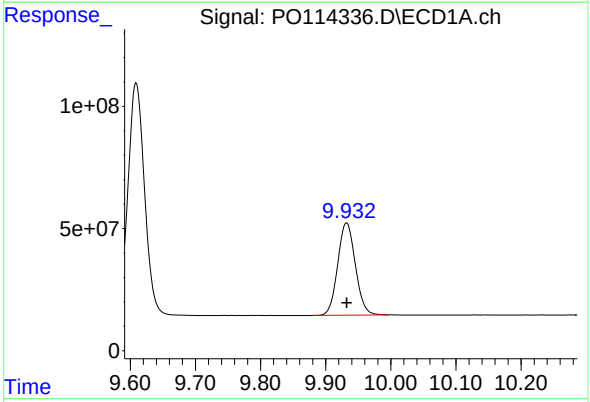
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 613167788
Conc: 96.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



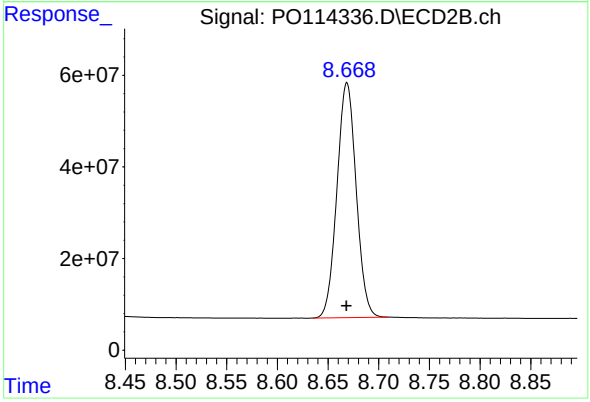
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 464339564
Conc: 96.89 ng/ml



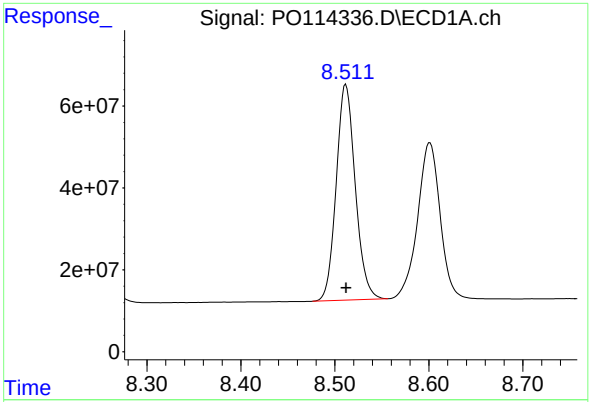
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 712425378
Conc: 97.82 ng/ml



#2 Decachlorobiphenyl

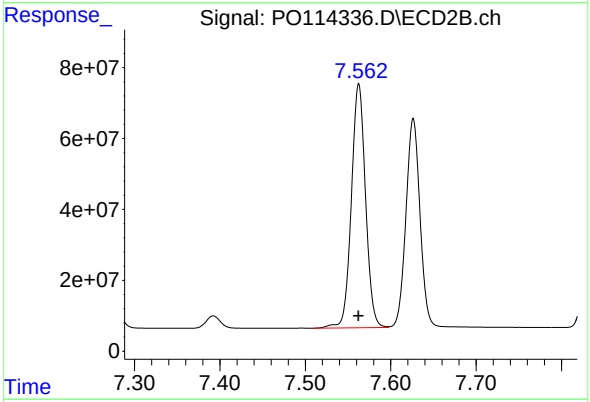
R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 677067571
Conc: 94.59 ng/ml



#41 AR-1268-1

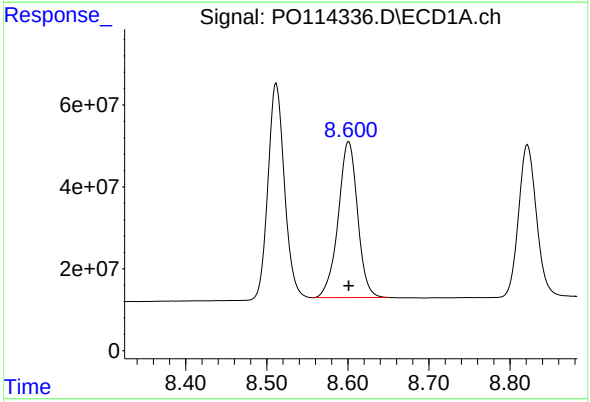
R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 742630944
Conc: 983.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



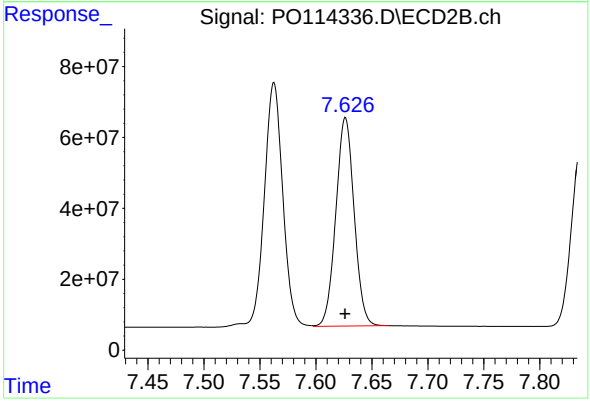
#41 AR-1268-1

R.T.: 7.563 min
Delta R.T.: 0.000 min
Response: 790806319
Conc: 960.40 ng/ml



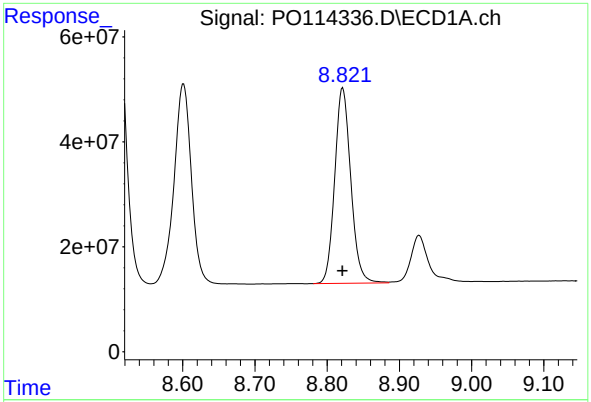
#42 AR-1268-2

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 632443459
Conc: 986.78 ng/ml



#42 AR-1268-2

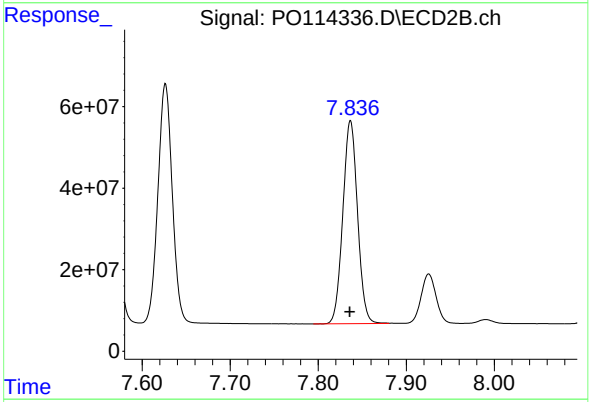
R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 668389064
Conc: 959.84 ng/ml



#43 AR-1268-3

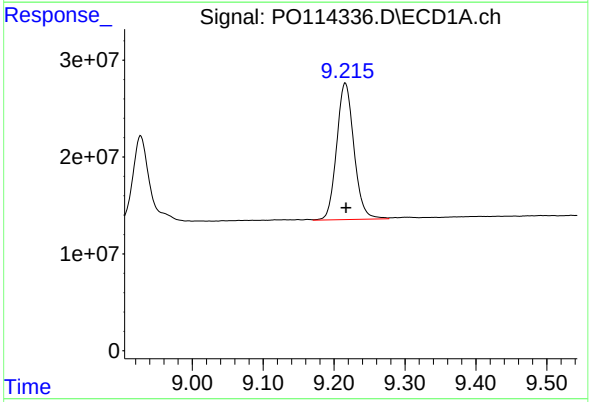
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 576556870
Conc: 983.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



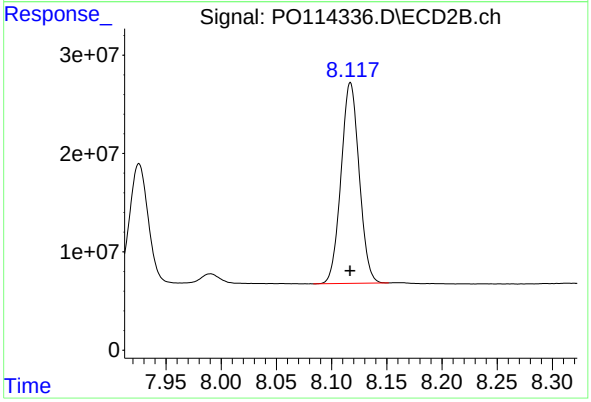
#43 AR-1268-3

R.T.: 7.837 min
Delta R.T.: 0.001 min
Response: 577681654
Conc: 962.70 ng/ml



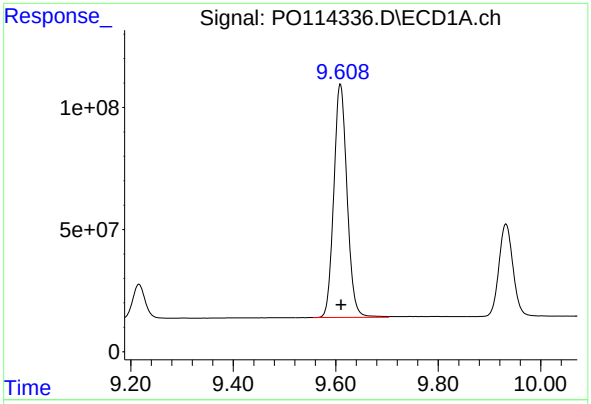
#44 AR-1268-4

R.T.: 9.216 min
Delta R.T.: 0.000 min
Response: 239235256
Conc: 965.59 ng/ml



#44 AR-1268-4

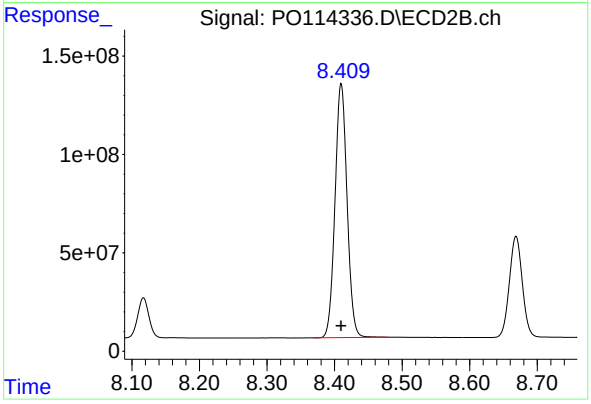
R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 233329938
Conc: 954.97 ng/ml



#45 AR-1268-5

R.T.: 9.609 min
Delta R.T.: -0.001 min
Response: 1713485078
Conc: 985.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.410 min
Delta R.T.: 0.000 min
Response: 1599907631
Conc: 967.31 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 21:34
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:41:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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...	4.355	3.659	475.4E6	359.5E6	75.200	75.015
2)	SA Decachlor...	9.933	8.667	551.6E6	530.5E6	75.744	74.106
	Target Compounds						
41)	L9 AR-1268-1	8.512	7.562	572.3E6	615.5E6	757.945	747.503
42)	L9 AR-1268-2	8.599	7.625	487.6E6	520.3E6	760.791	747.145
43)	L9 AR-1268-3	8.822	7.836	445.2E6	448.9E6	759.094	748.007
44)	L9 AR-1268-4	9.216	8.116	186.5E6	182.3E6	752.709	746.142
45)	L9 AR-1268-5	9.610	8.409	1321.2E6	1240.0E6	760.228	749.718

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

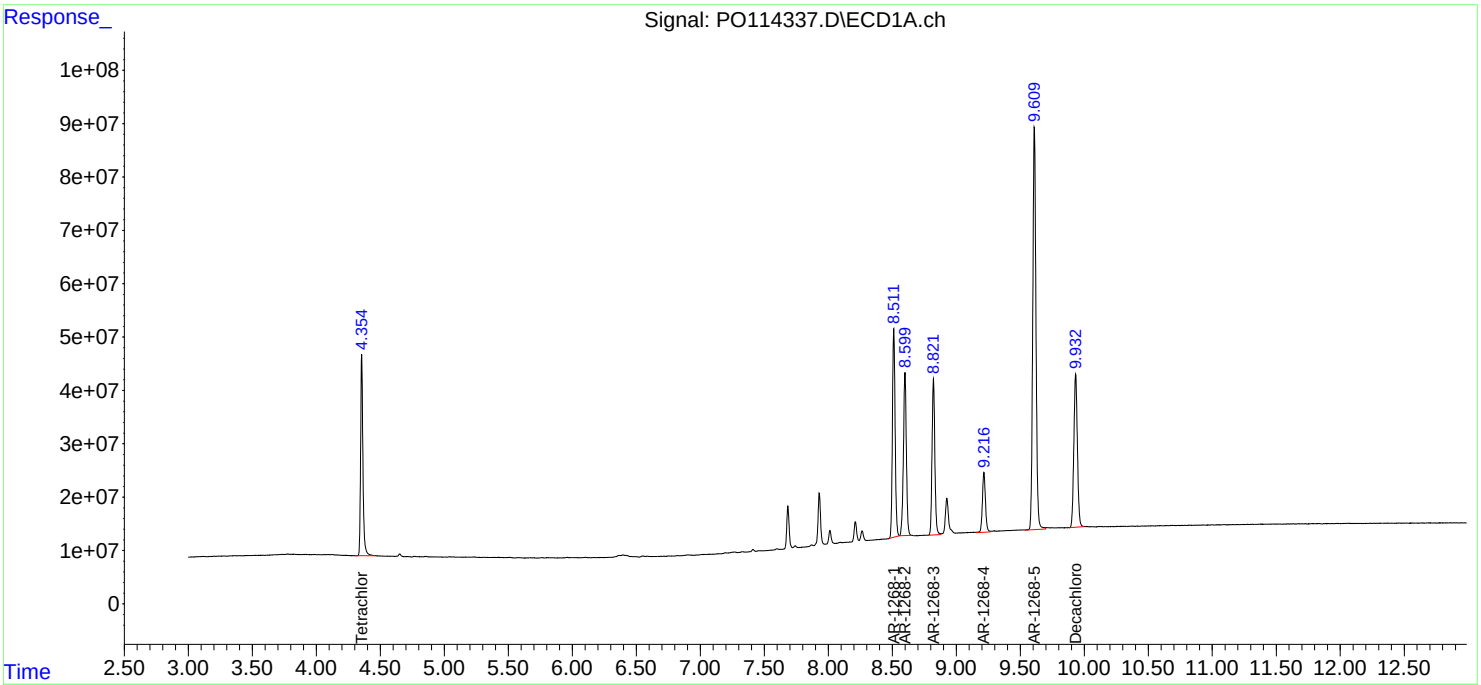
ICAL Form

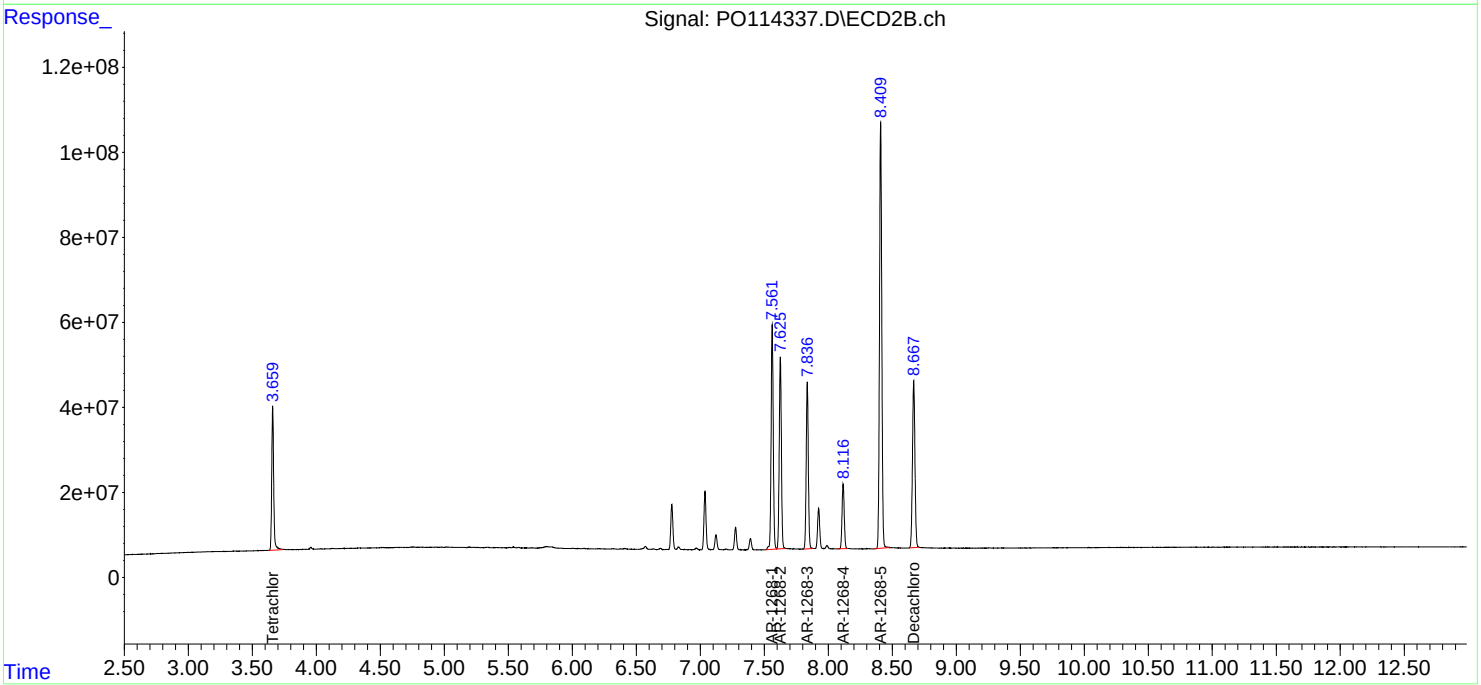
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 21:34
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

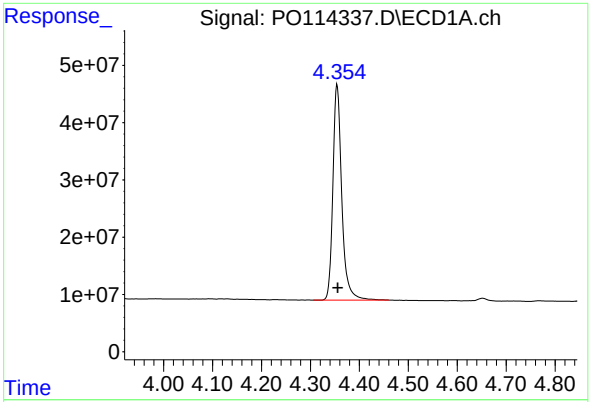
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:41:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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



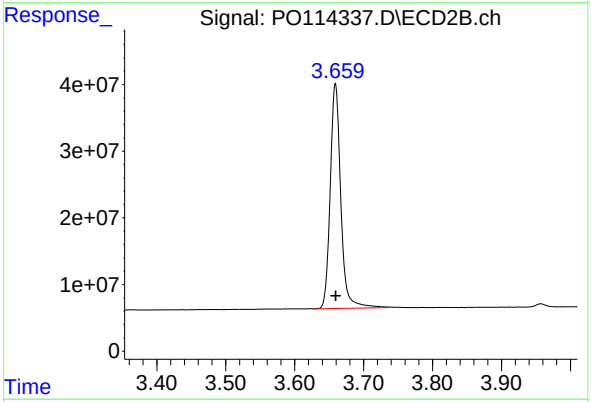




#1 Tetrachloro-m-xylene

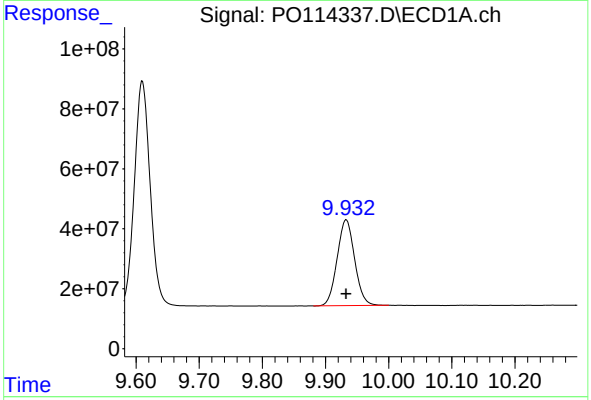
R.T.: 4.355 min
Delta R.T.: -0.001 min
Response: 475398708
Conc: 75.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



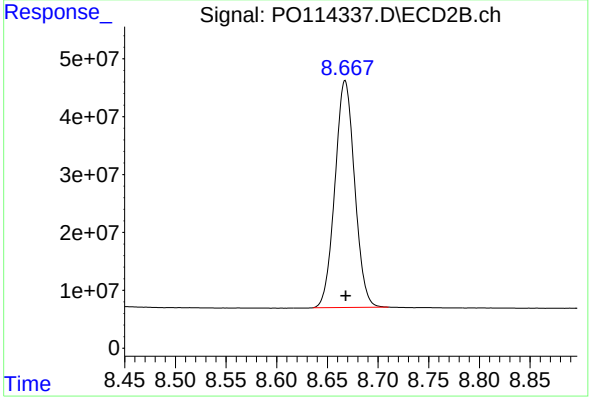
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 359520123
Conc: 75.02 ng/ml



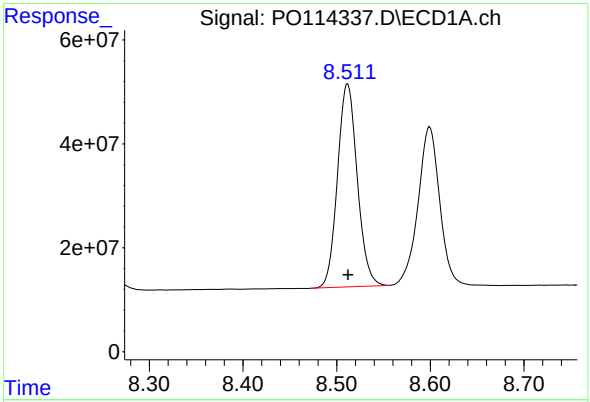
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 551629651
Conc: 75.74 ng/ml



#2 Decachlorobiphenyl

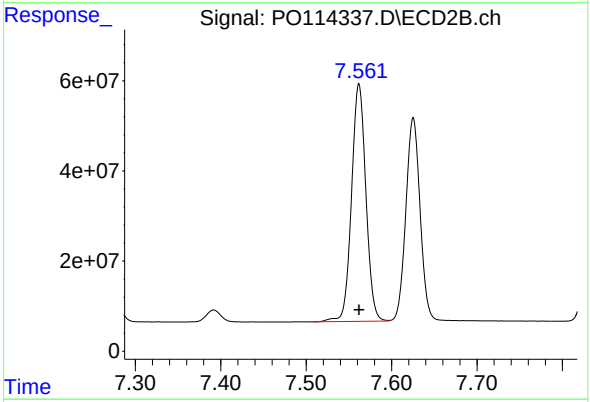
R.T.: 8.667 min
Delta R.T.: 0.000 min
Response: 530465668
Conc: 74.11 ng/ml



#41 AR-1268-1

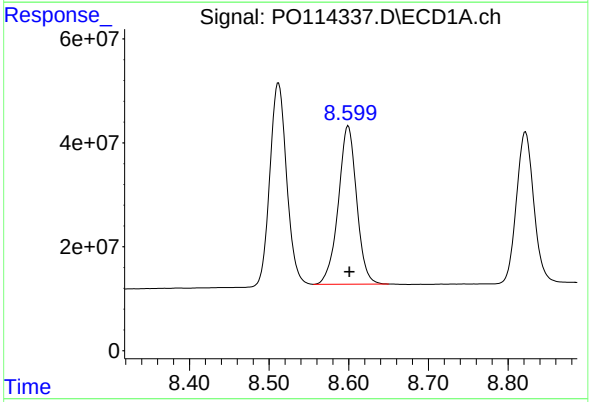
R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 572285871
Conc: 757.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



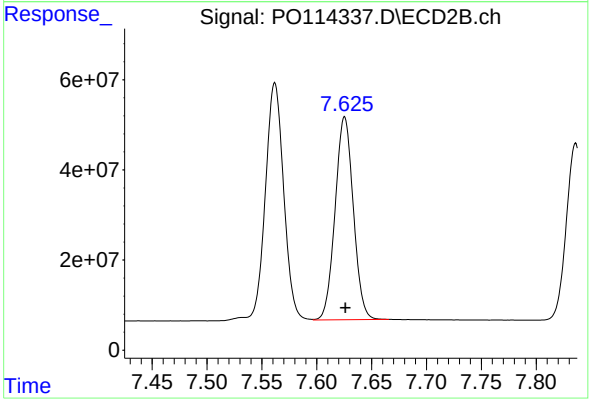
#41 AR-1268-1

R.T.: 7.562 min
Delta R.T.: 0.000 min
Response: 615504747
Conc: 747.50 ng/ml



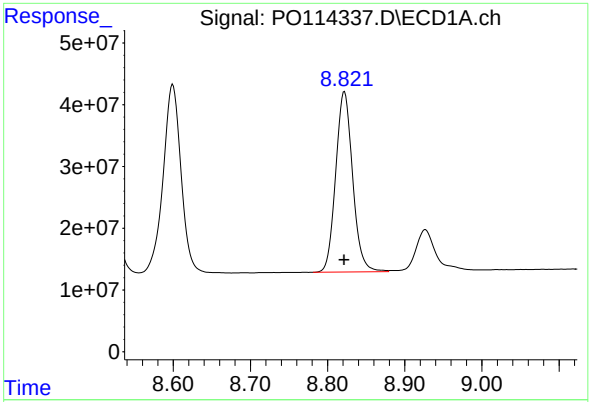
#42 AR-1268-2

R.T.: 8.599 min
Delta R.T.: -0.001 min
Response: 487604586
Conc: 760.79 ng/ml



#42 AR-1268-2

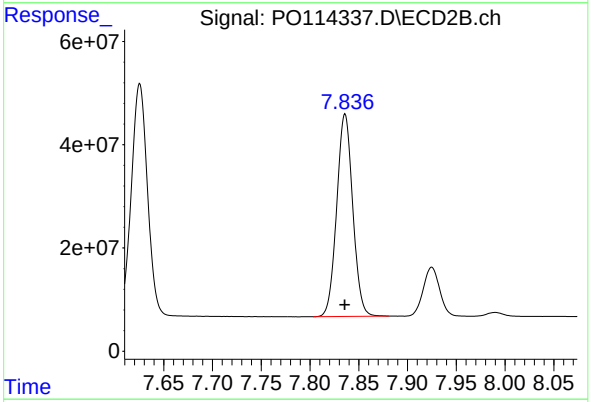
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 520278380
Conc: 747.14 ng/ml



#43 AR-1268-3

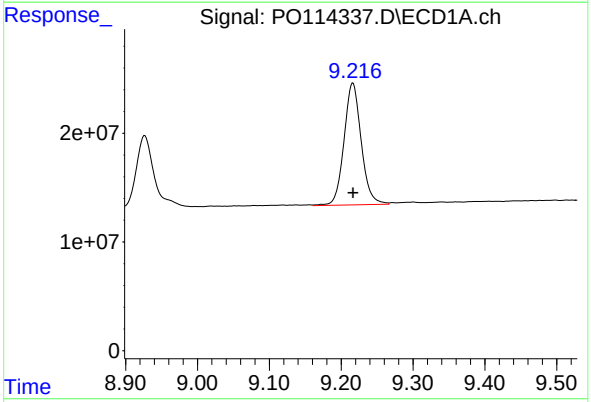
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 445178352
Conc: 759.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



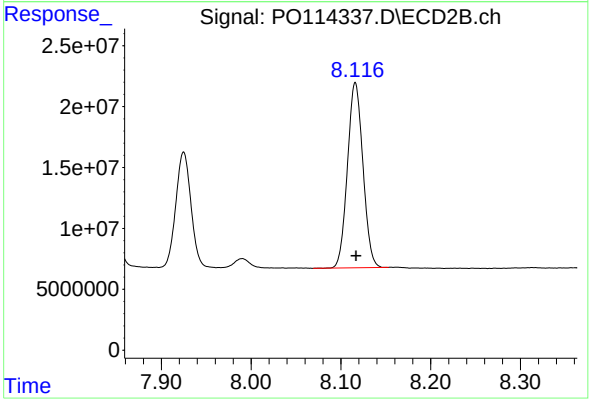
#43 AR-1268-3

R.T.: 7.836 min
Delta R.T.: 0.000 min
Response: 448853271
Conc: 748.01 ng/ml



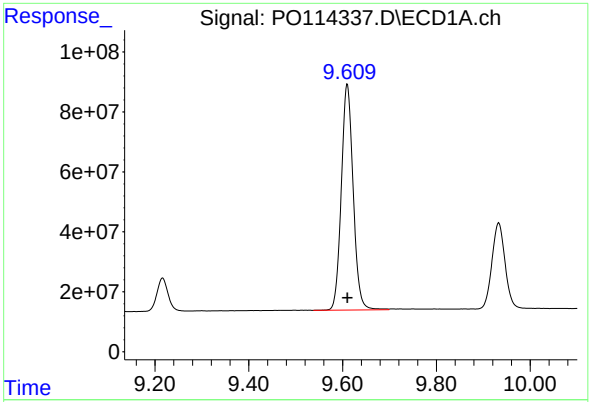
#44 AR-1268-4

R.T.: 9.216 min
Delta R.T.: 0.000 min
Response: 186490681
Conc: 752.71 ng/ml



#44 AR-1268-4

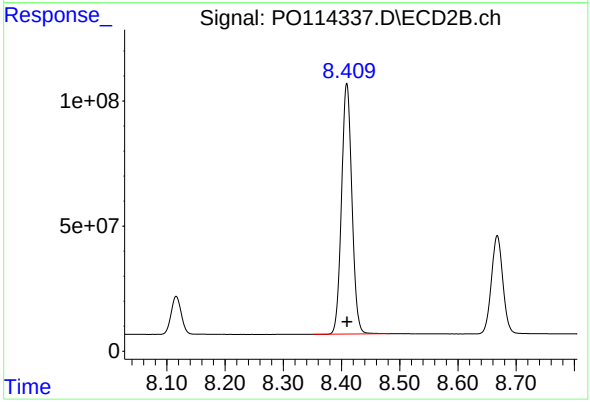
R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 182306479
Conc: 746.14 ng/ml



#45 AR-1268-5

R.T.: 9.610 min
Delta R.T.: 0.000 min
Response: 1321171068
Conc: 760.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.409 min
Delta R.T.: 0.000 min
Response: 1240009500
Conc: 749.72 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 21:52
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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...	4.356	3.660	316.1E6	239.6E6	50.000	50.000
2)	SA Decachlor...	9.933	8.668	364.1E6	357.9E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.512	7.562	377.5E6	411.7E6	500.000	500.000
42)	L9 AR-1268-2	8.601	7.626	320.5E6	348.2E6	500.000	500.000
43)	L9 AR-1268-3	8.821	7.836	293.2E6	300.0E6	500.000	500.000
44)	L9 AR-1268-4	9.217	8.117	123.9E6	122.2E6	500.000	500.000
45)	L9 AR-1268-5	9.611	8.410	868.9E6	827.0E6	500.000	500.000

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

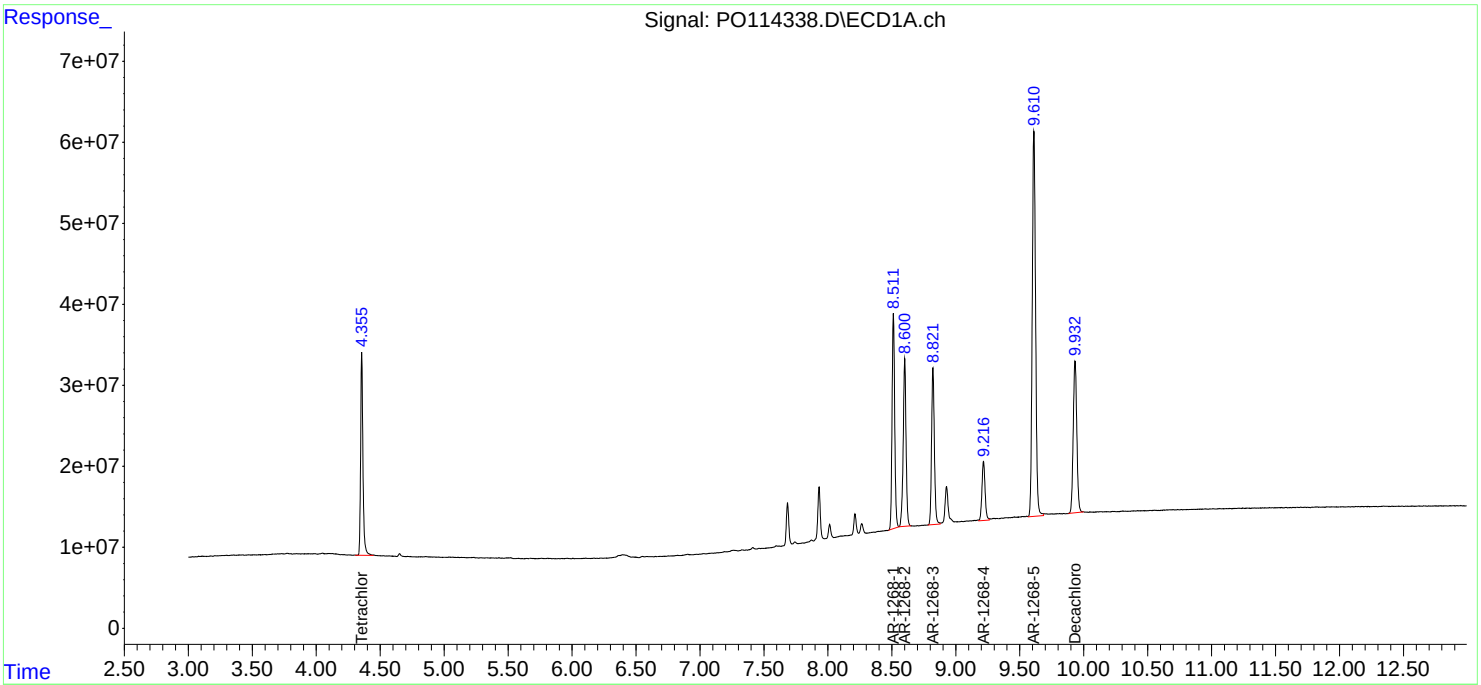
ICAL Form

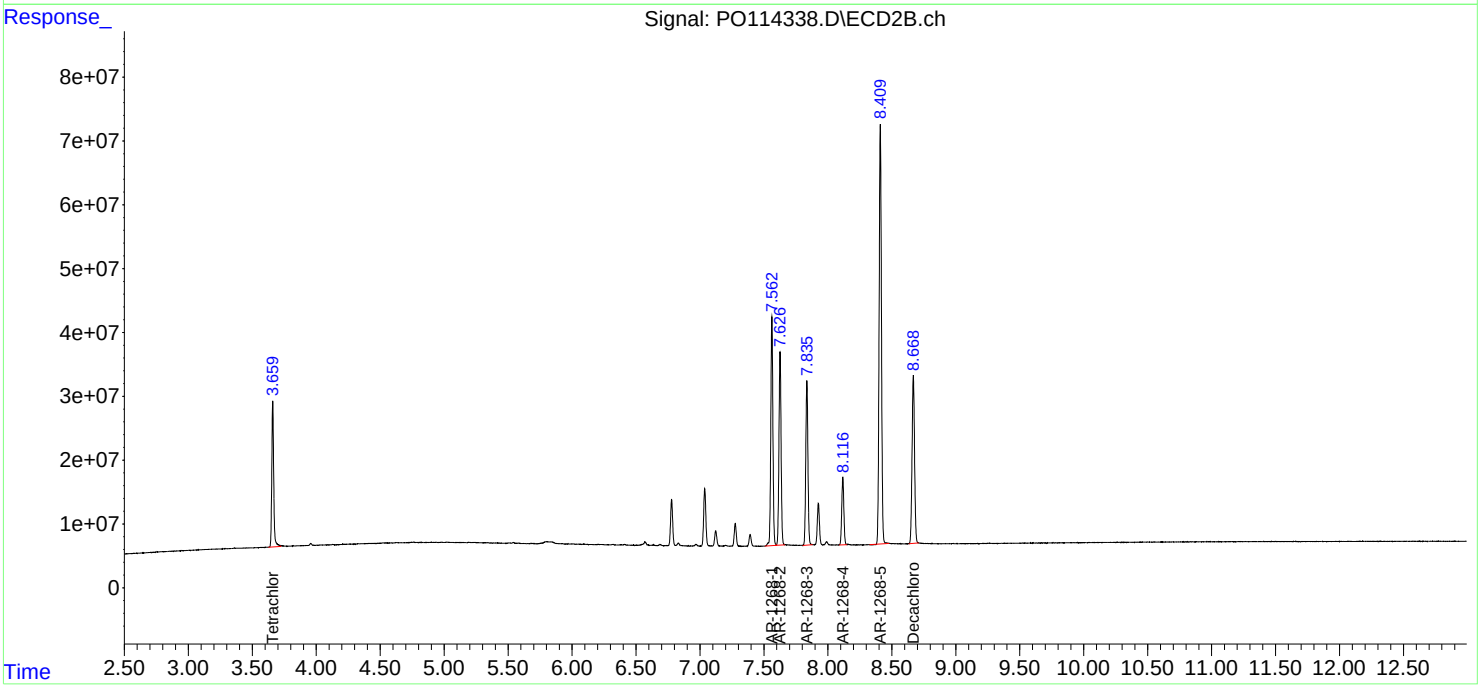
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 21:52
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

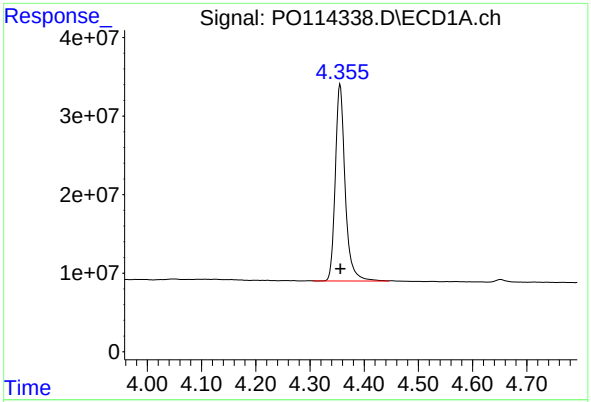
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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



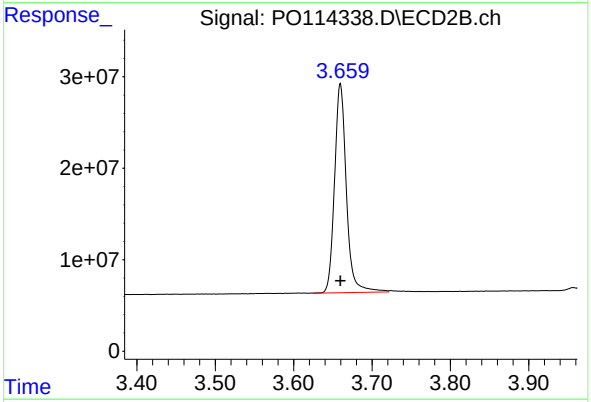




#1 Tetrachloro-m-xylene

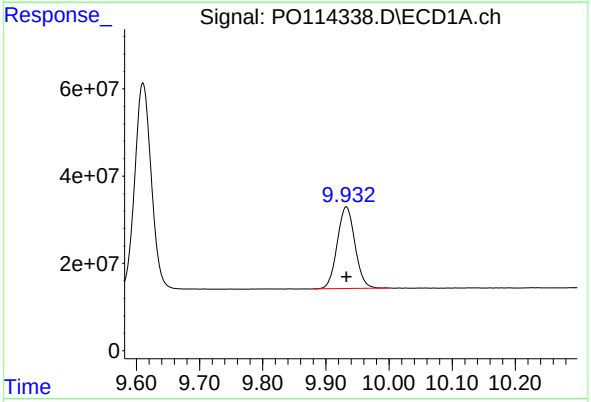
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 316088365
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



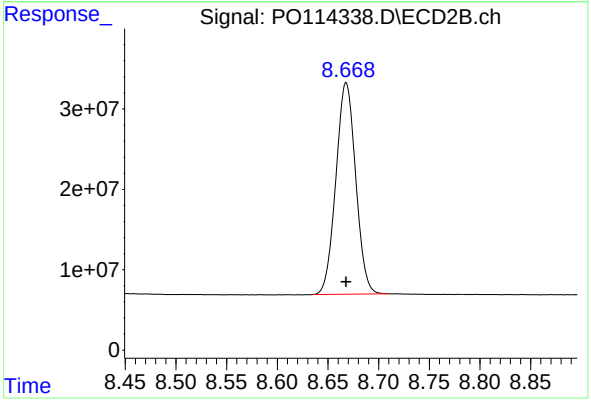
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 239631456
Conc: 50.00 ng/ml



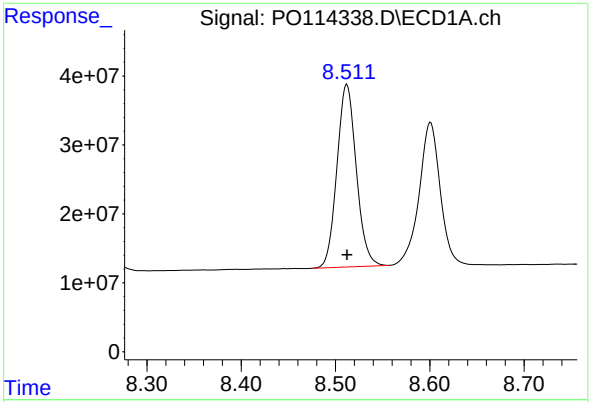
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 364142816
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

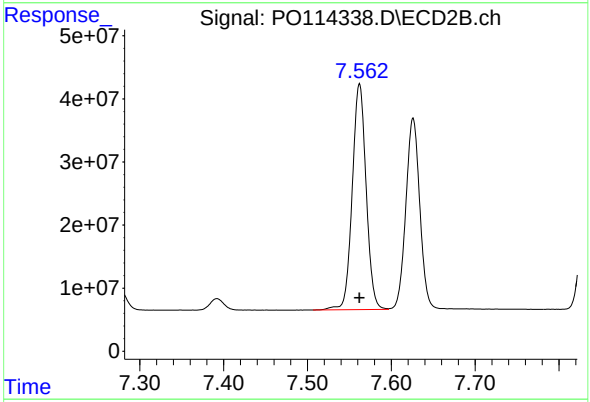
R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 357908937
Conc: 50.00 ng/ml



#41 AR-1268-1

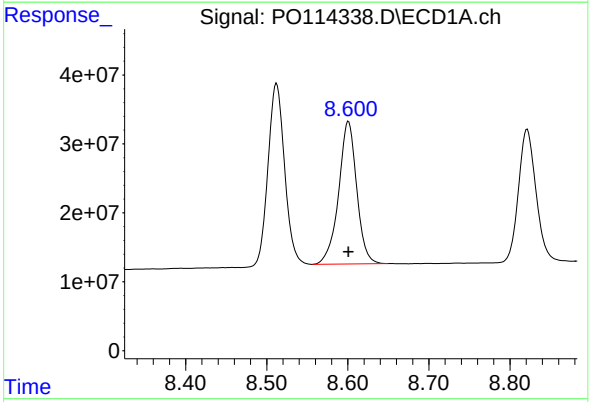
R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 377524689
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



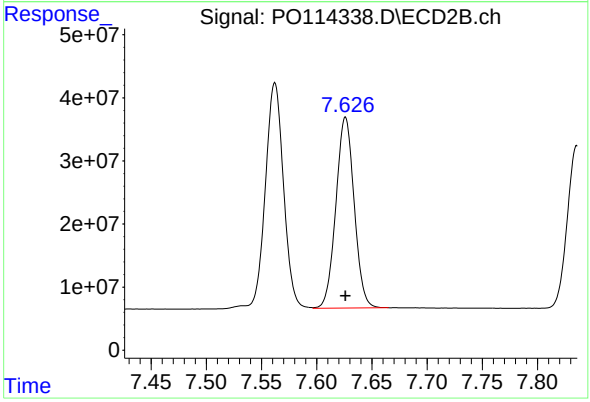
#41 AR-1268-1

R.T.: 7.562 min
Delta R.T.: 0.000 min
Response: 411707060
Conc: 500.00 ng/ml



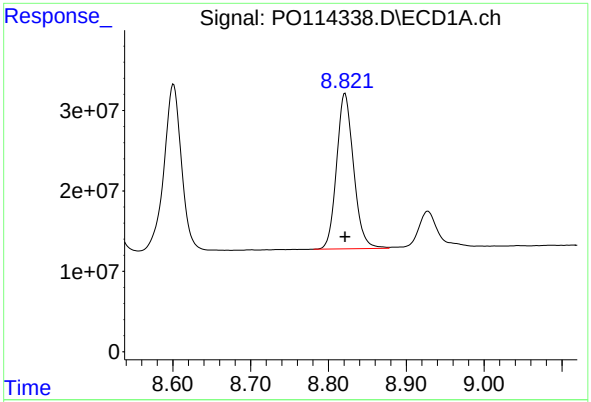
#42 AR-1268-2

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 320459089
Conc: 500.00 ng/ml



#42 AR-1268-2

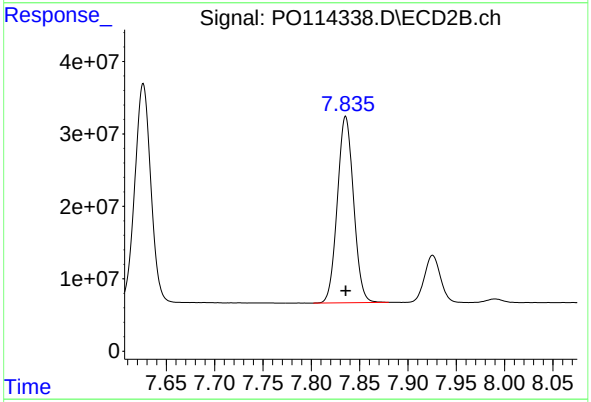
R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 348177677
Conc: 500.00 ng/ml



#43 AR-1268-3

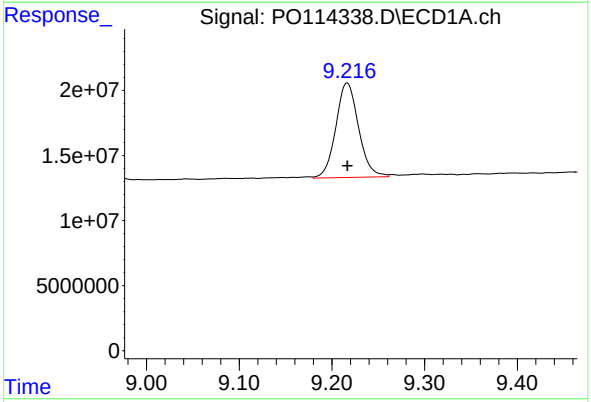
R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 293229900
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



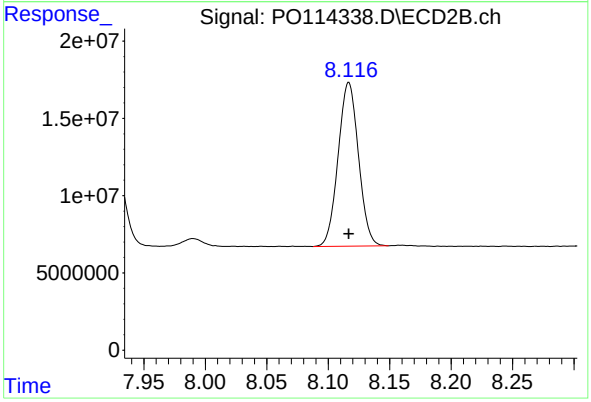
#43 AR-1268-3

R.T.: 7.836 min
Delta R.T.: 0.000 min
Response: 300032922
Conc: 500.00 ng/ml



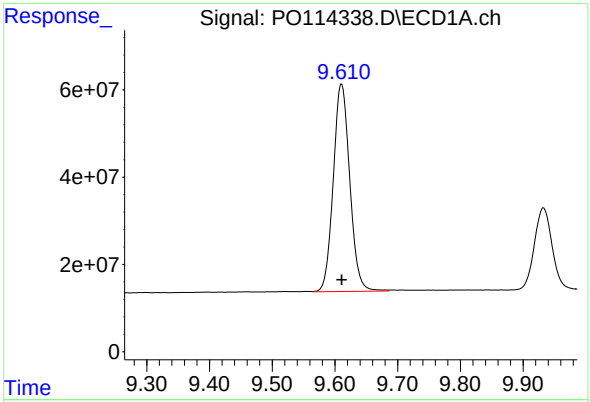
#44 AR-1268-4

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 123879742
Conc: 500.00 ng/ml



#44 AR-1268-4

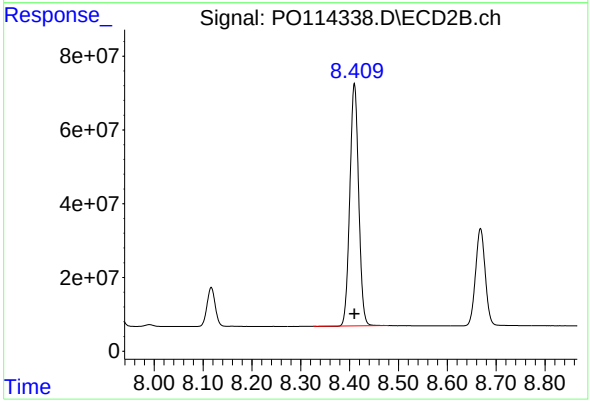
R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 122166061
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.611 min
Delta R.T.: 0.000 min
Response: 868930333
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.410 min
Delta R.T.: 0.000 min
Response: 826984202
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114339.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 22:11
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:42:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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...	4.355	3.660	155.5E6	118.7E6	24.600	24.776
2)	SA Decachlor...	9.932	8.668	178.6E6	181.1E6	24.517	25.302
	Target Compounds						
41)	L9 AR-1268-1	8.512	7.562	186.1E6	207.4E6	246.495m	251.932
42)	L9 AR-1268-2	8.601	7.626	157.6E6	174.3E6	245.954	250.246
43)	L9 AR-1268-3	8.821	7.836	145.1E6	149.6E6	247.339	249.364
44)	L9 AR-1268-4	9.217	8.117	68332461	61274419	275.802	250.783
45)	L9 AR-1268-5	9.611	8.410	430.5E6	411.5E6	247.745	248.795

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114339.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 22:11
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

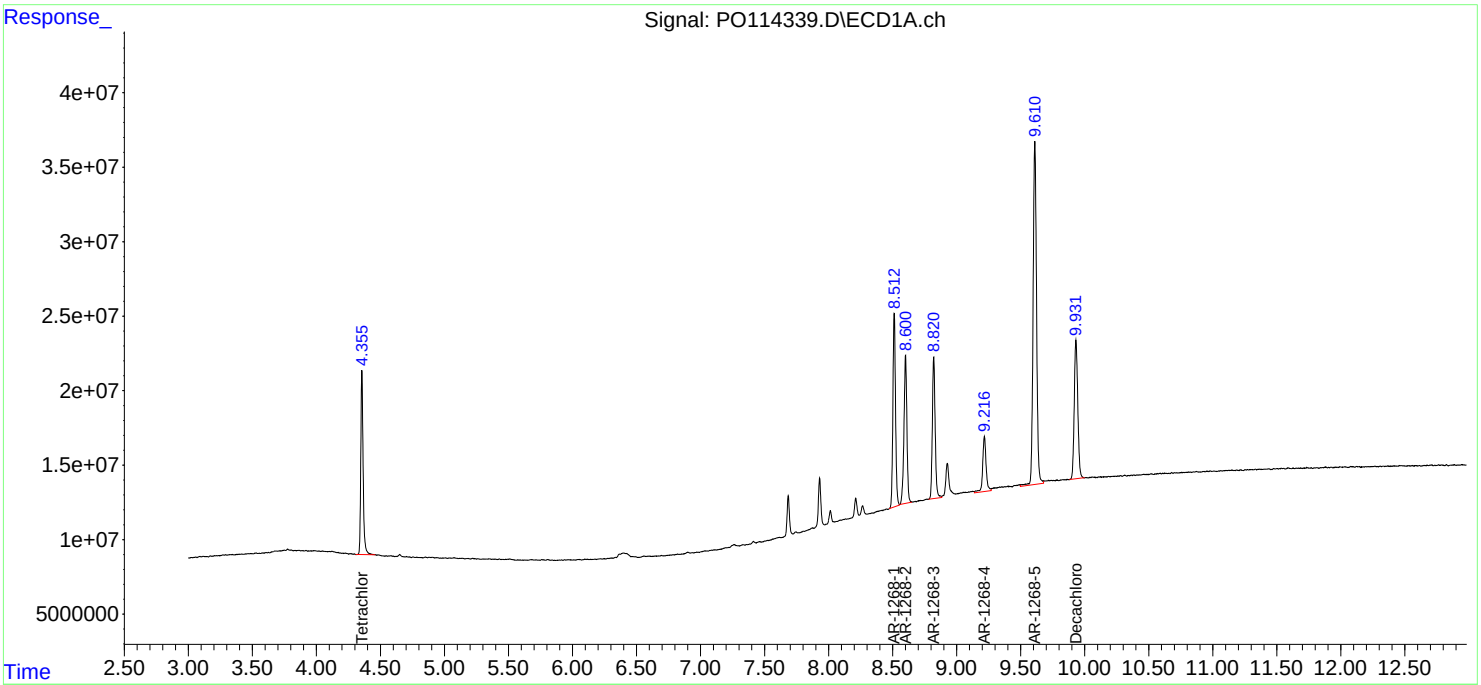
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

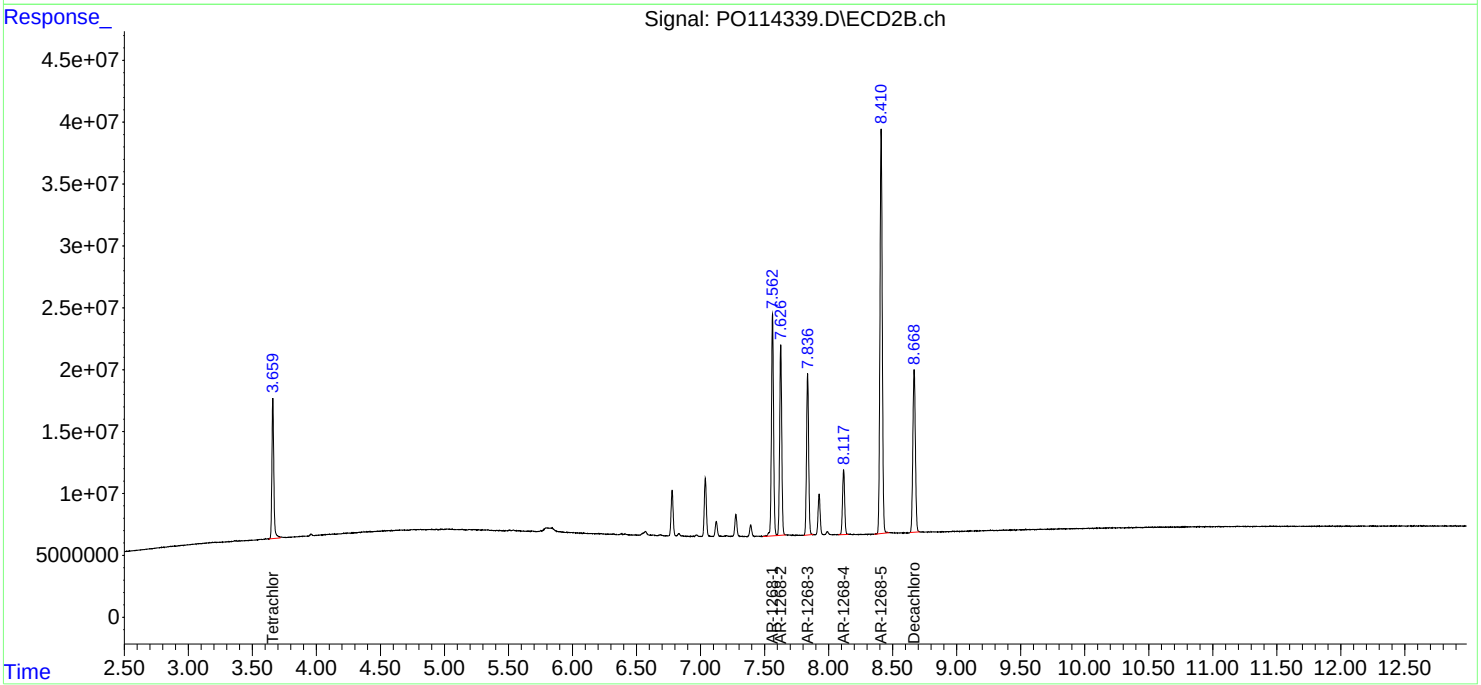
Manual Integrations APPROVED

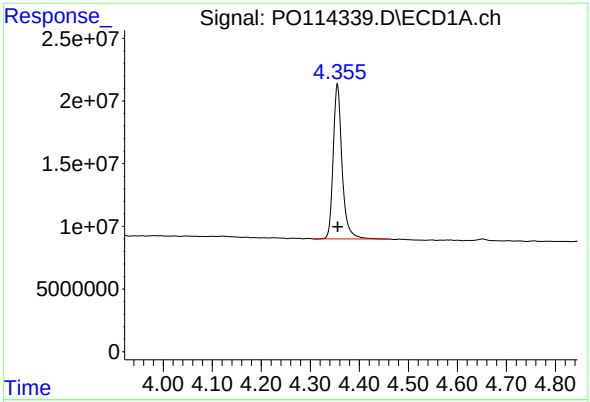
Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:42:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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







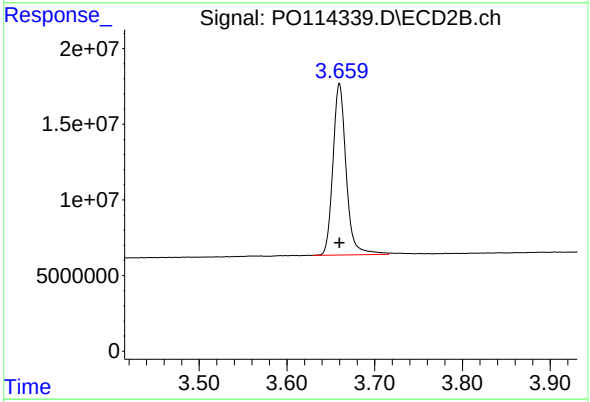
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 155518189
Conc: 24.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

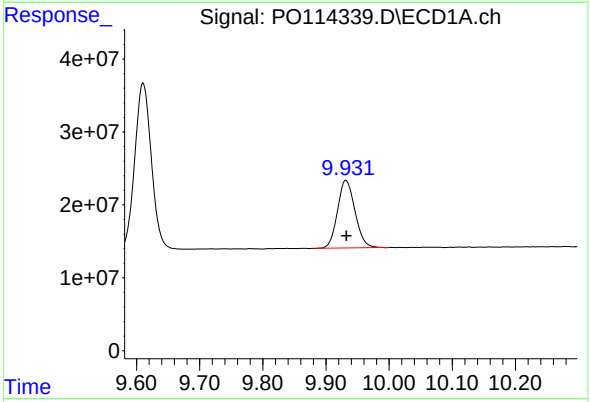
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



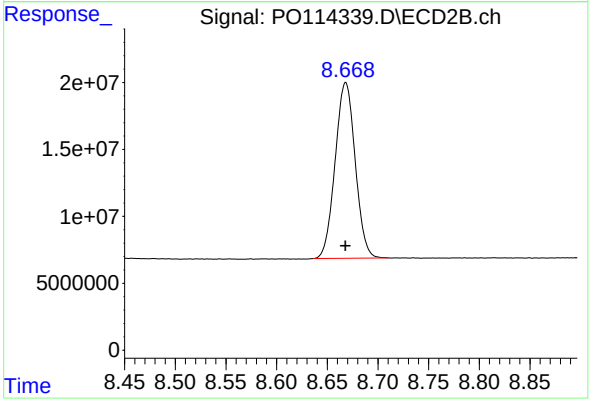
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 118742078
Conc: 24.78 ng/ml



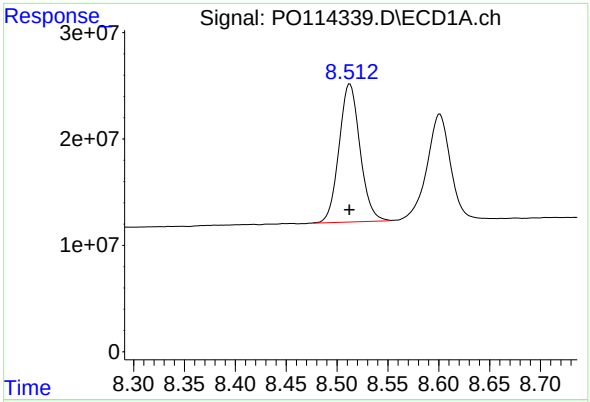
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 178553601
Conc: 24.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 181115260
Conc: 25.30 ng/ml



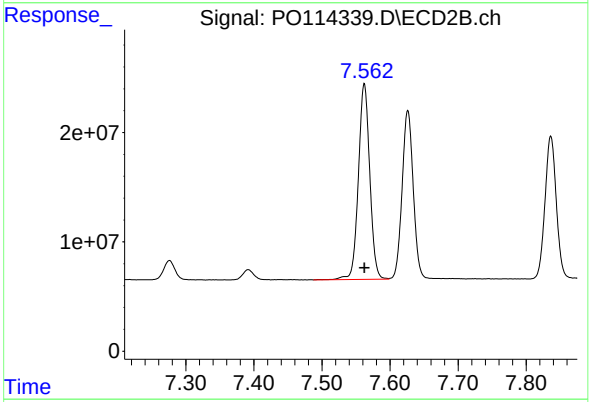
#41 AR-1268-1

R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 186115791
Conc: 246.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

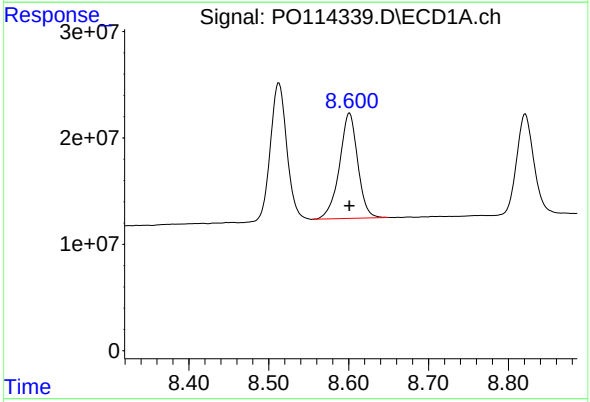
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



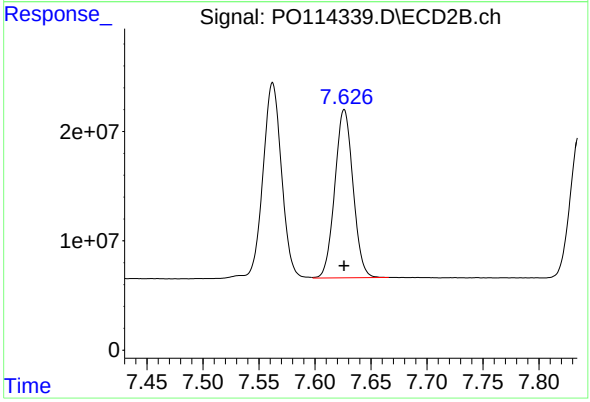
#41 AR-1268-1

R.T.: 7.562 min
Delta R.T.: 0.000 min
Response: 207444056
Conc: 251.93 ng/ml



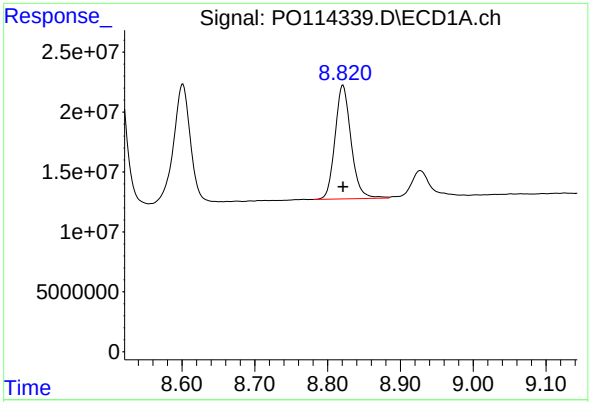
#42 AR-1268-2

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 157636657
Conc: 245.95 ng/ml



#42 AR-1268-2

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 174260159
Conc: 250.25 ng/ml



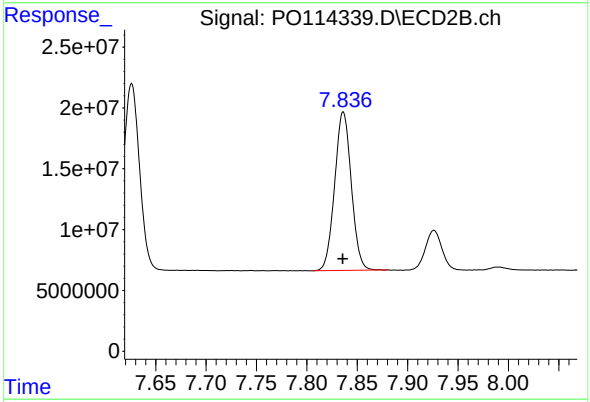
#43 AR-1268-3

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 145054315
Conc: 247.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

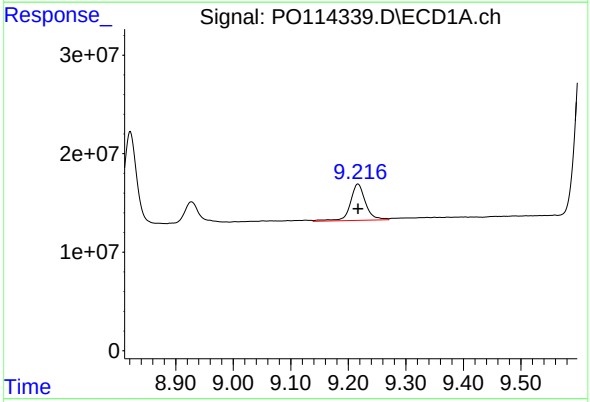
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



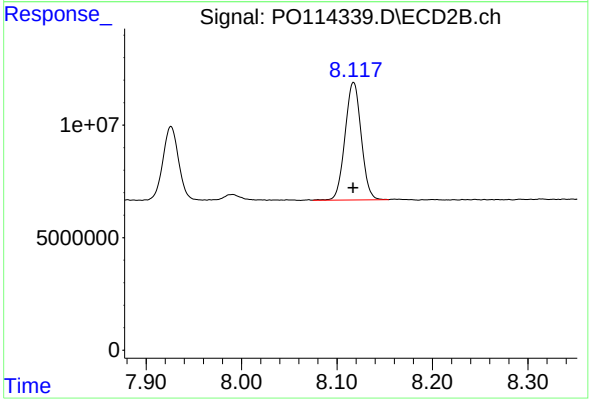
#43 AR-1268-3

R.T.: 7.836 min
Delta R.T.: 0.000 min
Response: 149634792
Conc: 249.36 ng/ml



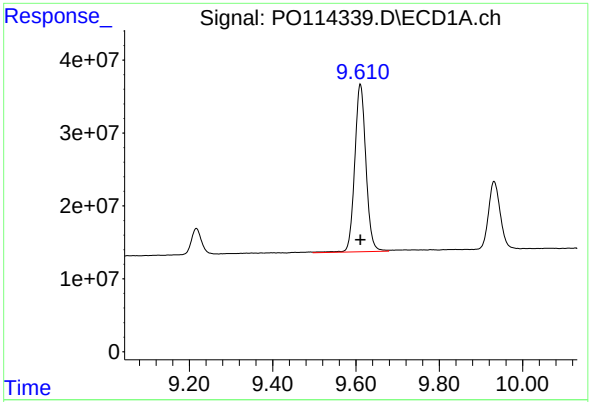
#44 AR-1268-4

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 68332461
Conc: 275.80 ng/ml



#44 AR-1268-4

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 61274419
Conc: 250.78 ng/ml



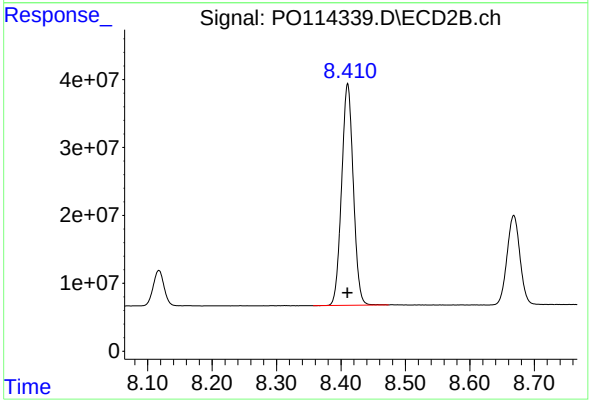
#45 AR-1268-5

R.T.: 9.611 min
Delta R.T.: 0.000 min
Response: 430545654
Conc: 247.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



#45 AR-1268-5

R.T.: 8.410 min
Delta R.T.: 0.000 min
Response: 411499227
Conc: 248.80 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 22:29
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:43:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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...	4.355	3.659	29229275	22630186	4.624	4.722
2)	SA Decachlor...	9.932	8.668	31790557	35269306	4.365	4.927
	Target Compounds						
41)	L9 AR-1268-1	8.512	7.561	32943775	41304225	43.631	50.162
42)	L9 AR-1268-2	8.601	7.625	27673298	33913547	43.178	48.701
43)	L9 AR-1268-3	8.821	7.835	26198359	28863911	44.672	48.101
44)	L9 AR-1268-4	9.215	8.116	11311379	11514154	45.655m	47.125
45)	L9 AR-1268-5	9.610	8.409	81708074	79828748	47.016	48.265

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 22:29
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

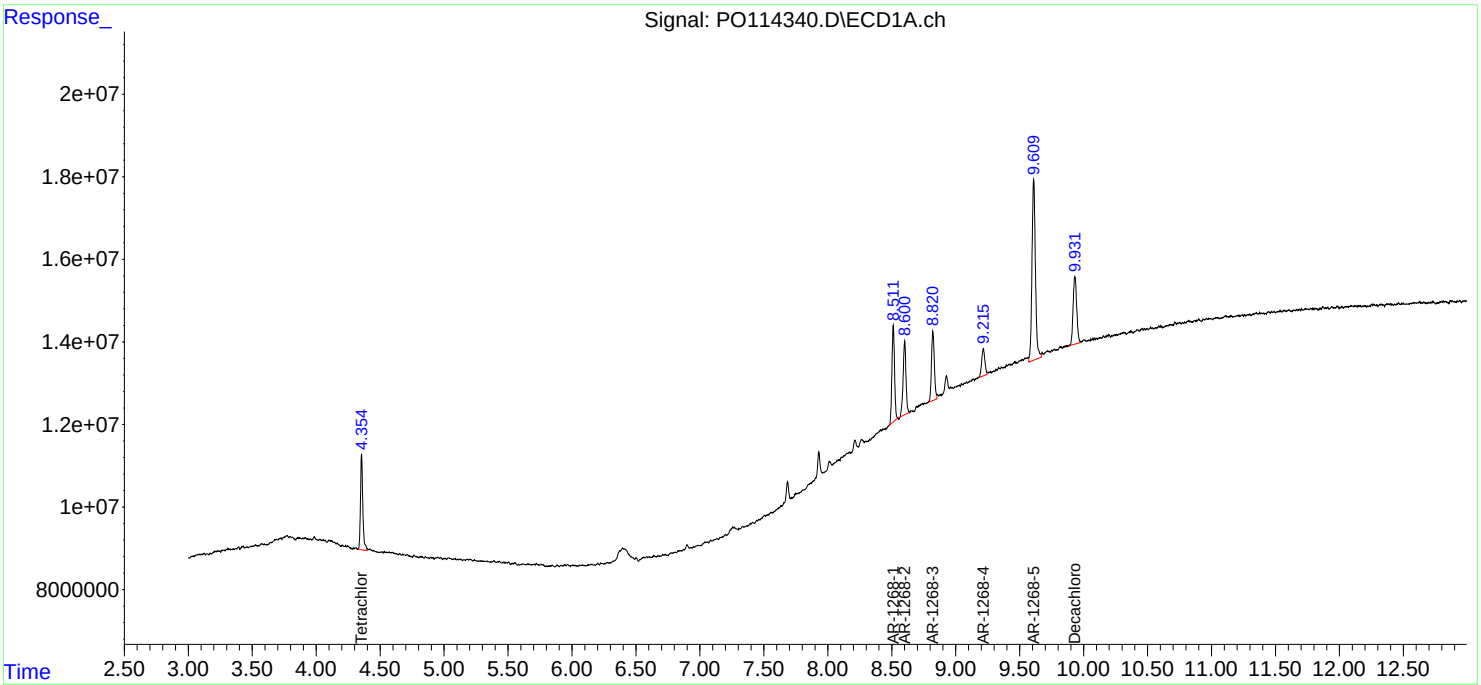
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

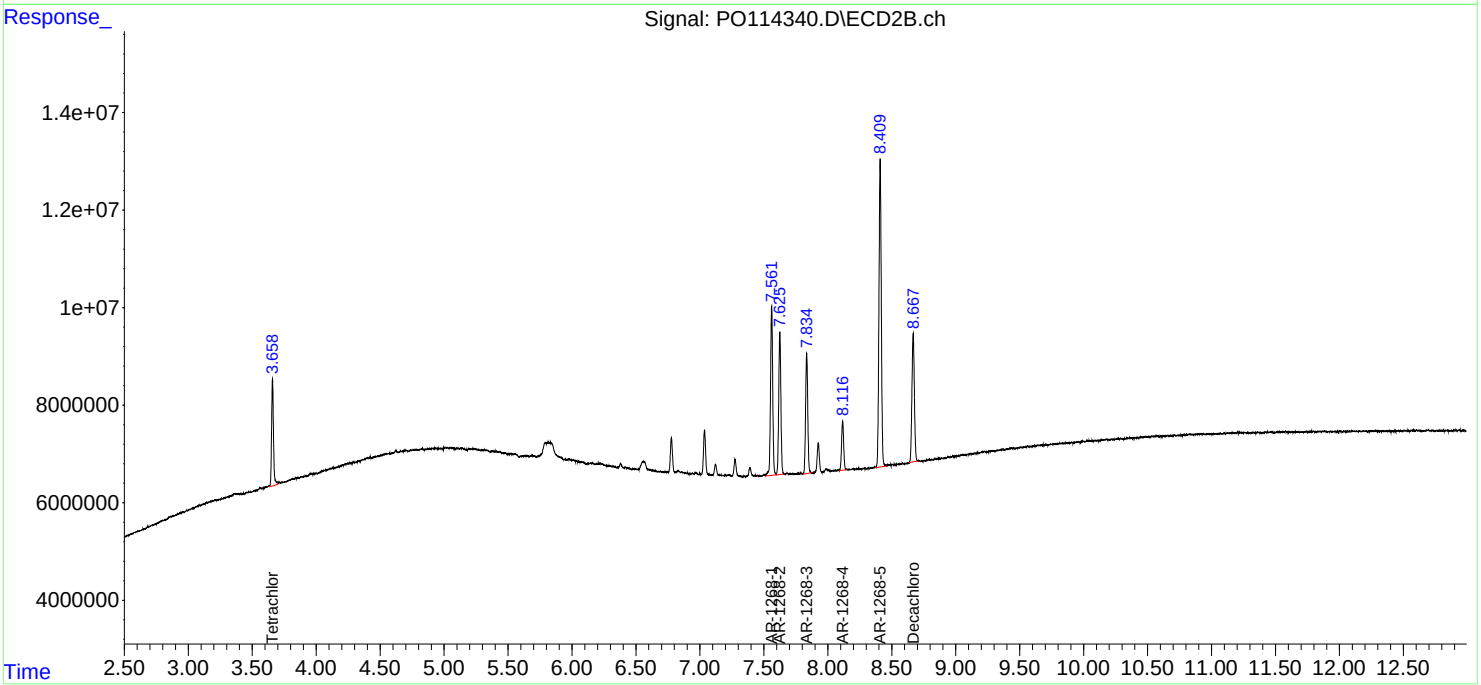
Manual Integrations APPROVED

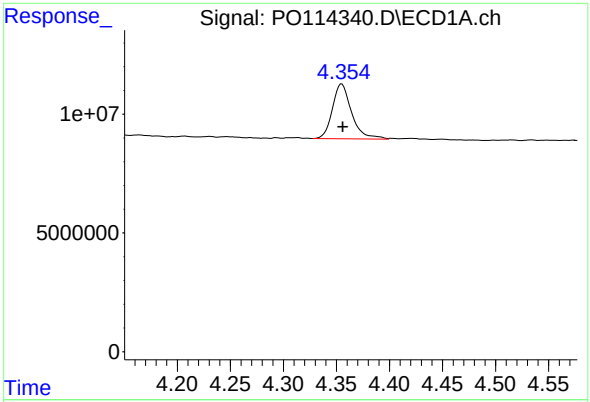
Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:43:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:40:02 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







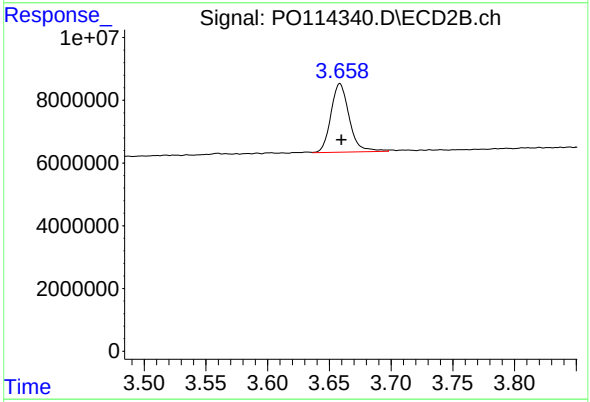
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 29229275
Conc: 4.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

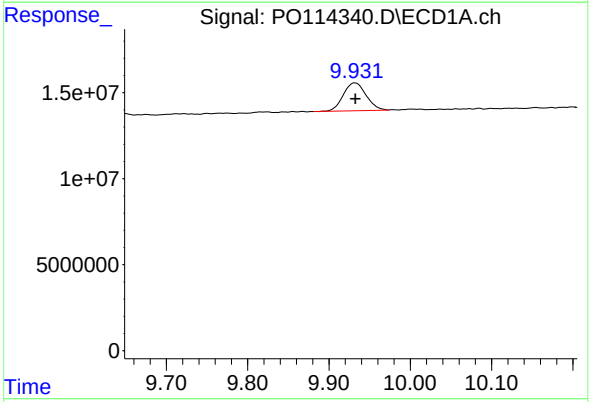
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



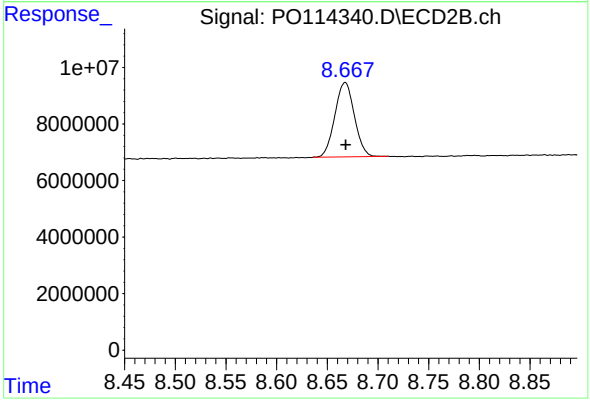
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.001 min
Response: 22630186
Conc: 4.72 ng/ml



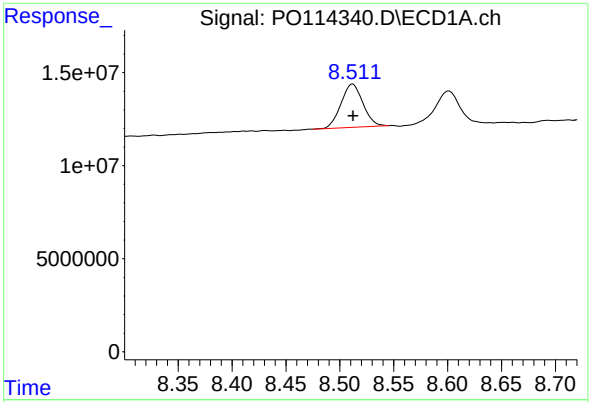
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 31790557
Conc: 4.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 35269306
Conc: 4.93 ng/ml



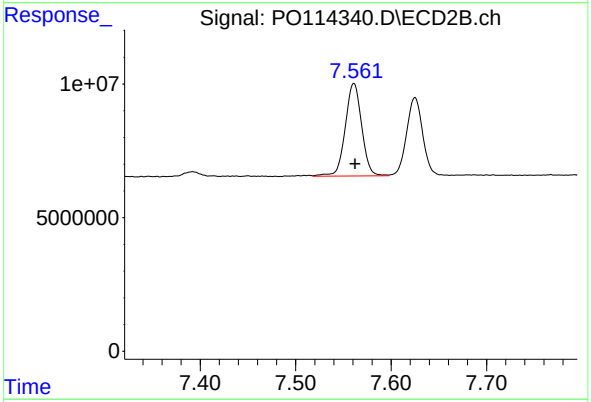
#41 AR-1268-1

R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 32943775
Conc: 43.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

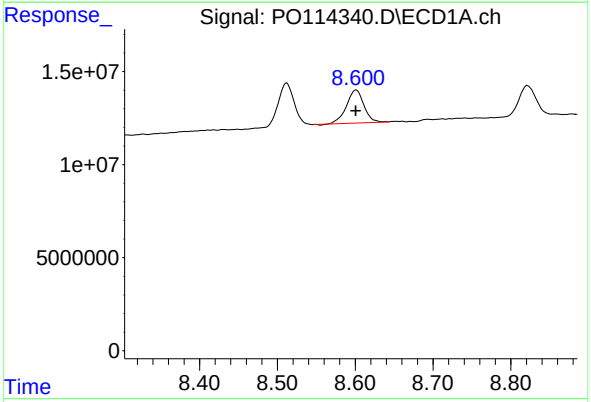
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



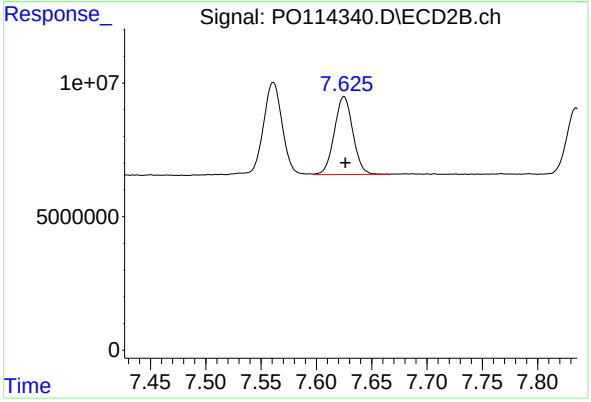
#41 AR-1268-1

R.T.: 7.561 min
Delta R.T.: -0.001 min
Response: 41304225
Conc: 50.16 ng/ml



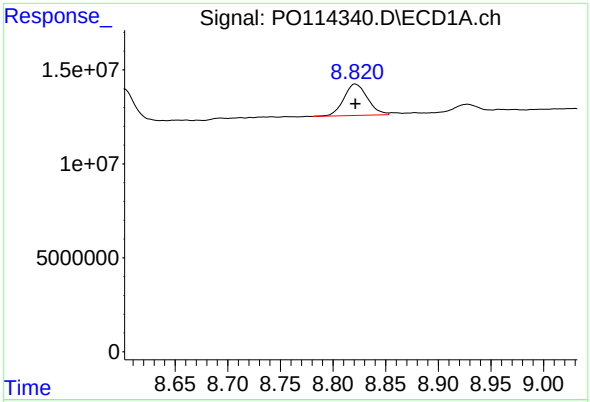
#42 AR-1268-2

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 27673298
Conc: 43.18 ng/ml



#42 AR-1268-2

R.T.: 7.625 min
Delta R.T.: -0.001 min
Response: 33913547
Conc: 48.70 ng/ml



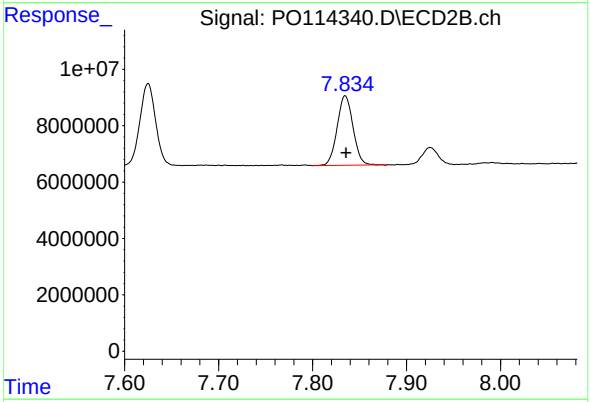
#43 AR-1268-3

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 26198359
Conc: 44.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

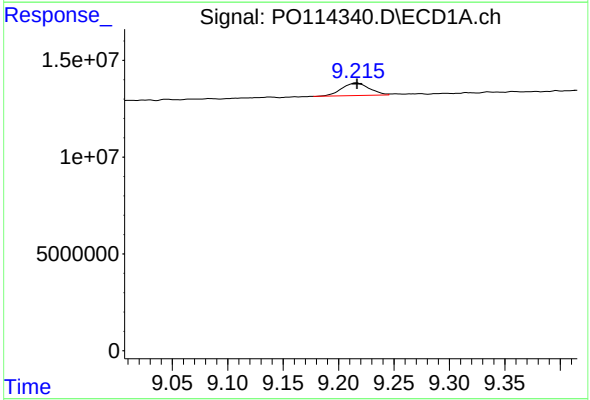
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



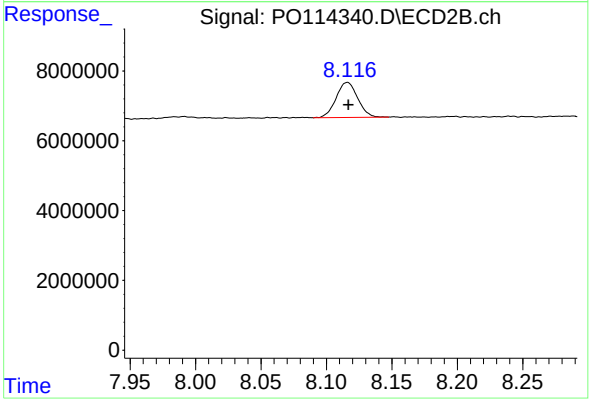
#43 AR-1268-3

R.T.: 7.835 min
Delta R.T.: 0.000 min
Response: 28863911
Conc: 48.10 ng/ml



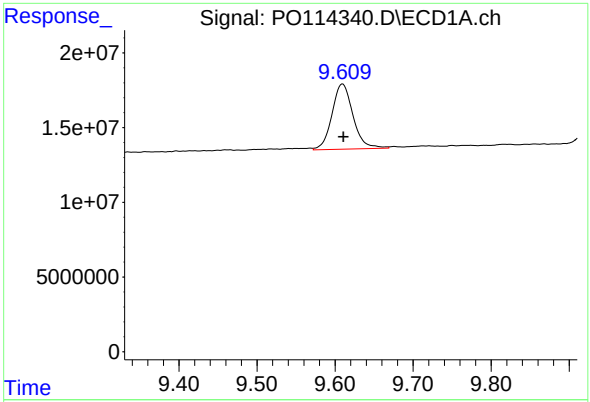
#44 AR-1268-4

R.T.: 9.215 min
Delta R.T.: -0.001 min
Response: 11311379
Conc: 45.65 ng/ml m



#44 AR-1268-4

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 11514154
Conc: 47.13 ng/ml



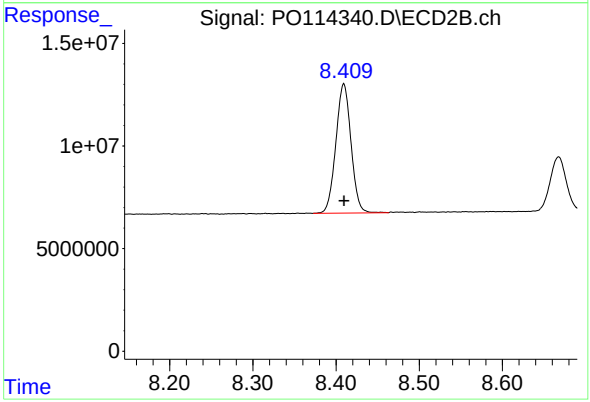
#45 AR-1268-5

R.T.: 9.610 min
Delta R.T.: 0.000 min
Response: 81708074
Conc: 47.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



#45 AR-1268-5

R.T.: 8.409 min
Delta R.T.: 0.000 min
Response: 79828748
Conc: 48.26 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 22:47
Operator : YP/AJ
Sample : PO100925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO100925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 05:08:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 05:04:59 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...	4.355	3.659	303.7E6	221.3E6	55.947	55.289
2)	SA Decachlor...	9.934	8.669	194.5E6	195.5E6	53.423	58.645
	Target Compounds						
3)	L1 AR-1016-1	5.492	4.741	99538435	96288840	551.895	571.839
4)	L1 AR-1016-2	5.514	4.761	164.8E6	137.9E6	541.506	569.586
5)	L1 AR-1016-3	5.575	4.935	94543131	72943991	534.588	587.530
6)	L1 AR-1016-4	5.671	4.978	77904177	57848182	566.351	599.305
7)	L1 AR-1016-5	5.962	5.190	70772325	73749593	560.504	576.820
31)	L7 AR-1260-1	7.074	6.223	119.2E6	136.1E6	547.073	578.071
32)	L7 AR-1260-2	7.328	6.410	165.7E6	196.5E6	536.948	587.504
33)	L7 AR-1260-3	7.685	6.564	141.5E6	161.2E6	551.721	546.660
34)	L7 AR-1260-4	7.906	7.036	122.6E6	133.3E6	526.466	597.798
35)	L7 AR-1260-5	8.212	7.276	311.0E6	364.0E6	536.094	593.881

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

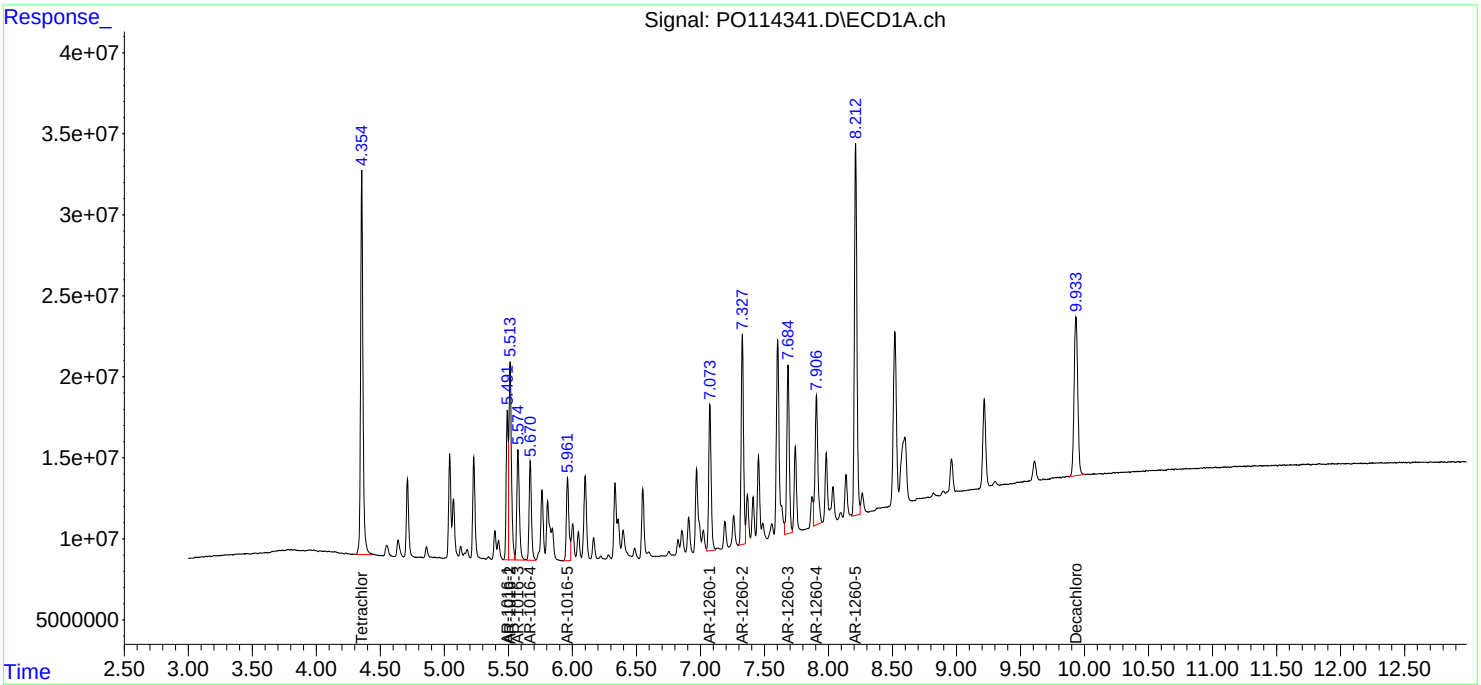
ICAL Form

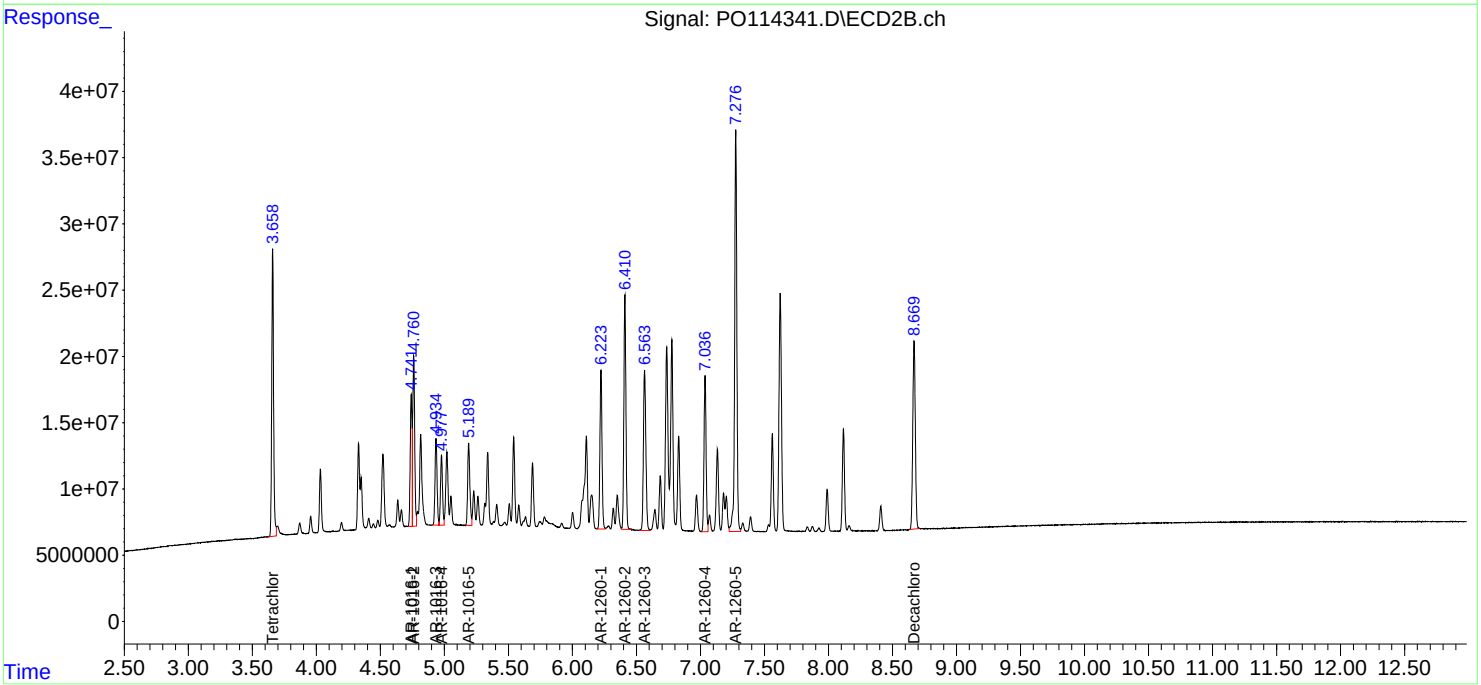
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 22:47
Operator : YP/AJ
Sample : PO100925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

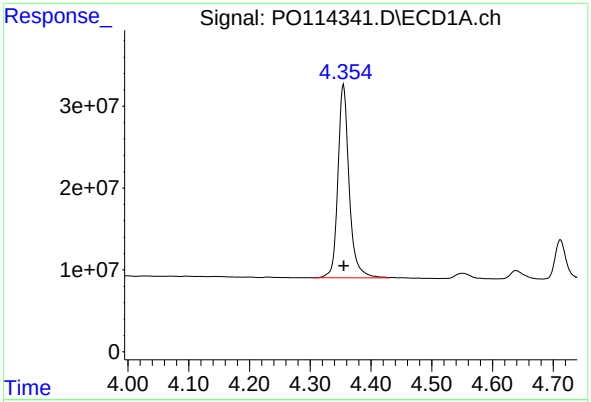
Instrument :
ECD_O
ClientSampleId :
ICVPO100925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 05:08:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 05:04:59 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



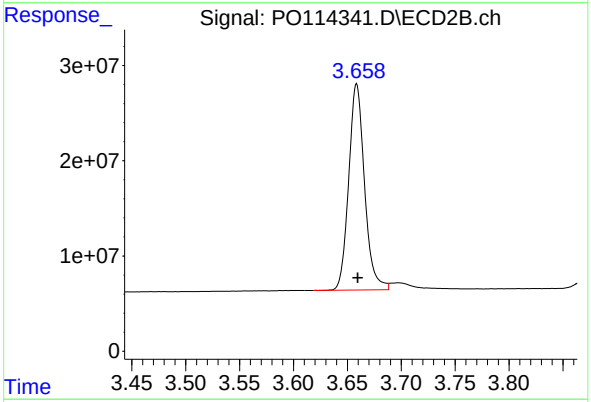




#1 Tetrachloro-m-xylene

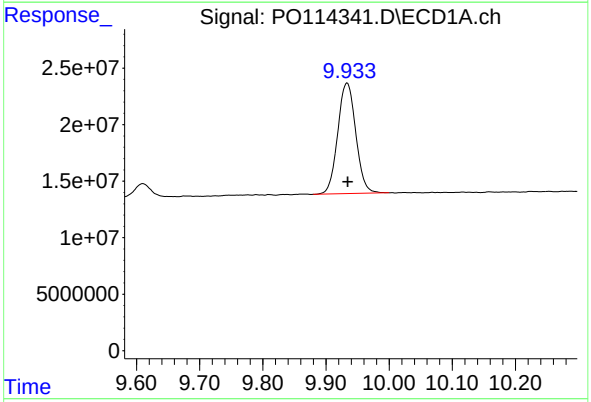
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 303735636
Conc: 55.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925



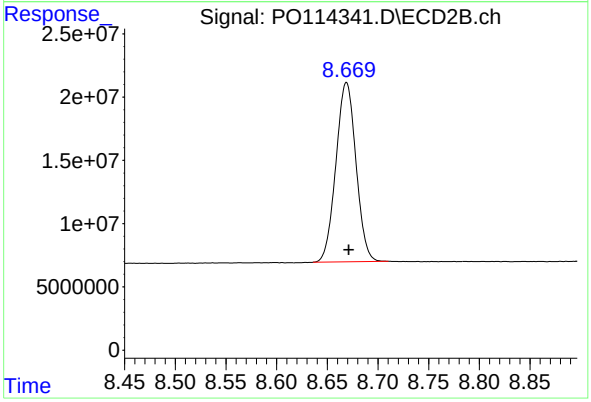
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.001 min
Response: 221282289
Conc: 55.29 ng/ml



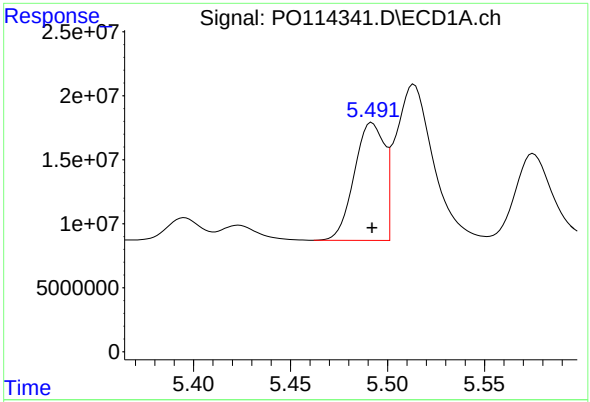
#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 194520396
Conc: 53.42 ng/ml



#2 Decachlorobiphenyl

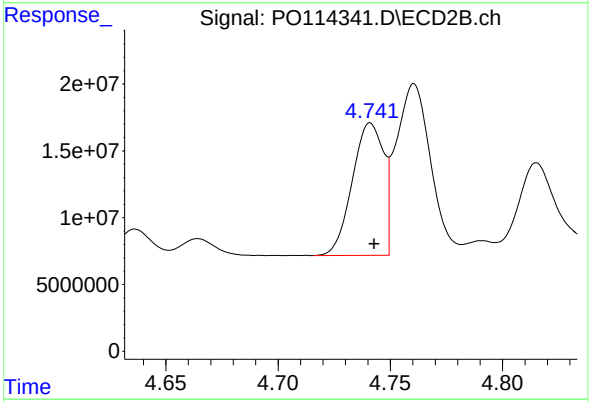
R.T.: 8.669 min
Delta R.T.: -0.002 min
Response: 195474249
Conc: 58.64 ng/ml



#3 AR-1016-1

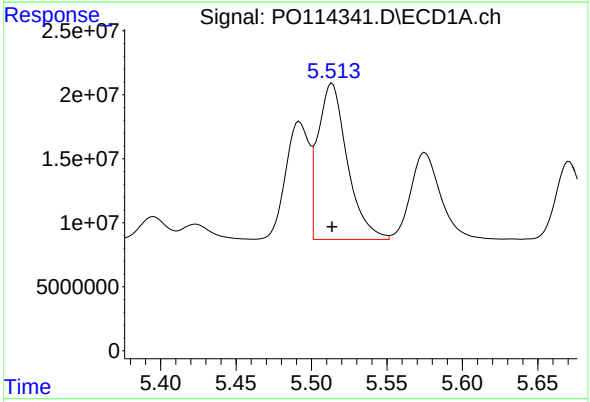
R.T.: 5.492 min
Delta R.T.: 0.000 min
Response: 99538435
Conc: 551.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925



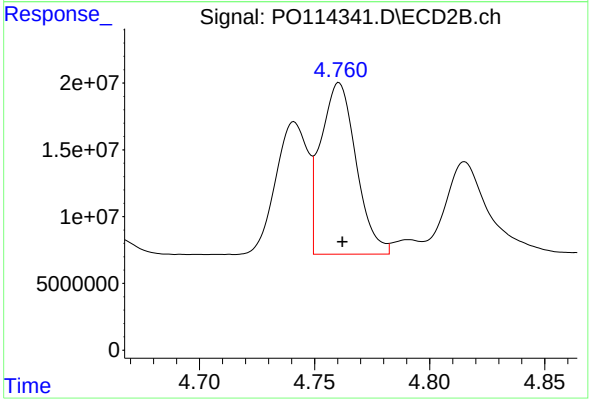
#3 AR-1016-1

R.T.: 4.741 min
Delta R.T.: -0.002 min
Response: 96288840
Conc: 571.84 ng/ml



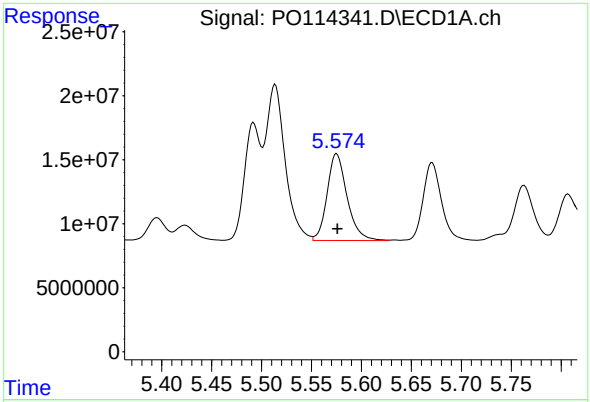
#4 AR-1016-2

R.T.: 5.514 min
Delta R.T.: 0.000 min
Response: 164778935
Conc: 541.51 ng/ml



#4 AR-1016-2

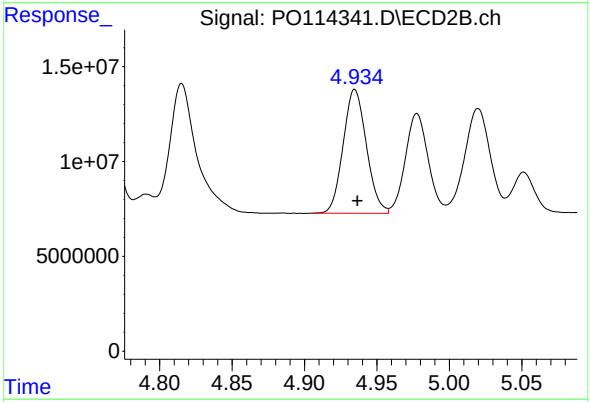
R.T.: 4.761 min
Delta R.T.: -0.001 min
Response: 137860153
Conc: 569.59 ng/ml



#5 AR-1016-3

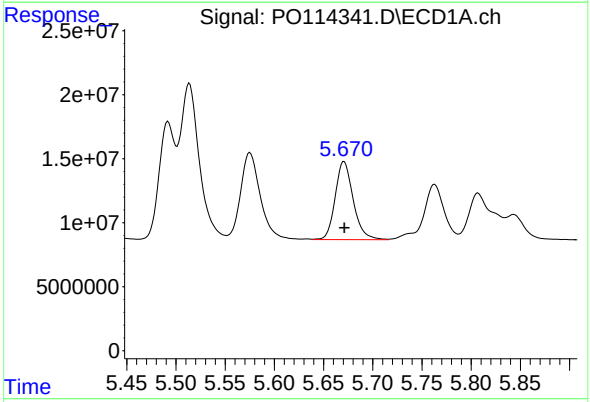
R.T.: 5.575 min
Delta R.T.: 0.000 min
Response: 94543131
Conc: 534.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925



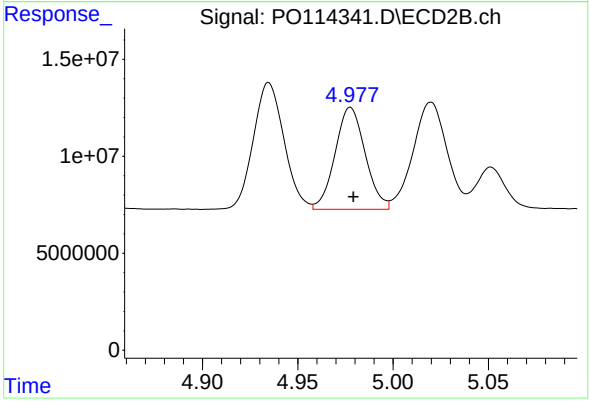
#5 AR-1016-3

R.T.: 4.935 min
Delta R.T.: -0.002 min
Response: 72943991
Conc: 587.53 ng/ml



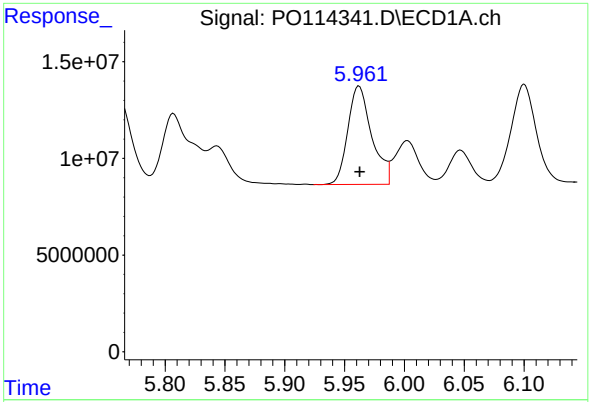
#6 AR-1016-4

R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 77904177
Conc: 566.35 ng/ml



#6 AR-1016-4

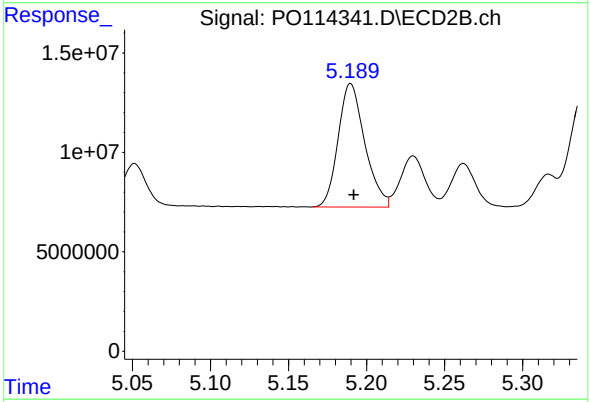
R.T.: 4.978 min
Delta R.T.: -0.002 min
Response: 57848182
Conc: 599.30 ng/ml



#7 AR-1016-5

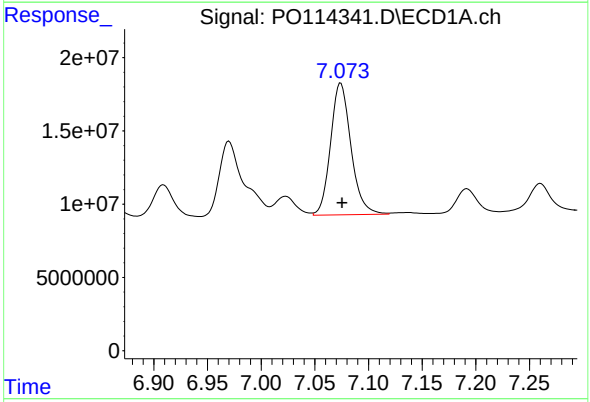
R.T.: 5.962 min
Delta R.T.: 0.000 min
Response: 70772325
Conc: 560.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925



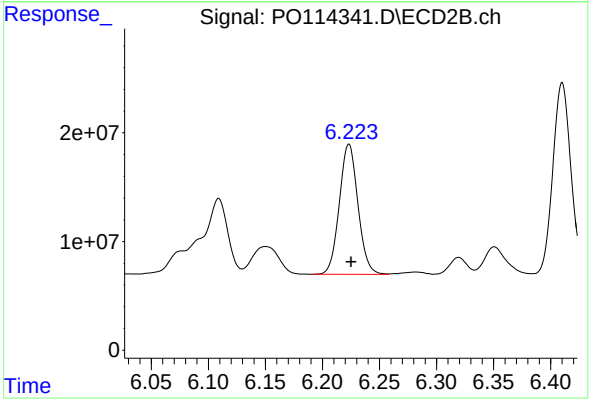
#7 AR-1016-5

R.T.: 5.190 min
Delta R.T.: -0.002 min
Response: 73749593
Conc: 576.82 ng/ml



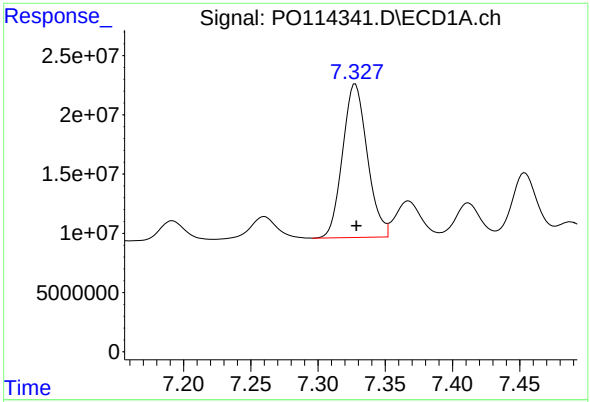
#31 AR-1260-1

R.T.: 7.074 min
Delta R.T.: -0.001 min
Response: 119224134
Conc: 547.07 ng/ml



#31 AR-1260-1

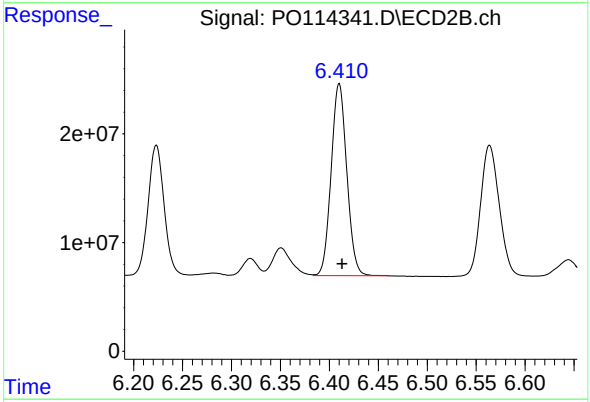
R.T.: 6.223 min
Delta R.T.: -0.002 min
Response: 136126058
Conc: 578.07 ng/ml



#32 AR-1260-2

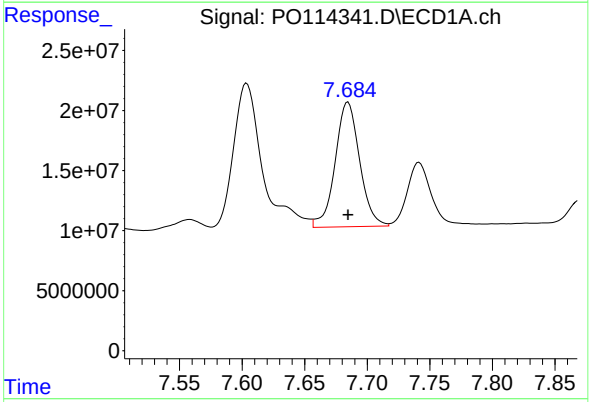
R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 165650949
Conc: 536.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925



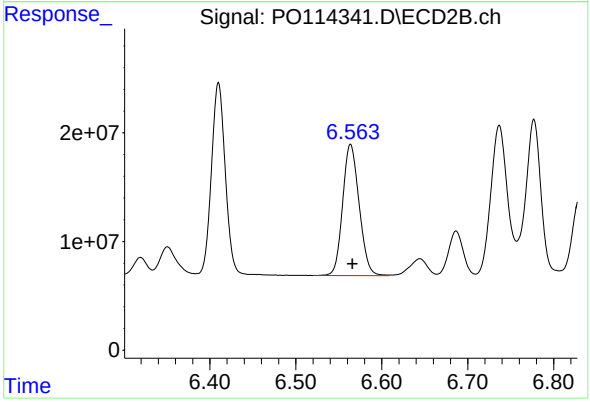
#32 AR-1260-2

R.T.: 6.410 min
Delta R.T.: -0.003 min
Response: 196454829
Conc: 587.50 ng/ml



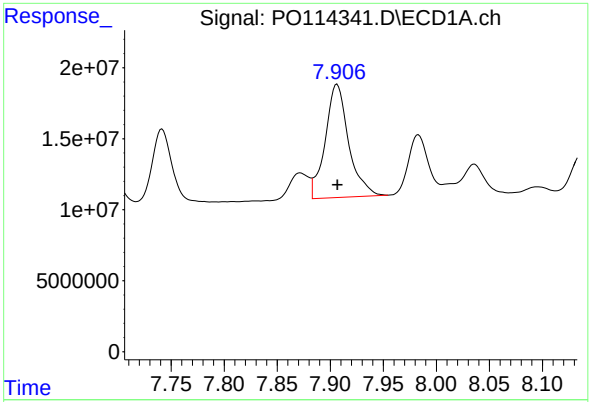
#33 AR-1260-3

R.T.: 7.685 min
Delta R.T.: 0.000 min
Response: 141500233
Conc: 551.72 ng/ml



#33 AR-1260-3

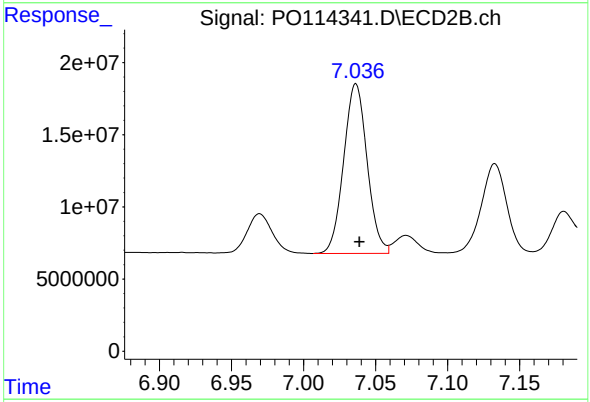
R.T.: 6.564 min
Delta R.T.: -0.002 min
Response: 161232729
Conc: 546.66 ng/ml



#34 AR-1260-4

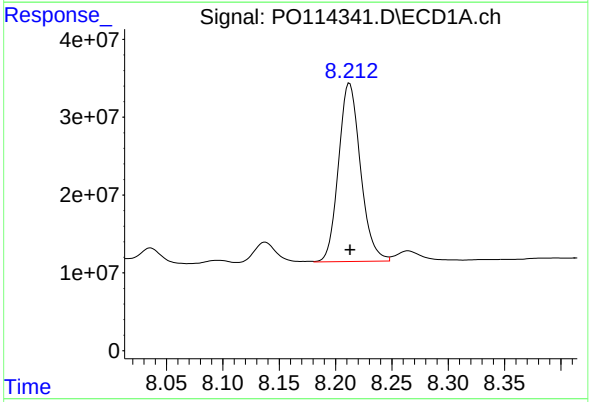
R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 122624107
Conc: 526.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925



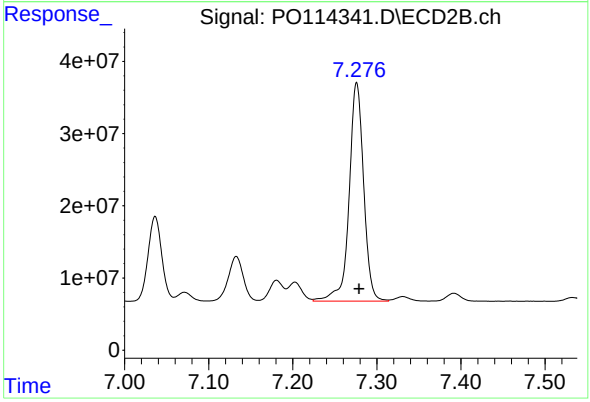
#34 AR-1260-4

R.T.: 7.036 min
Delta R.T.: -0.002 min
Response: 133254746
Conc: 597.80 ng/ml



#35 AR-1260-5

R.T.: 8.212 min
Delta R.T.: 0.000 min
Response: 311020347
Conc: 536.09 ng/ml



#35 AR-1260-5

R.T.: 7.276 min
Delta R.T.: -0.003 min
Response: 364026216
Conc: 593.88 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 23:24
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 06:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:27:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.356	3.659	330.2E6	242.7E6	56.930	55.288
2)	SA Decachlor...	9.933	8.668	209.0E6	210.1E6	55.194	56.583
	Target Compounds						
16)	L4 AR-1242-1	5.493	4.742	74855956	73484854	568.971	562.616
17)	L4 AR-1242-2	5.515	4.761	125.5E6	104.9E6	571.646	561.446
18)	L4 AR-1242-3	5.577	4.935	70973901	55495611	575.481	579.865
19)	L4 AR-1242-4	5.672	5.020	60470740	52334489	589.415	566.736
20)	L4 AR-1242-5	6.397	5.541	61512975	70272464	531.045	573.369

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

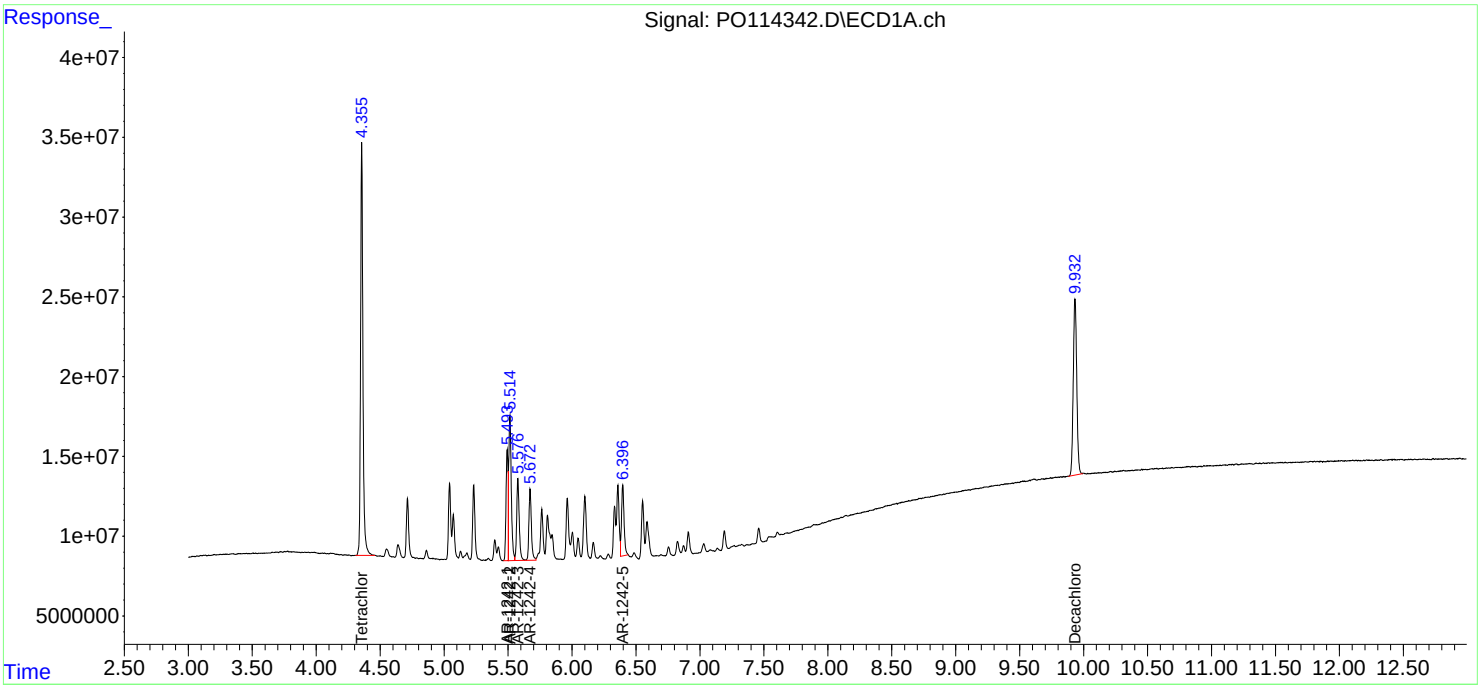
ICAL Form

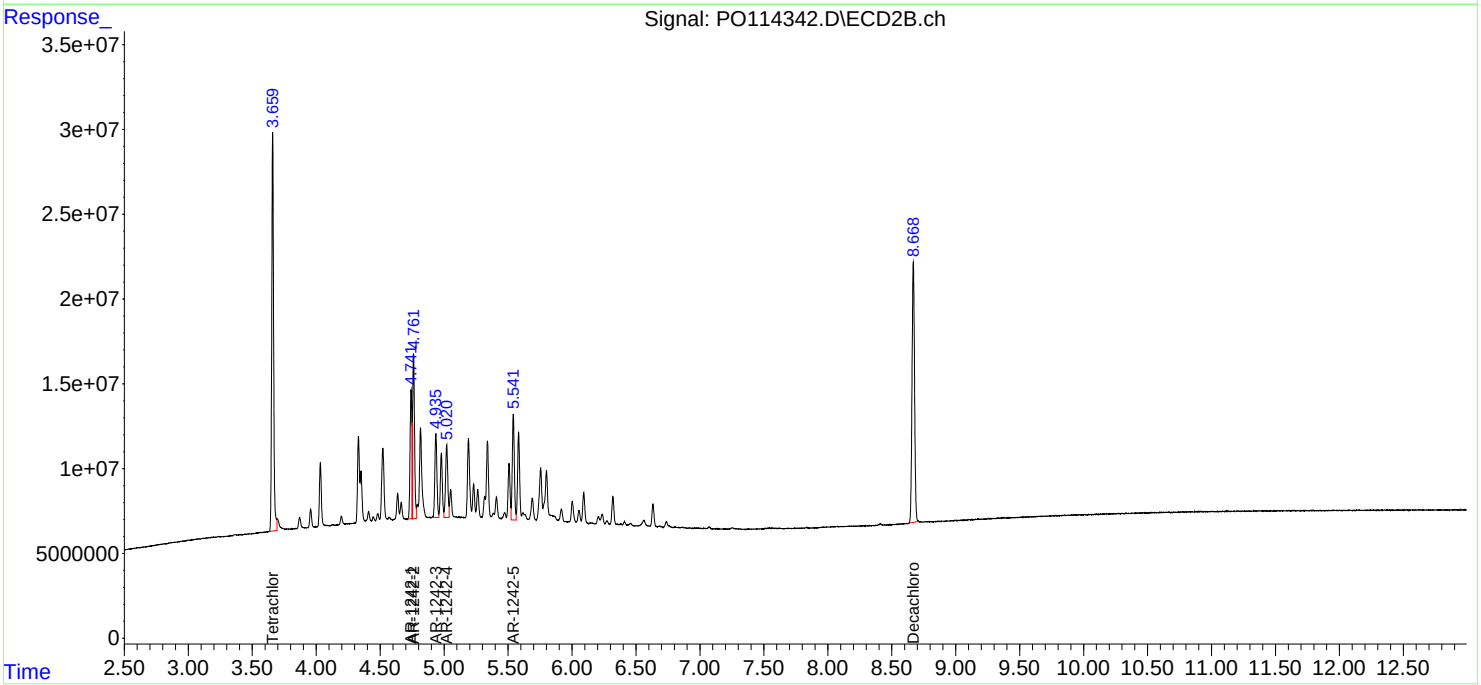
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 23:24
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

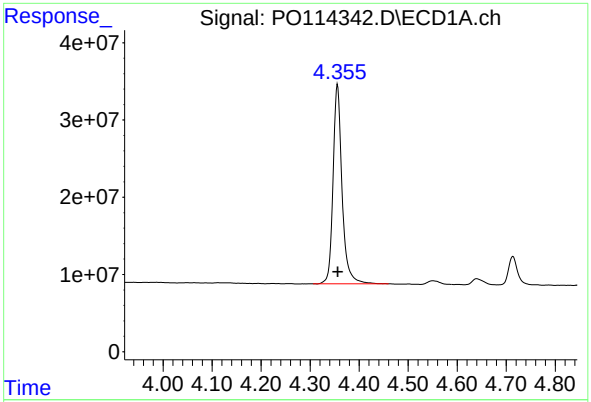
Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 06:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:27:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



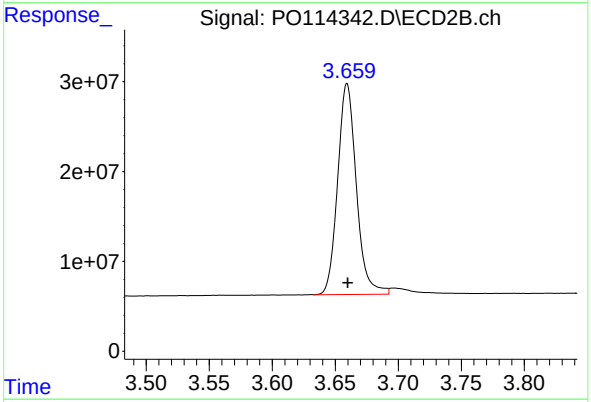




#1 Tetrachloro-m-xylene

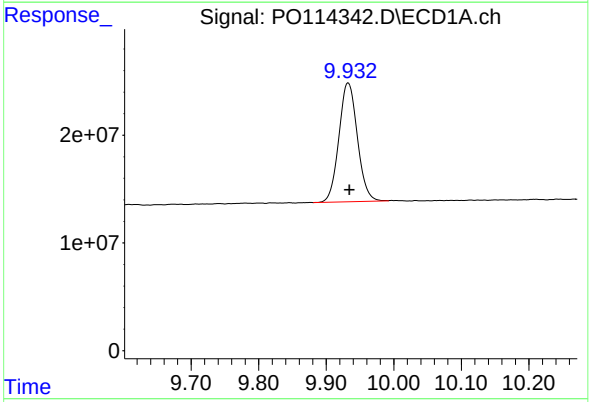
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 330165981
Conc: 56.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1242



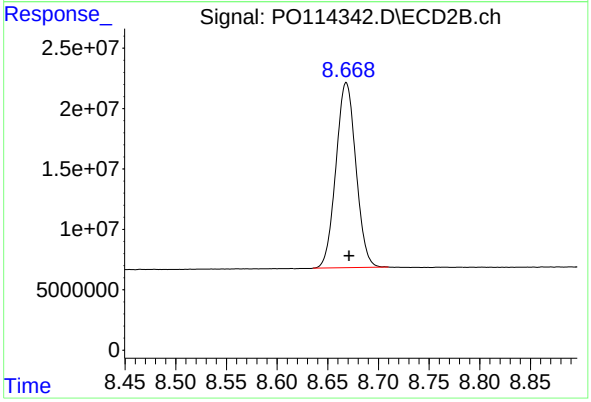
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 242654687
Conc: 55.29 ng/ml



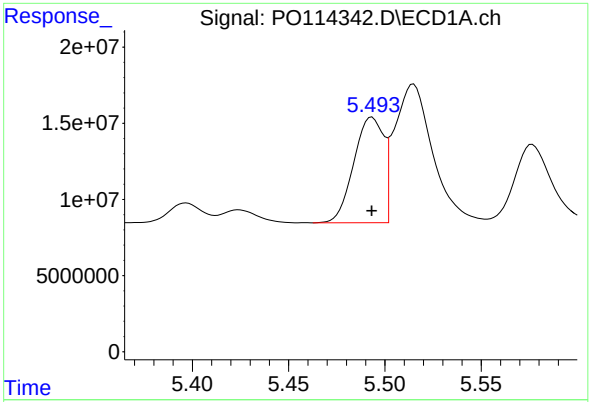
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: -0.001 min
Response: 208991488
Conc: 55.19 ng/ml



#2 Decachlorobiphenyl

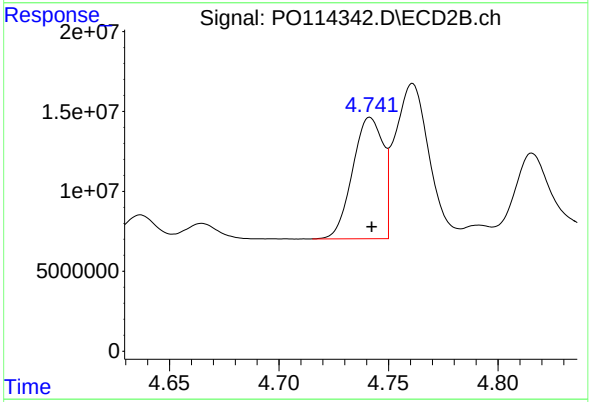
R.T.: 8.668 min
Delta R.T.: -0.003 min
Response: 210139489
Conc: 56.58 ng/ml



#16 AR-1242-1

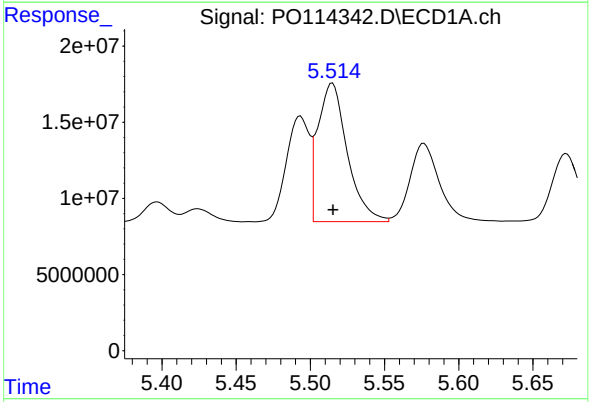
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 74855956
Conc: 568.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1242



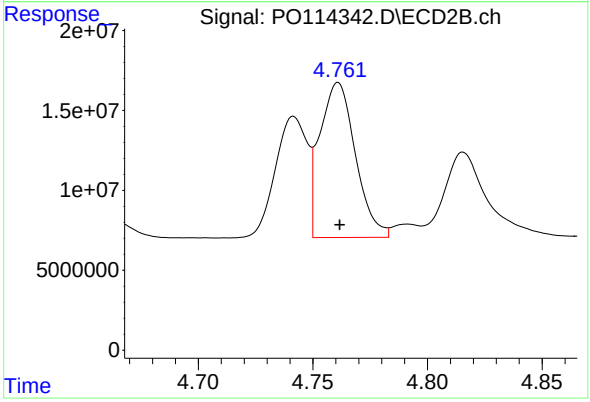
#16 AR-1242-1

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 73484854
Conc: 562.62 ng/ml



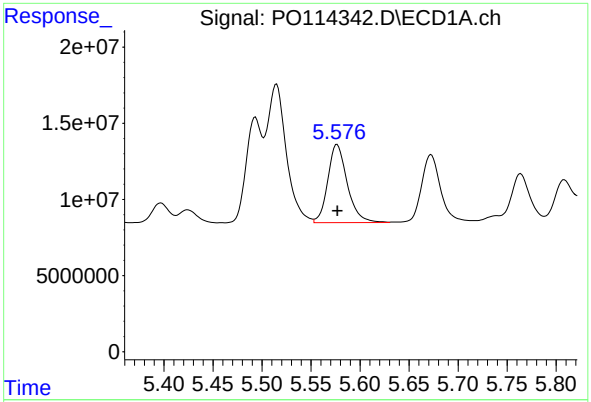
#17 AR-1242-2

R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 125506106
Conc: 571.65 ng/ml



#17 AR-1242-2

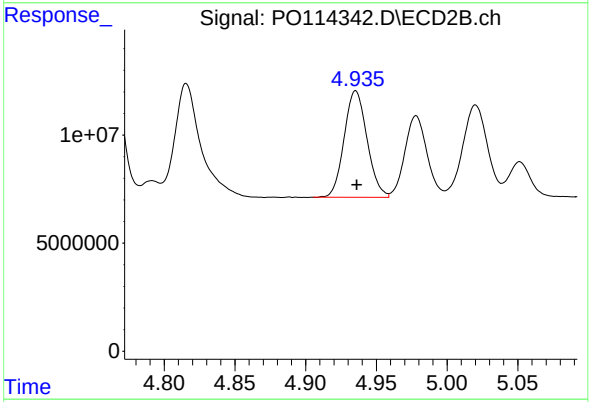
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 104870843
Conc: 561.45 ng/ml



#18 AR-1242-3

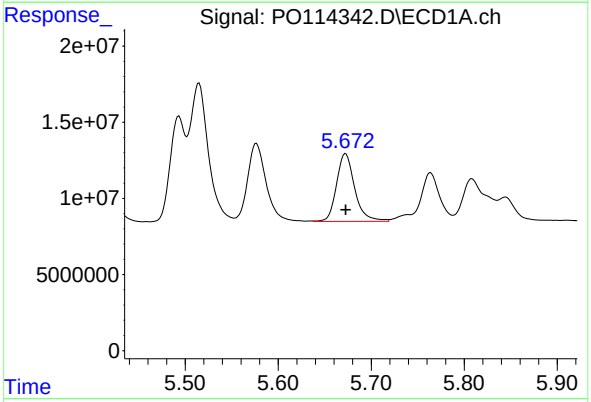
R.T.: 5.577 min
Delta R.T.: 0.000 min
Response: 70973901
Conc: 575.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1242



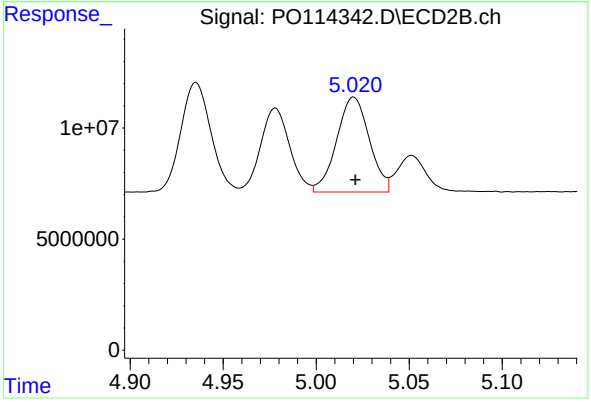
#18 AR-1242-3

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 55495611
Conc: 579.87 ng/ml



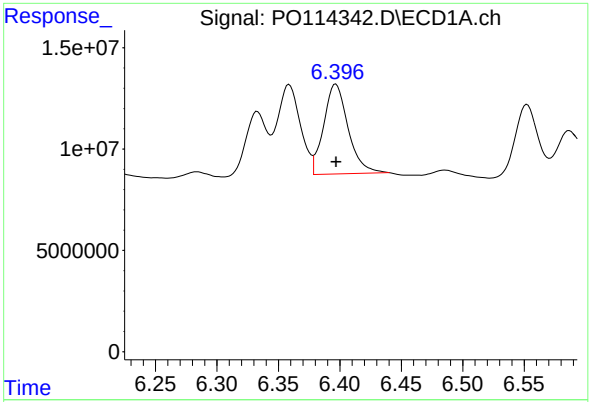
#19 AR-1242-4

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 60470740
Conc: 589.42 ng/ml



#19 AR-1242-4

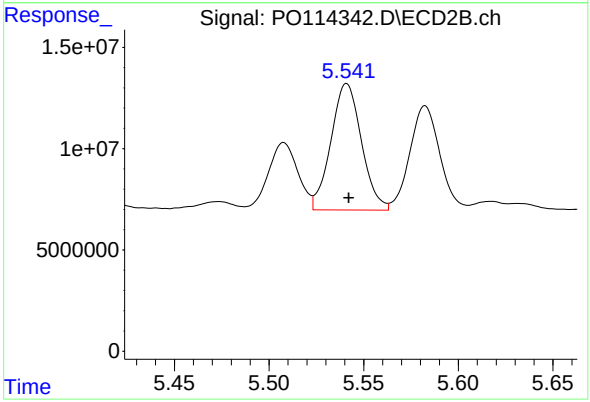
R.T.: 5.020 min
Delta R.T.: -0.001 min
Response: 52334489
Conc: 566.74 ng/ml



#20 AR-1242-5

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 61512975
Conc: 531.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1242



#20 AR-1242-5

R.T.: 5.541 min
Delta R.T.: -0.001 min
Response: 70272464
Conc: 573.37 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 00:01
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 06:25:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:23:10 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...	4.355	3.659	323.0E6	243.1E6	54.897	53.920
2)	SA Decachlor...	9.932	8.668	207.6E6	205.8E6	54.042	53.319
	Target Compounds						
21)	L5 AR-1248-1	5.493	4.741	55117834	54823501	560.378	556.610
22)	L5 AR-1248-2	5.763	4.977	79979285	73013380	557.096	544.657
23)	L5 AR-1248-3	5.963	5.019	87657260	75935860	551.958	544.180
24)	L5 AR-1248-4	6.358	5.190	103.9E6	89692398	530.899	545.693
25)	L5 AR-1248-5	6.397	5.583	100.3E6	92535596	501.102	545.680

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

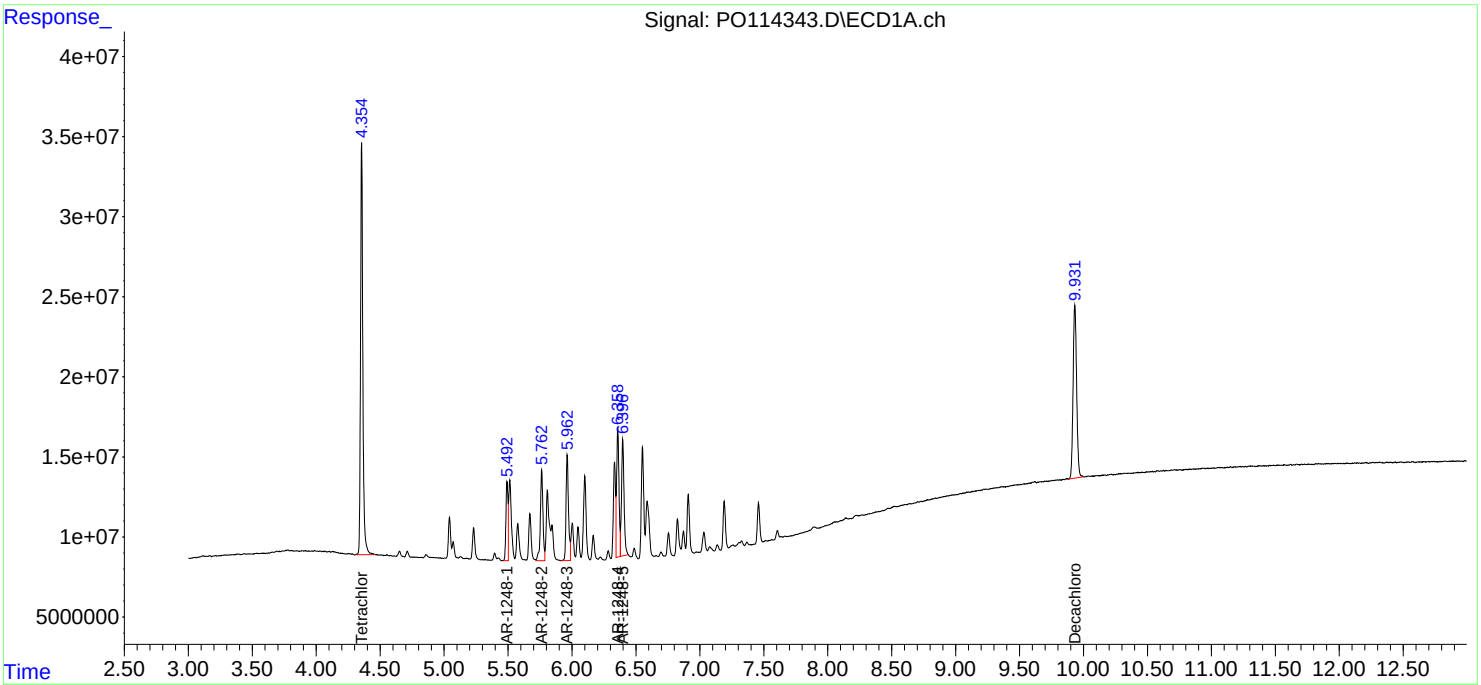
ICAL Form

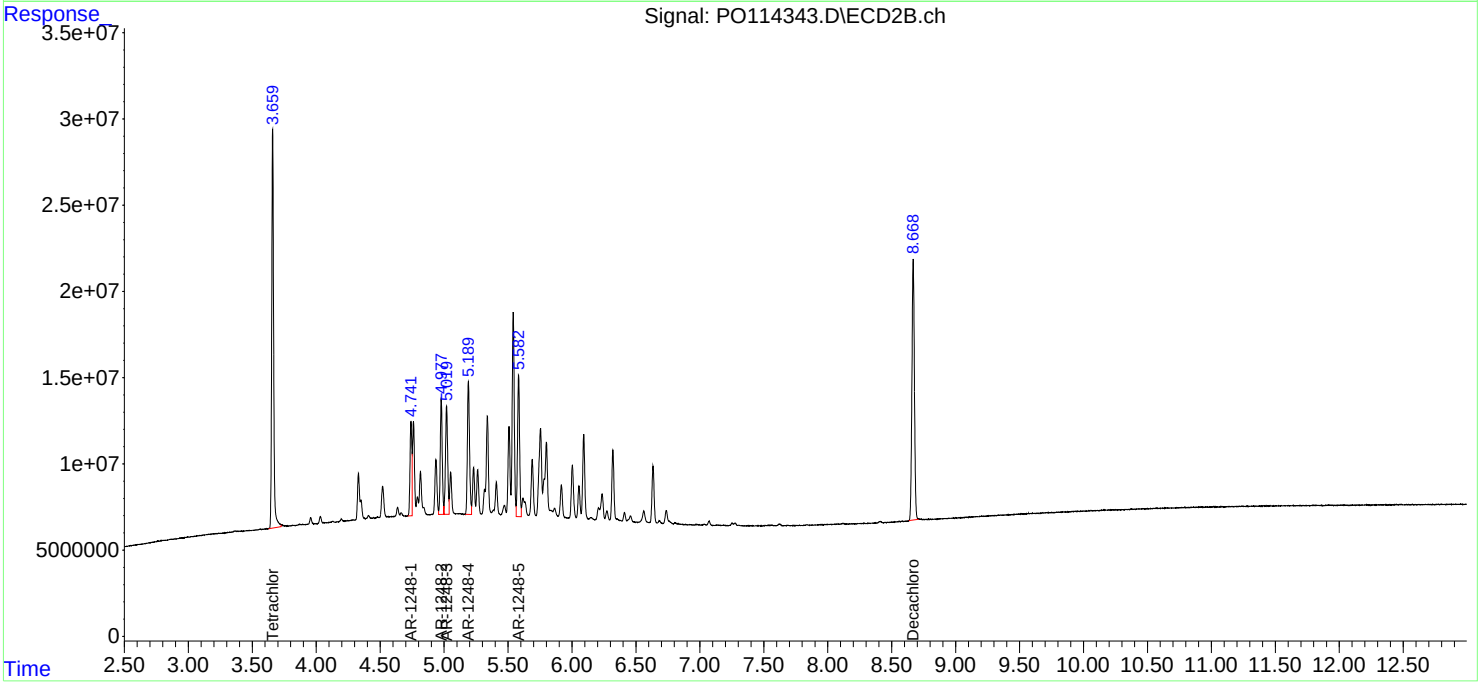
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 00:01
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

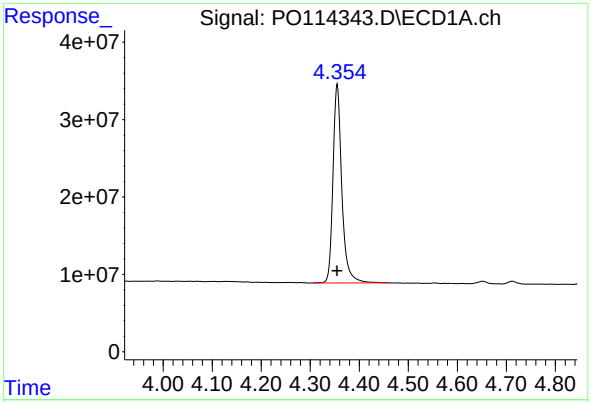
Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 06:25:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:23:10 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



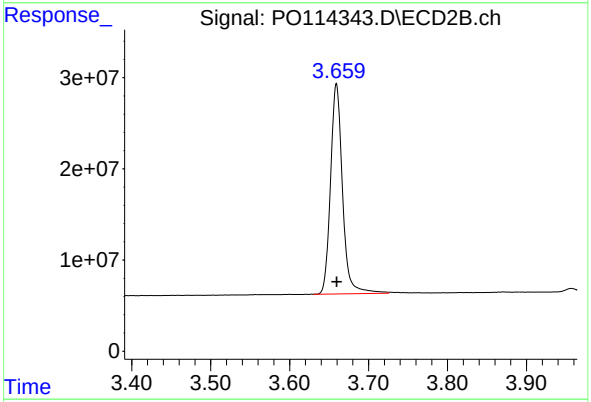




#1 Tetrachloro-m-xylene

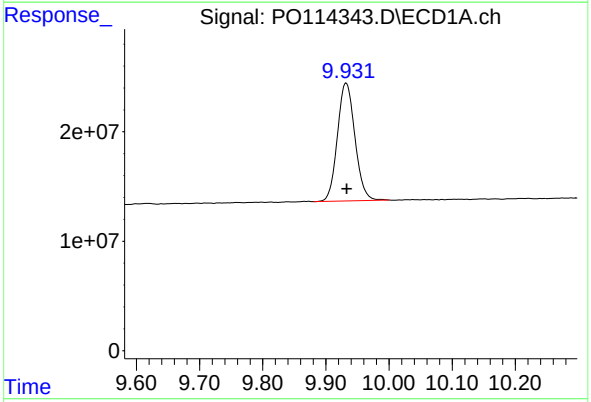
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 323038647
Conc: 54.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1248



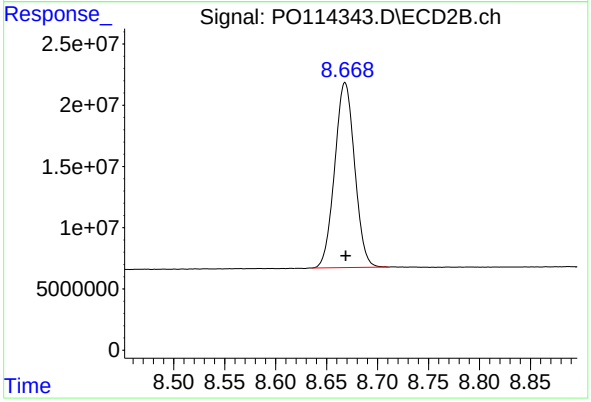
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 243078053
Conc: 53.92 ng/ml



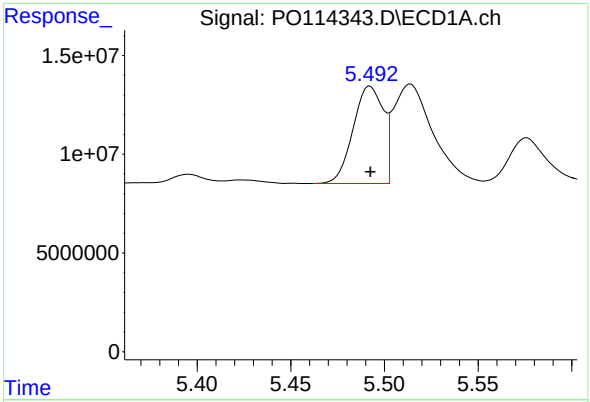
#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: -0.001 min
Response: 207634181
Conc: 54.04 ng/ml



#2 Decachlorobiphenyl

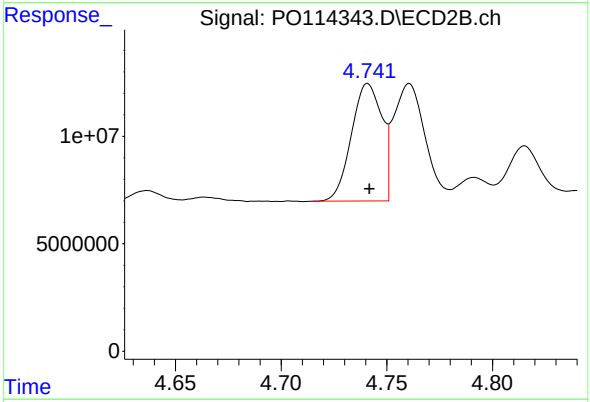
R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 205750835
Conc: 53.32 ng/ml



#21 AR-1248-1

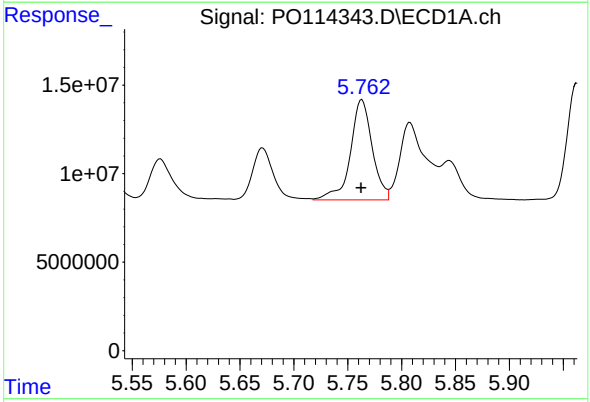
R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 55117834
Conc: 560.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1248



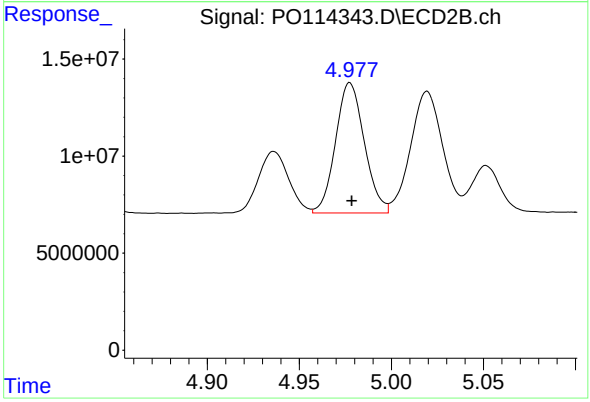
#21 AR-1248-1

R.T.: 4.741 min
Delta R.T.: 0.000 min
Response: 54823501
Conc: 556.61 ng/ml



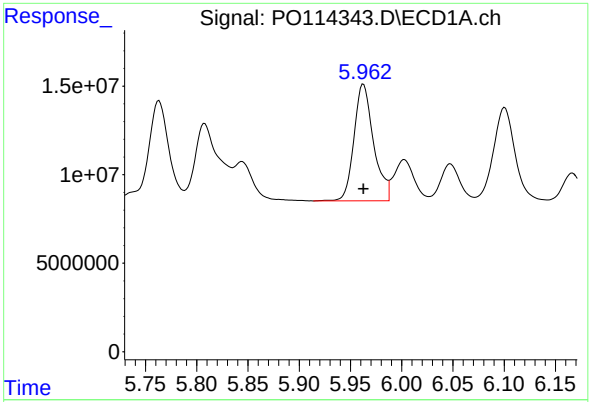
#22 AR-1248-2

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 79979285
Conc: 557.10 ng/ml



#22 AR-1248-2

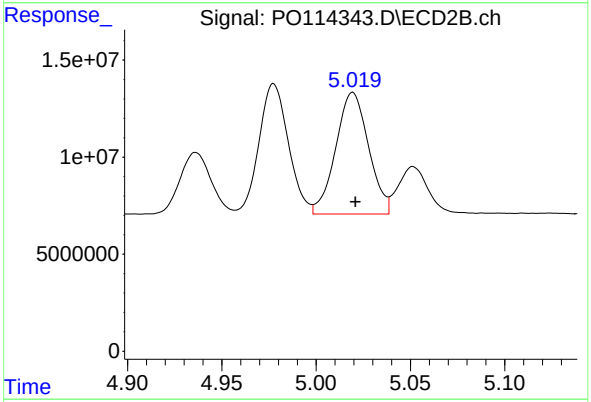
R.T.: 4.977 min
Delta R.T.: -0.001 min
Response: 73013380
Conc: 544.66 ng/ml



#23 AR-1248-3

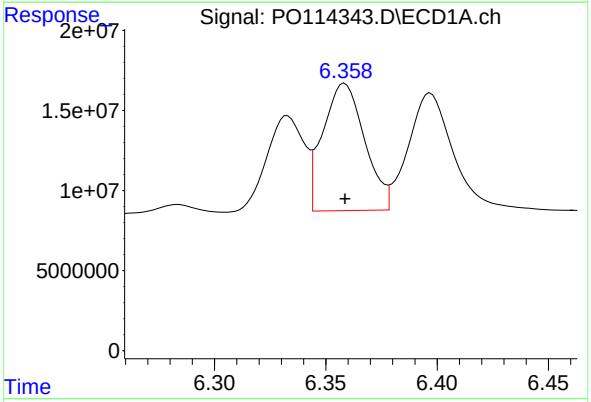
R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 87657260
Conc: 551.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1248



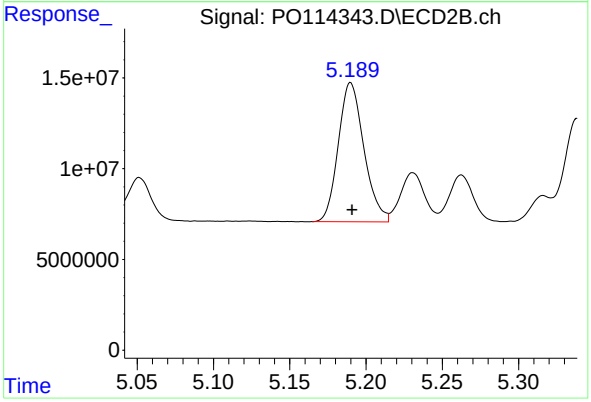
#23 AR-1248-3

R.T.: 5.019 min
Delta R.T.: -0.001 min
Response: 75935860
Conc: 544.18 ng/ml



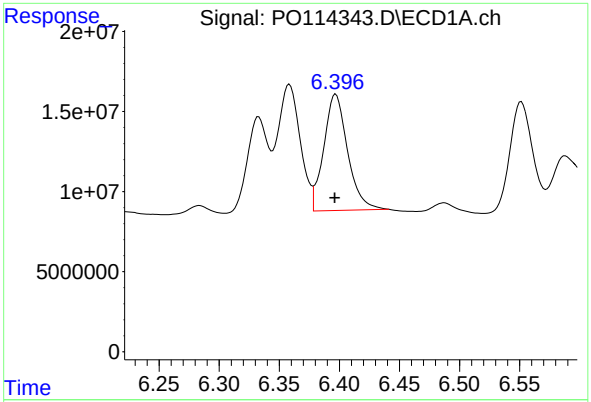
#24 AR-1248-4

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 103944826
Conc: 530.90 ng/ml



#24 AR-1248-4

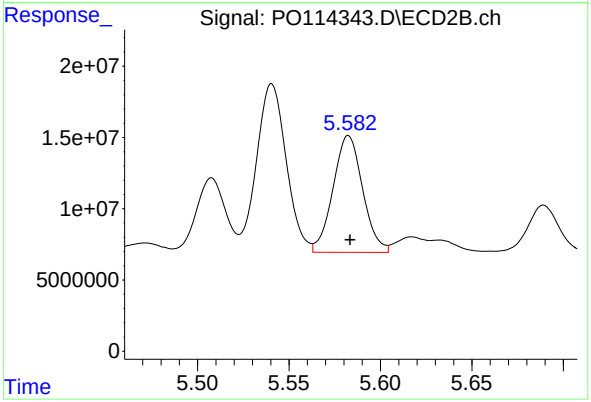
R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 89692398
Conc: 545.69 ng/ml



#25 AR-1248-5

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 100317730
Conc: 501.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1248



#25 AR-1248-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 92535596
Conc: 545.68 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 00:38
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 06:34:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:32:59 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...	4.357	3.659	314.3E6	241.0E6	53.965	54.148
2)	SA Decachlor...	9.933	8.668	205.4E6	202.3E6	54.240	53.024
	Target Compounds						
26)	L6 AR-1254-1	6.336	5.542	95733432	143.0E6	548.762	538.035
27)	L6 AR-1254-2	6.552	5.689	140.9E6	127.1E6	553.115	533.511
28)	L6 AR-1254-3	6.911	6.092	156.5E6	193.5E6	541.767	545.888
29)	L6 AR-1254-4	7.192	6.320	131.2E6	140.9E6	554.609	545.891
30)	L6 AR-1254-5	7.607	6.738	121.7E6	175.5E6	554.705	548.175

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

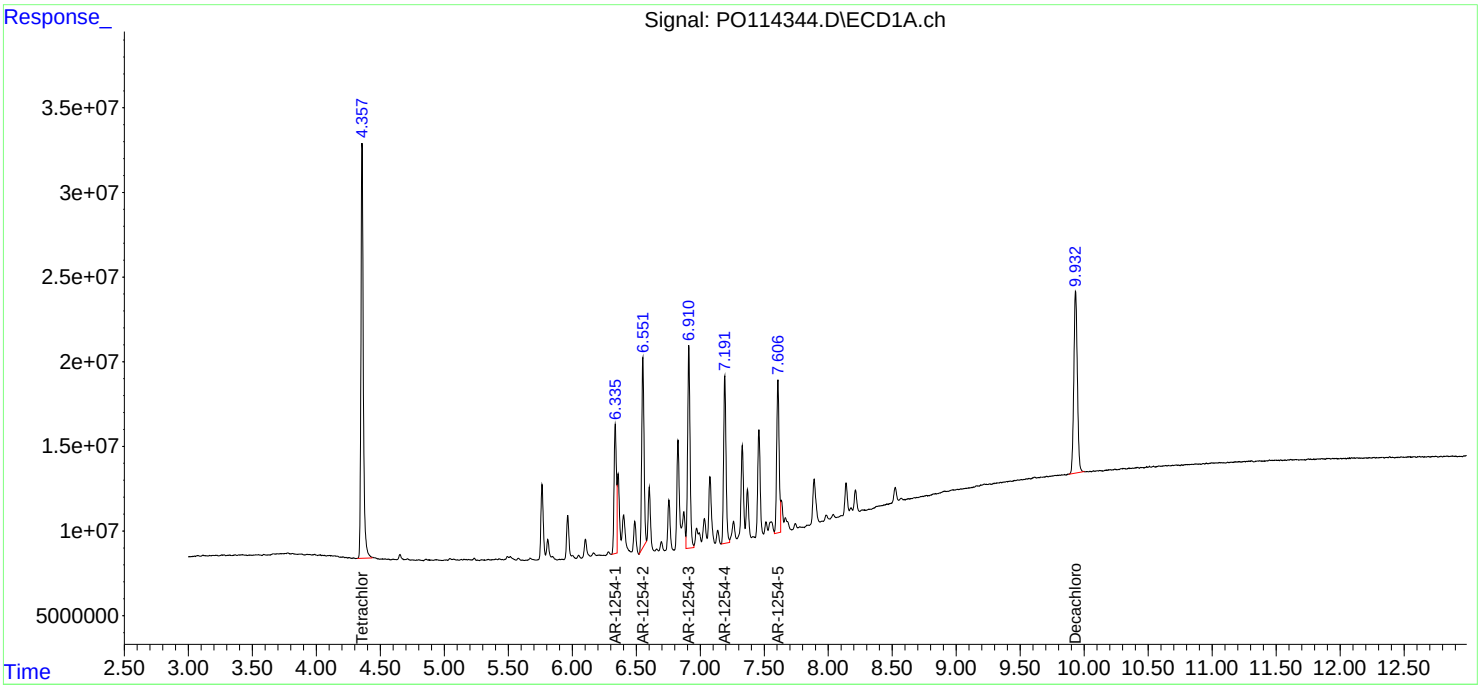
ICAL Form

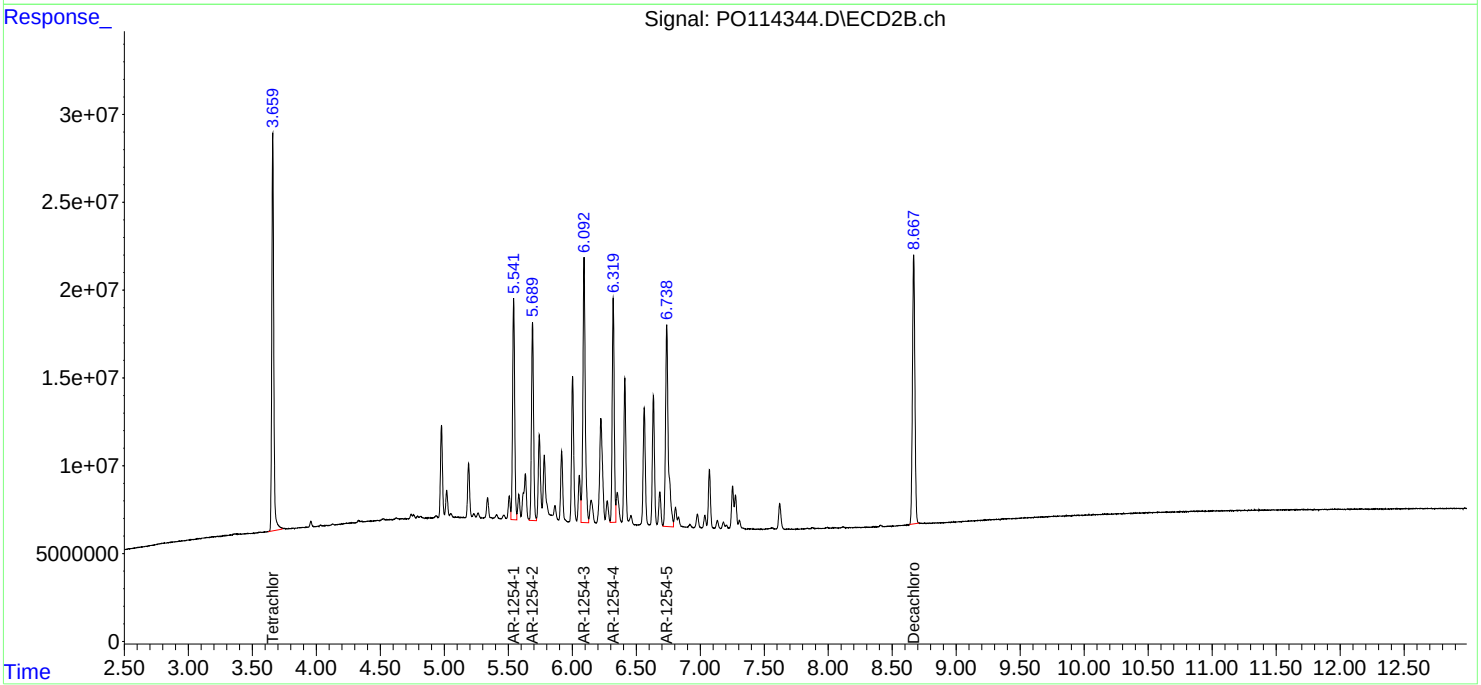
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 00:38
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

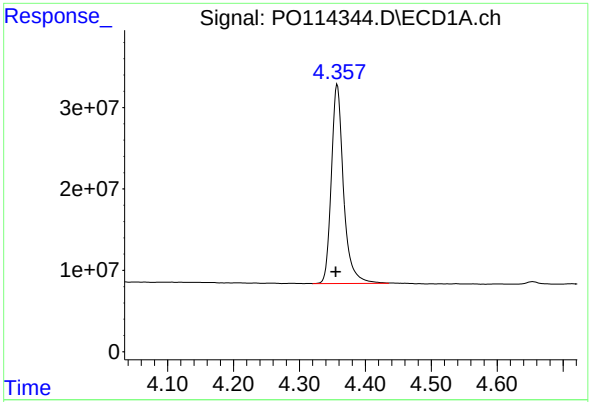
Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 06:34:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:32:59 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



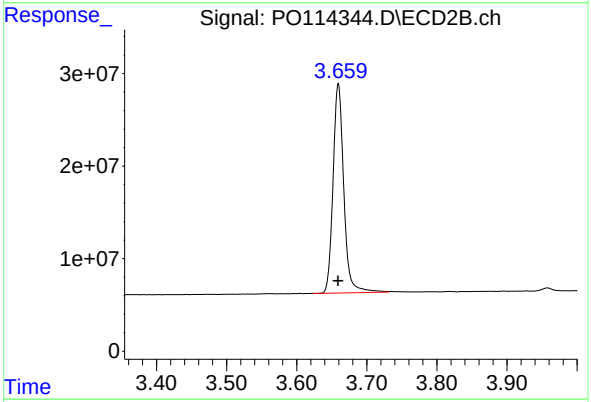




#1 Tetrachloro-m-xylene

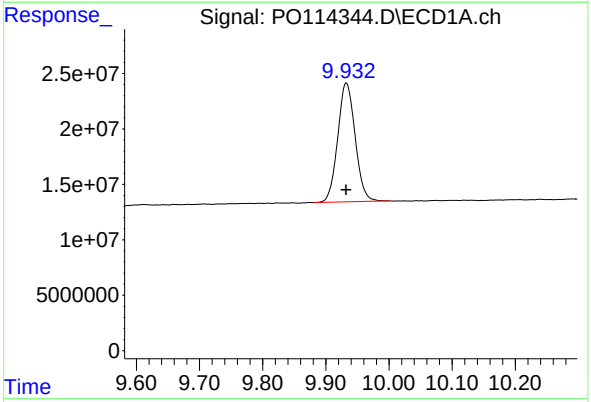
R.T.: 4.357 min
Delta R.T.: 0.002 min
Response: 314337262
Conc: 53.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1254



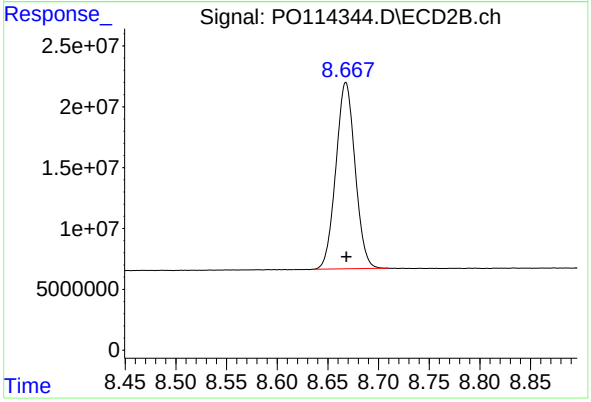
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 240957612
Conc: 54.15 ng/ml



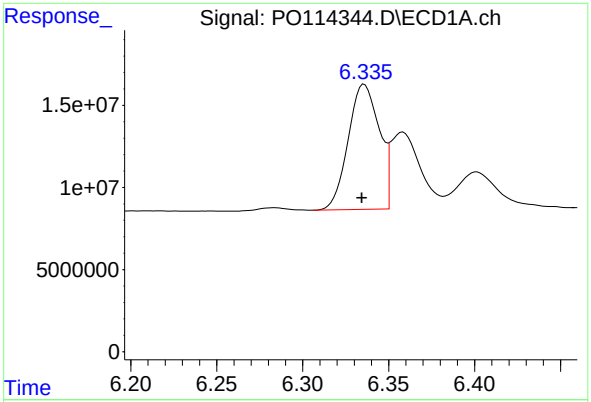
#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 205440748
Conc: 54.24 ng/ml



#2 Decachlorobiphenyl

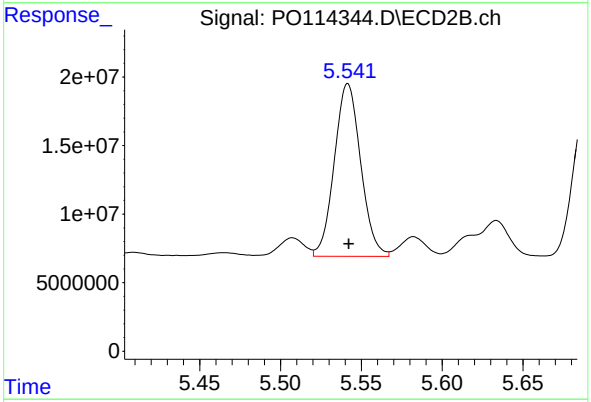
R.T.: 8.668 min
Delta R.T.: 0.000 min
Response: 202319037
Conc: 53.02 ng/ml



#26 AR-1254-1

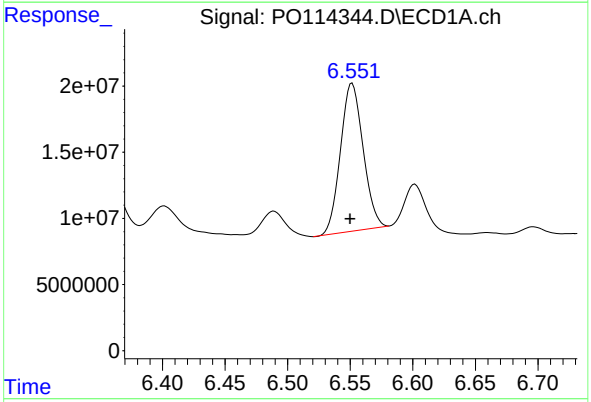
R.T.: 6.336 min
Delta R.T.: 0.002 min
Response: 95733432
Conc: 548.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1254



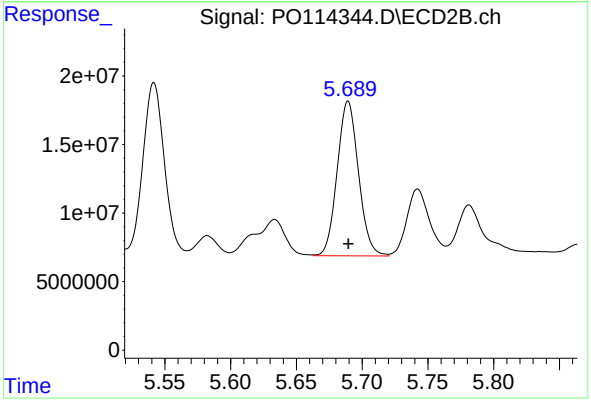
#26 AR-1254-1

R.T.: 5.542 min
Delta R.T.: 0.000 min
Response: 142952833
Conc: 538.04 ng/ml



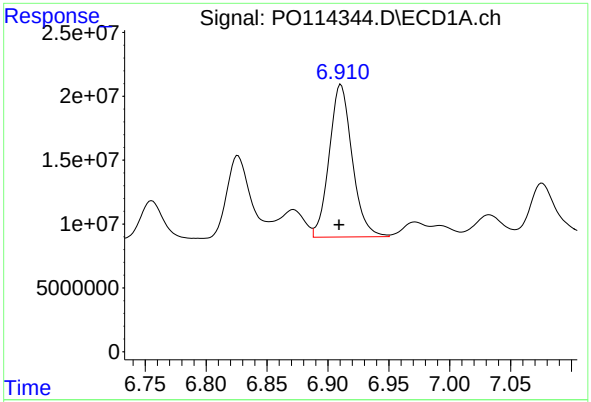
#27 AR-1254-2

R.T.: 6.552 min
Delta R.T.: 0.002 min
Response: 140881990
Conc: 553.11 ng/ml



#27 AR-1254-2

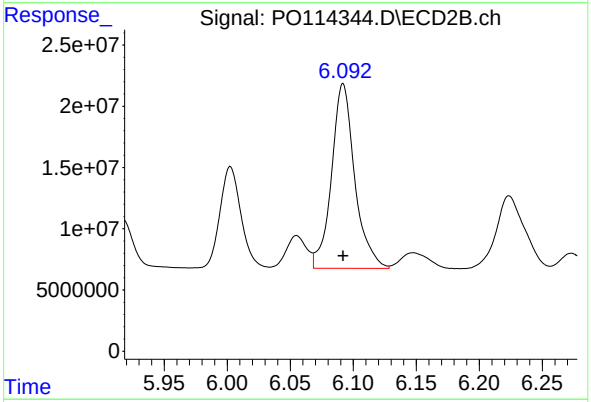
R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 127099389
Conc: 533.51 ng/ml



#28 AR-1254-3

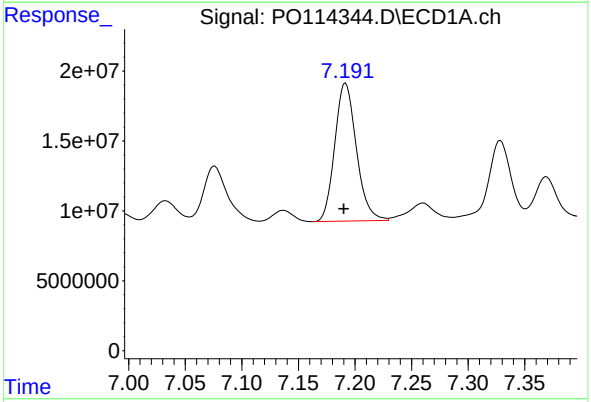
R.T.: 6.911 min
Delta R.T.: 0.001 min
Response: 156538386
Conc: 541.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1254



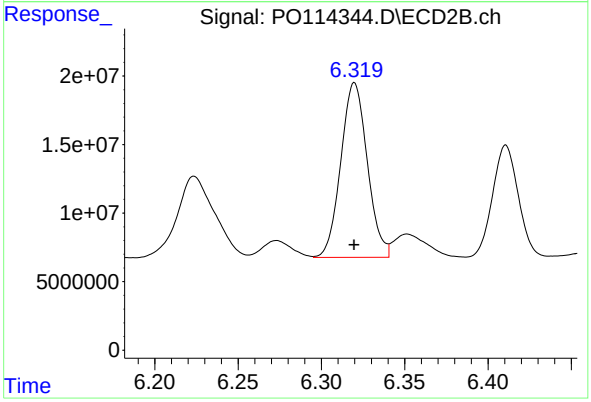
#28 AR-1254-3

R.T.: 6.092 min
Delta R.T.: 0.000 min
Response: 193466821
Conc: 545.89 ng/ml



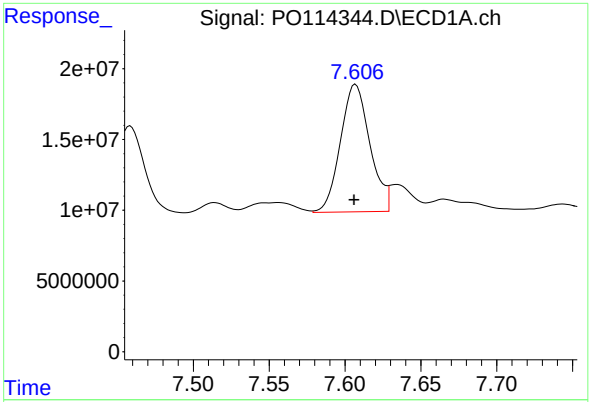
#29 AR-1254-4

R.T.: 7.192 min
Delta R.T.: 0.002 min
Response: 131246064
Conc: 554.61 ng/ml



#29 AR-1254-4

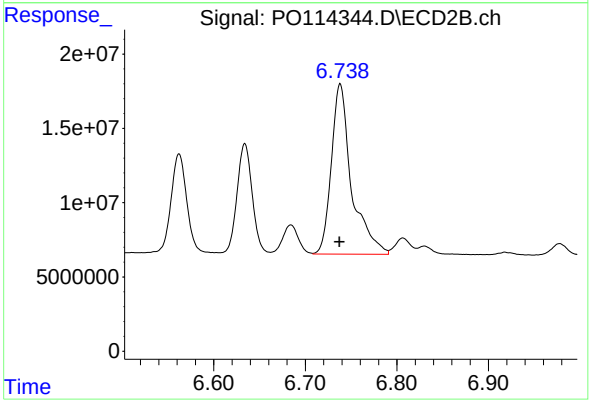
R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 140925293
Conc: 545.89 ng/ml



#30 AR-1254-5

R.T.: 7.607 min
Delta R.T.: 0.001 min
Response: 121744321
Conc: 554.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1254



#30 AR-1254-5

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 175527571
Conc: 548.17 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 01:14
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:52:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:51:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.355	3.659	331.2E6	248.4E6	53.667	52.840
2)	SA Decachlor...	9.931	8.669	379.9E6	358.2E6	53.869	50.737
	Target Compounds						
41)	L9 AR-1268-1	8.512	7.563	393.2E6	423.9E6	536.591	518.115
42)	L9 AR-1268-2	8.601	7.627	334.7E6	356.6E6	538.610	519.303
43)	L9 AR-1268-3	8.821	7.837	306.9E6	305.3E6	536.332	517.128
44)	L9 AR-1268-4	9.217	8.118	131.0E6	123.8E6	530.325	517.544
45)	L9 AR-1268-5	9.610	8.411	902.6E6	835.5E6	526.634	512.611

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

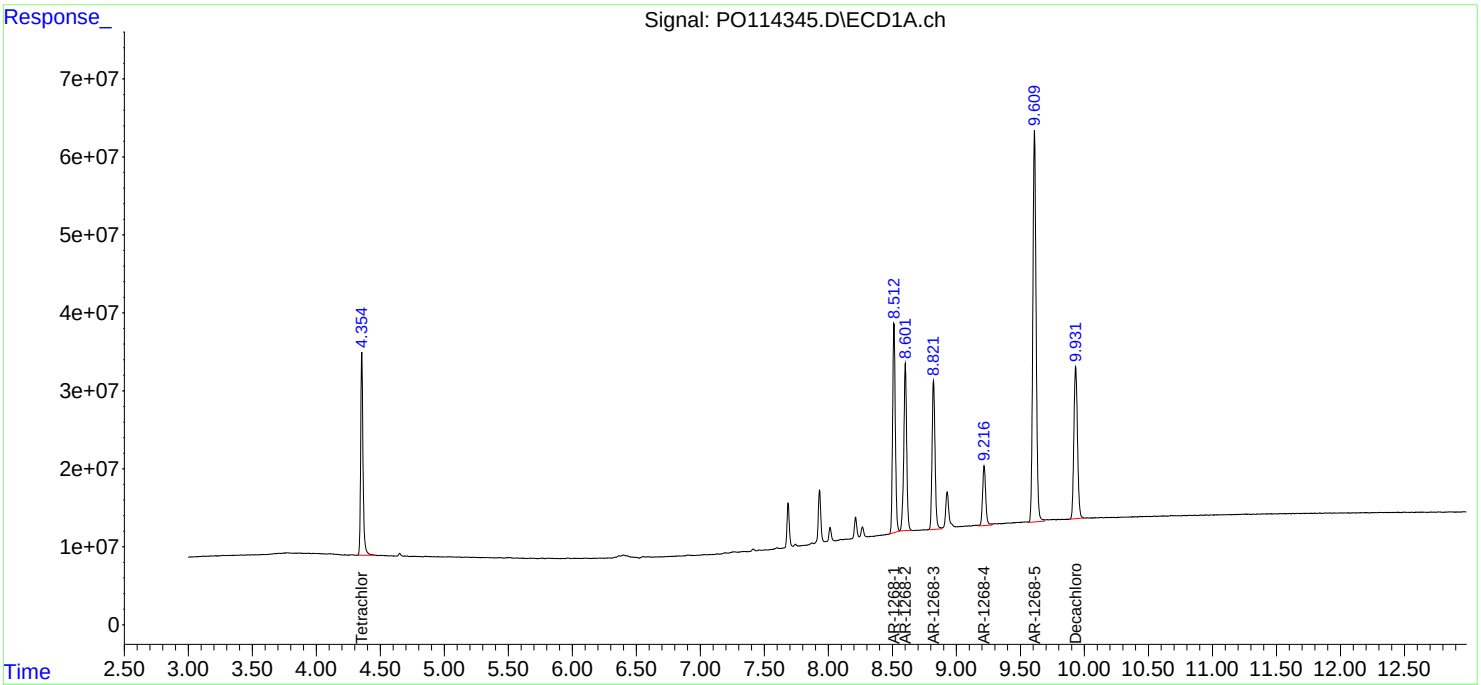
ICAL Form

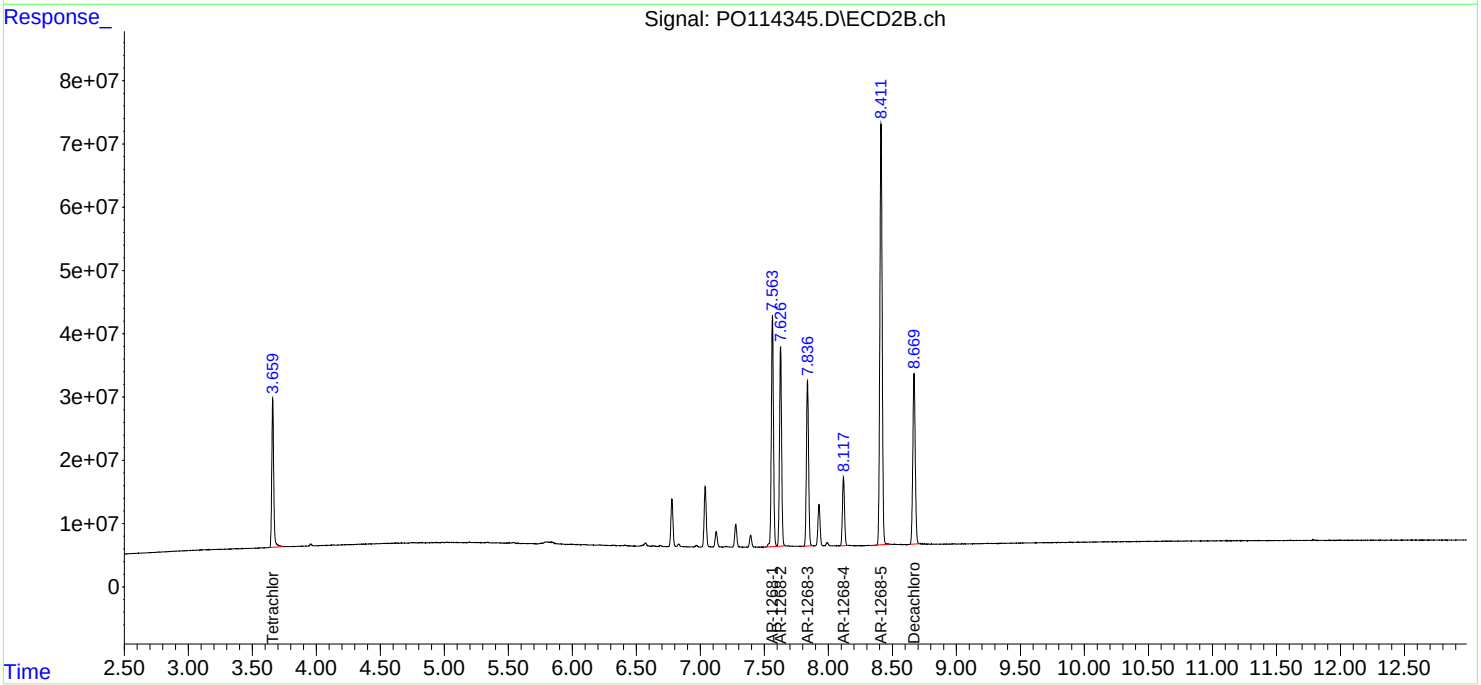
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 01:14
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

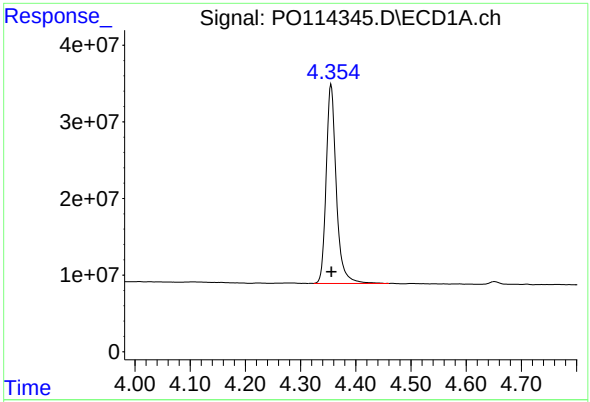
Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 04:52:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 04:51:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



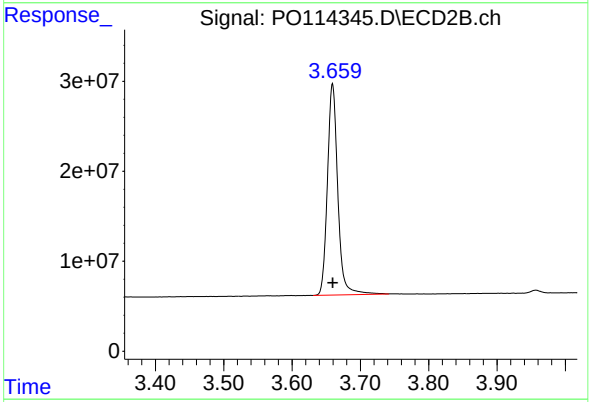




#1 Tetrachloro-m-xylene

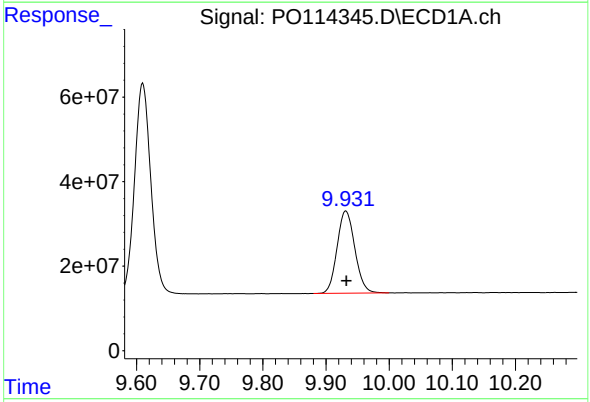
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 331220342
Conc: 53.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1268



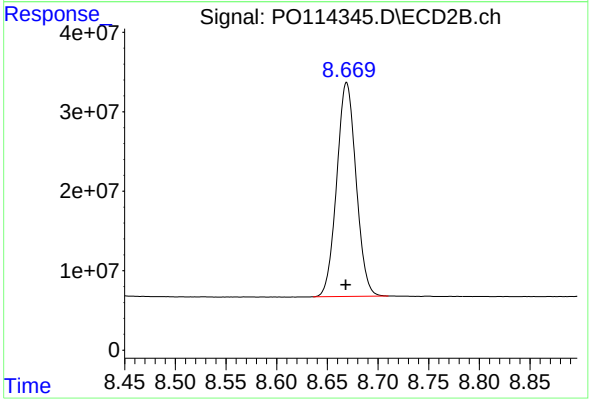
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 248406326
Conc: 52.84 ng/ml



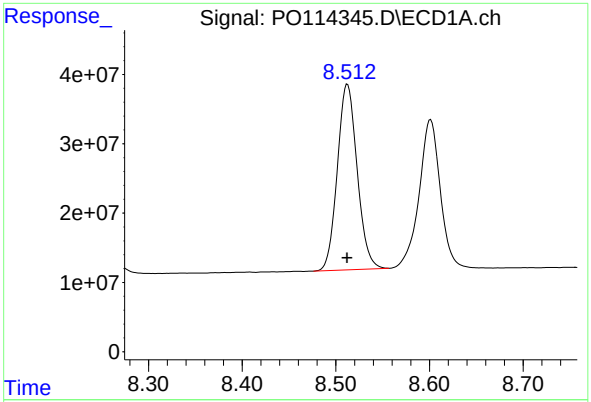
#2 Decachlorobiphenyl

R.T.: 9.931 min
Delta R.T.: -0.001 min
Response: 379908036
Conc: 53.87 ng/ml



#2 Decachlorobiphenyl

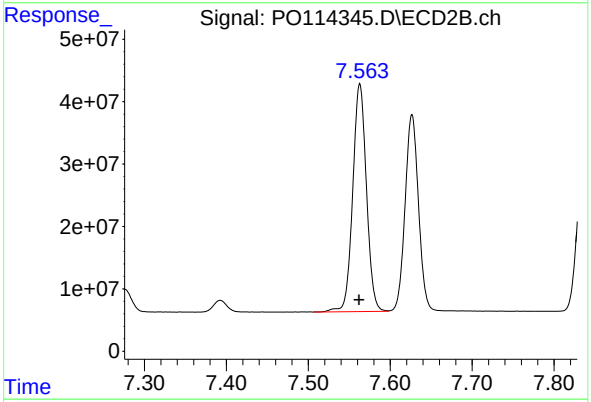
R.T.: 8.669 min
Delta R.T.: 0.001 min
Response: 358205285
Conc: 50.74 ng/ml



#41 AR-1268-1

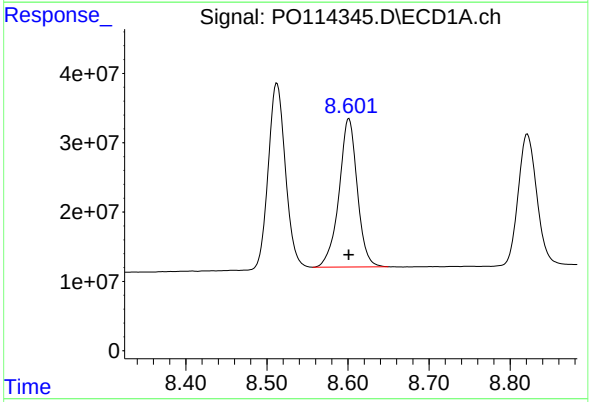
R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 393220706
Conc: 536.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1268



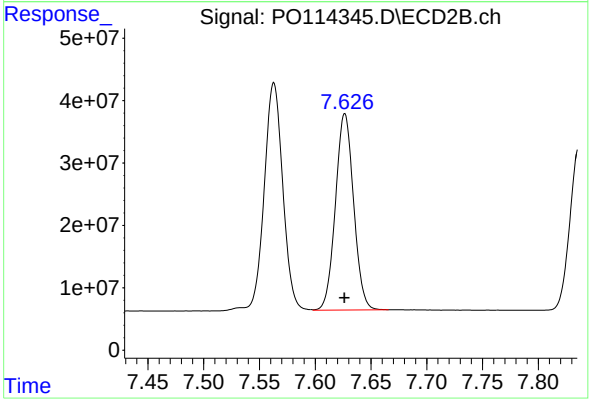
#41 AR-1268-1

R.T.: 7.563 min
Delta R.T.: 0.000 min
Response: 423896138
Conc: 518.11 ng/ml



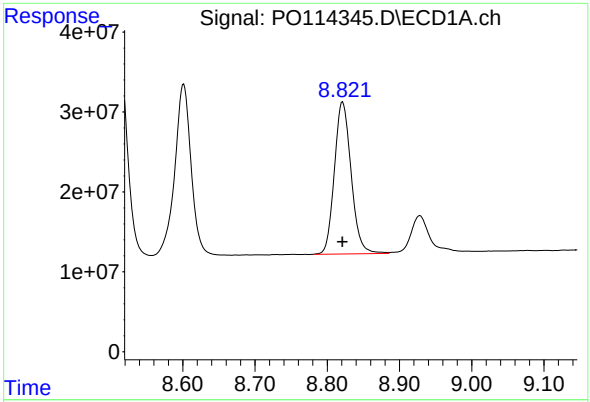
#42 AR-1268-2

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 334747804
Conc: 538.61 ng/ml



#42 AR-1268-2

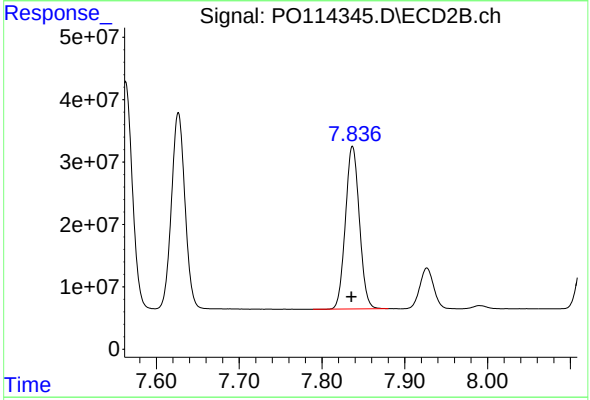
R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 356632460
Conc: 519.30 ng/ml



#43 AR-1268-3

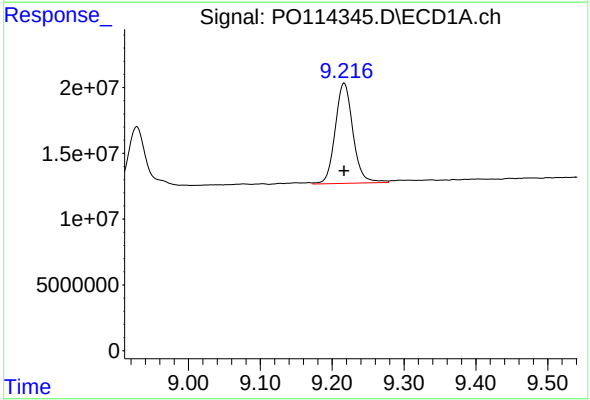
R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 306864864
Conc: 536.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1268



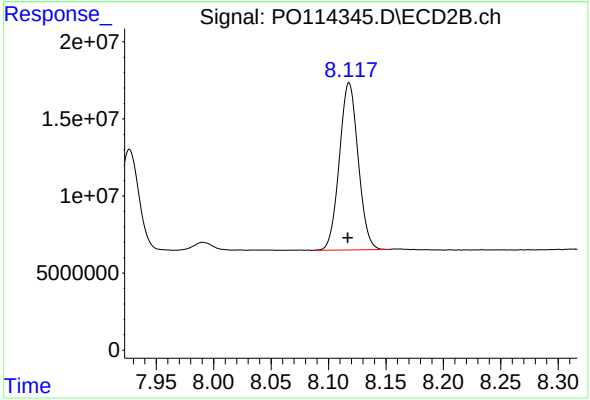
#43 AR-1268-3

R.T.: 7.837 min
Delta R.T.: 0.001 min
Response: 305316324
Conc: 517.13 ng/ml



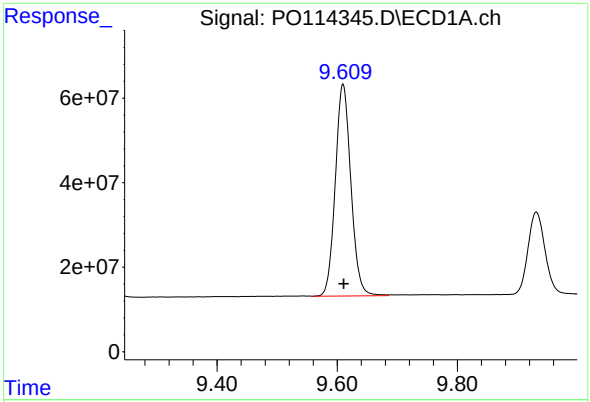
#44 AR-1268-4

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 131012237
Conc: 530.33 ng/ml



#44 AR-1268-4

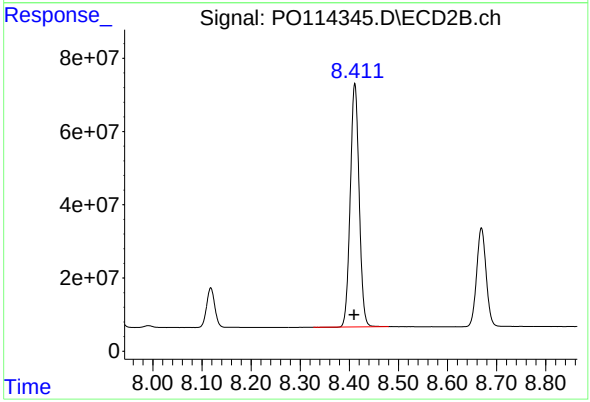
R.T.: 8.118 min
Delta R.T.: 0.001 min
Response: 123808824
Conc: 517.54 ng/ml



#45 AR-1268-5

R.T.: 9.610 min
Delta R.T.: 0.000 min
Response: 902572320
Conc: 526.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO100925AR1268



#45 AR-1268-5

R.T.: 8.411 min
Delta R.T.: 0.001 min
Response: 835534560
Conc: 512.61 ng/ml

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Calibration Date(s):** 09/23/2025 09/23/2025

Calibration Times: 08:45 17:14

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

LAB FILE ID: RT 1000 = PP075247.D RT 750 = PP075248.D

RT 500 = PP075249.D RT 250 = PP075250.D RT 050 = PP075251.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.81	5.81	5.81	5.81	5.82	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.83	5.83	5.83	5.83	5.84	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.89	5.90	5.89	5.89	5.90	5.89	5.79	5.99
Aroclor-1016-4	(4)	5.99	5.99	5.99	5.99	6.00	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.28	6.29	6.28	6.28	6.29	6.28	6.18	6.38
Aroclor-1260-1	(1)	7.40	7.40	7.40	7.40	7.41	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.65	7.66	7.65	7.65	7.66	7.65	7.55	7.75
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.02	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.24	8.24	8.24	8.24	8.25	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.56	8.57	8.56	8.56	8.57	8.57	8.47	8.67
Decachlorobiphenyl		10.43	10.44	10.43	10.43	10.45	10.44	10.34	10.54
Tetrachloro-m-xylene		4.65	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.90	5.89	5.90	5.90	5.90	5.90	5.80	6.00
Aroclor-1242-4	(4)	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1248-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1248-2	(2)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1248-3	(3)	6.28	6.28	6.29	6.28	6.28	6.28	6.18	6.38
Aroclor-1248-4	(4)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1248-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.43	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.88	6.88	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.24	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.94	7.93	7.94	7.94	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.43	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1268-1	(1)	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Aroclor-1268-2	(2)	8.99	8.99	8.99	8.98	8.98	8.99	8.89	9.09
Aroclor-1268-3	(3)	9.23	9.23	9.23	9.23	9.22	9.23	9.13	9.33
Aroclor-1268-4	(4)	9.66	9.66	9.66	9.65	9.65	9.65	9.55	9.75
Aroclor-1268-5	(5)	10.09	10.09	10.09	10.09	10.08	10.09	9.99	10.19

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

Raw Data

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Calibration Date(s):** 09/23/2025 09/23/2025

Calibration Times: 08:45 17:14

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

LAB FILE ID: RT 1000 = PP075247.D RT 750 = PP075248.D

RT 500 = PP075249.D RT 250 = PP075250.D RT 050 = PP075251.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.89	4.89	4.89	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.11	5.11	5.12	5.11	5.01	5.21
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.35	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.54	6.54	6.54	6.54	6.55	6.54	6.44	6.64
Aroclor-1260-3	(3)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4	(4)	7.17	7.17	7.17	7.16	7.17	7.17	7.07	7.27
Aroclor-1260-5	(5)	7.41	7.40	7.40	7.40	7.41	7.41	7.31	7.51
Decachlorobiphenyl		8.81	8.80	8.80	8.80	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.89	4.89	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.95	4.96	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-3	(3)	5.07	5.07	5.07	5.07	5.08	5.07	4.97	5.17
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.15	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.89	4.90	4.89	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.11	5.12	5.11	5.12	5.11	5.11	5.01	5.21
Aroclor-1248-3	(3)	5.15	5.16	5.15	5.16	5.15	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.72	5.72	5.71	5.72	5.73	5.72	5.62	5.82
Decachlorobiphenyl		8.80	8.81	8.80	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1254-4	(4)	6.45	6.45	6.46	6.45	6.45	6.45	6.35	6.55
Aroclor-1254-5	(5)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-2	(2)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-3	(3)	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Aroclor-1268-4	(4)	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Aroclor-1268-5	(5)	8.55	8.55	8.55	8.54	8.54	8.54	8.44	8.64

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.81	8.81	8.81	8.80	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

Raw Data

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Calibration Date(s):** 09/23/2025 09/23/2025

Calibration Times: 08:45 17:14

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

LAB FILE ID: **CF 1000 =** PP075247.D **CF 750 =** PP075248.D

CF 500 = PP075249.D **CF 250 =** PP075250.D **CF 050 =** PP075251.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	42347817	45007967	46870170	50153844	56144100	48104780	11
Aroclor-1016-2	(2)	64402738	67720917	69660408	74265036	82593880	71728596	10
Aroclor-1016-3	(3)	39431965	41872236	43807668	47351972	60190040	46530776	18
Aroclor-1016-4	(4)	32893250	34833364	35556514	38336304	36563880	35636662	6
Aroclor-1016-5	(5)	31586228	33455985	34268374	37039376	32256580	33721309	6
Aroclor-1260-1	(1)	52823399	56388379	60551008	64105520	66729180	60119497	9
Aroclor-1260-2	(2)	63303692	67485644	69648556	75704048	87848060	72798000	13
Aroclor-1260-3	(3)	48177125	50964003	52841238	56234364	62508960	54145138	10
Aroclor-1260-4	(4)	52102929	55158468	56921418	59245152	59257840	56537161	5
Aroclor-1260-5	(5)	102126116	107524053	110369268	115809508	113212520	109808293	5
Decachlorobiphenyl		920246130	962712813	986576680	1032362440	1085842800	997548173	6
Tetrachloro-m-xylene		1241637260	1308534467	1312330580	1382545720	1297359400	1308481485	4
Aroclor-1242-1	(1)	36886529	39218005	41223848	44446876	46523260	41659704	9
Aroclor-1242-2	(2)	55040068	57977600	60249464	64089044	60830740	59637383	6
Aroclor-1242-3	(3)	34279044	36622237	38652038	41896284	50681480	40426217	16
Aroclor-1242-4	(4)	28461551	29972721	31322910	33558448	33854640	31434054	7
Aroclor-1242-5	(5)	31568865	33442463	35656256	39523980	35586800	35155673	8
Decachlorobiphenyl		926627030	968517160	1003394580	1047152200	937997000	976737594	5
Tetrachloro-m-xylene		1236238500	1295575613	1320312660	1382228640	1251655600	1297202203	4
Aroclor-1248-1	(1)	29172565	31397577	32249970	33755340	31223340	31559758	5
Aroclor-1248-2	(2)	39359802	41783284	43459792	45079104	47158200	43368036	7
Aroclor-1248-3	(3)	44196144	46704360	48478236	50173996	49240700	47758687	5
Aroclor-1248-4	(4)	53562132	56623921	59266248	61341900	64765060	59111852	7
Aroclor-1248-5	(5)	51867384	54812452	57671502	61547912	69597980	59099446	12
Decachlorobiphenyl		936214370	980173387	1009425800	1018487400	982414600	985343111	3
Tetrachloro-m-xylene		1235222620	1285172653	1318552840	1328682760	1313272800	1296180735	3
Aroclor-1254-1	(1)	61475917	62734304	65986682	62998532	67924500	64223987	4
Aroclor-1254-2	(2)	77552440	82328021	86739650	88146820	94902000	85933786	8
Aroclor-1254-3	(3)	82845377	87949261	92224268	94074964	105017660	92422306	9
Aroclor-1254-4	(4)	64880438	68693089	72666206	72469616	78036900	71349250	7
Aroclor-1254-5	(5)	77310574	81941501	85874638	85948608	77961320	81807328	5
Decachlorobiphenyl		940196120	995283773	1040085460	1002732880	956220600	986903767	4
Tetrachloro-m-xylene		1243265480	1304021133	1335815700	1326930840	1339353000	1309877231	3
Aroclor-1268-1	(1)	152883178	159692704	169160672	171922300	156133040	161958379	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	141133811	146979519	155825750	156513748	141348060	148360178	5
Aroclor-1268-3	(3)	118887581	123478560	131058116	130049472	116969640	124088674	5
Aroclor-1268-4	(4)	55874289	58464284	61978114	60989252	60829860	59627160	4
Aroclor-1268-5	(5)	373677572	388367939	407123198	405183456	366620440	388194521	5
Decachlorobiphenyl		1657406580	1735675800	1838831580	1851125440	1610932200	1738794320	6
Tetrachloro-m-xylene		1279137450	1334222493	1390576680	1375184440	1232599000	1322344013	5

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 09/23/2025 09/23/2025
Calibration Times: 08:45 17:14

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

LAB FILE ID: CF 1000 = PP075247.D CF 750 = PP075248.D
CF 500 = PP075249.D CF 250 = PP075250.D CF 050 = PP075251.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	550669557	575041595	570968608	557638892	550748680	561013466	2
Aroclor-1016-2	(2)	253692272	266987116	261503738	252594292	250233300	257002144	3
Aroclor-1016-3	(3)	139883237	146298759	147016140	140568364	202575320	155268364	17
Aroclor-1016-4	(4)	139175266	149989423	152767546	146969012	145938660	146967981	3
Aroclor-1016-5	(5)	157135257	166127832	167159970	171673236	154814600	163382179	4
Aroclor-1260-1	(1)	389924896	398807288	400126940	426602072	414215600	405935359	4
Aroclor-1260-2	(2)	565343775	583502056	582903442	580470456	566929720	575829890	2
Aroclor-1260-3	(3)	422351862	433041807	427033404	426203564	431794540	428085035	1
Aroclor-1260-4	(4)	428778820	432299260	434882920	423190072	436968900	431223994	1
Aroclor-1260-5	(5)	1056009939	1104491933	1106785704	1094138908	898515660	1051988429	8
Decachlorobiphenyl		6122260390	6260409867	6205942400	6354732320	5219165200	6032502035	8
Tetrachloro-m-xylene		6636388100	6400989987	6258078260	6278037480	4930931000	6100884965	11
Aroclor-1242-1	(1)	472236904	485846165	486239260	487321948	403955360	467119927	8
Aroclor-1242-2	(2)	217510086	216447451	216513930	219383960	174933800	208957845	9
Aroclor-1242-3	(3)	123250580	122980740	121647250	125144732	116794760	121963612	3
Aroclor-1242-4	(4)	159270704	162580923	163635768	175639772	134330060	159091445	10
Aroclor-1242-5	(5)	192075351	196719551	194226854	201700156	188695940	194683570	3
Decachlorobiphenyl		6210283890	6223405693	6336701840	6098511680	5039253200	5981631261	9
Tetrachloro-m-xylene		6371057840	6261042827	6076223420	6032393800	4834060000	5914955577	10
Aroclor-1248-1	(1)	313001525	314287516	316712298	313219832	245110400	300466314	10
Aroclor-1248-2	(2)	194621063	204942157	200519274	206042640	206270120	202479051	2
Aroclor-1248-3	(3)	238833016	244338553	263622092	258775616	243161480	249746151	4
Aroclor-1248-4	(4)	233390044	236006324	231247510	230022068	233051700	232743529	1
Aroclor-1248-5	(5)	417516536	433645501	453462226	437040196	301192600	408571412	15
Decachlorobiphenyl		6280619880	6334319187	6392002300	6030990520	5377561400	6083098657	7
Tetrachloro-m-xylene		6342135760	6351132560	6173502940	5553544360	4399164000	5763895924	14
Aroclor-1254-1	(1)	503004292	535011767	531987056	521951800	402057780	498802539	11
Aroclor-1254-2	(2)	378219544	403583375	399300676	392234176	422583680	399184290	4
Aroclor-1254-3	(3)	715208754	722755991	718569236	662347256	504737840	664723815	14
Aroclor-1254-4	(4)	505627774	538597859	544931308	492275784	386803020	493647149	13
Aroclor-1254-5	(5)	551845651	631515513	645579268	578311224	446211920	570692715	14
Decachlorobiphenyl		6237706050	6279124973	6507474640	6157241280	5410407600	6118390909	7
Tetrachloro-m-xylene		6240840860	6469002347	6413333980	5502278160	4576318000	5840354669	14
Aroclor-1268-1	(1)	1460168699	1513699808	1559348234	1460709316	1219243940	1442633999	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1471677824	1500245056	1520481630	1382554016	1099105140	1394812733	12
Aroclor-1268-3	(3)	1142468076	1153335345	1195510260	1093929288	869367940	1090922182	12
Aroclor-1268-4	(4)	470517486	472924412	482908940	460922856	362513880	449957515	11
Aroclor-1268-5	(5)	3043336629	3184766664	3278330982	3285110680	2399968480	3038302687	12
Decachlorobiphenyl		12094690940	12187875973	12233092380	12124440600	9791304400	11686280859	9
Tetrachloro-m-xylene		6567329620	6628773733	6640722000	6057317560	4103278800	5999484343	18

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.86	4.76	4.96	18490700
		2	4.95	4.85	5.05	13697900
		3	5.02	4.92	5.12	41397800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	32115600
		2	5.54	5.44	5.64	16774900
		3	5.83	5.73	5.93	33440800
		4	5.99	5.89	6.09	17299100
		5	6.08	5.98	6.18	12004400
Aroclor-1262	500	1	8.24	8.14	8.34	75955200
		2	8.57	8.47	8.67	135361000
		3	8.90	8.80	9.00	93451000
		4	8.98	8.88	9.08	72237200
		5	9.66	9.56	9.76	52135400

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	76477600
		2	4.09	3.99	4.19	52263200
		3	4.17	4.07	4.27	190406000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	146566000
		2	4.89	4.79	4.99	252198000
		3	5.07	4.97	5.17	63015000
		4	5.15	5.05	5.25	103164000
		5	5.33	5.23	5.43	64046600
Aroclor-1262	500	1	6.91	6.81	7.01	791116000
		2	7.17	7.07	7.27	552368000
		3	7.69	7.59	7.79	499974000
		4	7.75	7.65	7.85	908084000
		5	8.25	8.15	8.35	429906000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 08:45
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: Sep 23 12:10:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.654	3.798	124.2E6	663.6E6	97.232	102.934
2)	SA Decachlor...	10.434	8.805	92024613	612.2E6	96.521	99.321
	Target Compounds						
3)	L1 AR-1016-1	5.806	4.895	42347817	550.7E6	949.311	981.902
4)	L1 AR-1016-2	5.828	4.954	64402738	253.7E6	960.782	984.838
5)	L1 AR-1016-3	5.890	5.073	39431965	139.9E6	947.432	975.138
6)	L1 AR-1016-4	5.988	5.114	32893250	139.2E6	961.092	953.442
7)	L1 AR-1016-5	6.280	5.328	31586228	157.1E6	959.272	969.088
31)	L7 AR-1260-1	7.397	6.356	52823399	389.9E6	931.840	987.087
32)	L7 AR-1260-2	7.650	6.543	63303692	565.3E6	952.277	984.707
33)	L7 AR-1260-3	8.009	6.696	48177125	422.4E6	953.829	994.488
34)	L7 AR-1260-4	8.236	7.166	52102929	428.8E6	955.804	992.932
35)	L7 AR-1260-5	8.562	7.406	102.1E6	1056.0E6	961.208	976.523

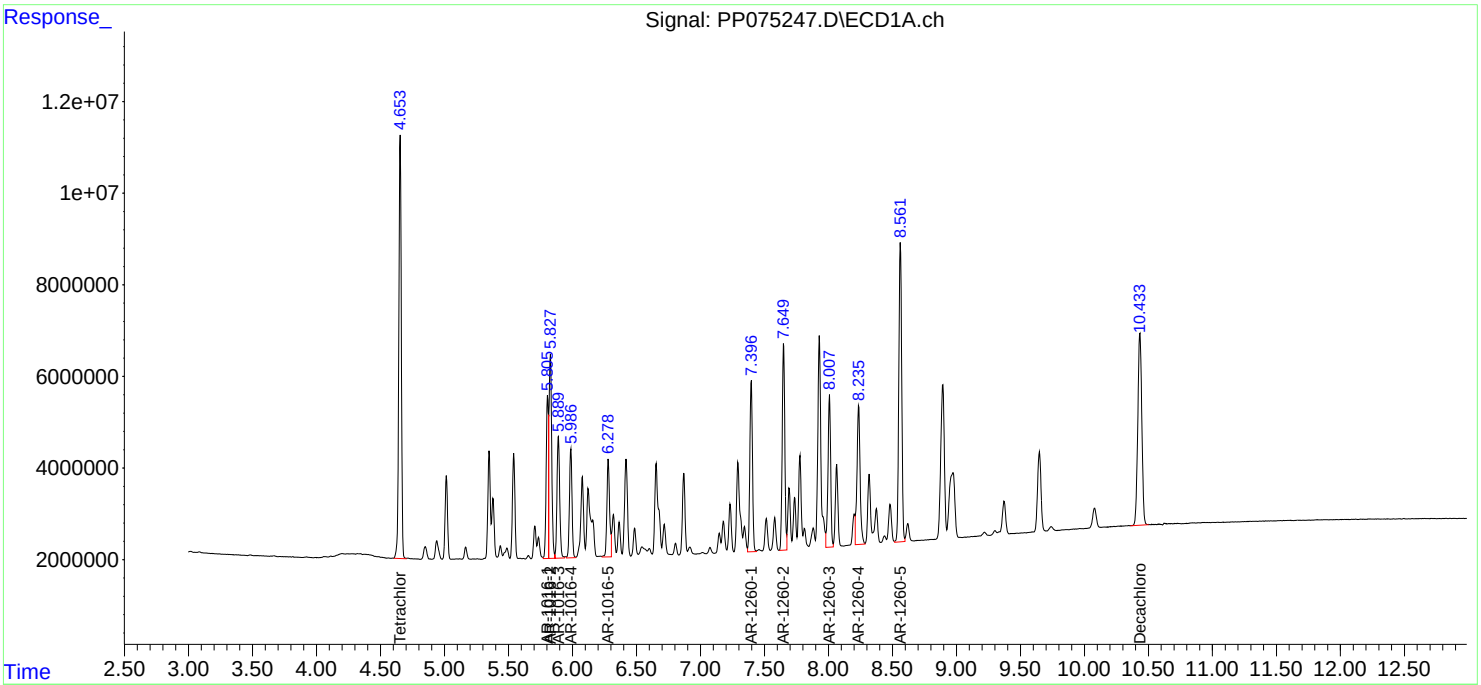
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

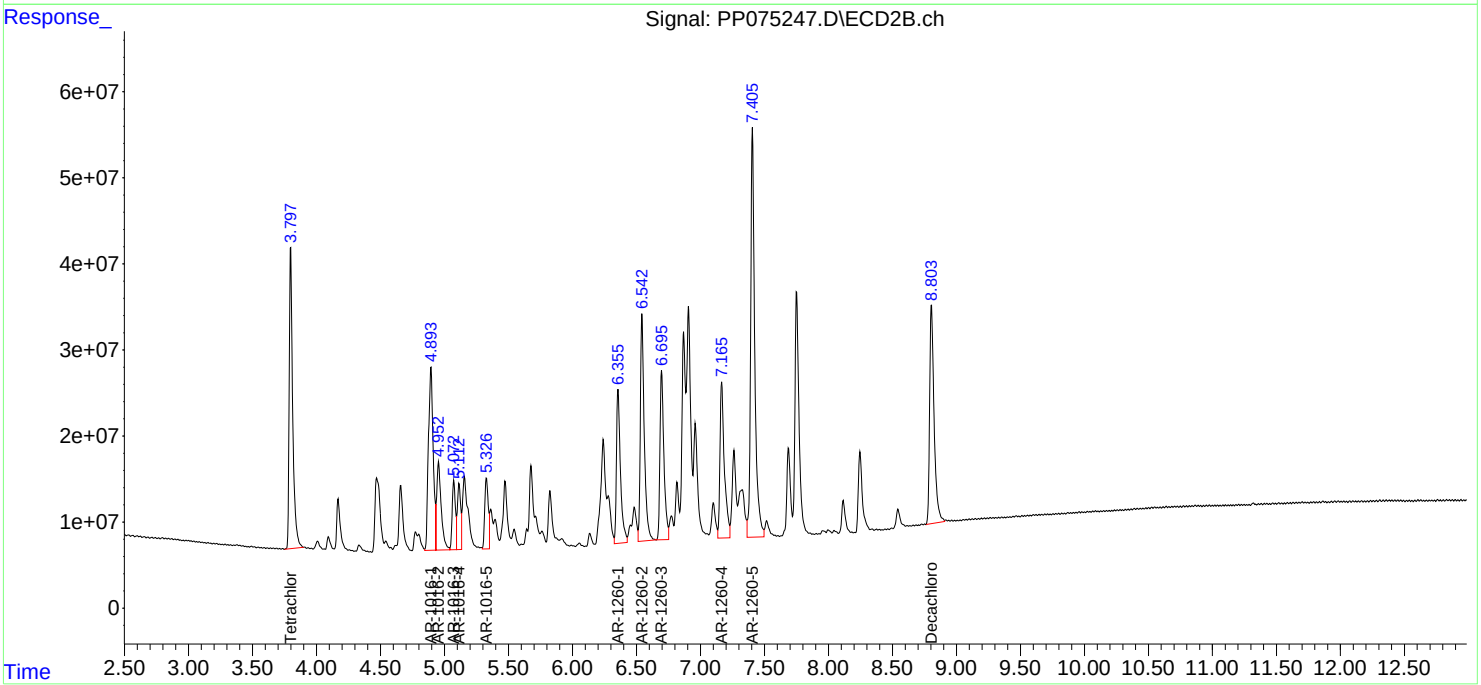
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 08:45
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

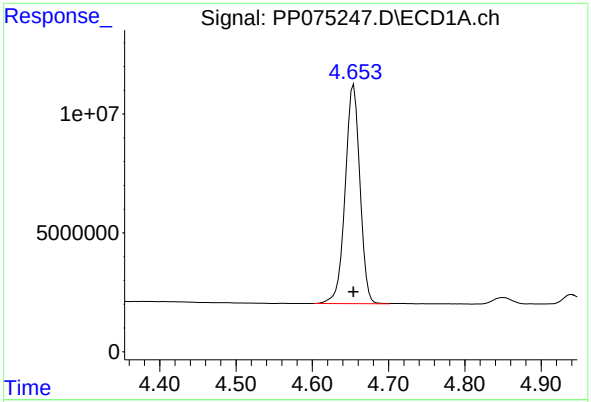
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:10:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



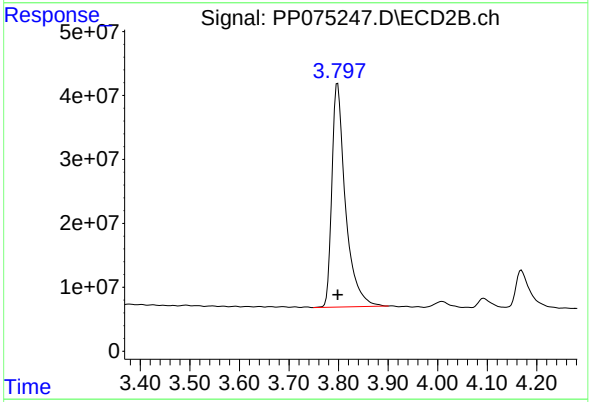




#1 Tetrachloro-m-xylene

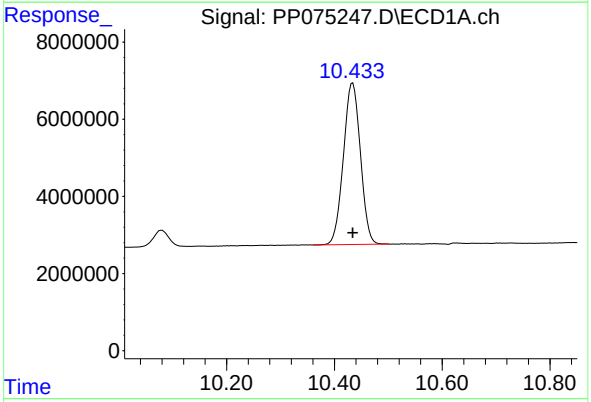
R.T.: 4.654 min
Delta R.T.: 0.000 min
Response: 124163726
Conc: 97.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



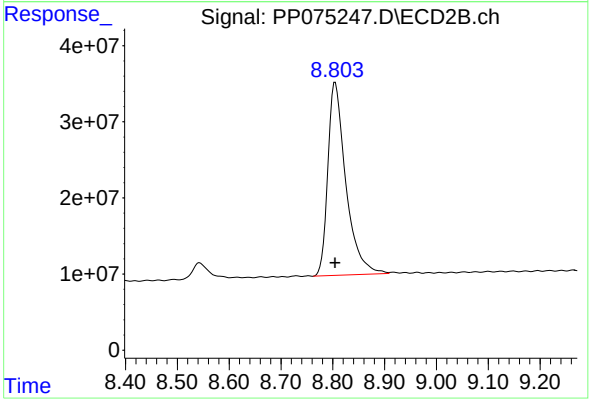
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 663638810
Conc: 102.93 ng/ml



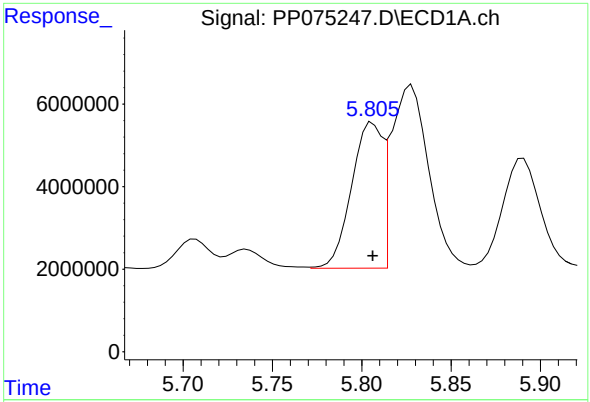
#2 Decachlorobiphenyl

R.T.: 10.434 min
Delta R.T.: 0.000 min
Response: 92024613
Conc: 96.52 ng/ml



#2 Decachlorobiphenyl

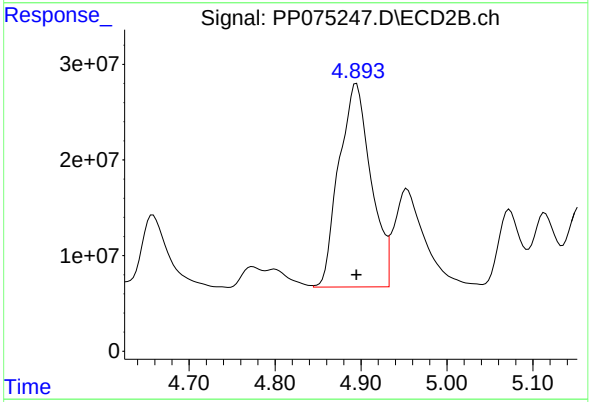
R.T.: 8.805 min
Delta R.T.: 0.000 min
Response: 612226039
Conc: 99.32 ng/ml



#3 AR-1016-1

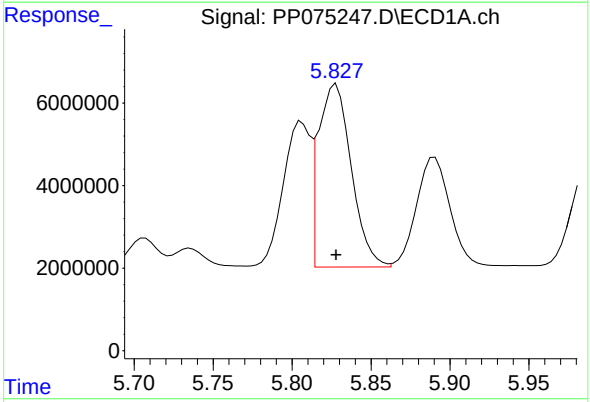
R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 42347817
Conc: 949.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



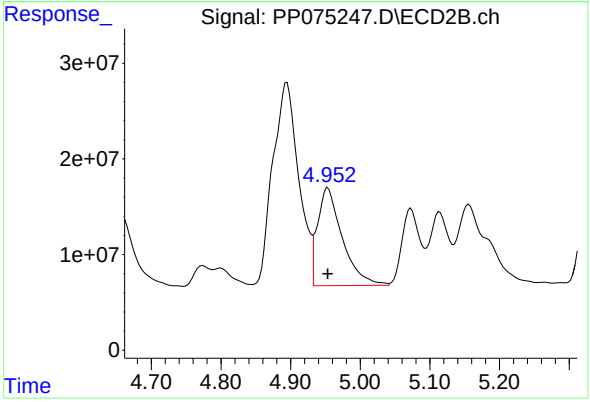
#3 AR-1016-1

R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 550669557
Conc: 981.90 ng/ml



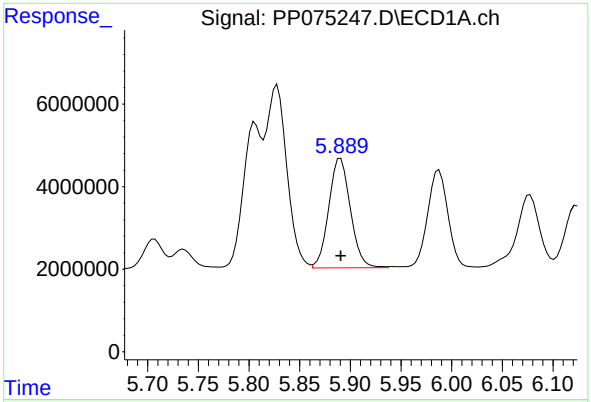
#4 AR-1016-2

R.T.: 5.828 min
Delta R.T.: 0.000 min
Response: 64402738
Conc: 960.78 ng/ml



#4 AR-1016-2

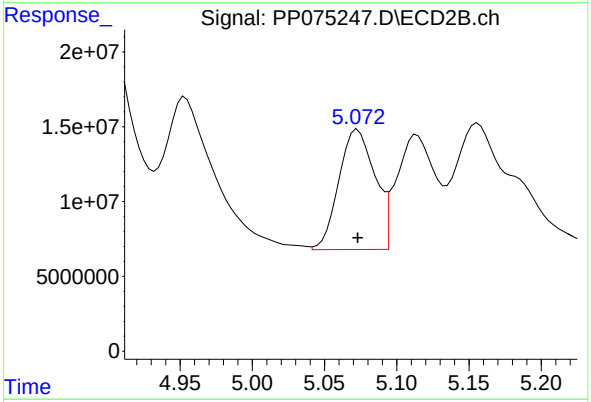
R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 253692272
Conc: 984.84 ng/ml



#5 AR-1016-3

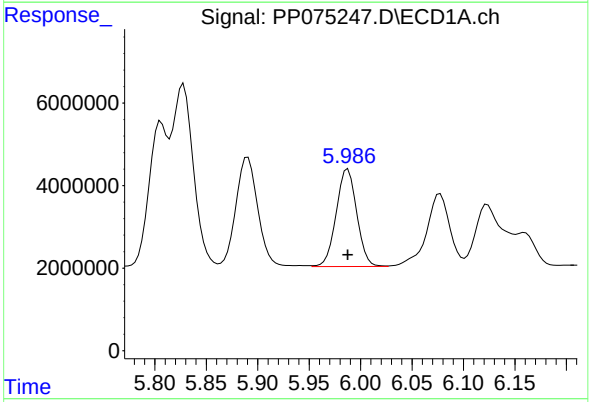
R.T.: 5.890 min
Delta R.T.: 0.000 min
Response: 39431965
Conc: 947.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



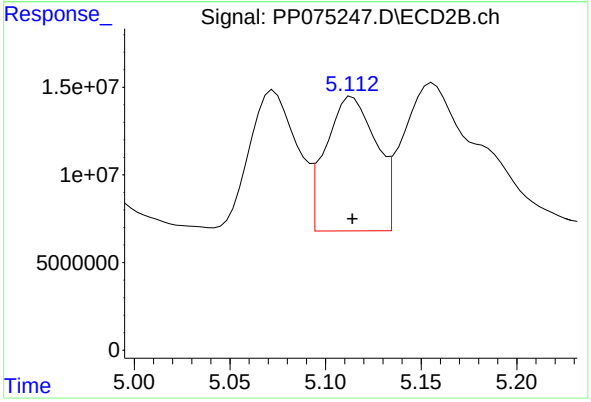
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 139883237
Conc: 975.14 ng/ml



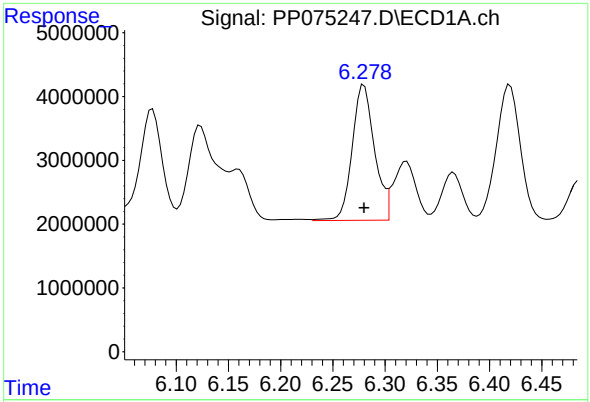
#6 AR-1016-4

R.T.: 5.988 min
Delta R.T.: 0.000 min
Response: 32893250
Conc: 961.09 ng/ml



#6 AR-1016-4

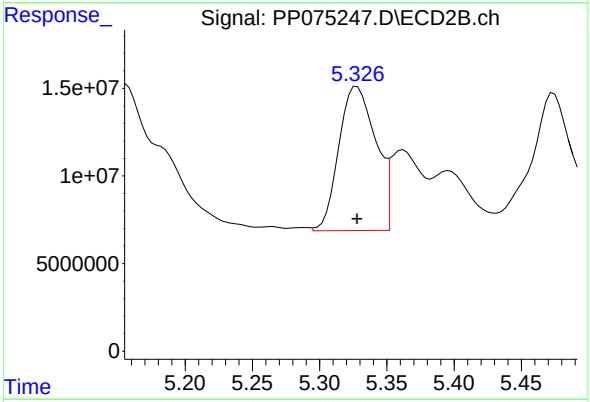
R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 139175266
Conc: 953.44 ng/ml



#7 AR-1016-5

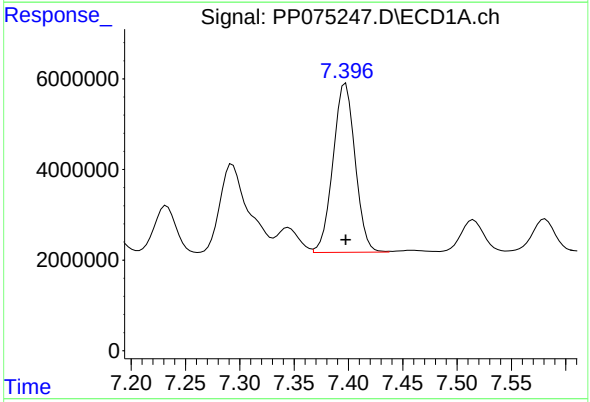
R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 31586228
Conc: 959.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



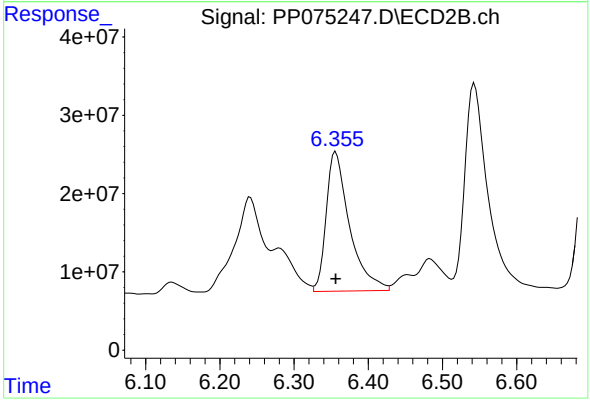
#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: 0.000 min
Response: 157135257
Conc: 969.09 ng/ml



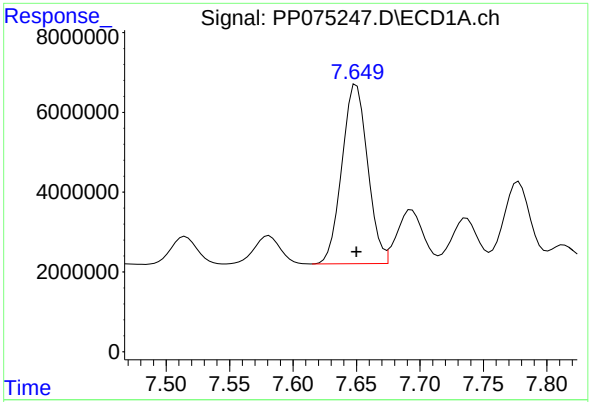
#31 AR-1260-1

R.T.: 7.397 min
Delta R.T.: 0.000 min
Response: 52823399
Conc: 931.84 ng/ml



#31 AR-1260-1

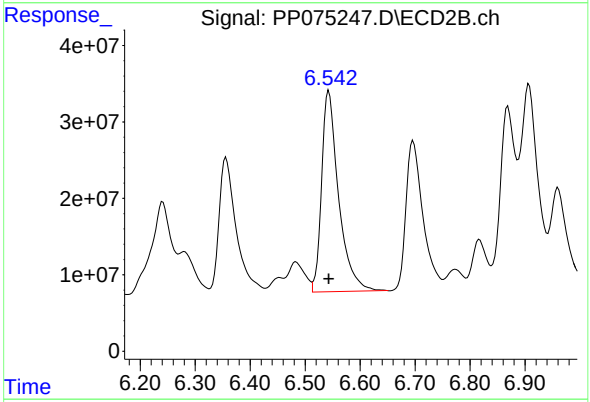
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 389924896
Conc: 987.09 ng/ml



#32 AR-1260-2

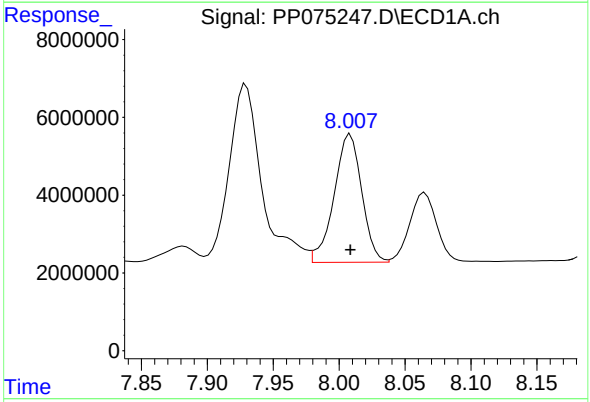
R.T.: 7.650 min
Delta R.T.: 0.000 min
Response: 63303692
Conc: 952.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



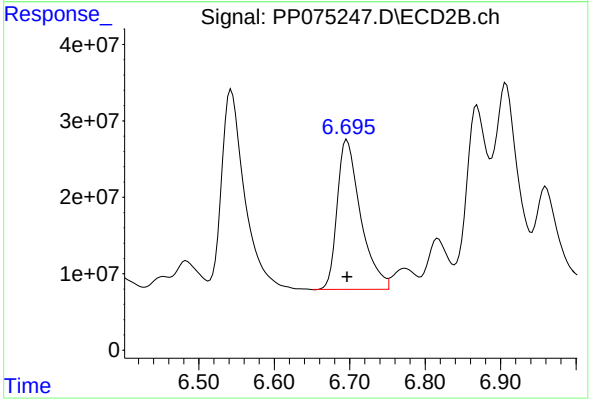
#32 AR-1260-2

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 565343775
Conc: 984.71 ng/ml



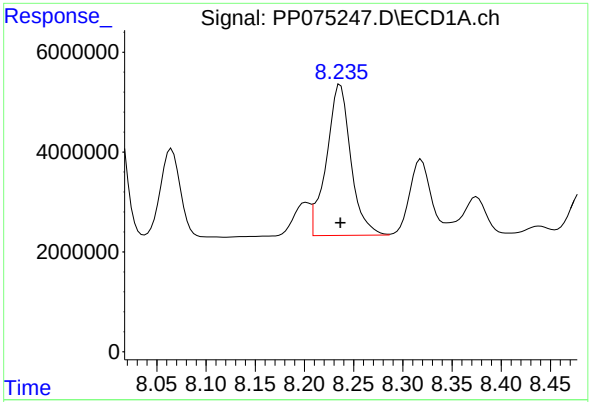
#33 AR-1260-3

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 48177125
Conc: 953.83 ng/ml



#33 AR-1260-3

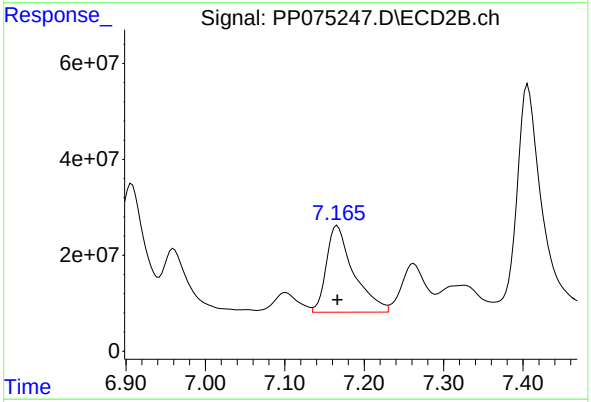
R.T.: 6.696 min
Delta R.T.: 0.000 min
Response: 422351862
Conc: 994.49 ng/ml



#34 AR-1260-4

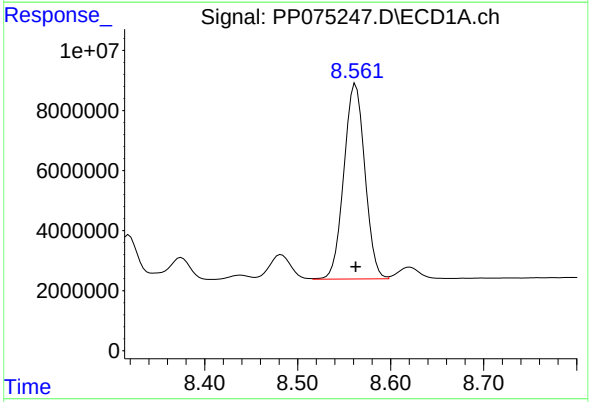
R.T.: 8.236 min
Delta R.T.: 0.000 min
Response: 52102929
Conc: 955.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



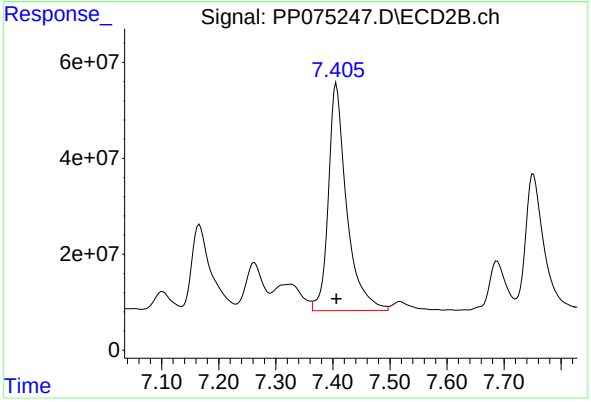
#34 AR-1260-4

R.T.: 7.166 min
Delta R.T.: 0.000 min
Response: 428778820
Conc: 992.93 ng/ml



#35 AR-1260-5

R.T.: 8.562 min
Delta R.T.: 0.000 min
Response: 102126116
Conc: 961.21 ng/ml



#35 AR-1260-5

R.T.: 7.406 min
Delta R.T.: 0.000 min
Response: 1056009939
Conc: 976.52 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:01
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: Sep 23 12:21:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.796	98140085	480.1E6	76.225	74.641
2)	SA Decachlor...	10.438	8.803	72203461	469.5E6	75.486	75.777
	Target Compounds						
3)	L1 AR-1016-1	5.811	4.894	33755975	431.3E6	754.459	762.574
4)	L1 AR-1016-2	5.832	4.952	50790688	200.2E6	755.124	768.006
5)	L1 AR-1016-3	5.895	5.072	31404177	109.7E6	753.026	759.865
6)	L1 AR-1016-4	5.992	5.111	26125023	112.5E6	758.837	763.638
7)	L1 AR-1016-5	6.285	5.326	25091989	124.6E6	757.985	762.174
31)	L7 AR-1260-1	7.402	6.355	42291284	299.1E6	747.360	754.771
32)	L7 AR-1260-2	7.655	6.541	50614233	437.6E6	757.555	758.123
33)	L7 AR-1260-3	8.013	6.695	38223002	324.8E6	754.489	759.766
34)	L7 AR-1260-4	8.241	7.165	41368851	324.2E6	755.905	750.542
35)	L7 AR-1260-5	8.567	7.404	80643040	828.4E6	755.983	760.602

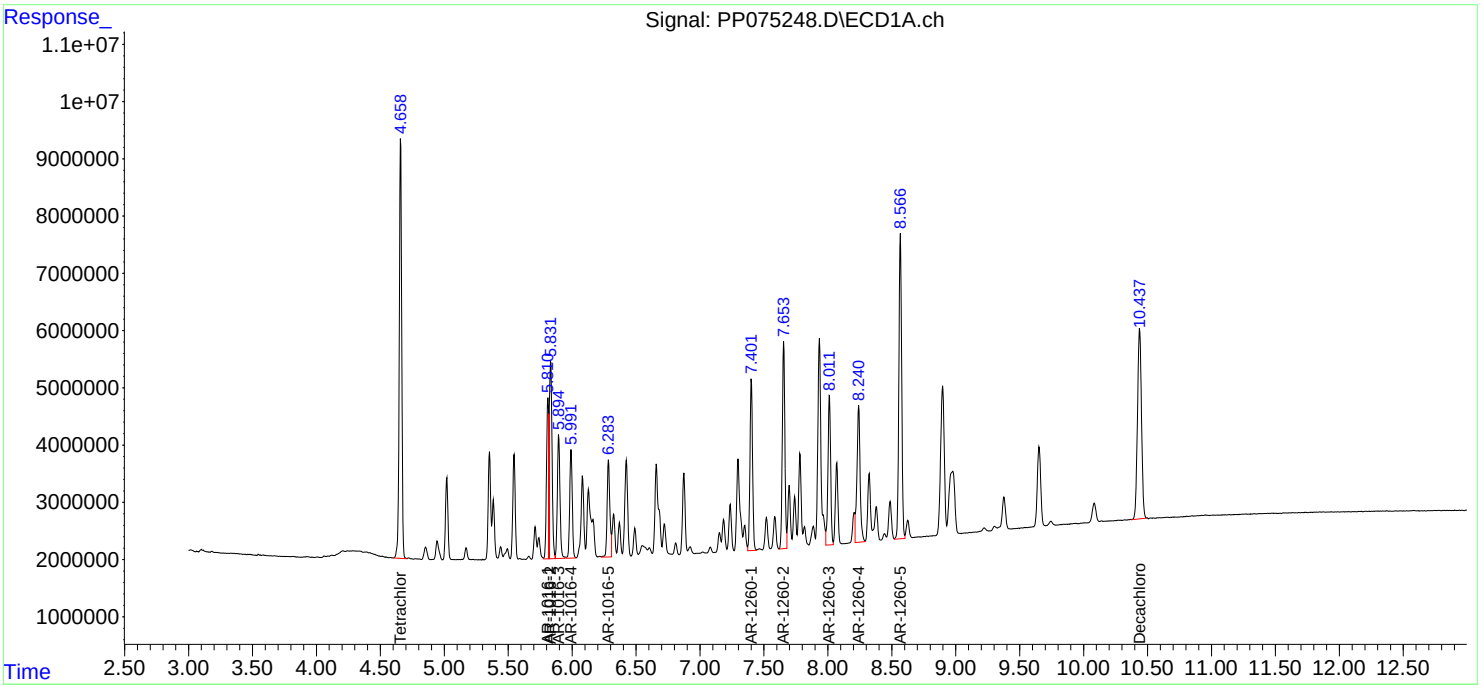
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

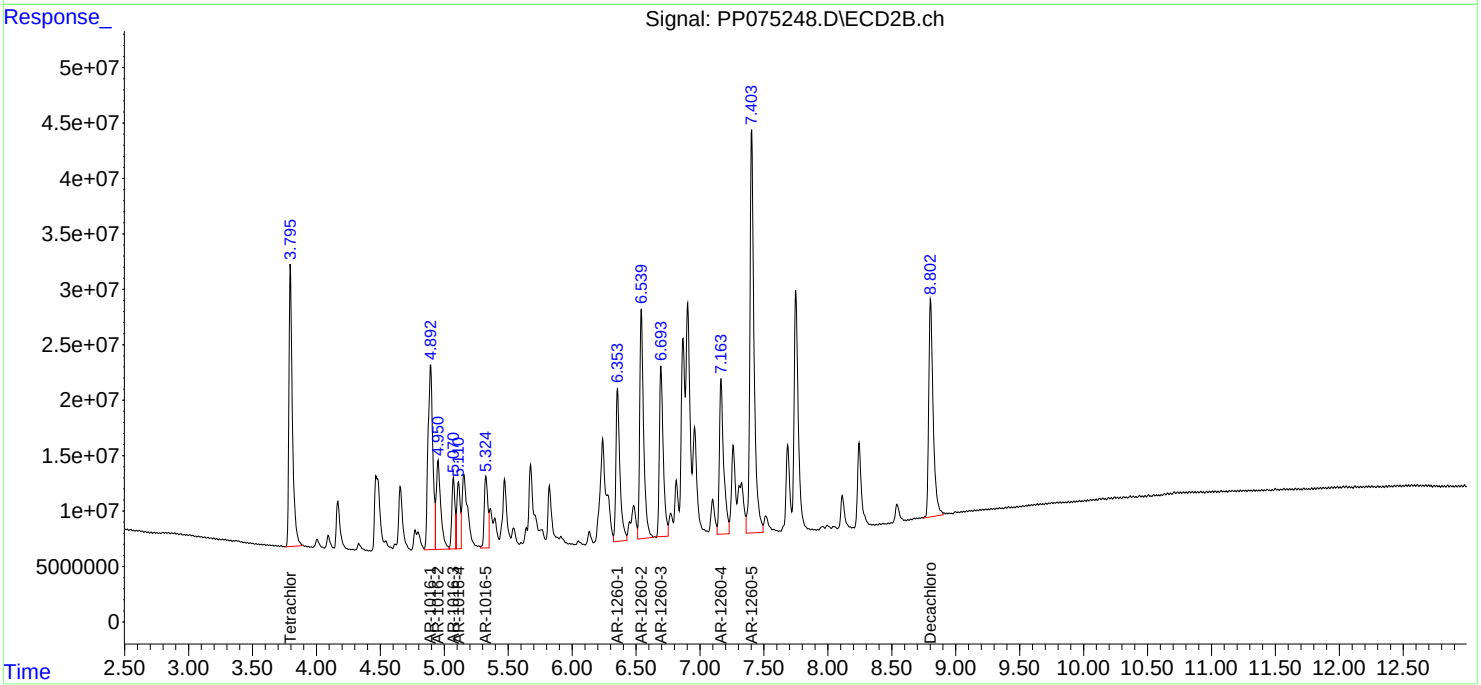
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:01
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

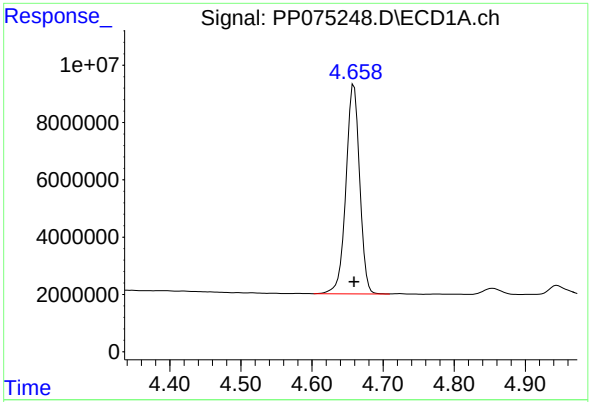
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:21:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



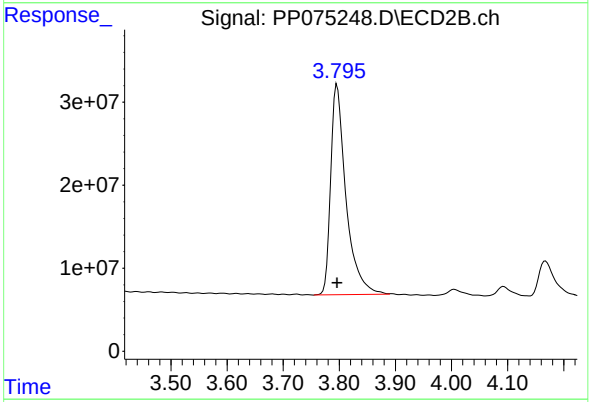




#1 Tetrachloro-m-xylene

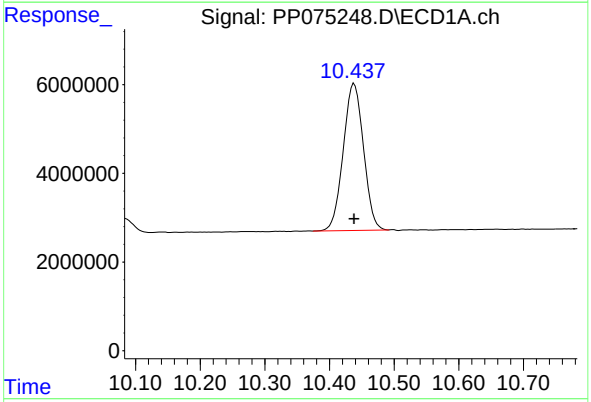
R.T.: 4.659 min
Delta R.T.: 0.000 min
Response: 98140085
Conc: 76.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



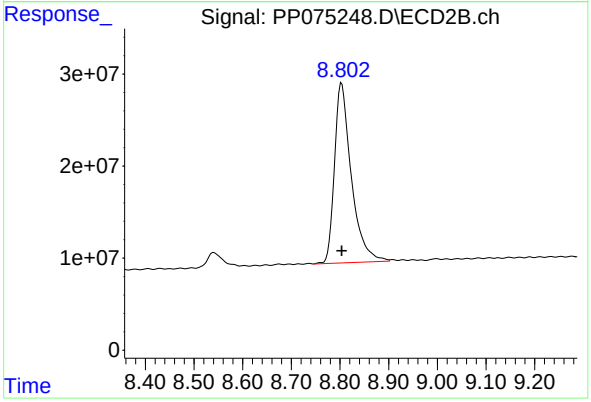
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 480074249
Conc: 74.64 ng/ml



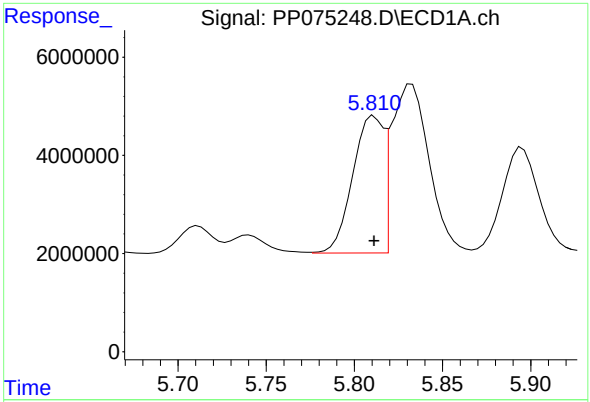
#2 Decachlorobiphenyl

R.T.: 10.438 min
Delta R.T.: 0.000 min
Response: 72203461
Conc: 75.49 ng/ml



#2 Decachlorobiphenyl

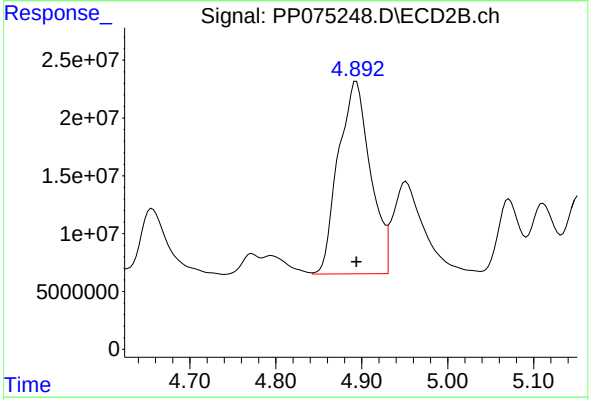
R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 469530740
Conc: 75.78 ng/ml



#3 AR-1016-1

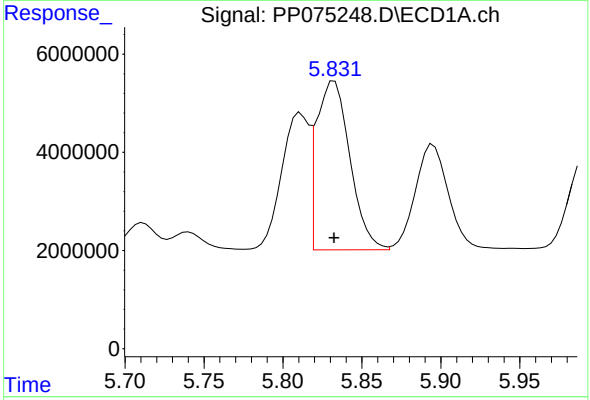
R.T.: 5.811 min
Delta R.T.: 0.000 min
Response: 33755975
Conc: 754.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



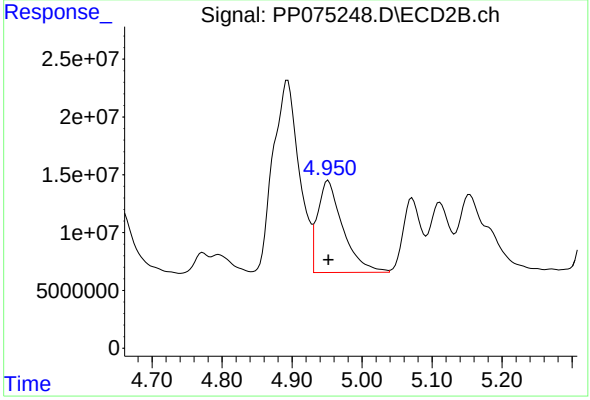
#3 AR-1016-1

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 431281196
Conc: 762.57 ng/ml



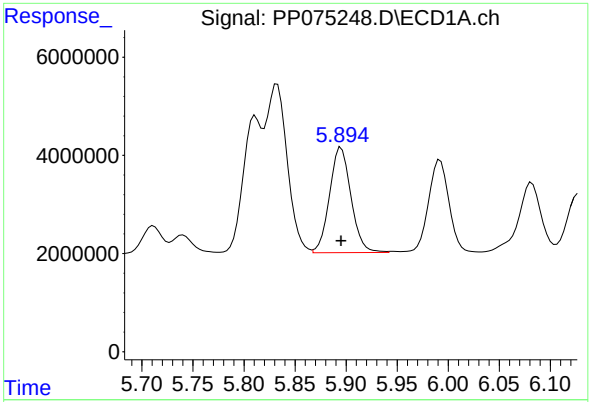
#4 AR-1016-2

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 50790688
Conc: 755.12 ng/ml



#4 AR-1016-2

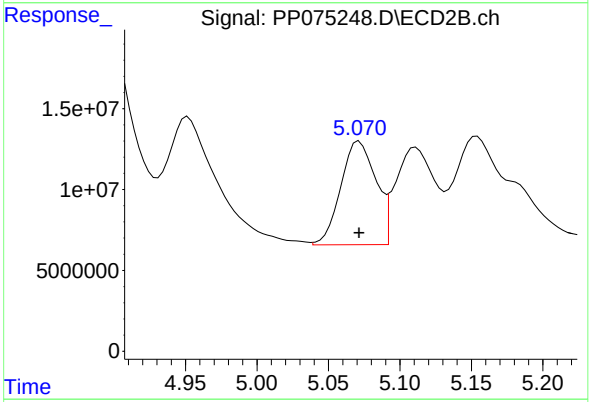
R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 200240337
Conc: 768.01 ng/ml



#5 AR-1016-3

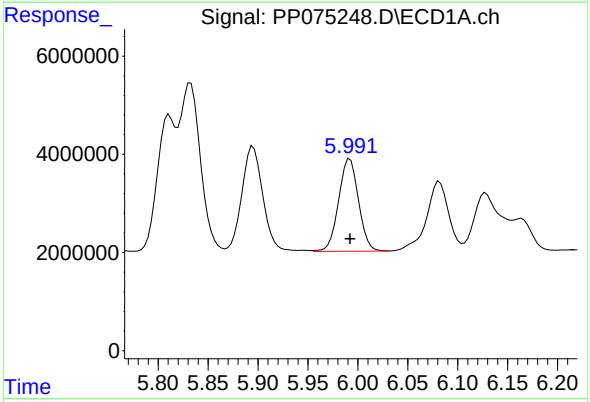
R.T.: 5.895 min
Delta R.T.: 0.000 min
Response: 31404177
Conc: 753.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



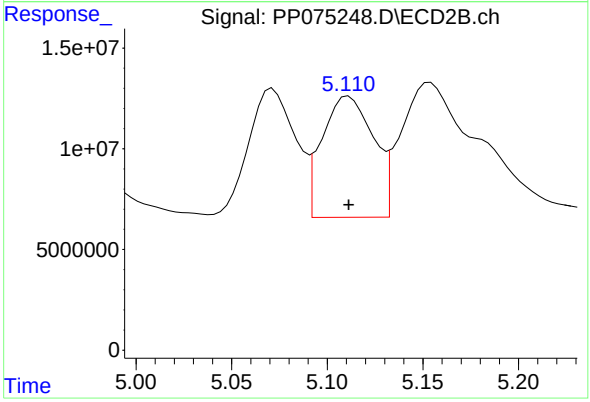
#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: 0.000 min
Response: 109724069
Conc: 759.87 ng/ml



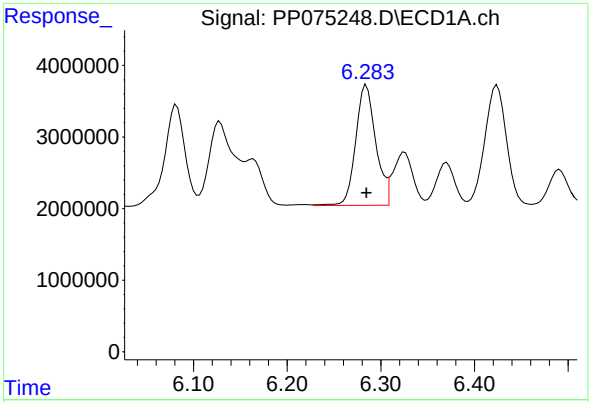
#6 AR-1016-4

R.T.: 5.992 min
Delta R.T.: 0.000 min
Response: 26125023
Conc: 758.84 ng/ml



#6 AR-1016-4

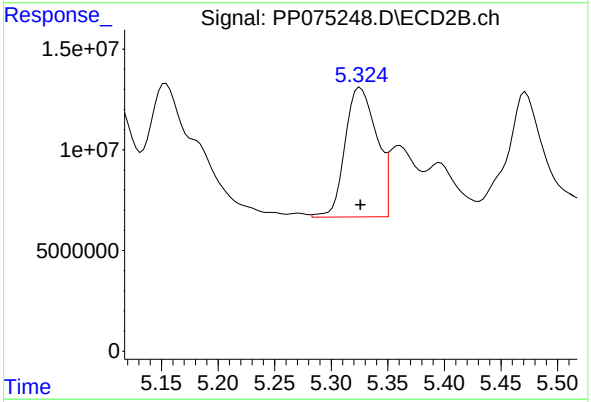
R.T.: 5.111 min
Delta R.T.: 0.000 min
Response: 112492067
Conc: 763.64 ng/ml



#7 AR-1016-5

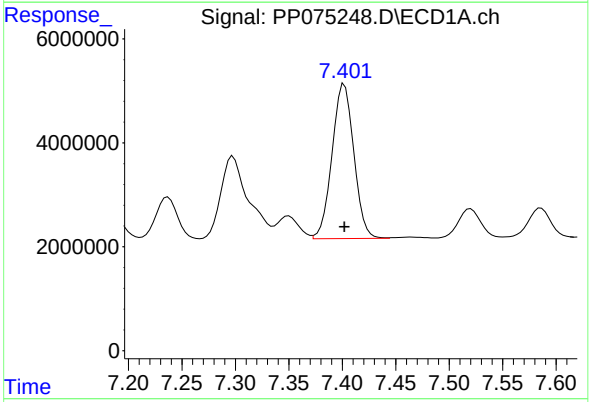
R.T.: 6.285 min
Delta R.T.: 0.000 min
Response: 25091989
Conc: 757.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



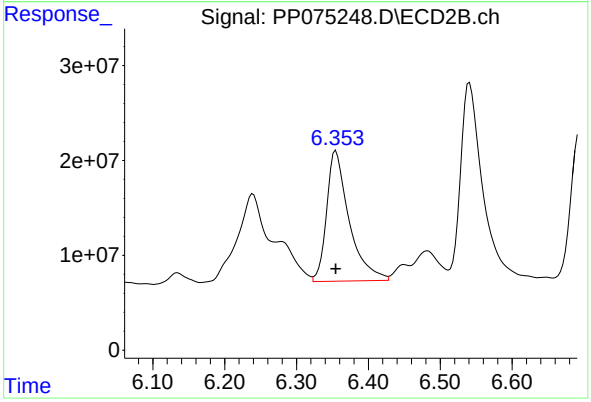
#7 AR-1016-5

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 124595874
Conc: 762.17 ng/ml



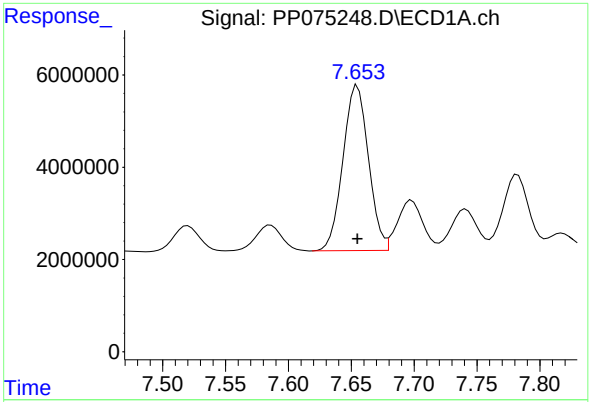
#31 AR-1260-1

R.T.: 7.402 min
Delta R.T.: 0.000 min
Response: 42291284
Conc: 747.36 ng/ml



#31 AR-1260-1

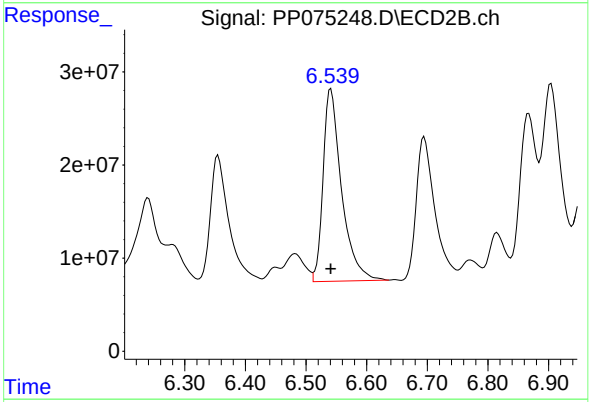
R.T.: 6.355 min
Delta R.T.: 0.000 min
Response: 299105466
Conc: 754.77 ng/ml



#32 AR-1260-2

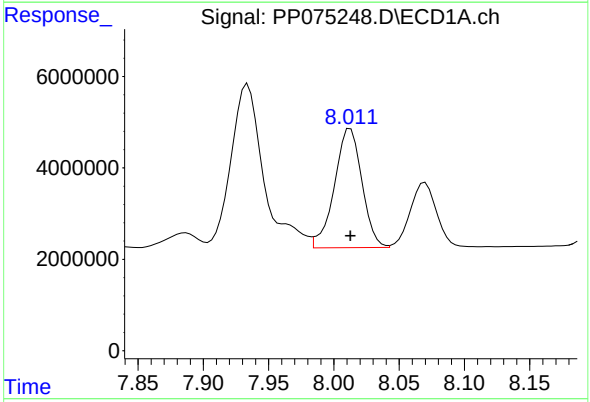
R.T.: 7.655 min
Delta R.T.: 0.000 min
Response: 50614233
Conc: 757.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



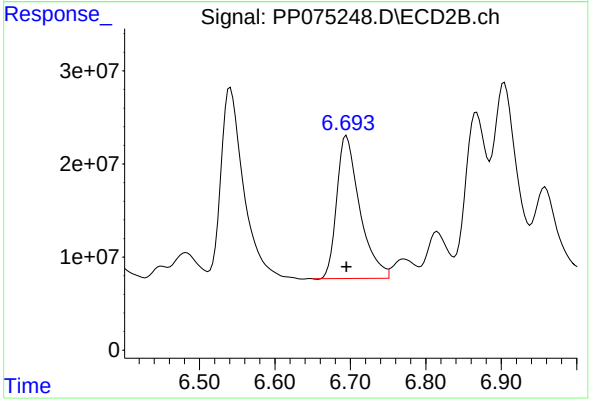
#32 AR-1260-2

R.T.: 6.541 min
Delta R.T.: 0.000 min
Response: 437626542
Conc: 758.12 ng/ml



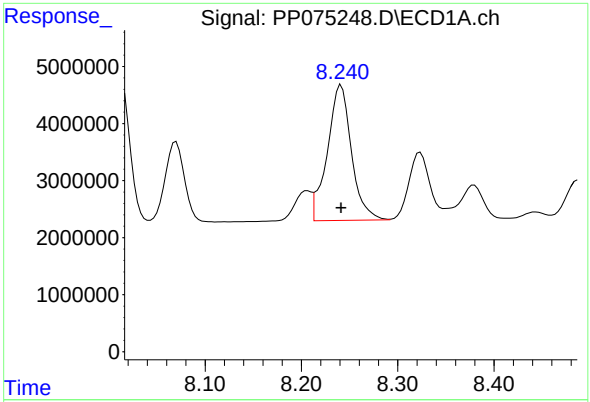
#33 AR-1260-3

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 38223002
Conc: 754.49 ng/ml



#33 AR-1260-3

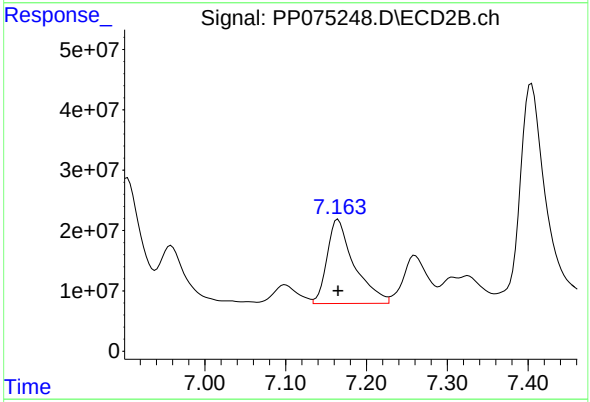
R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 324781355
Conc: 759.77 ng/ml



#34 AR-1260-4

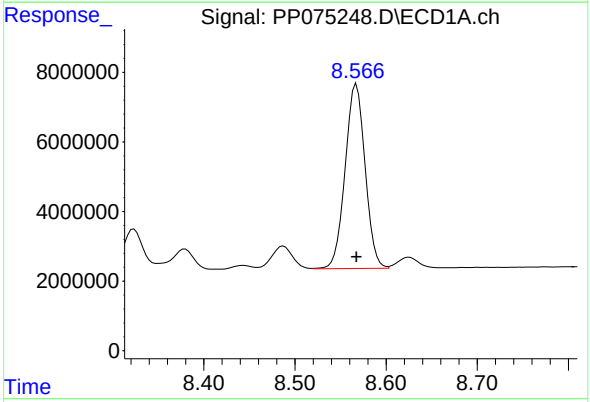
R.T.: 8.241 min
Delta R.T.: 0.000 min
Response: 41368851
Conc: 755.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



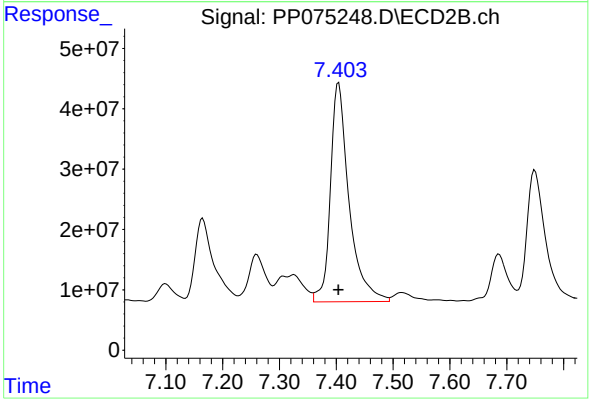
#34 AR-1260-4

R.T.: 7.165 min
Delta R.T.: 0.000 min
Response: 324224445
Conc: 750.54 ng/ml



#35 AR-1260-5

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 80643040
Conc: 755.98 ng/ml



#35 AR-1260-5

R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 828368950
Conc: 760.60 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075249.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:18
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: Sep 23 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.655	3.796	65616529	312.9E6	50.000	50.000
2)	SA Decachlor...	10.434	8.803	49328834	310.3E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.808	4.893	23435085	285.5E6	500.000	500.000
4)	L1 AR-1016-2	5.829	4.951	34830204	130.8E6	500.000	500.000
5)	L1 AR-1016-3	5.892	5.071	21903834	73508070	500.000	500.000
6)	L1 AR-1016-4	5.989	5.111	17778257	76383773	500.000	500.000
7)	L1 AR-1016-5	6.281	5.325	17134187	83579985	500.000	500.000
31)	L7 AR-1260-1	7.399	6.355	30275504	200.1E6	500.000	500.000
32)	L7 AR-1260-2	7.651	6.541	34824278	291.5E6	500.000	500.000
33)	L7 AR-1260-3	8.009	6.695	26420619	213.5E6	500.000	500.000
34)	L7 AR-1260-4	8.237	7.165	28460709	217.4E6	500.000	500.000
35)	L7 AR-1260-5	8.564	7.404	55184634	553.4E6	500.000	500.000

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

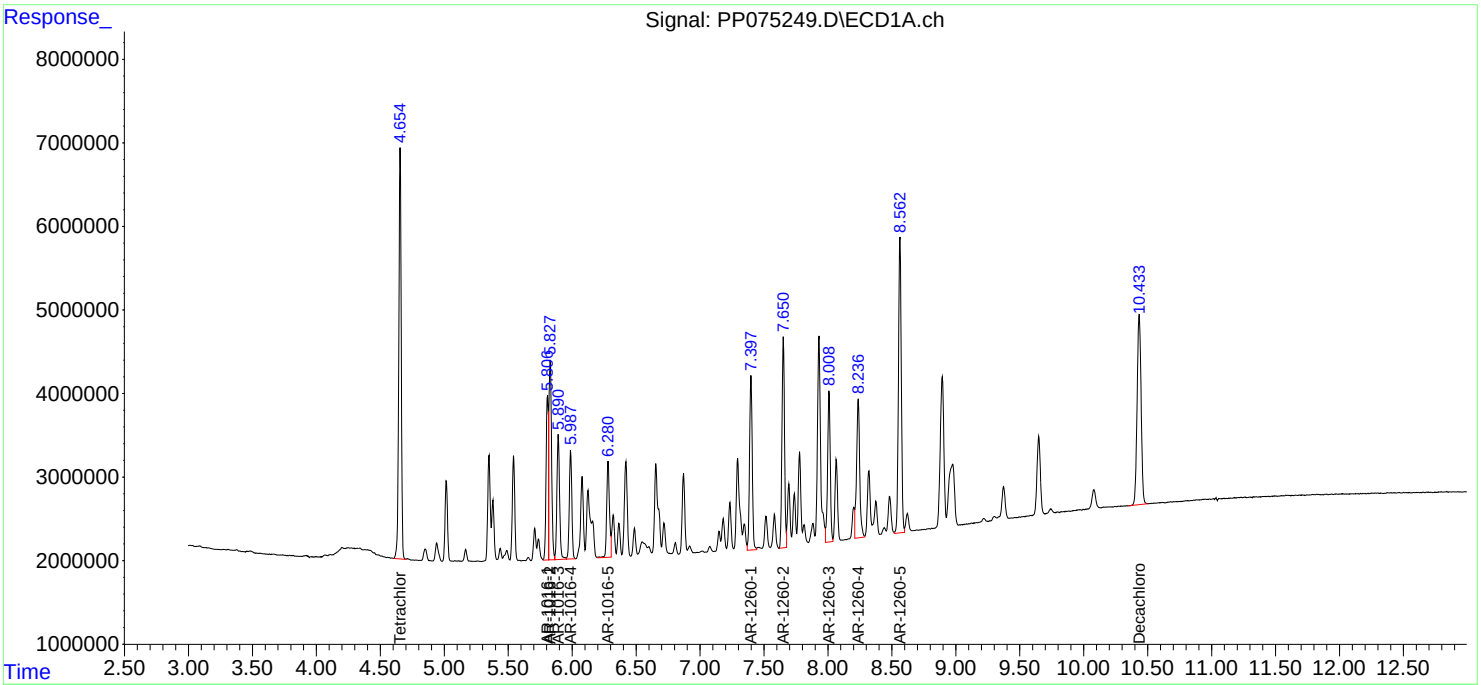
ICAL Form

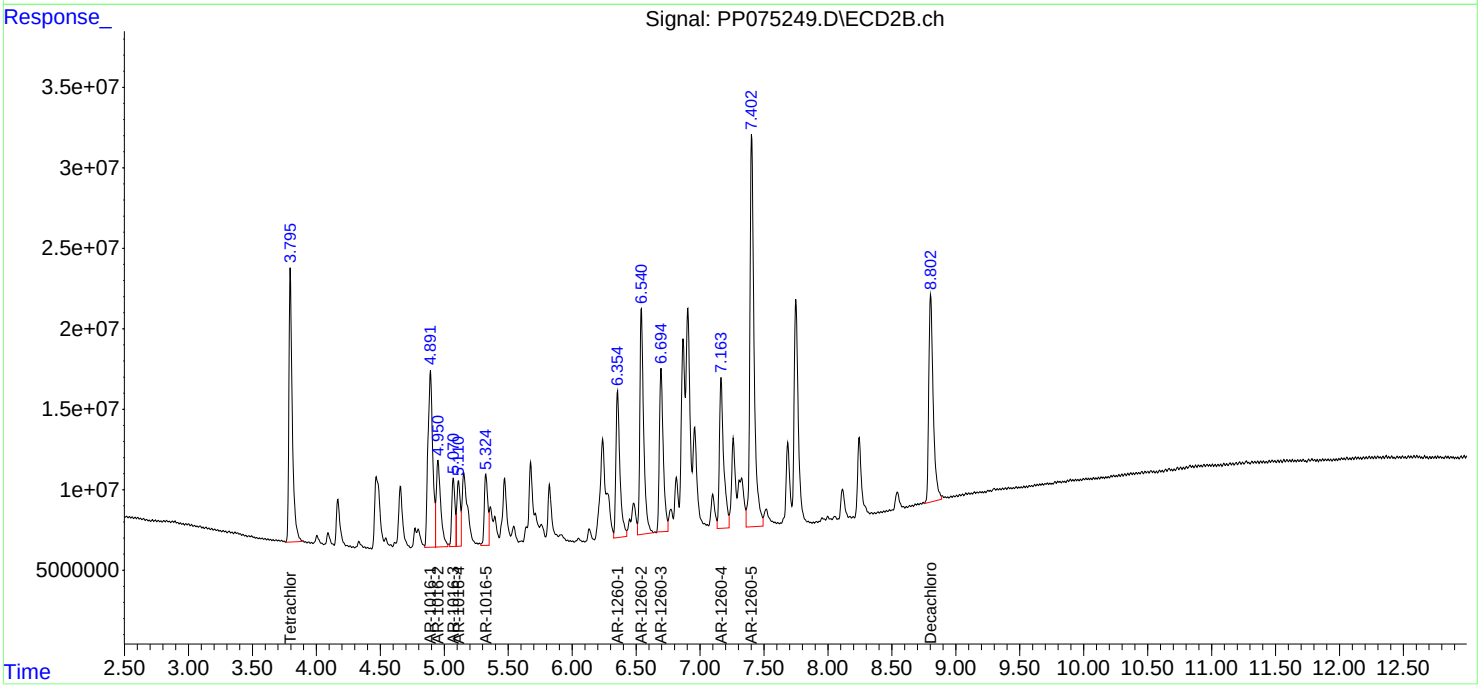
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075249.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:18
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

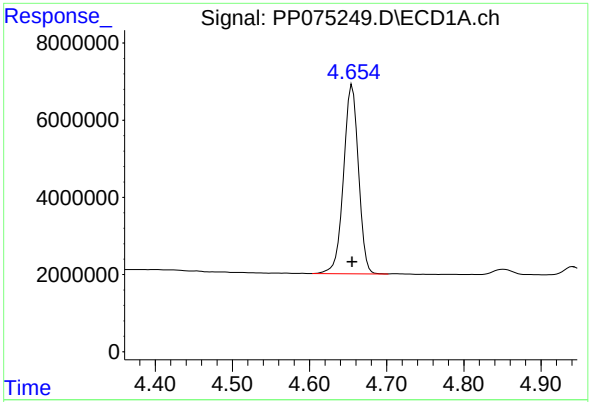
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



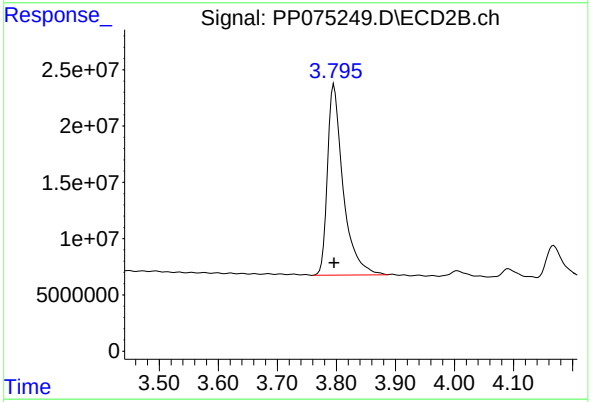




#1 Tetrachloro-m-xylene

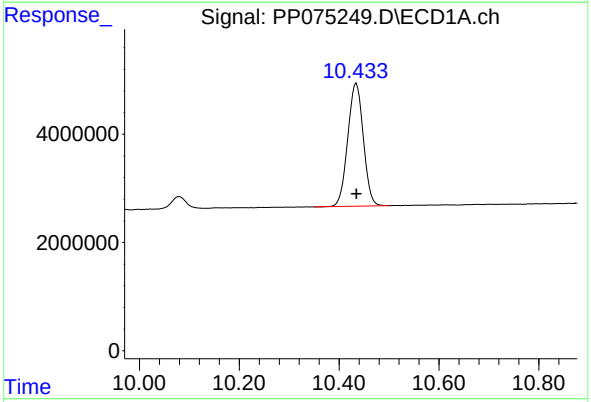
R.T.: 4.655 min
Delta R.T.: 0.000 min
Response: 65616529
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



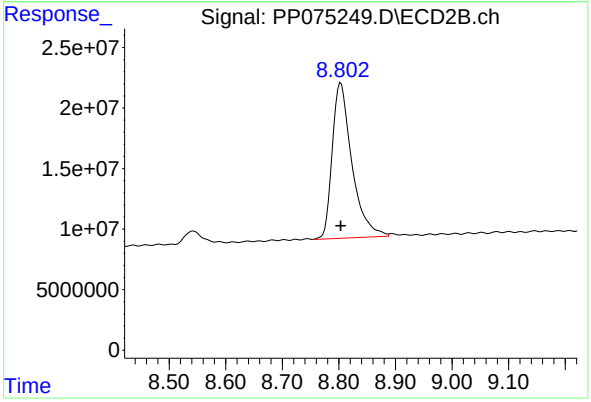
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 312903913
Conc: 50.00 ng/ml



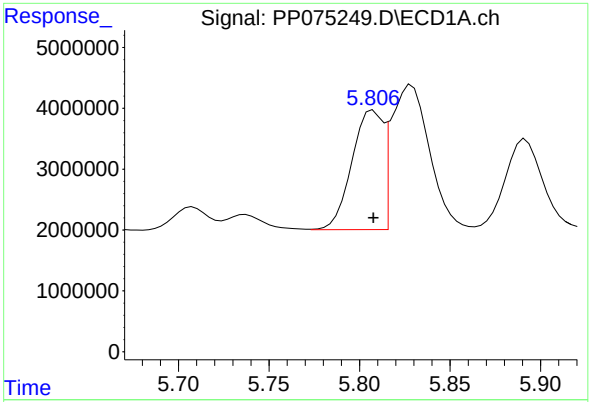
#2 Decachlorobiphenyl

R.T.: 10.434 min
Delta R.T.: 0.000 min
Response: 49328834
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

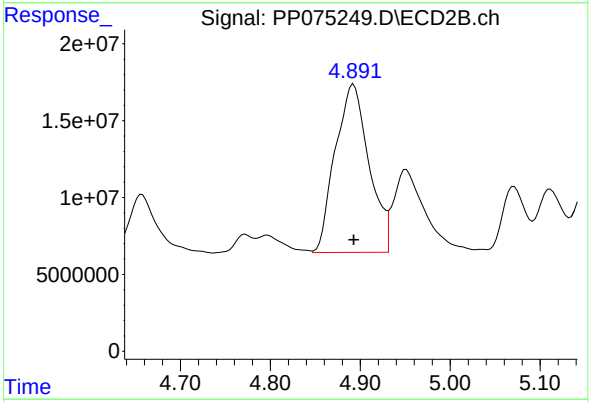
R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 310297120
Conc: 50.00 ng/ml



#3 AR-1016-1

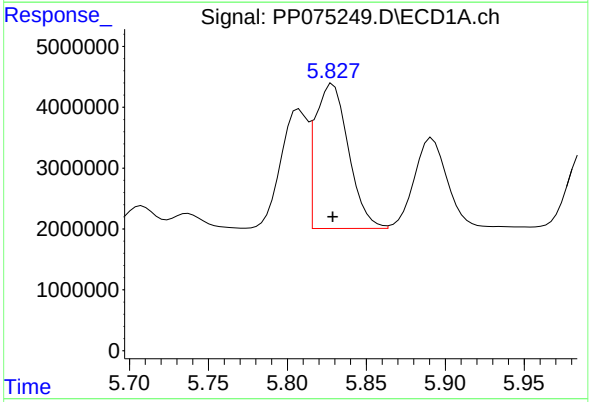
R.T.: 5.808 min
Delta R.T.: 0.000 min
Response: 23435085
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



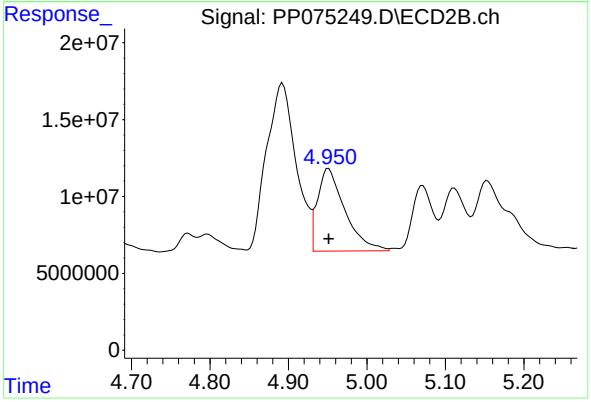
#3 AR-1016-1

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 285484304
Conc: 500.00 ng/ml



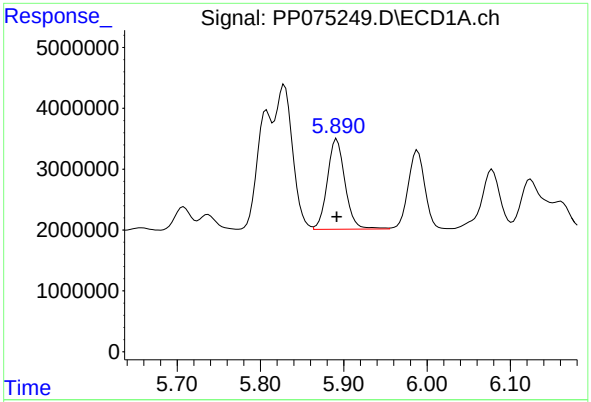
#4 AR-1016-2

R.T.: 5.829 min
Delta R.T.: 0.000 min
Response: 34830204
Conc: 500.00 ng/ml



#4 AR-1016-2

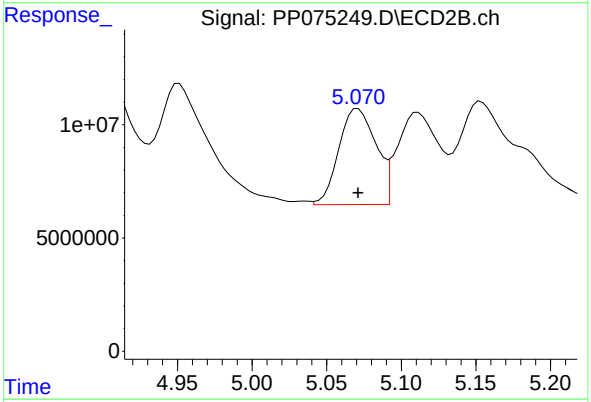
R.T.: 4.951 min
Delta R.T.: 0.000 min
Response: 130751869
Conc: 500.00 ng/ml



#5 AR-1016-3

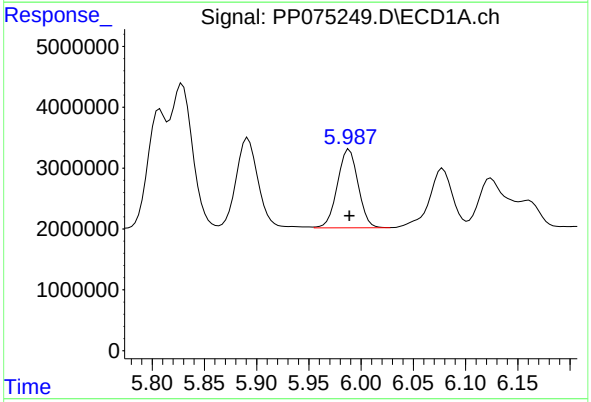
R.T.: 5.892 min
Delta R.T.: 0.000 min
Response: 21903834
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



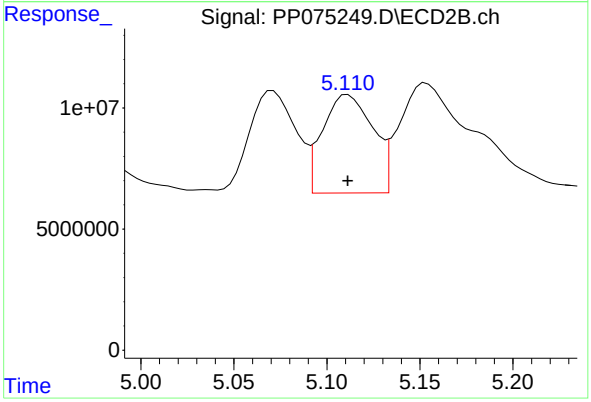
#5 AR-1016-3

R.T.: 5.071 min
Delta R.T.: 0.000 min
Response: 73508070
Conc: 500.00 ng/ml



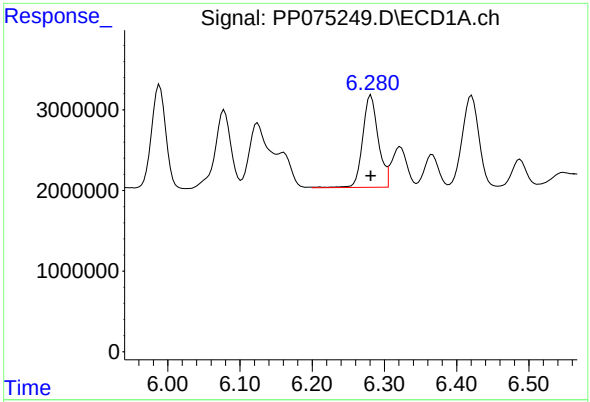
#6 AR-1016-4

R.T.: 5.989 min
Delta R.T.: 0.000 min
Response: 17778257
Conc: 500.00 ng/ml



#6 AR-1016-4

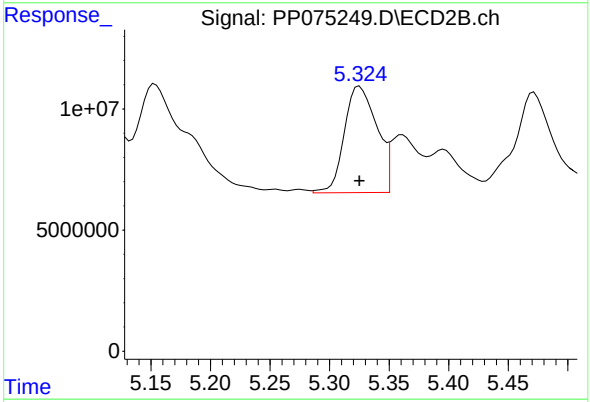
R.T.: 5.111 min
Delta R.T.: 0.000 min
Response: 76383773
Conc: 500.00 ng/ml



#7 AR-1016-5

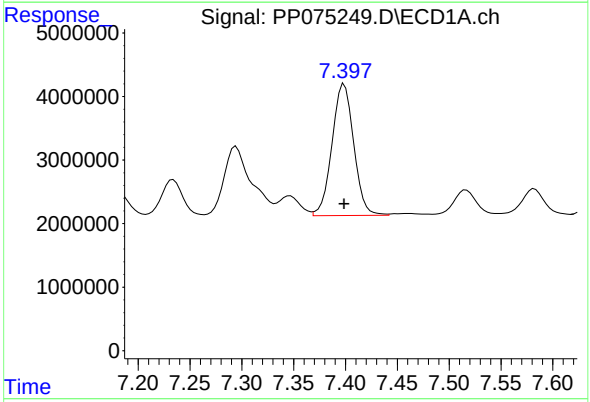
R.T.: 6.281 min
Delta R.T.: 0.000 min
Response: 17134187
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



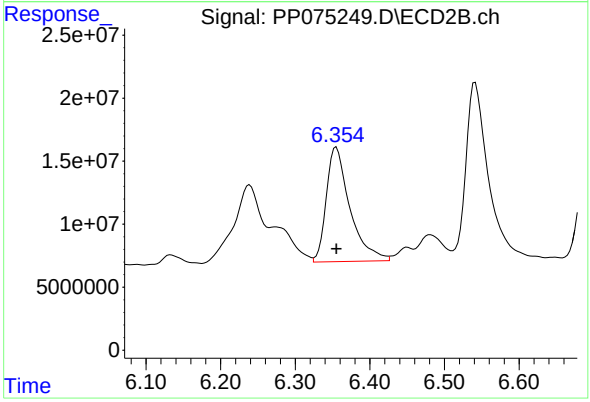
#7 AR-1016-5

R.T.: 5.325 min
Delta R.T.: 0.000 min
Response: 83579985
Conc: 500.00 ng/ml



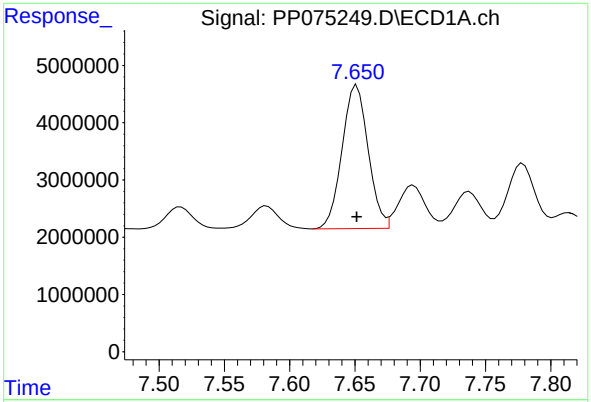
#31 AR-1260-1

R.T.: 7.399 min
Delta R.T.: 0.000 min
Response: 30275504
Conc: 500.00 ng/ml



#31 AR-1260-1

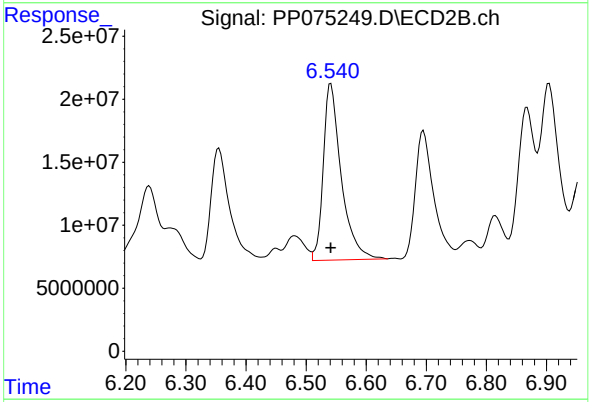
R.T.: 6.355 min
Delta R.T.: 0.000 min
Response: 200063470
Conc: 500.00 ng/ml



#32 AR-1260-2

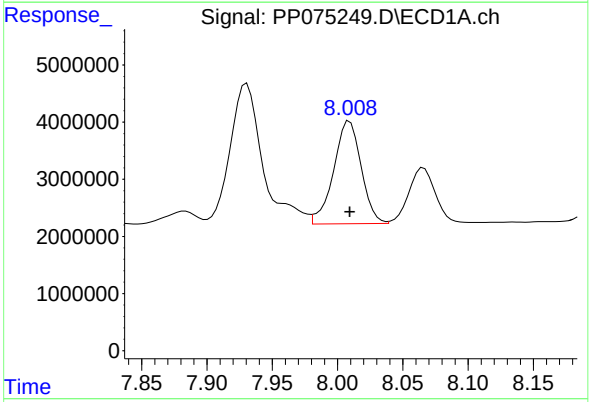
R.T.: 7.651 min
Delta R.T.: 0.000 min
Response: 34824278
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



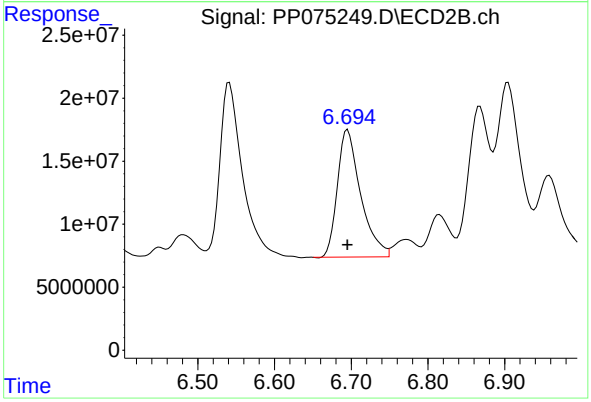
#32 AR-1260-2

R.T.: 6.541 min
Delta R.T.: 0.000 min
Response: 291451721
Conc: 500.00 ng/ml



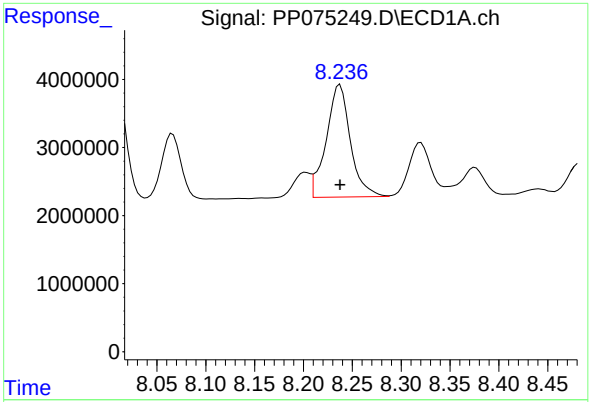
#33 AR-1260-3

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 26420619
Conc: 500.00 ng/ml



#33 AR-1260-3

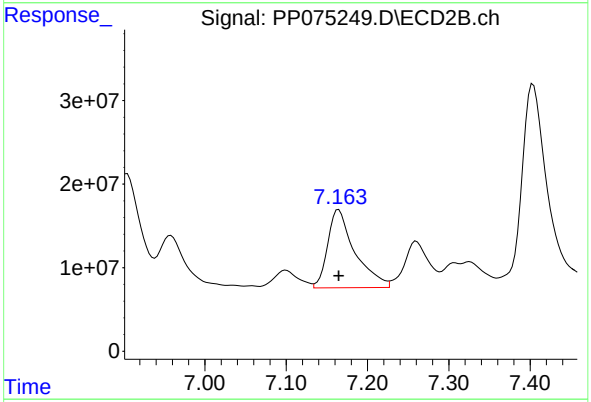
R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 213516702
Conc: 500.00 ng/ml



#34 AR-1260-4

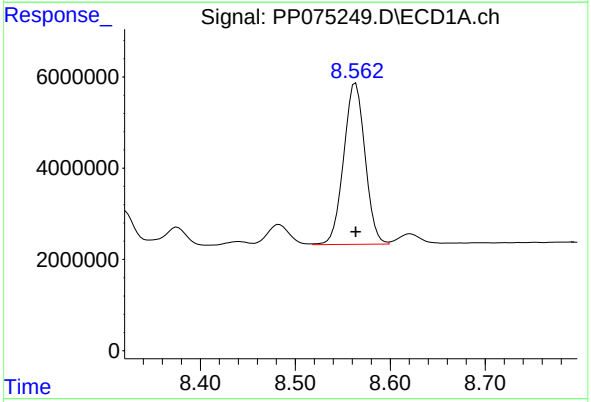
R.T.: 8.237 min
Delta R.T.: 0.000 min
Response: 28460709
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



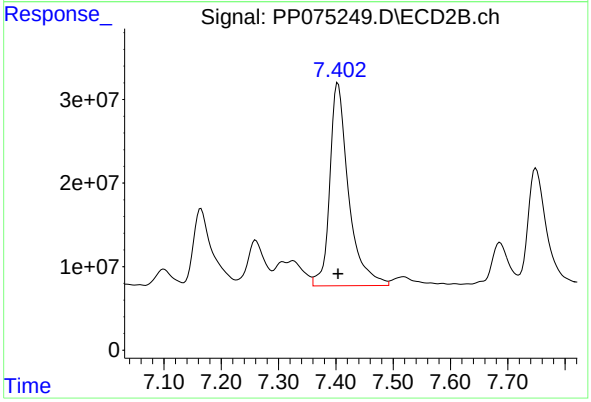
#34 AR-1260-4

R.T.: 7.165 min
Delta R.T.: 0.000 min
Response: 217441460
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.564 min
Delta R.T.: 0.000 min
Response: 55184634
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 553392852
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:34
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:25:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.655	3.796	34563643	157.0E6	26.359	24.549
2)	SA Decachlor...	10.434	8.803	25809061	158.9E6	26.458	25.477
	Target Compounds						
3)	L1 AR-1016-1	5.807	4.894	12538461	139.4E6	272.014	247.365
4)	L1 AR-1016-2	5.828	4.952	18566259	63148573	269.028	244.105
5)	L1 AR-1016-3	5.891	5.072	11837993	35142091	274.562	244.992
6)	L1 AR-1016-4	5.988	5.113	9584076	36742253	270.699	249.565
7)	L1 AR-1016-5	6.280	5.326	9259844	42918309	271.649	259.287
31)	L7 AR-1260-1	7.398	6.354	16026380	106.7E6	274.109	264.074
32)	L7 AR-1260-2	7.651	6.542	18926012	145.1E6	274.149	251.045
33)	L7 AR-1260-3	8.009	6.695	14058591	106.6E6	270.076	249.442
34)	L7 AR-1260-4	8.236	7.164	14811288	105.8E6	254.816m	246.162
35)	L7 AR-1260-5	8.563	7.404	28952377	273.5E6	265.722	250.867

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:34
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

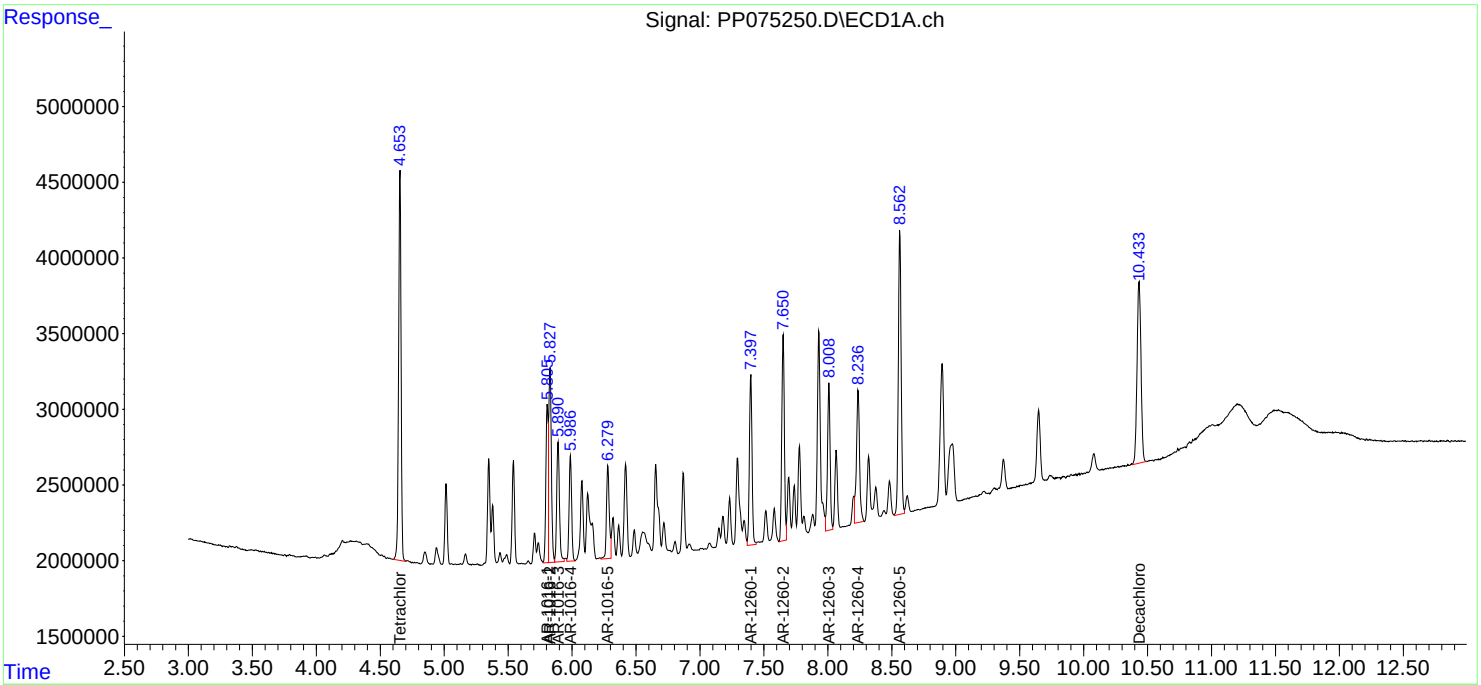
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

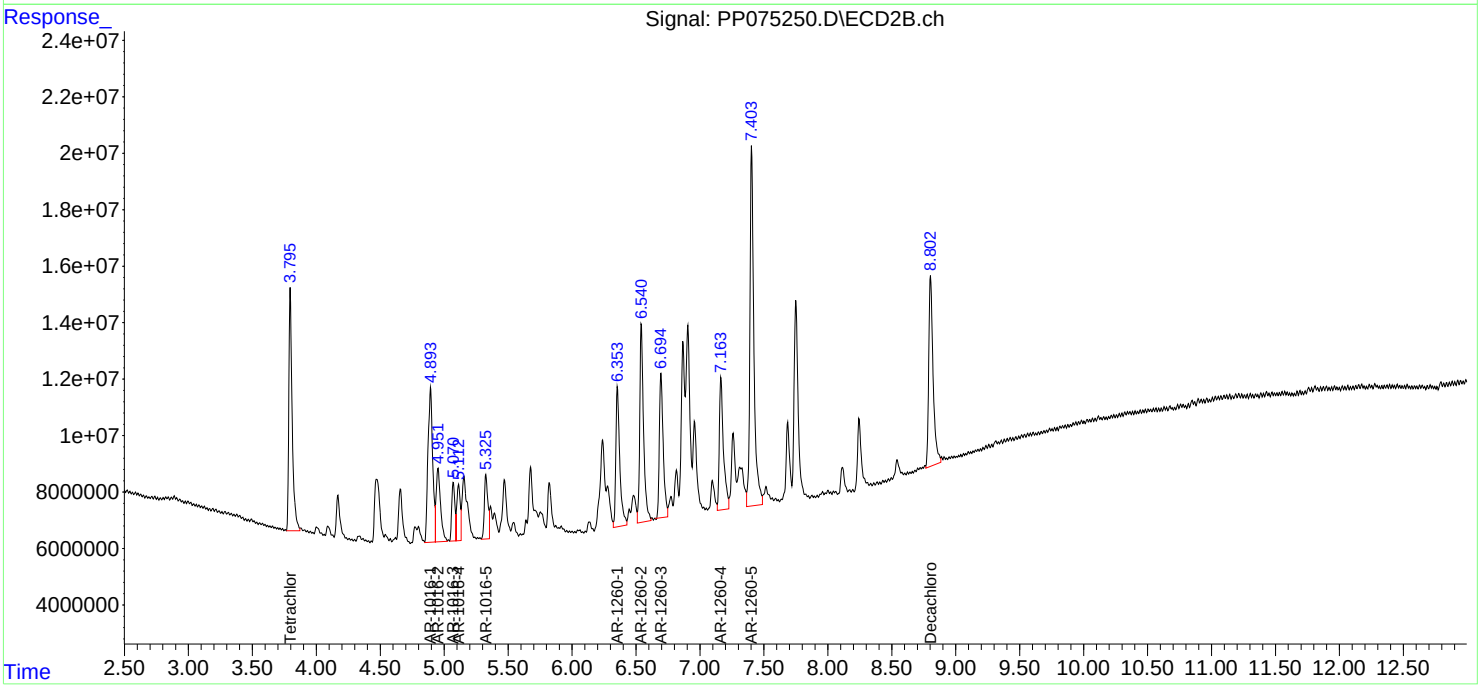
Manual Integrations APPROVED

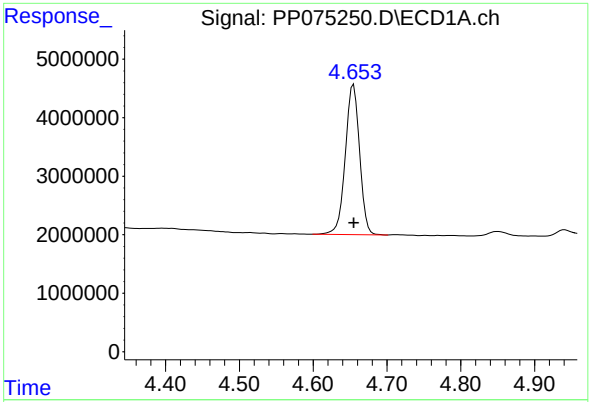
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:25:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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







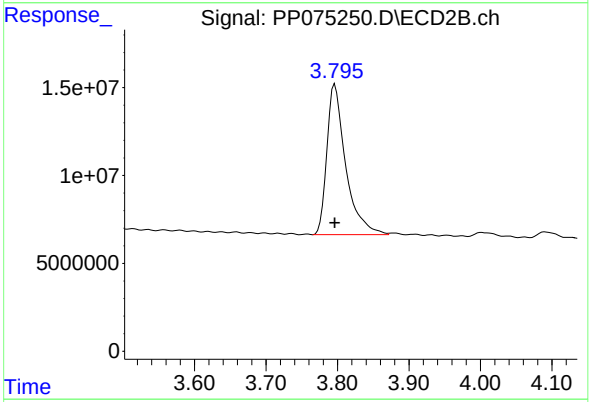
#1 Tetrachloro-m-xylene

R.T.: 4.655 min
Delta R.T.: 0.000 min
Response: 34563643
Conc: 26.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

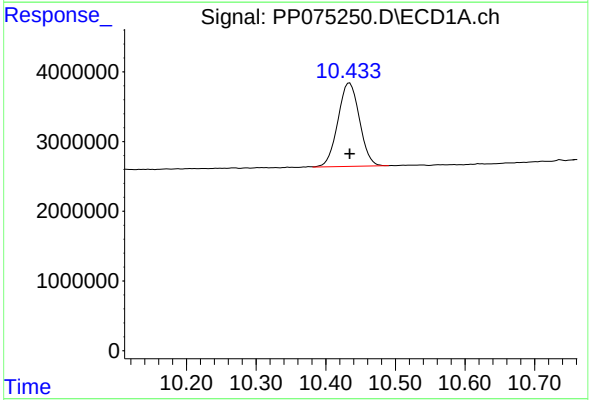
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



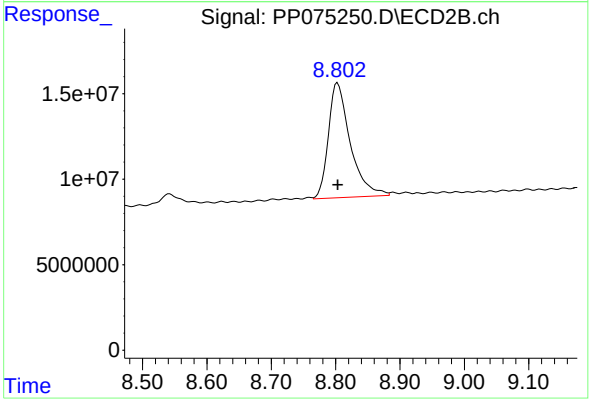
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 156950937
Conc: 24.55 ng/ml



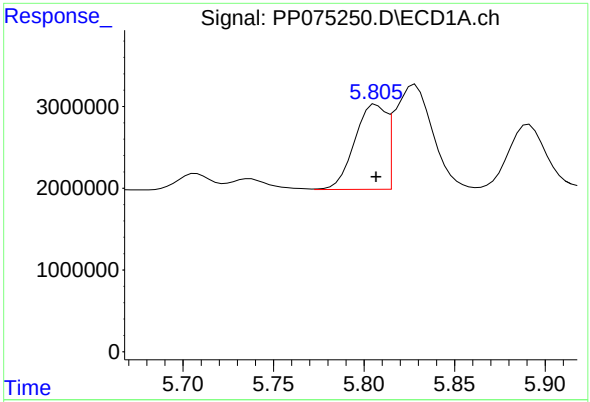
#2 Decachlorobiphenyl

R.T.: 10.434 min
Delta R.T.: 0.000 min
Response: 25809061
Conc: 26.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 158868308
Conc: 25.48 ng/ml



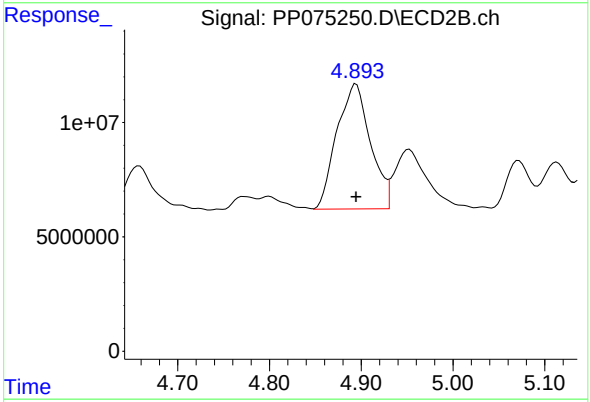
#3 AR-1016-1

R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 12538461
Conc: 272.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

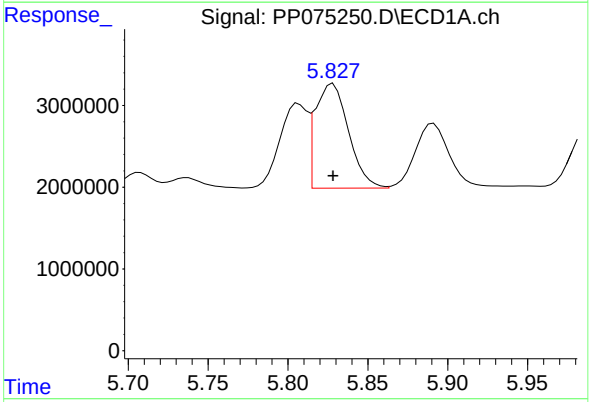
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



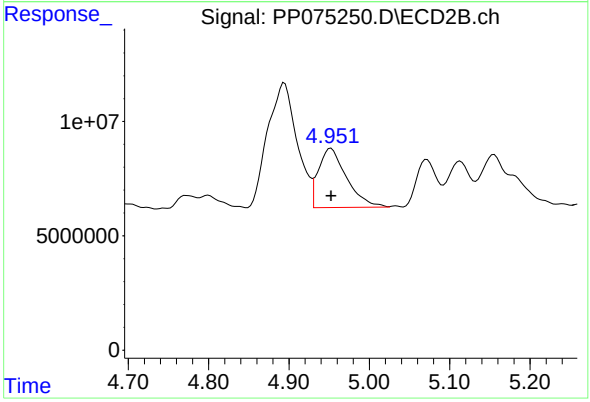
#3 AR-1016-1

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 139409723
Conc: 247.36 ng/ml



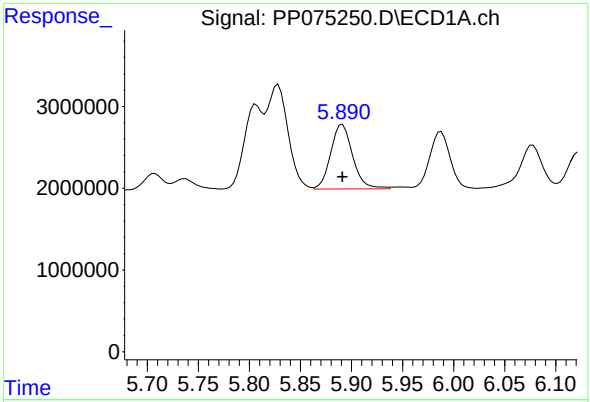
#4 AR-1016-2

R.T.: 5.828 min
Delta R.T.: 0.000 min
Response: 18566259
Conc: 269.03 ng/ml



#4 AR-1016-2

R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 63148573
Conc: 244.10 ng/ml



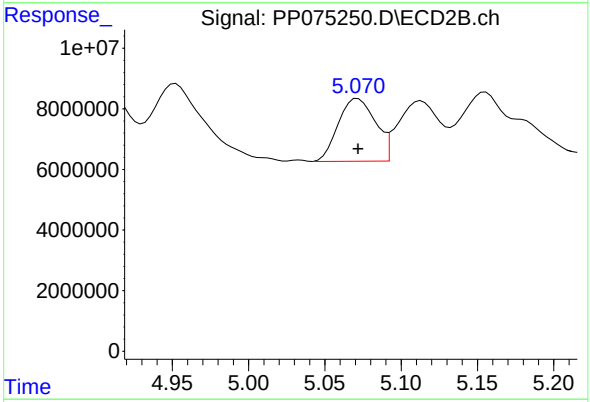
#5 AR-1016-3

R.T.: 5.891 min
Delta R.T.: 0.000 min
Response: 11837993
Conc: 274.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

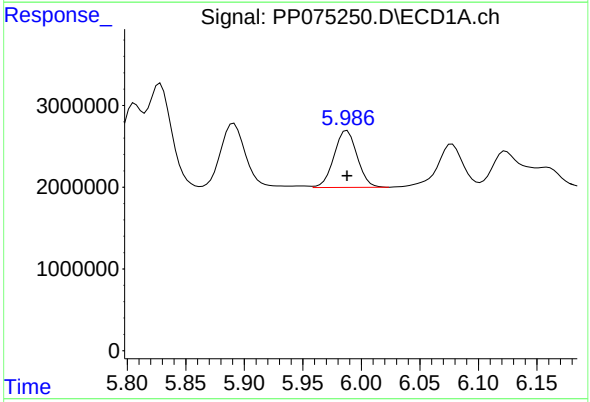
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



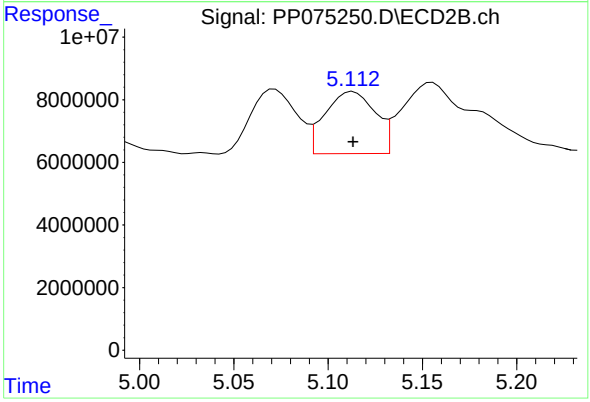
#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: 0.000 min
Response: 35142091
Conc: 244.99 ng/ml



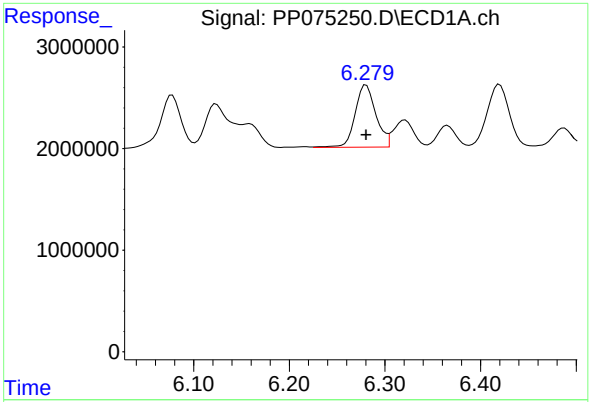
#6 AR-1016-4

R.T.: 5.988 min
Delta R.T.: 0.000 min
Response: 9584076
Conc: 270.70 ng/ml



#6 AR-1016-4

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 36742253
Conc: 249.56 ng/ml



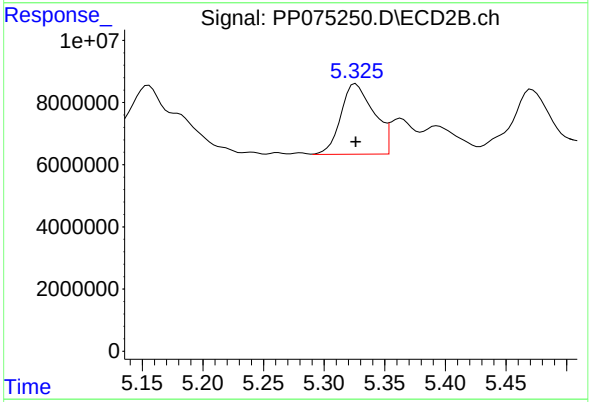
#7 AR-1016-5

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 9259844
Conc: 271.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

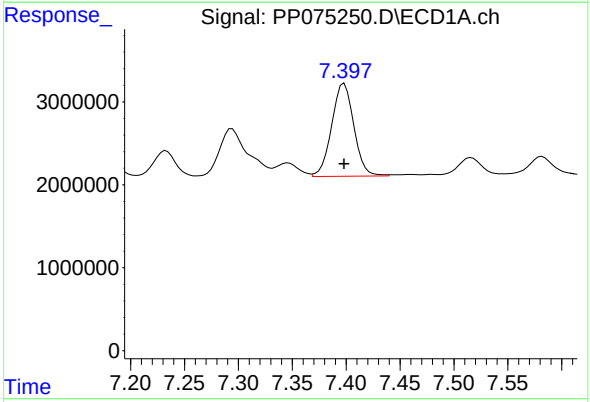
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



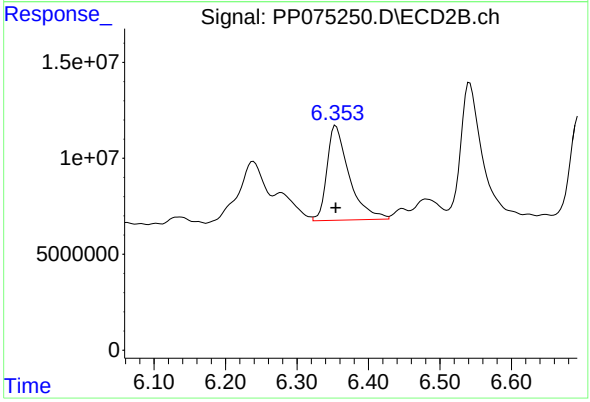
#7 AR-1016-5

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 42918309
Conc: 259.29 ng/ml



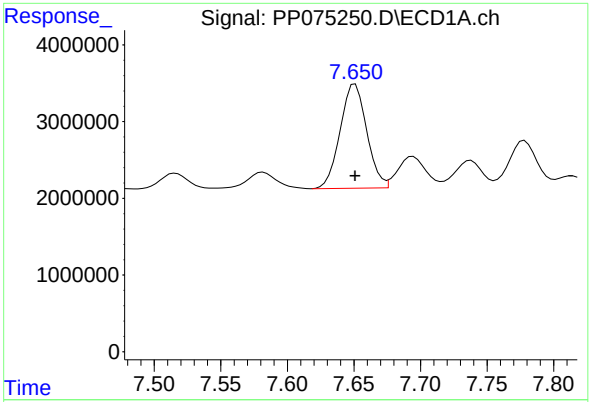
#31 AR-1260-1

R.T.: 7.398 min
Delta R.T.: 0.000 min
Response: 16026380
Conc: 274.11 ng/ml



#31 AR-1260-1

R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 106650518
Conc: 264.07 ng/ml



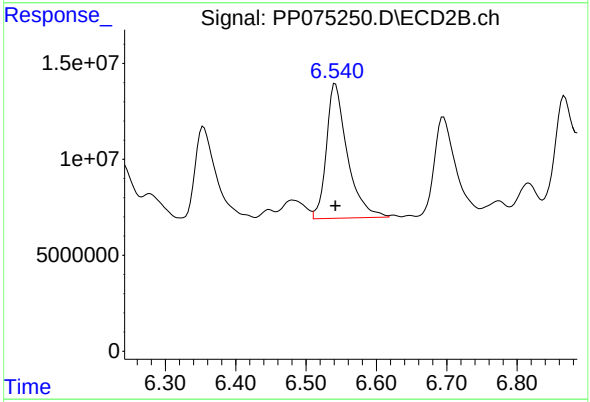
#32 AR-1260-2

R.T.: 7.651 min
Delta R.T.: 0.000 min
Response: 18926012
Conc: 274.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

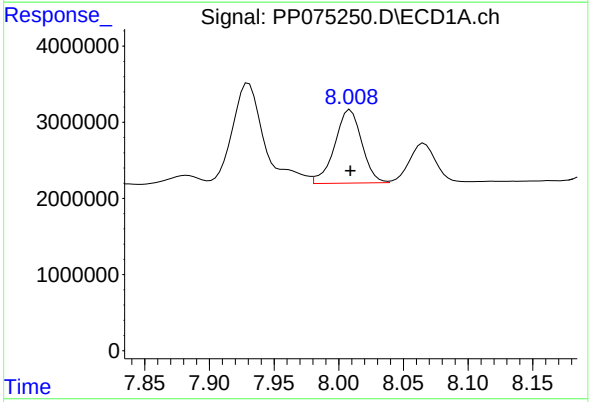
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



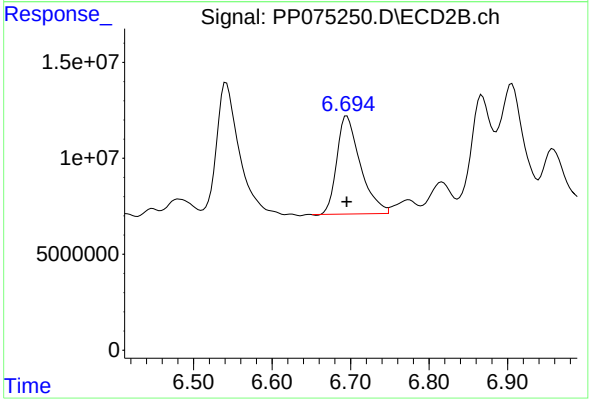
#32 AR-1260-2

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 145117614
Conc: 251.04 ng/ml



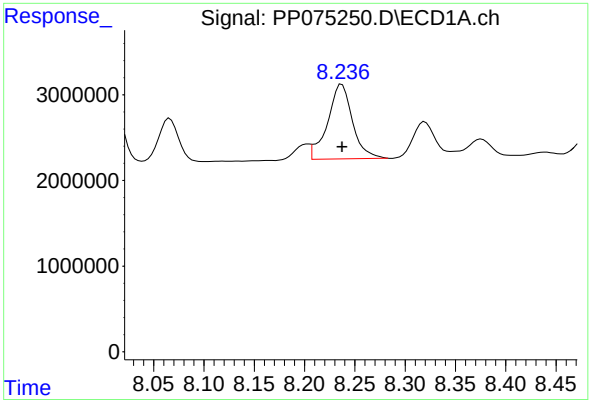
#33 AR-1260-3

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 14058591
Conc: 270.08 ng/ml



#33 AR-1260-3

R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 106550891
Conc: 249.44 ng/ml



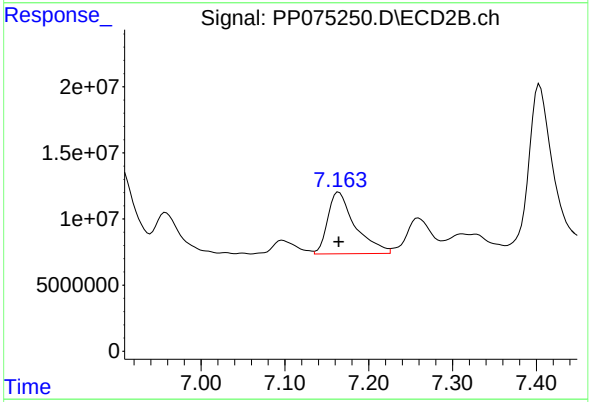
#34 AR-1260-4

R.T.: 8.236 min
Delta R.T.: -0.001 min
Response: 14811288
Conc: 254.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

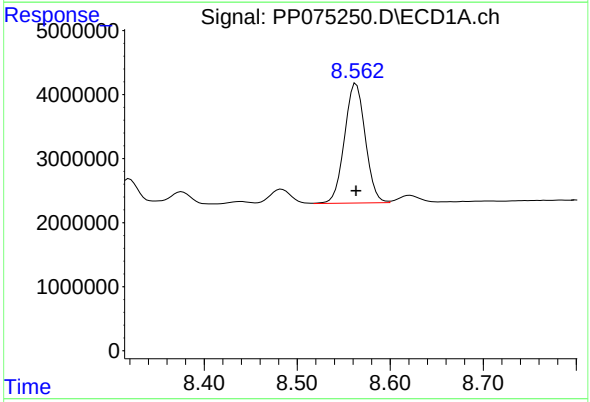
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



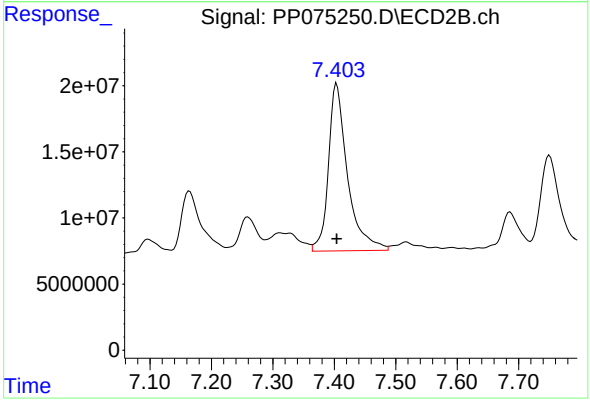
#34 AR-1260-4

R.T.: 7.164 min
Delta R.T.: 0.000 min
Response: 105797518
Conc: 246.16 ng/ml



#35 AR-1260-5

R.T.: 8.563 min
Delta R.T.: 0.000 min
Response: 28952377
Conc: 265.72 ng/ml



#35 AR-1260-5

R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 273534727
Conc: 250.87 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:11
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:30:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.662	3.796	6486797	24654655	4.958	4.041
2)	SA Decachlor...	10.447	8.810	5429214	26095826	5.432m	4.326
	Target Compounds						
3)	L1 AR-1016-1	5.815	4.897	2807205	27537434	58.356	49.085
4)	L1 AR-1016-2	5.837	4.954	4129694	12511665	57.574	48.683
5)	L1 AR-1016-3	5.898	5.071	3009502	10128766	65.402m	65.234
6)	L1 AR-1016-4	5.997	5.115	1828194	7296933	51.301	49.650
7)	L1 AR-1016-5	6.288	5.331	1612829	7740730	48.062m	47.378
31)	L7 AR-1260-1	7.406	6.357	3336459	20710780	56.486m	51.020
32)	L7 AR-1260-2	7.660	6.545	4392403	28346486	62.449	49.227
33)	L7 AR-1260-3	8.018	6.695	3125448	21589727	57.724	50.432m
34)	L7 AR-1260-4	8.246	7.168	2962892	21848445	51.832m	52.185
35)	L7 AR-1260-5	8.573	7.405	5660626	44925783	51.550	43.361m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:11
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

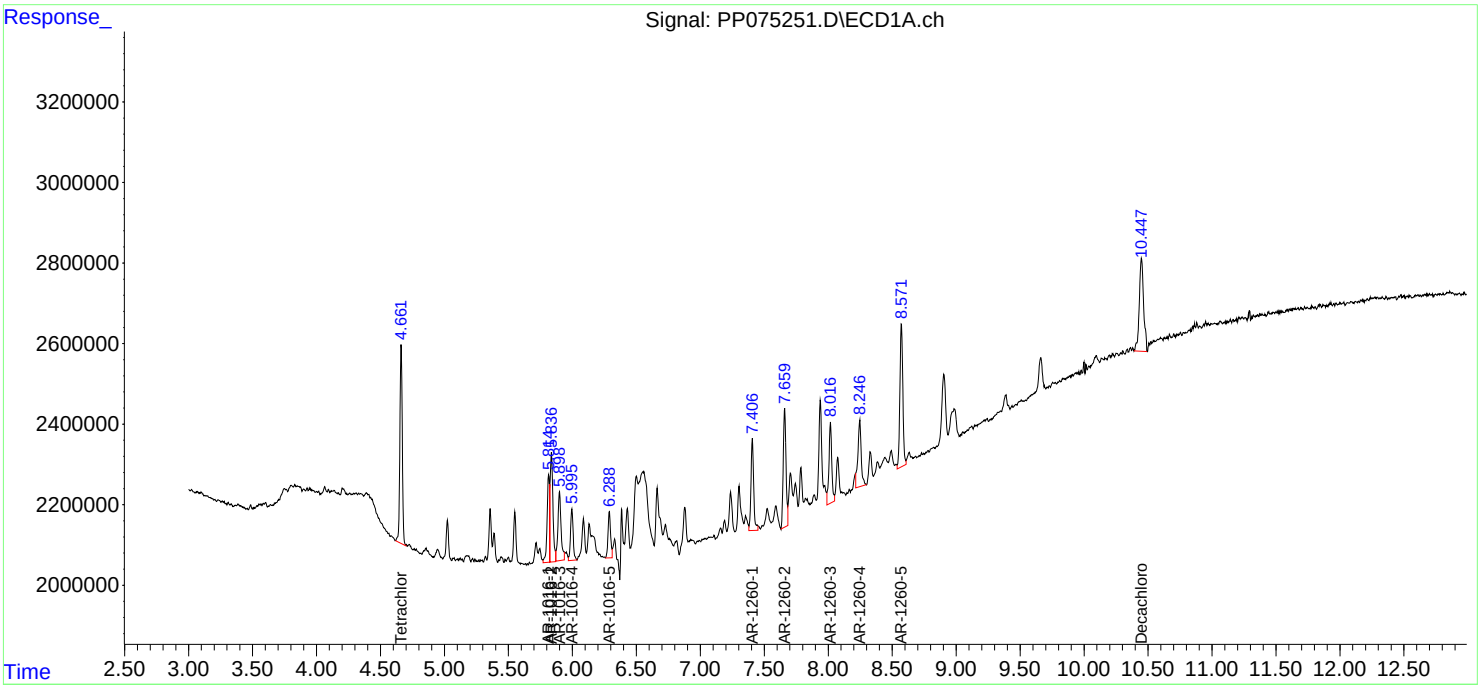
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

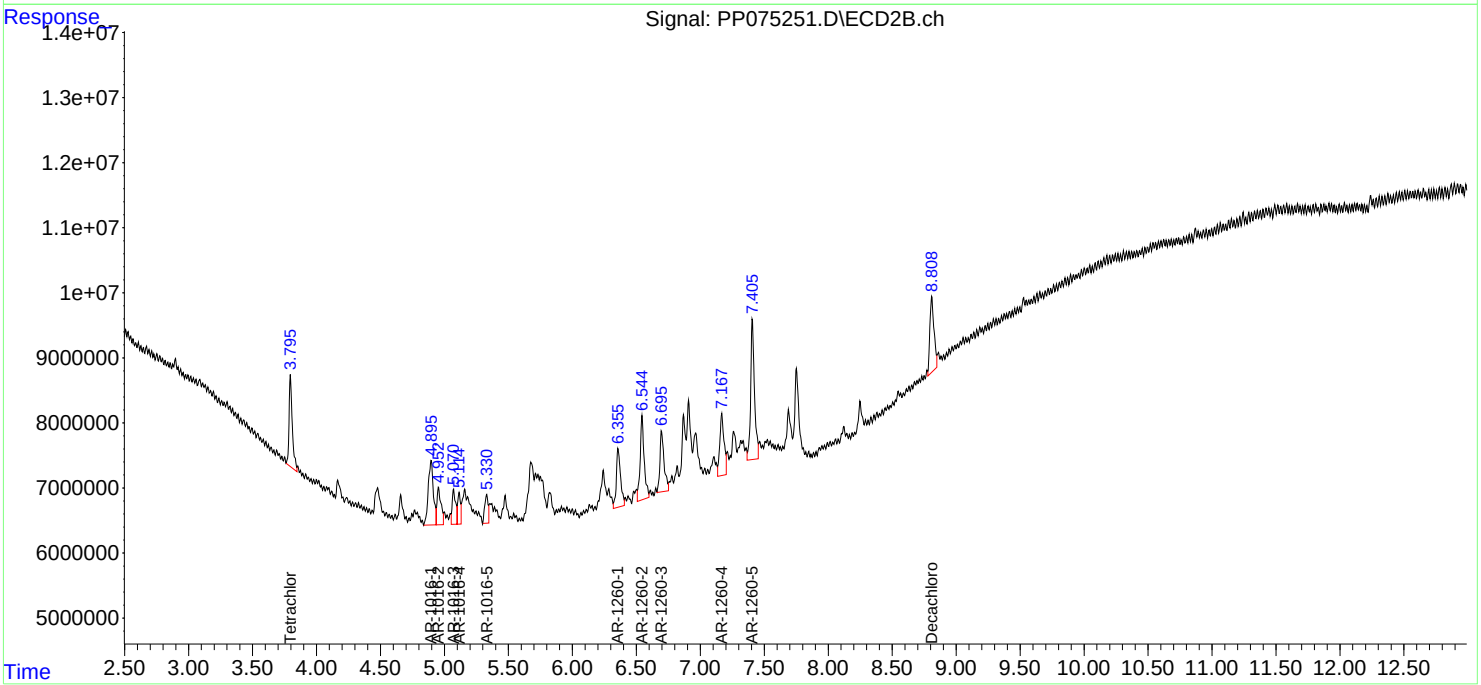
Manual Integrations APPROVED

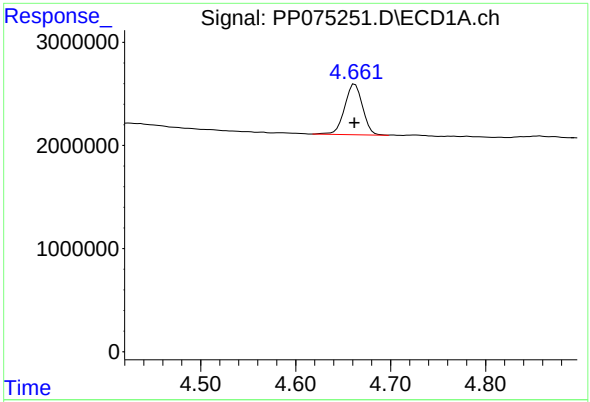
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:30:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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







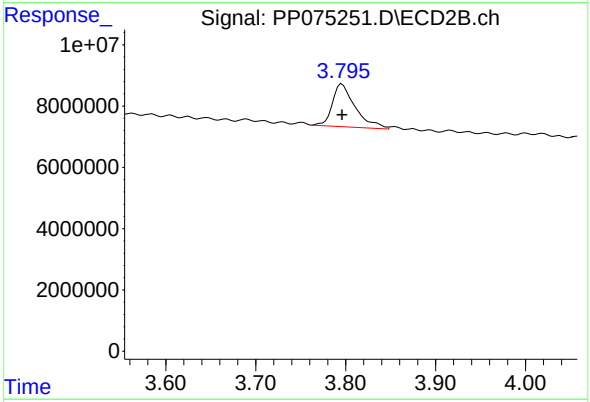
#1 Tetrachloro-m-xylene

R.T.: 4.662 min
Delta R.T.: 0.000 min
Response: 6486797
Conc: 4.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

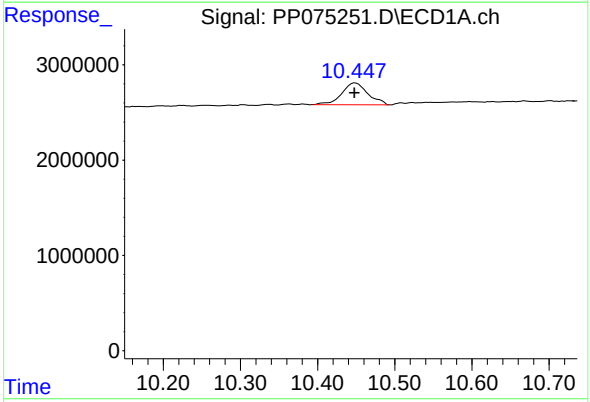
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



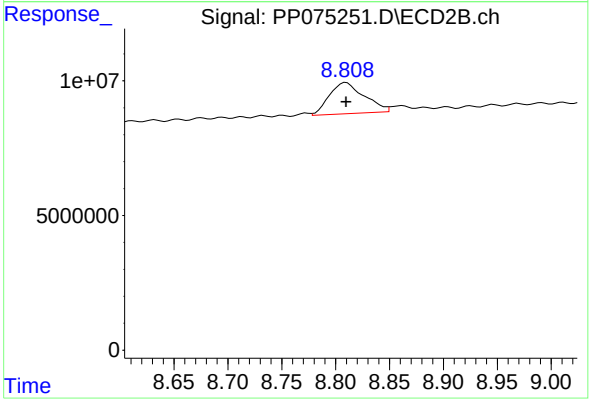
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 24654655
Conc: 4.04 ng/ml



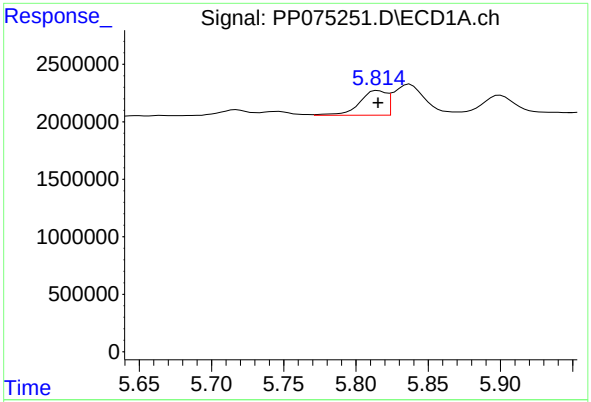
#2 Decachlorobiphenyl

R.T.: 10.447 min
Delta R.T.: 0.000 min
Response: 5429214
Conc: 5.43 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: 0.000 min
Response: 26095826
Conc: 4.33 ng/ml



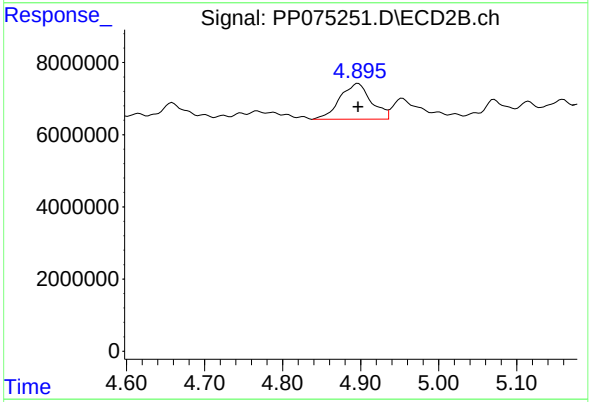
#3 AR-1016-1

R.T.: 5.815 min
Delta R.T.: 0.000 min
Response: 2807205
Conc: 58.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

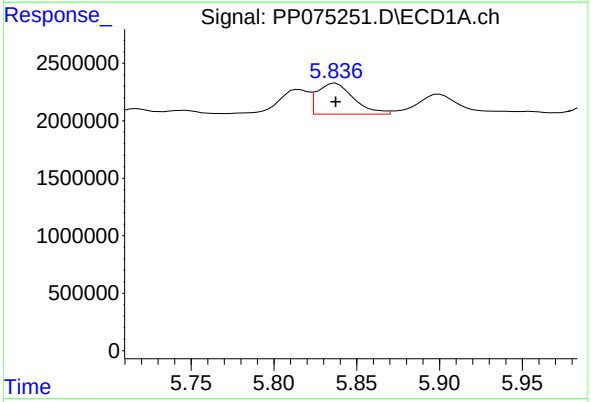
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



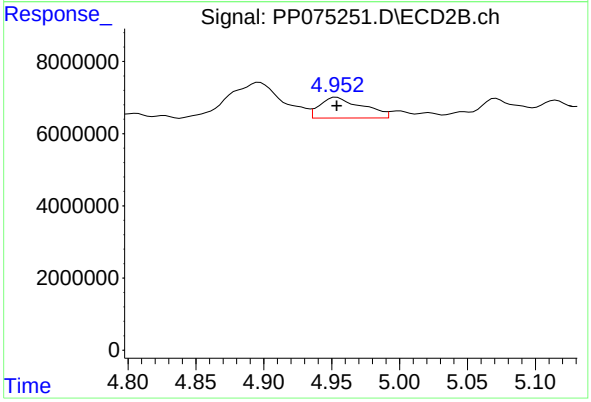
#3 AR-1016-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 27537434
Conc: 49.09 ng/ml



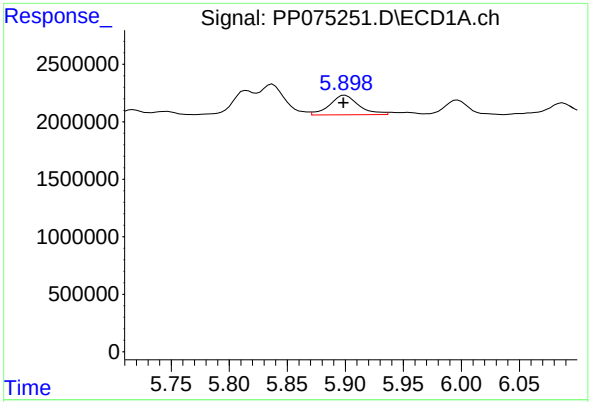
#4 AR-1016-2

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 4129694
Conc: 57.57 ng/ml



#4 AR-1016-2

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 12511665
Conc: 48.68 ng/ml



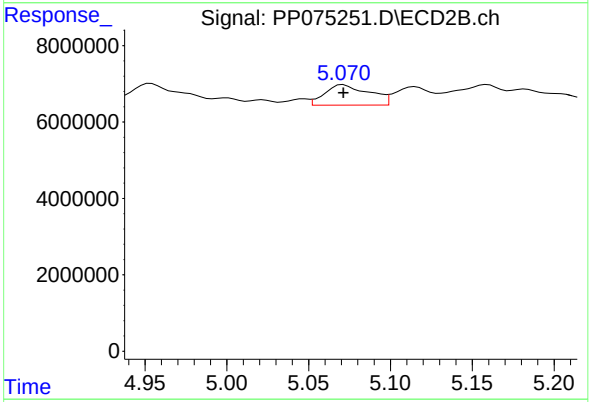
#5 AR-1016-3

R.T.: 5.898 min
Delta R.T.: 0.000 min
Response: 3009502
Conc: 65.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

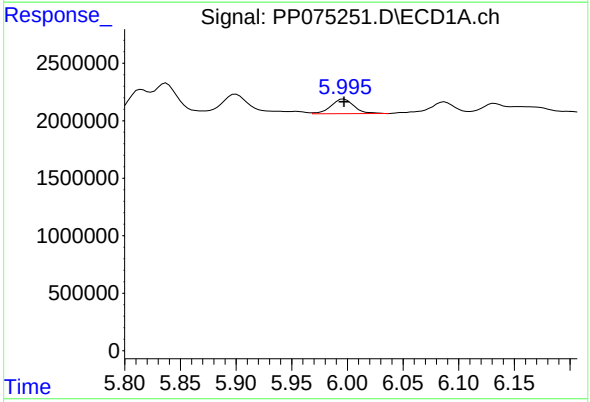
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



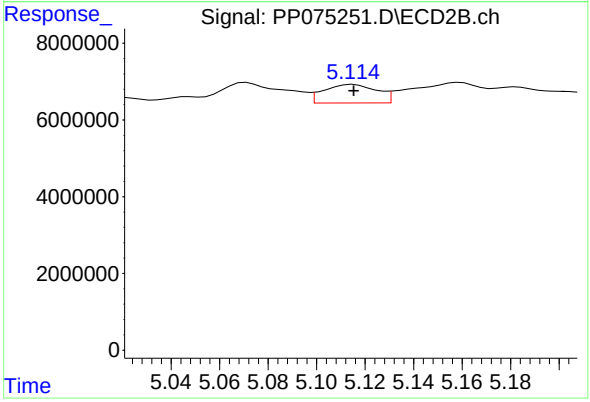
#5 AR-1016-3

R.T.: 5.071 min
Delta R.T.: 0.000 min
Response: 10128766
Conc: 65.23 ng/ml



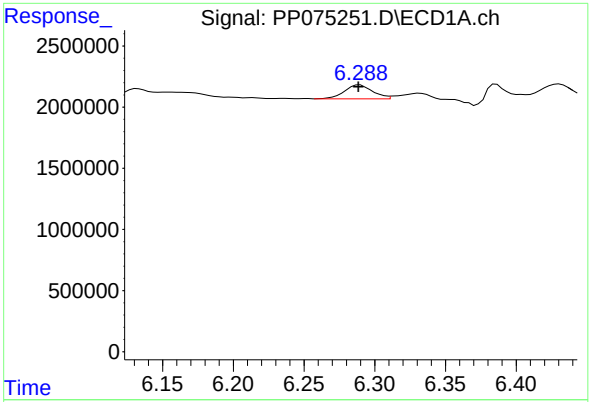
#6 AR-1016-4

R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 1828194
Conc: 51.30 ng/ml



#6 AR-1016-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 7296933
Conc: 49.65 ng/ml



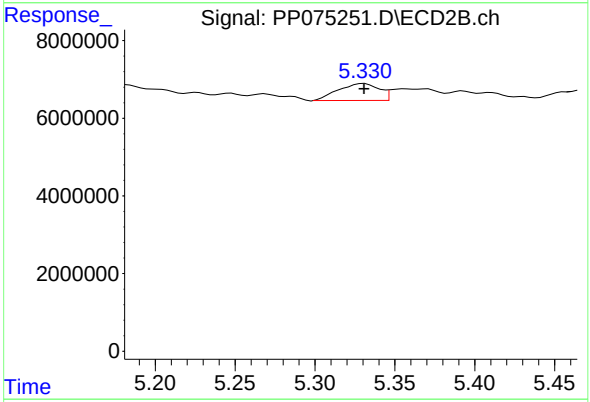
#7 AR-1016-5

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 1612829
Conc: 48.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

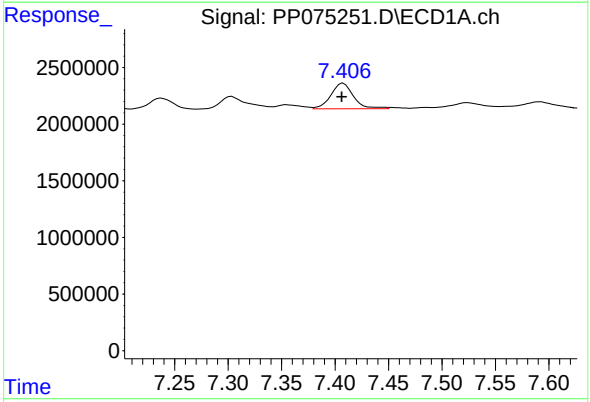
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



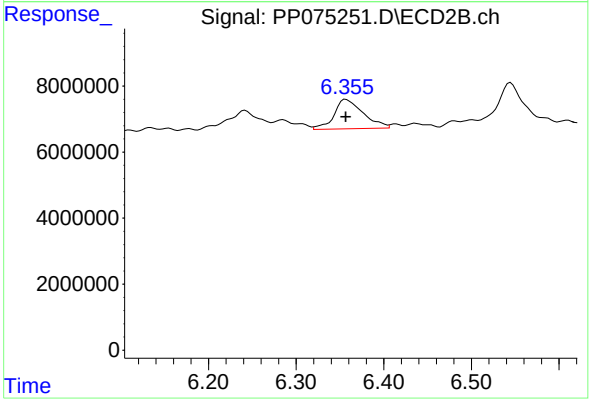
#7 AR-1016-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 7740730
Conc: 47.38 ng/ml



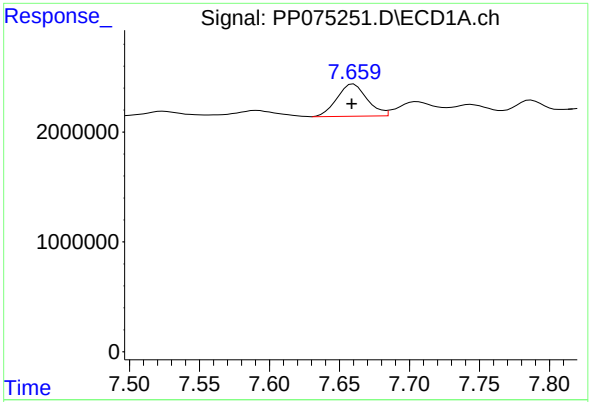
#31 AR-1260-1

R.T.: 7.406 min
Delta R.T.: 0.000 min
Response: 3336459
Conc: 56.49 ng/ml m



#31 AR-1260-1

R.T.: 6.357 min
Delta R.T.: 0.000 min
Response: 20710780
Conc: 51.02 ng/ml



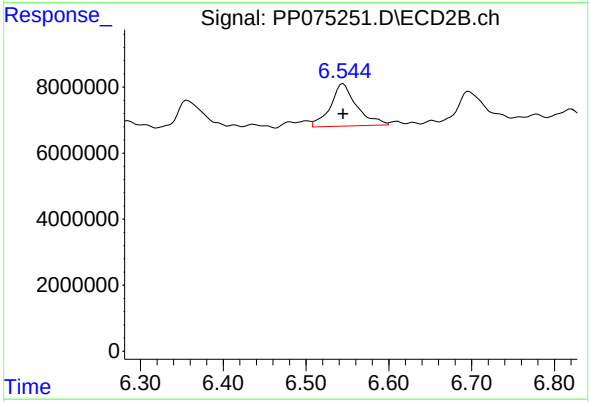
#32 AR-1260-2

R.T.: 7.660 min
Delta R.T.: 0.001 min
Response: 4392403
Conc: 62.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

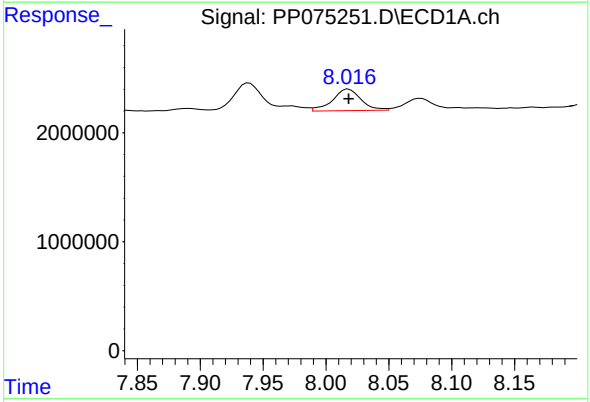
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



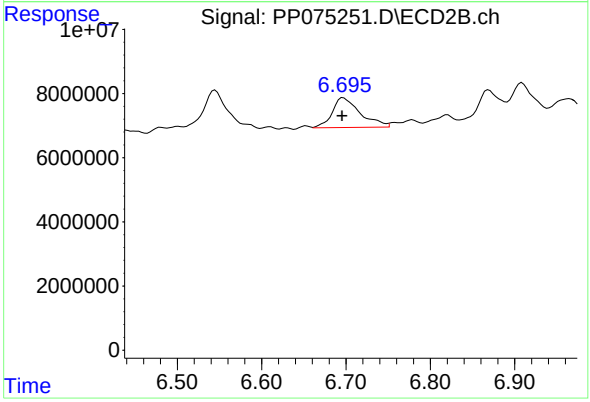
#32 AR-1260-2

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 28346486
Conc: 49.23 ng/ml



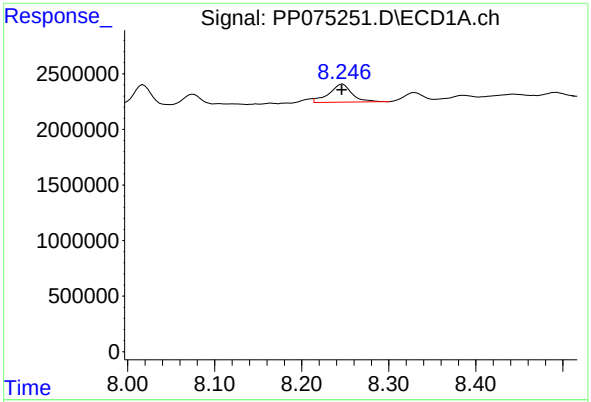
#33 AR-1260-3

R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 3125448
Conc: 57.72 ng/ml



#33 AR-1260-3

R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 21589727
Conc: 50.43 ng/ml m



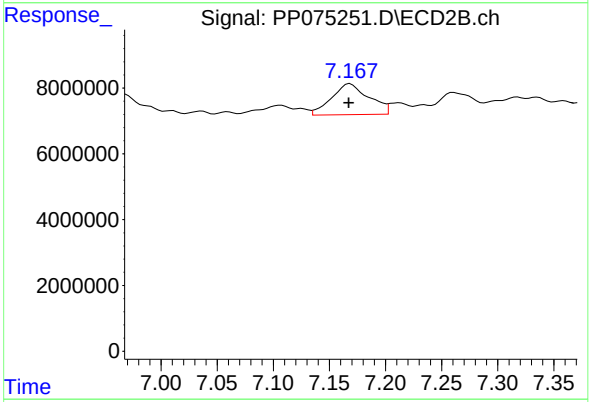
#34 AR-1260-4

R.T.: 8.246 min
Delta R.T.: 0.000 min
Response: 2962892
Conc: 51.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

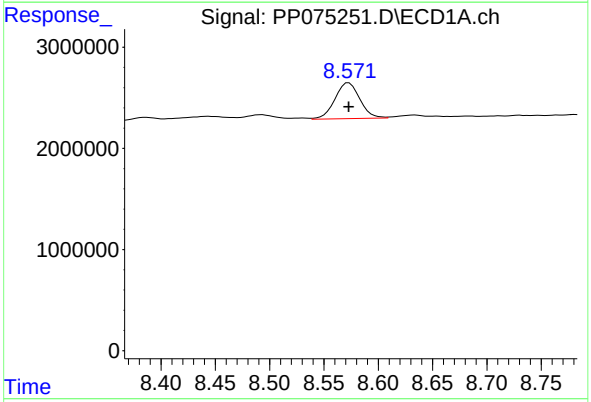
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



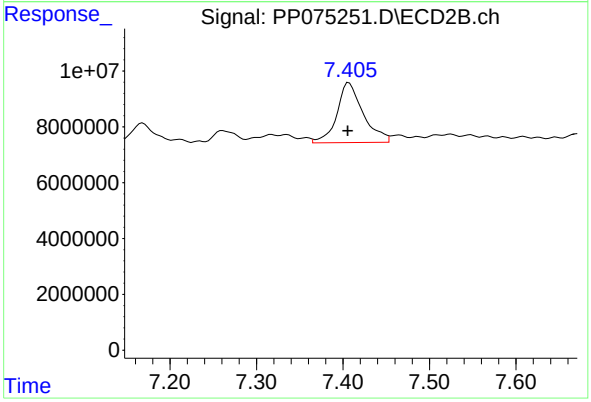
#34 AR-1260-4

R.T.: 7.168 min
Delta R.T.: 0.001 min
Response: 21848445
Conc: 52.18 ng/ml



#35 AR-1260-5

R.T.: 8.573 min
Delta R.T.: 0.000 min
Response: 5660626
Conc: 51.55 ng/ml



#35 AR-1260-5

R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 44925783
Conc: 43.36 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:27
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: Sep 23 12:52:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:52:01 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...	4.660	3.797	66333410	311.2E6	50.000	50.000
2)	SA Decachlor...	10.443	8.805	49168629	311.8E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.860	4.008	9245327	38238805	500.000	500.000
9)	L2 AR-1221-2	4.946	4.093	6848929	26131566	500.000	500.000
10)	L2 AR-1221-3	5.021	4.168	20698858	95202751	500.000	500.000

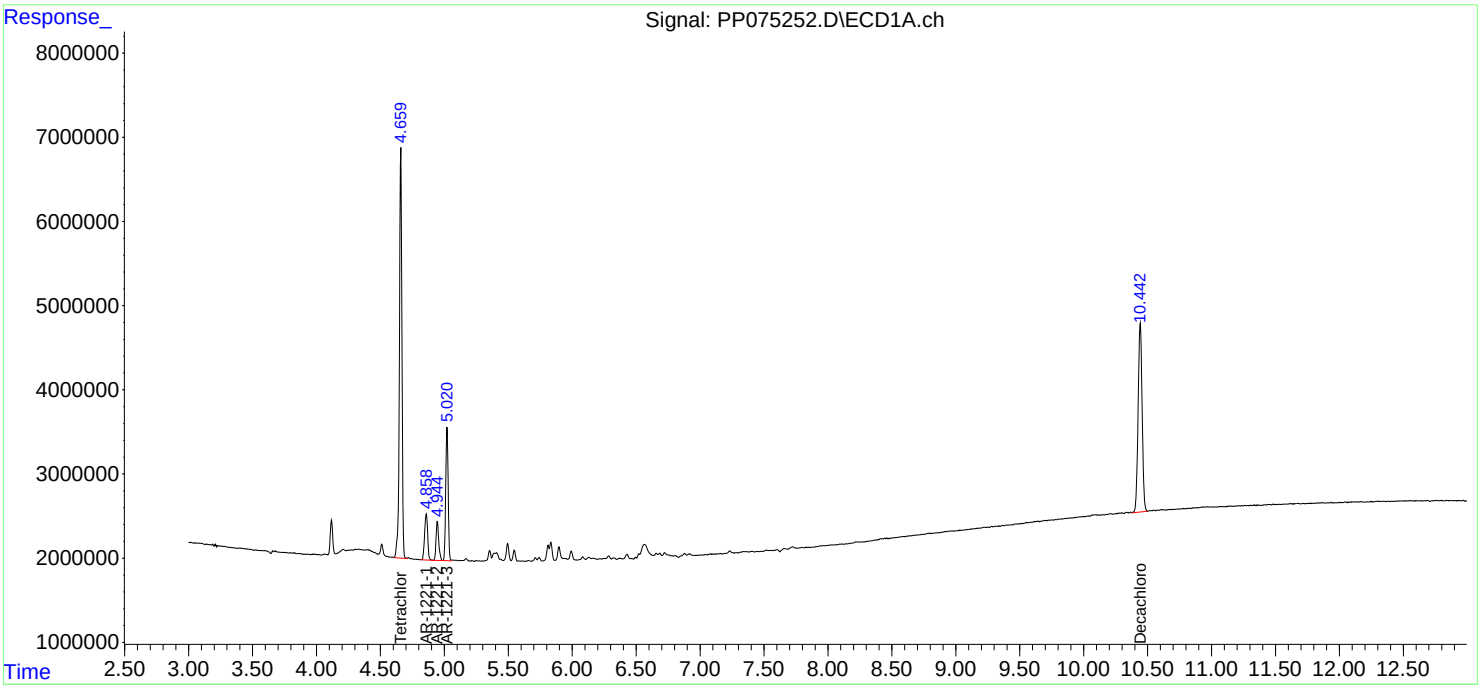
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

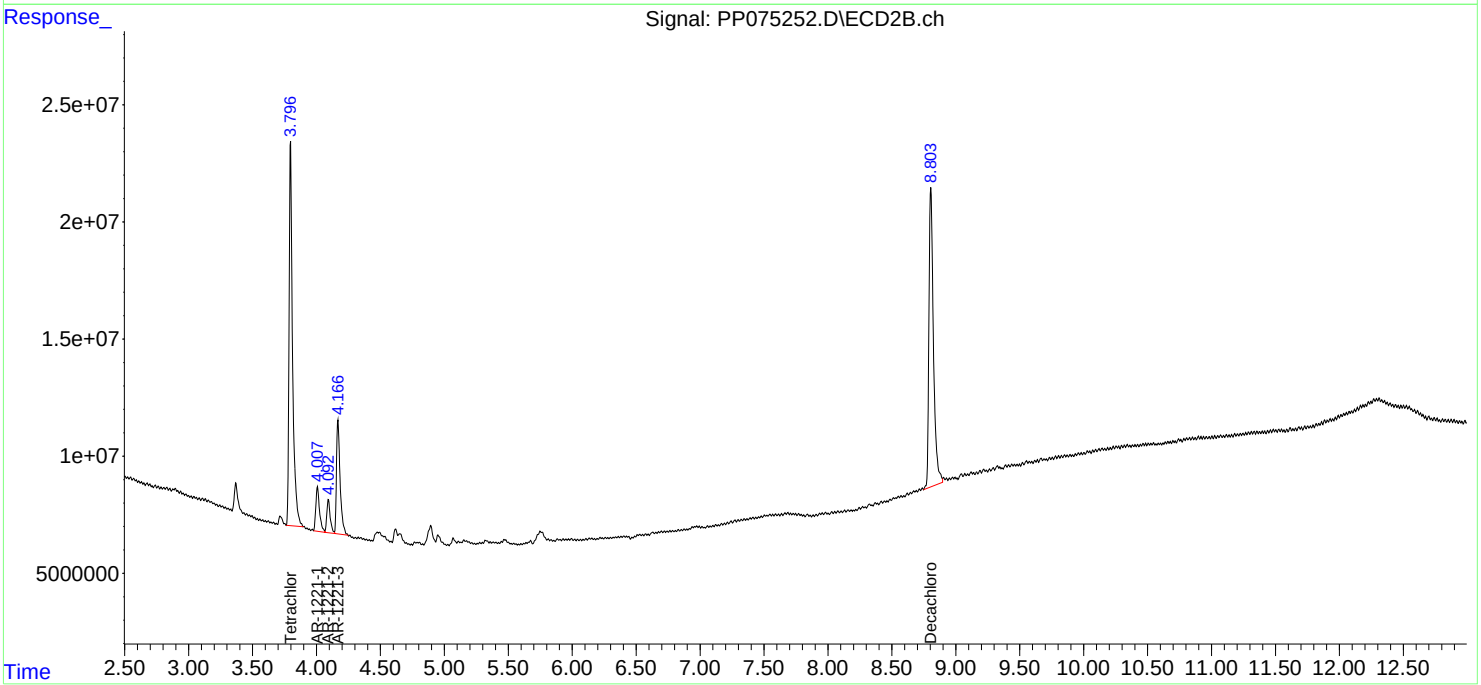
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:27
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

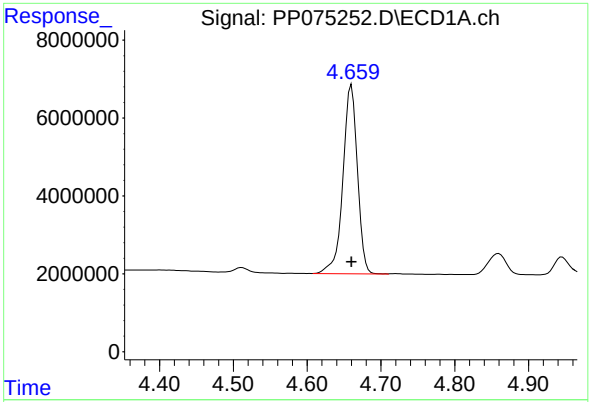
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:52:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:52:01 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



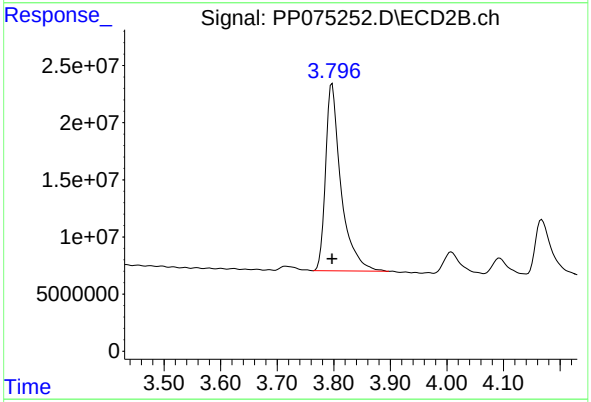




#1 Tetrachloro-m-xylene

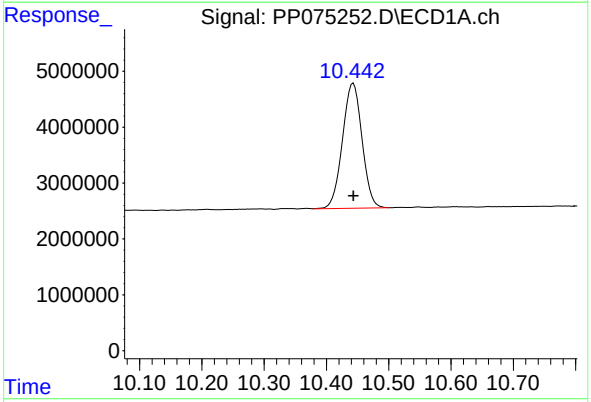
R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 66333410
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



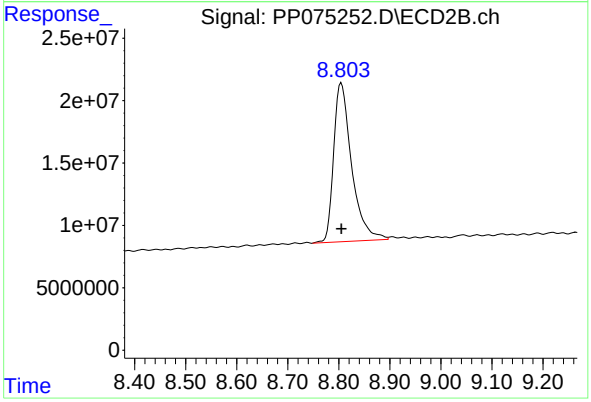
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 311163134
Conc: 50.00 ng/ml



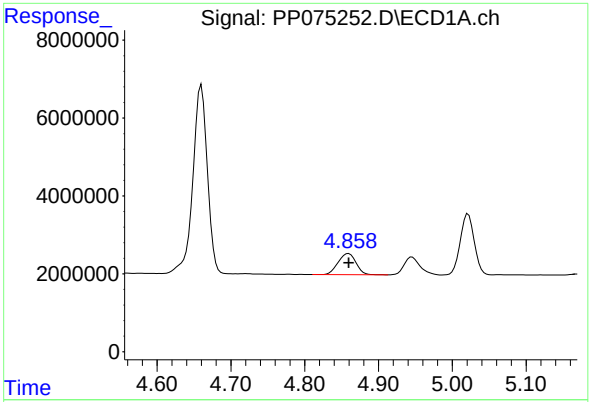
#2 Decachlorobiphenyl

R.T.: 10.443 min
Delta R.T.: 0.000 min
Response: 49168629
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

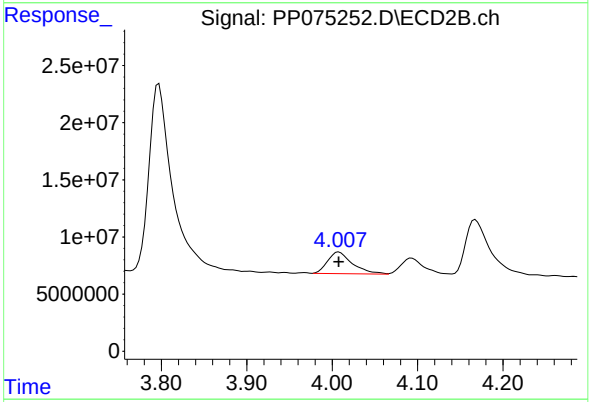
R.T.: 8.805 min
Delta R.T.: 0.000 min
Response: 311812597
Conc: 50.00 ng/ml



#8 AR-1221-1

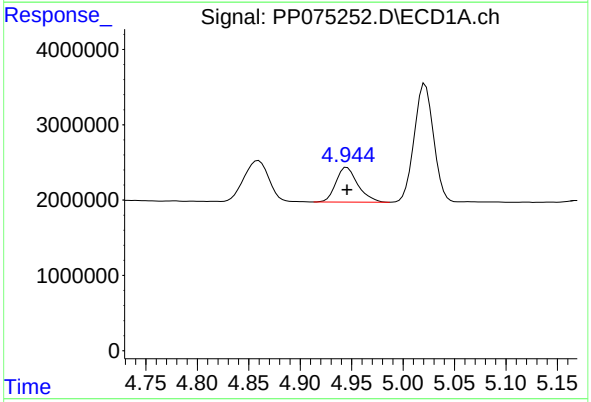
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 9245327
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



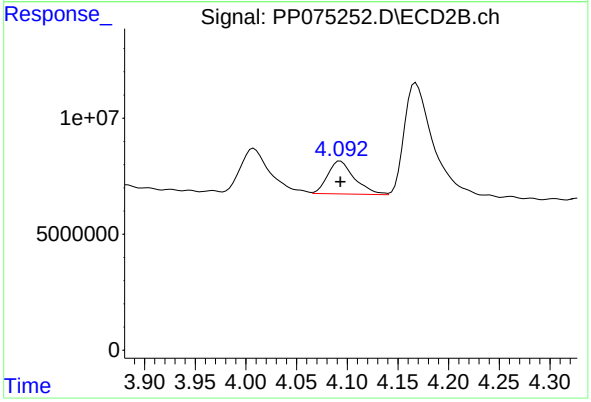
#8 AR-1221-1

R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 38238805
Conc: 500.00 ng/ml



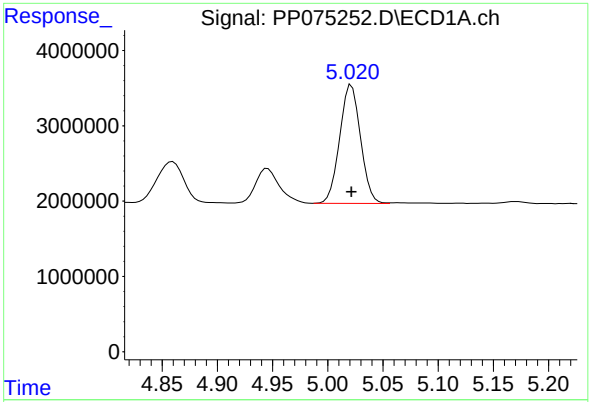
#9 AR-1221-2

R.T.: 4.946 min
Delta R.T.: 0.000 min
Response: 6848929
Conc: 500.00 ng/ml



#9 AR-1221-2

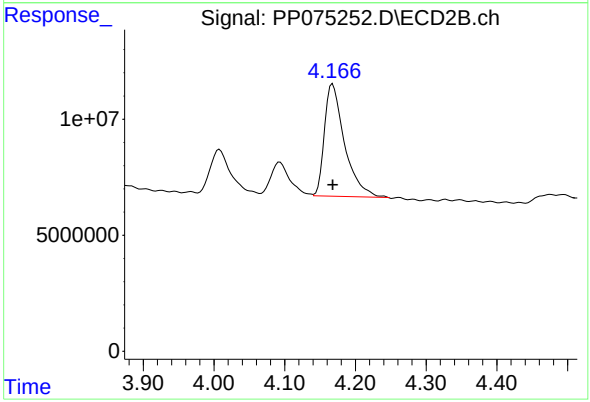
R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 26131566
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 5.021 min
Delta R.T.: 0.000 min
Response: 20698858
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 95202751
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:43
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: Sep 23 13:16:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:16:43 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...	4.657	3.797	66756778	323.1E6	50.000	50.000
2)	SA Decachlor...	10.440	8.805	50078510	307.1E6	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	5.018	4.168	16057787	73283142	500.000	500.000
12)	L3 AR-1232-2	5.544	4.894	8387436	126.1E6	500.000	500.000
13)	L3 AR-1232-3	5.831	5.071	16720373	31507455	500.000	500.000
14)	L3 AR-1232-4	5.990	5.154	8649563	51581797	500.000	500.000
15)	L3 AR-1232-5	6.080	5.326	6002207	32023272	500.000	500.000

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

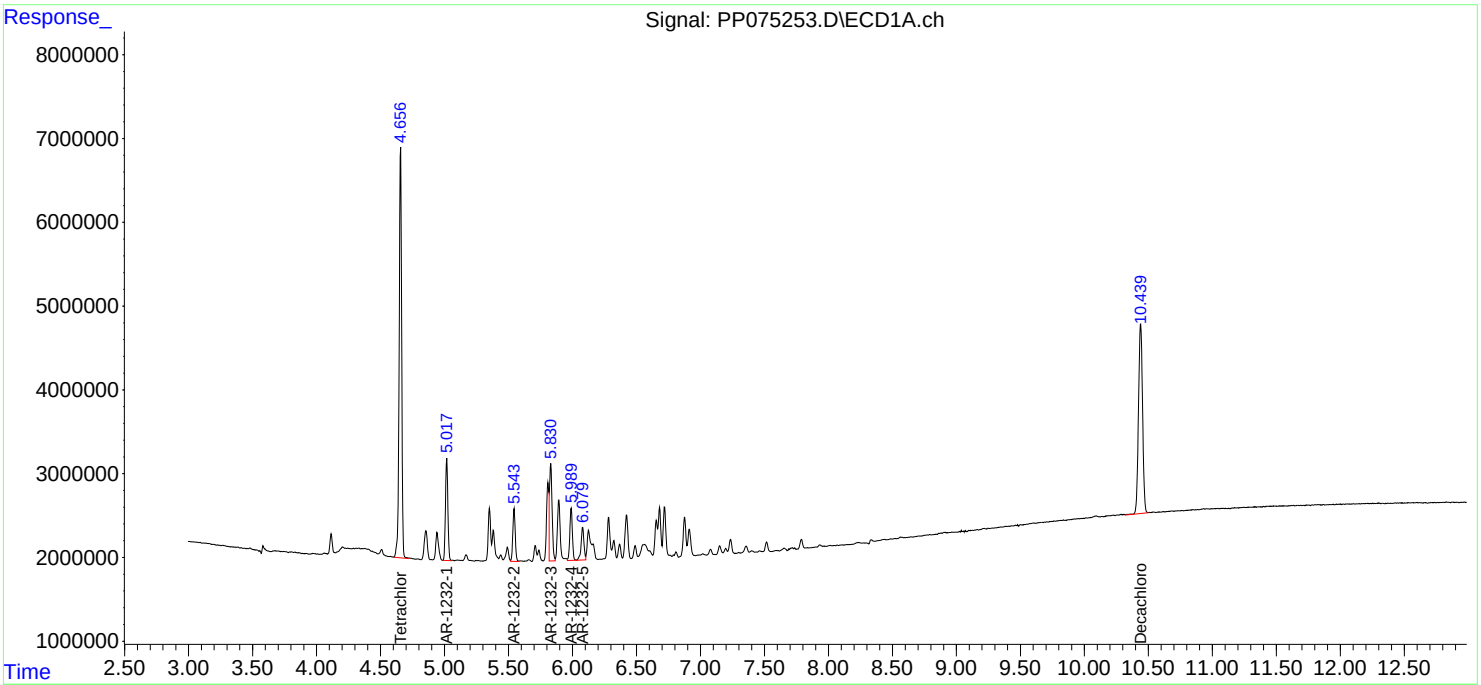
ICAL Form

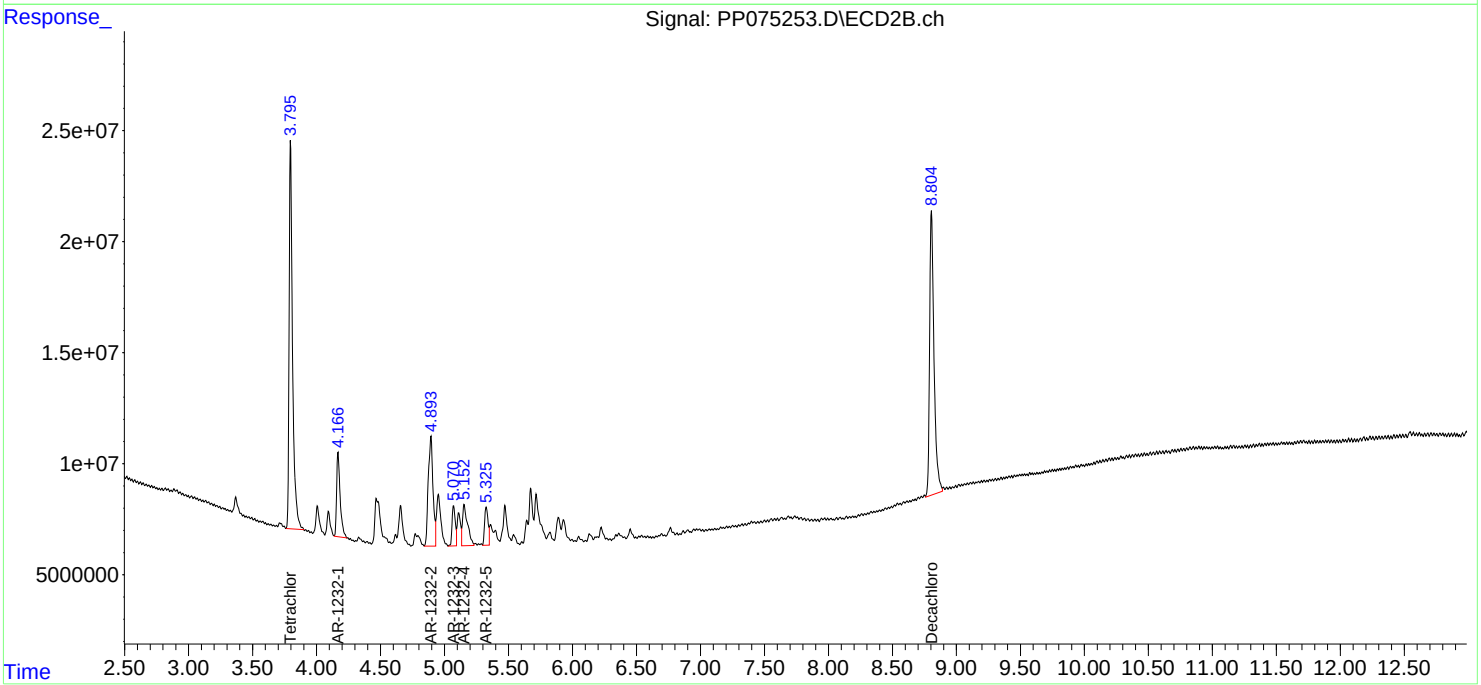
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:43
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

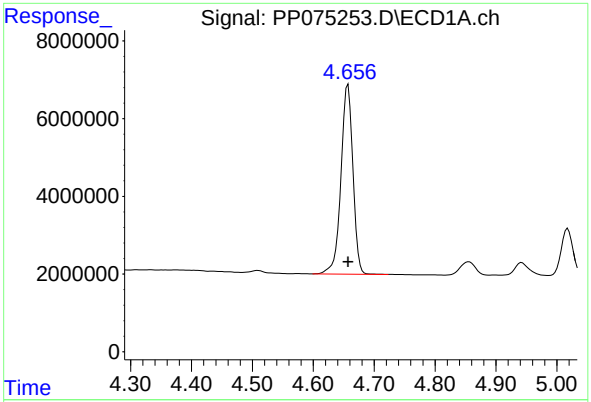
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:16:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:16:43 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



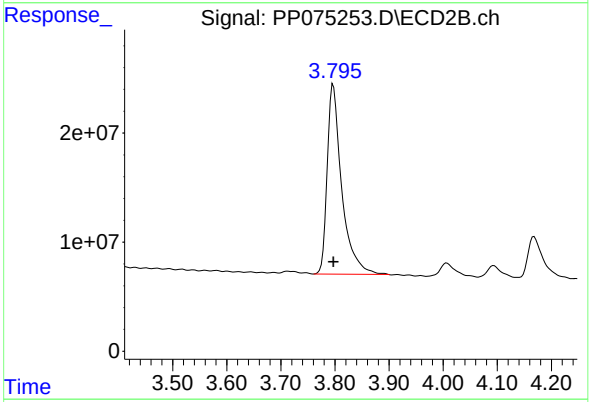




#1 Tetrachloro-m-xylene

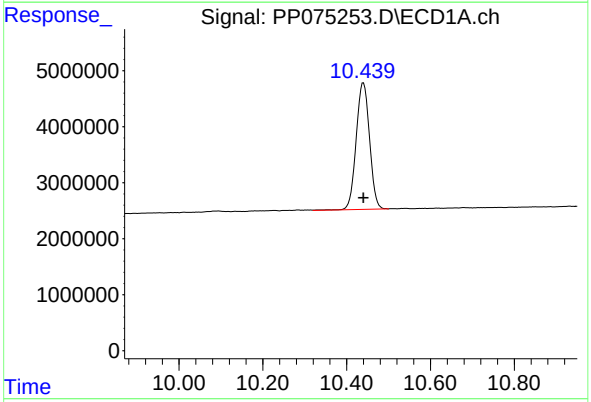
R.T.: 4.657 min
Delta R.T.: 0.000 min
Response: 66756778
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



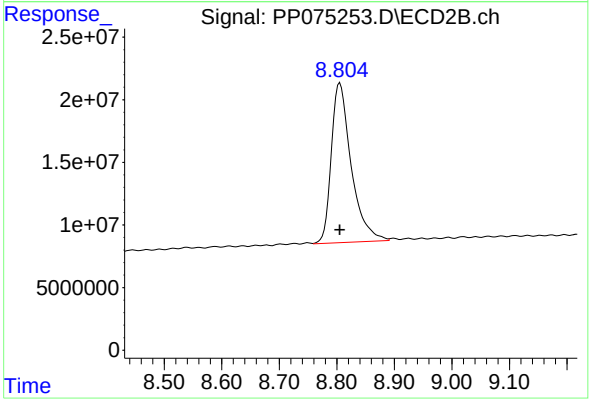
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 323108376
Conc: 50.00 ng/ml



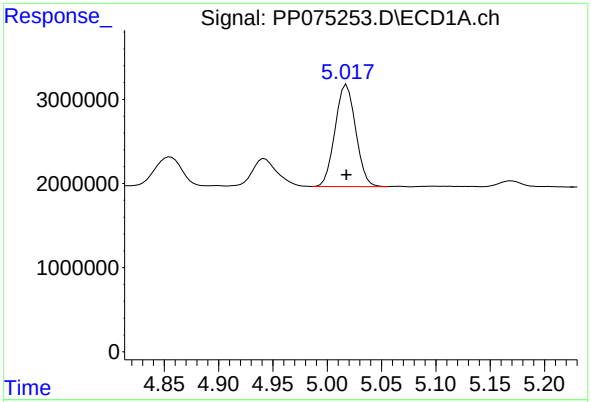
#2 Decachlorobiphenyl

R.T.: 10.440 min
Delta R.T.: 0.000 min
Response: 50078510
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

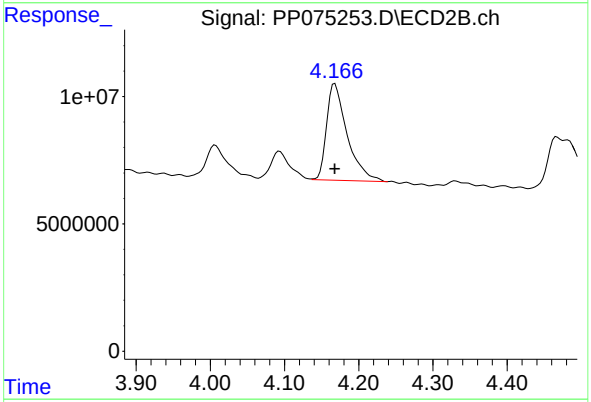
R.T.: 8.805 min
Delta R.T.: 0.000 min
Response: 307122792
Conc: 50.00 ng/ml



#11 AR-1232-1

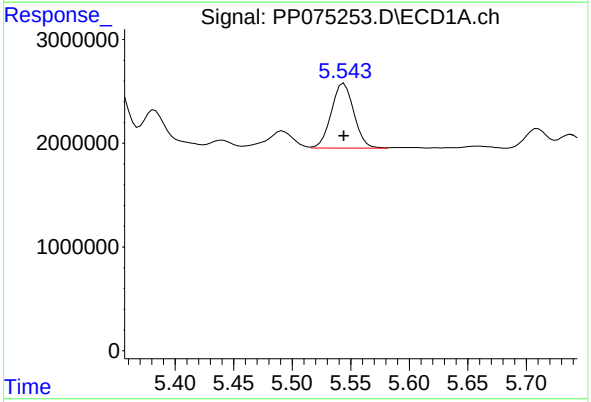
R.T.: 5.018 min
Delta R.T.: 0.000 min
Response: 16057787
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



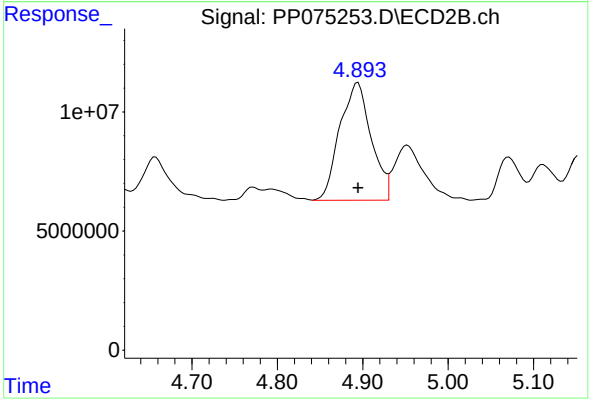
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 73283142
Conc: 500.00 ng/ml



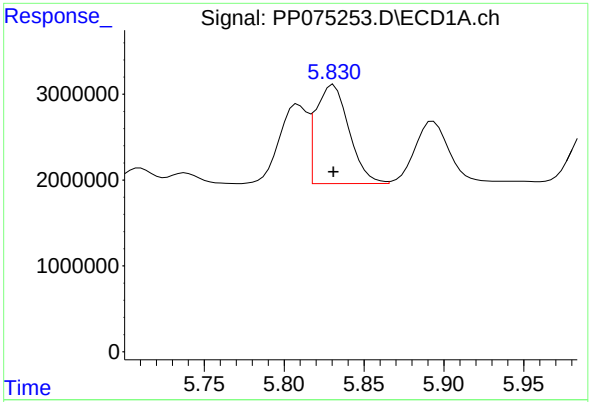
#12 AR-1232-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 8387436
Conc: 500.00 ng/ml



#12 AR-1232-2

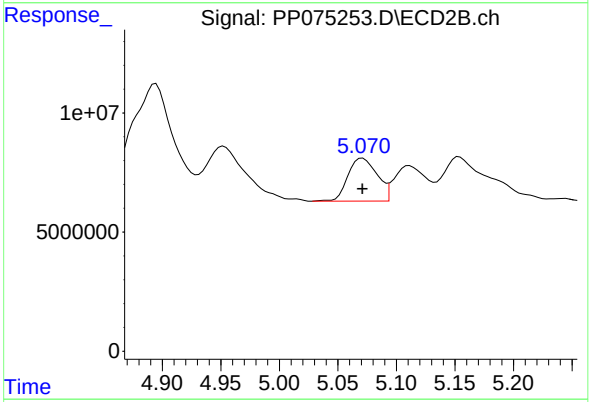
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 126098814
Conc: 500.00 ng/ml



#13 AR-1232-3

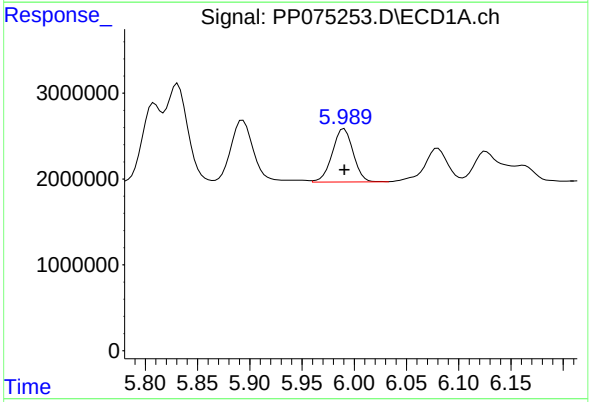
R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 16720373
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



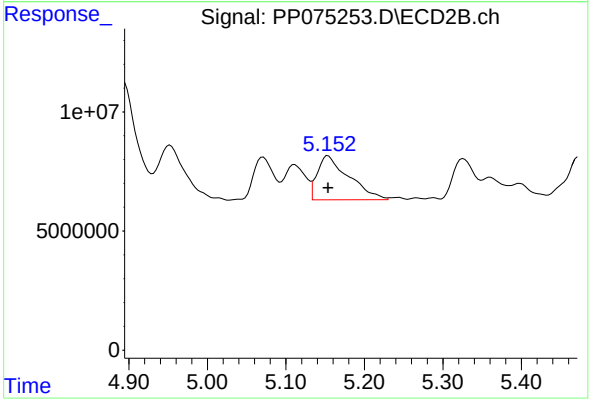
#13 AR-1232-3

R.T.: 5.071 min
Delta R.T.: 0.000 min
Response: 31507455
Conc: 500.00 ng/ml



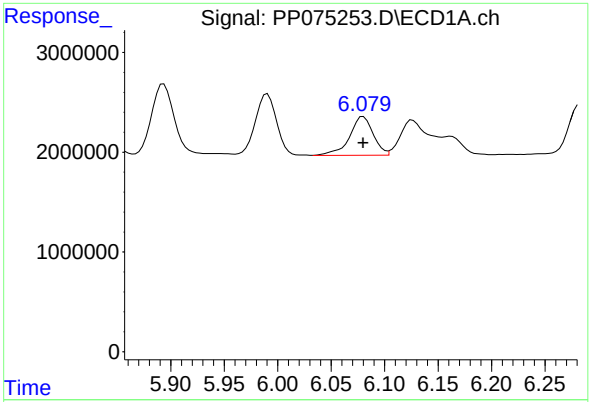
#14 AR-1232-4

R.T.: 5.990 min
Delta R.T.: 0.000 min
Response: 8649563
Conc: 500.00 ng/ml



#14 AR-1232-4

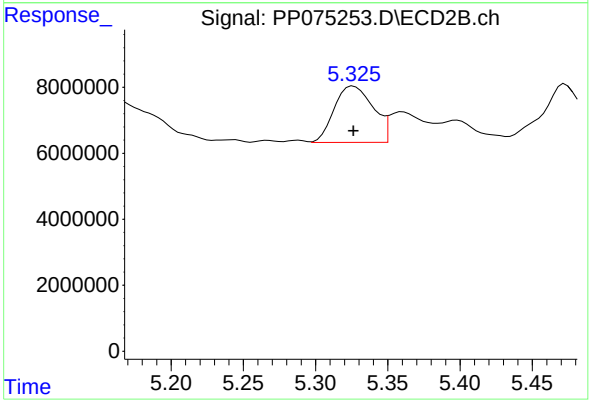
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 51581797
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 6002207
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 32023272
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:00
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:48:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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...	4.660	3.799	123.6E6	637.1E6	96.711	102.369
2)	SA Decachlor...	10.443	8.807	92662703	621.0E6	96.022	98.992
	Target Compounds						
16)	L4 AR-1242-1	5.812	4.896	36886529	472.2E6	944.472	985.391
17)	L4 AR-1242-2	5.834	4.954	55040068	217.5E6	954.815	1002.295
18)	L4 AR-1242-3	5.896	5.073	34279044	123.3E6	940.039	1006.547
19)	L4 AR-1242-4	5.993	5.155	28461551	159.3E6	952.139	958.832m
20)	L4 AR-1242-5	6.723	5.677	31568865	192.1E6	939.198	994.431

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:00
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

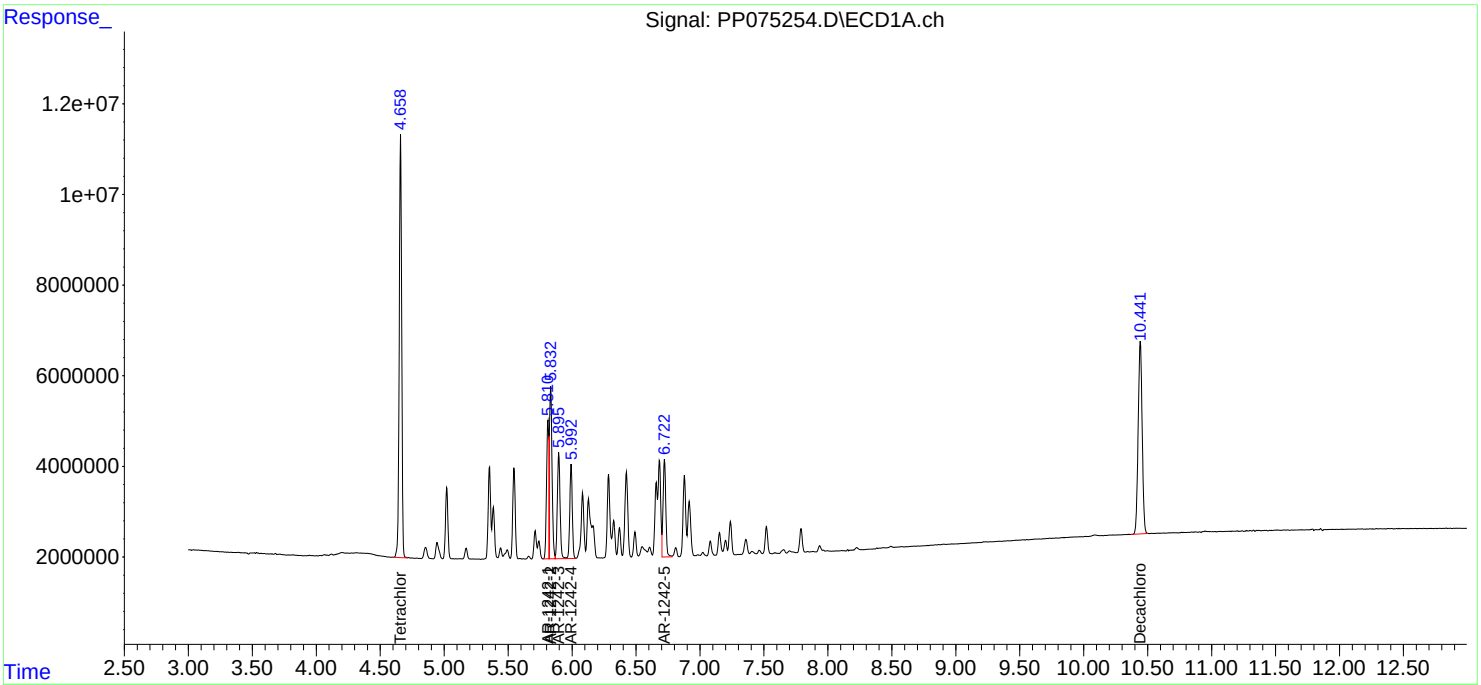
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

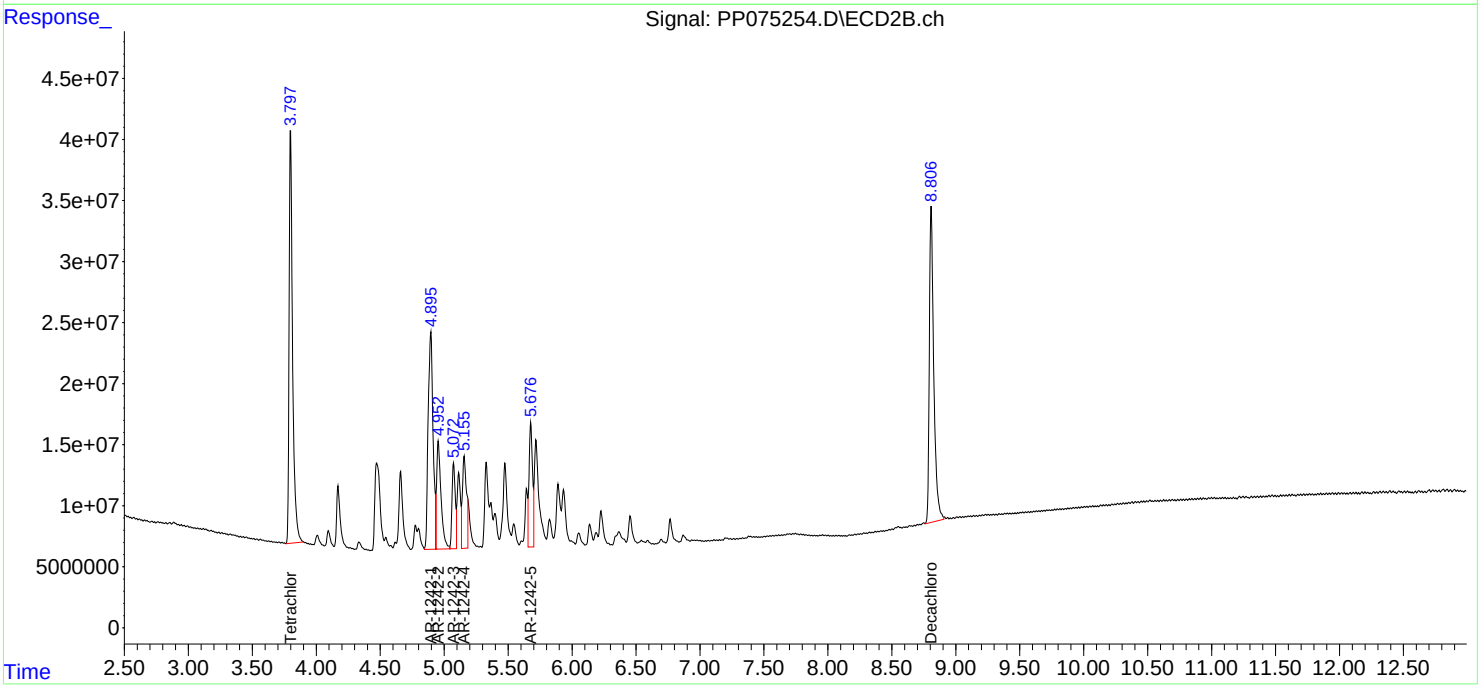
Manual Integrations APPROVED

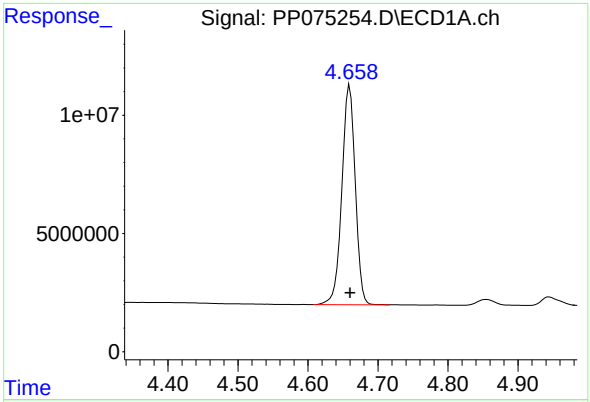
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:48:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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







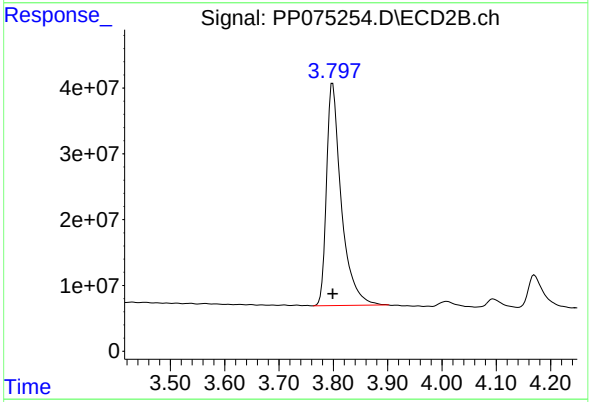
#1 Tetrachloro-m-xylene

R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 123623850
Conc: 96.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

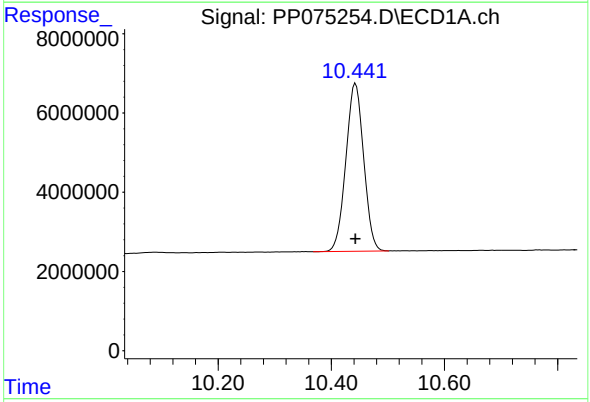
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



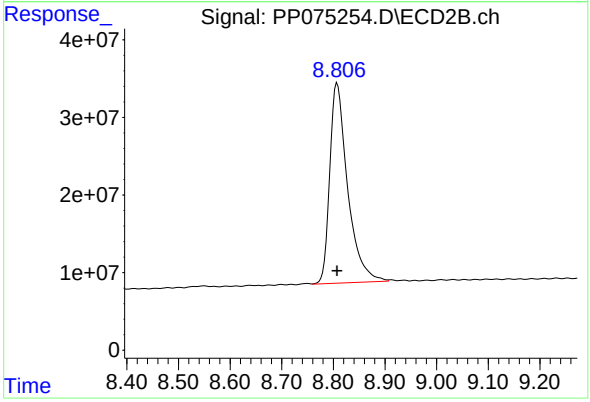
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 637105784
Conc: 102.37 ng/ml



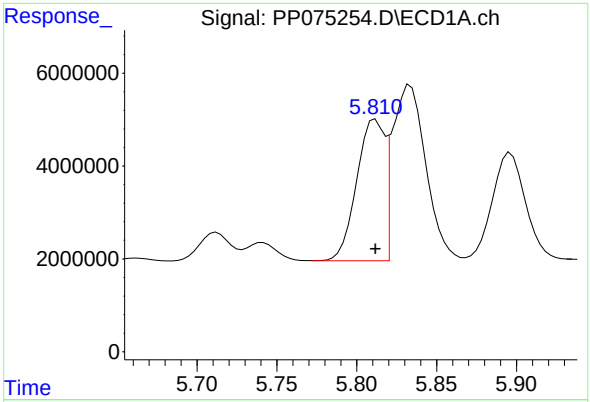
#2 Decachlorobiphenyl

R.T.: 10.443 min
Delta R.T.: 0.000 min
Response: 92662703
Conc: 96.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: 0.000 min
Response: 621028389
Conc: 98.99 ng/ml



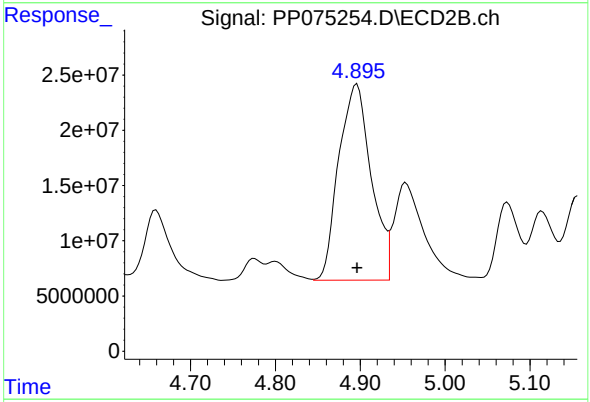
#16 AR-1242-1

R.T.: 5.812 min
Delta R.T.: 0.000 min
Response: 36886529
Conc: 944.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

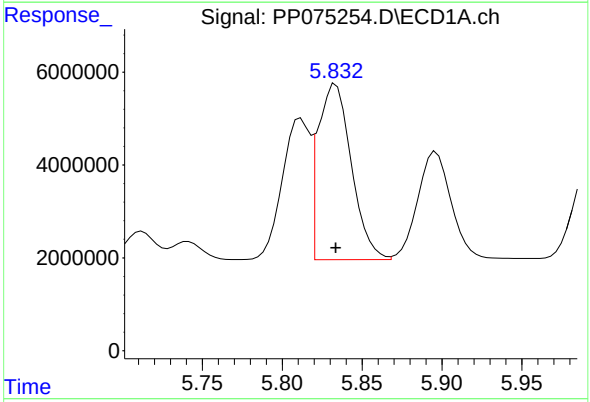
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



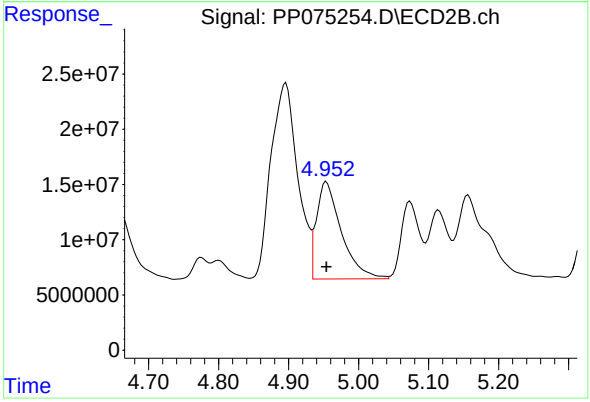
#16 AR-1242-1

R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 472236904
Conc: 985.39 ng/ml



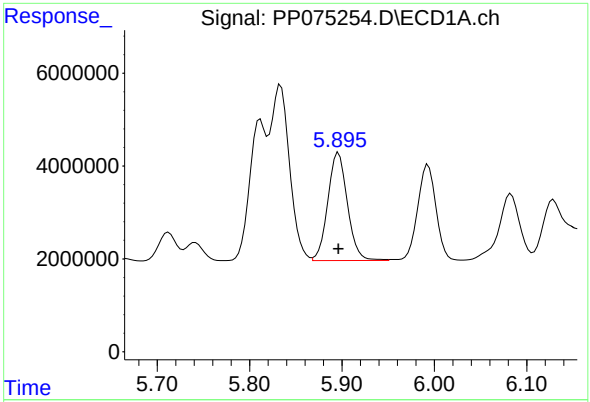
#17 AR-1242-2

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 55040068
Conc: 954.81 ng/ml



#17 AR-1242-2

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 217510086
Conc: 1002.30 ng/ml



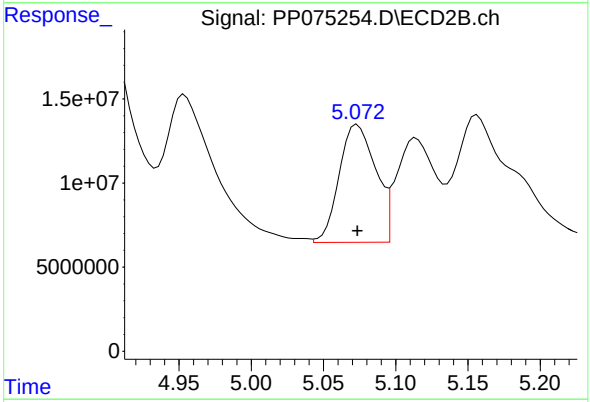
#18 AR-1242-3

R.T.: 5.896 min
Delta R.T.: 0.000 min
Response: 34279044
Conc: 940.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

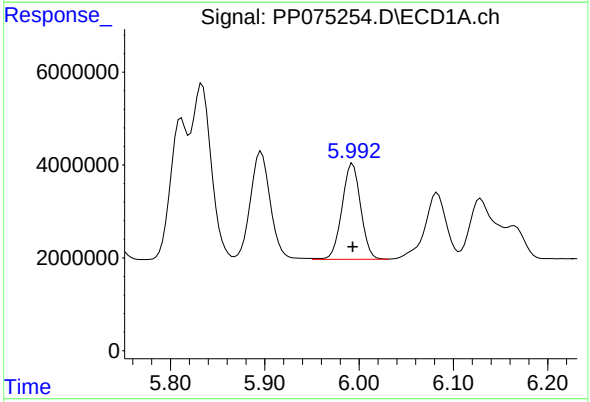
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



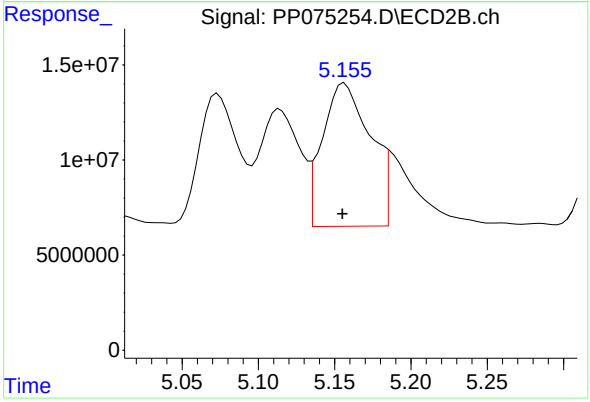
#18 AR-1242-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 123250580
Conc: 1006.55 ng/ml



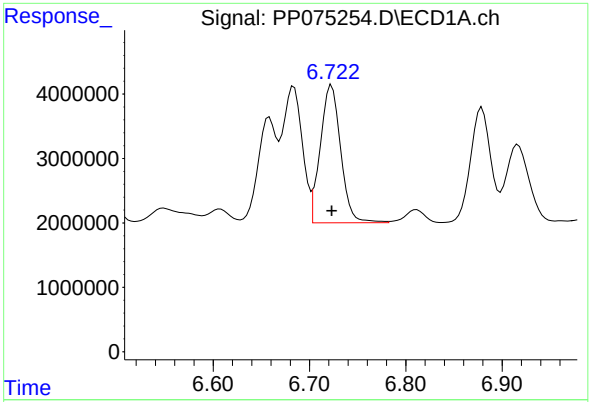
#19 AR-1242-4

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 28461551
Conc: 952.14 ng/ml



#19 AR-1242-4

R.T.: 5.155 min
Delta R.T.: 0.000 min
Response: 159270704
Conc: 958.83 ng/ml m



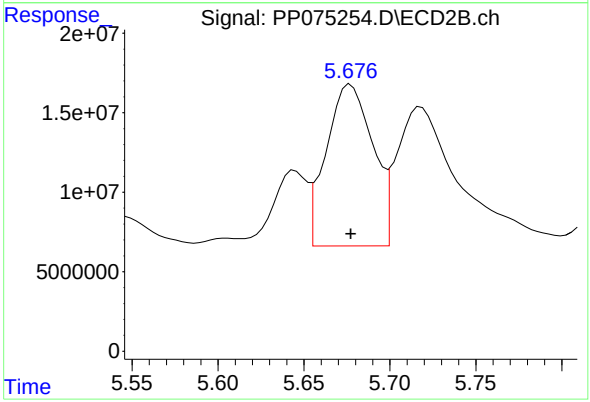
#20 AR-1242-5

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 31568865
Conc: 939.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#20 AR-1242-5

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 192075351
Conc: 994.43 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:16
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:51:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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...	4.656	3.800	97168171	469.6E6	75.674	75.300
2)	SA Decachlor...	10.439	8.807	72638787	466.8E6	75.181	74.600
	Target Compounds						
16)	L4 AR-1242-1	5.808	4.897	29413504	364.4E6	752.082	756.863
17)	L4 AR-1242-2	5.830	4.955	43483200	162.3E6	752.881	748.698
18)	L4 AR-1242-3	5.892	5.073	27466678	92235555	752.145	752.168
19)	L4 AR-1242-4	5.989	5.156	22479541	121.9E6	751.345	763.610m
20)	L4 AR-1242-5	6.719	5.678	25081847	147.5E6	747.465	759.181

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:16
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

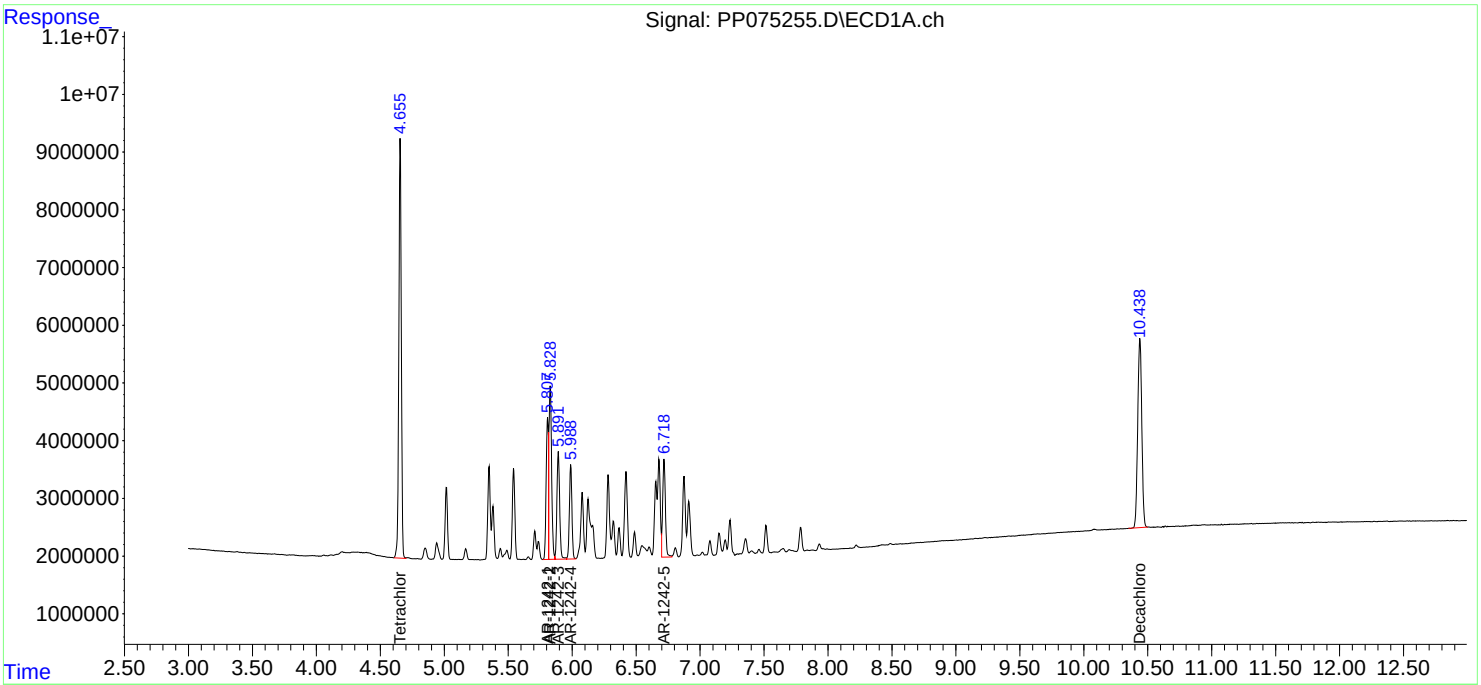
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

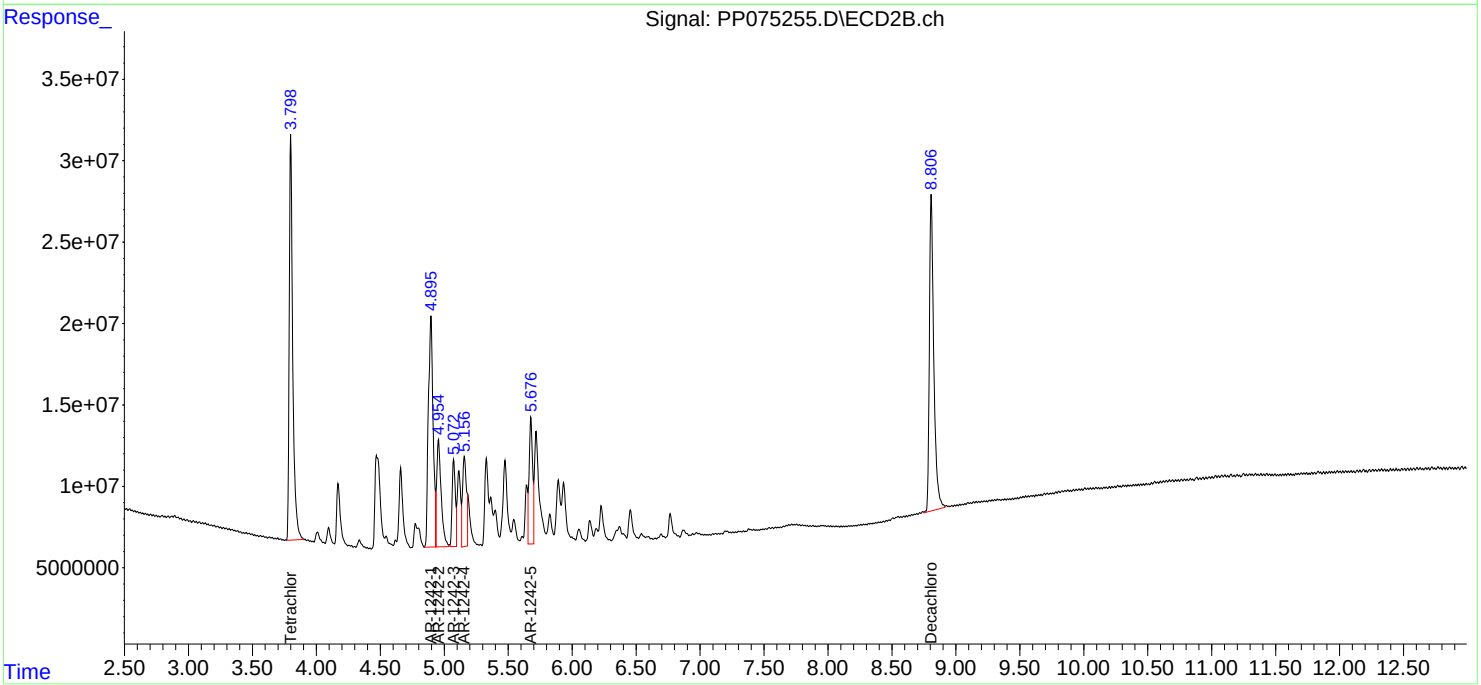
Manual Integrations APPROVED

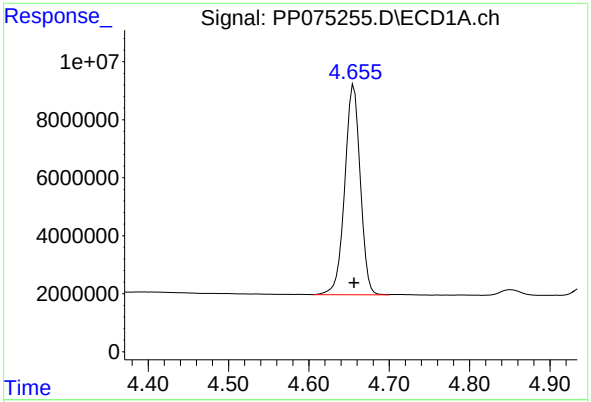
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:51:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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







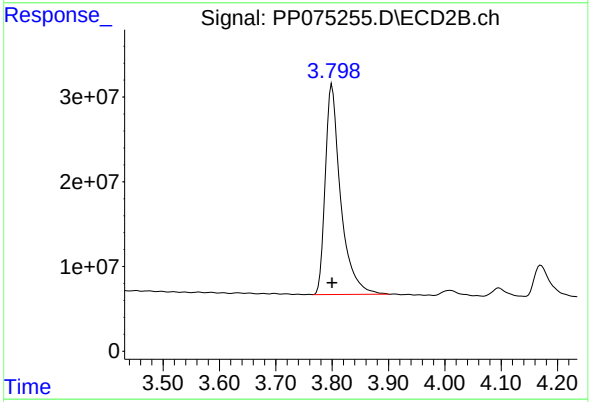
#1 Tetrachloro-m-xylene

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 97168171
Conc: 75.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

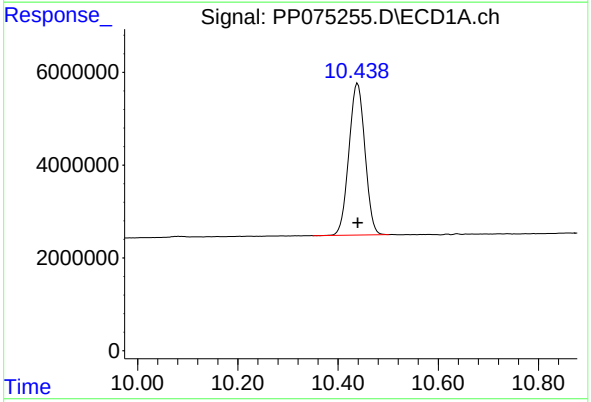
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



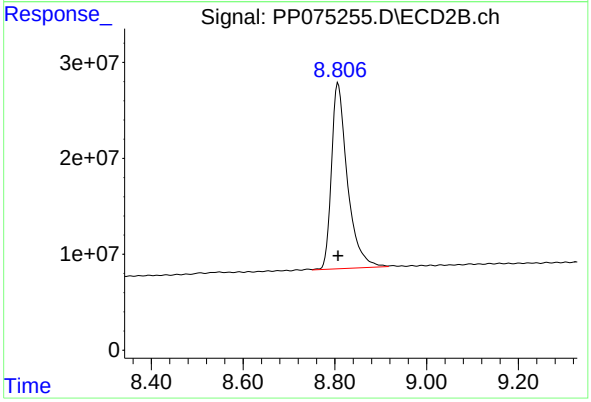
#1 Tetrachloro-m-xylene

R.T.: 3.800 min
Delta R.T.: 0.000 min
Response: 469578212
Conc: 75.30 ng/ml



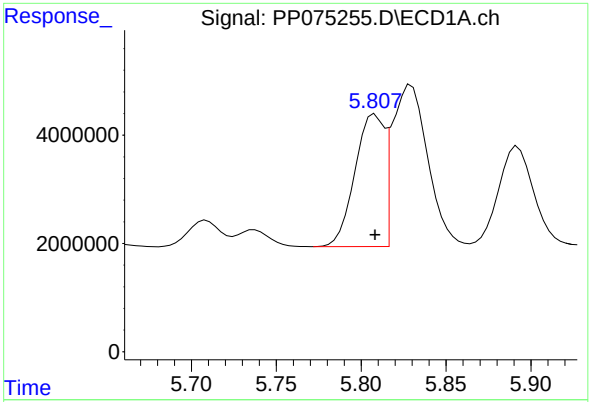
#2 Decachlorobiphenyl

R.T.: 10.439 min
Delta R.T.: 0.000 min
Response: 72638787
Conc: 75.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: 0.000 min
Response: 466755427
Conc: 74.60 ng/ml



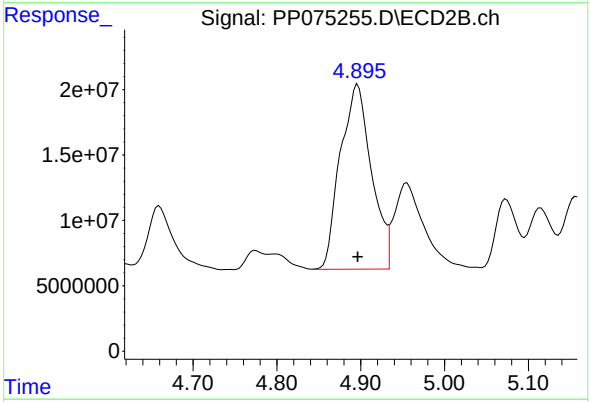
#16 AR-1242-1

R.T.: 5.808 min
Delta R.T.: 0.000 min
Response: 29413504
Conc: 752.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

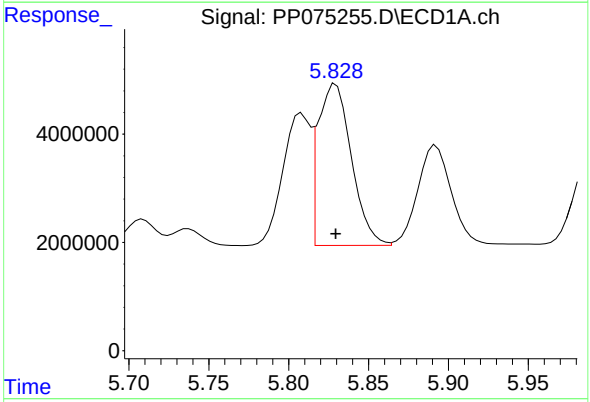
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



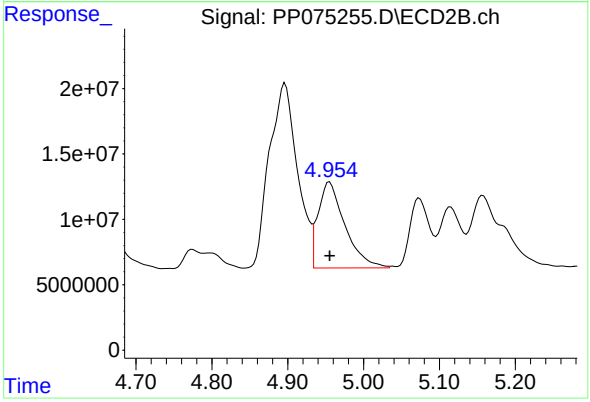
#16 AR-1242-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 364384624
Conc: 756.86 ng/ml



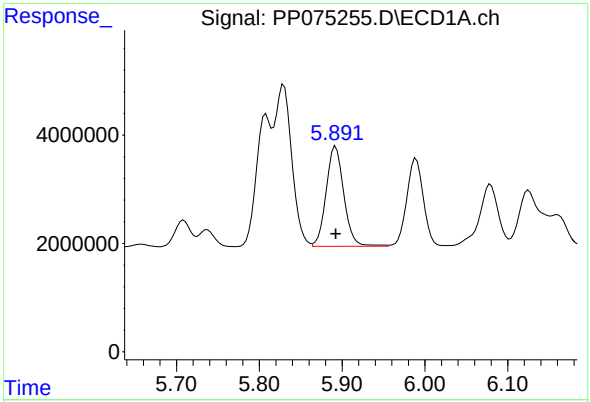
#17 AR-1242-2

R.T.: 5.830 min
Delta R.T.: 0.000 min
Response: 43483200
Conc: 752.88 ng/ml



#17 AR-1242-2

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 162335588
Conc: 748.70 ng/ml



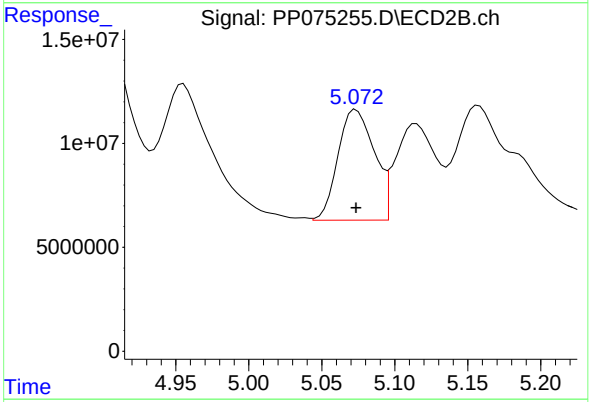
#18 AR-1242-3

R.T.: 5.892 min
Delta R.T.: 0.000 min
Response: 27466678
Conc: 752.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

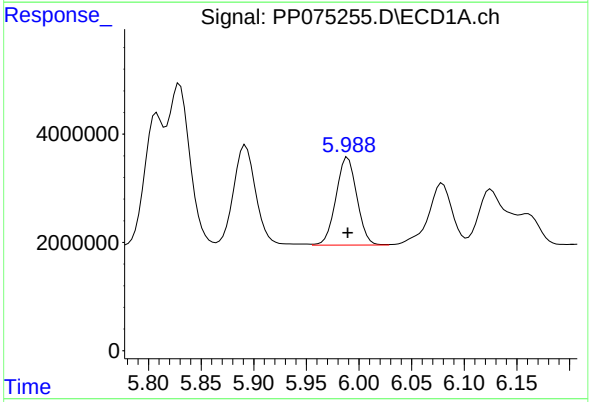
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



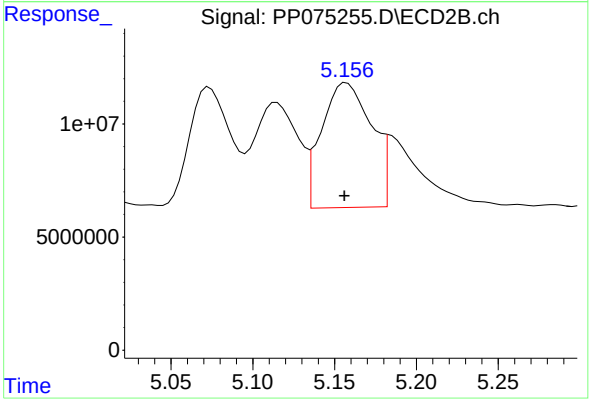
#18 AR-1242-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 92235555
Conc: 752.17 ng/ml



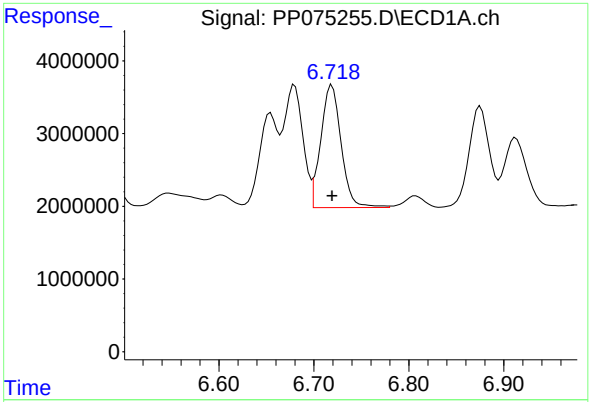
#19 AR-1242-4

R.T.: 5.989 min
Delta R.T.: 0.000 min
Response: 22479541
Conc: 751.35 ng/ml



#19 AR-1242-4

R.T.: 5.156 min
Delta R.T.: 0.000 min
Response: 121935692
Conc: 763.61 ng/ml m



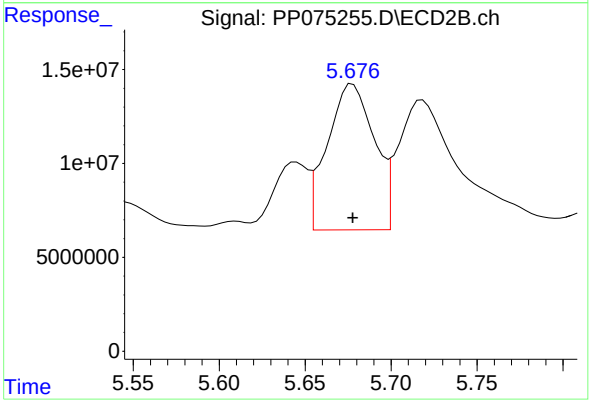
#20 AR-1242-5

R.T.: 6.719 min
Delta R.T.: 0.000 min
Response: 25081847
Conc: 747.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#20 AR-1242-5

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 147539663
Conc: 759.18 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:32
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:45:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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...	4.659	3.799	66015633	303.8E6	50.000	50.000
2)	SA Decachlor...	10.443	8.808	50169729	316.8E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.811	4.895	20611924	243.1E6	500.000	500.000
17)	L4 AR-1242-2	5.832	4.954	30124732	108.3E6	500.000	500.000
18)	L4 AR-1242-3	5.895	5.073	19326019	60823625	500.000	500.000
19)	L4 AR-1242-4	5.992	5.155	15661455	81817884	500.000	481.178m
20)	L4 AR-1242-5	6.722	5.676	17828128	97113427	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:32
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

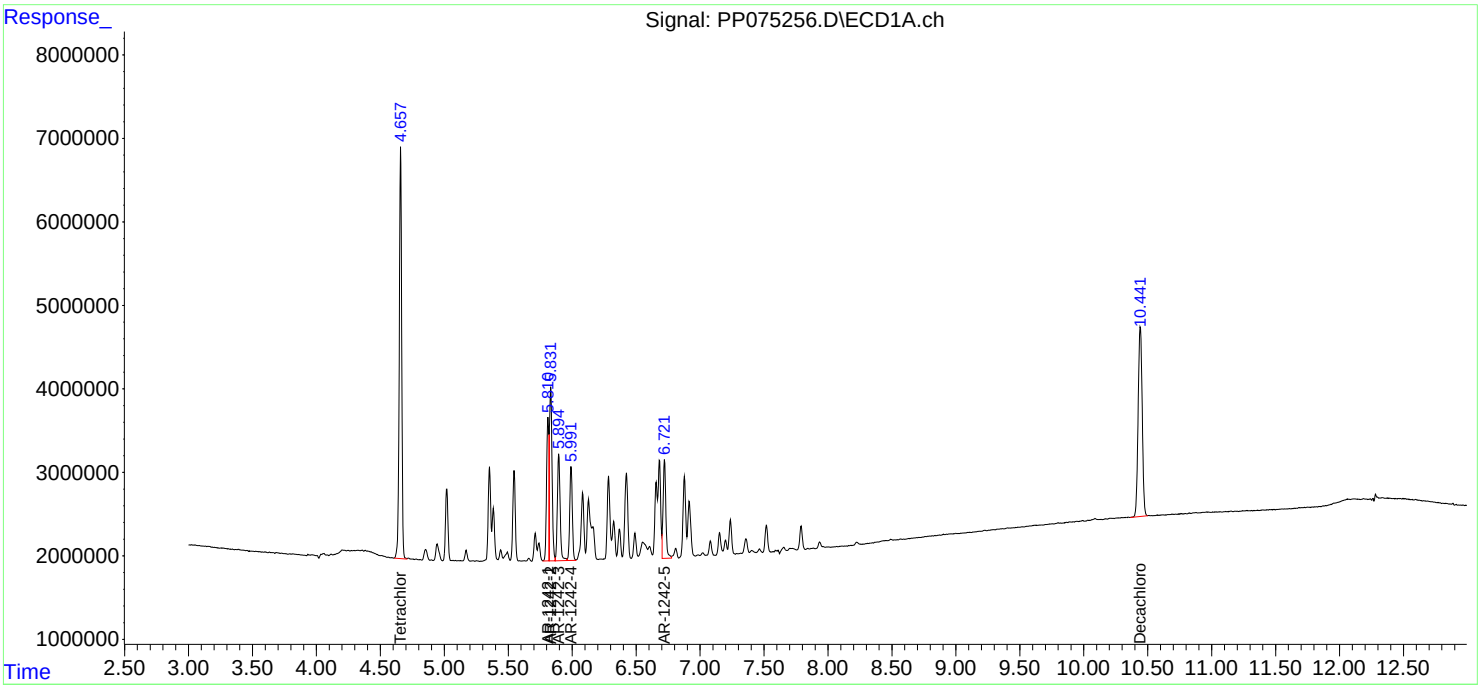
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

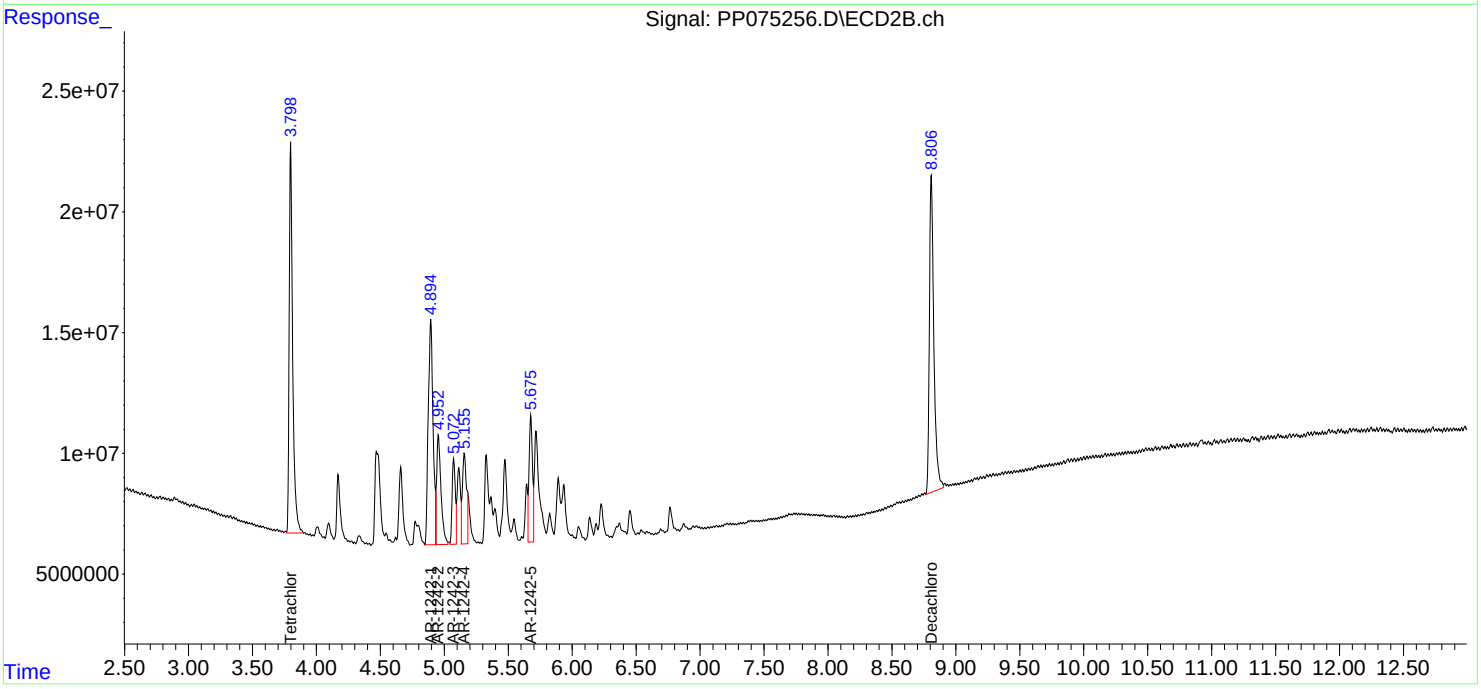
Manual Integrations APPROVED

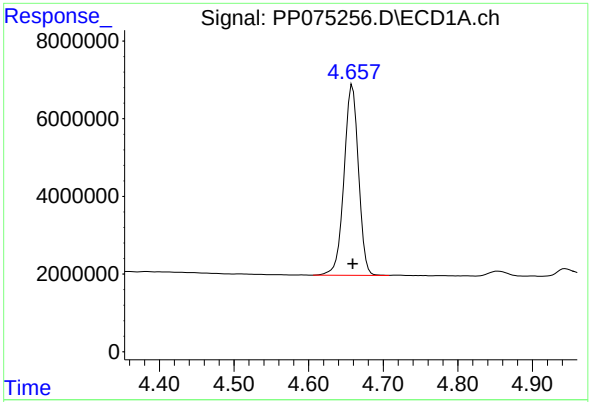
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:45:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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







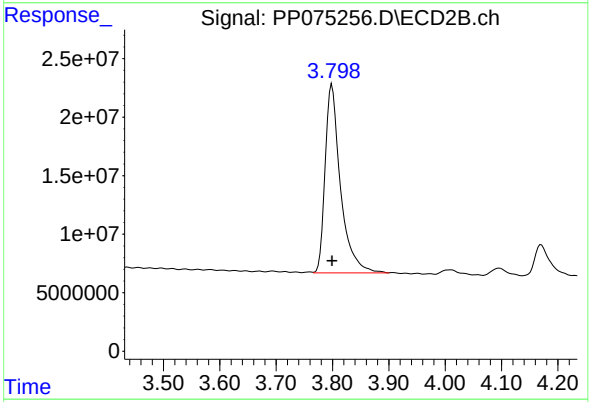
#1 Tetrachloro-m-xylene

R.T.: 4.659 min
Delta R.T.: 0.000 min
Response: 66015633
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

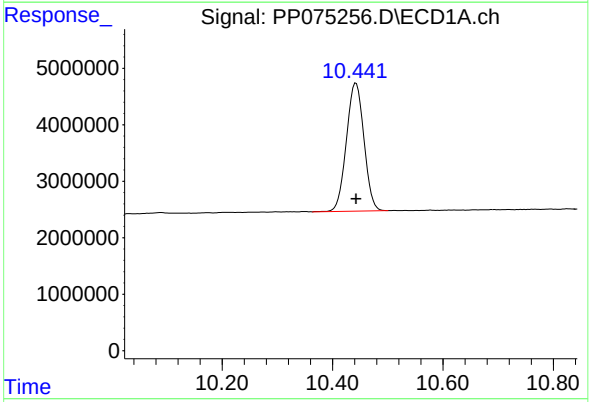
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



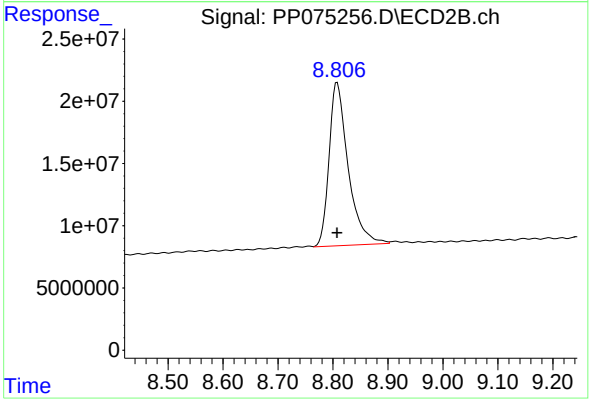
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 303811171
Conc: 50.00 ng/ml



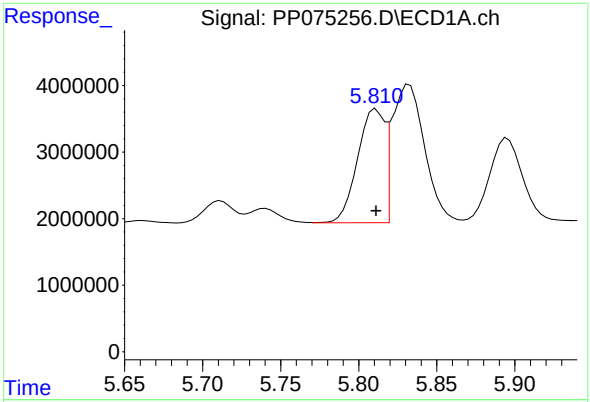
#2 Decachlorobiphenyl

R.T.: 10.443 min
Delta R.T.: 0.000 min
Response: 50169729
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.808 min
Delta R.T.: 0.000 min
Response: 316835092
Conc: 50.00 ng/ml



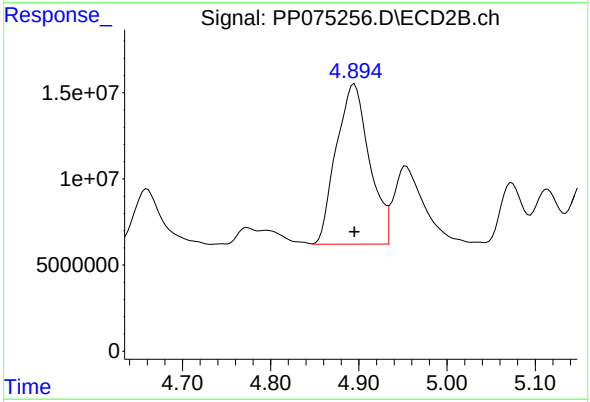
#16 AR-1242-1

R.T.: 5.811 min
Delta R.T.: 0.000 min
Response: 20611924
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

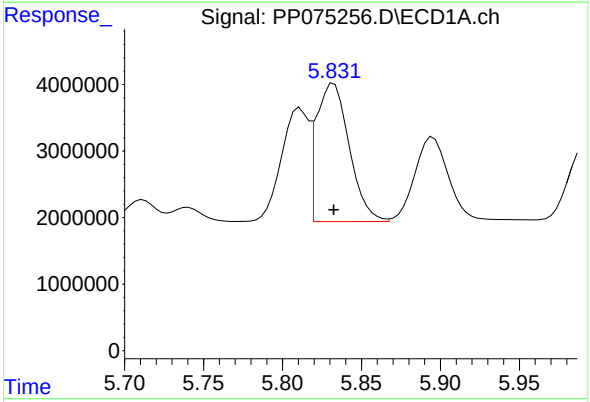
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



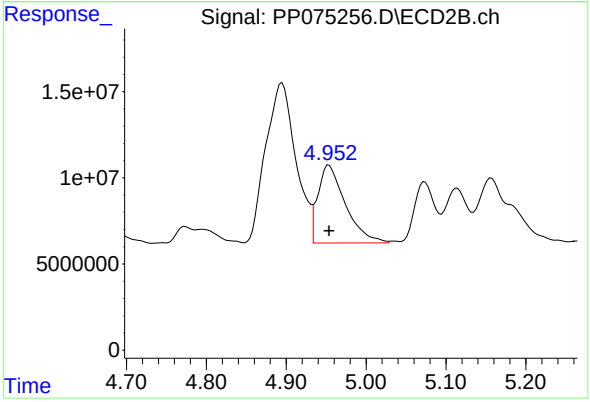
#16 AR-1242-1

R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 243119630
Conc: 500.00 ng/ml



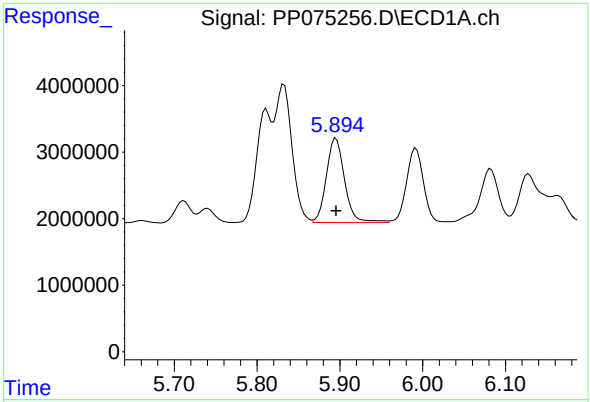
#17 AR-1242-2

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 30124732
Conc: 500.00 ng/ml



#17 AR-1242-2

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 108256965
Conc: 500.00 ng/ml



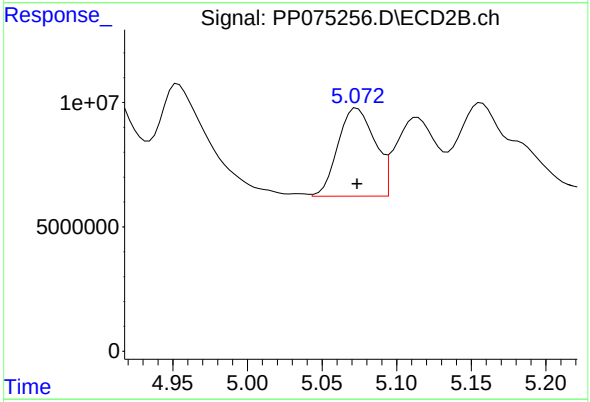
#18 AR-1242-3

R.T.: 5.895 min
Delta R.T.: 0.000 min
Response: 19326019
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

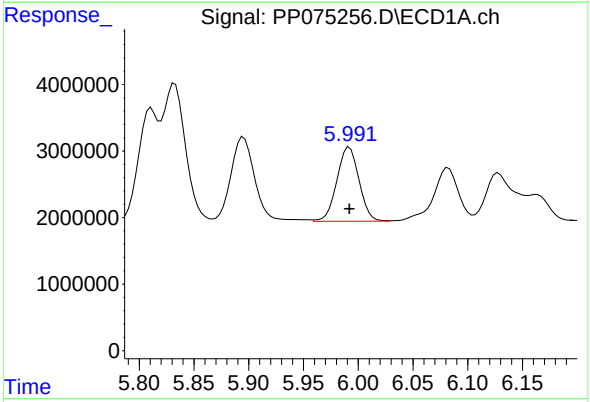
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



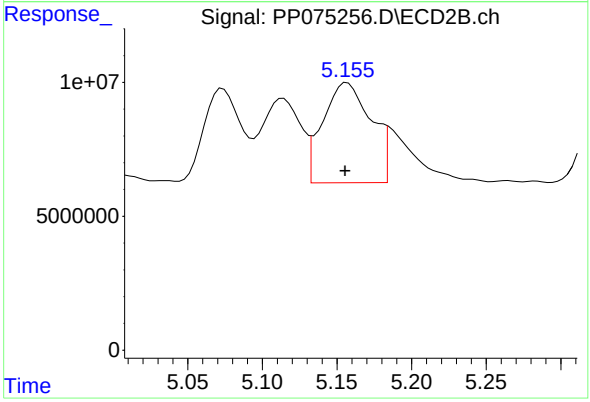
#18 AR-1242-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 60823625
Conc: 500.00 ng/ml



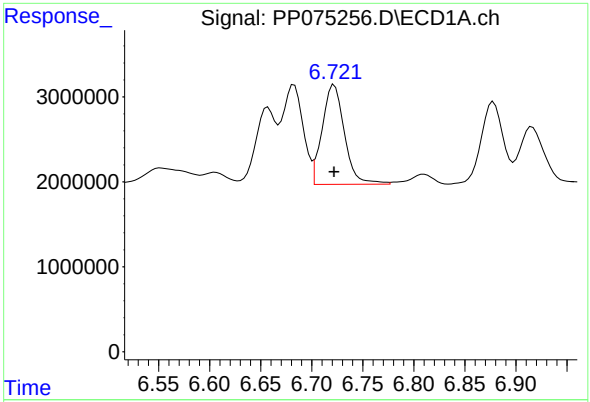
#19 AR-1242-4

R.T.: 5.992 min
Delta R.T.: 0.000 min
Response: 15661455
Conc: 500.00 ng/ml



#19 AR-1242-4

R.T.: 5.155 min
Delta R.T.: 0.000 min
Response: 81817884
Conc: 481.18 ng/ml m



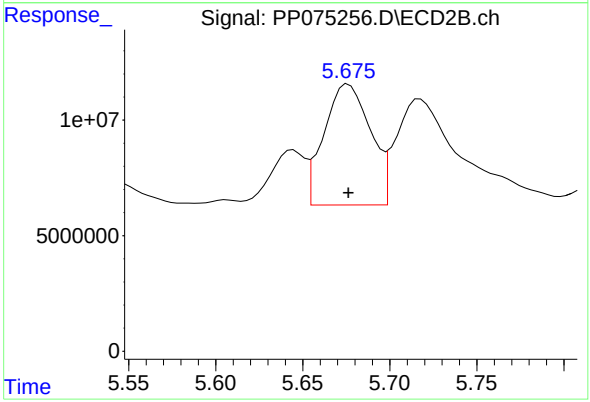
#20 AR-1242-5

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 17828128
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#20 AR-1242-5

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 97113427
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:48
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:55:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:54:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.661	3.797	34555716	150.8E6	26.407	24.382
2)	SA Decachlor...	10.444	8.805	26178805	152.5E6	26.539	24.523
	Target Compounds						
16)	L4 AR-1242-1	5.813	4.894	11111719	121.8E6	274.745	252.283
17)	L4 AR-1242-2	5.834	4.952	16022261	54845990	270.012	252.207
18)	L4 AR-1242-3	5.897	5.072	10474071	31286183	276.635	253.831
19)	L4 AR-1242-4	5.994	5.153	8389612	43909943	272.135	267.938m
20)	L4 AR-1242-5	6.724	5.675	9880995	50425039	281.928	257.034

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:48
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

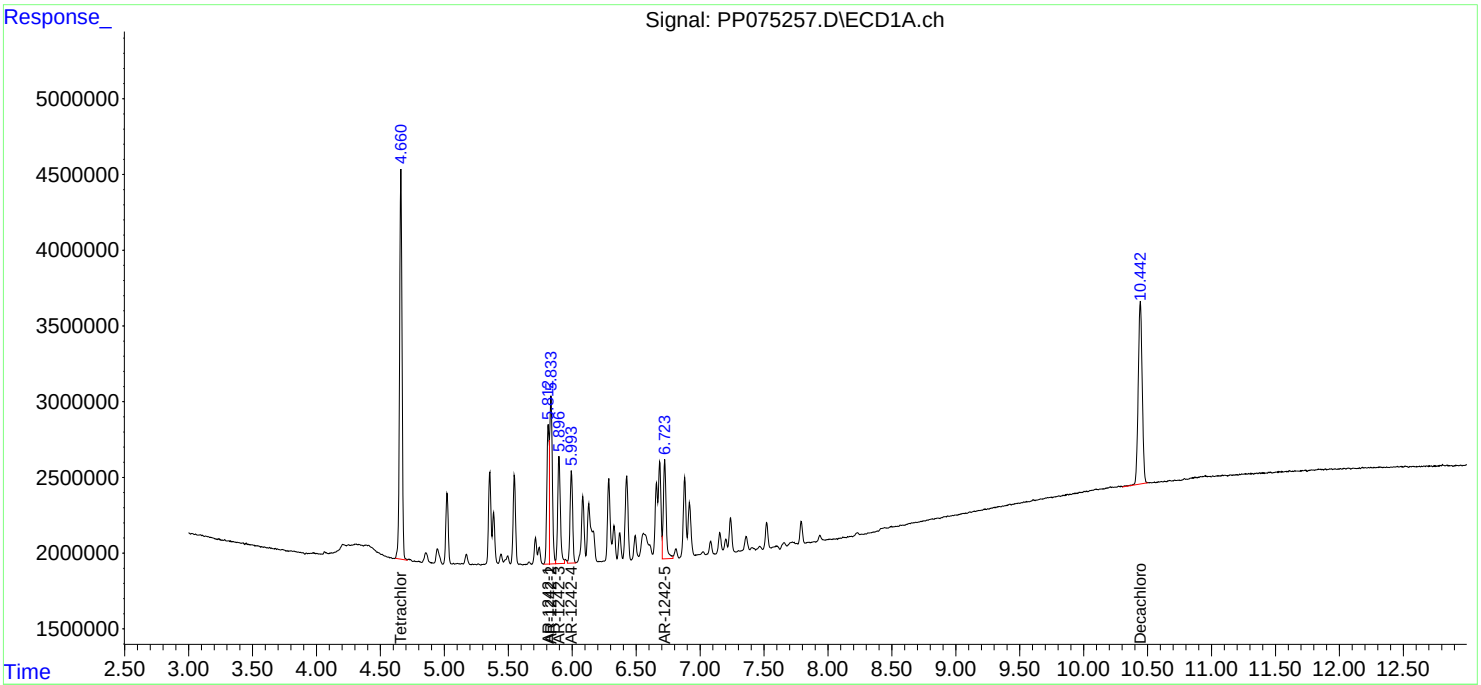
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

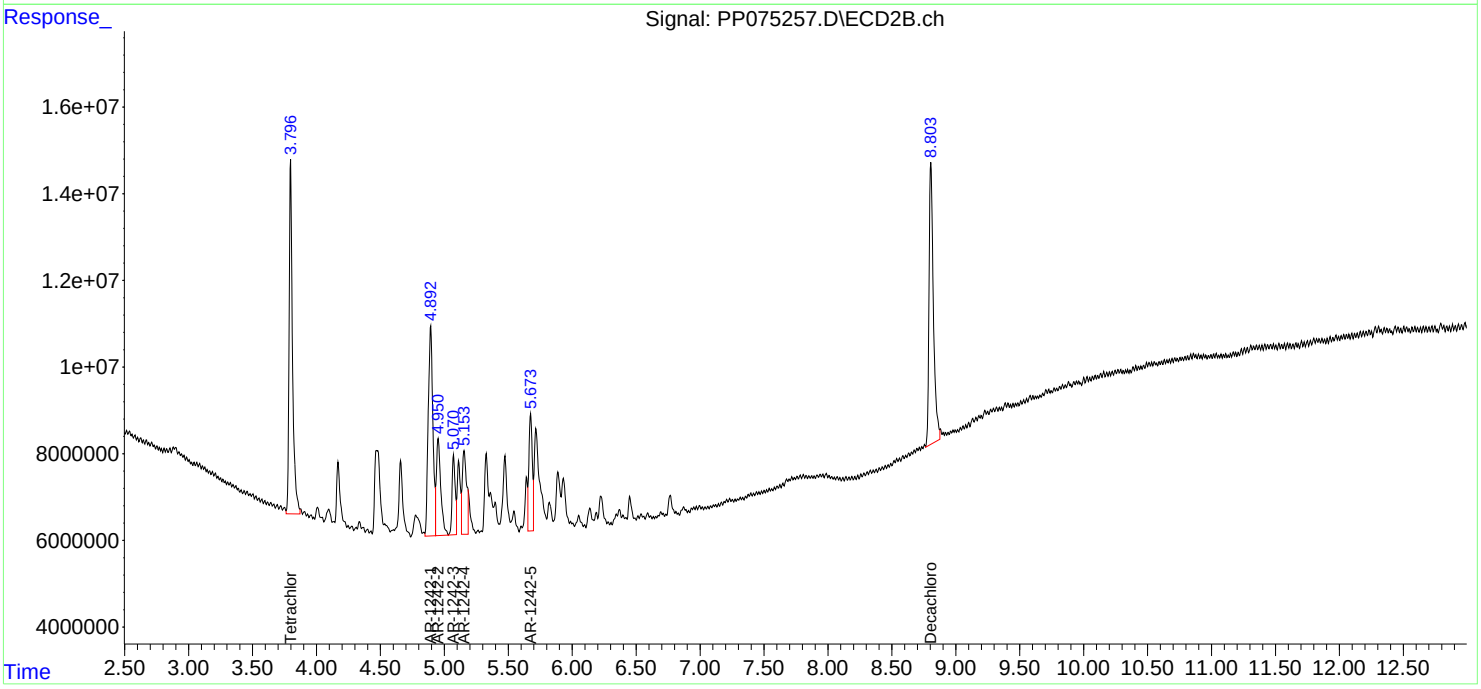
Manual Integrations APPROVED

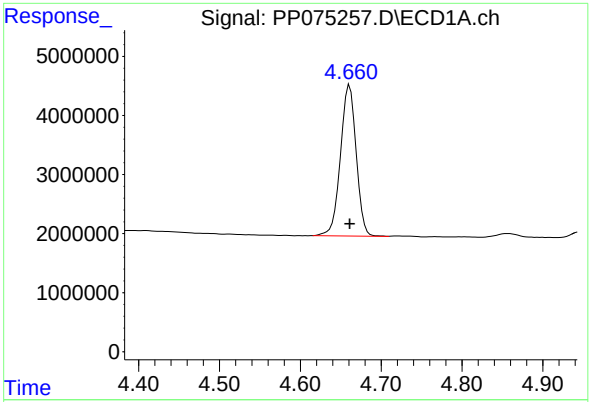
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:55:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:54:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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







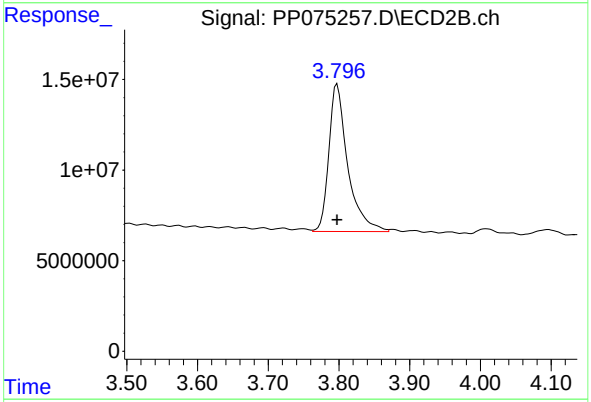
#1 Tetrachloro-m-xylene

R.T.: 4.661 min
Delta R.T.: 0.000 min
Response: 34555716
Conc: 26.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

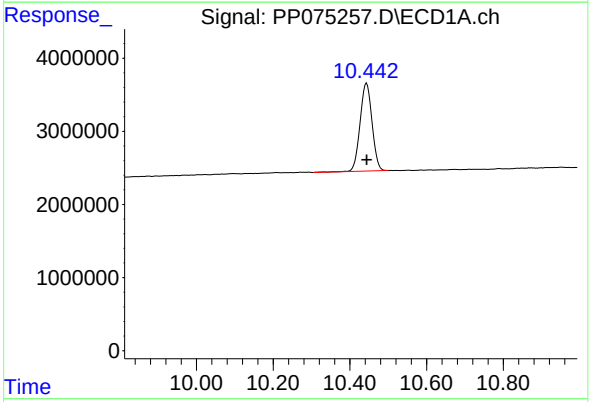
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



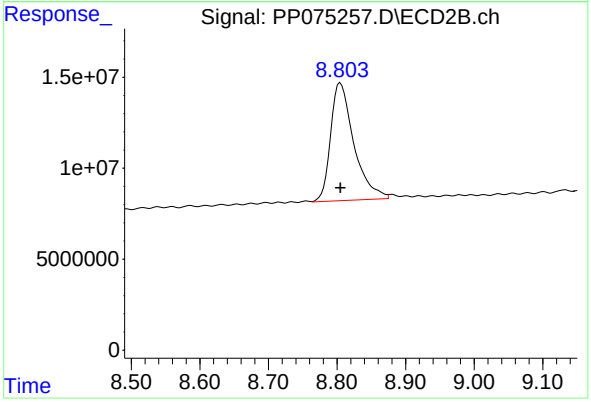
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 150809845
Conc: 24.38 ng/ml



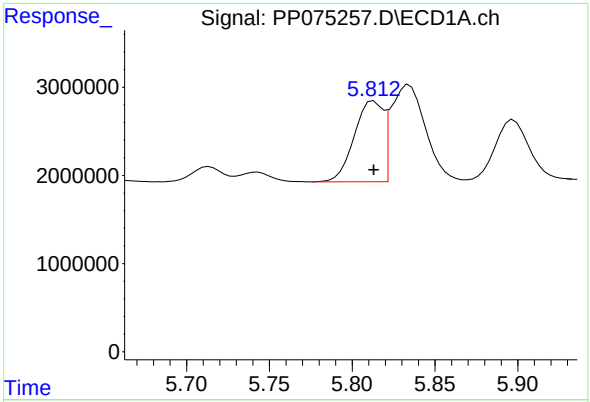
#2 Decachlorobiphenyl

R.T.: 10.444 min
Delta R.T.: 0.000 min
Response: 26178805
Conc: 26.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.805 min
Delta R.T.: 0.000 min
Response: 152462792
Conc: 24.52 ng/ml



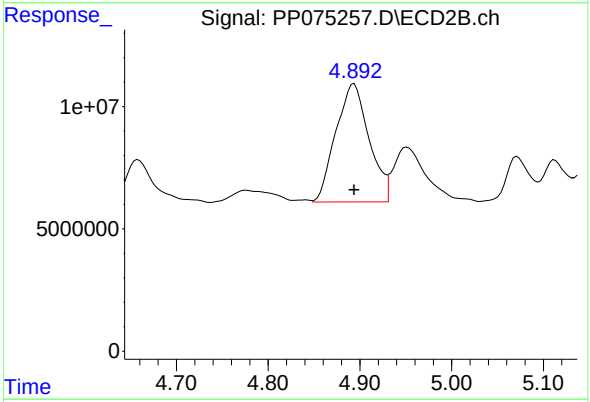
#16 AR-1242-1

R.T.: 5.813 min
Delta R.T.: 0.000 min
Response: 11111719
Conc: 274.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

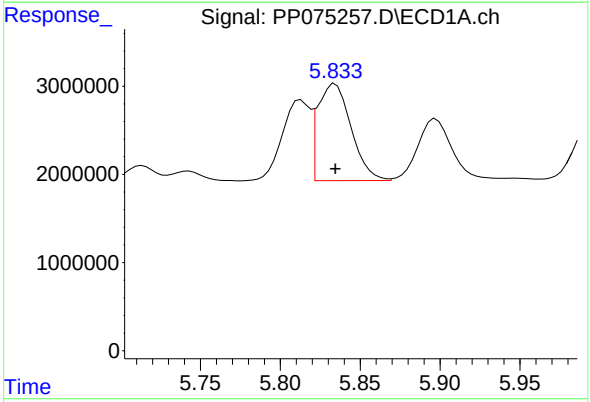
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



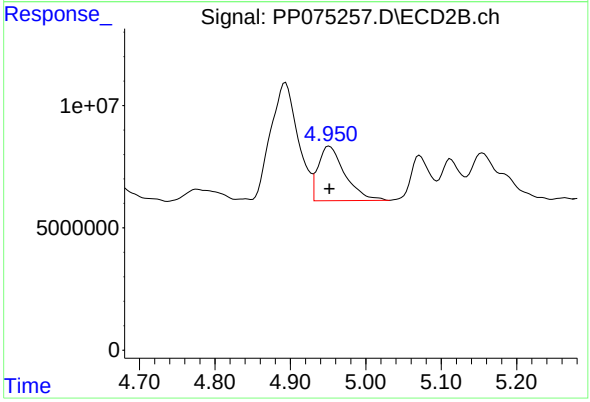
#16 AR-1242-1

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 121830487
Conc: 252.28 ng/ml



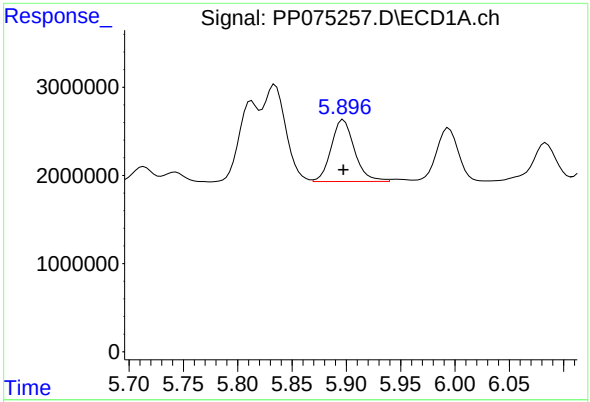
#17 AR-1242-2

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 16022261
Conc: 270.01 ng/ml



#17 AR-1242-2

R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 54845990
Conc: 252.21 ng/ml



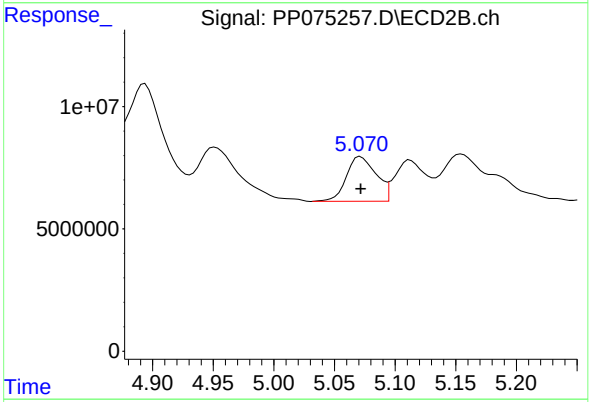
#18 AR-1242-3

R.T.: 5.897 min
Delta R.T.: 0.000 min
Response: 10474071
Conc: 276.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

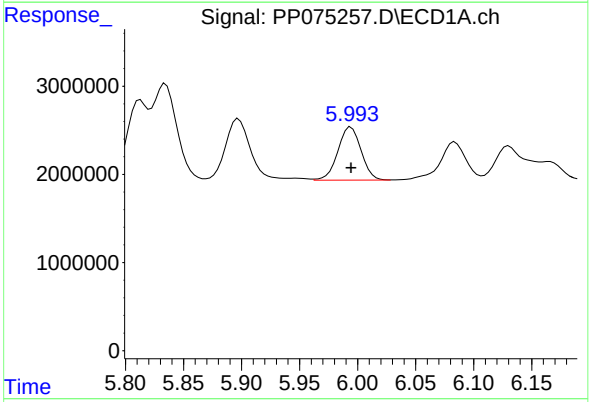
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



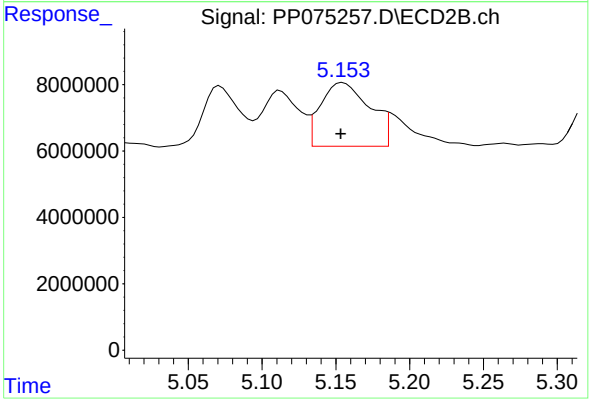
#18 AR-1242-3

R.T.: 5.072 min
Delta R.T.: 0.000 min
Response: 31286183
Conc: 253.83 ng/ml



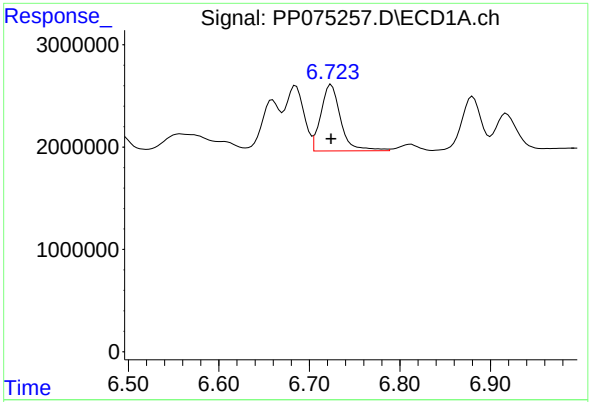
#19 AR-1242-4

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 8389612
Conc: 272.13 ng/ml



#19 AR-1242-4

R.T.: 5.153 min
Delta R.T.: 0.000 min
Response: 43909943
Conc: 267.94 ng/ml m



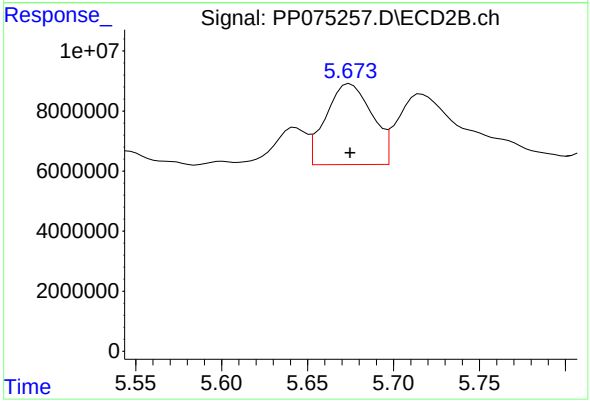
#20 AR-1242-5

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 9880995
Conc: 281.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#20 AR-1242-5

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 50425039
Conc: 257.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:05
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:00:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:59:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.796	6258278	24170300	4.827m	4.086
2)	SA Decachlor...	10.437	8.803	4689985	25196266	4.802	4.212
	Target Compounds						
16)	L4 AR-1242-1	5.810	4.893	2326163	20197768	55.837	43.239
17)	L4 AR-1242-2	5.831	4.952	3041537	8746690	51.001	41.859
18)	L4 AR-1242-3	5.895	5.076	2534074	5839738	62.684	47.881
19)	L4 AR-1242-4	5.991	5.155	1692732	6716503	53.850	42.218
20)	L4 AR-1242-5	6.719	5.676	1779340	9434797	50.613m	48.462

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:05
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

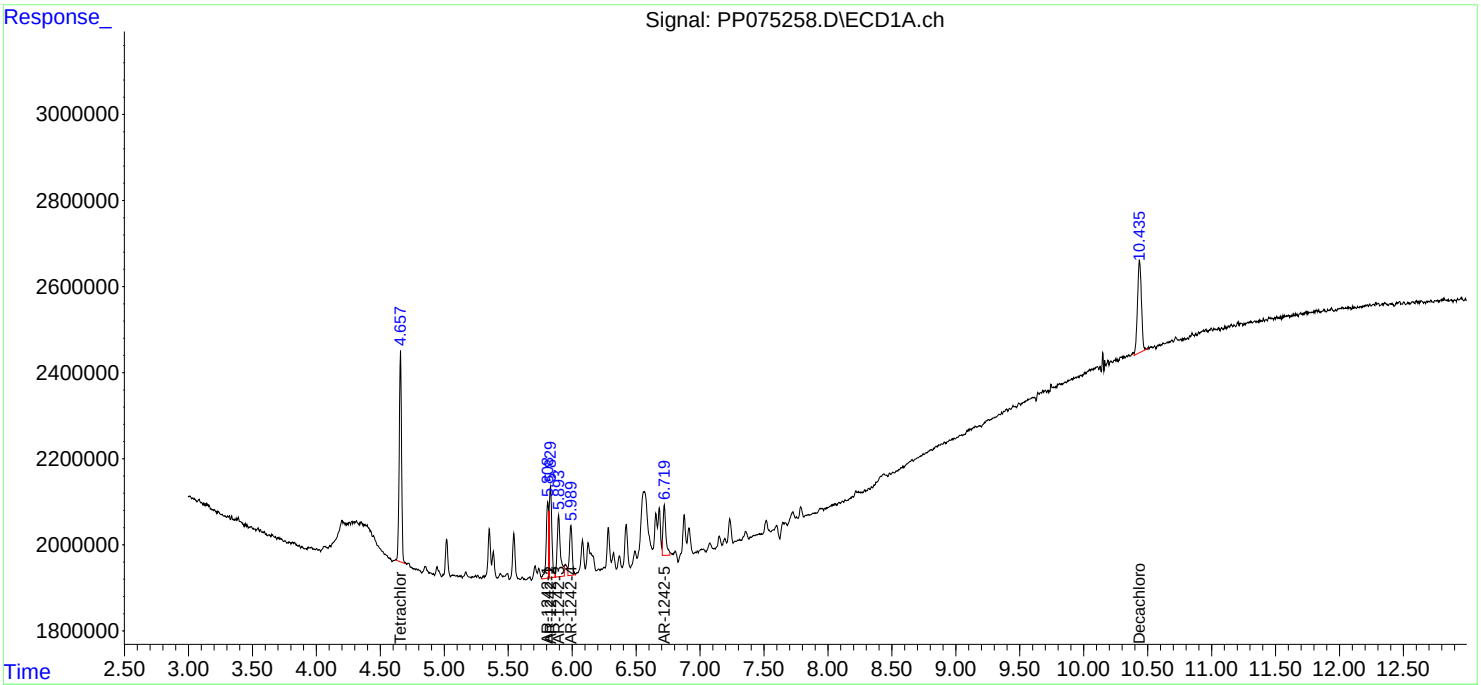
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

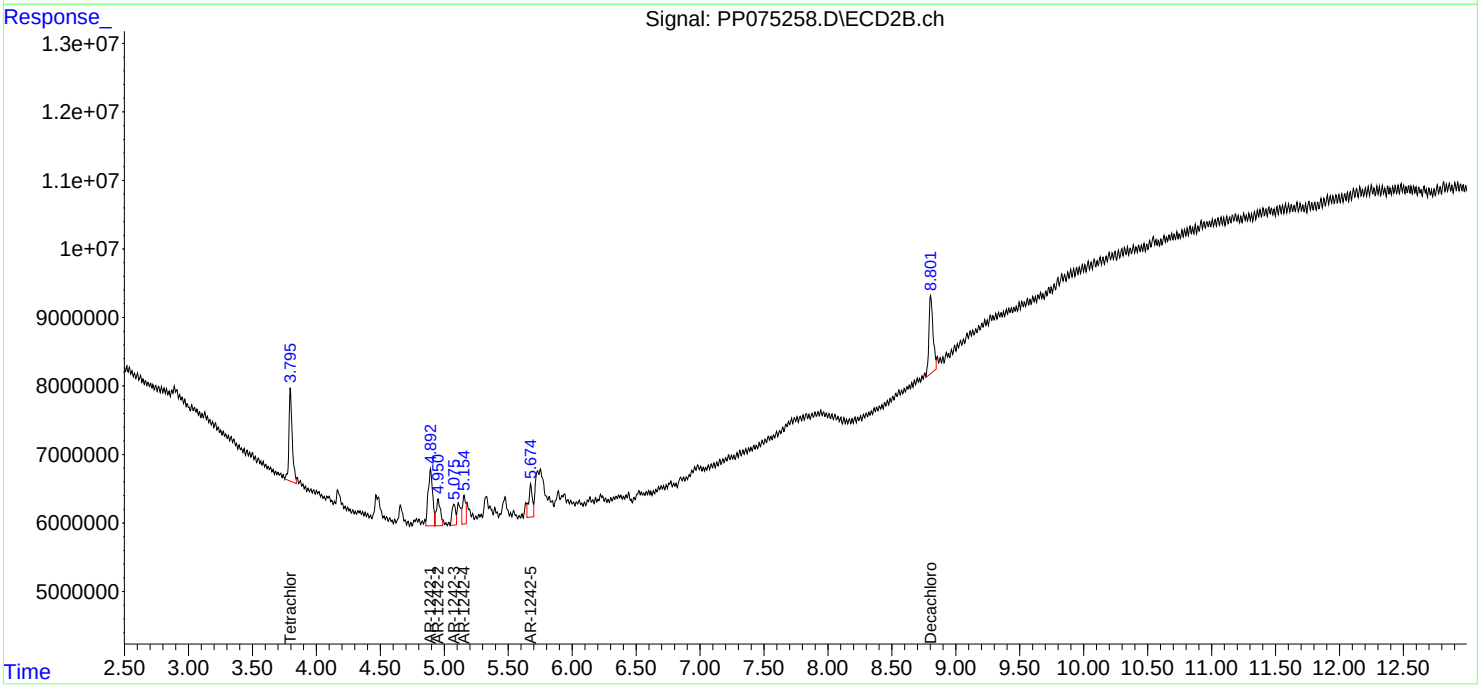
Manual Integrations APPROVED

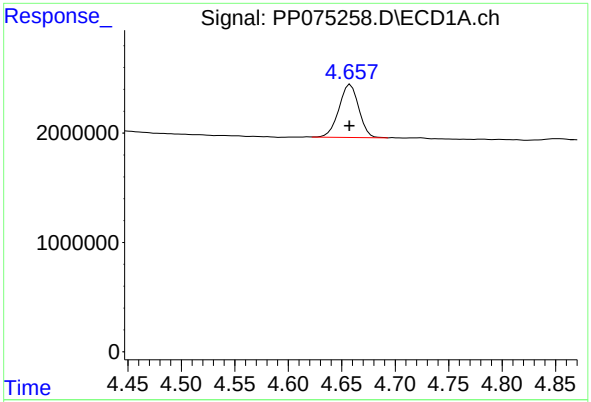
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:00:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:59:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







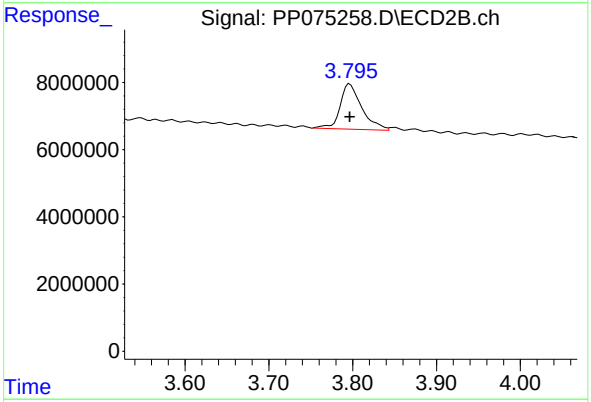
#1 Tetrachloro-m-xylene

R.T.: 4.657 min
Delta R.T.: 0.000 min
Response: 6258278
Conc: 4.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

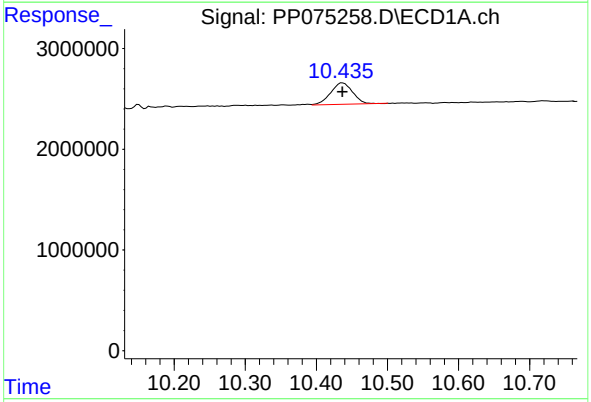
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



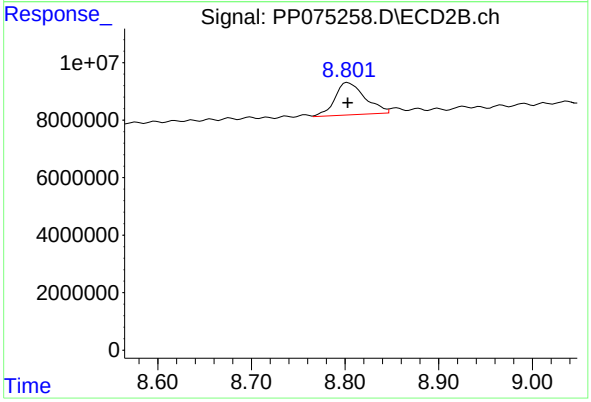
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 24170300
Conc: 4.09 ng/ml



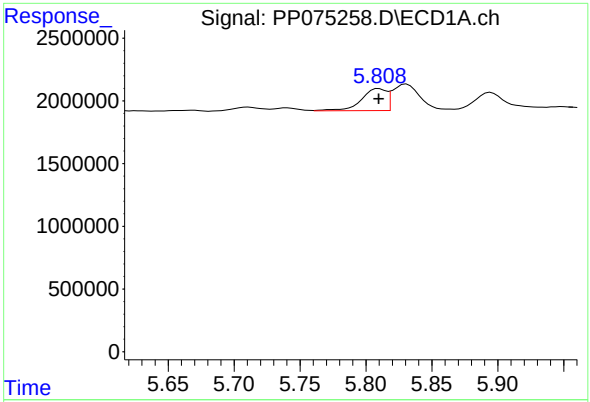
#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.000 min
Response: 4689985
Conc: 4.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 25196266
Conc: 4.21 ng/ml



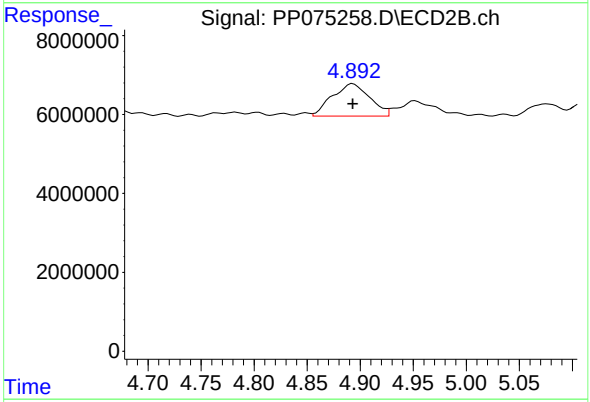
#16 AR-1242-1

R.T.: 5.810 min
Delta R.T.: 0.000 min
Response: 2326163
Conc: 55.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

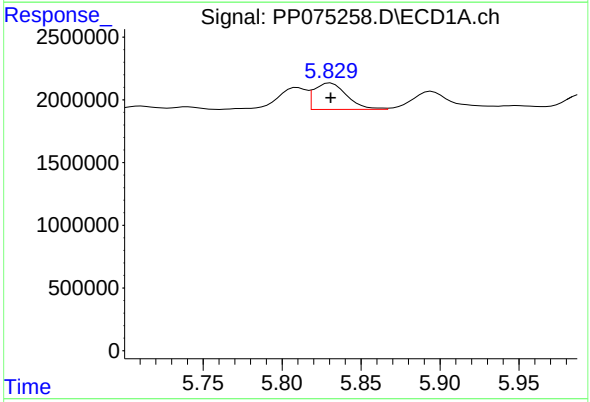
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



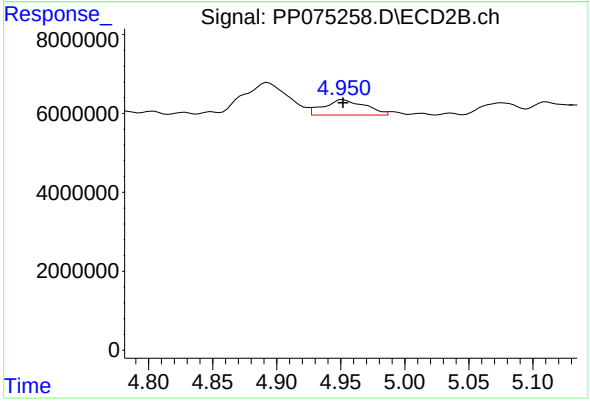
#16 AR-1242-1

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 20197768
Conc: 43.24 ng/ml



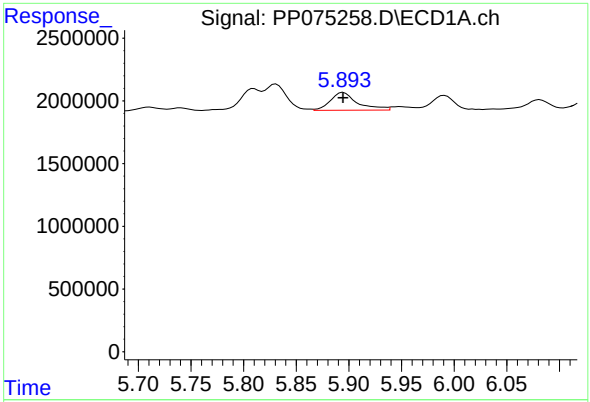
#17 AR-1242-2

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 3041537
Conc: 51.00 ng/ml



#17 AR-1242-2

R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 8746690
Conc: 41.86 ng/ml



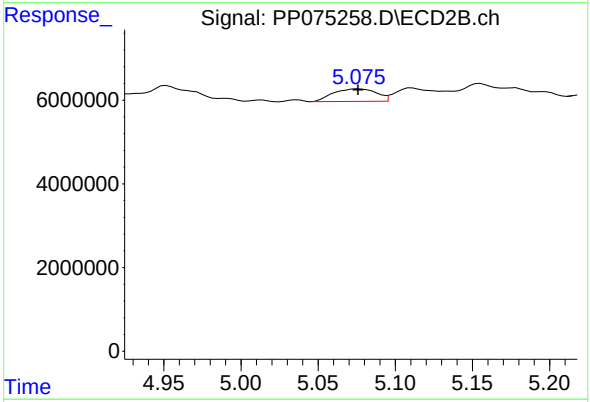
#18 AR-1242-3

R.T.: 5.895 min
Delta R.T.: 0.000 min
Response: 2534074
Conc: 62.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

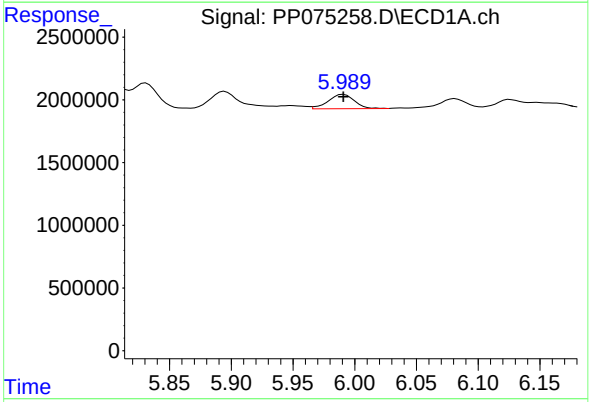
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



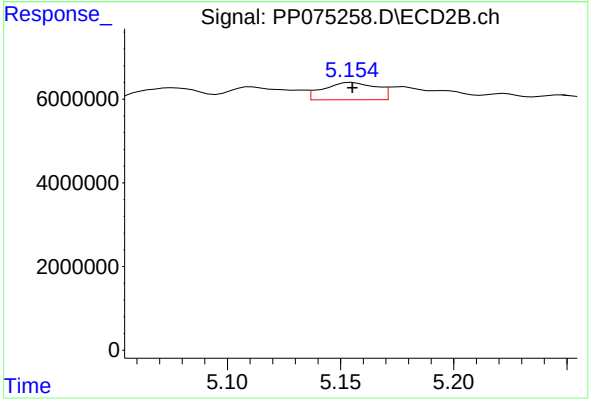
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 5839738
Conc: 47.88 ng/ml



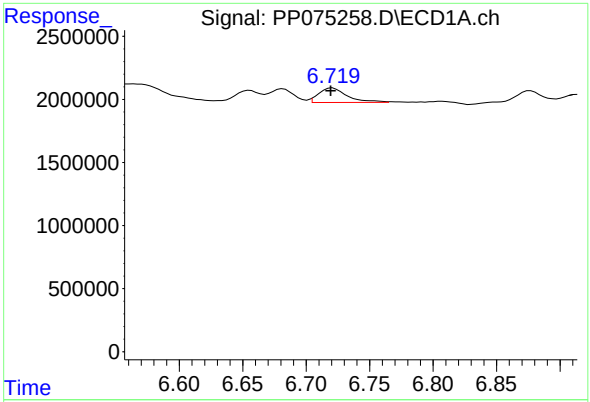
#19 AR-1242-4

R.T.: 5.991 min
Delta R.T.: 0.000 min
Response: 1692732
Conc: 53.85 ng/ml



#19 AR-1242-4

R.T.: 5.155 min
Delta R.T.: 0.000 min
Response: 6716503
Conc: 42.22 ng/ml



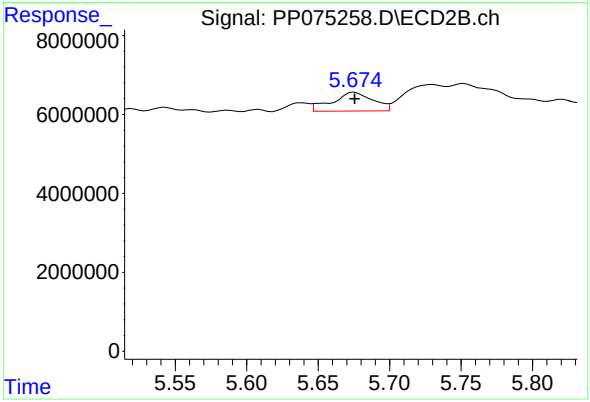
#20 AR-1242-5

R.T.: 6.719 min
Delta R.T.: 0.000 min
Response: 1779340
Conc: 50.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#20 AR-1242-5

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 9434797
Conc: 48.46 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:37
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:08:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.656	3.797	123.5E6	634.2E6	96.737	101.347
2)	SA Decachlor...	10.430	8.803	93621437	628.1E6	96.237	99.121
	Target Compounds						
21)	L5 AR-1248-1	5.807	4.893	29172565	313.0E6	949.898	994.107
22)	L5 AR-1248-2	6.078	5.113	39359802	194.6E6	950.495	985.073
23)	L5 AR-1248-3	6.281	5.153	44196144	238.8E6	953.794	934.027m
24)	L5 AR-1248-4	6.678	5.326	53562132	233.4E6	949.444	1004.611
25)	L5 AR-1248-5	6.718	5.716	51867384	417.5E6	947.013	958.730

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:37
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

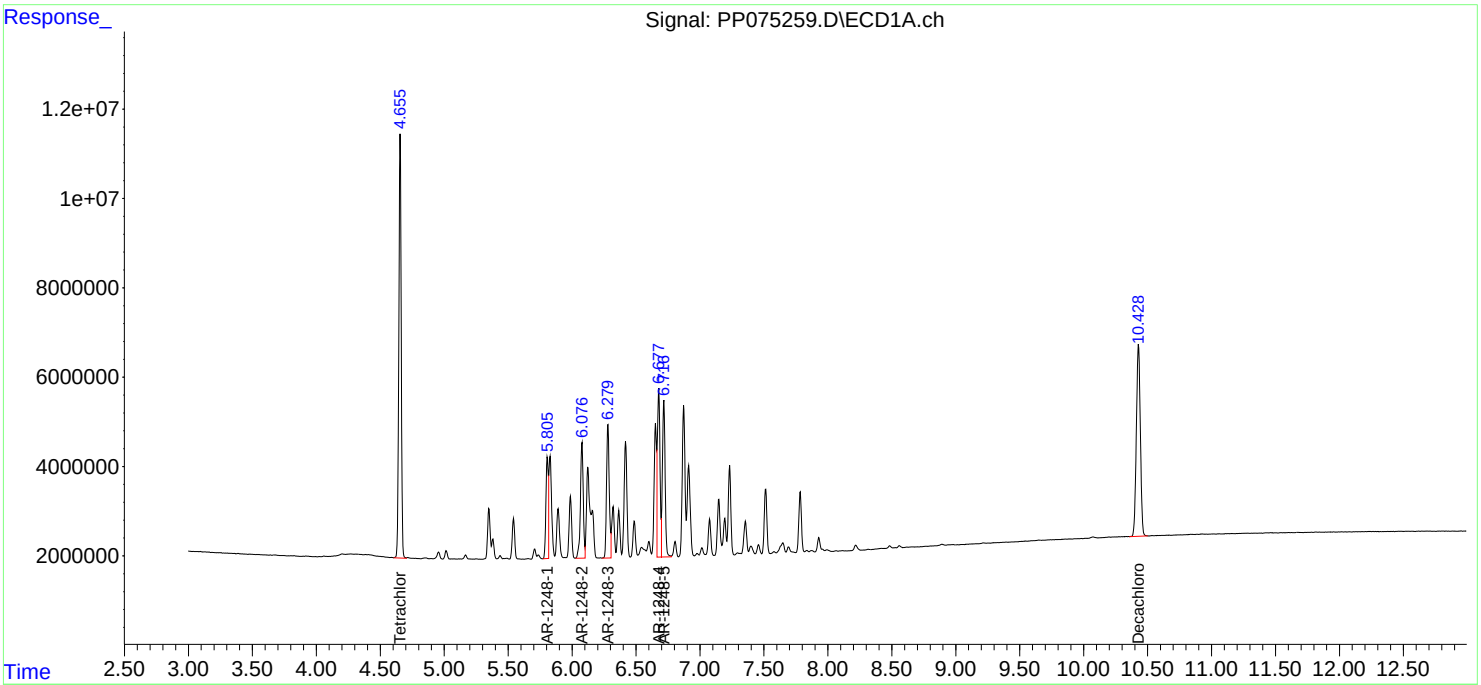
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

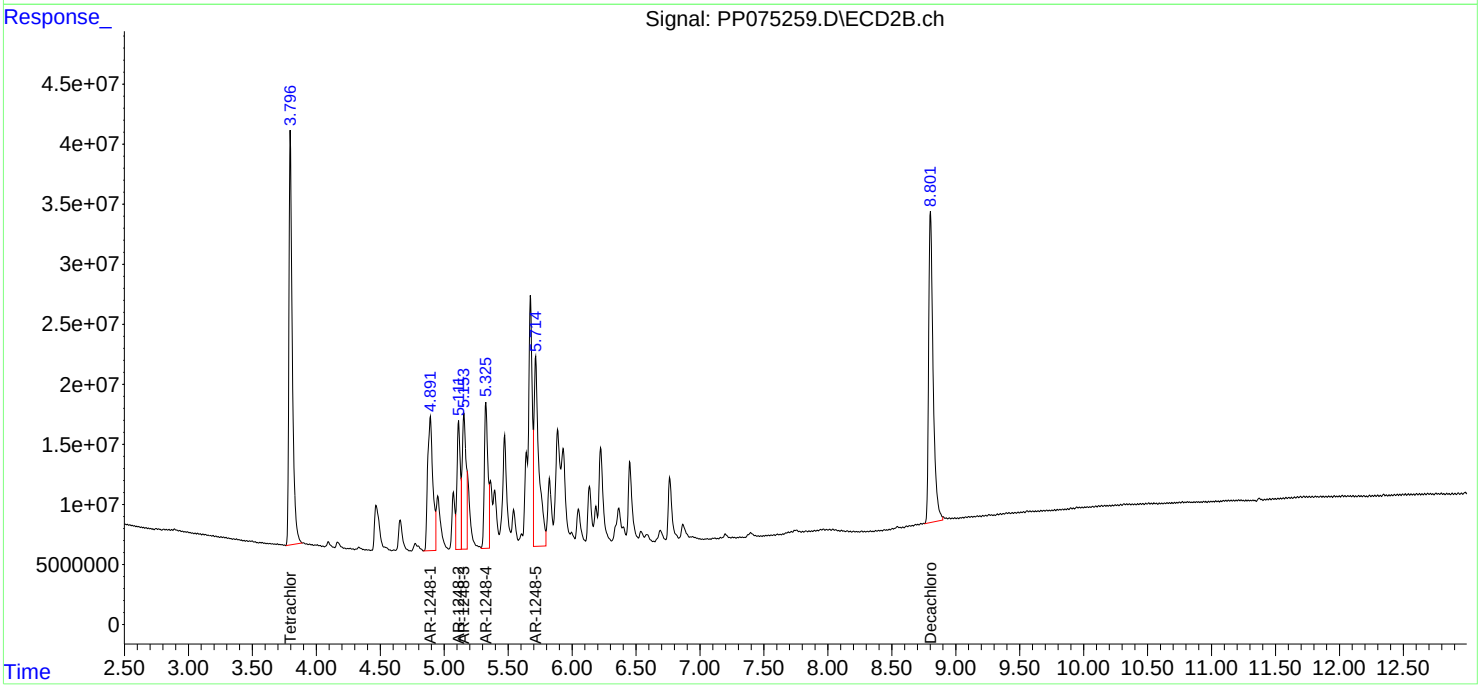
Manual Integrations APPROVED

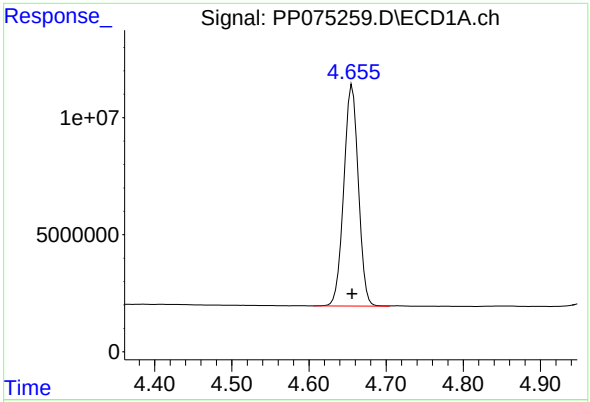
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:08:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







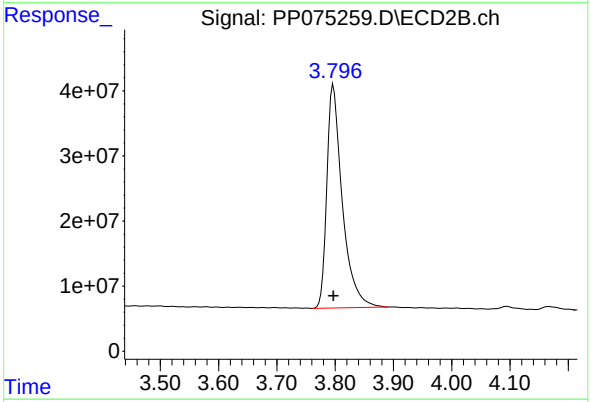
#1 Tetrachloro-m-xylene

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 123522262
Conc: 96.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

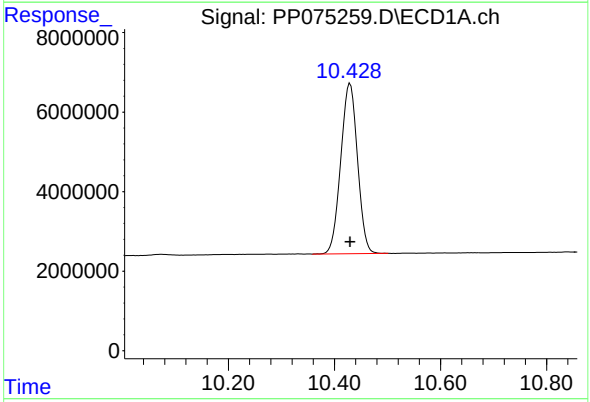
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



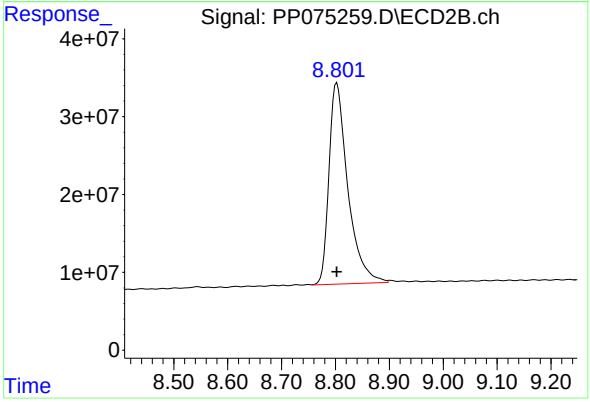
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 634213576
Conc: 101.35 ng/ml



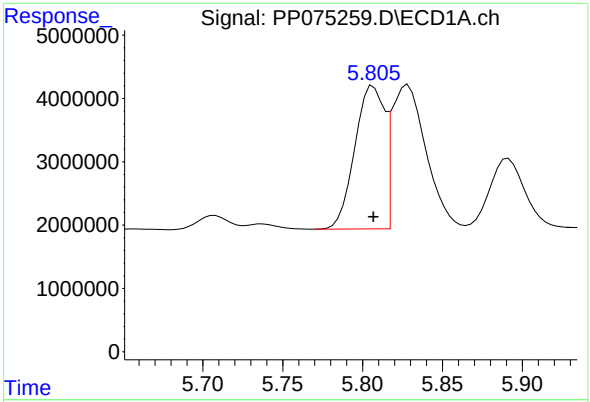
#2 Decachlorobiphenyl

R.T.: 10.430 min
Delta R.T.: 0.000 min
Response: 93621437
Conc: 96.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 628061988
Conc: 99.12 ng/ml



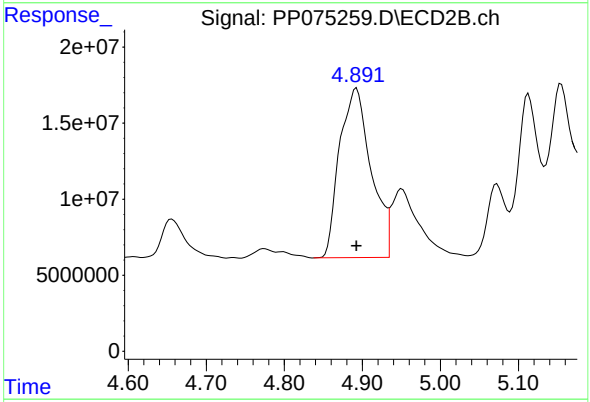
#21 AR-1248-1

R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 29172565
Conc: 949.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

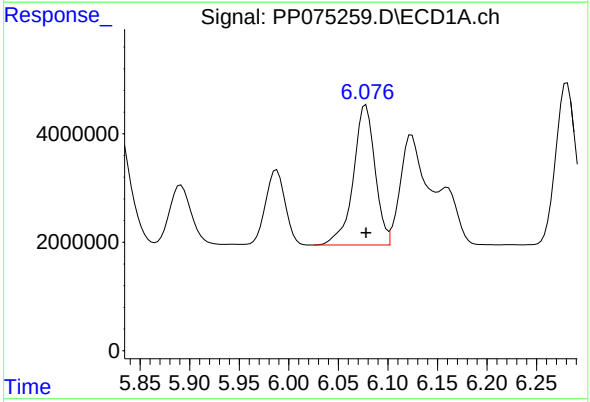
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



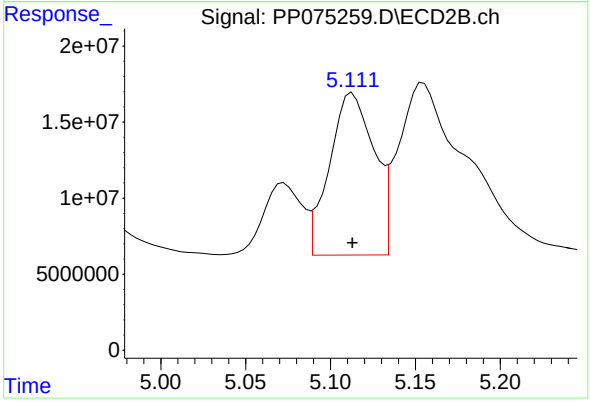
#21 AR-1248-1

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 313001525
Conc: 994.11 ng/ml



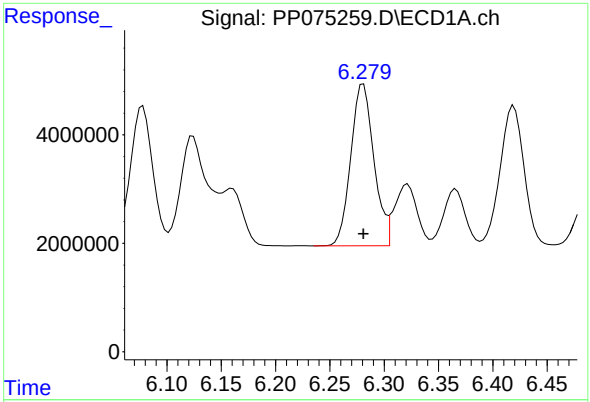
#22 AR-1248-2

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 39359802
Conc: 950.49 ng/ml



#22 AR-1248-2

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 194621063
Conc: 985.07 ng/ml



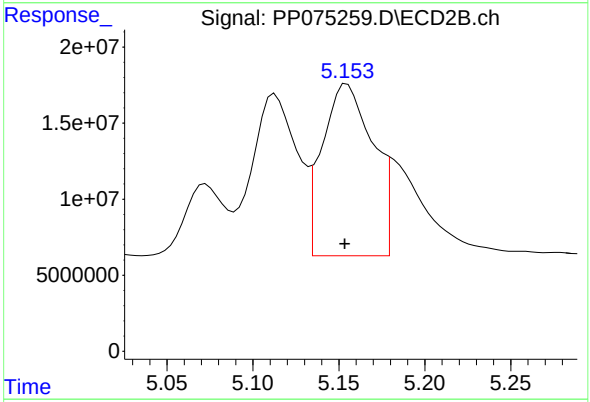
#23 AR-1248-3

R.T.: 6.281 min
Delta R.T.: 0.000 min
Response: 44196144
Conc: 953.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

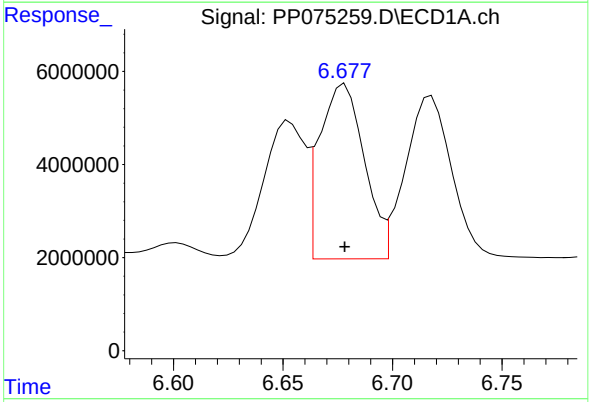
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



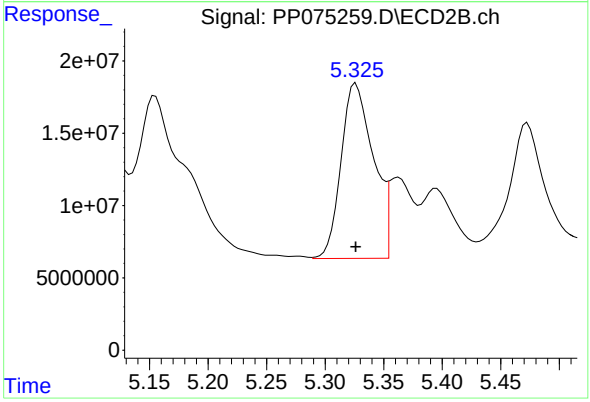
#23 AR-1248-3

R.T.: 5.153 min
Delta R.T.: 0.000 min
Response: 238833016
Conc: 934.03 ng/ml m



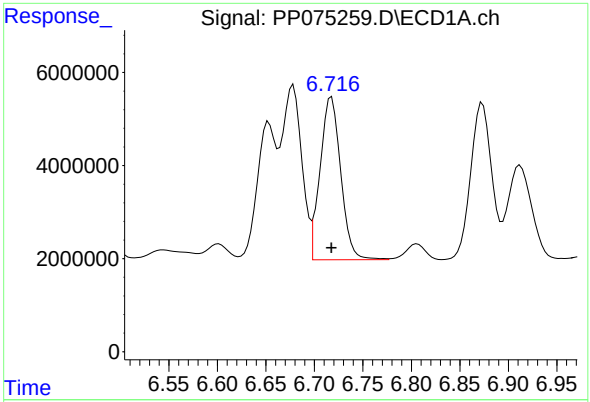
#24 AR-1248-4

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 53562132
Conc: 949.44 ng/ml



#24 AR-1248-4

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 233390044
Conc: 1004.61 ng/ml



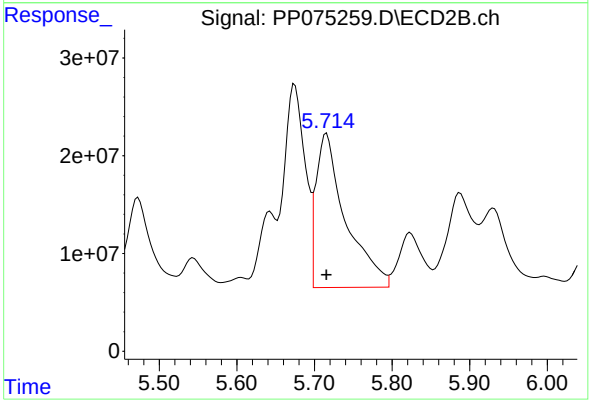
#25 AR-1248-5

R.T.: 6.718 min
Delta R.T.: 0.000 min
Response: 51867384
Conc: 947.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#25 AR-1248-5

R.T.: 5.716 min
Delta R.T.: 0.000 min
Response: 417516536
Conc: 958.73 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:53
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:11:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.801	96387949	476.3E6	75.324	75.742
2)	SA Decachlor...	10.437	8.808	73513004	475.1E6	75.377	74.984
	Target Compounds						
21)	L5 AR-1248-1	5.810	4.897	23548183	235.7E6	761.091	749.095
22)	L5 AR-1248-2	6.081	5.117	31337463	153.7E6	754.496	768.427
23)	L5 AR-1248-3	6.284	5.157	35028270	183.3E6	753.951	722.769m
24)	L5 AR-1248-4	6.681	5.331	42467941	177.0E6	751.857	757.895
25)	L5 AR-1248-5	6.721	5.719	41109339	325.2E6	750.393	747.880

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:53
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

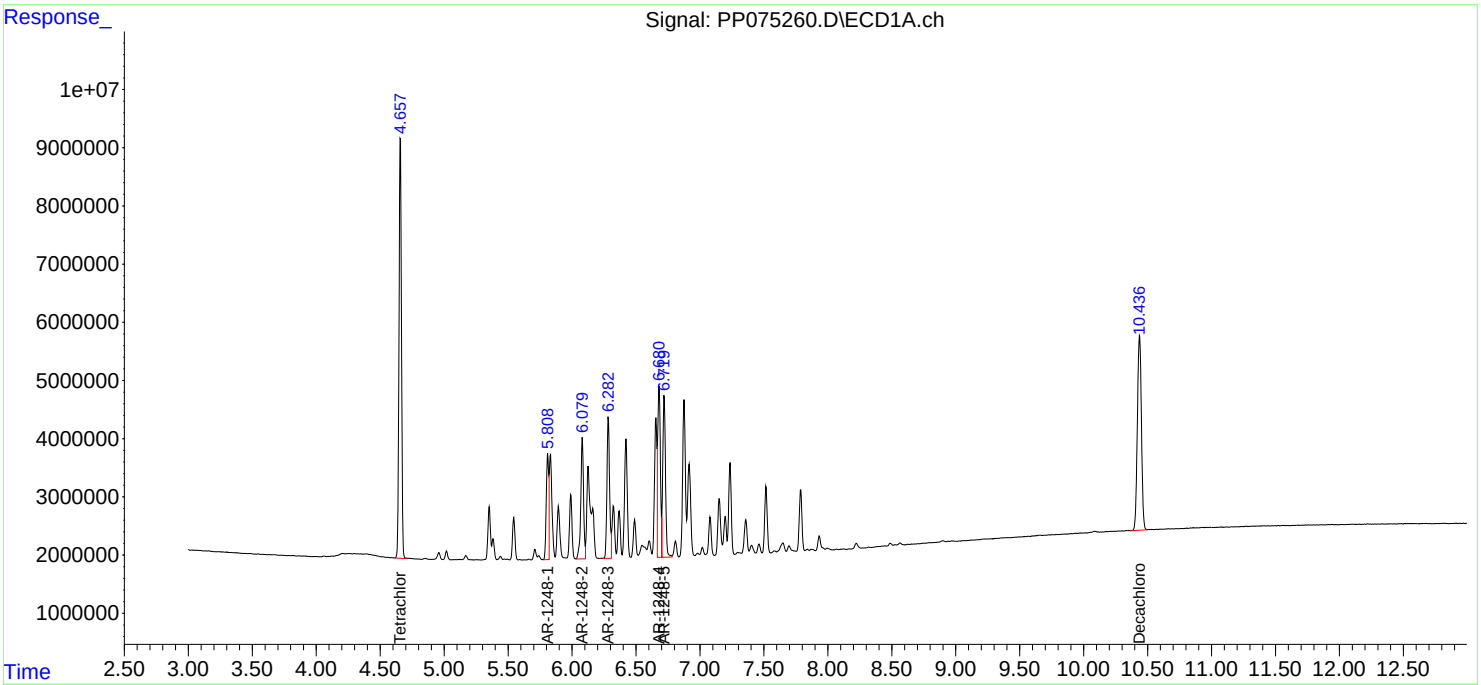
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

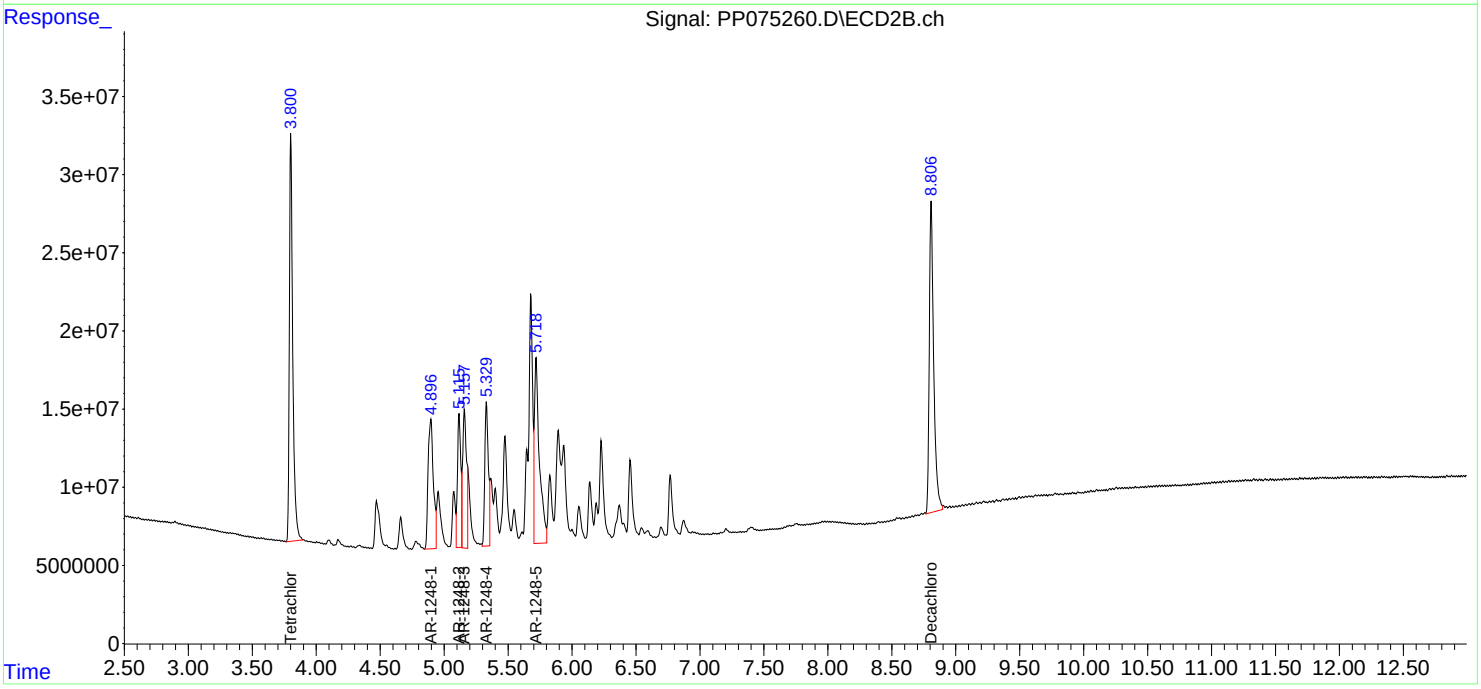
Manual Integrations APPROVED

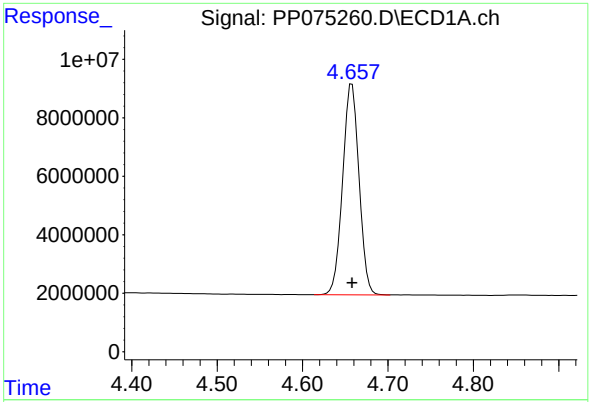
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:11:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







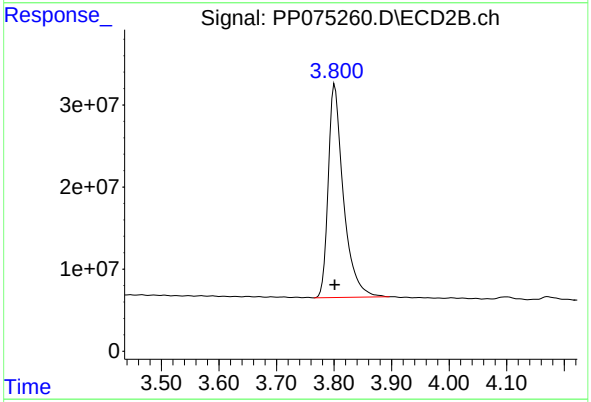
#1 Tetrachloro-m-xylene

R.T.: 4.658 min
Delta R.T.: 0.000 min
Response: 96387949
Conc: 75.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

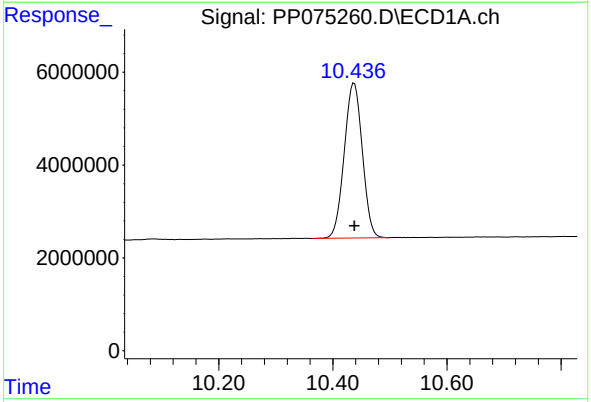
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



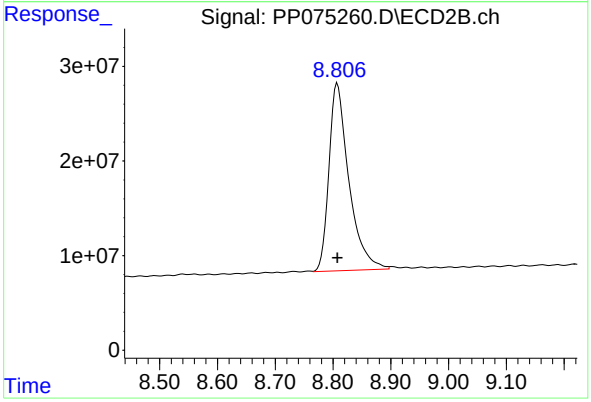
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: 0.000 min
Response: 476334942
Conc: 75.74 ng/ml



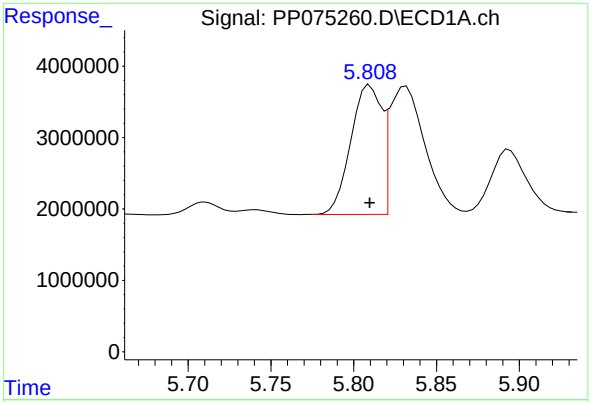
#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.000 min
Response: 73513004
Conc: 75.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.808 min
Delta R.T.: 0.000 min
Response: 475073939
Conc: 74.98 ng/ml



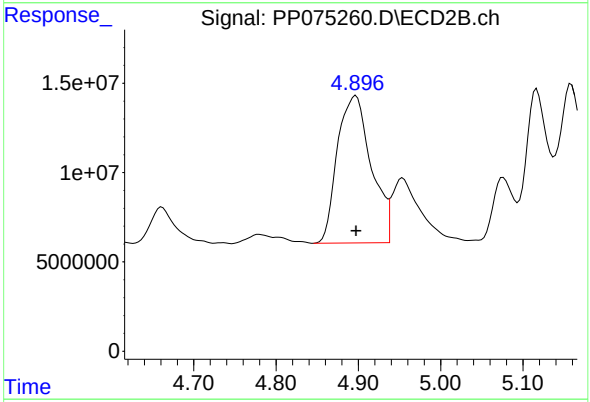
#21 AR-1248-1

R.T.: 5.810 min
Delta R.T.: 0.000 min
Response: 23548183
Conc: 761.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

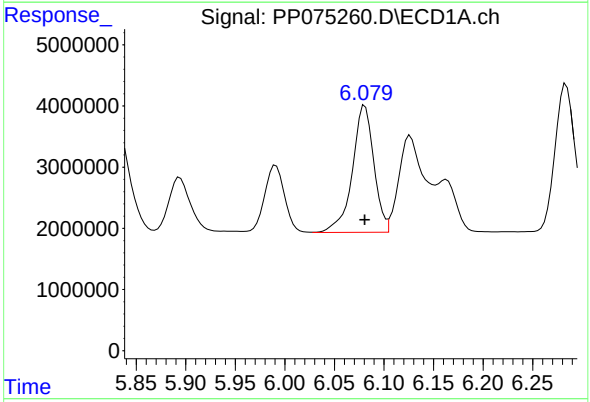
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



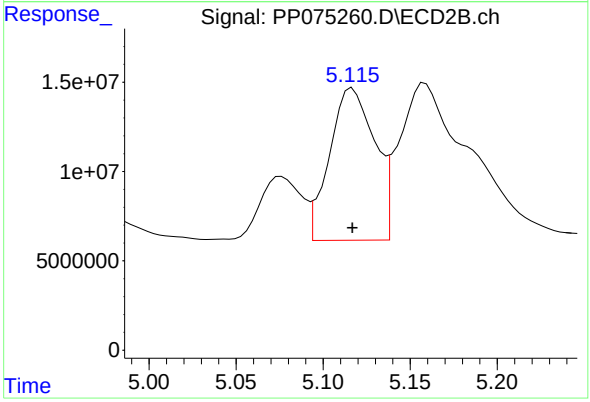
#21 AR-1248-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 235715637
Conc: 749.10 ng/ml



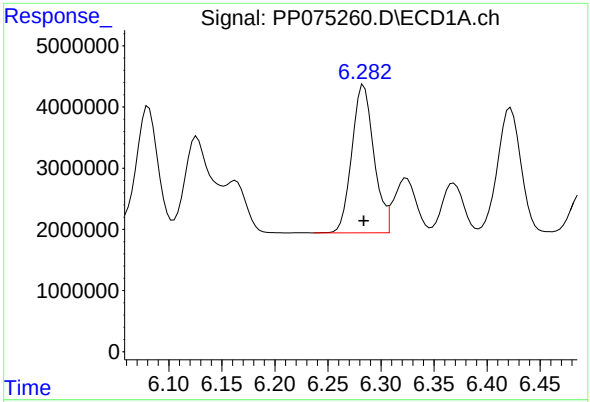
#22 AR-1248-2

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 31337463
Conc: 754.50 ng/ml



#22 AR-1248-2

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 153706618
Conc: 768.43 ng/ml



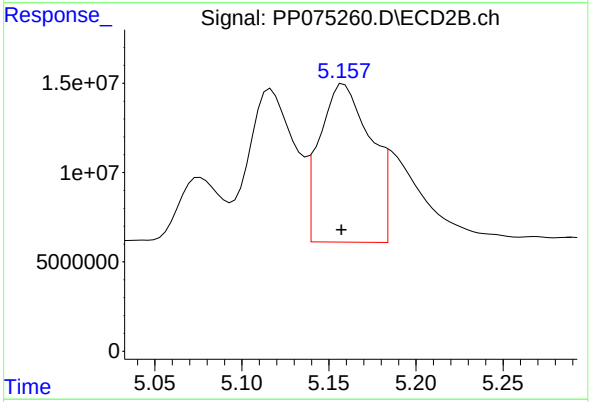
#23 AR-1248-3

R.T.: 6.284 min
Delta R.T.: 0.000 min
Response: 35028270
Conc: 753.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

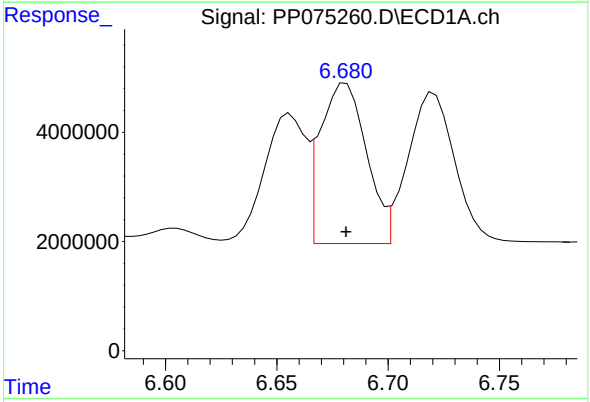
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



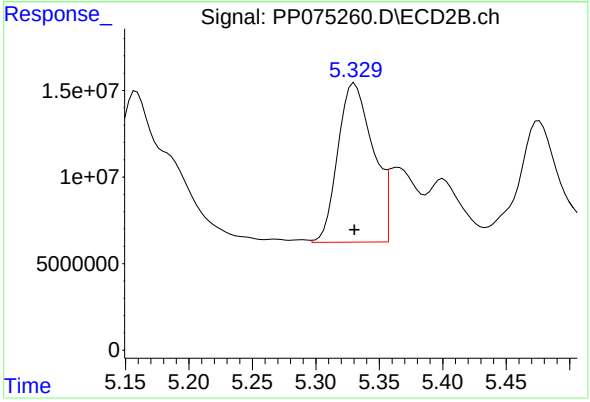
#23 AR-1248-3

R.T.: 5.157 min
Delta R.T.: 0.000 min
Response: 183253915
Conc: 722.77 ng/ml m



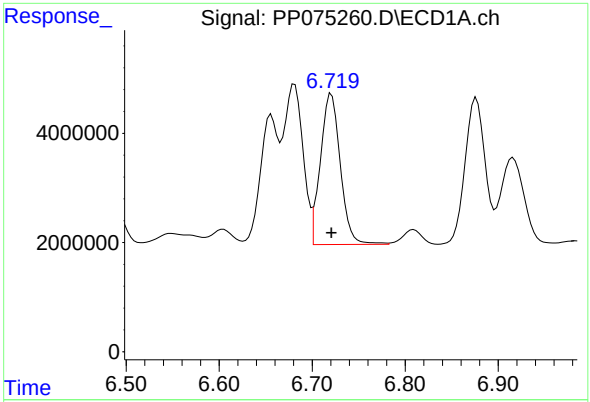
#24 AR-1248-4

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 42467941
Conc: 751.86 ng/ml



#24 AR-1248-4

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 177004743
Conc: 757.89 ng/ml



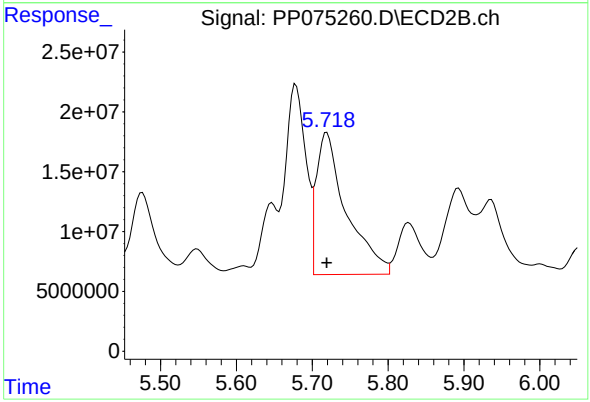
#25 AR-1248-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 41109339
Conc: 750.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#25 AR-1248-5

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 325234126
Conc: 747.88 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075261.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:10
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.796	65927642	308.7E6	50.000	50.000
2)	SA Decachlor...	10.439	8.803	50471290	319.6E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.811	4.892	16124985	158.4E6	500.000	500.000
22)	L5 AR-1248-2	6.083	5.112	21729896	100.3E6	500.000	500.000
23)	L5 AR-1248-3	6.285	5.152	24239118	131.8E6	500.000	515.550m
24)	L5 AR-1248-4	6.683	5.325	29633124	115.6E6	500.000	500.000
25)	L5 AR-1248-5	6.723	5.714	28835751	226.7E6	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075261.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:10
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

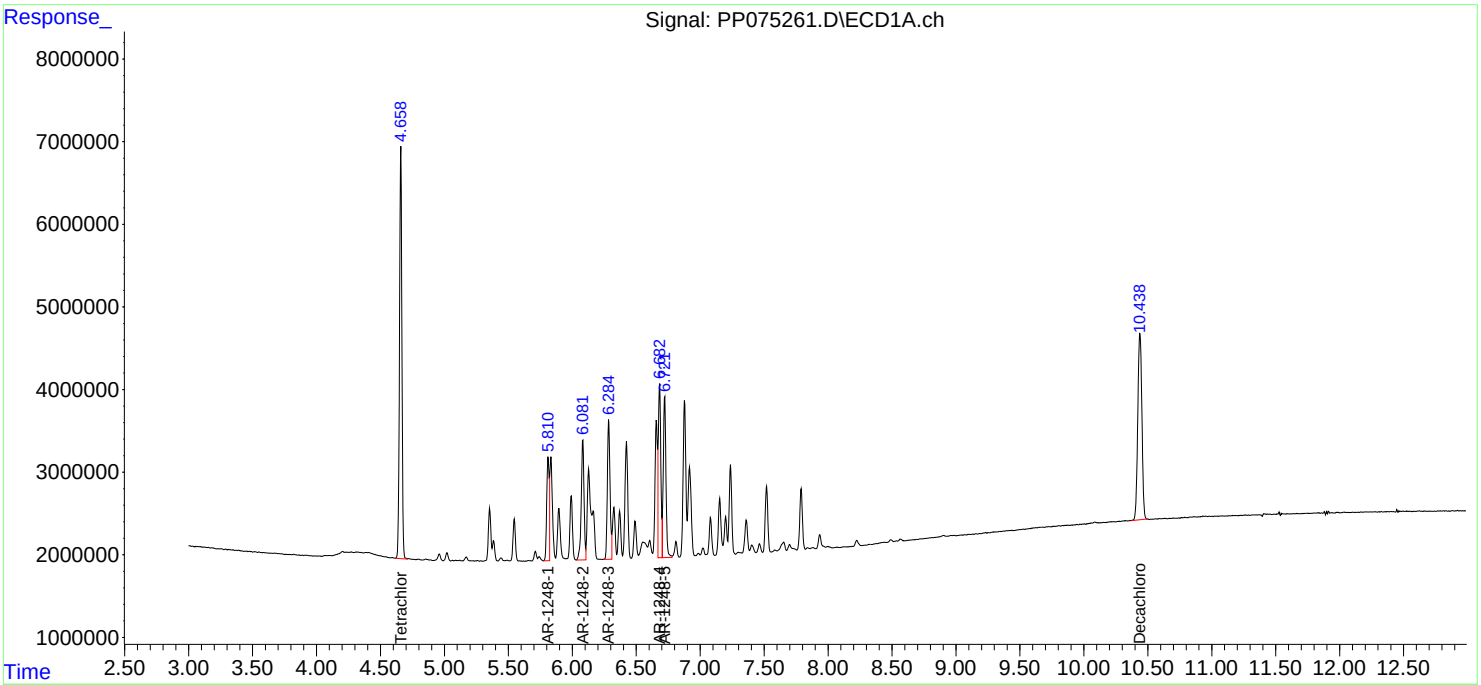
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

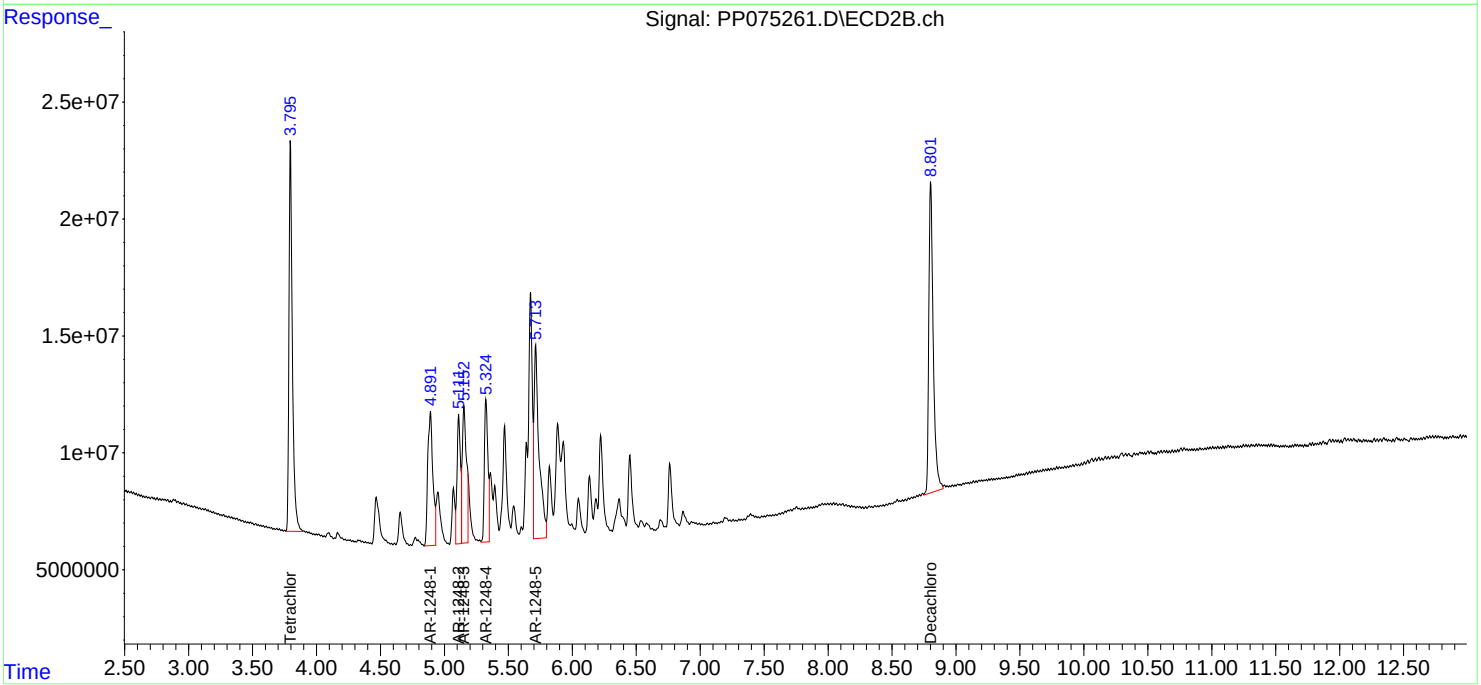
Manual Integrations APPROVED

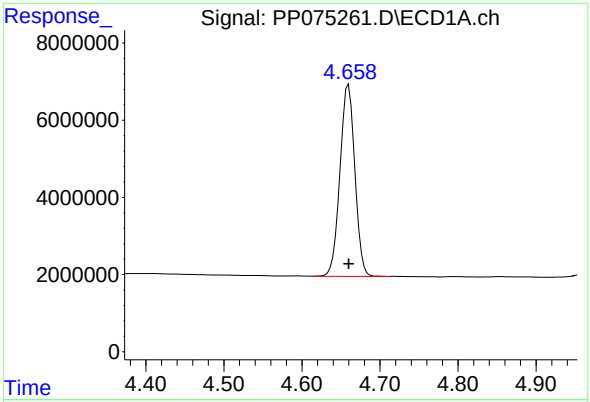
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







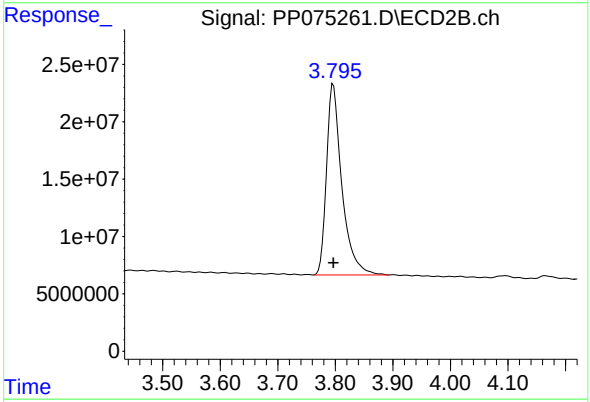
#1 Tetrachloro-m-xylene

R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 65927642
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

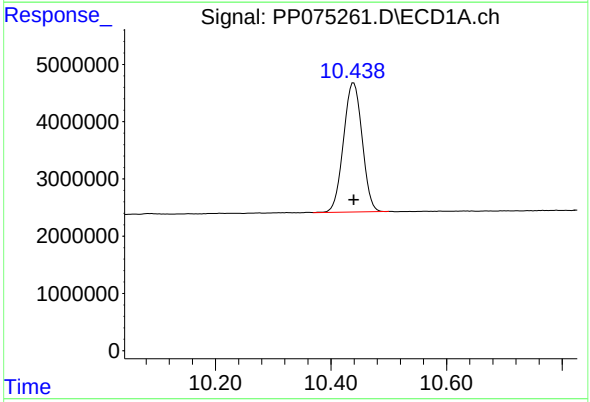
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



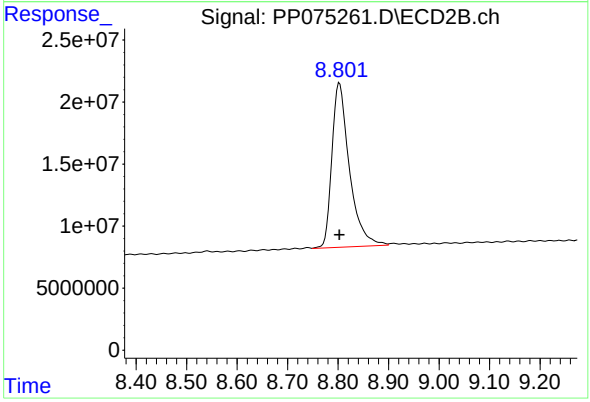
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 308675147
Conc: 50.00 ng/ml



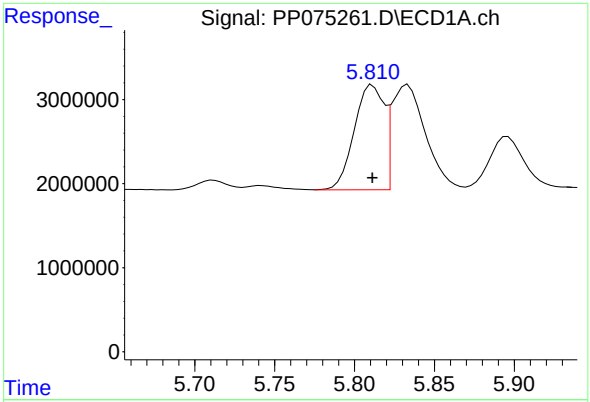
#2 Decachlorobiphenyl

R.T.: 10.439 min
Delta R.T.: 0.000 min
Response: 50471290
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 319600115
Conc: 50.00 ng/ml



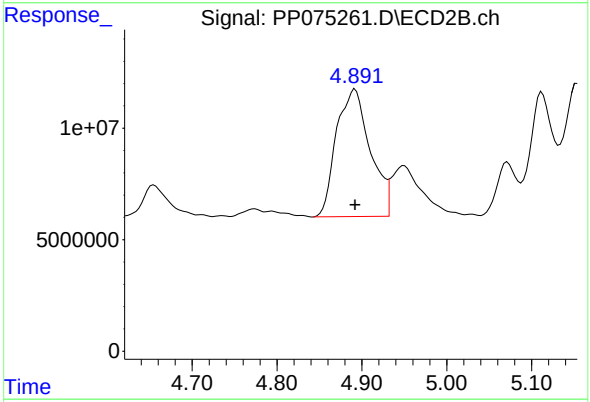
#21 AR-1248-1

R.T.: 5.811 min
Delta R.T.: 0.000 min
Response: 16124985
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

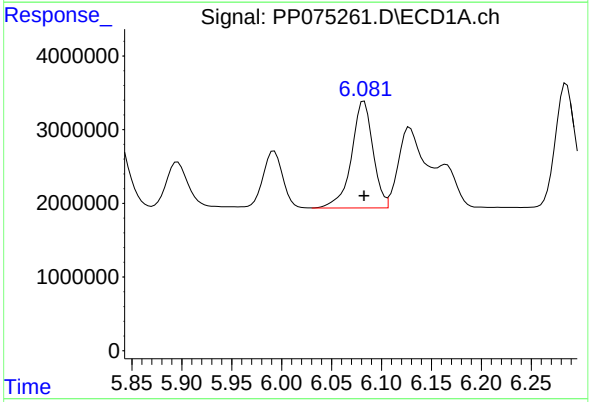
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



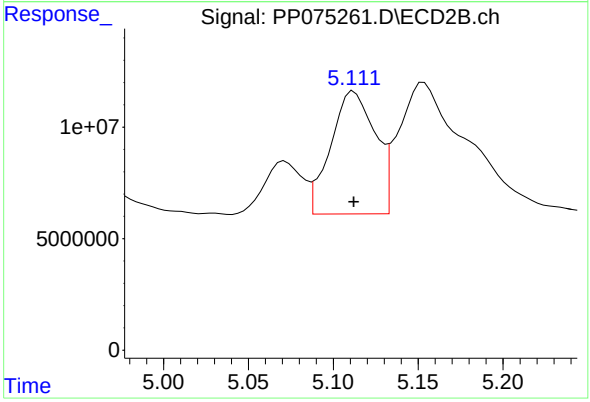
#21 AR-1248-1

R.T.: 4.892 min
Delta R.T.: 0.000 min
Response: 158356149
Conc: 500.00 ng/ml



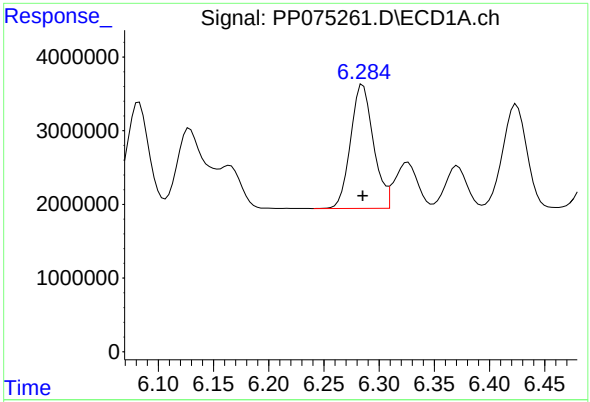
#22 AR-1248-2

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 21729896
Conc: 500.00 ng/ml



#22 AR-1248-2

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 100259637
Conc: 500.00 ng/ml



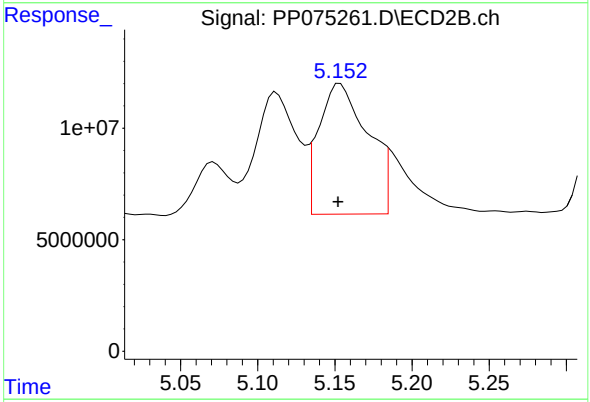
#23 AR-1248-3

R.T.: 6.285 min
Delta R.T.: 0.000 min
Response: 24239118
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

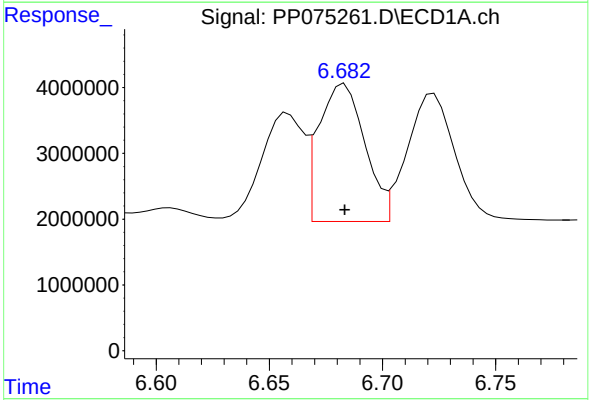
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



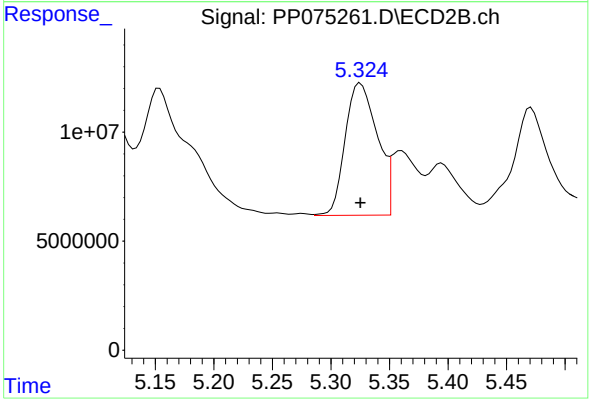
#23 AR-1248-3

R.T.: 5.152 min
Delta R.T.: 0.000 min
Response: 131811046
Conc: 515.55 ng/ml m



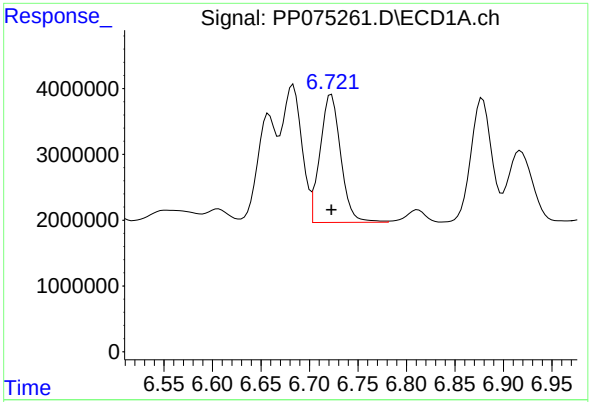
#24 AR-1248-4

R.T.: 6.683 min
Delta R.T.: 0.000 min
Response: 29633124
Conc: 500.00 ng/ml



#24 AR-1248-4

R.T.: 5.325 min
Delta R.T.: 0.000 min
Response: 115623755
Conc: 500.00 ng/ml



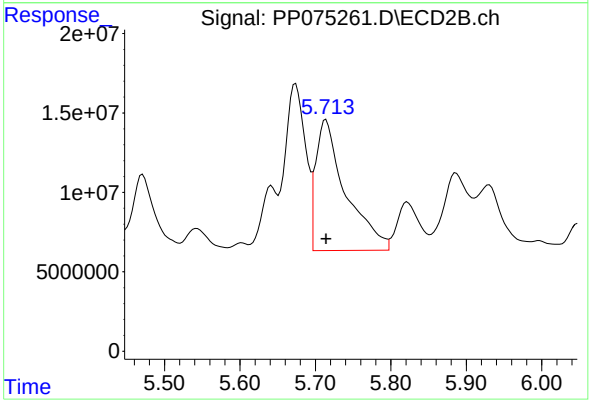
#25 AR-1248-5

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 28835751
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#25 AR-1248-5

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 226731113
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075262.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:26
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:14:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.801	33217069	138.8E6	25.712	22.741
2)	SA Decachlor...	10.437	8.806	25462185	150.8E6	25.822	24.087
	Target Compounds						
21)	L5 AR-1248-1	5.809	4.895	8438835	78304958	266.682	249.137
22)	L5 AR-1248-2	6.080	5.116	11269776	51510660	265.668	255.596
23)	L5 AR-1248-3	6.282	5.157	12543499	64693904	264.697	262.977m
24)	L5 AR-1248-4	6.681	5.329	15335475	57505517	265.786	247.159
25)	L5 AR-1248-5	6.720	5.719	15386978	109.3E6	272.457	250.932

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075262.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:26
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

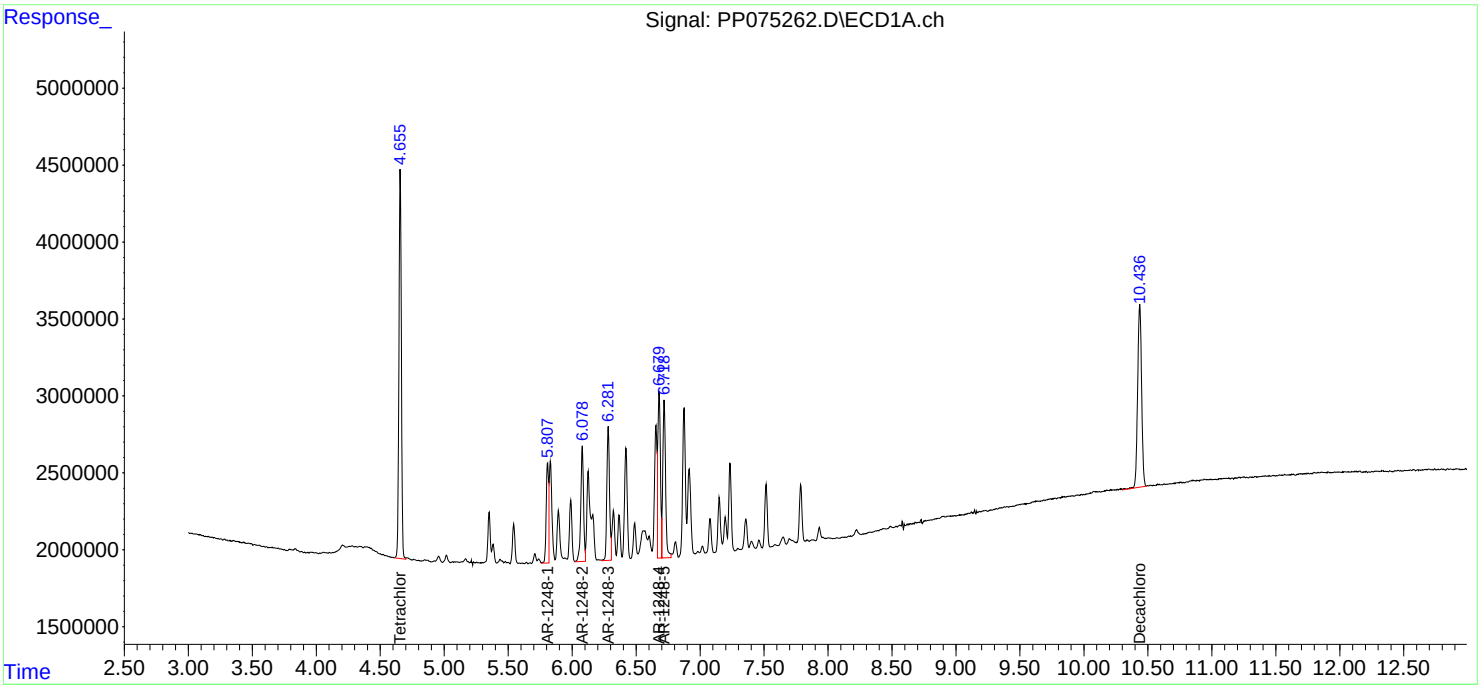
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

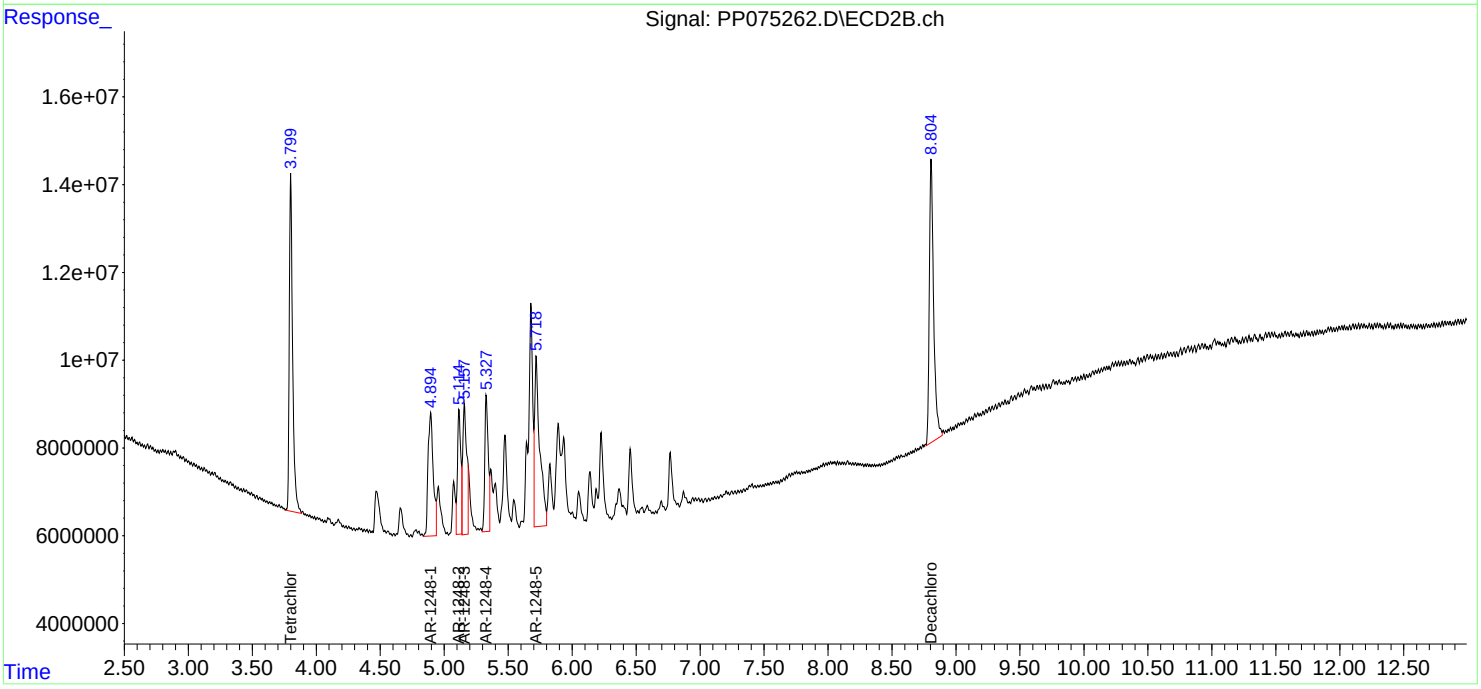
Manual Integrations APPROVED

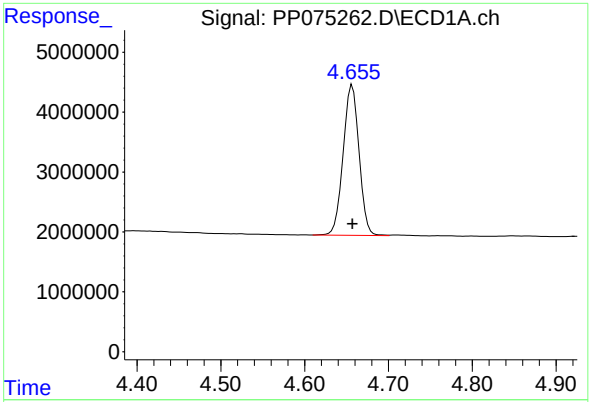
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:14:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







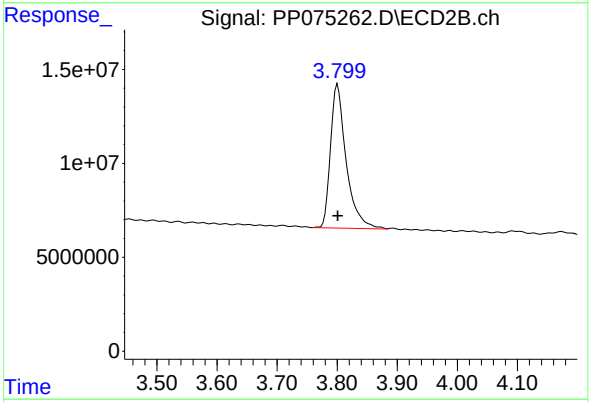
#1 Tetrachloro-m-xylene

R.T.: 4.657 min
Delta R.T.: 0.000 min
Response: 33217069
Conc: 25.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

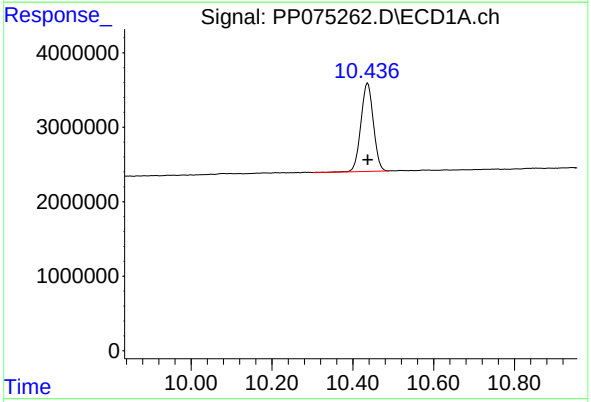
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



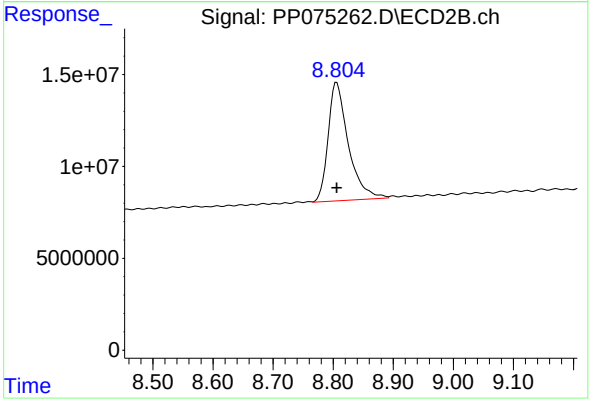
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: 0.000 min
Response: 138838609
Conc: 22.74 ng/ml



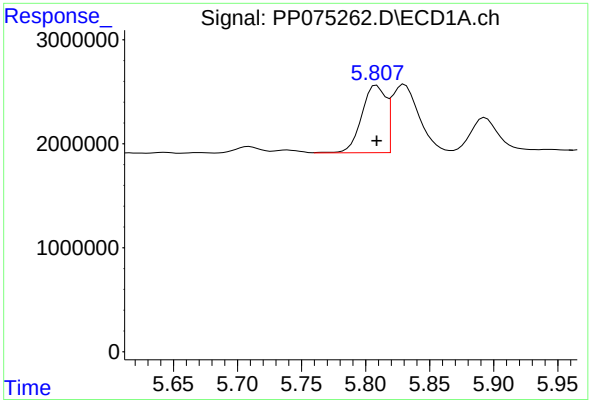
#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.000 min
Response: 25462185
Conc: 25.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: 0.000 min
Response: 150774763
Conc: 24.09 ng/ml



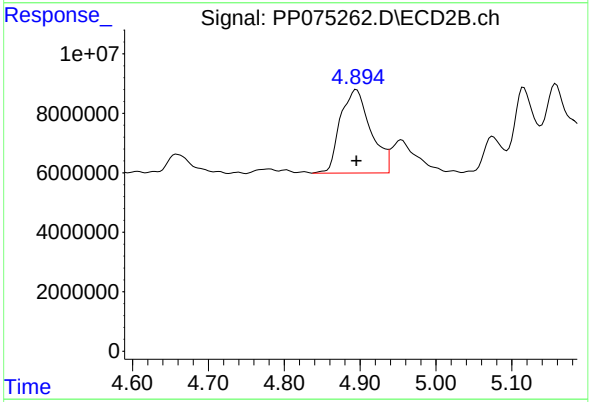
#21 AR-1248-1

R.T.: 5.809 min
Delta R.T.: 0.000 min
Response: 8438835
Conc: 266.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

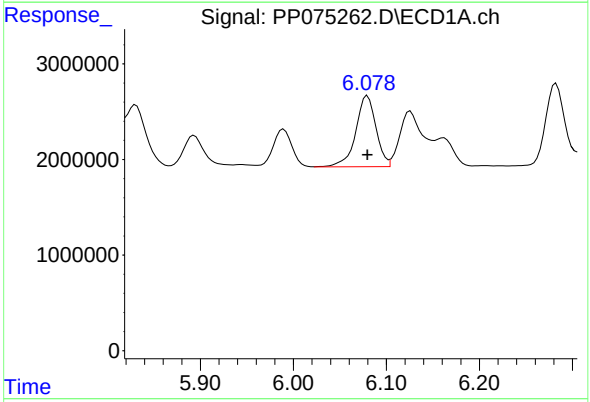
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



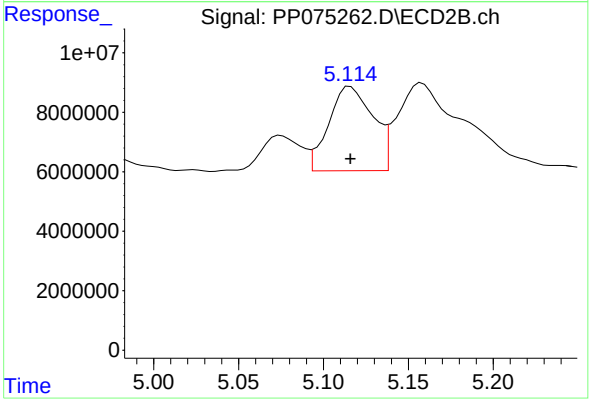
#21 AR-1248-1

R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 78304958
Conc: 249.14 ng/ml



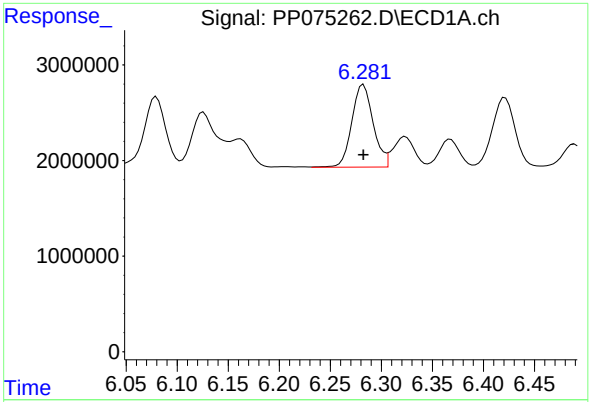
#22 AR-1248-2

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 11269776
Conc: 265.67 ng/ml



#22 AR-1248-2

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 51510660
Conc: 255.60 ng/ml



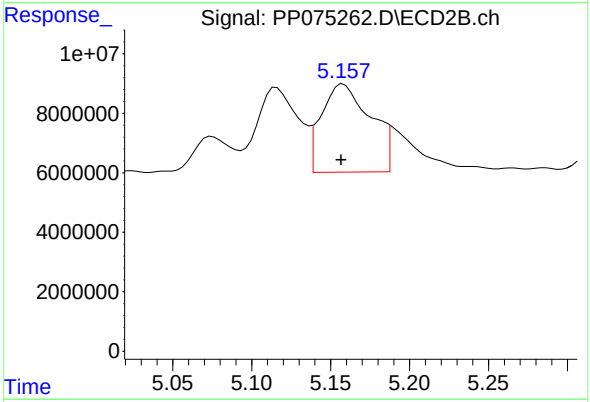
#23 AR-1248-3

R.T.: 6.282 min
Delta R.T.: 0.000 min
Response: 12543499
Conc: 264.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

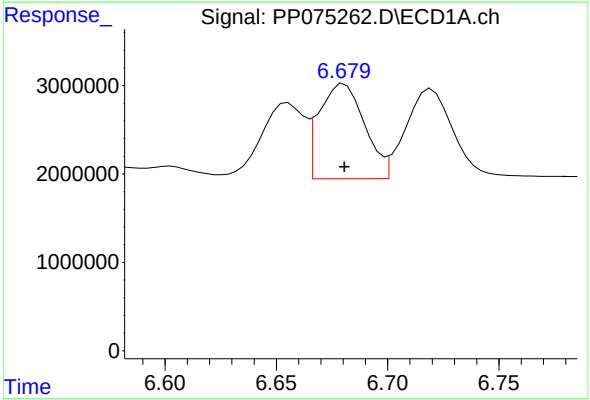
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



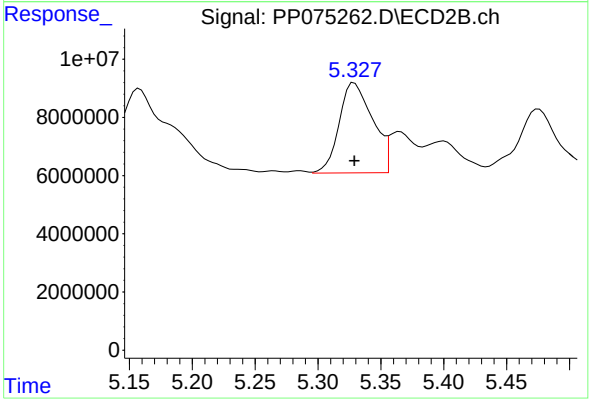
#23 AR-1248-3

R.T.: 5.157 min
Delta R.T.: 0.000 min
Response: 64693904
Conc: 262.98 ng/ml m



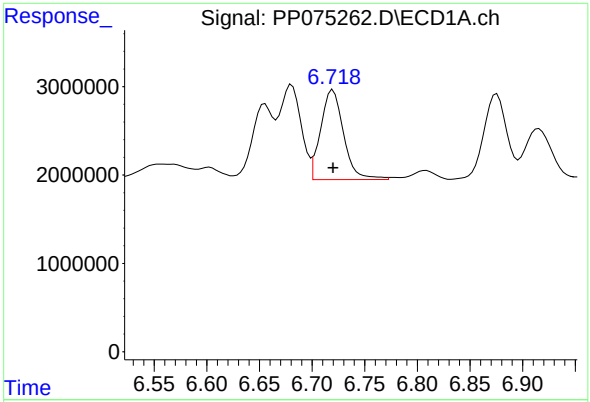
#24 AR-1248-4

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 15335475
Conc: 265.79 ng/ml



#24 AR-1248-4

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 57505517
Conc: 247.16 ng/ml



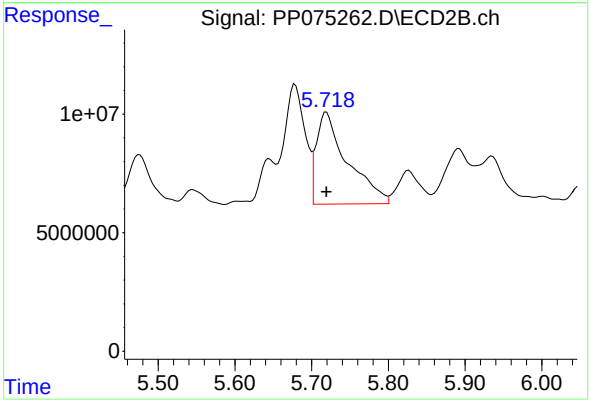
#25 AR-1248-5

R.T.: 6.720 min
Delta R.T.: 0.000 min
Response: 15386978
Conc: 272.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#25 AR-1248-5

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 109260049
Conc: 250.93 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:42
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:19:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.655	3.797	6566364	21995820	5.074m	3.816
2)	SA Decachlor...	10.437	8.804	4912073	26887807	4.985	4.420
	Target Compounds						
21)	L5 AR-1248-1	5.809	4.897	1561167	12255520	49.467	40.788
22)	L5 AR-1248-2	6.080	5.114	2357910	10313506	54.370	50.936
23)	L5 AR-1248-3	6.282	5.154	2462035	12158074	51.552	45.736m
24)	L5 AR-1248-4	6.681	5.326	3238253	11652585	54.782	50.066
25)	L5 AR-1248-5	6.719	5.728	3479899	15059630	59.114m	36.859 #

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:42
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

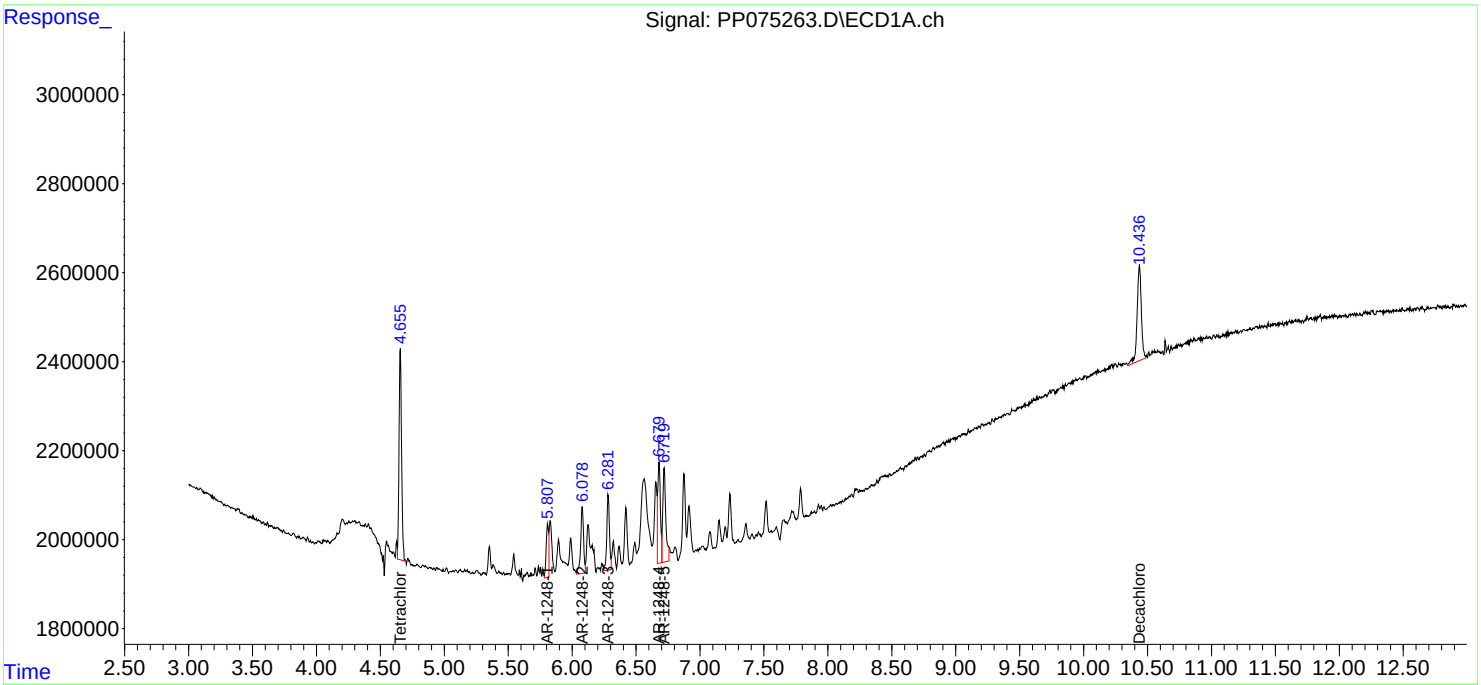
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

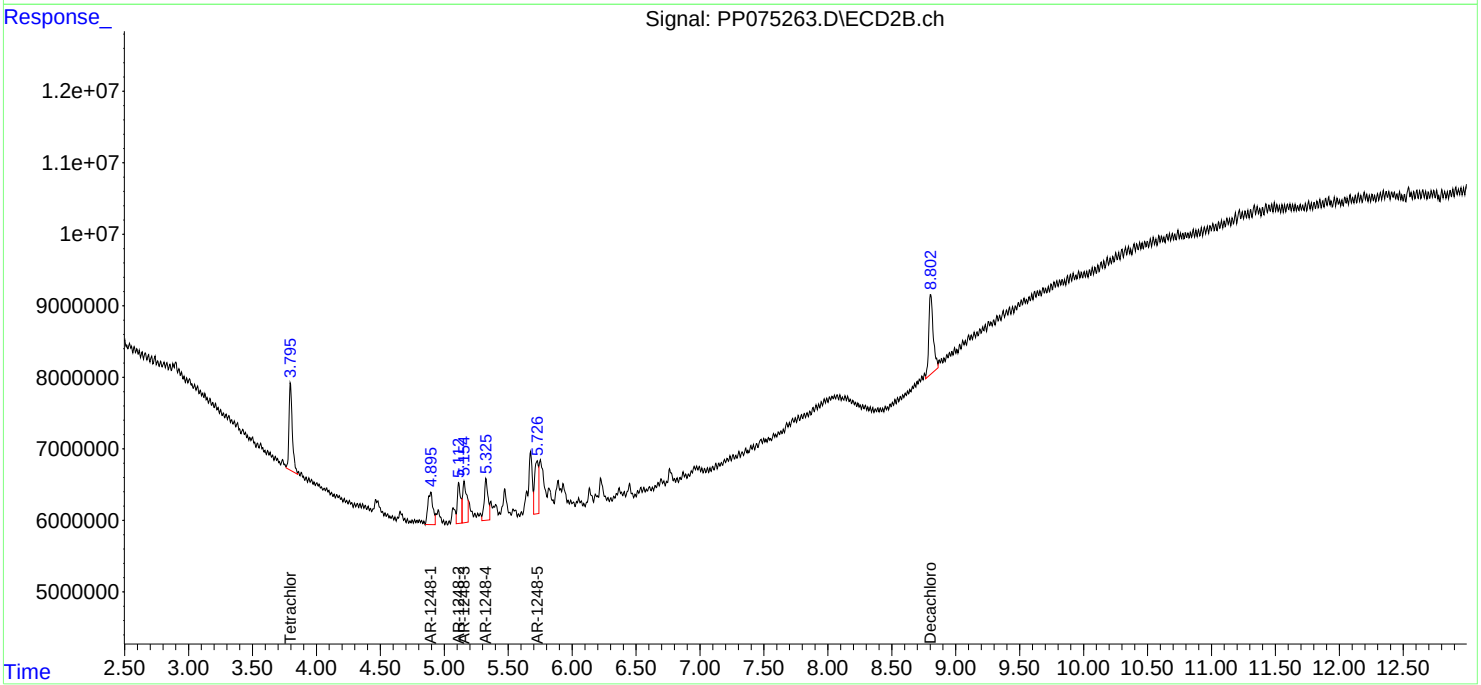
Manual Integrations APPROVED

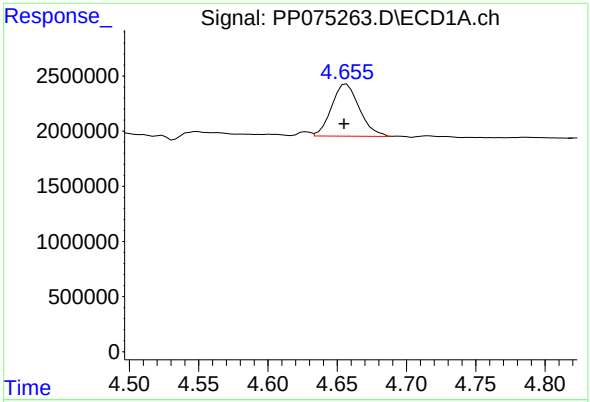
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:19:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







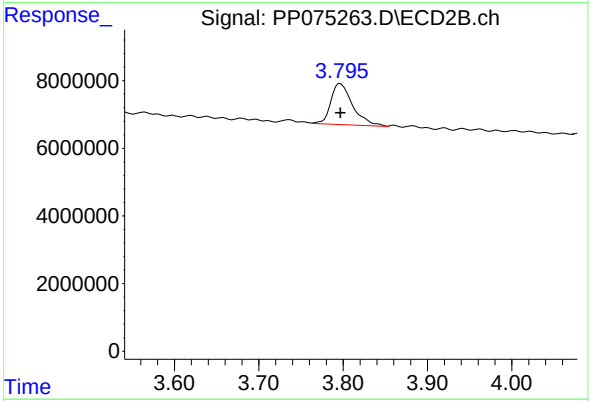
#1 Tetrachloro-m-xylene

R.T.: 4.655 min
Delta R.T.: 0.000 min
Response: 6566364
Conc: 5.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

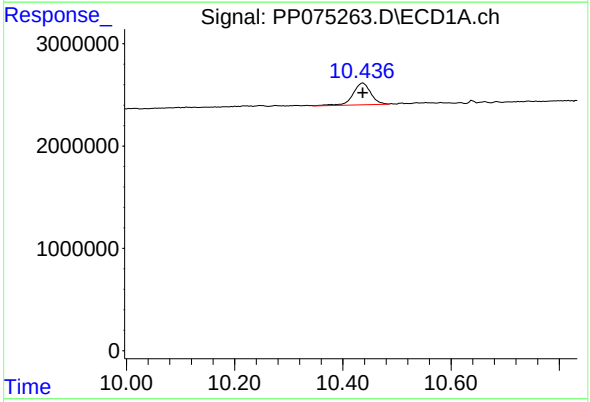
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



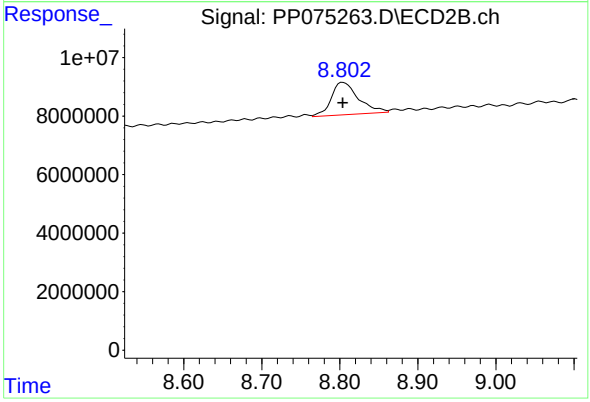
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 21995820
Conc: 3.82 ng/ml



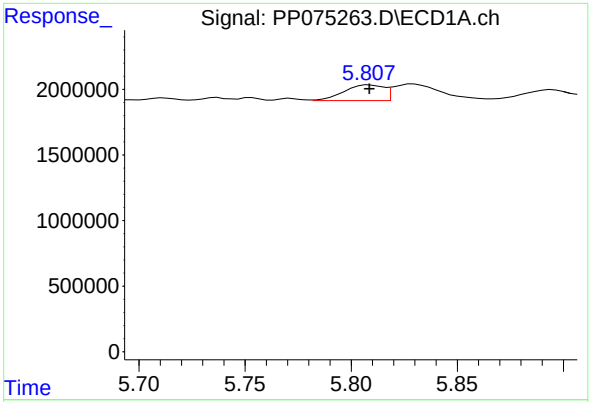
#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.000 min
Response: 4912073
Conc: 4.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.804 min
Delta R.T.: 0.000 min
Response: 26887807
Conc: 4.42 ng/ml



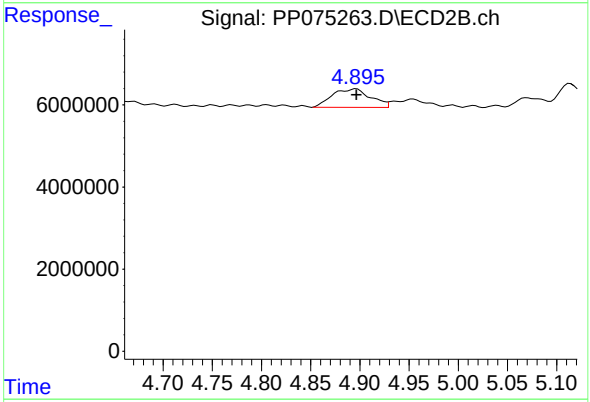
#21 AR-1248-1

R.T.: 5.809 min
Delta R.T.: 0.000 min
Response: 1561167
Conc: 49.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

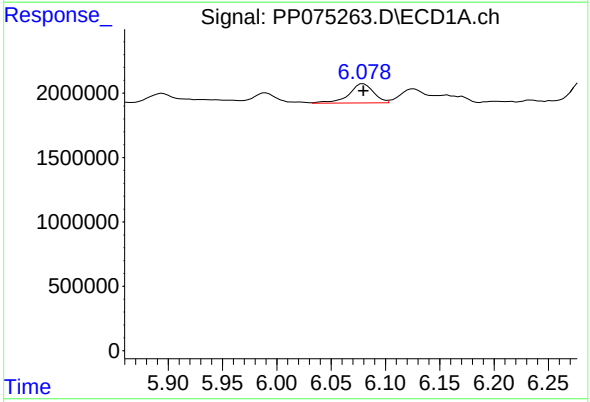
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



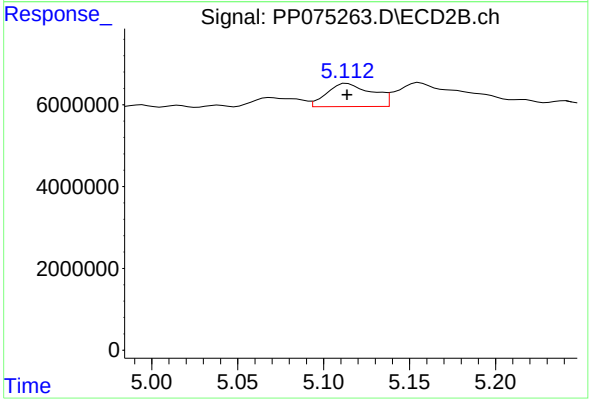
#21 AR-1248-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 12255520
Conc: 40.79 ng/ml



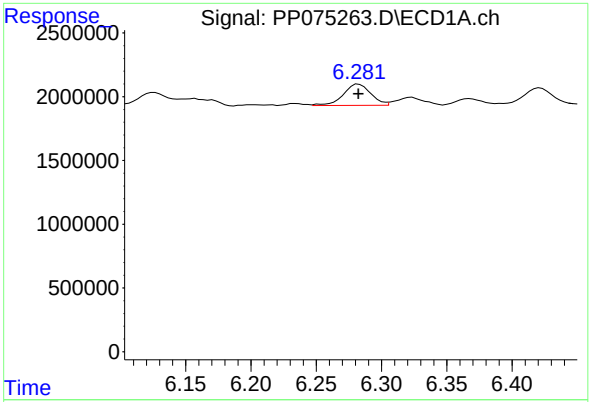
#22 AR-1248-2

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 2357910
Conc: 54.37 ng/ml



#22 AR-1248-2

R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 10313506
Conc: 50.94 ng/ml



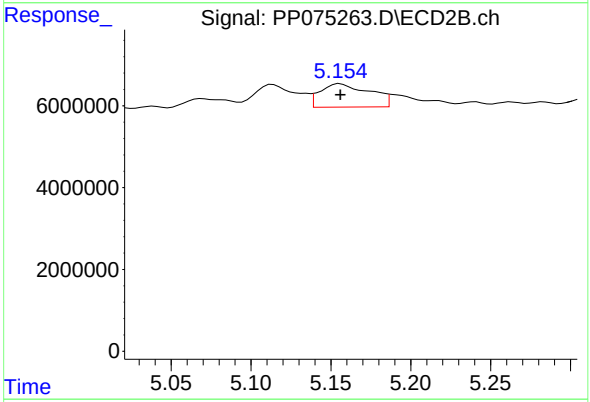
#23 AR-1248-3

R.T.: 6.282 min
Delta R.T.: 0.000 min
Response: 2462035
Conc: 51.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

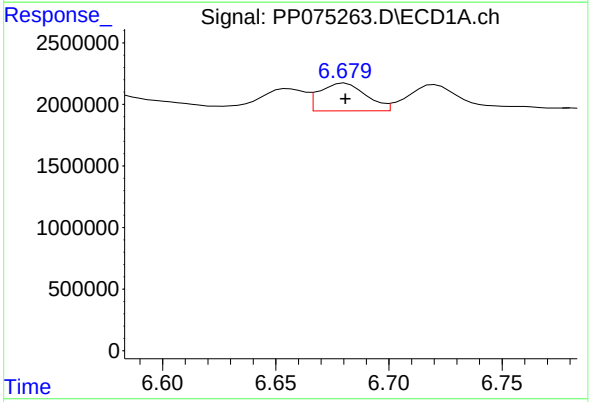
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



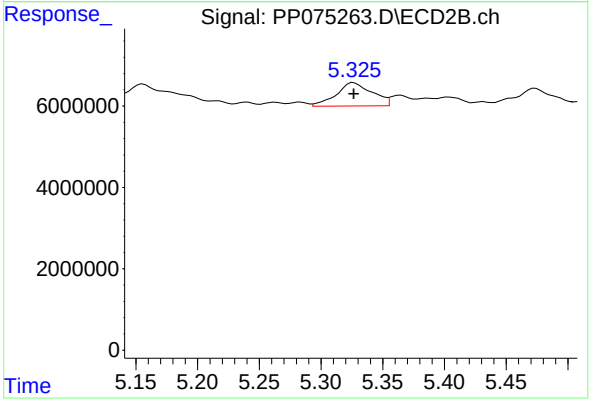
#23 AR-1248-3

R.T.: 5.154 min
Delta R.T.: -0.001 min
Response: 12158074
Conc: 45.74 ng/ml m



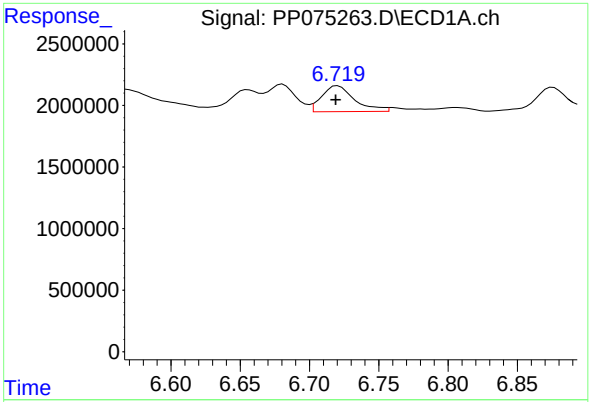
#24 AR-1248-4

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 3238253
Conc: 54.78 ng/ml



#24 AR-1248-4

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 11652585
Conc: 50.07 ng/ml



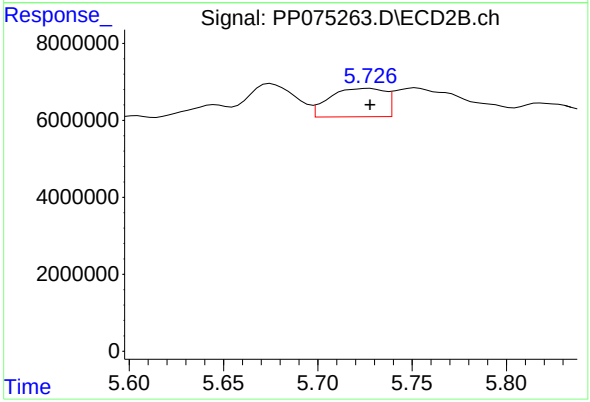
#25 AR-1248-5

R.T.: 6.719 min
Delta R.T.: 0.000 min
Response: 3479899
Conc: 59.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#25 AR-1248-5

R.T.: 5.728 min
Delta R.T.: 0.000 min
Response: 15059630
Conc: 36.86 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:15
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:27:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.799	124.3E6	624.1E6	96.412	98.637
2)	SA Decachlor...	10.440	8.805	94019612	623.8E6	94.956	97.883
	Target Compounds						
26)	L6 AR-1254-1	6.659	5.678	61475917	503.0E6	968.019m	971.997
27)	L6 AR-1254-2	6.876	5.825	77552440	378.2E6	944.080	972.887
28)	L6 AR-1254-3	7.238	6.227	82845377	715.2E6	946.428	997.656
29)	L6 AR-1254-4	7.520	6.453	64880438	505.6E6	943.395	962.588
30)	L6 AR-1254-5	7.936	6.870	77310574	551.8E6	947.519	921.721

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:15
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

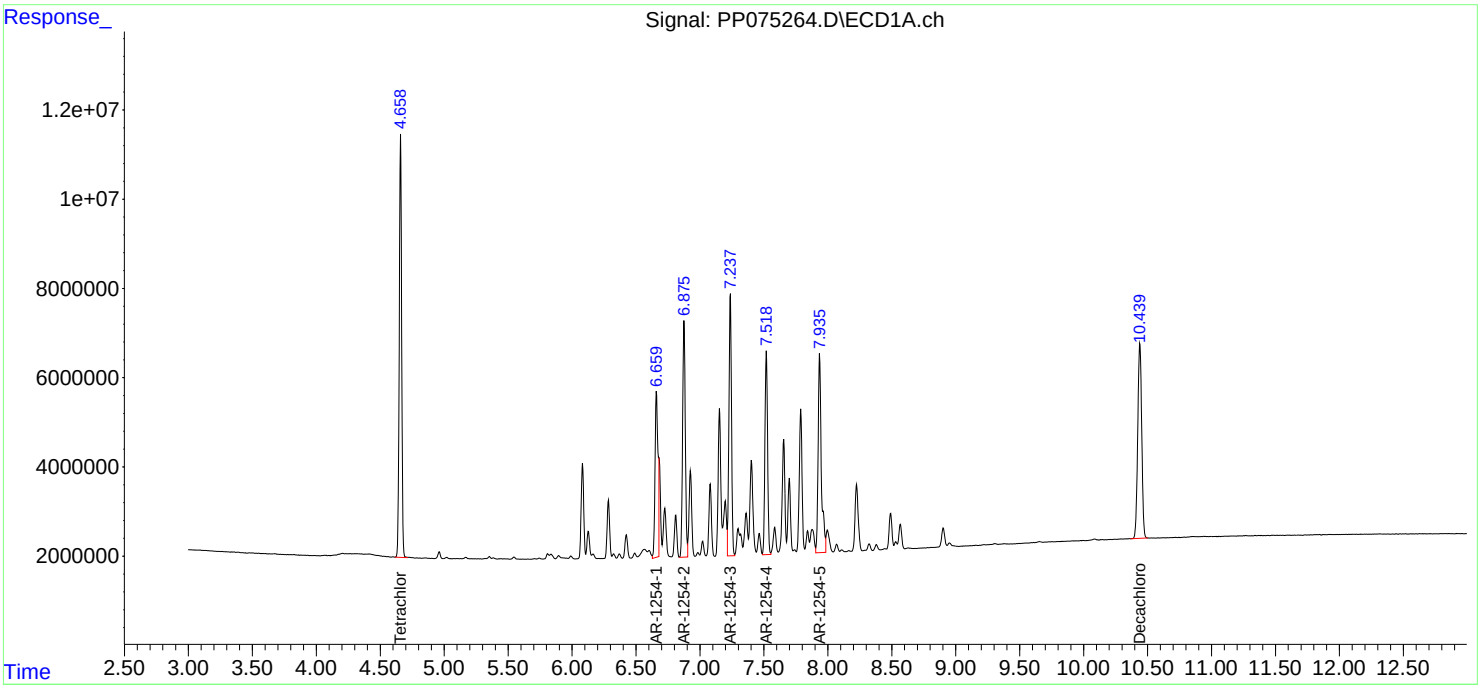
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

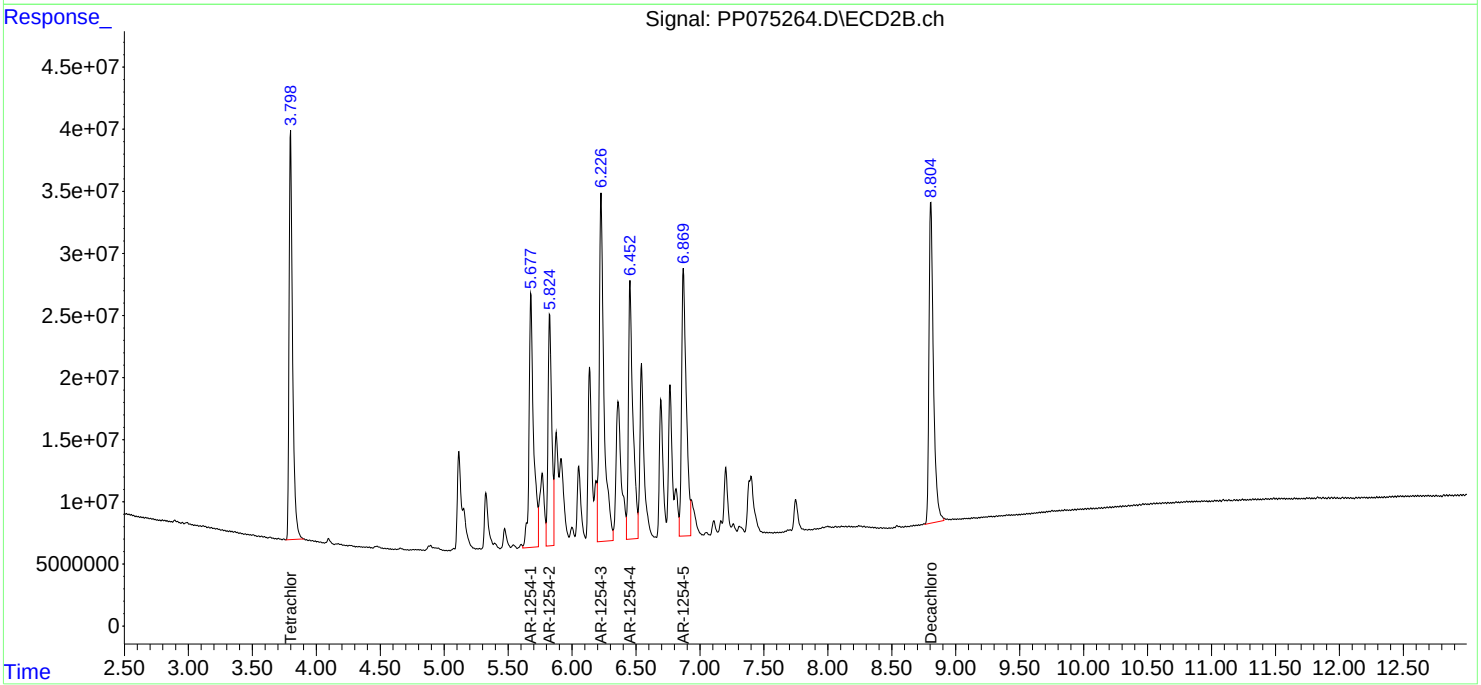
Manual Integrations APPROVED

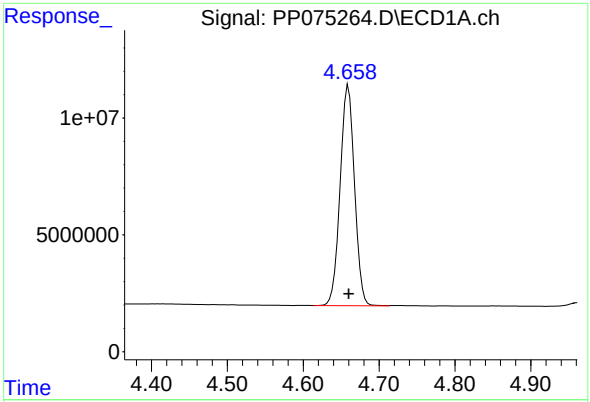
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:27:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







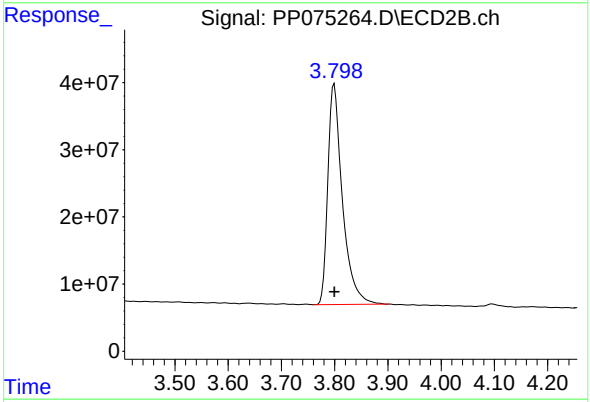
#1 Tetrachloro-m-xylene

R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 124326548
Conc: 96.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

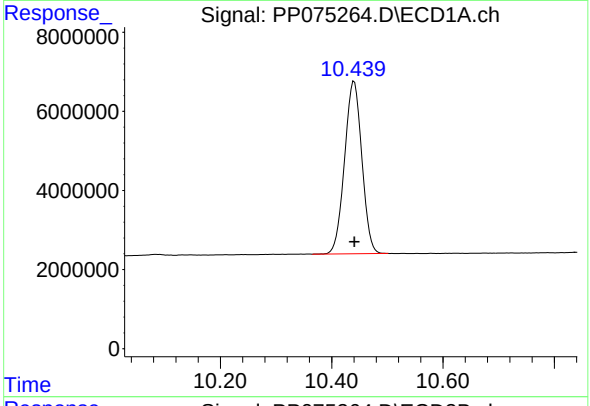
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



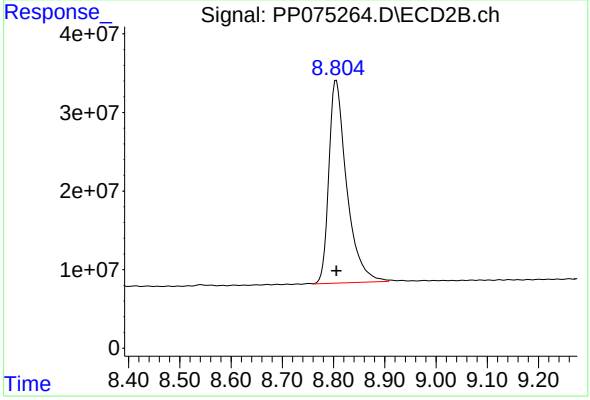
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 624084086
Conc: 98.64 ng/ml



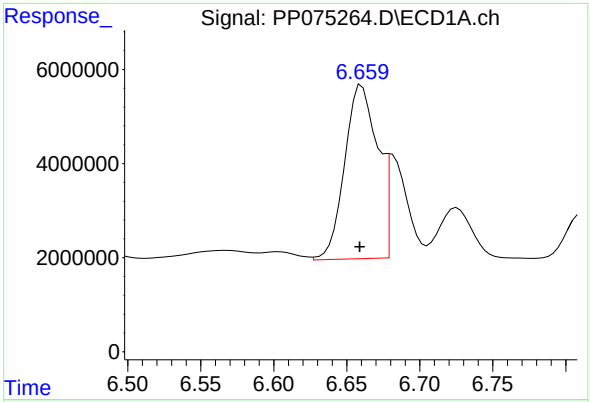
#2 Decachlorobiphenyl

R.T.: 10.440 min
Delta R.T.: 0.000 min
Response: 94019612
Conc: 94.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.805 min
Delta R.T.: 0.000 min
Response: 623770605
Conc: 97.88 ng/ml



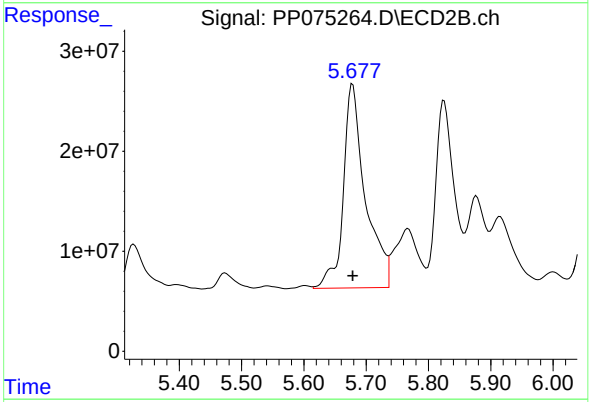
#26 AR-1254-1

R.T.: 6.659 min
Delta R.T.: 0.000 min
Response: 61475917
Conc: 968.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

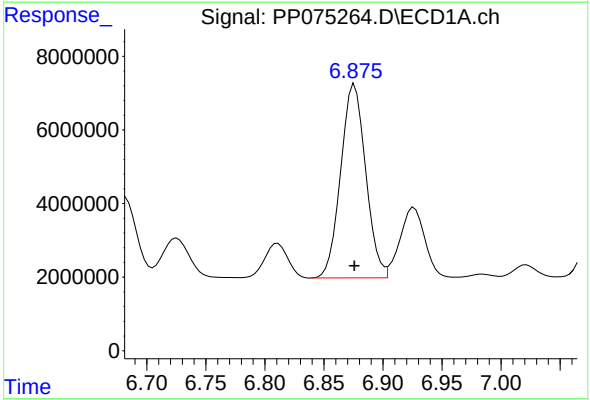
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



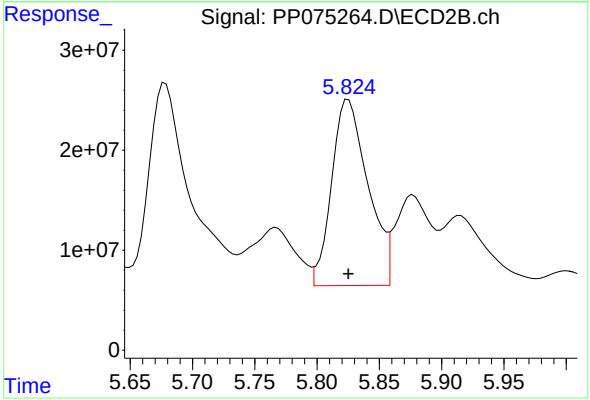
#26 AR-1254-1

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 503004292
Conc: 972.00 ng/ml



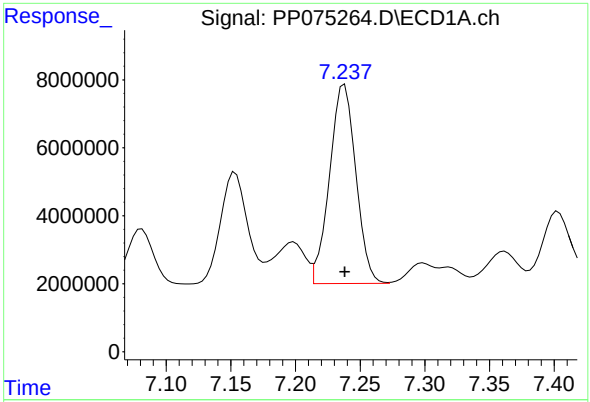
#27 AR-1254-2

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 77552440
Conc: 944.08 ng/ml



#27 AR-1254-2

R.T.: 5.825 min
Delta R.T.: 0.000 min
Response: 378219544
Conc: 972.89 ng/ml



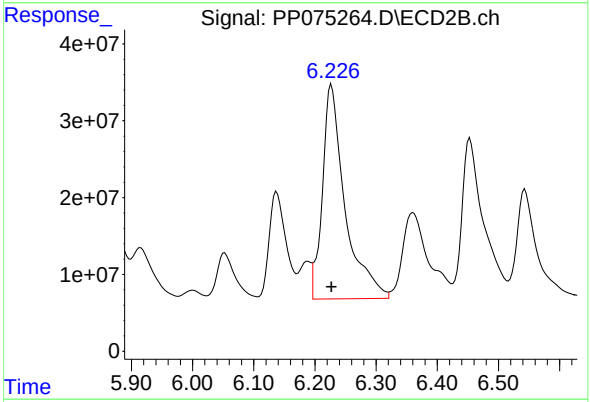
#28 AR-1254-3

R.T.: 7.238 min
Delta R.T.: 0.000 min
Response: 82845377
Conc: 946.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

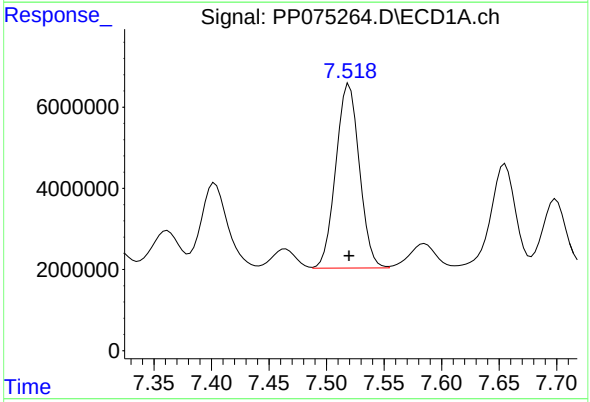
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



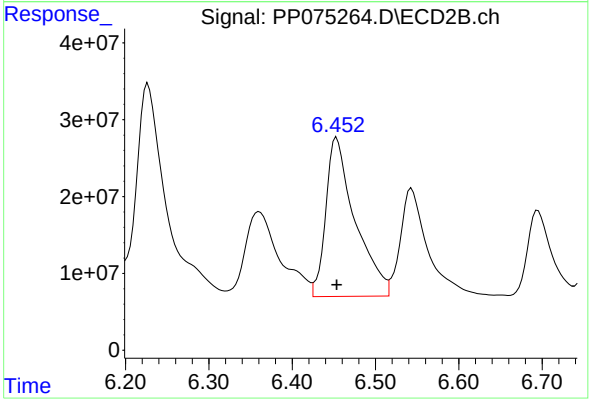
#28 AR-1254-3

R.T.: 6.227 min
Delta R.T.: 0.000 min
Response: 715208754
Conc: 997.66 ng/ml



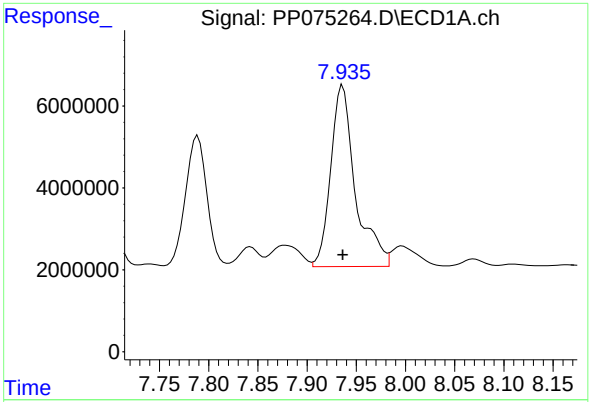
#29 AR-1254-4

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 64880438
Conc: 943.40 ng/ml



#29 AR-1254-4

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 505627774
Conc: 962.59 ng/ml



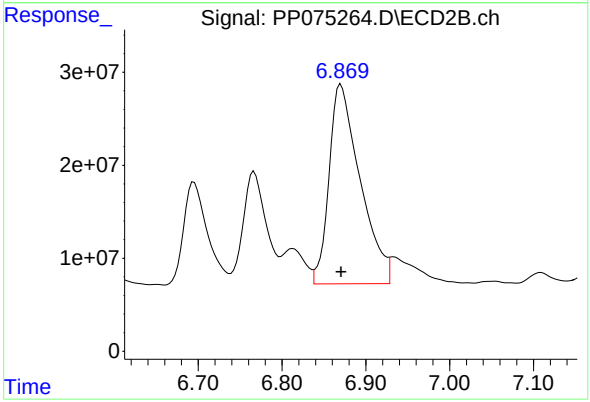
#30 AR-1254-5

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 77310574
Conc: 947.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#30 AR-1254-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 551845651
Conc: 921.72 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:31
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:30:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.656	3.799	97801585	485.2E6	75.559	76.113
2)	SA Decachlor...	10.437	8.806	74646283	470.9E6	75.259	74.263
	Target Compounds						
26)	L6 AR-1254-1	6.656	5.678	47050728	401.3E6	729.090m	766.735
27)	L6 AR-1254-2	6.873	5.825	61746016	302.7E6	751.107	768.826
28)	L6 AR-1254-3	7.235	6.227	65961946	542.1E6	752.364	754.081
29)	L6 AR-1254-4	7.517	6.454	51519817	403.9E6	749.416	762.571
30)	L6 AR-1254-5	7.933	6.871	61456126	473.6E6	752.135	776.903

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:31
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

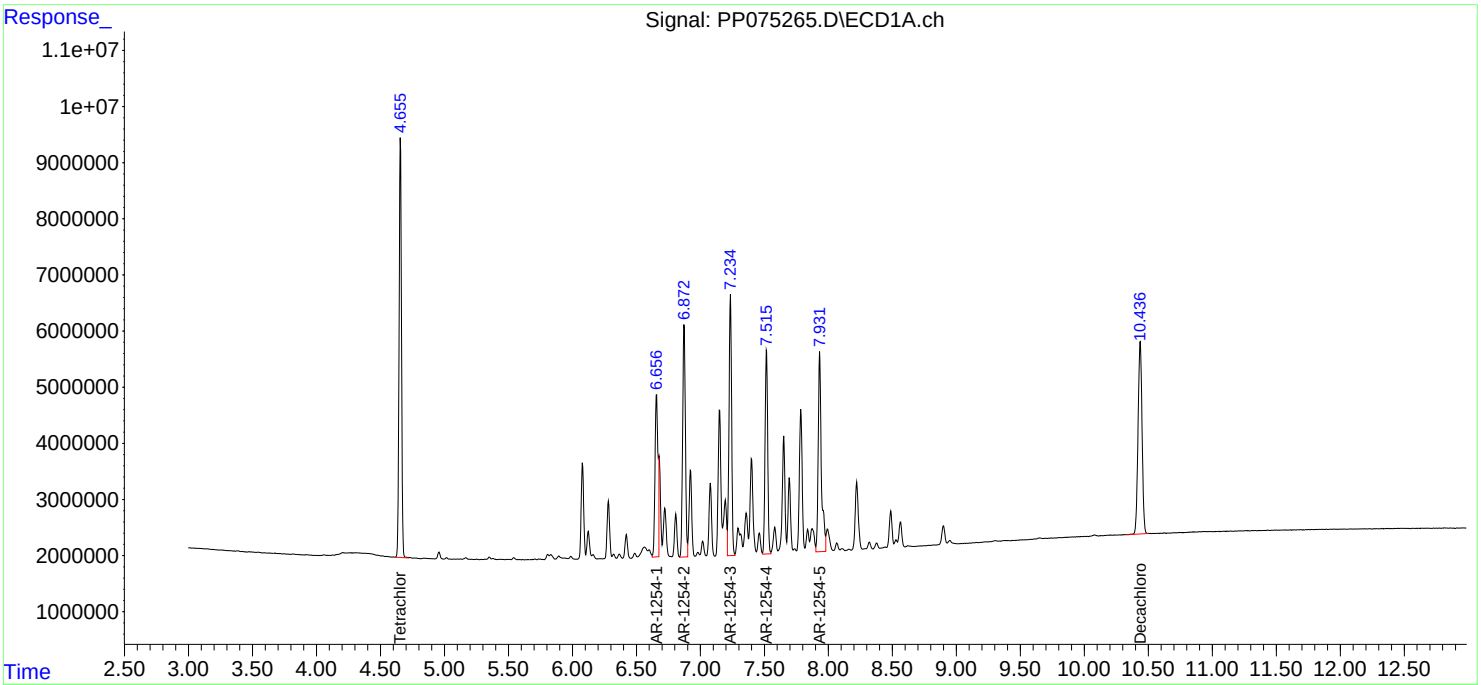
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

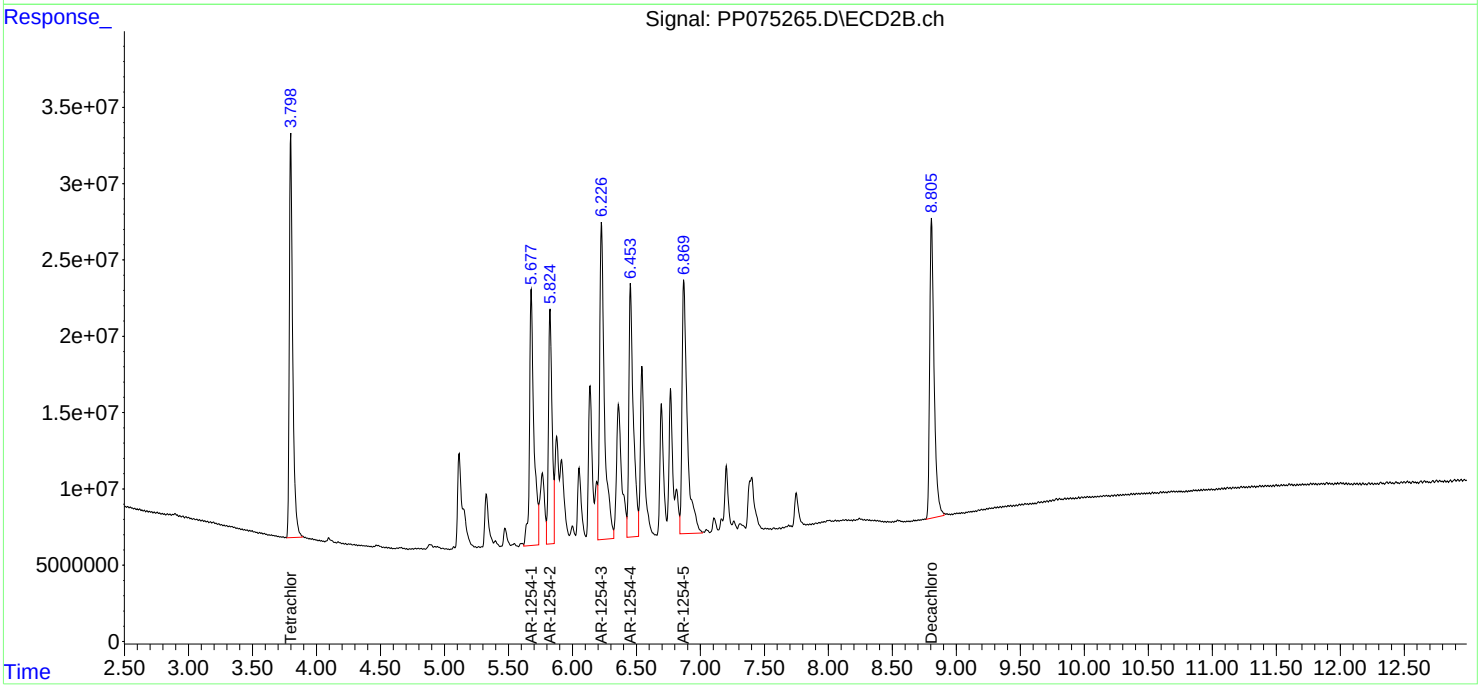
Manual Integrations APPROVED

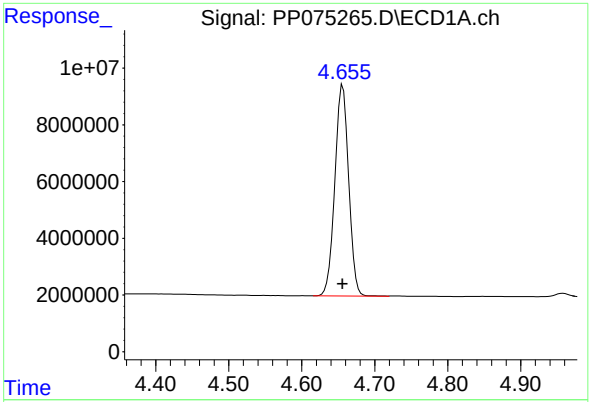
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:30:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







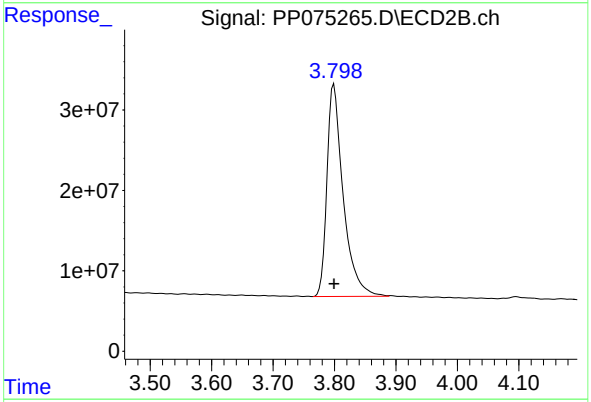
#1 Tetrachloro-m-xylene

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 97801585
Conc: 75.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

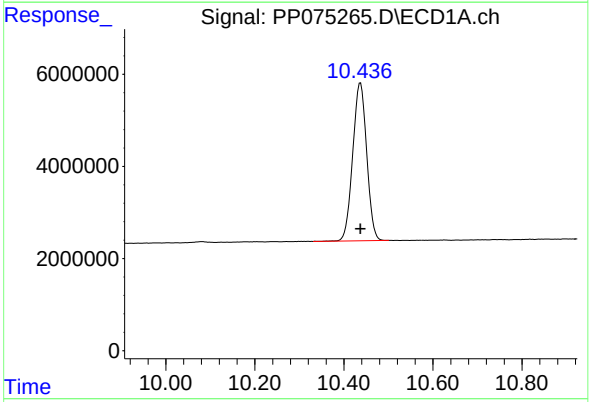
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



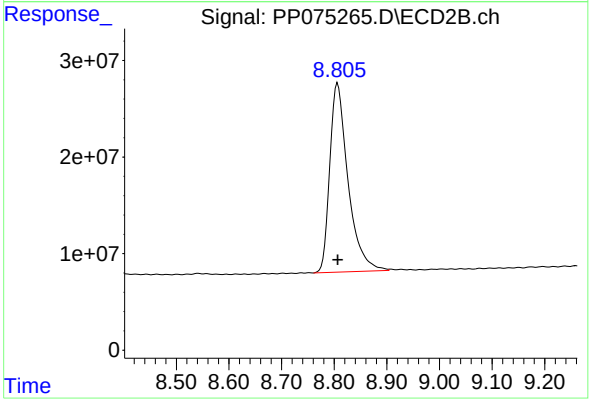
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 485175176
Conc: 76.11 ng/ml



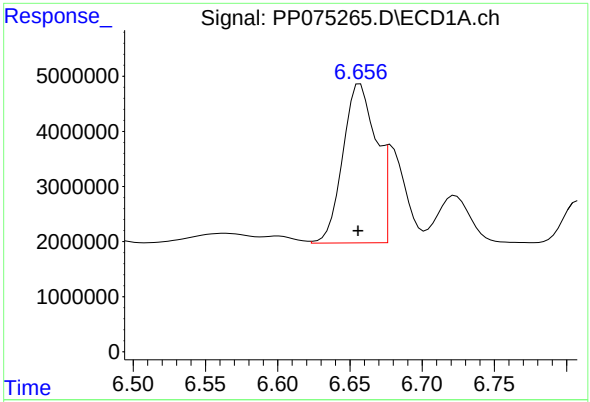
#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.000 min
Response: 74646283
Conc: 75.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: 0.000 min
Response: 470934373
Conc: 74.26 ng/ml



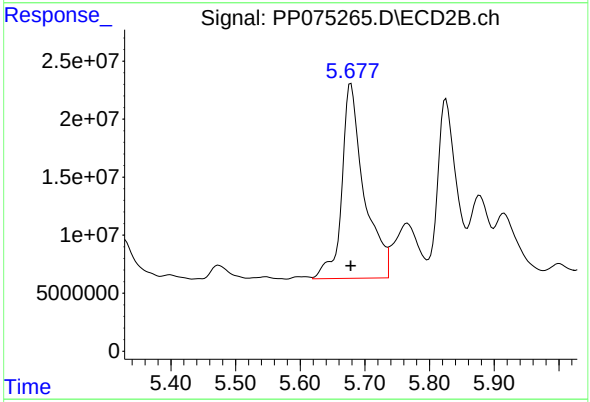
#26 AR-1254-1

R.T.: 6.656 min
Delta R.T.: 0.000 min
Response: 47050728
Conc: 729.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

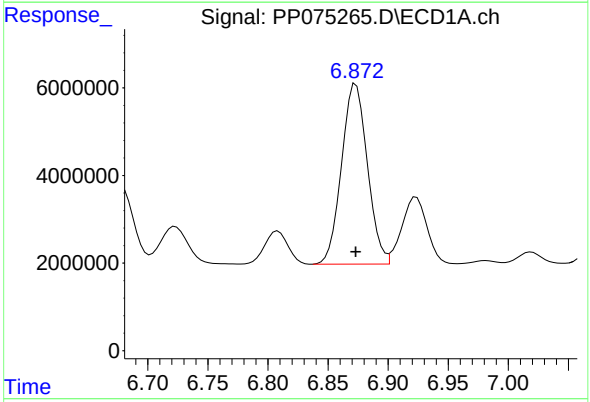
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



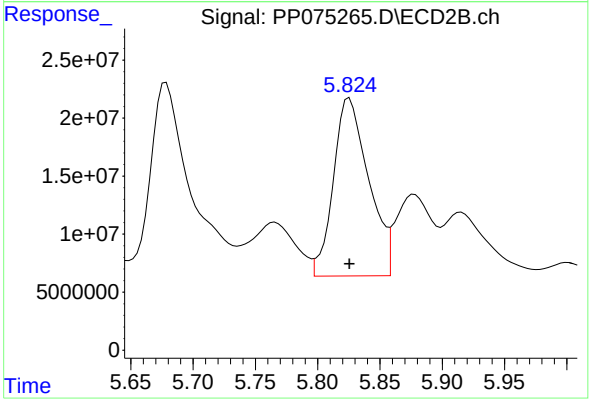
#26 AR-1254-1

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 401258825
Conc: 766.74 ng/ml



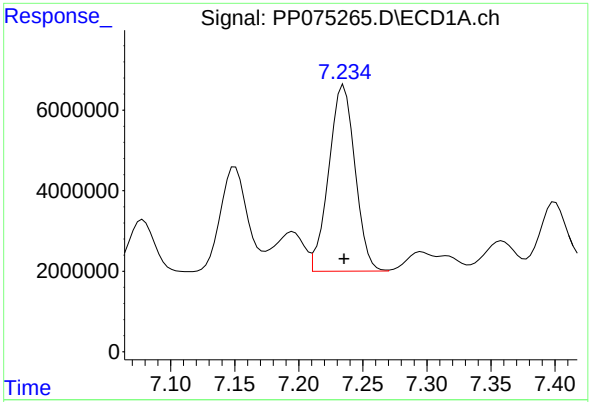
#27 AR-1254-2

R.T.: 6.873 min
Delta R.T.: 0.000 min
Response: 61746016
Conc: 751.11 ng/ml



#27 AR-1254-2

R.T.: 5.825 min
Delta R.T.: 0.000 min
Response: 302687531
Conc: 768.83 ng/ml



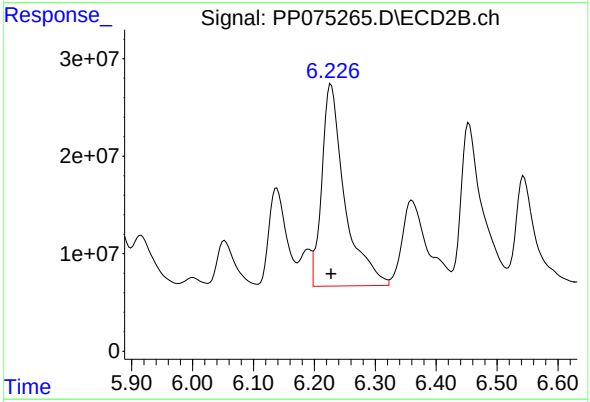
#28 AR-1254-3

R.T.: 7.235 min
Delta R.T.: 0.000 min
Response: 65961946
Conc: 752.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

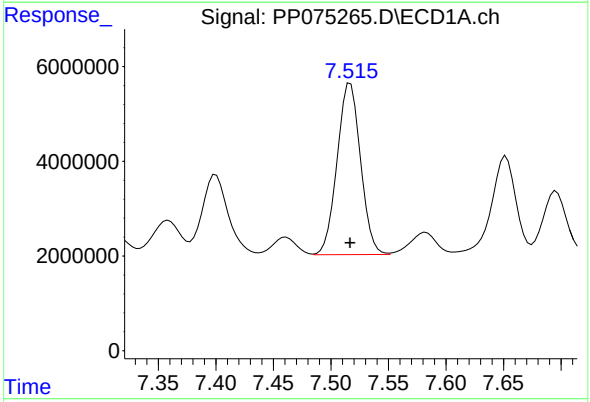
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



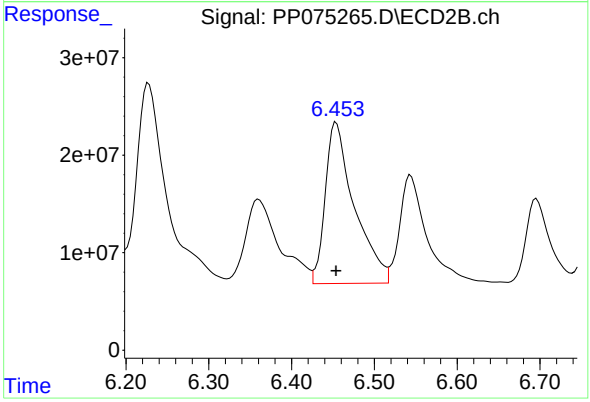
#28 AR-1254-3

R.T.: 6.227 min
Delta R.T.: 0.000 min
Response: 542066993
Conc: 754.08 ng/ml



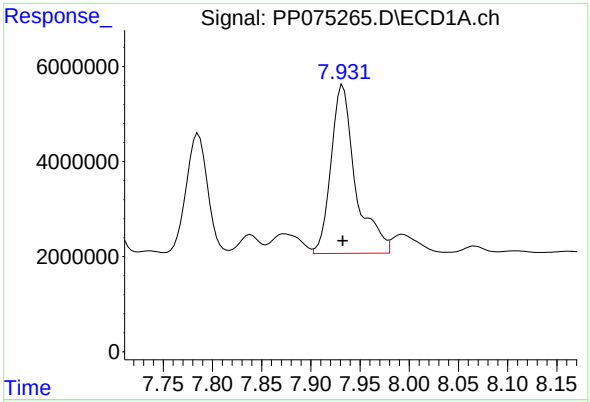
#29 AR-1254-4

R.T.: 7.517 min
Delta R.T.: 0.000 min
Response: 51519817
Conc: 749.42 ng/ml



#29 AR-1254-4

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 403948394
Conc: 762.57 ng/ml



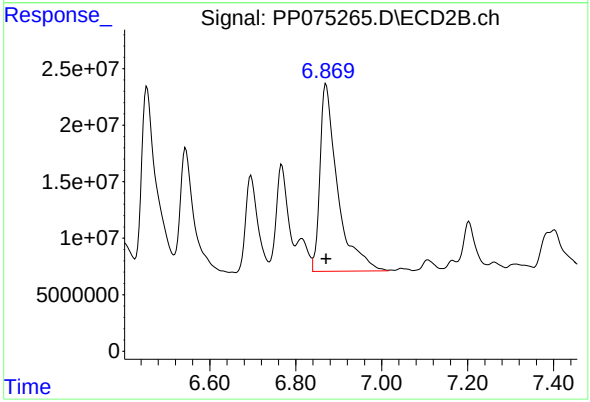
#30 AR-1254-5

R.T.: 7.933 min
Delta R.T.: 0.000 min
Response: 61456126
Conc: 752.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#30 AR-1254-5

R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 473636635
Conc: 776.90 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:47
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:14:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:13:57 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...	4.660	3.799	66790785	320.7E6	50.000	50.000
2)	SA Decachlor...	10.441	8.806	52004273	325.4E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.659	5.679	32993341	266.0E6	519.163m	500.000
27)	L6 AR-1254-2	6.876	5.826	43369825	199.7E6	500.000	500.000
28)	L6 AR-1254-3	7.238	6.228	46112134	359.3E6	500.000	500.000
29)	L6 AR-1254-4	7.520	6.455	36333103	272.5E6	500.000	500.000
30)	L6 AR-1254-5	7.936	6.871	42937319	322.8E6	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:47
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

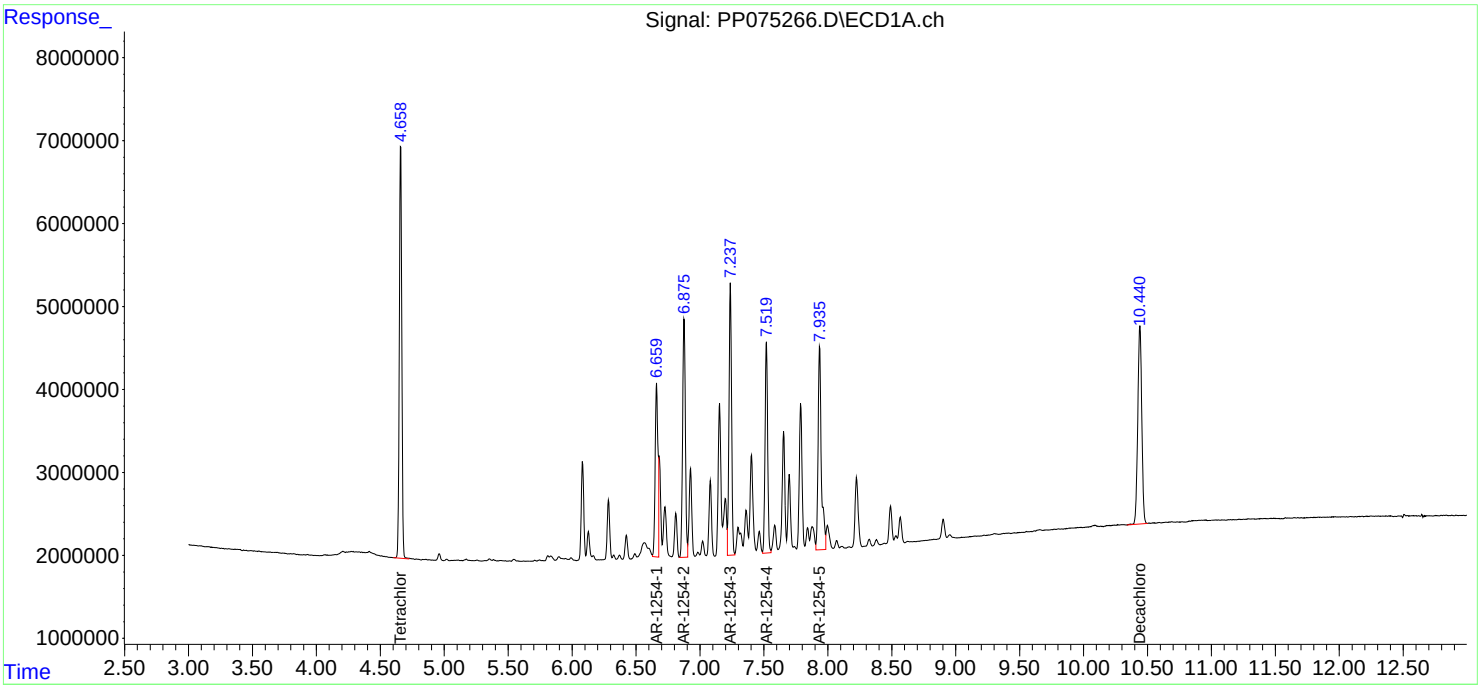
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

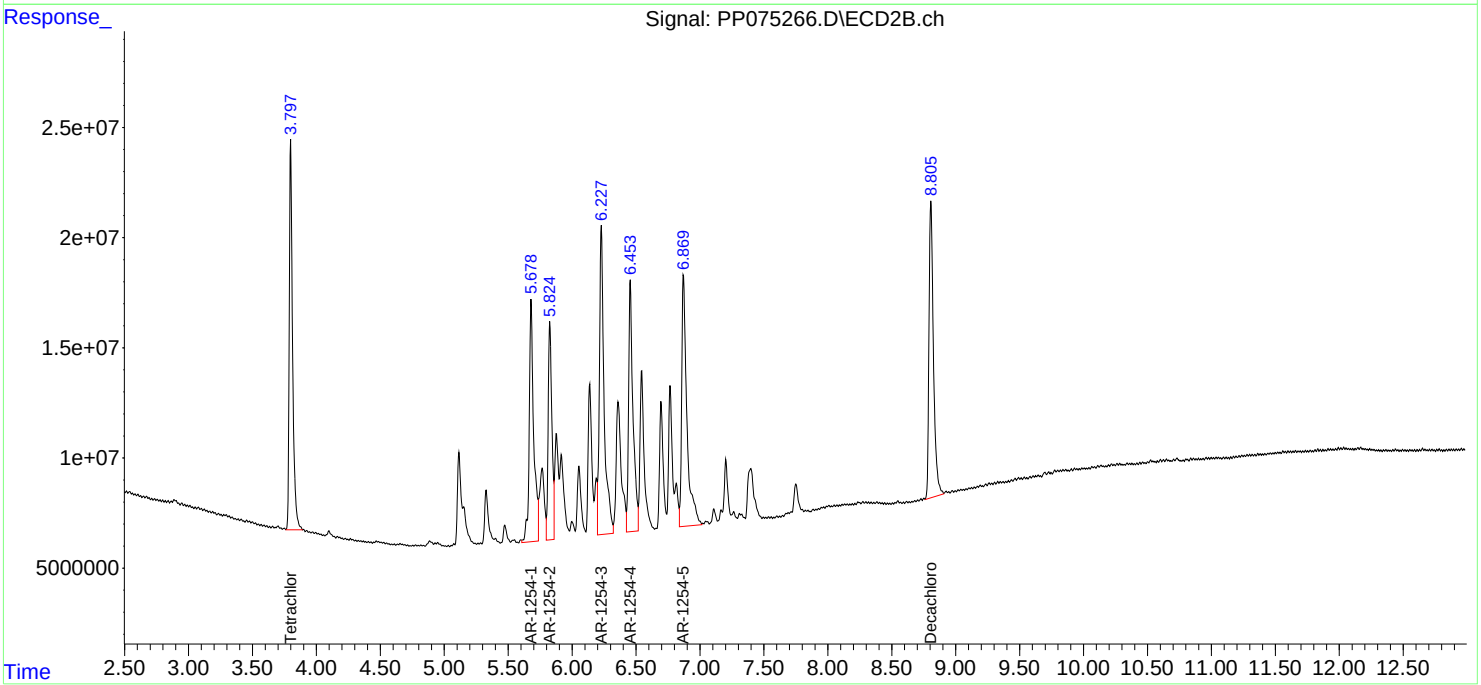
Manual Integrations APPROVED

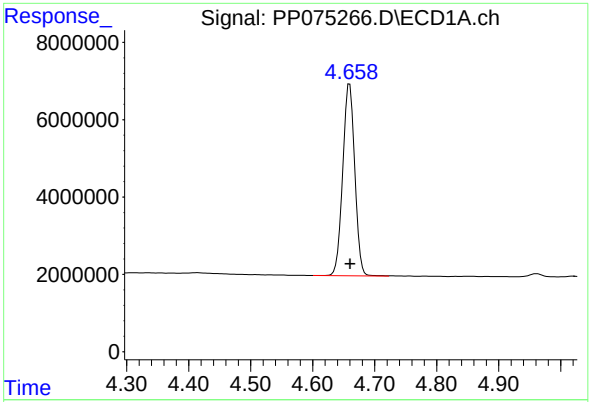
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:14:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:13:57 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







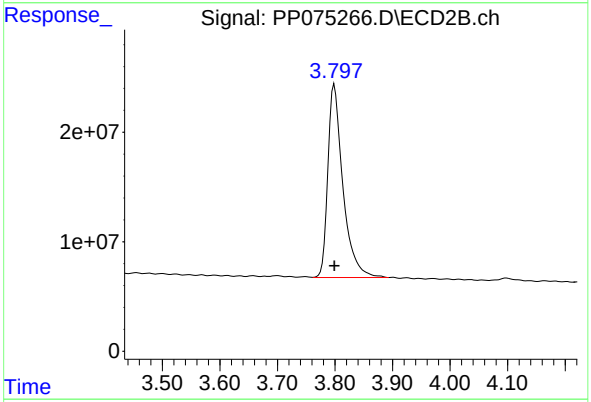
#1 Tetrachloro-m-xylene

R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 66790785
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

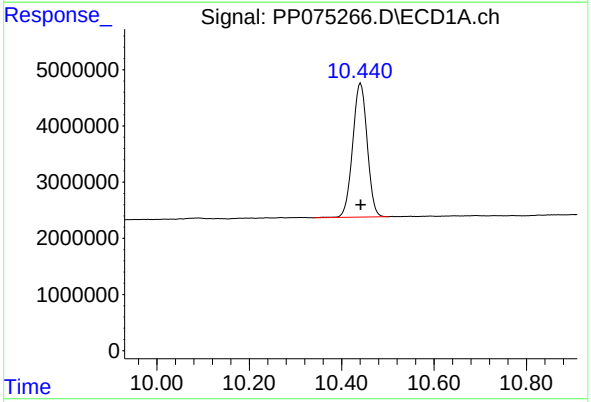
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



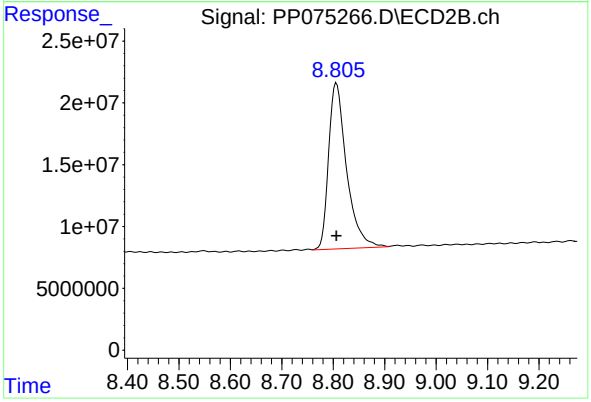
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 320666699
Conc: 50.00 ng/ml



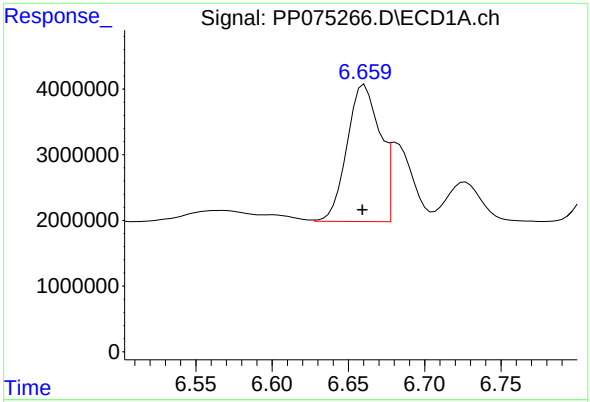
#2 Decachlorobiphenyl

R.T.: 10.441 min
Delta R.T.: 0.000 min
Response: 52004273
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: 0.000 min
Response: 325373732
Conc: 50.00 ng/ml



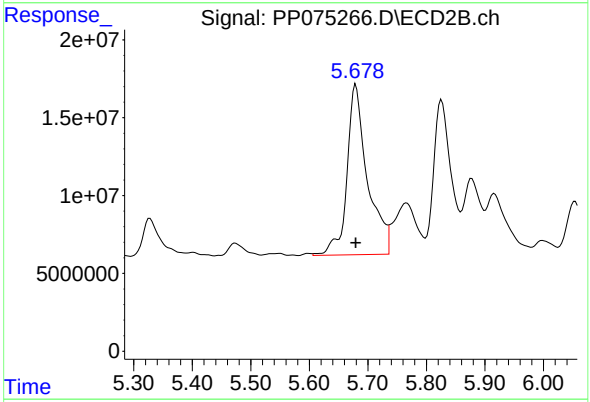
#26 AR-1254-1

R.T.: 6.659 min
Delta R.T.: 0.000 min
Response: 32993341
Conc: 519.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

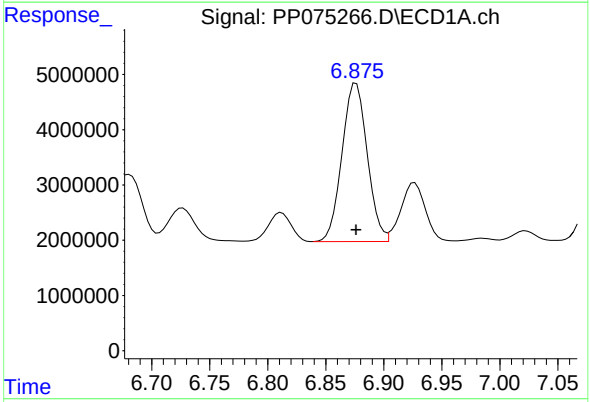
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



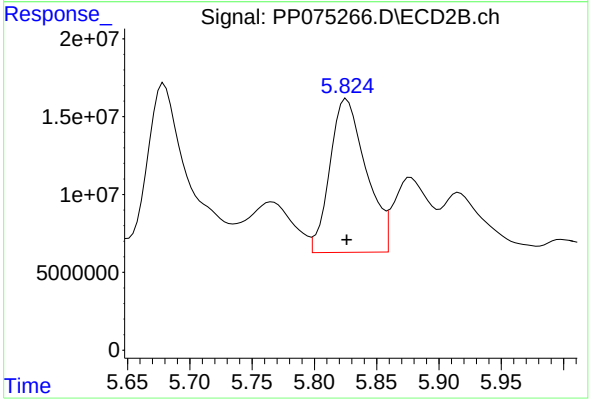
#26 AR-1254-1

R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 265993528
Conc: 500.00 ng/ml



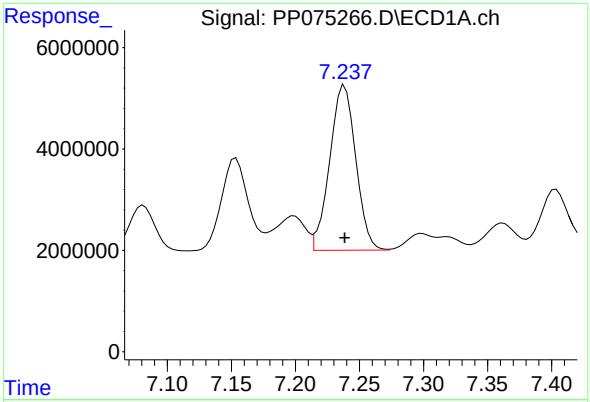
#27 AR-1254-2

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 43369825
Conc: 500.00 ng/ml



#27 AR-1254-2

R.T.: 5.826 min
Delta R.T.: 0.000 min
Response: 199650338
Conc: 500.00 ng/ml



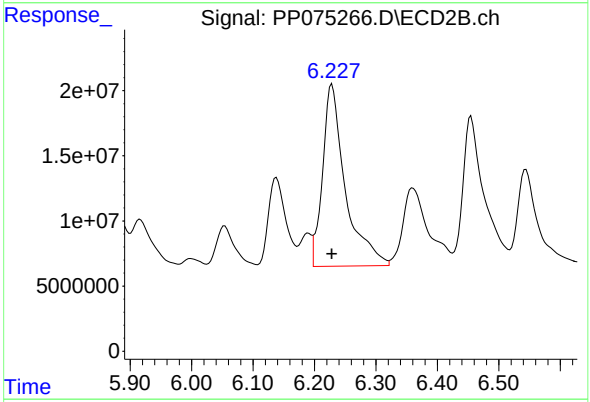
#28 AR-1254-3

R.T.: 7.238 min
Delta R.T.: 0.000 min
Response: 46112134
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

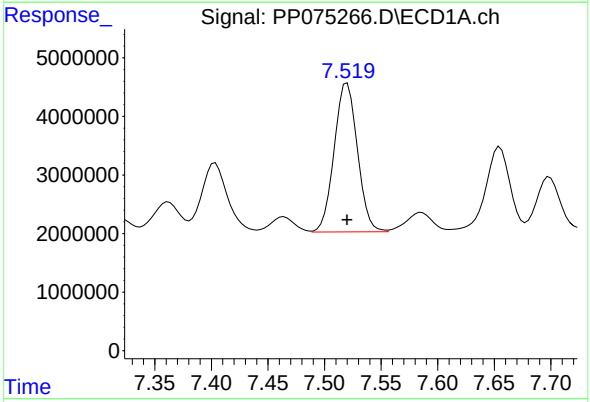
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



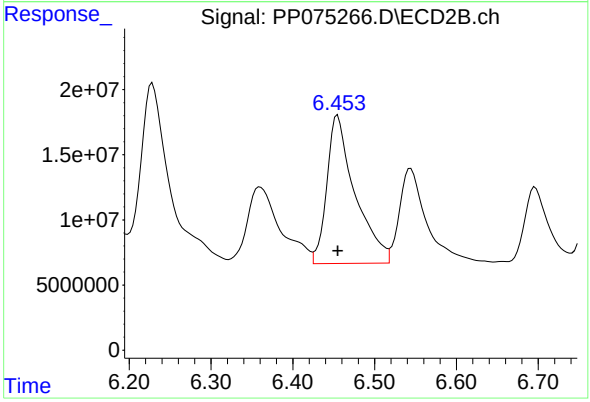
#28 AR-1254-3

R.T.: 6.228 min
Delta R.T.: 0.000 min
Response: 359284618
Conc: 500.00 ng/ml



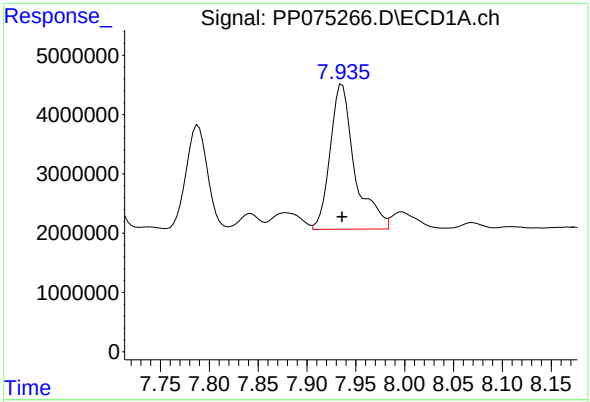
#29 AR-1254-4

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 36333103
Conc: 500.00 ng/ml



#29 AR-1254-4

R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 272465654
Conc: 500.00 ng/ml



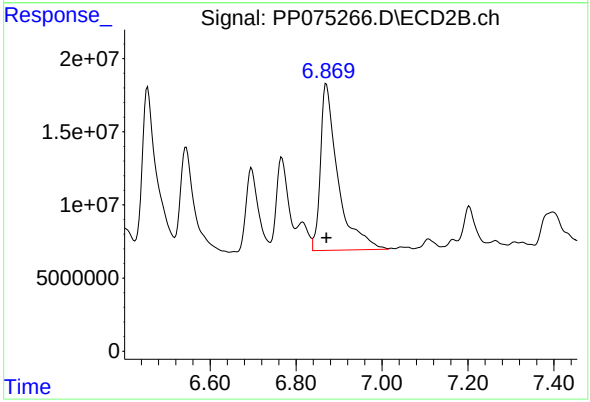
#30 AR-1254-5

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 42937319
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#30 AR-1254-5

R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 322789634
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:04
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:34:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.798	33173271	137.6E6	25.469	22.344
2)	SA Decachlor...	10.440	8.806	25068322	153.9E6	25.205	24.451
	Target Compounds						
26)	L6 AR-1254-1	6.658	5.678	15749633	130.5E6	242.688m	249.504
27)	L6 AR-1254-2	6.875	5.825	22036705	98058544	263.308	249.301
28)	L6 AR-1254-3	7.238	6.227	23518741	165.6E6	263.446	234.968
29)	L6 AR-1254-4	7.519	6.453	18117404	123.1E6	260.019	236.508
30)	L6 AR-1254-5	7.935	6.870	21487152	144.6E6	259.604	240.237

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:04
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

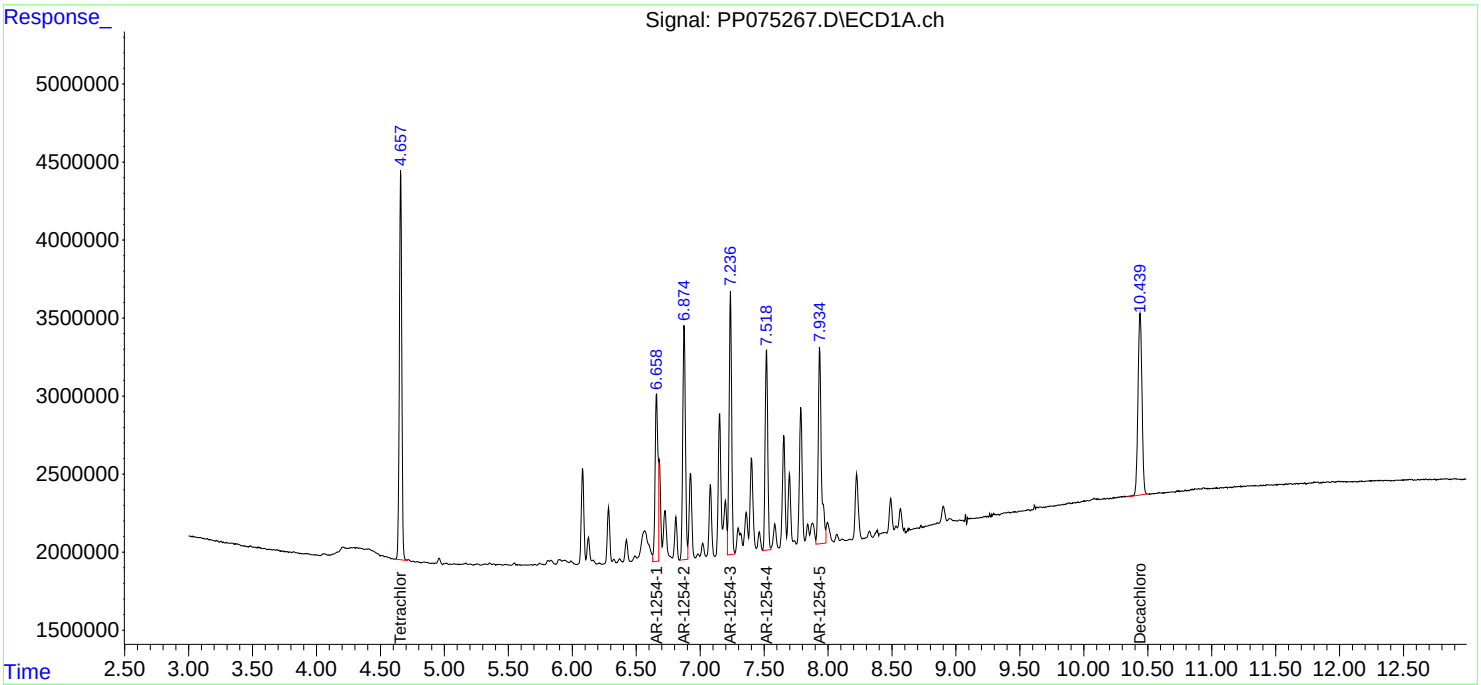
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

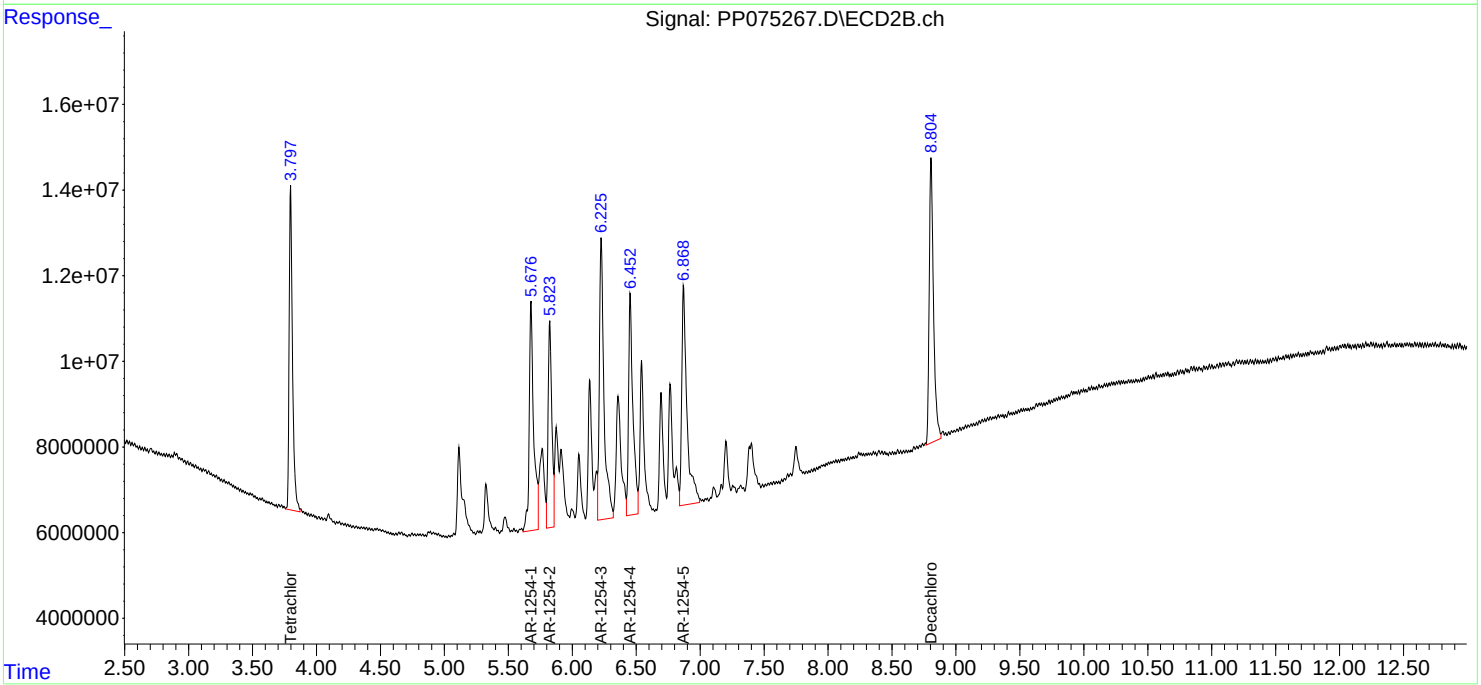
Manual Integrations APPROVED

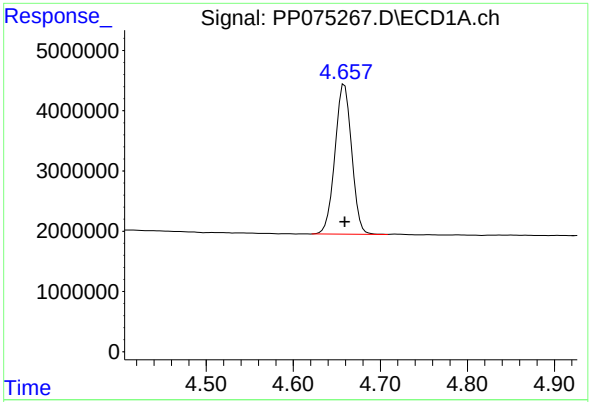
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:34:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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







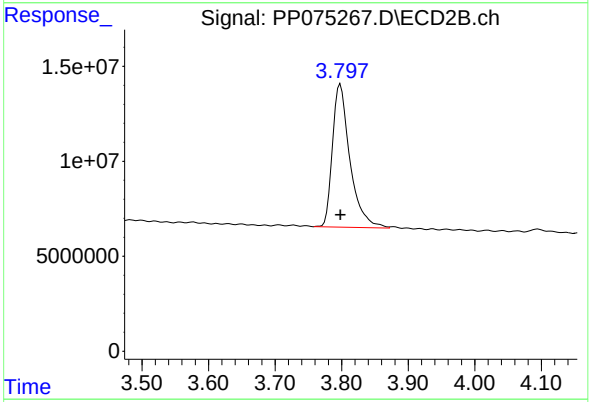
#1 Tetrachloro-m-xylene

R.T.: 4.659 min
Delta R.T.: 0.000 min
Response: 33173271
Conc: 25.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

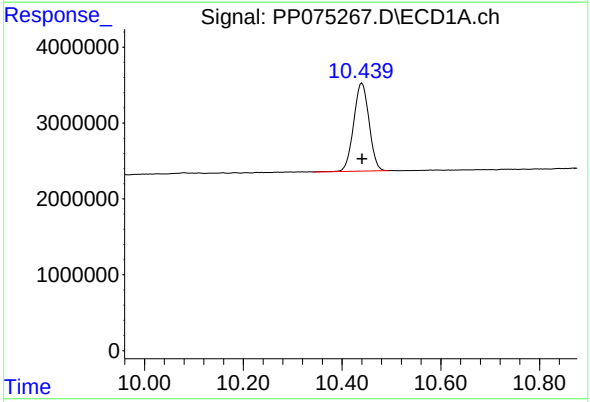
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



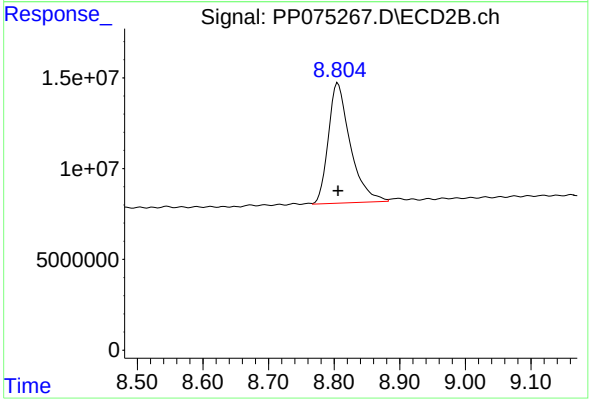
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 137556954
Conc: 22.34 ng/ml



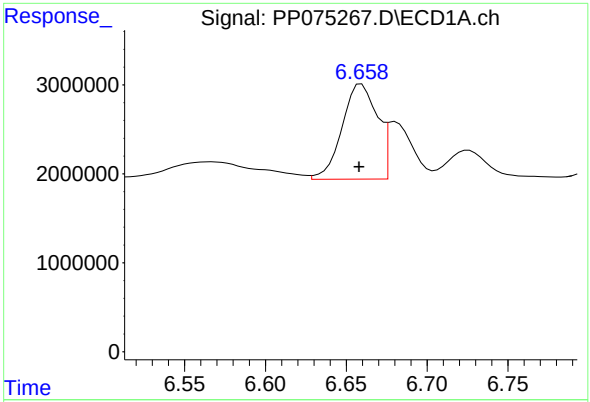
#2 Decachlorobiphenyl

R.T.: 10.440 min
Delta R.T.: 0.000 min
Response: 25068322
Conc: 25.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: 0.000 min
Response: 153931032
Conc: 24.45 ng/ml



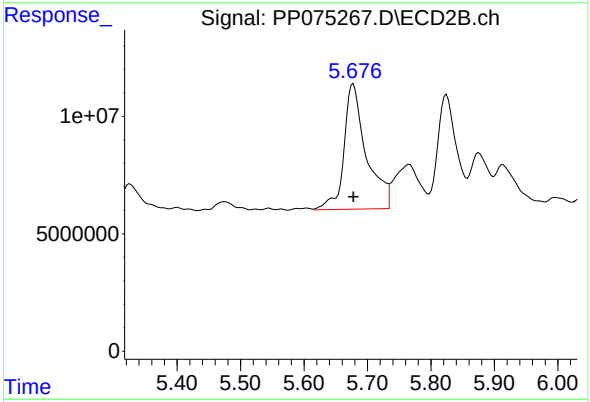
#26 AR-1254-1

R.T.: 6.658 min
Delta R.T.: 0.000 min
Response: 15749633
Conc: 242.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

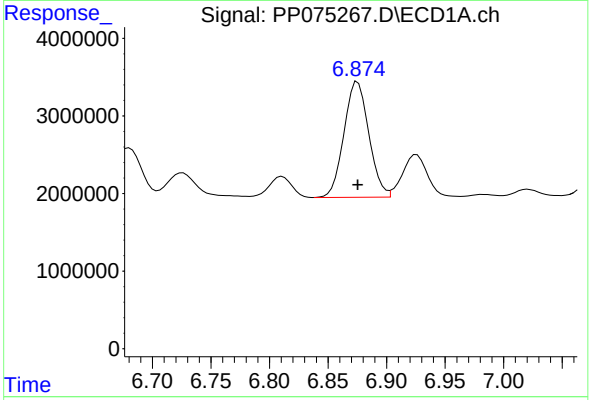
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



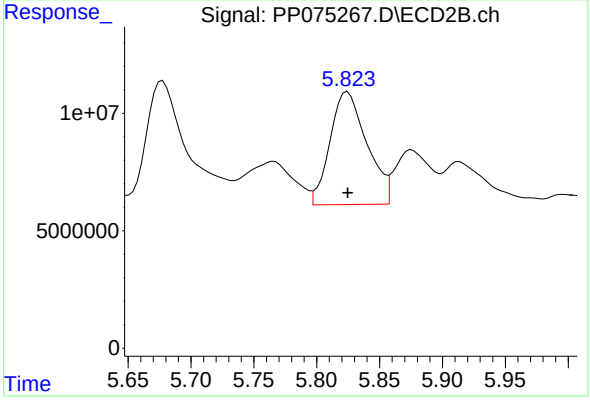
#26 AR-1254-1

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 130487950
Conc: 249.50 ng/ml



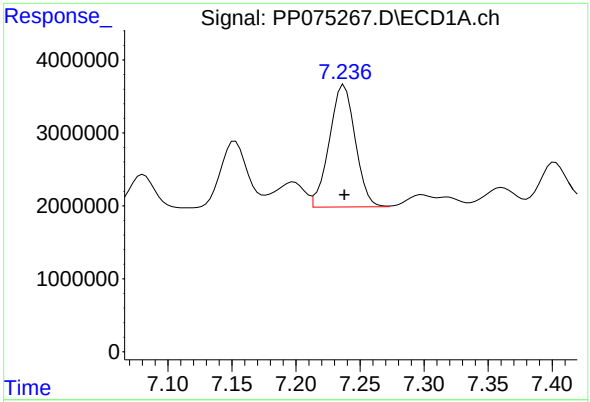
#27 AR-1254-2

R.T.: 6.875 min
Delta R.T.: 0.000 min
Response: 22036705
Conc: 263.31 ng/ml



#27 AR-1254-2

R.T.: 5.825 min
Delta R.T.: 0.000 min
Response: 98058544
Conc: 249.30 ng/ml



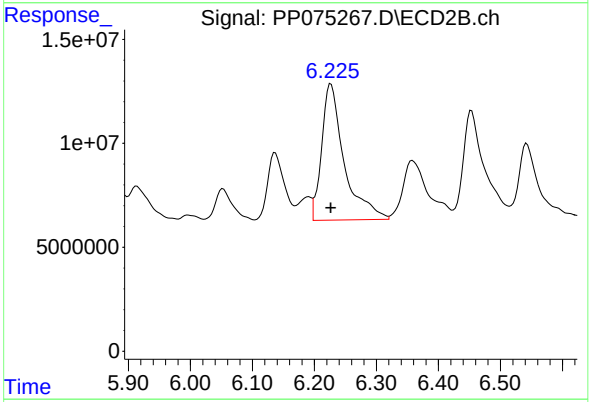
#28 AR-1254-3

R.T.: 7.238 min
Delta R.T.: 0.000 min
Response: 23518741
Conc: 263.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

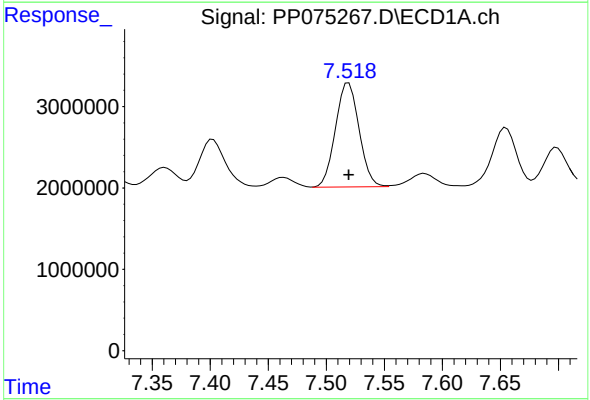
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



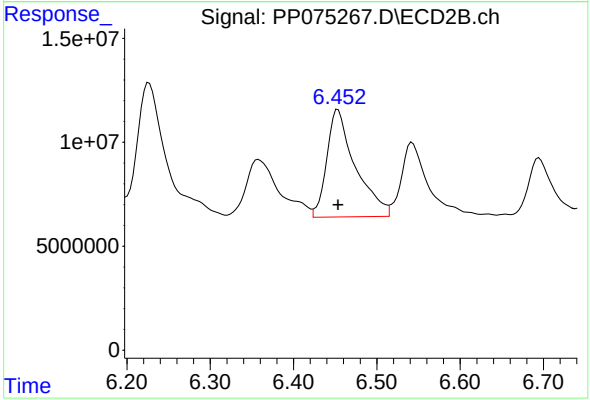
#28 AR-1254-3

R.T.: 6.227 min
Delta R.T.: 0.000 min
Response: 165586814
Conc: 234.97 ng/ml



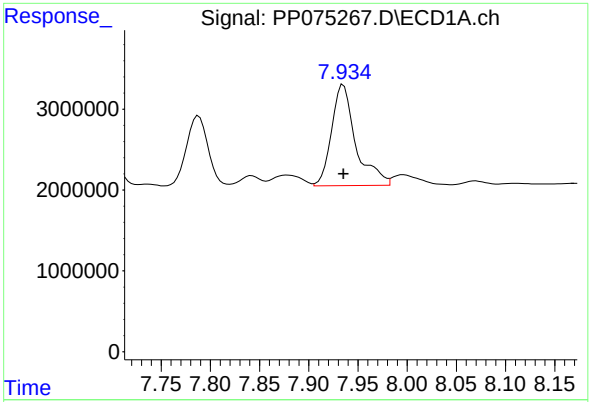
#29 AR-1254-4

R.T.: 7.519 min
Delta R.T.: 0.000 min
Response: 18117404
Conc: 260.02 ng/ml



#29 AR-1254-4

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 123068946
Conc: 236.51 ng/ml



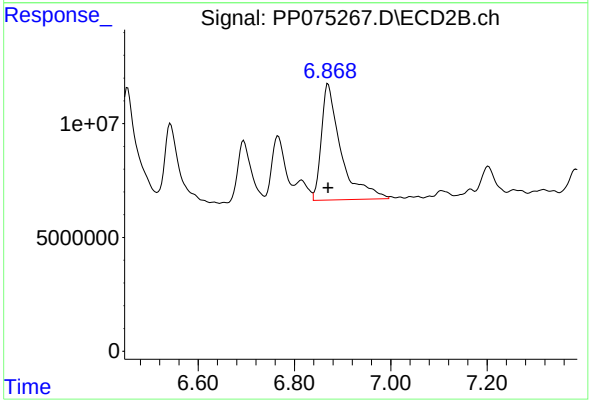
#30 AR-1254-5

R.T.: 7.935 min
Delta R.T.: 0.000 min
Response: 21487152
Conc: 259.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#30 AR-1254-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 144577806
Conc: 240.24 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:20
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:51:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:51:36 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...	4.655	3.799	6696765	22881590	5.113	3.918	
2)	SA Decachlor...	10.433	8.807	4781103	27052038	4.845	4.421	
	Target Compounds							
26)	L6 AR-1254-1	6.655	5.680	3396225	20102889	52.688m	40.302	
27)	L6 AR-1254-2	6.872	5.827	4745100	21129184	55.218	52.931	
28)	L6 AR-1254-3	7.234	6.228	5250883	25236892	56.814	37.966	#
29)	L6 AR-1254-4	7.516	6.453	3901845	19340151	54.687	39.178	#
30)	L6 AR-1254-5	7.932	6.871	3898066	22310596	47.649	39.094	

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:20
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

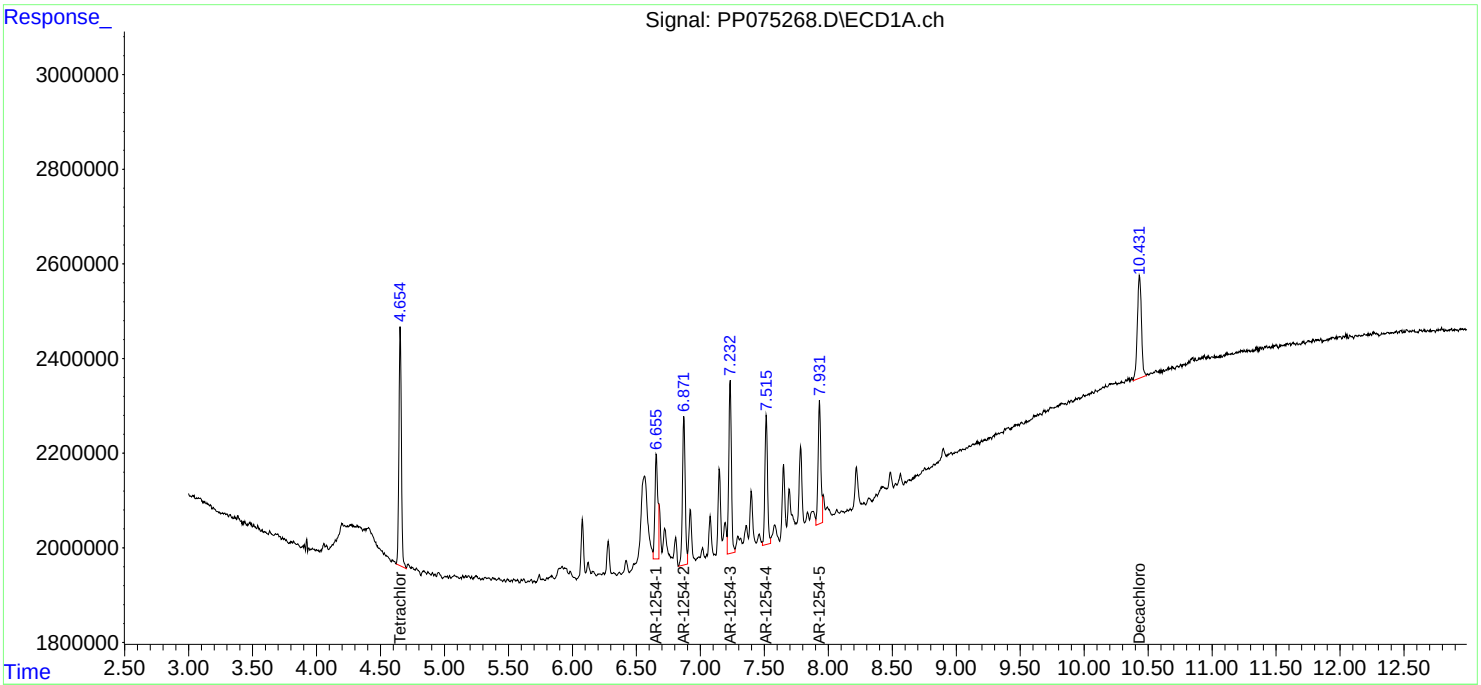
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

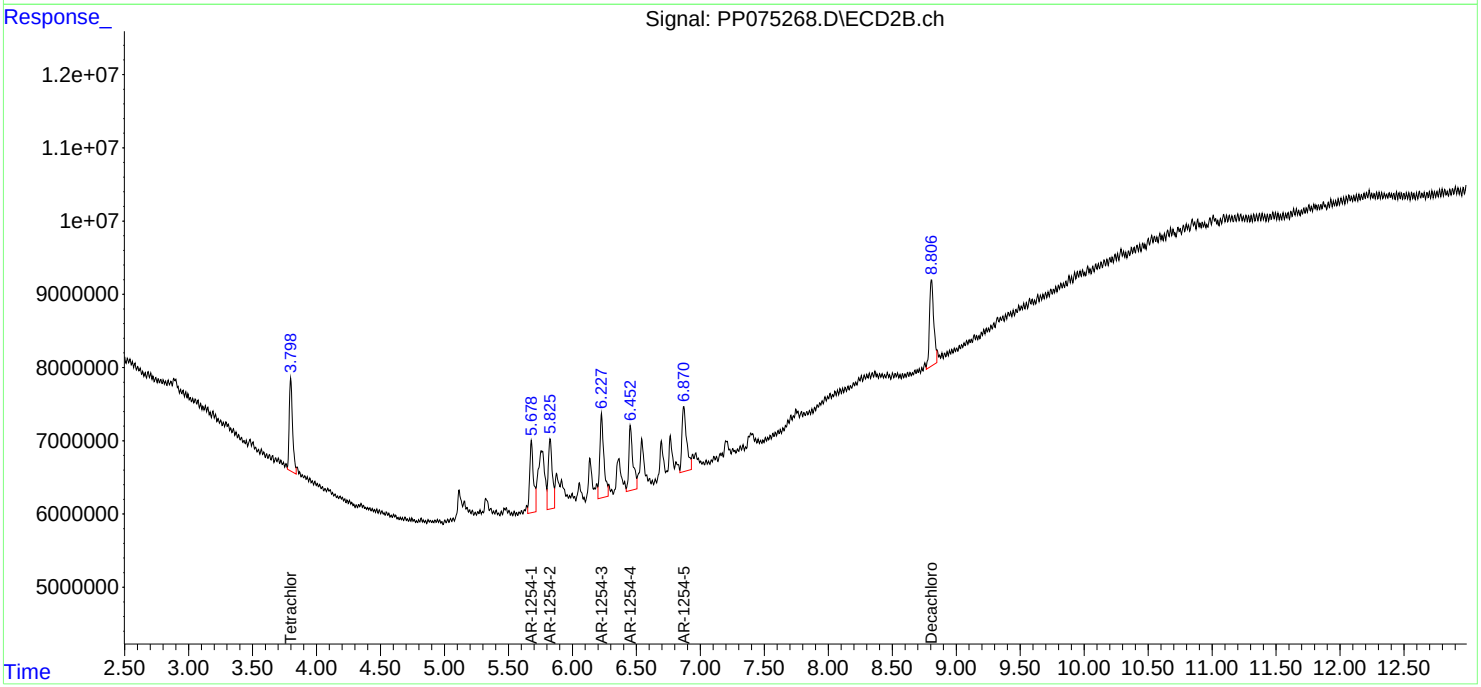
Manual Integrations APPROVED

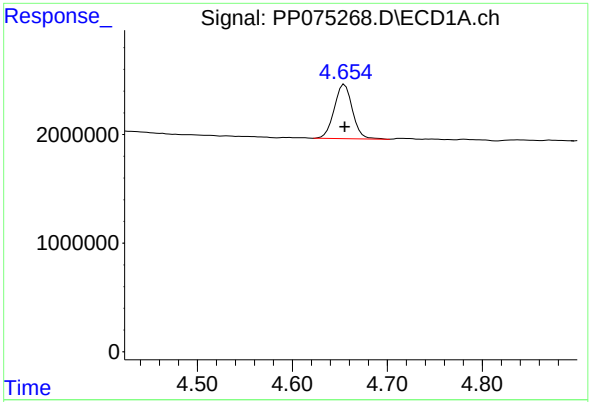
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:51:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:51:36 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







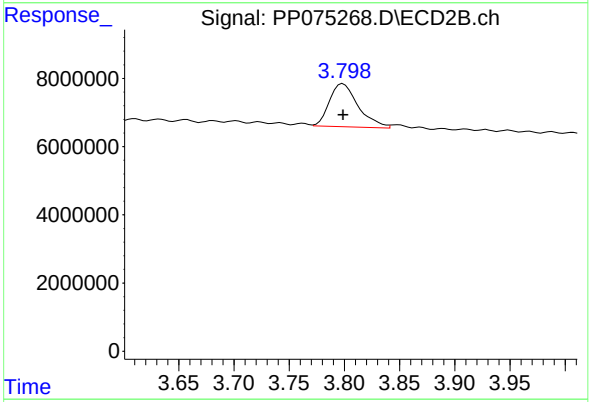
#1 Tetrachloro-m-xylene

R.T.: 4.655 min
Delta R.T.: 0.000 min
Response: 6696765
Conc: 5.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

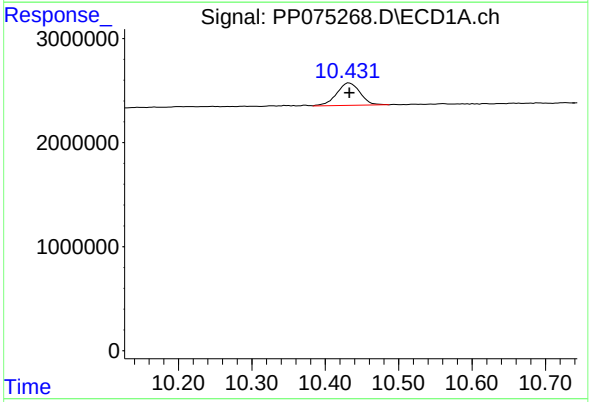
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



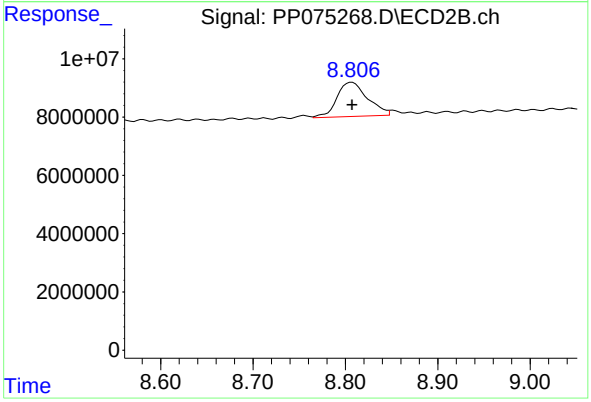
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 22881590
Conc: 3.92 ng/ml



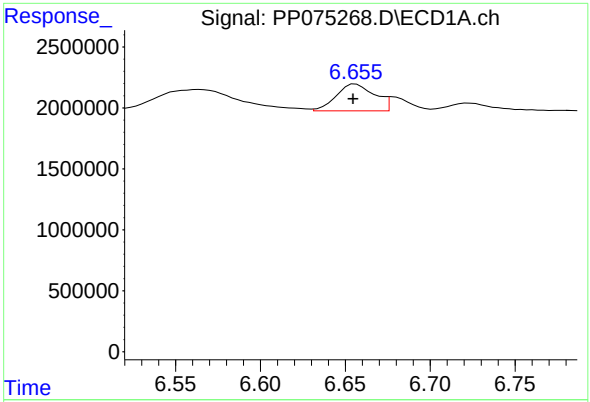
#2 Decachlorobiphenyl

R.T.: 10.433 min
Delta R.T.: 0.000 min
Response: 4781103
Conc: 4.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: 0.000 min
Response: 27052038
Conc: 4.42 ng/ml



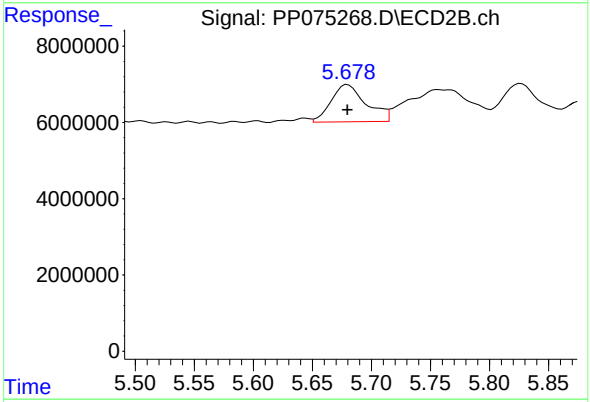
#26 AR-1254-1

R.T.: 6.655 min
Delta R.T.: 0.000 min
Response: 3396225
Conc: 52.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

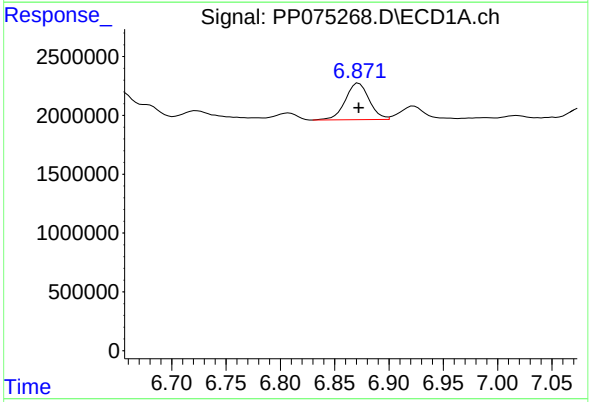
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



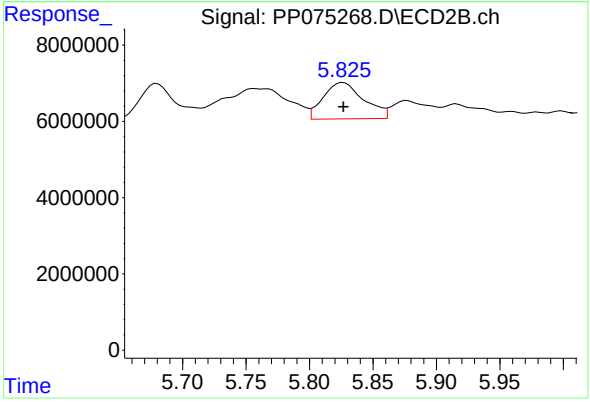
#26 AR-1254-1

R.T.: 5.680 min
Delta R.T.: 0.000 min
Response: 20102889
Conc: 40.30 ng/ml



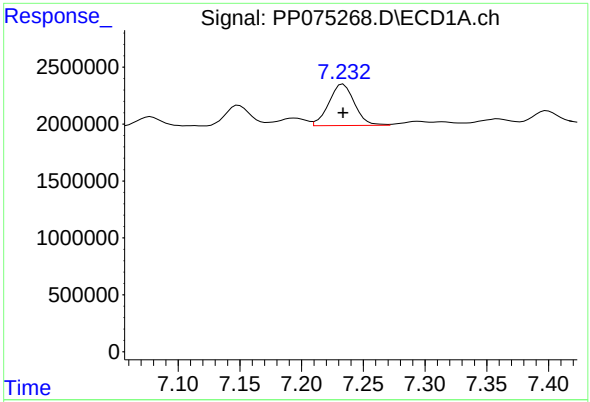
#27 AR-1254-2

R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 4745100
Conc: 55.22 ng/ml



#27 AR-1254-2

R.T.: 5.827 min
Delta R.T.: 0.000 min
Response: 21129184
Conc: 52.93 ng/ml



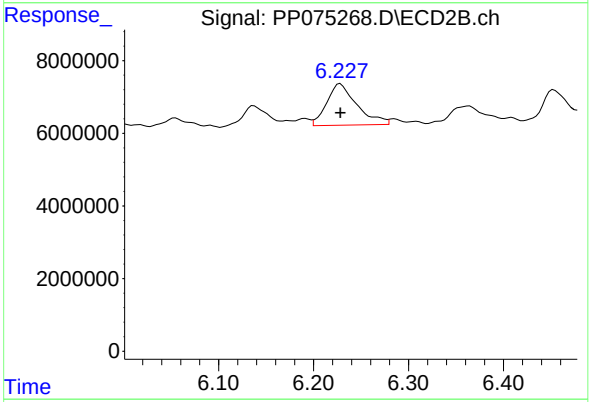
#28 AR-1254-3

R.T.: 7.234 min
Delta R.T.: 0.000 min
Response: 5250883
Conc: 56.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

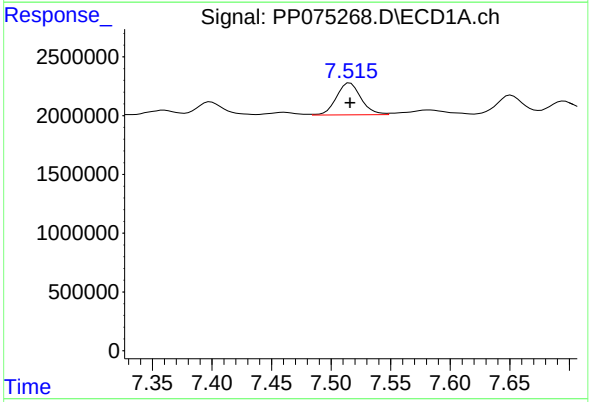
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



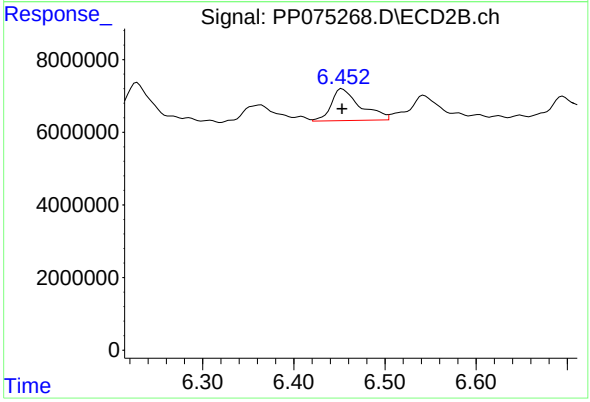
#28 AR-1254-3

R.T.: 6.228 min
Delta R.T.: 0.000 min
Response: 25236892
Conc: 37.97 ng/ml



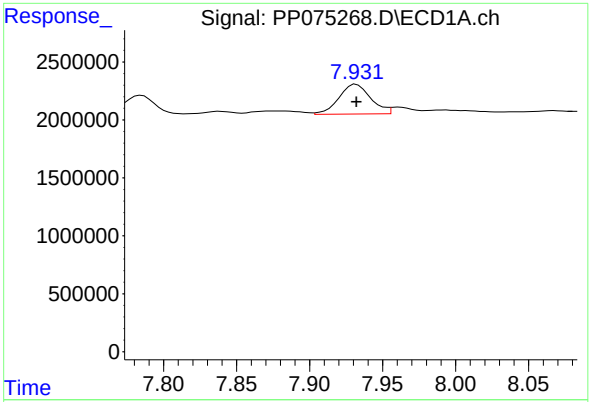
#29 AR-1254-4

R.T.: 7.516 min
Delta R.T.: 0.000 min
Response: 3901845
Conc: 54.69 ng/ml



#29 AR-1254-4

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 19340151
Conc: 39.18 ng/ml



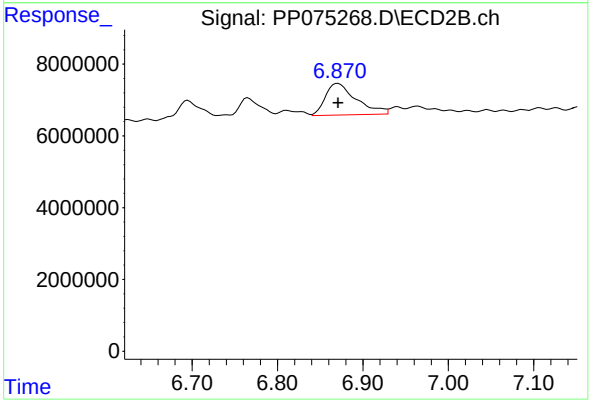
#30 AR-1254-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 3898066
Conc: 47.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#30 AR-1254-5

R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 22310596
Conc: 39.09 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:52
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: Sep 23 16:11:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:09:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.800	64525262	296.7E6	50.000	50.000
2)	SA Decachlor...	10.443	8.807	49716283	321.5E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.243	6.909	37977598	395.6E6	500.000	500.000
37)	L8 AR-1262-2	8.569	7.168	67680488	276.2E6	500.000	500.000
38)	L8 AR-1262-3	8.895	7.690	46725485	250.0E6	500.000	500.000
39)	L8 AR-1262-4	8.984	7.753	36118617	454.0E6	500.000	500.000
40)	L8 AR-1262-5	9.656	8.247	26067736	215.0E6	500.000	500.000

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

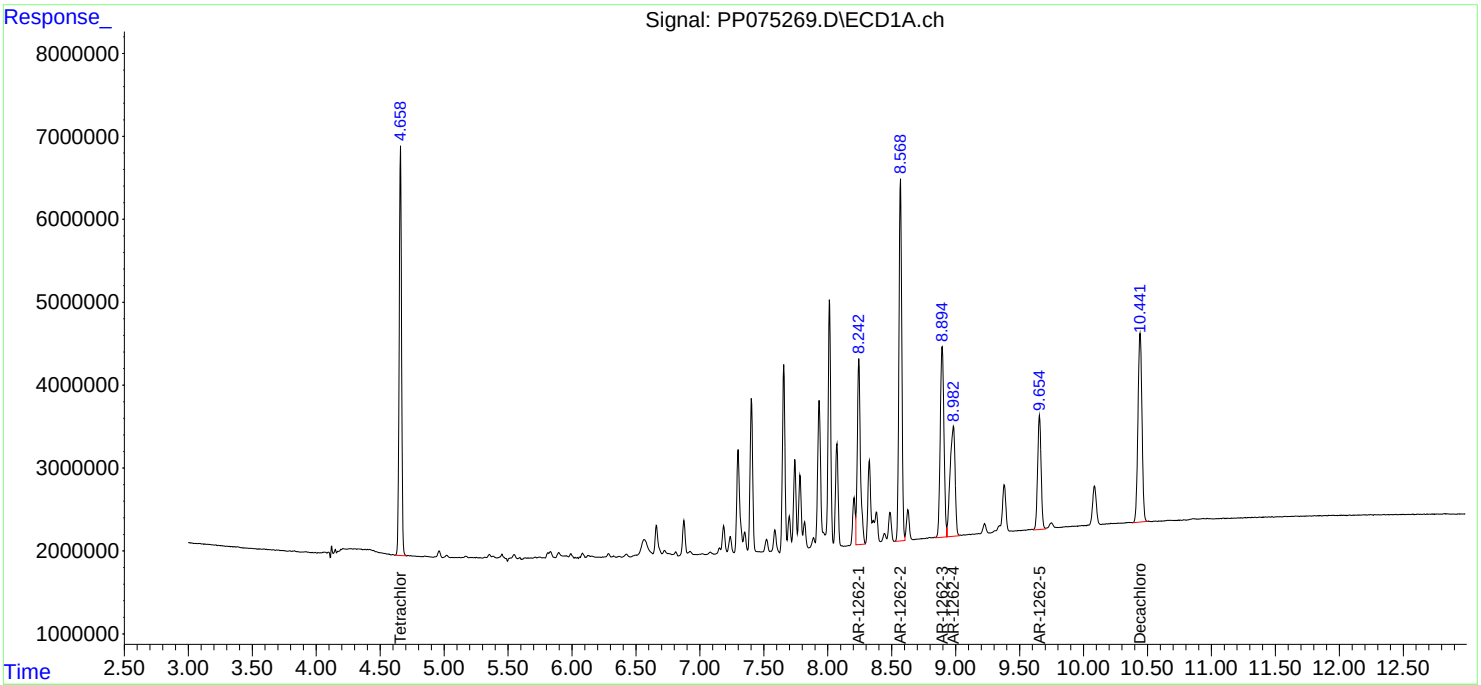
ICAL Form

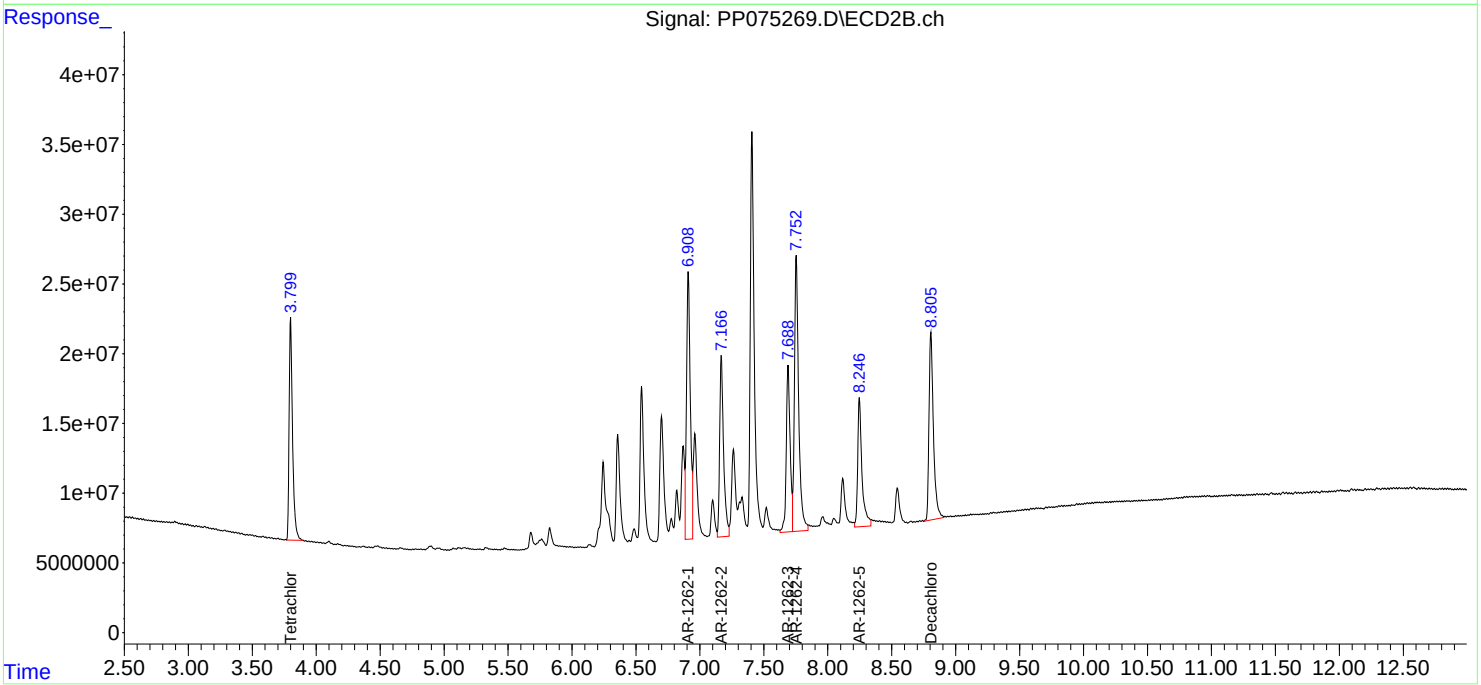
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:52
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

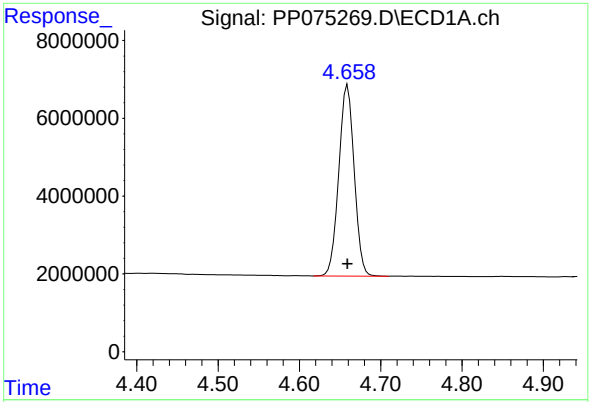
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 16:11:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:09:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



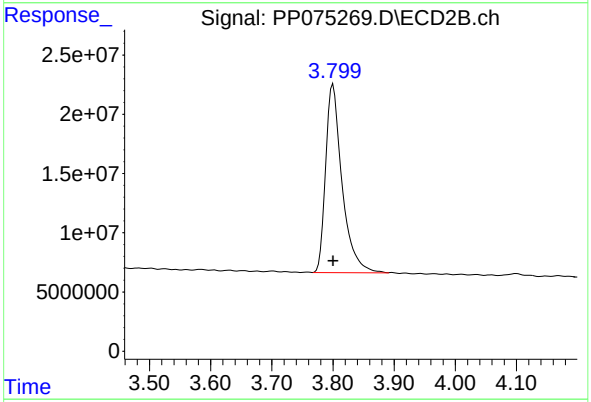




#1 Tetrachloro-m-xylene

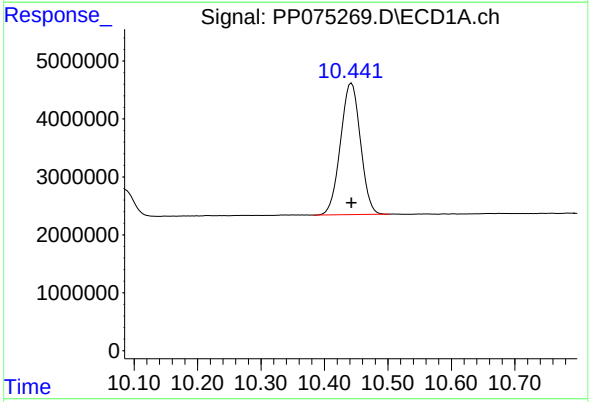
R.T.: 4.659 min
Delta R.T.: 0.000 min
Response: 64525262
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



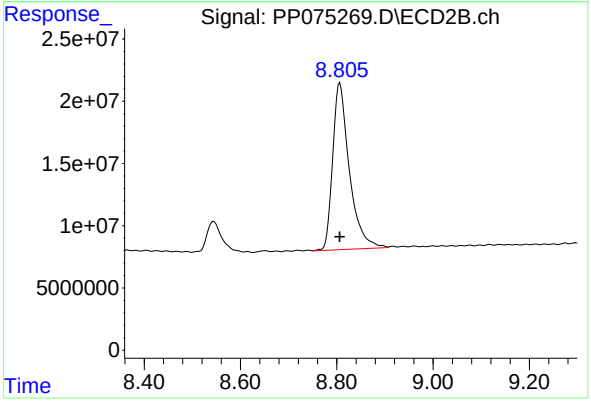
#1 Tetrachloro-m-xylene

R.T.: 3.800 min
Delta R.T.: 0.000 min
Response: 296718295
Conc: 50.00 ng/ml



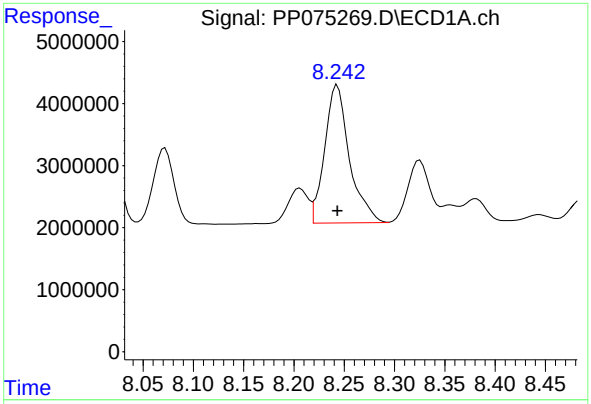
#2 Decachlorobiphenyl

R.T.: 10.443 min
Delta R.T.: 0.000 min
Response: 49716283
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

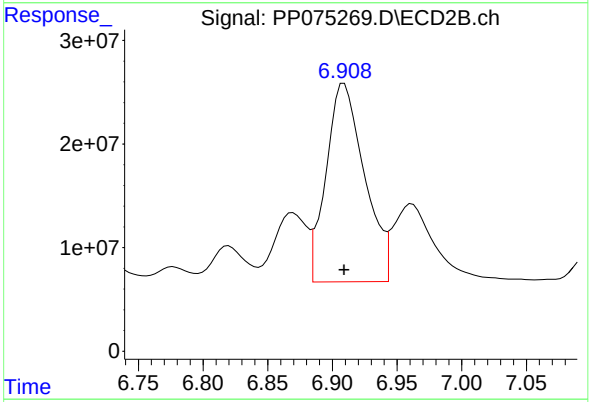
R.T.: 8.807 min
Delta R.T.: 0.000 min
Response: 321471739
Conc: 50.00 ng/ml



#36 AR-1262-1

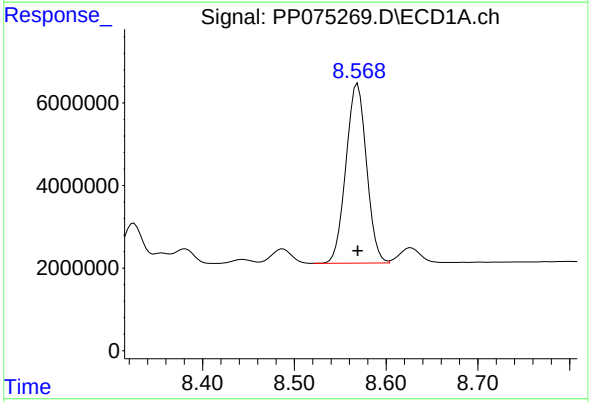
R.T.: 8.243 min
Delta R.T.: 0.000 min
Response: 37977598
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



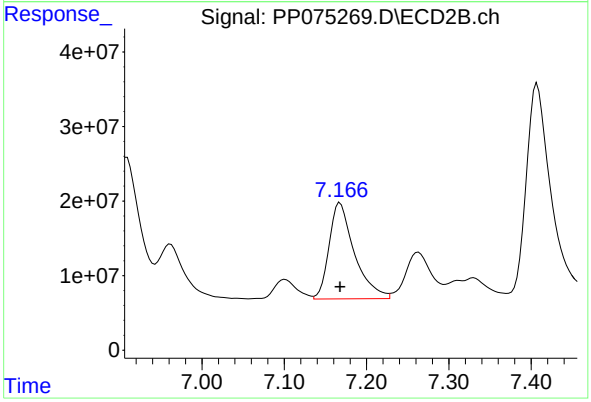
#36 AR-1262-1

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 395558471
Conc: 500.00 ng/ml



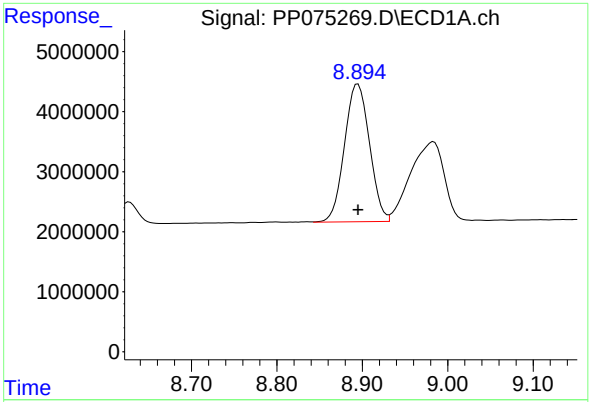
#37 AR-1262-2

R.T.: 8.569 min
Delta R.T.: 0.000 min
Response: 67680488
Conc: 500.00 ng/ml



#37 AR-1262-2

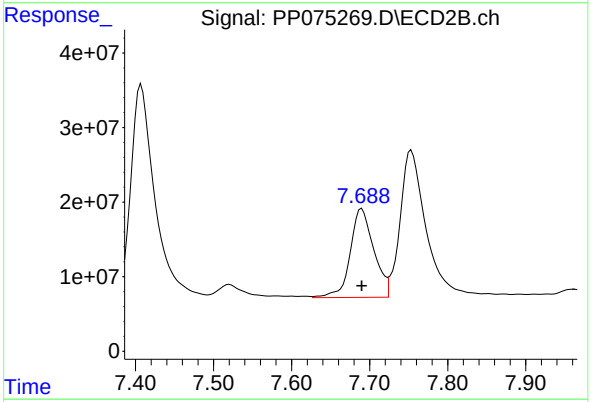
R.T.: 7.168 min
Delta R.T.: 0.000 min
Response: 276184209
Conc: 500.00 ng/ml



#38 AR-1262-3

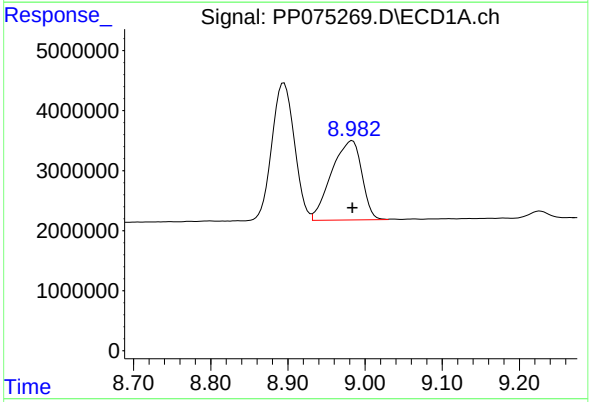
R.T.: 8.895 min
Delta R.T.: 0.000 min
Response: 46725485
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



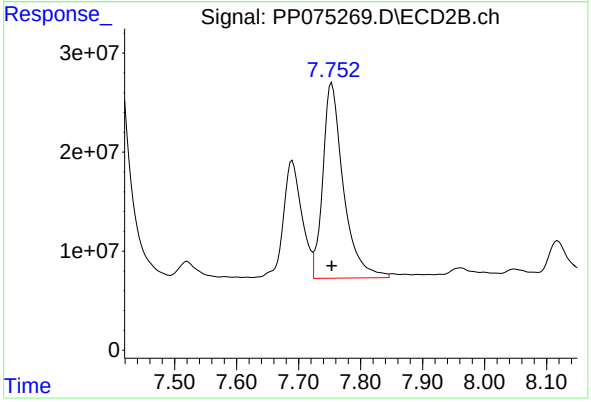
#38 AR-1262-3

R.T.: 7.690 min
Delta R.T.: 0.000 min
Response: 249986782
Conc: 500.00 ng/ml



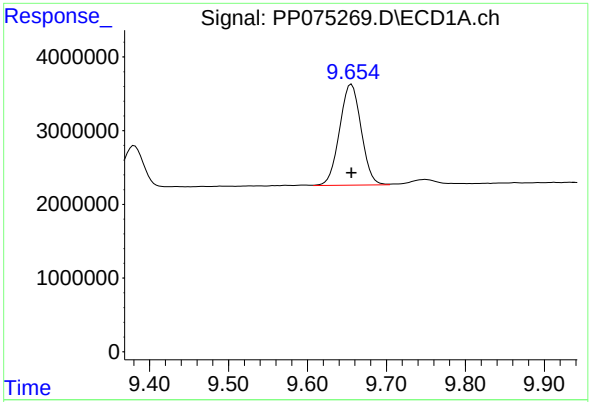
#39 AR-1262-4

R.T.: 8.984 min
Delta R.T.: 0.000 min
Response: 36118617
Conc: 500.00 ng/ml



#39 AR-1262-4

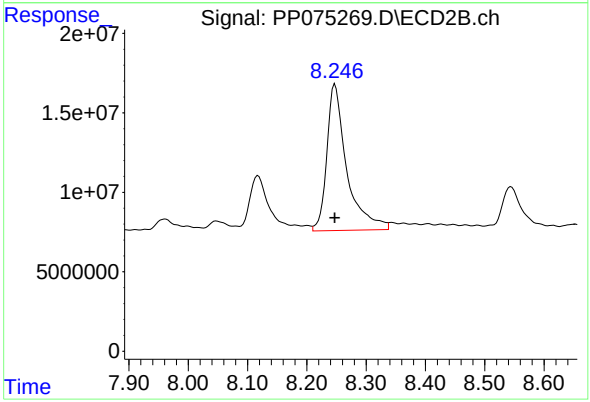
R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 454041768
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.656 min
Delta R.T.: 0.000 min
Response: 26067736
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.247 min
Delta R.T.: 0.000 min
Response: 214953059
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:09
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: Sep 23 17:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.799	127.9E6	656.7E6	95.826	99.444
2)	SA Decachlor...	10.442	8.807	165.7E6	1209.5E6	94.811	99.431
	Target Compounds						
41)	L9 AR-1268-1	8.890	7.690	152.9E6	1460.2E6	949.456	967.154
42)	L9 AR-1268-2	8.986	7.754	141.1E6	1471.7E6	950.525	983.689
43)	L9 AR-1268-3	9.226	7.961	118.9E6	1142.5E6	951.307	977.313
44)	L9 AR-1268-4	9.655	8.247	55874289	470.5E6	948.208	987.003
45)	L9 AR-1268-5	10.086	8.545	373.7E6	3043.3E6	957.165	962.827

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

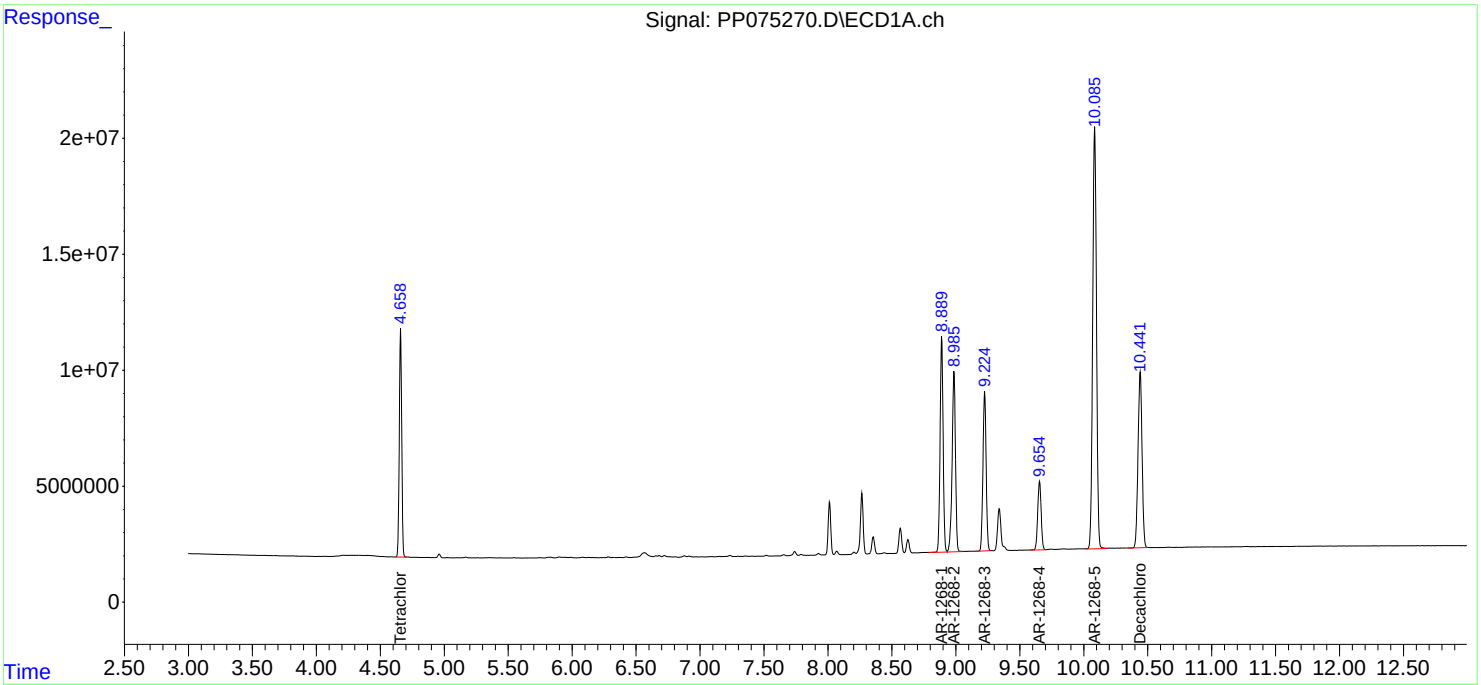
ICAL Form

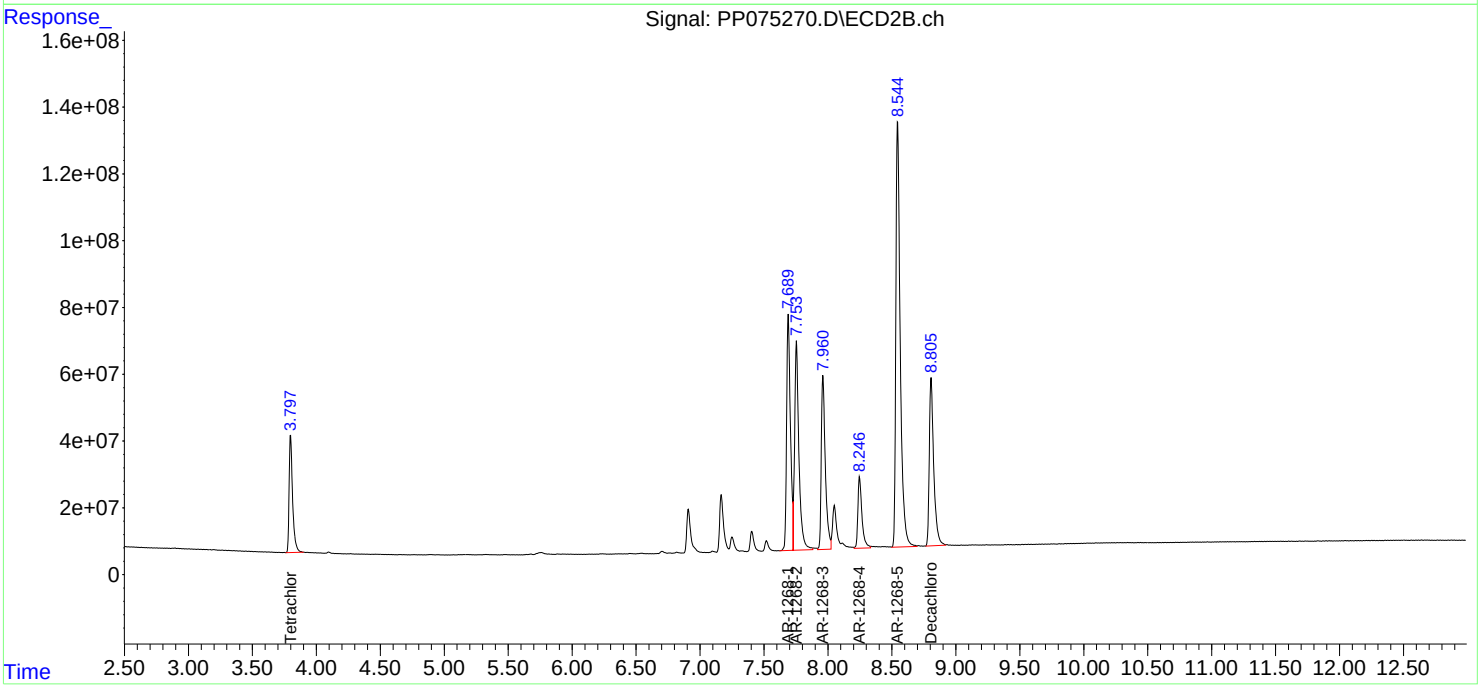
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:09
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

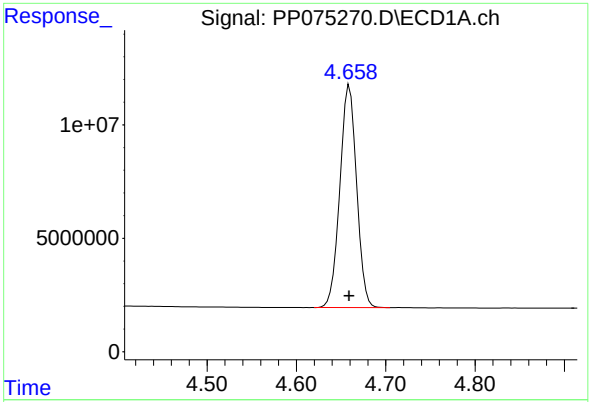
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



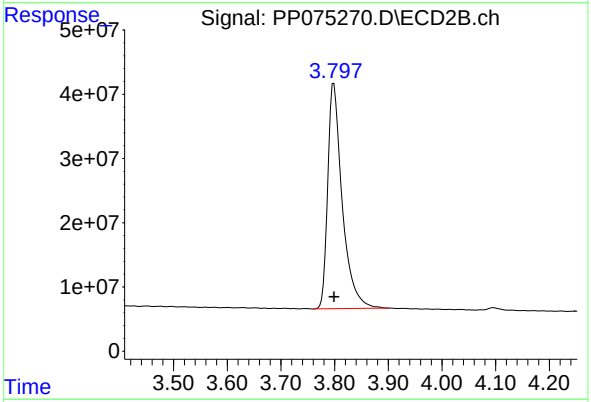




#1 Tetrachloro-m-xylene

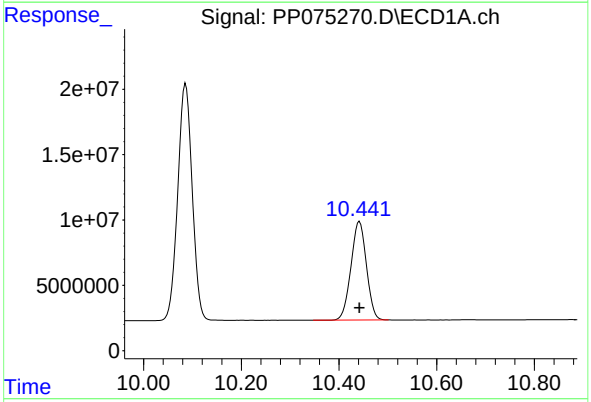
R.T.: 4.659 min
Delta R.T.: 0.000 min
Response: 127913745
Conc: 95.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



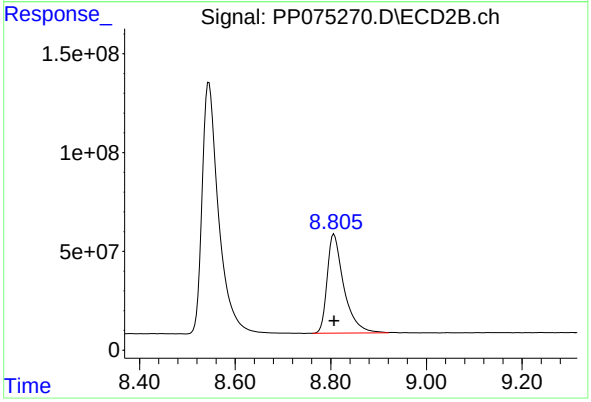
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 656732962
Conc: 99.44 ng/ml



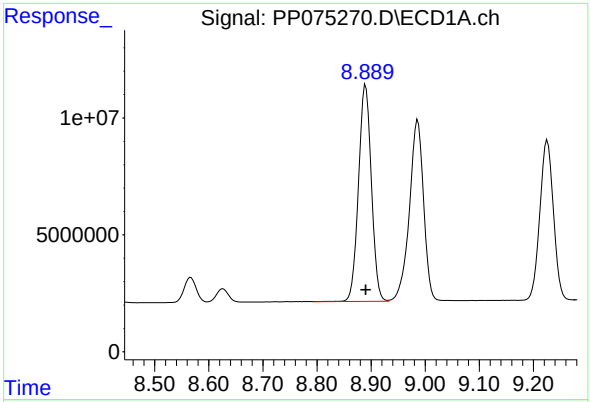
#2 Decachlorobiphenyl

R.T.: 10.442 min
Delta R.T.: 0.000 min
Response: 165740658
Conc: 94.81 ng/ml



#2 Decachlorobiphenyl

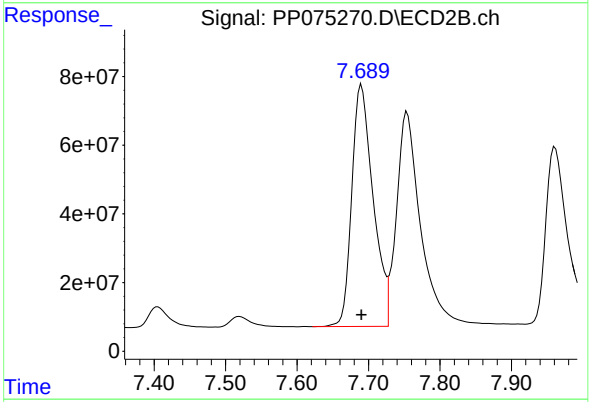
R.T.: 8.807 min
Delta R.T.: 0.000 min
Response: 1209469094
Conc: 99.43 ng/ml



#41 AR-1268-1

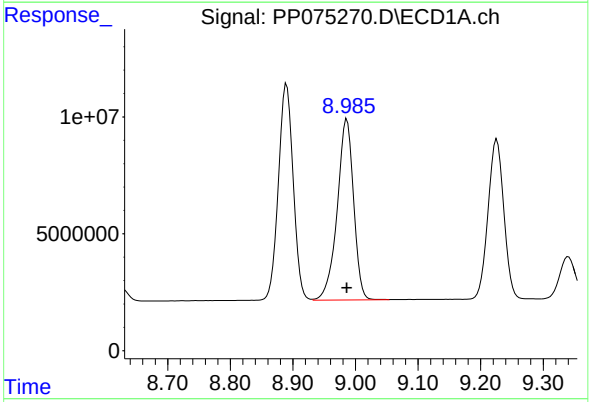
R.T.: 8.890 min
Delta R.T.: 0.000 min
Response: 152883178
Conc: 949.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



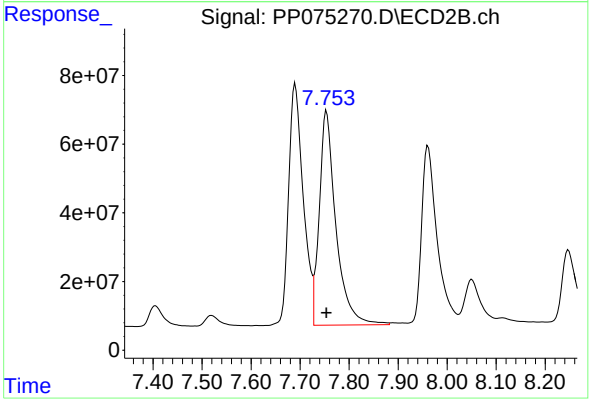
#41 AR-1268-1

R.T.: 7.690 min
Delta R.T.: 0.000 min
Response: 1460168699
Conc: 967.15 ng/ml



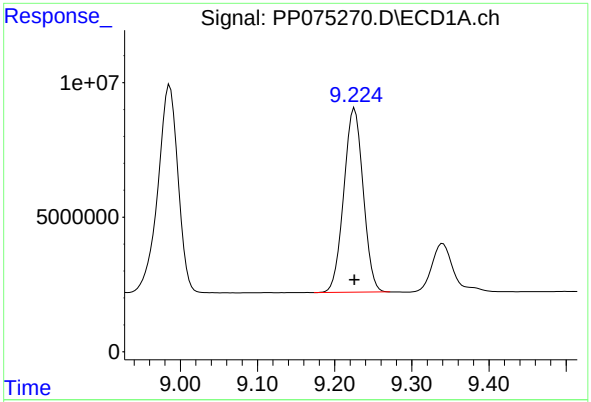
#42 AR-1268-2

R.T.: 8.986 min
Delta R.T.: 0.000 min
Response: 141133811
Conc: 950.53 ng/ml



#42 AR-1268-2

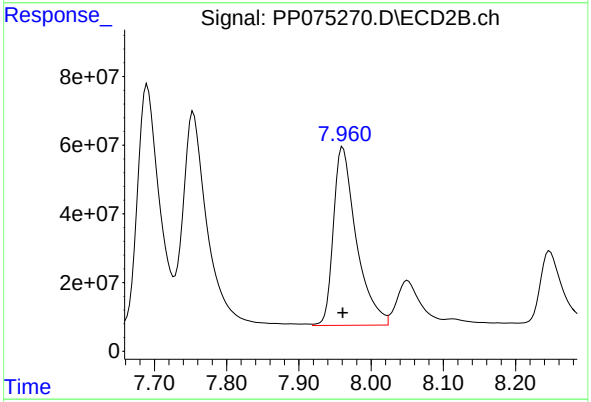
R.T.: 7.754 min
Delta R.T.: 0.000 min
Response: 1471677824
Conc: 983.69 ng/ml



#43 AR-1268-3

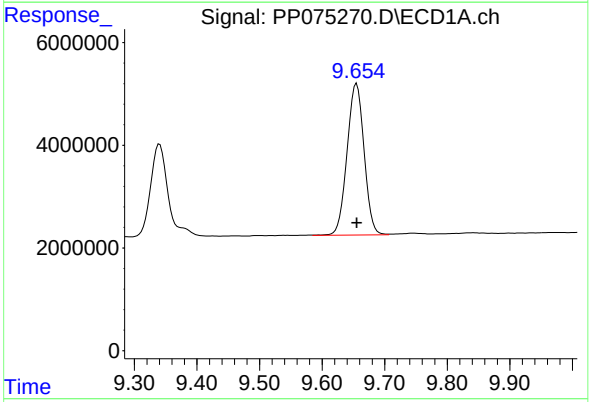
R.T.: 9.226 min
Delta R.T.: 0.000 min
Response: 118887581
Conc: 951.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



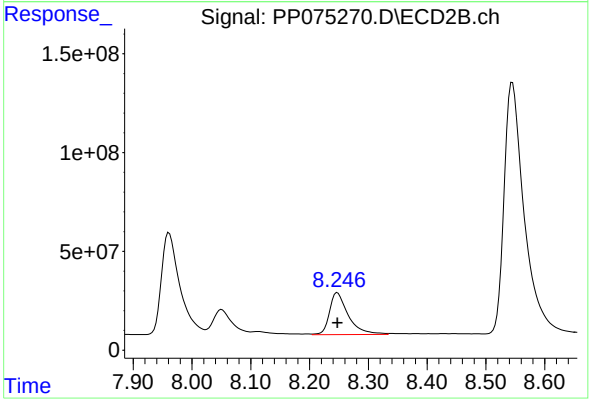
#43 AR-1268-3

R.T.: 7.961 min
Delta R.T.: 0.000 min
Response: 1142468076
Conc: 977.31 ng/ml



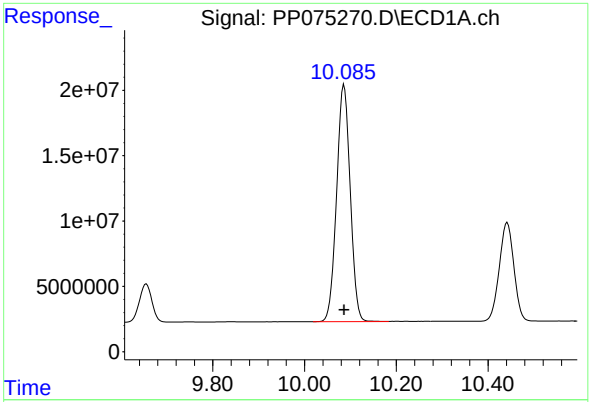
#44 AR-1268-4

R.T.: 9.655 min
Delta R.T.: 0.000 min
Response: 55874289
Conc: 948.21 ng/ml



#44 AR-1268-4

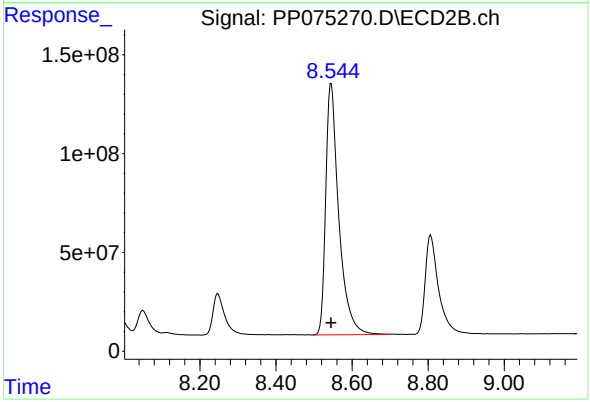
R.T.: 8.247 min
Delta R.T.: 0.000 min
Response: 470517486
Conc: 987.00 ng/ml



#45 AR-1268-5

R.T.: 10.086 min
Delta R.T.: 0.000 min
Response: 373677572
Conc: 957.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.545 min
Delta R.T.: 0.000 min
Response: 3043336629
Conc: 962.83 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:25
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: Sep 23 17:05:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.799	100.1E6	497.2E6	74.976	75.187
2)	SA Decachlor...	10.442	8.807	130.2E6	914.1E6	74.643	75.099
	Target Compounds						
41)	L9 AR-1268-1	8.892	7.690	119.8E6	1135.3E6	745.861	751.304
42)	L9 AR-1268-2	8.988	7.754	110.2E6	1125.2E6	744.931	751.391
43)	L9 AR-1268-3	9.228	7.962	92608920	865.0E6	743.998	743.275
44)	L9 AR-1268-4	9.656	8.248	43848213	354.7E6	746.070	746.016
45)	L9 AR-1268-5	10.088	8.546	291.3E6	2388.6E6	747.392	753.776

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

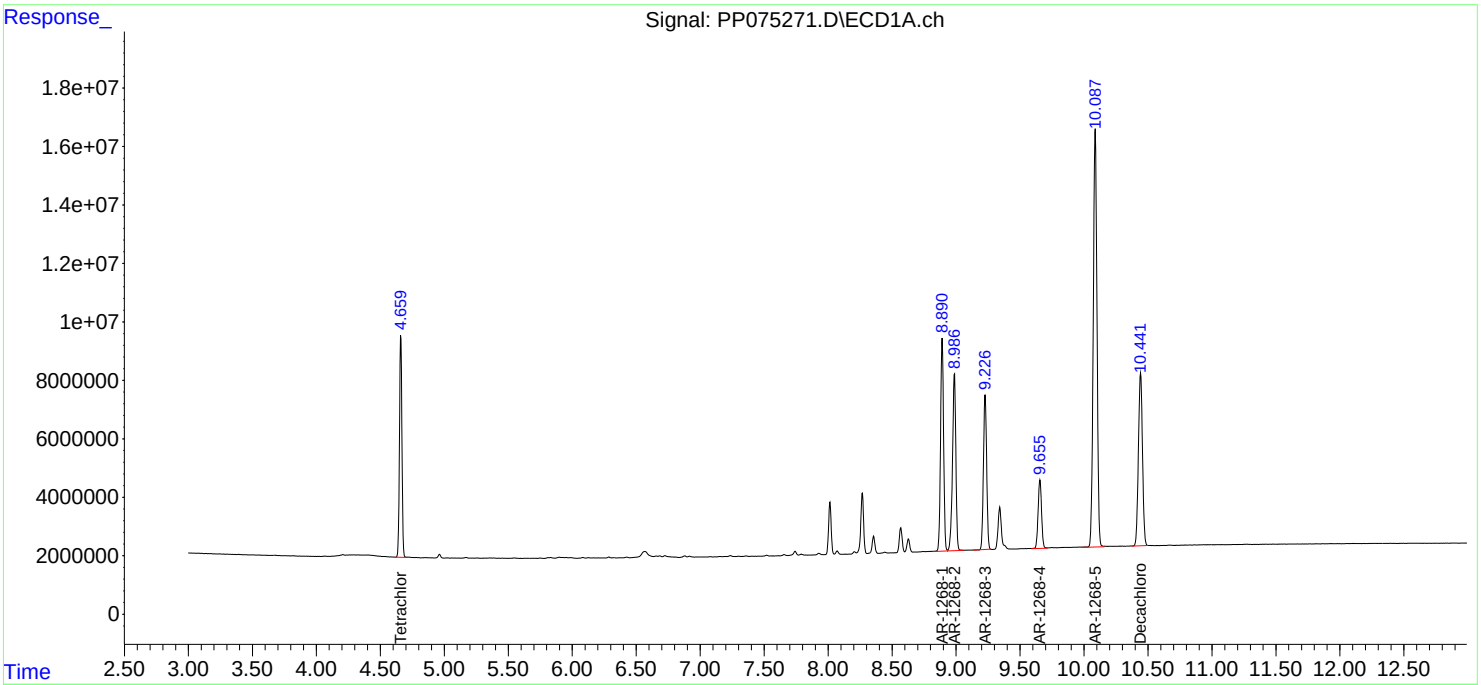
ICAL Form

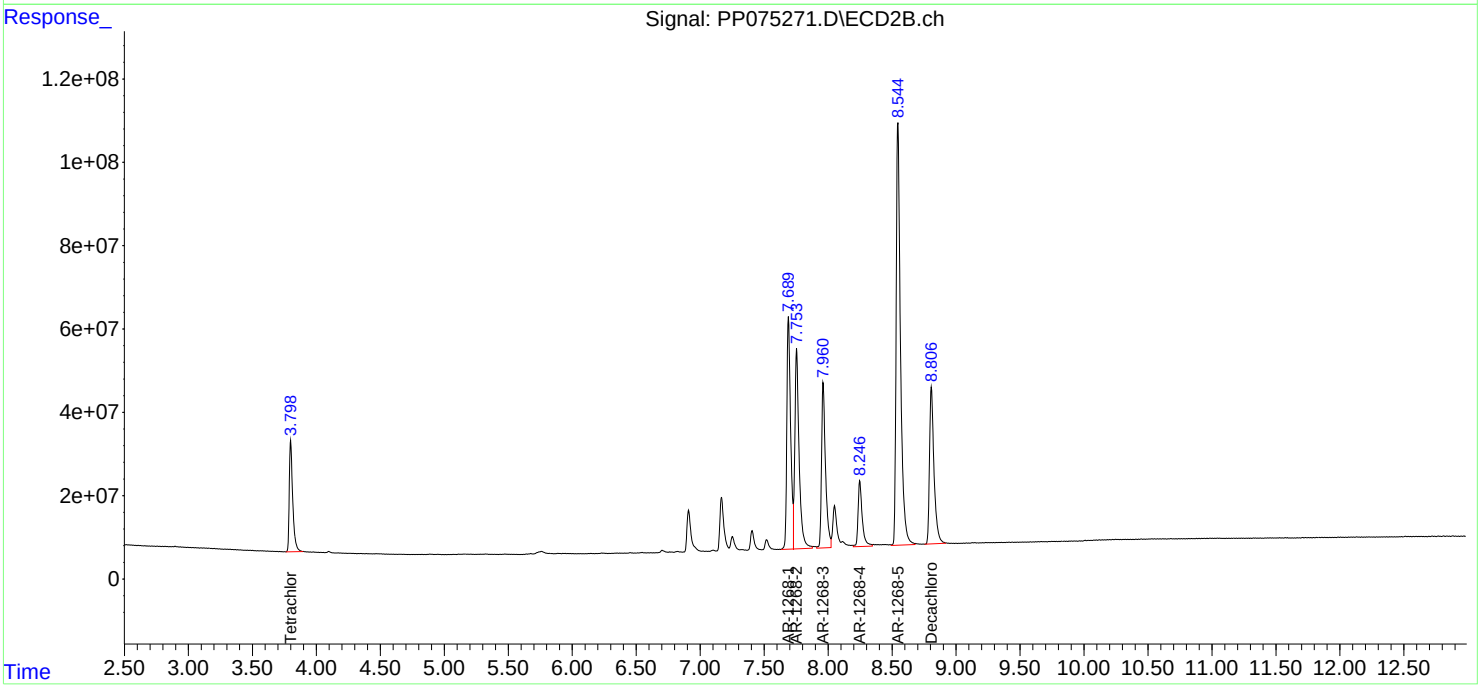
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:25
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

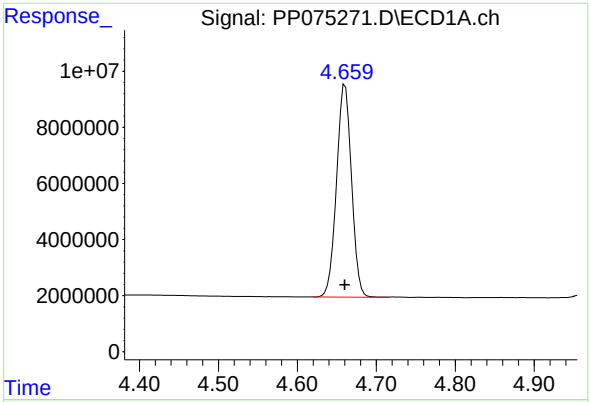
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:05:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



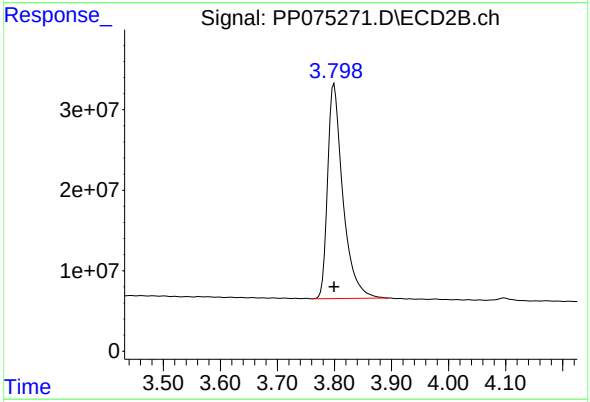




#1 Tetrachloro-m-xylene

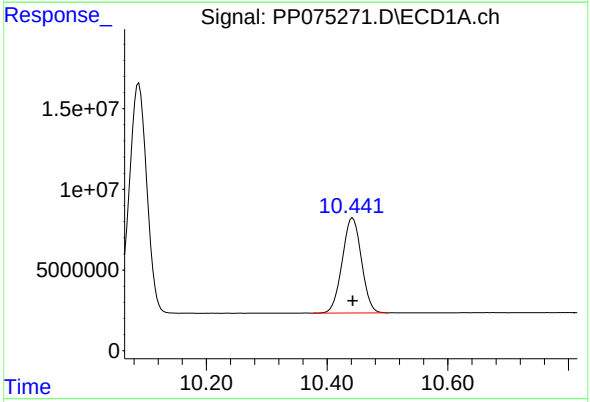
R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 100066687
Conc: 74.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



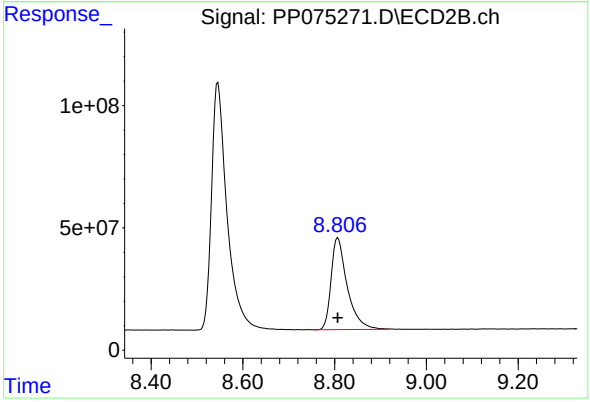
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 497158030
Conc: 75.19 ng/ml



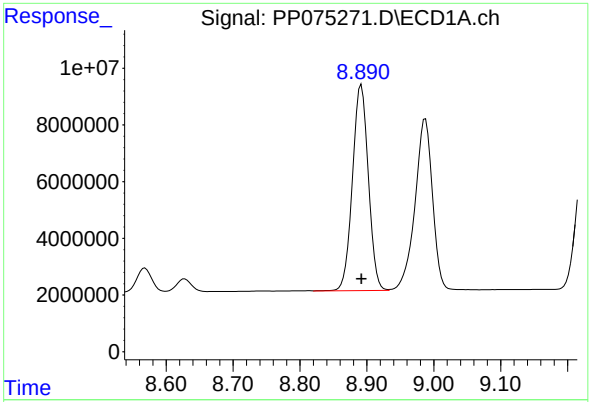
#2 Decachlorobiphenyl

R.T.: 10.442 min
Delta R.T.: 0.000 min
Response: 130175685
Conc: 74.64 ng/ml



#2 Decachlorobiphenyl

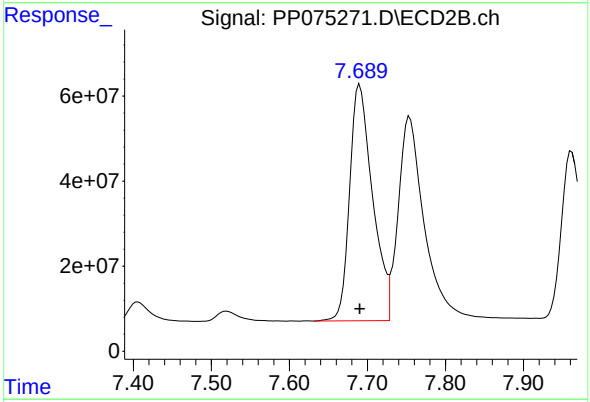
R.T.: 8.807 min
Delta R.T.: 0.000 min
Response: 914090698
Conc: 75.10 ng/ml



#41 AR-1268-1

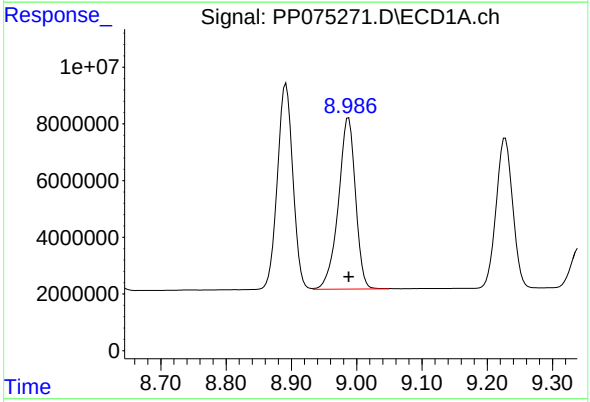
R.T.: 8.892 min
Delta R.T.: 0.000 min
Response: 119769528
Conc: 745.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



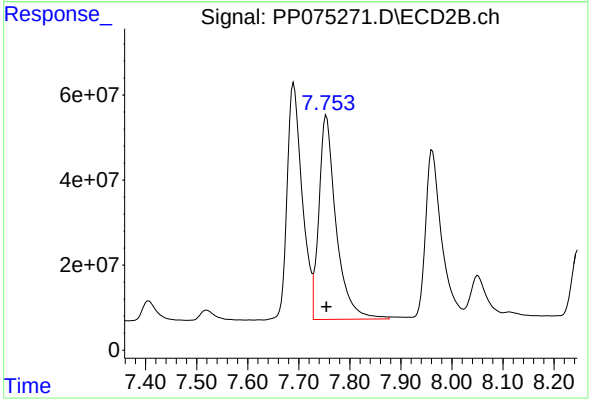
#41 AR-1268-1

R.T.: 7.690 min
Delta R.T.: 0.000 min
Response: 1135274856
Conc: 751.30 ng/ml



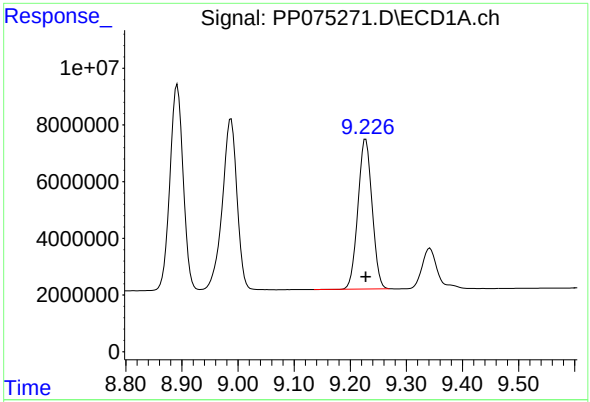
#42 AR-1268-2

R.T.: 8.988 min
Delta R.T.: 0.000 min
Response: 110234639
Conc: 744.93 ng/ml



#42 AR-1268-2

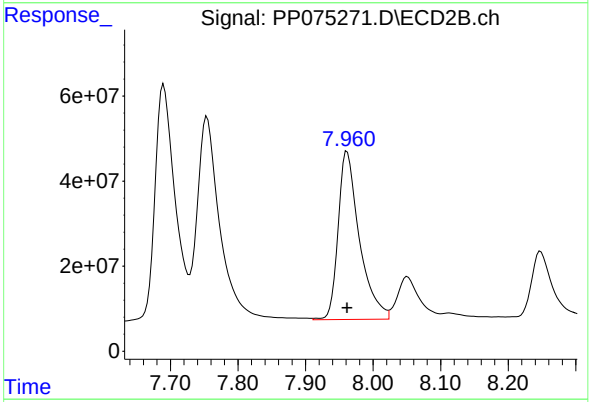
R.T.: 7.754 min
Delta R.T.: 0.000 min
Response: 1125183792
Conc: 751.39 ng/ml



#43 AR-1268-3

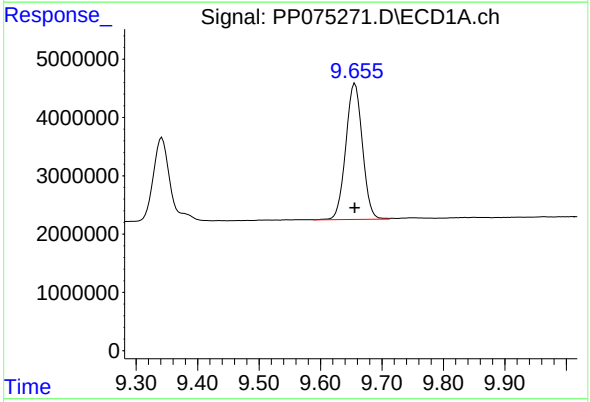
R.T.: 9.228 min
Delta R.T.: 0.000 min
Response: 92608920
Conc: 744.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



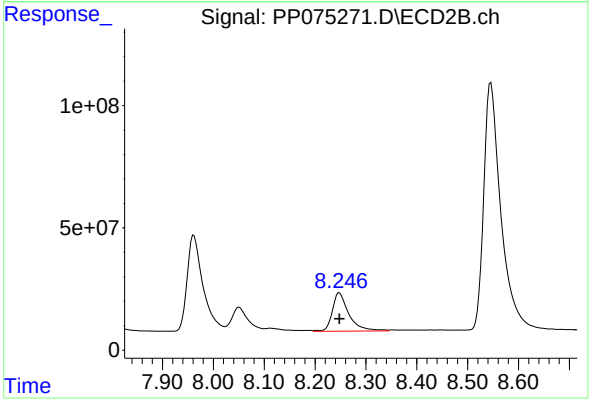
#43 AR-1268-3

R.T.: 7.962 min
Delta R.T.: 0.000 min
Response: 865001509
Conc: 743.27 ng/ml



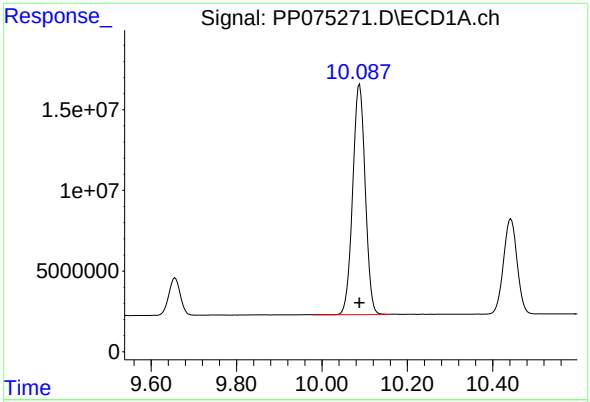
#44 AR-1268-4

R.T.: 9.656 min
Delta R.T.: 0.000 min
Response: 43848213
Conc: 746.07 ng/ml



#44 AR-1268-4

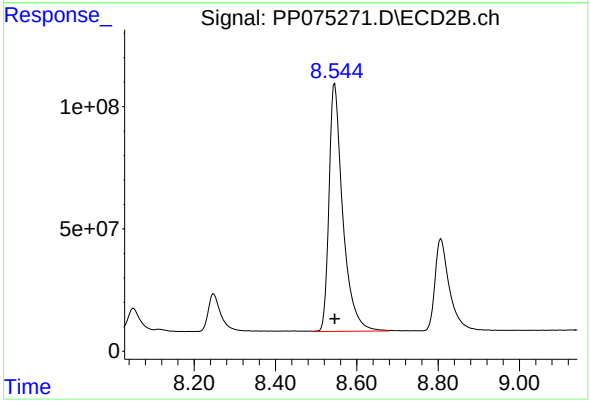
R.T.: 8.248 min
Delta R.T.: 0.000 min
Response: 354693309
Conc: 746.02 ng/ml



#45 AR-1268-5

R.T.: 10.088 min
Delta R.T.: 0.000 min
Response: 291275954
Conc: 747.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.546 min
Delta R.T.: 0.000 min
Response: 2388574998
Conc: 753.78 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:41
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: Sep 23 17:00:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.799	69528834	332.0E6	50.000	50.000
2)	SA Decachlor...	10.443	8.806	91941579	611.7E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.891	7.689	84580336	779.7E6	500.000	500.000
42)	L9 AR-1268-2	8.987	7.753	77912875	760.2E6	500.000	500.000
43)	L9 AR-1268-3	9.228	7.960	65529058	597.8E6	500.000	500.000
44)	L9 AR-1268-4	9.655	8.246	30989057	241.5E6	500.000	500.000
45)	L9 AR-1268-5	10.087	8.545	203.6E6	1639.2E6	500.000	500.000

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

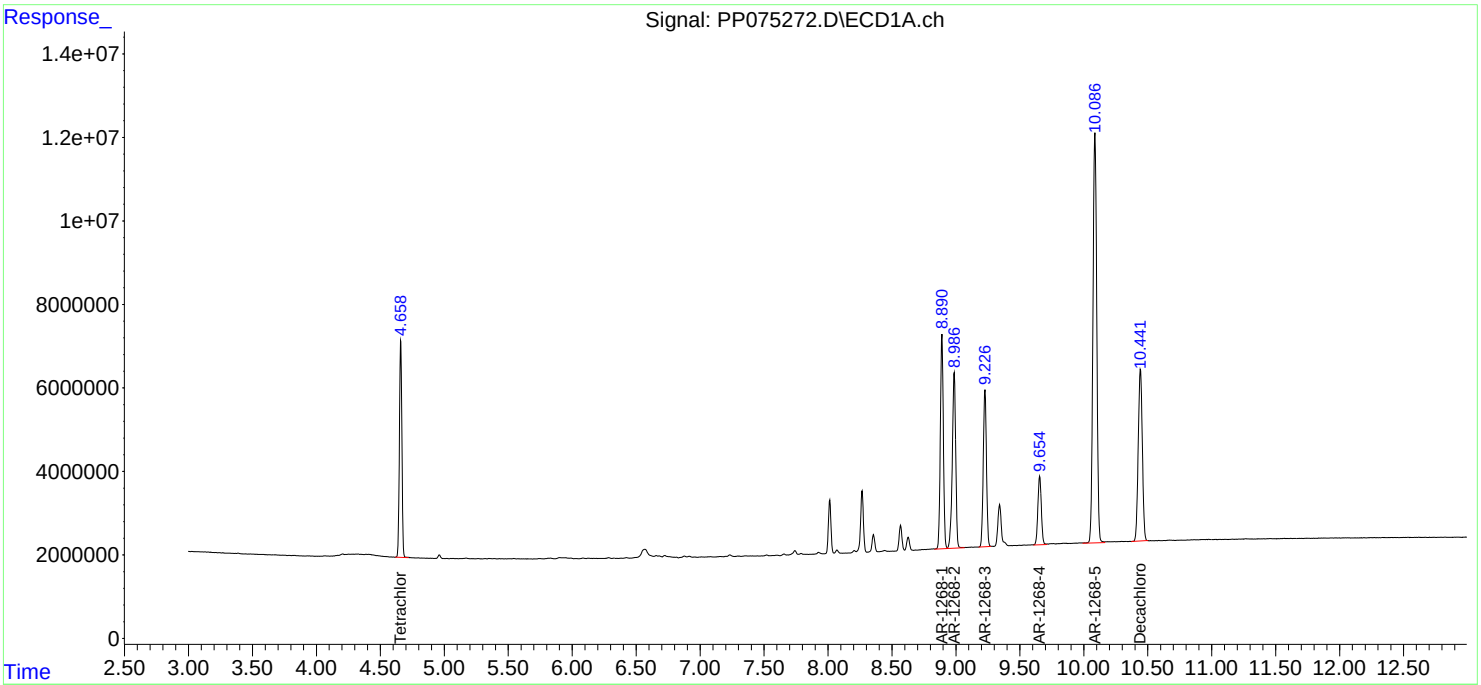
ICAL Form

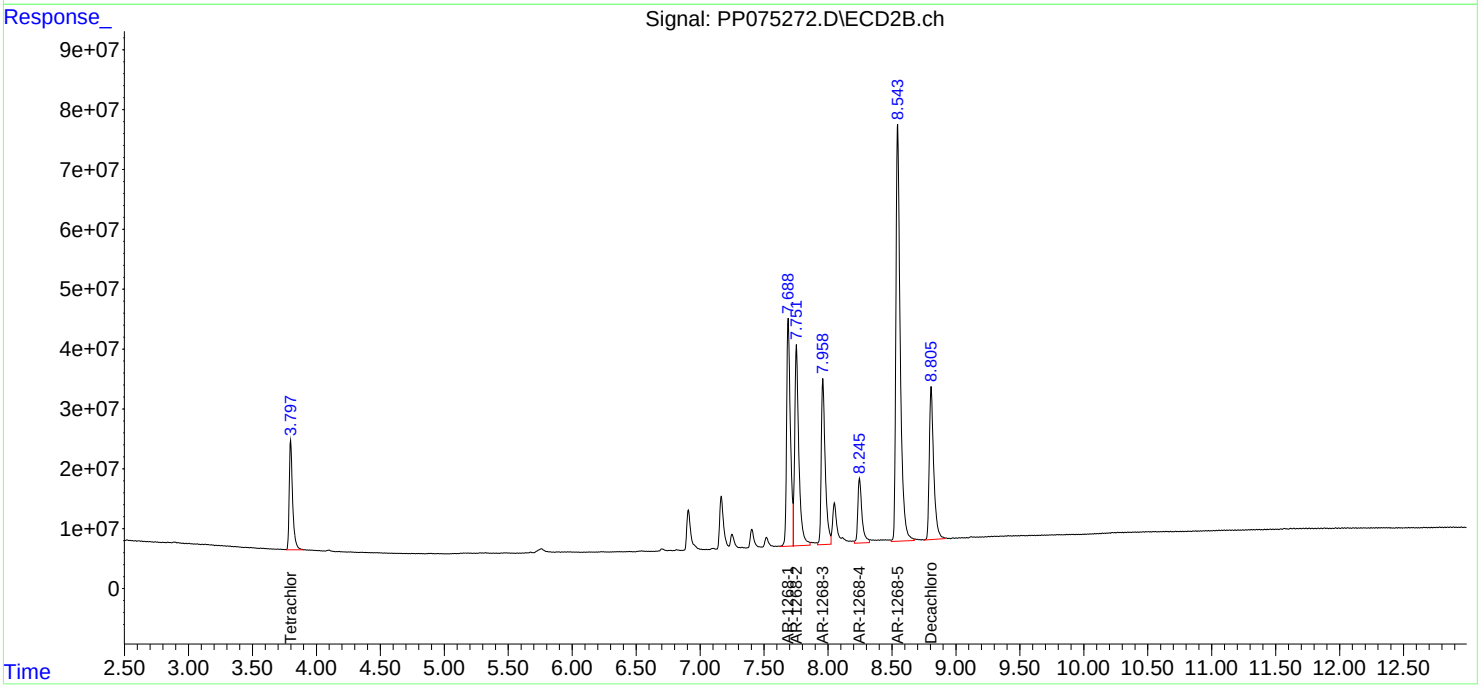
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:41
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

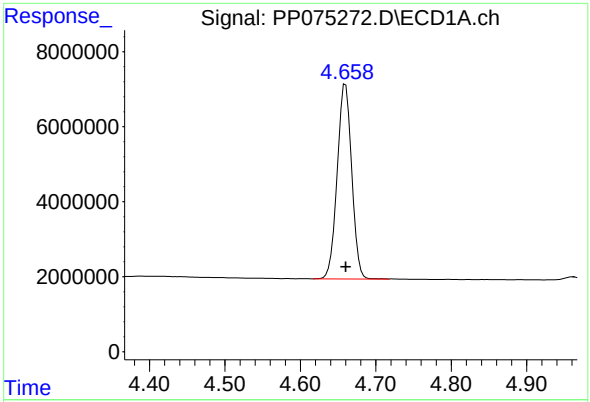
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:00:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



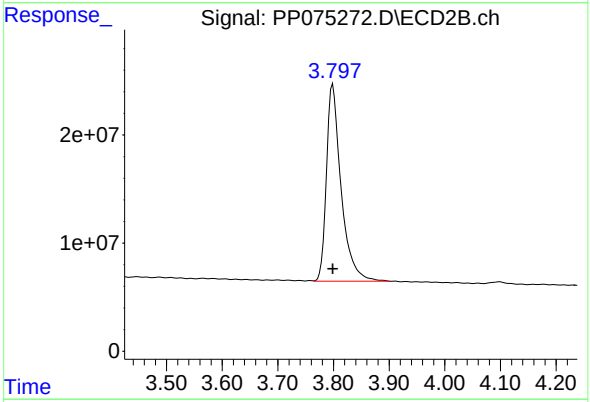




#1 Tetrachloro-m-xylene

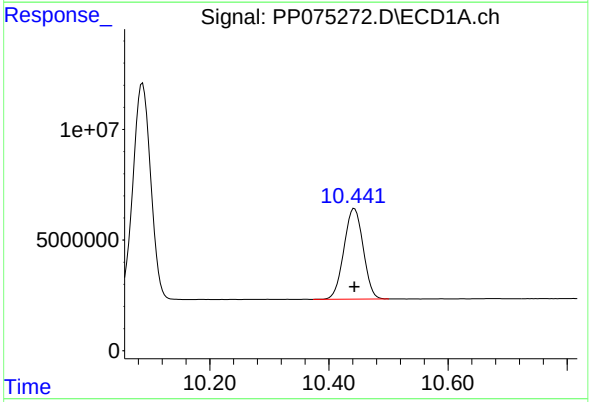
R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 69528834
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



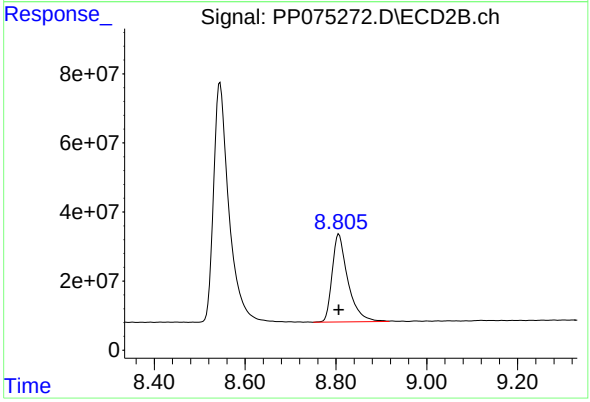
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 332036100
Conc: 50.00 ng/ml



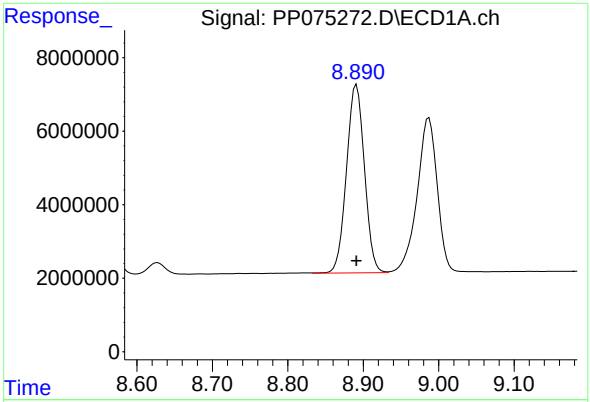
#2 Decachlorobiphenyl

R.T.: 10.443 min
Delta R.T.: 0.000 min
Response: 91941579
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

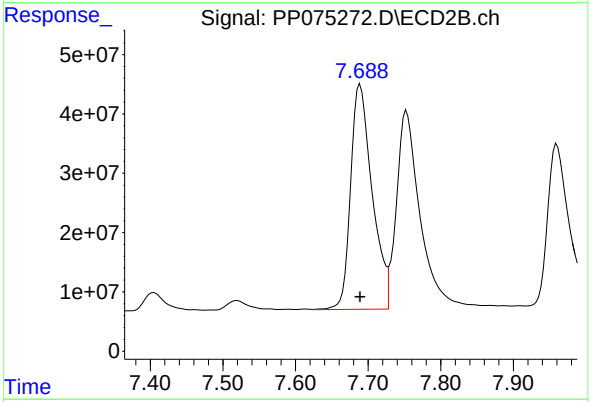
R.T.: 8.806 min
Delta R.T.: 0.000 min
Response: 611654619
Conc: 50.00 ng/ml



#41 AR-1268-1

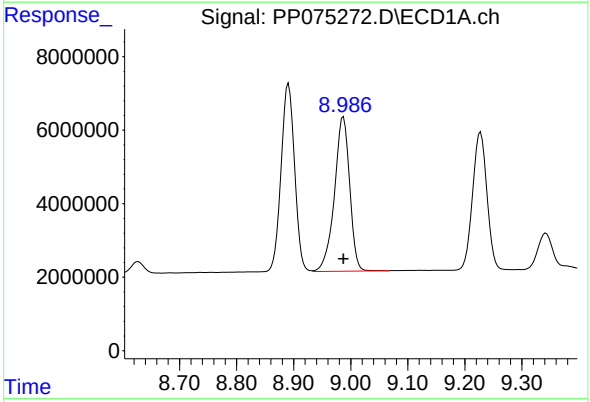
R.T.: 8.891 min
Delta R.T.: 0.000 min
Response: 84580336
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



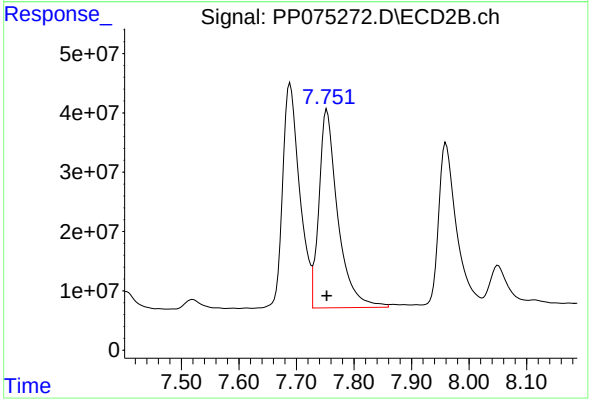
#41 AR-1268-1

R.T.: 7.689 min
Delta R.T.: 0.000 min
Response: 779674117
Conc: 500.00 ng/ml



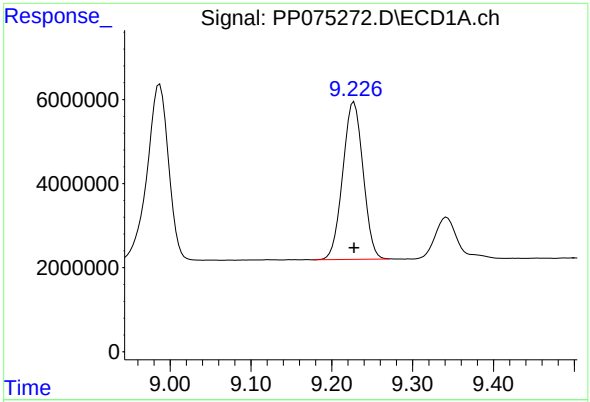
#42 AR-1268-2

R.T.: 8.987 min
Delta R.T.: 0.000 min
Response: 77912875
Conc: 500.00 ng/ml



#42 AR-1268-2

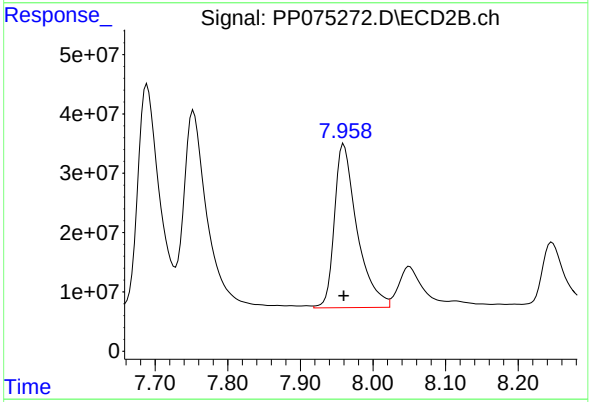
R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 760240815
Conc: 500.00 ng/ml



#43 AR-1268-3

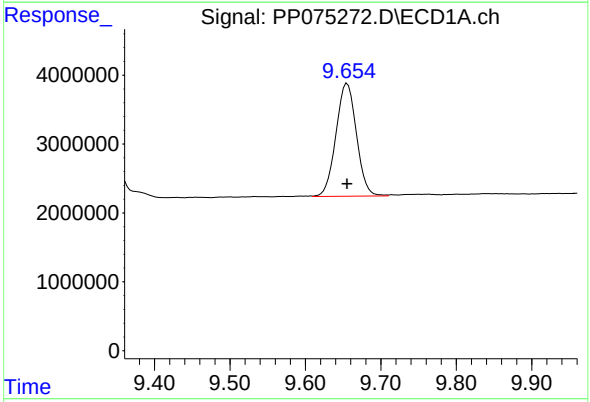
R.T.: 9.228 min
Delta R.T.: 0.000 min
Response: 65529058
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



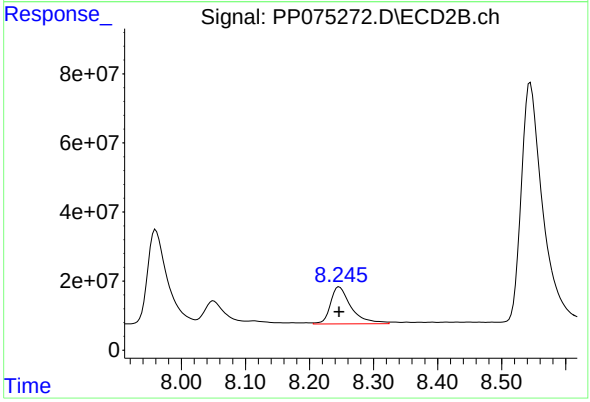
#43 AR-1268-3

R.T.: 7.960 min
Delta R.T.: 0.000 min
Response: 597755130
Conc: 500.00 ng/ml



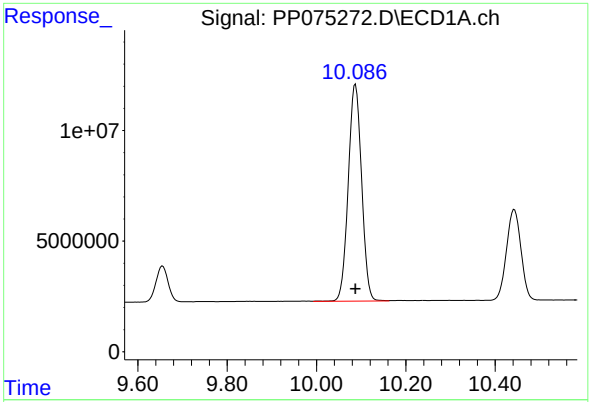
#44 AR-1268-4

R.T.: 9.655 min
Delta R.T.: 0.000 min
Response: 30989057
Conc: 500.00 ng/ml



#44 AR-1268-4

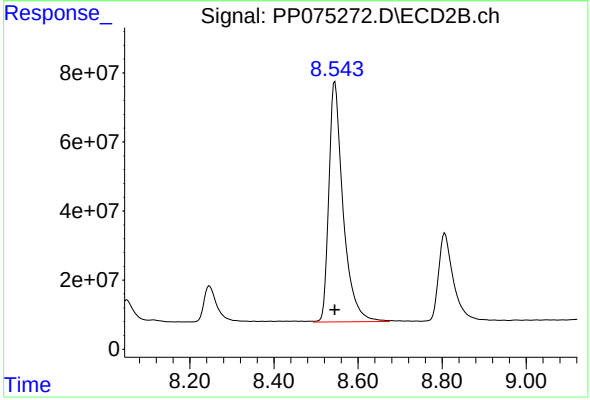
R.T.: 8.246 min
Delta R.T.: 0.000 min
Response: 241454470
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 10.087 min
Delta R.T.: 0.000 min
Response: 203561599
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.545 min
Delta R.T.: 0.000 min
Response: 1639165491
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:58
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: Sep 23 17:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:12:18 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...	4.658	3.796	34379611	151.4E6	25.565	23.393
2)	SA Decachlor...	10.439	8.804	46278136	303.1E6	26.135	24.927
	Target Compounds						
41)	L9 AR-1268-1	8.889	7.687	42980575	365.2E6	263.015	243.698
42)	L9 AR-1268-2	8.984	7.751	39128437	345.6E6	260.660	235.330
43)	L9 AR-1268-3	9.225	7.958	32512368	273.5E6	258.304	238.576
44)	L9 AR-1268-4	9.653	8.245	15247313	115.2E6	257.007	244.227
45)	L9 AR-1268-5	10.085	8.542	101.3E6	821.3E6	257.365	256.819

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

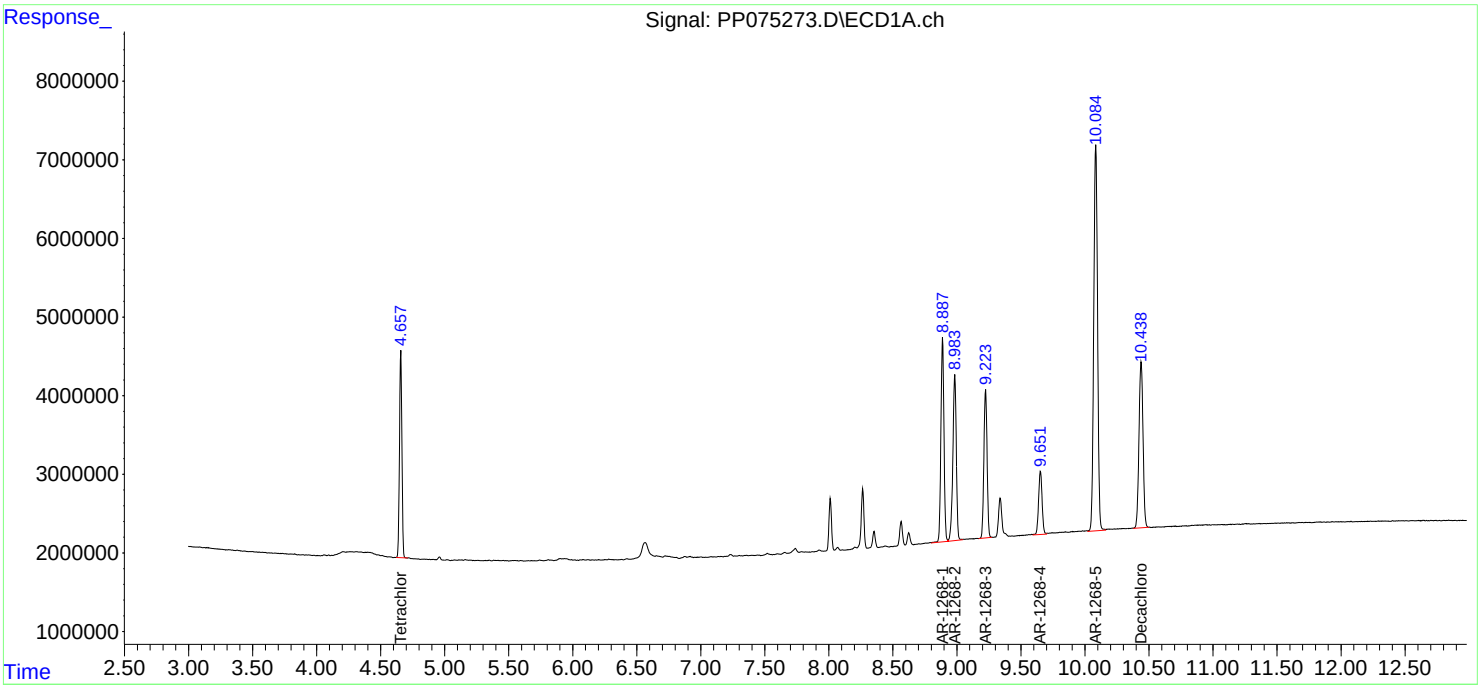
ICAL Form

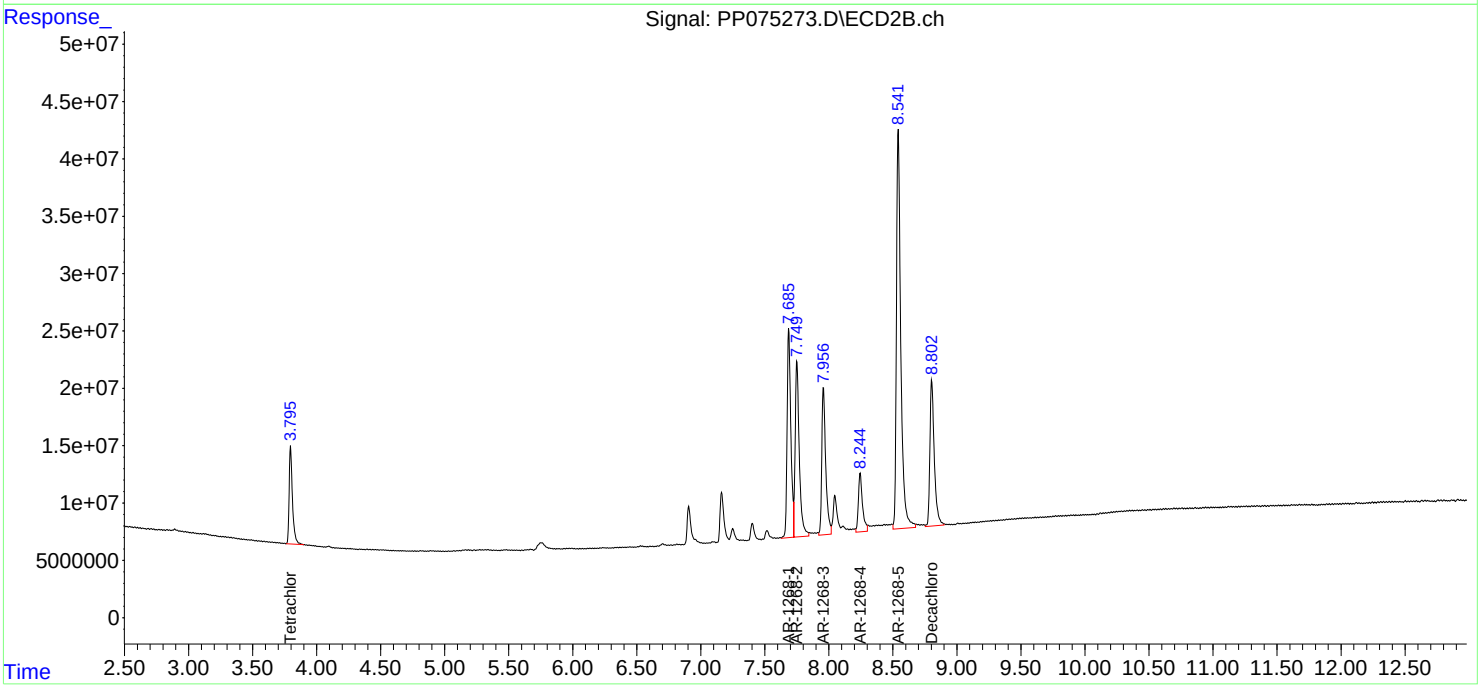
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:58
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

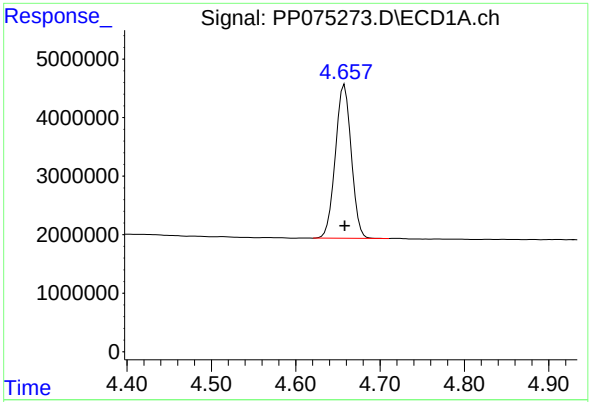
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:12:18 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



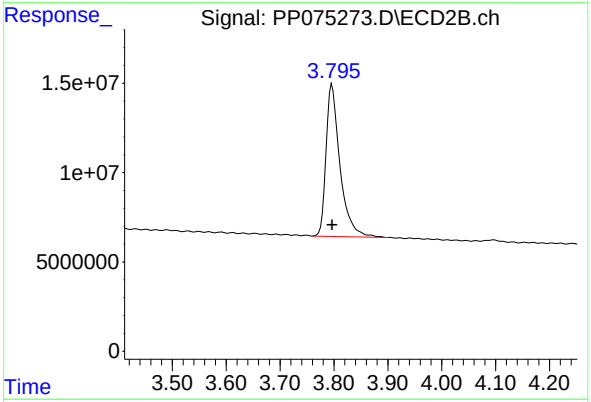




#1 Tetrachloro-m-xylene

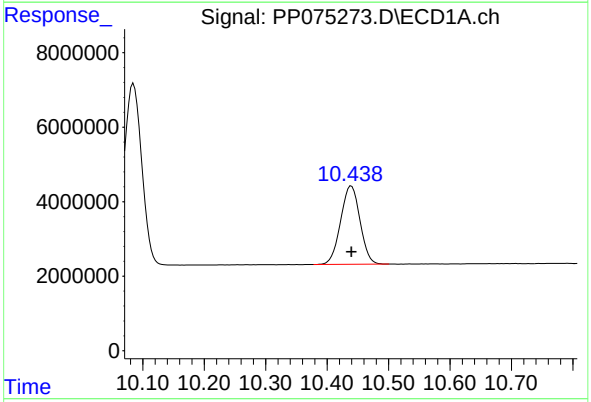
R.T.: 4.658 min
Delta R.T.: 0.000 min
Response: 34379611
Conc: 25.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



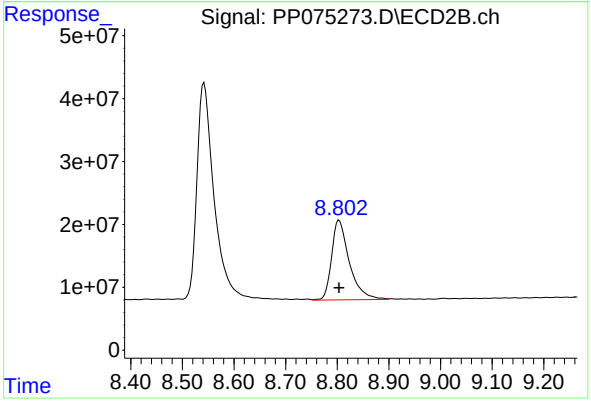
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 151432939
Conc: 23.39 ng/ml



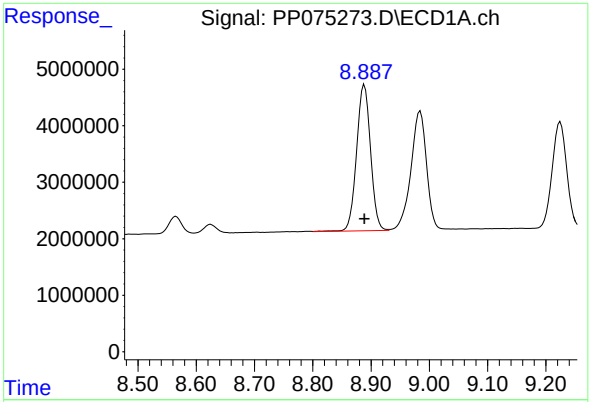
#2 Decachlorobiphenyl

R.T.: 10.439 min
Delta R.T.: 0.000 min
Response: 46278136
Conc: 26.13 ng/ml



#2 Decachlorobiphenyl

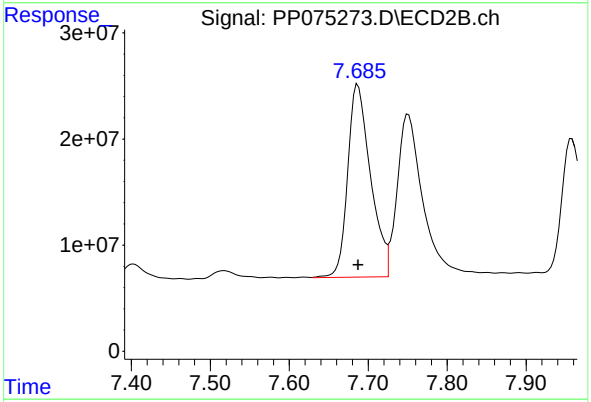
R.T.: 8.804 min
Delta R.T.: 0.000 min
Response: 303111015
Conc: 24.93 ng/ml



#41 AR-1268-1

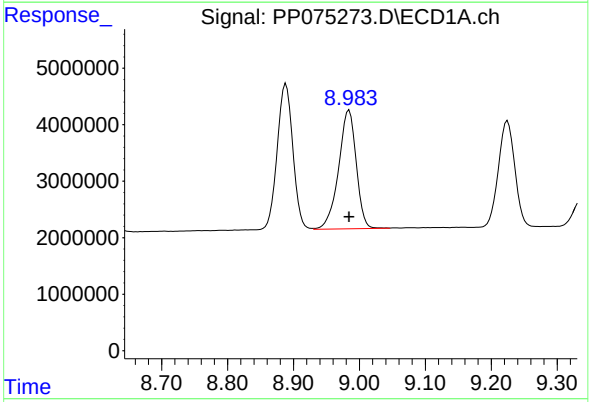
R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 42980575
Conc: 263.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



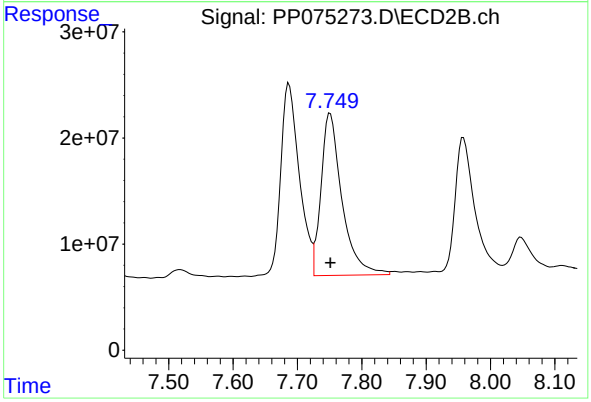
#41 AR-1268-1

R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 365177329
Conc: 243.70 ng/ml



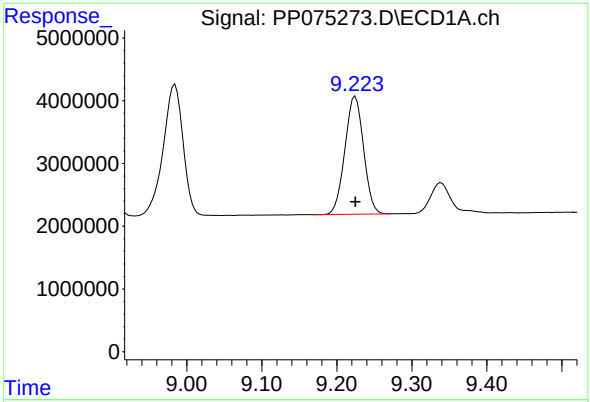
#42 AR-1268-2

R.T.: 8.984 min
Delta R.T.: 0.000 min
Response: 39128437
Conc: 260.66 ng/ml



#42 AR-1268-2

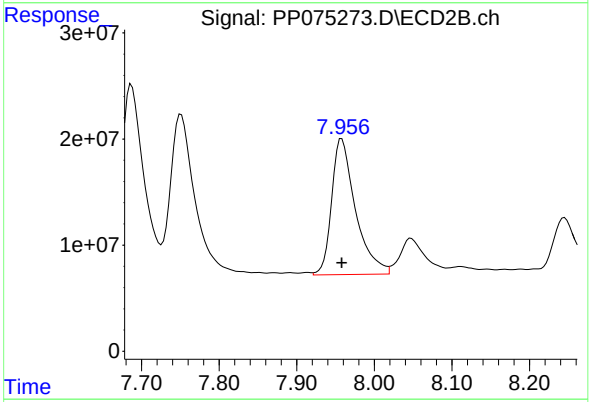
R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 345638504
Conc: 235.33 ng/ml



#43 AR-1268-3

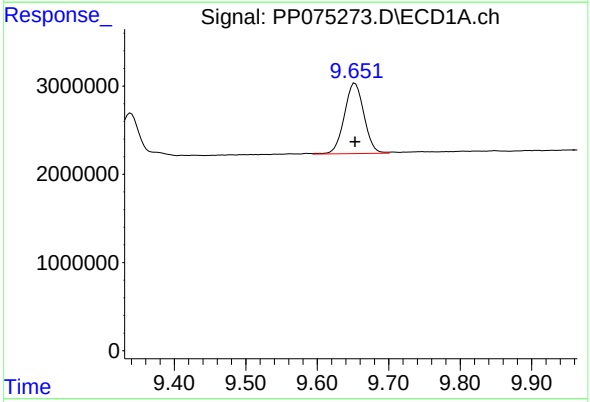
R.T.: 9.225 min
Delta R.T.: 0.000 min
Response: 32512368
Conc: 258.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



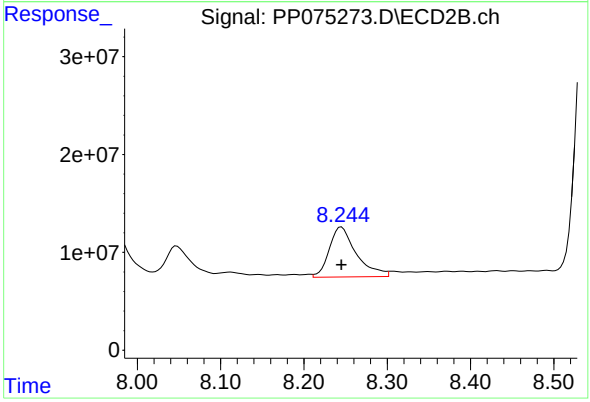
#43 AR-1268-3

R.T.: 7.958 min
Delta R.T.: 0.000 min
Response: 273482322
Conc: 238.58 ng/ml



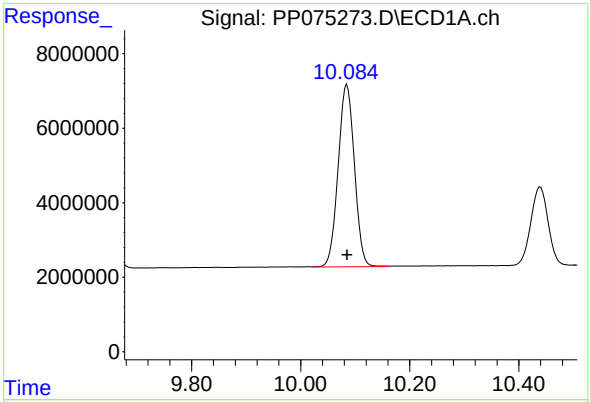
#44 AR-1268-4

R.T.: 9.653 min
Delta R.T.: 0.000 min
Response: 15247313
Conc: 257.01 ng/ml



#44 AR-1268-4

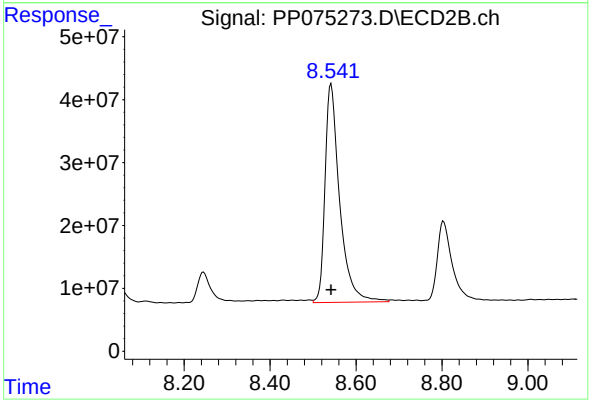
R.T.: 8.245 min
Delta R.T.: 0.000 min
Response: 115230714
Conc: 244.23 ng/ml



#45 AR-1268-5

R.T.: 10.085 min
Delta R.T.: 0.000 min
Response: 101295864
Conc: 257.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.542 min
Delta R.T.: 0.000 min
Response: 821277670
Conc: 256.82 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 17:14
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:35:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:35:25 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...	4.656	3.796	6162995	20516394	4.661	3.375m#
2)	SA Decachlor...	10.438	8.806	8054661	48956522	4.632	4.189
	Target Compounds						
41)	L9 AR-1268-1	8.887	7.689	7806652	60962197	48.257m	42.258
42)	L9 AR-1268-2	8.984	7.753	7067403	54955257	47.637	39.400
43)	L9 AR-1268-3	9.224	7.960	5848482	43468397	47.131	39.653m
44)	L9 AR-1268-4	9.653	8.247	3041493	18125694	51.009	40.754m
45)	L9 AR-1268-5	10.084	8.544	18331022	120.0E6	47.221	39.458m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 17:14
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

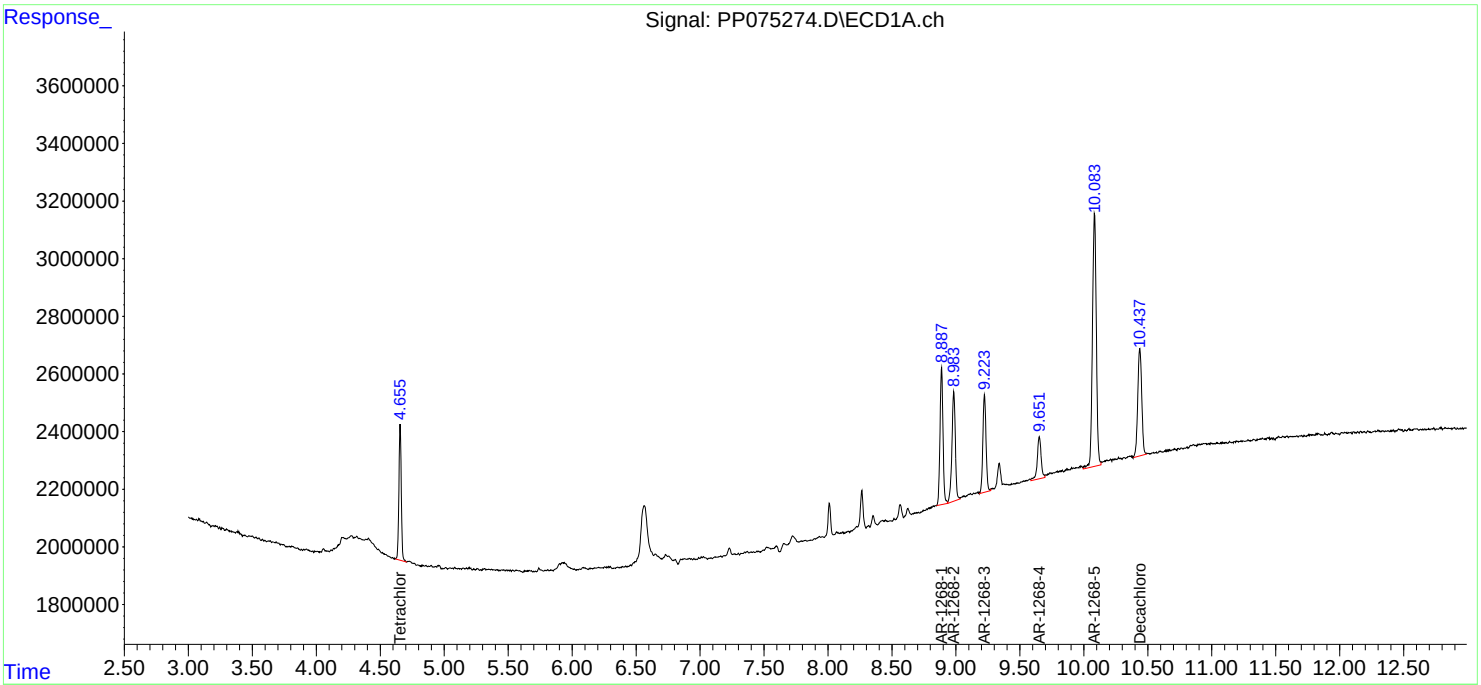
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

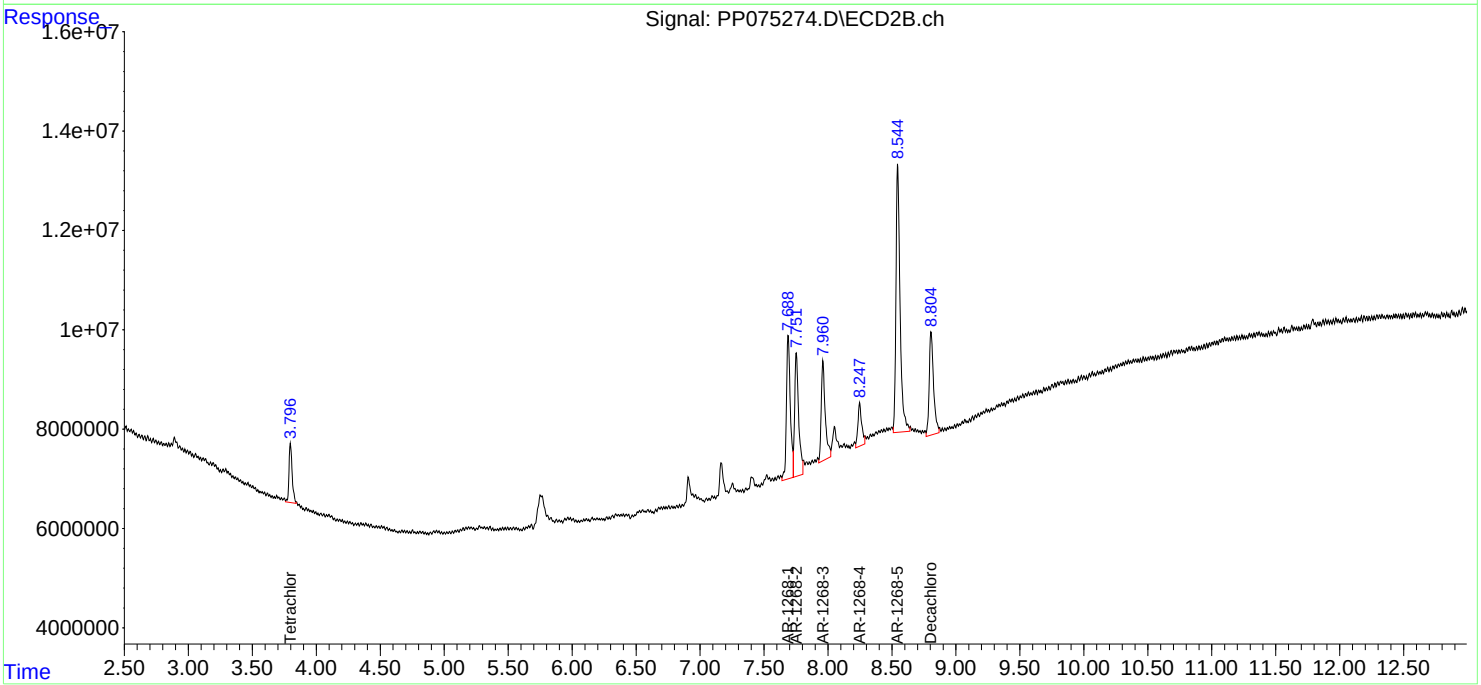
Manual Integrations APPROVED

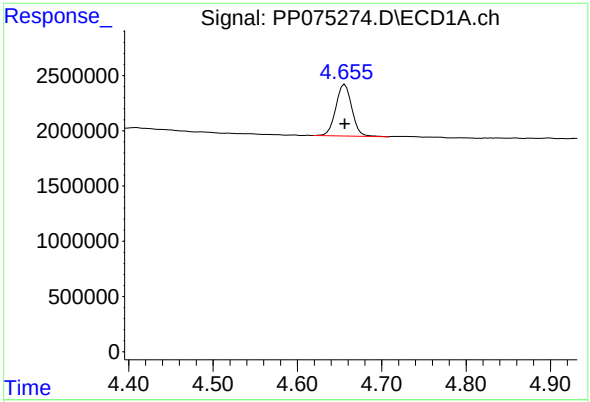
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:35:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:35:25 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







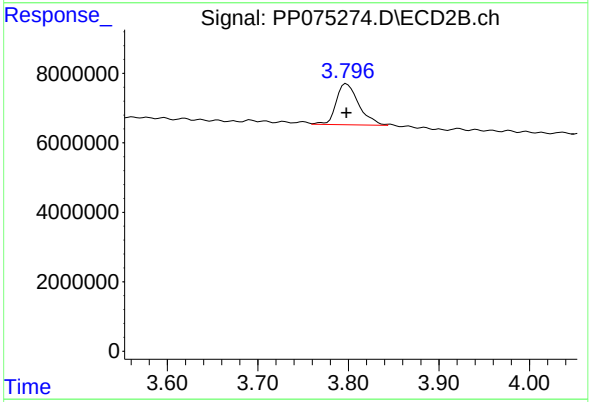
#1 Tetrachloro-m-xylene

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 6162995
Conc: 4.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

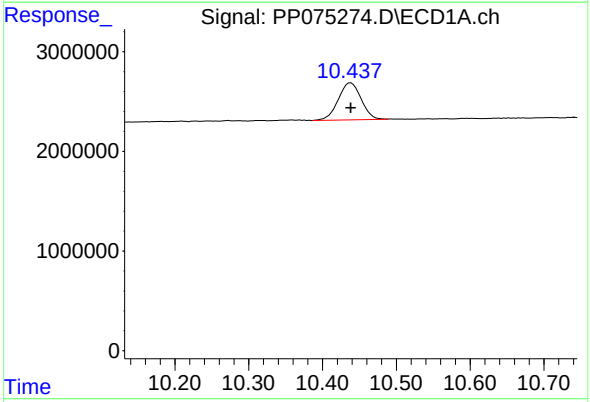
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



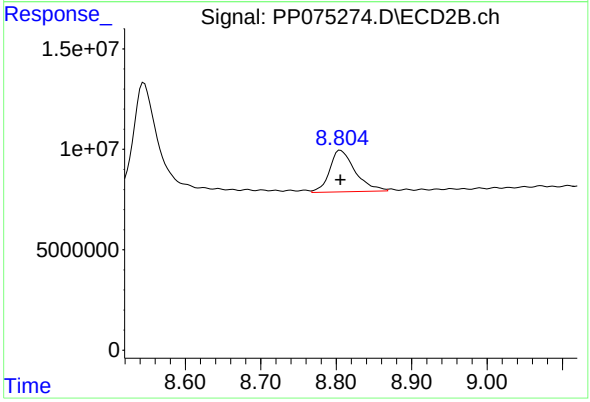
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: -0.001 min
Response: 20516394
Conc: 3.38 ng/ml m



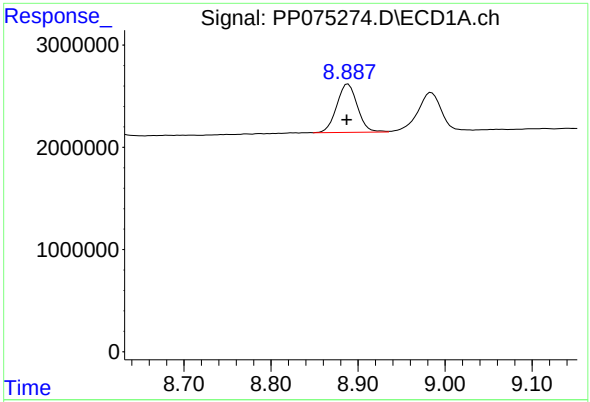
#2 Decachlorobiphenyl

R.T.: 10.438 min
Delta R.T.: 0.000 min
Response: 8054661
Conc: 4.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: 0.000 min
Response: 48956522
Conc: 4.19 ng/ml



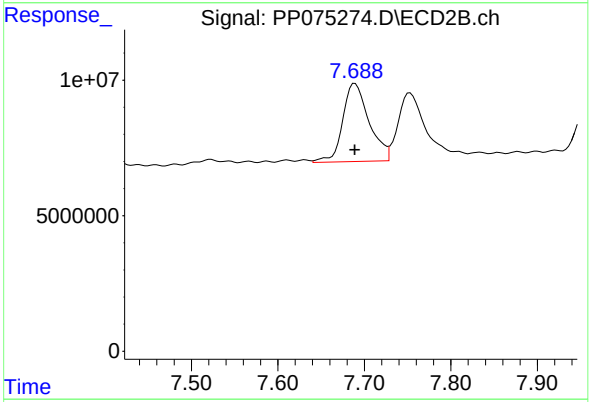
#41 AR-1268-1

R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 7806652
Conc: 48.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

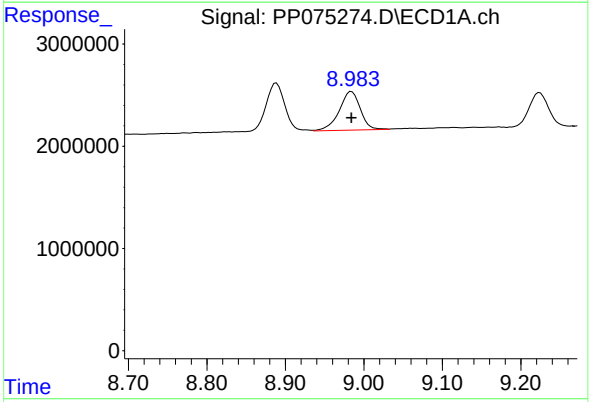
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



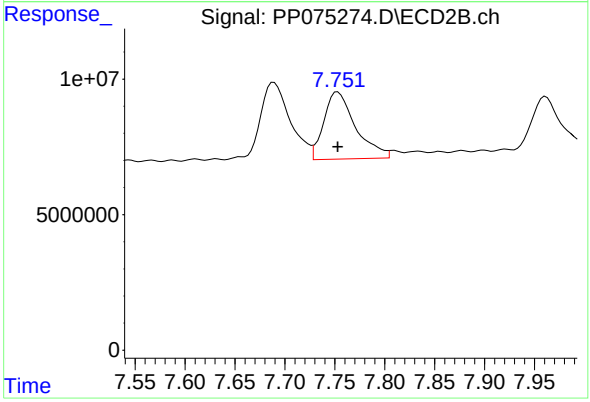
#41 AR-1268-1

R.T.: 7.689 min
Delta R.T.: 0.000 min
Response: 60962197
Conc: 42.26 ng/ml



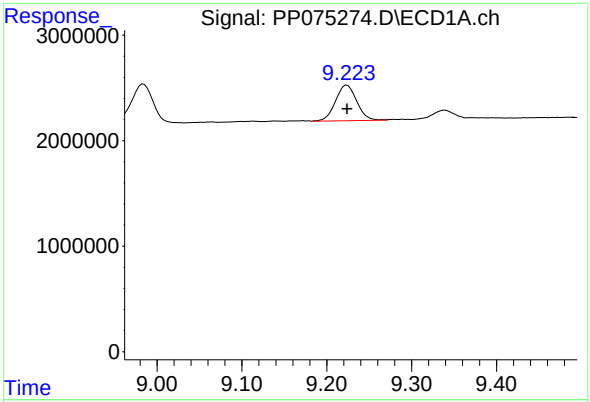
#42 AR-1268-2

R.T.: 8.984 min
Delta R.T.: 0.000 min
Response: 7067403
Conc: 47.64 ng/ml



#42 AR-1268-2

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 54955257
Conc: 39.40 ng/ml



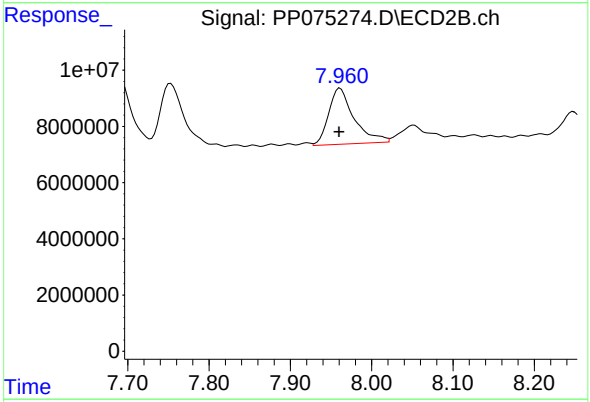
#43 AR-1268-3

R.T.: 9.224 min
Delta R.T.: 0.000 min
Response: 5848482
Conc: 47.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

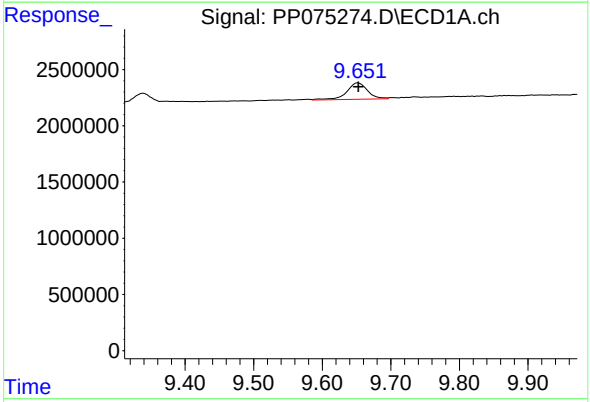
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



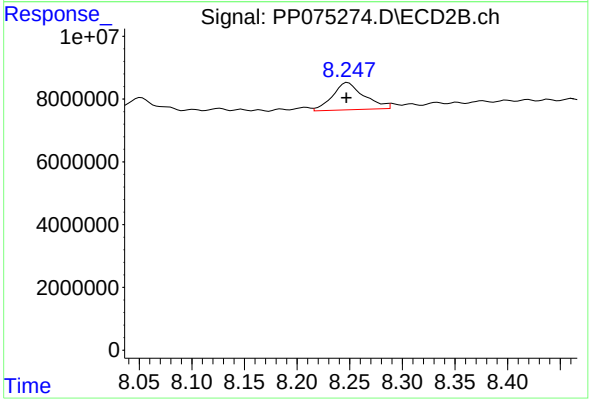
#43 AR-1268-3

R.T.: 7.960 min
Delta R.T.: 0.000 min
Response: 43468397
Conc: 39.65 ng/ml m



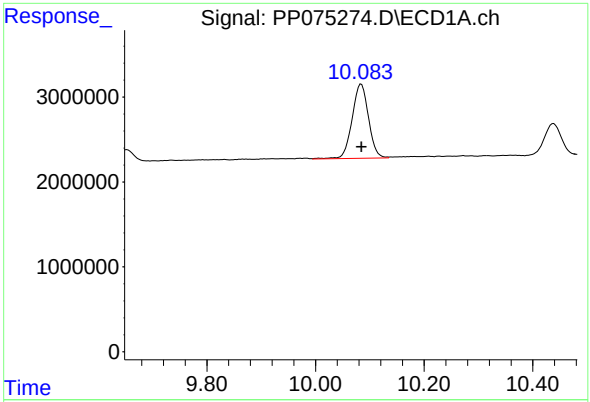
#44 AR-1268-4

R.T.: 9.653 min
Delta R.T.: 0.000 min
Response: 3041493
Conc: 51.01 ng/ml



#44 AR-1268-4

R.T.: 8.247 min
Delta R.T.: 0.000 min
Response: 18125694
Conc: 40.75 ng/ml m



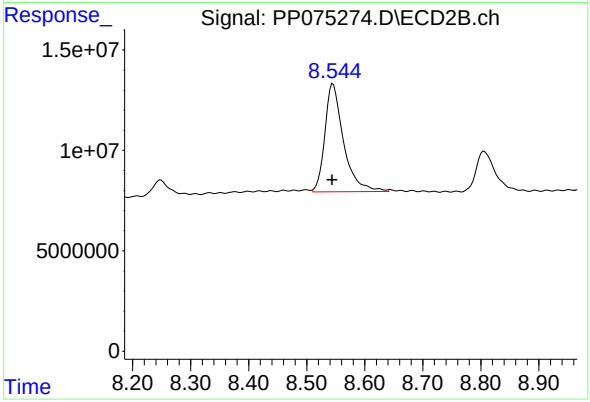
#45 AR-1268-5

R.T.: 10.084 min
Delta R.T.: 0.000 min
Response: 18331022
Conc: 47.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#45 AR-1268-5

R.T.: 8.544 min
Delta R.T.: 0.000 min
Response: 119998424
Conc: 39.46 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 17:46
Operator : YP\AJ
Sample : PP092325ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092325

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 18:28:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.663	3.799	70190259	330.4E6	53.643	54.154
2)	SA Decachlor...	10.445	8.804	53037838	358.3E6	53.168	59.392m
	Target Compounds						
3)	L1 AR-1016-1	5.815	4.896	25480532	304.2E6	529.688	542.185
4)	L1 AR-1016-2	5.836	4.953	36891066	135.1E6	514.315	525.487
5)	L1 AR-1016-3	5.899	5.073	23781479	76410296	511.091	492.118
6)	L1 AR-1016-4	5.996	5.114	19445011	76331861	545.646	519.377
7)	L1 AR-1016-5	6.289	5.328	18500980	85017958	548.644	520.362
31)	L7 AR-1260-1	7.406	6.357	33314276	213.7E6	554.134	526.554
32)	L7 AR-1260-2	7.659	6.543	39216271	298.7E6	538.700	518.643
33)	L7 AR-1260-3	8.017	6.697	31022586	223.0E6	572.952	520.892
34)	L7 AR-1260-4	8.245	7.166	33773955	216.2E6	597.376	501.440
35)	L7 AR-1260-5	8.571	7.405	61446307	573.0E6	559.578	544.665

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 17:46
Operator : YP\AJ
Sample : PP092325ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

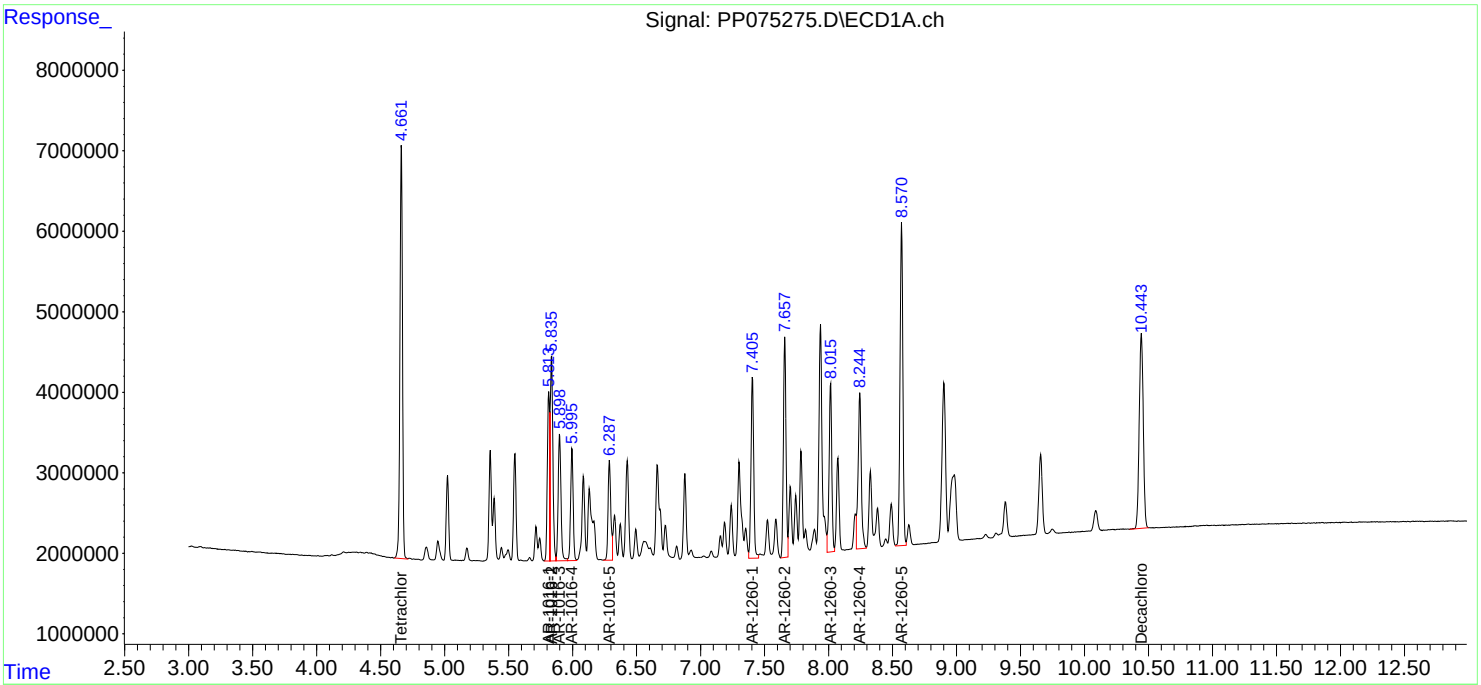
Instrument :
ECD_P
ClientSampleId :
ICVPP092325

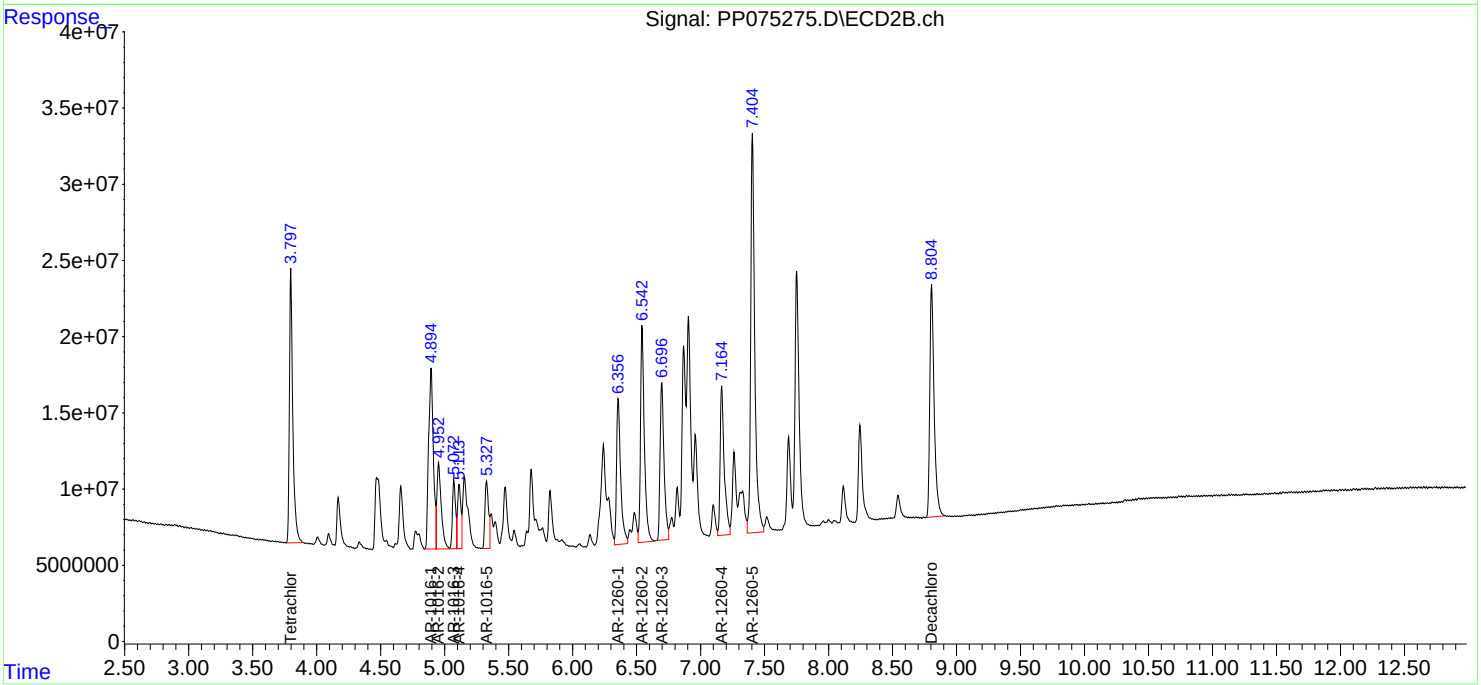
Manual Integrations APPROVED

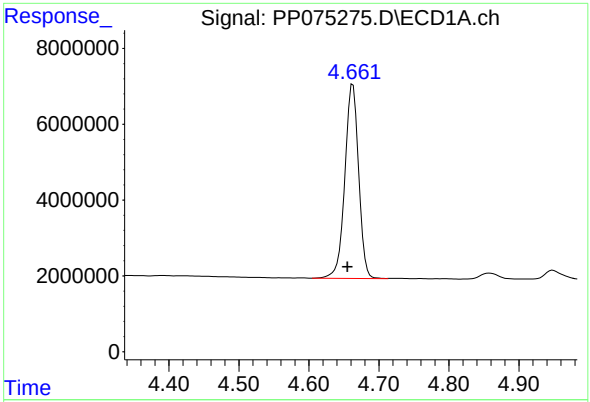
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 18:28:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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







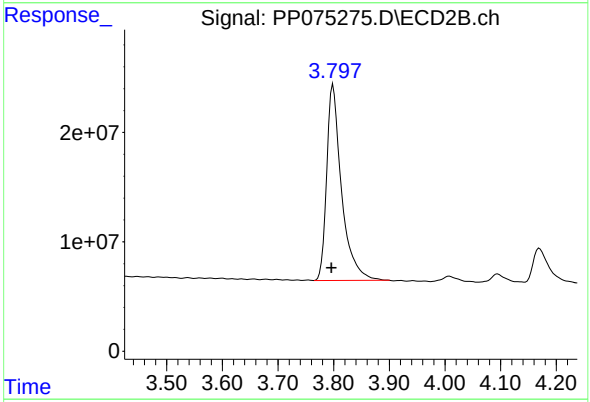
#1 Tetrachloro-m-xylene

R.T.: 4.663 min
Delta R.T.: 0.008 min
Response: 70190259
Conc: 53.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325

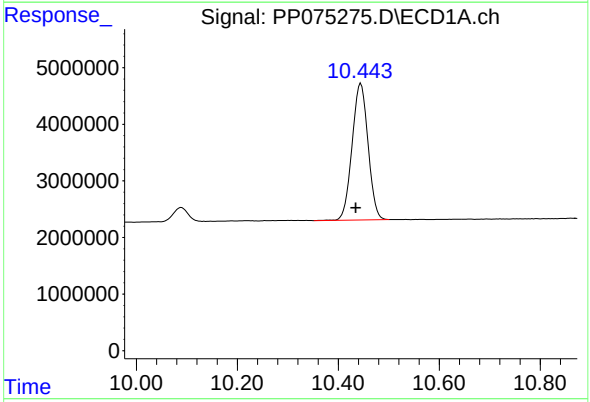
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



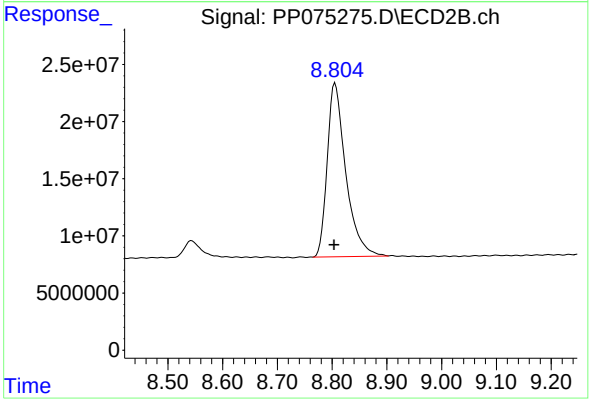
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.003 min
Response: 330389764
Conc: 54.15 ng/ml



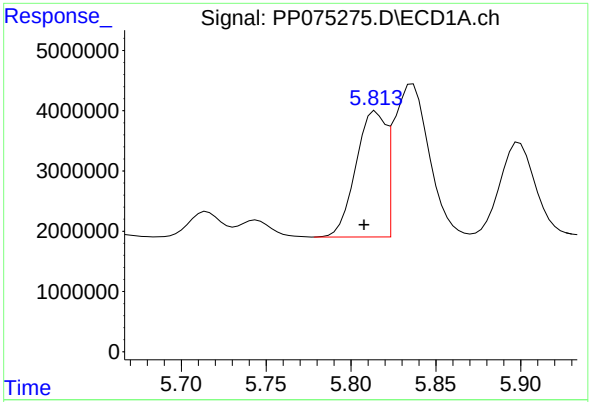
#2 Decachlorobiphenyl

R.T.: 10.445 min
Delta R.T.: 0.010 min
Response: 53037838
Conc: 53.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.804 min
Delta R.T.: 0.000 min
Response: 358284034
Conc: 59.39 ng/ml m



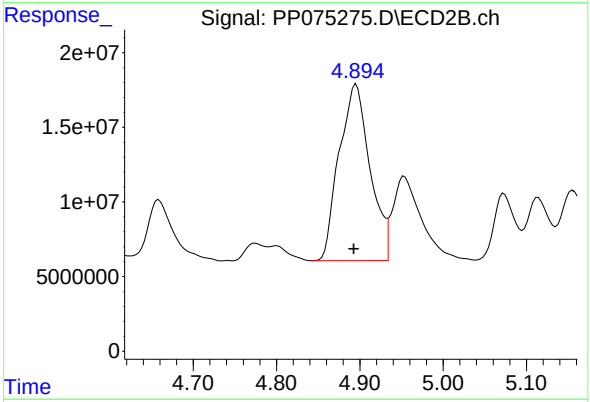
#3 AR-1016-1

R.T.: 5.815 min
Delta R.T.: 0.007 min
Response: 25480532
Conc: 529.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325

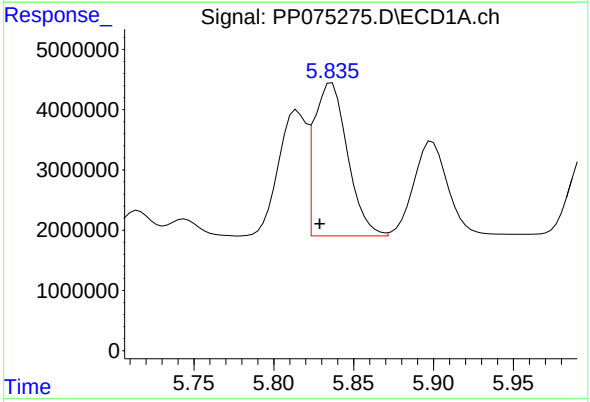
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



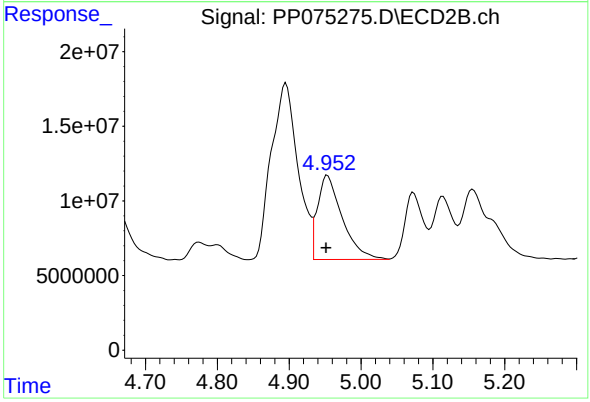
#3 AR-1016-1

R.T.: 4.896 min
Delta R.T.: 0.003 min
Response: 304173227
Conc: 542.19 ng/ml



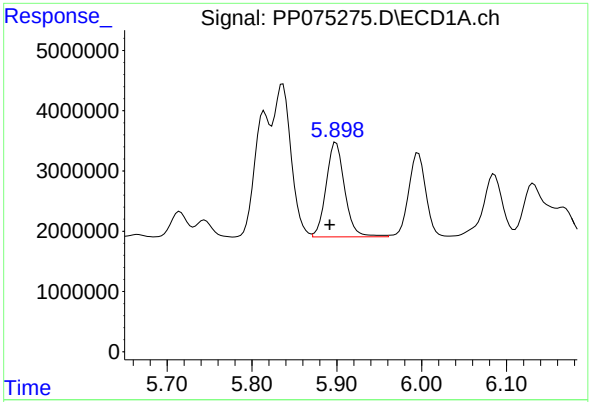
#4 AR-1016-2

R.T.: 5.836 min
Delta R.T.: 0.008 min
Response: 36891066
Conc: 514.31 ng/ml



#4 AR-1016-2

R.T.: 4.953 min
Delta R.T.: 0.002 min
Response: 135051180
Conc: 525.49 ng/ml



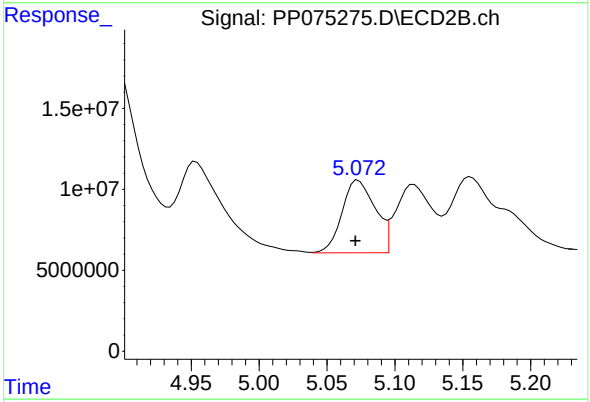
#5 AR-1016-3

R.T.: 5.899 min
Delta R.T.: 0.007 min
Response: 23781479
Conc: 511.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325

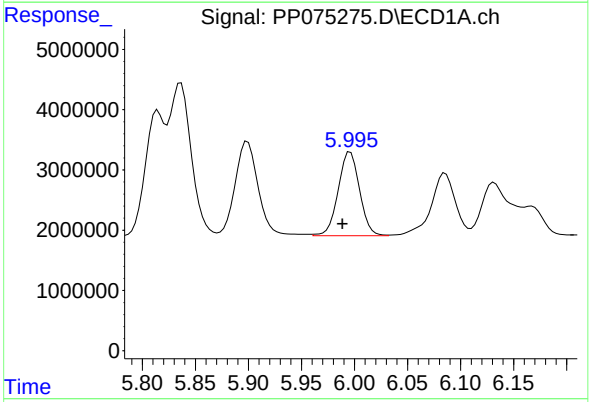
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



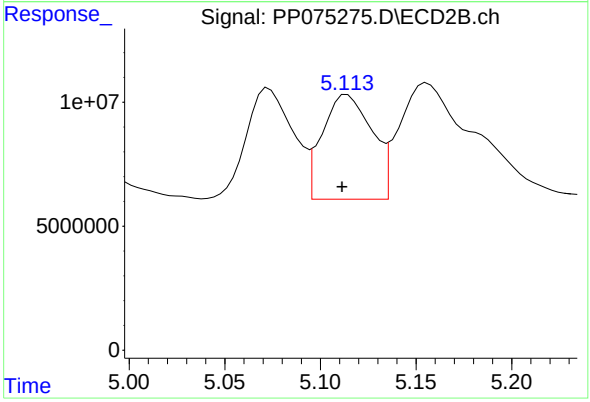
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.002 min
Response: 76410296
Conc: 492.12 ng/ml



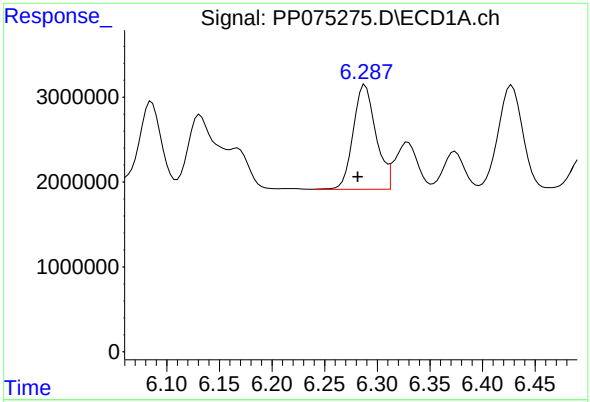
#6 AR-1016-4

R.T.: 5.996 min
Delta R.T.: 0.007 min
Response: 19445011
Conc: 545.65 ng/ml



#6 AR-1016-4

R.T.: 5.114 min
Delta R.T.: 0.003 min
Response: 76331861
Conc: 519.38 ng/ml



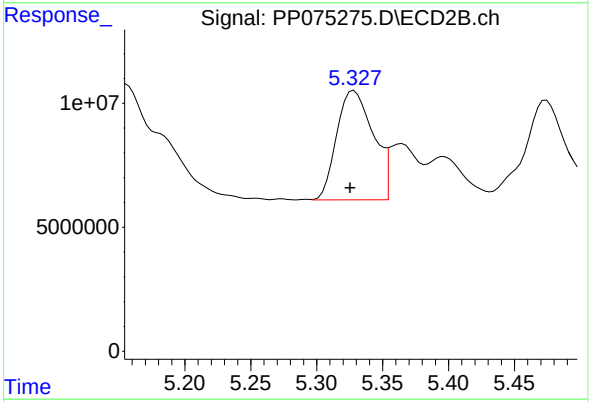
#7 AR-1016-5

R.T.: 6.289 min
Delta R.T.: 0.007 min
Response: 18500980
Conc: 548.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325

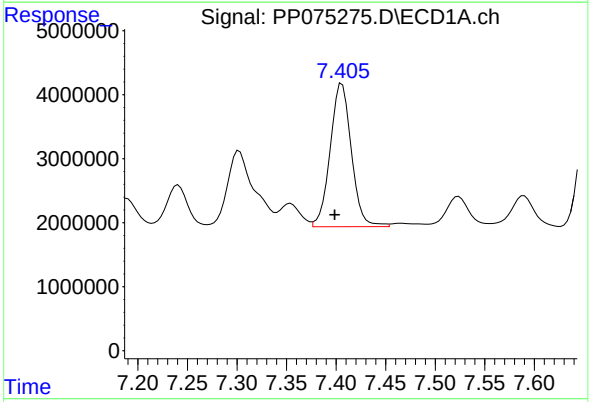
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



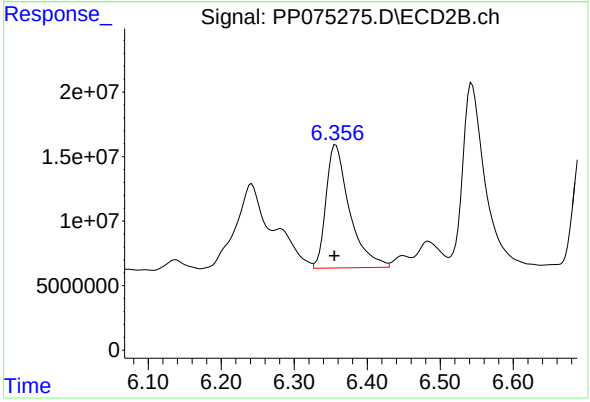
#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: 0.003 min
Response: 85017958
Conc: 520.36 ng/ml



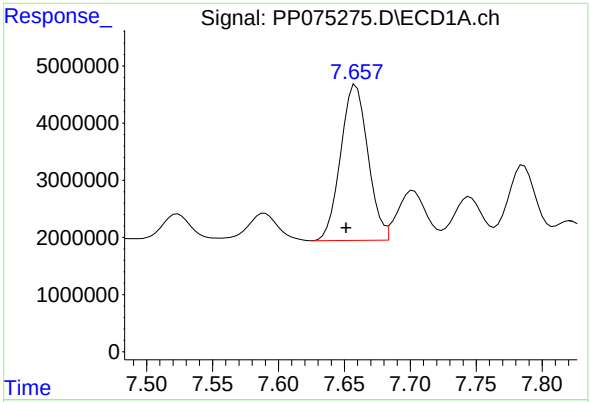
#31 AR-1260-1

R.T.: 7.406 min
Delta R.T.: 0.007 min
Response: 33314276
Conc: 554.13 ng/ml



#31 AR-1260-1

R.T.: 6.357 min
Delta R.T.: 0.002 min
Response: 213746874
Conc: 526.55 ng/ml



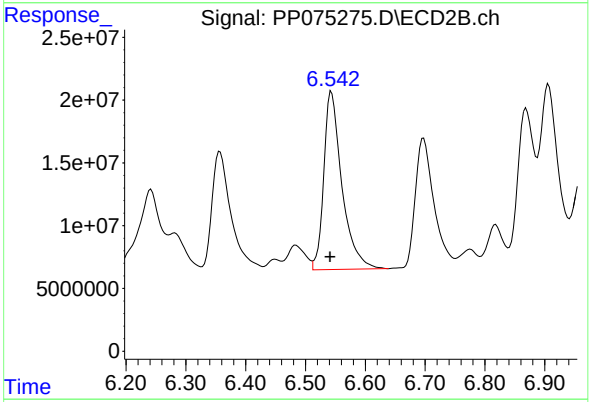
#32 AR-1260-2

R.T.: 7.659 min
Delta R.T.: 0.007 min
Response: 39216271
Conc: 538.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325

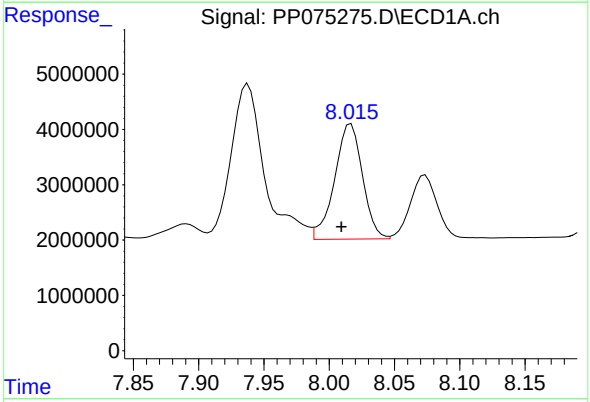
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



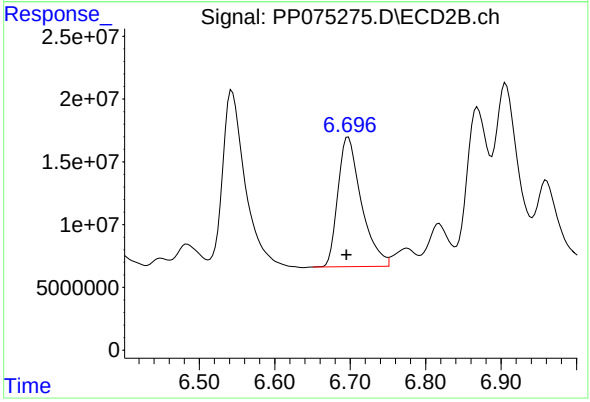
#32 AR-1260-2

R.T.: 6.543 min
Delta R.T.: 0.002 min
Response: 298650131
Conc: 518.64 ng/ml



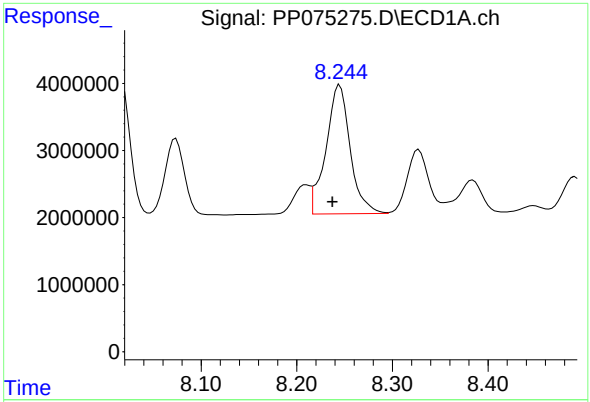
#33 AR-1260-3

R.T.: 8.017 min
Delta R.T.: 0.007 min
Response: 31022586
Conc: 572.95 ng/ml



#33 AR-1260-3

R.T.: 6.697 min
Delta R.T.: 0.002 min
Response: 222985953
Conc: 520.89 ng/ml



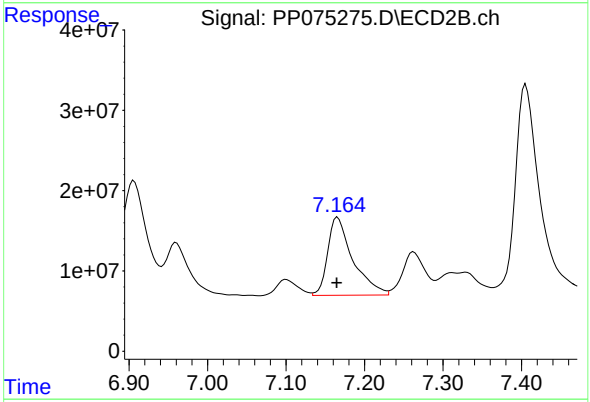
#34 AR-1260-4

R.T.: 8.245 min
Delta R.T.: 0.008 min
Response: 33773955
Conc: 597.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325

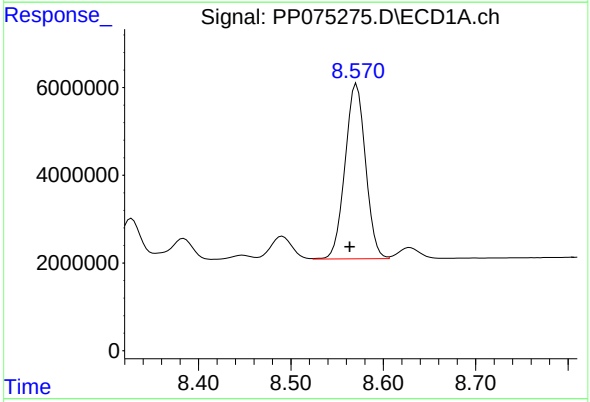
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



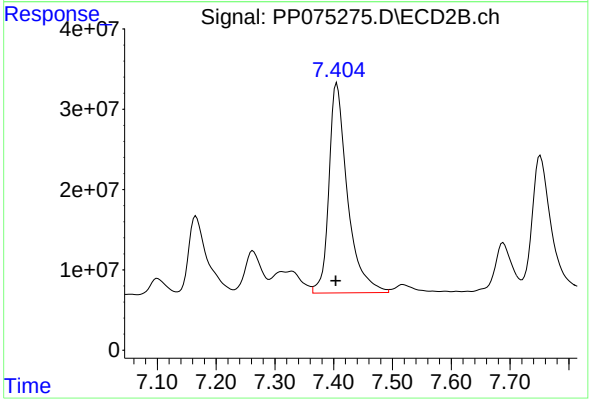
#34 AR-1260-4

R.T.: 7.166 min
Delta R.T.: 0.000 min
Response: 216232762
Conc: 501.44 ng/ml



#35 AR-1260-5

R.T.: 8.571 min
Delta R.T.: 0.008 min
Response: 61446307
Conc: 559.58 ng/ml



#35 AR-1260-5

R.T.: 7.405 min
Delta R.T.: 0.002 min
Response: 572980909
Conc: 544.66 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 18:35
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1242

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:35:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.799	69296262	322.8E6	52.959	52.905
2)	SA Decachlor...	10.440	8.803	52620761	359.1E6	52.750	59.525m
	Target Compounds						
16)	L4 AR-1242-1	5.812	4.896	21512826	253.0E6	516.394	541.693
17)	L4 AR-1242-2	5.834	4.954	31427273	115.0E6	526.973	550.426
18)	L4 AR-1242-3	5.897	5.074	20323849	64997022	502.739	532.921
19)	L4 AR-1242-4	5.993	5.155	16403438	83515061	521.837	524.950m
20)	L4 AR-1242-5	6.723	5.676	18943732	103.0E6	538.853	528.983

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 18:35
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

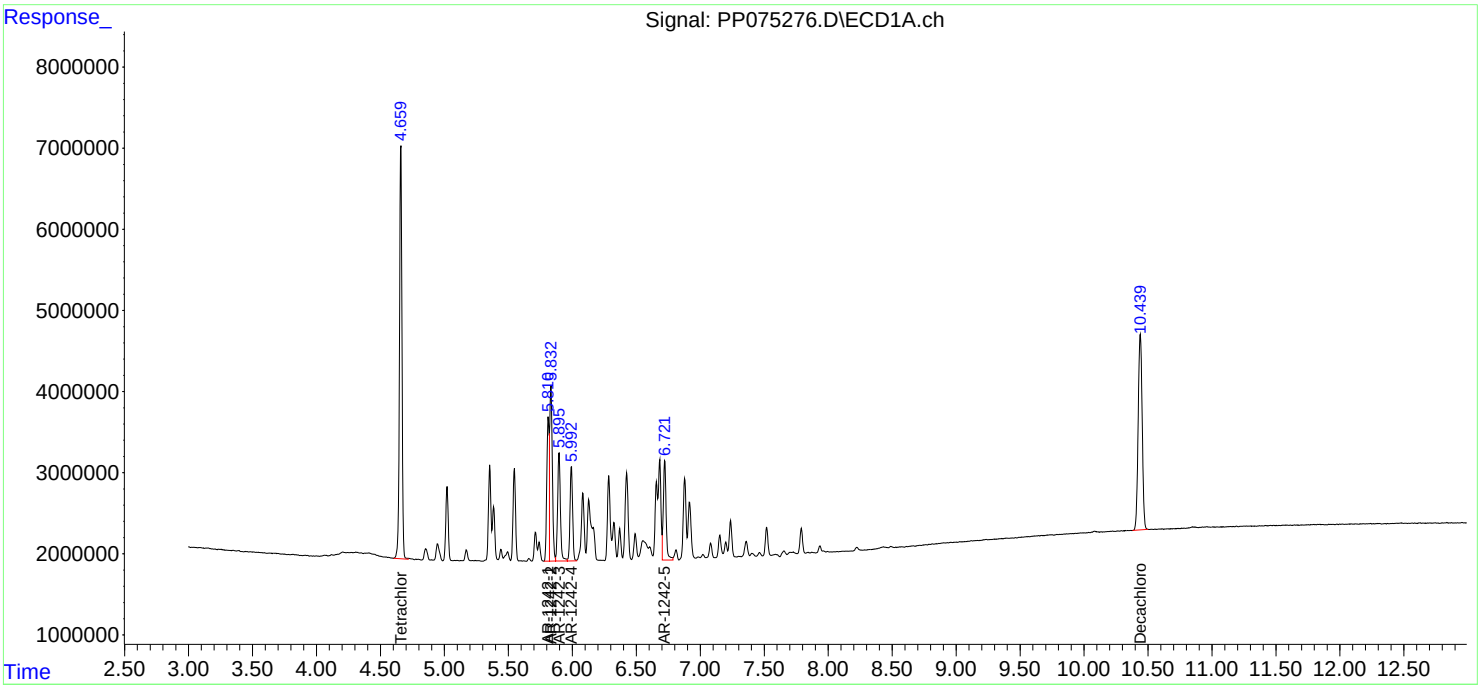
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1242

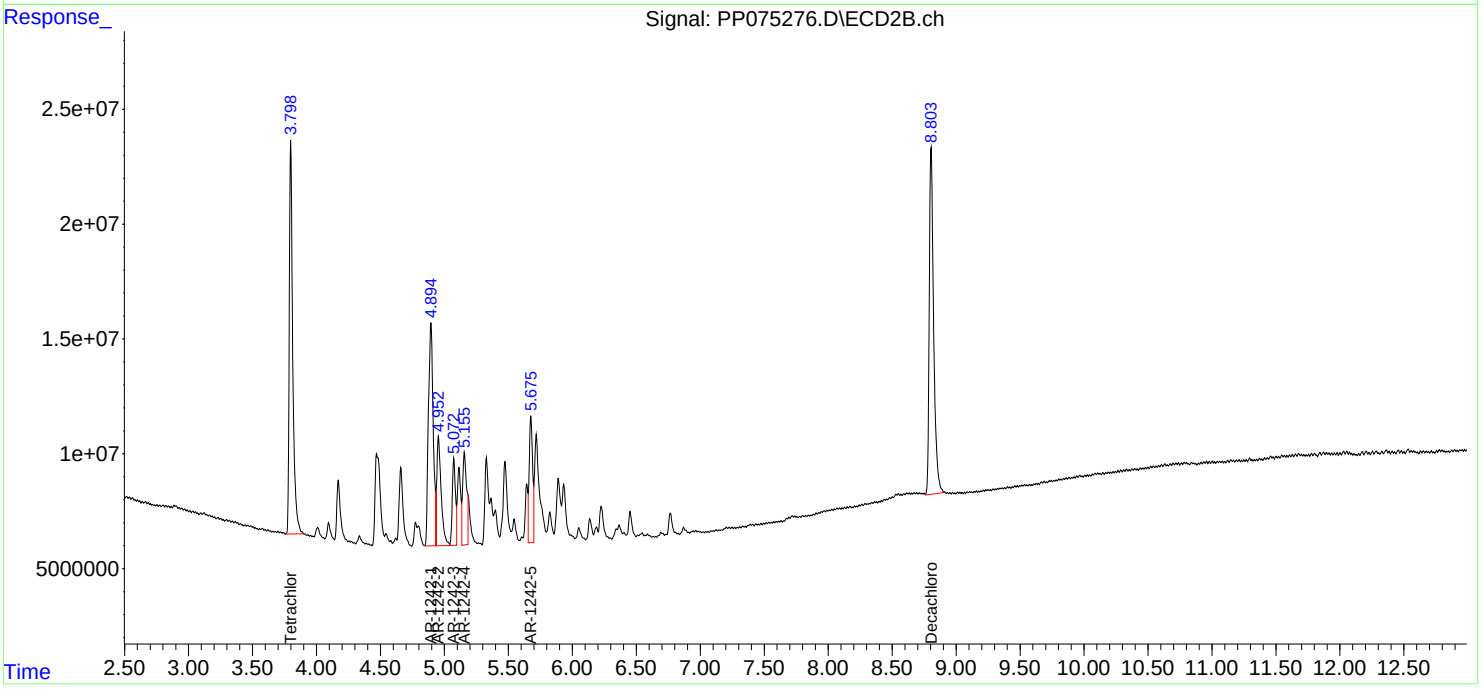
Manual Integrations APPROVED

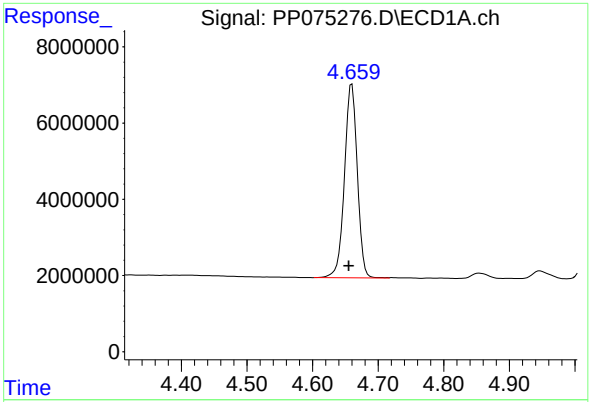
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:35:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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







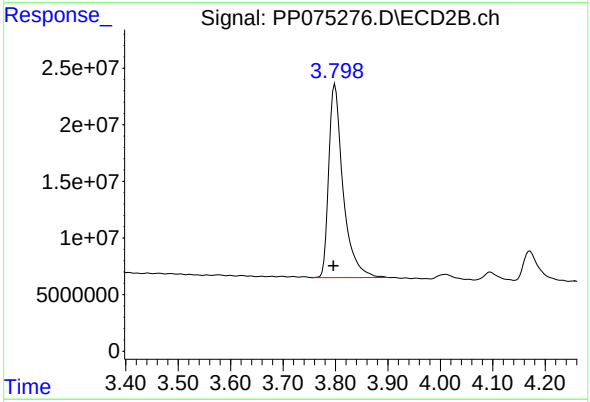
#1 Tetrachloro-m-xylene

R.T.: 4.660 min
Delta R.T.: 0.005 min
Response: 69296262
Conc: 52.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1242

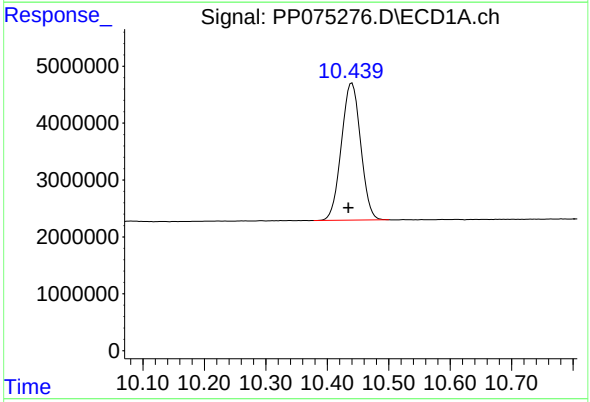
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



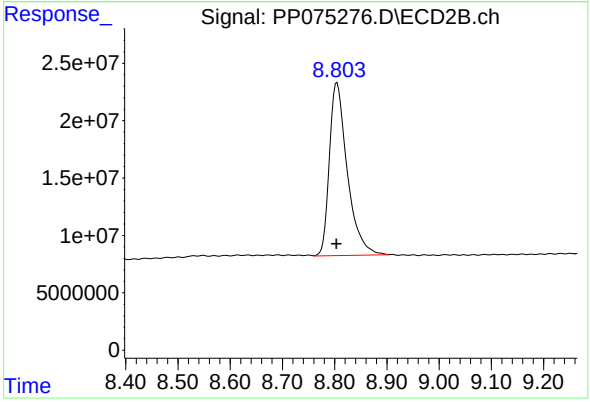
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.003 min
Response: 322766613
Conc: 52.90 ng/ml



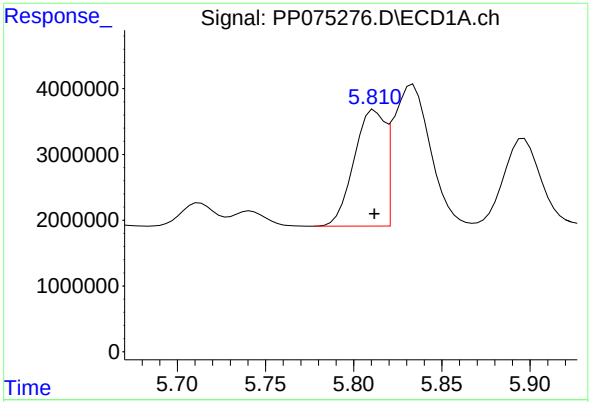
#2 Decachlorobiphenyl

R.T.: 10.440 min
Delta R.T.: 0.006 min
Response: 52620761
Conc: 52.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 359083335
Conc: 59.52 ng/ml m



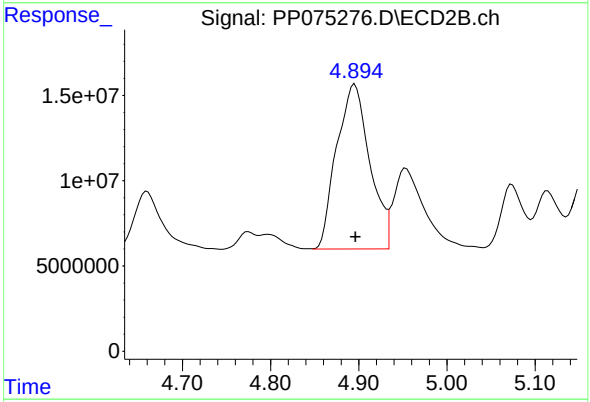
#16 AR-1242-1

R.T.: 5.812 min
Delta R.T.: 0.000 min
Response: 21512826
Conc: 516.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1242

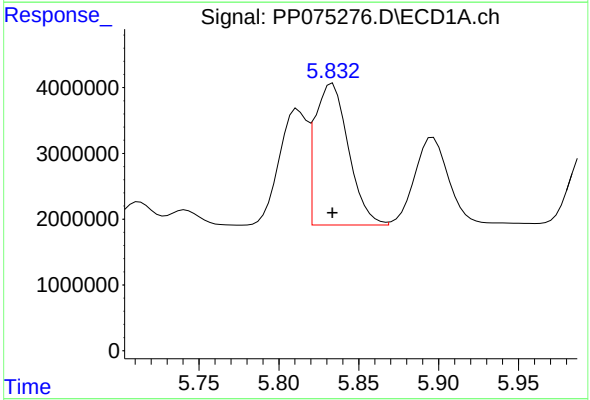
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



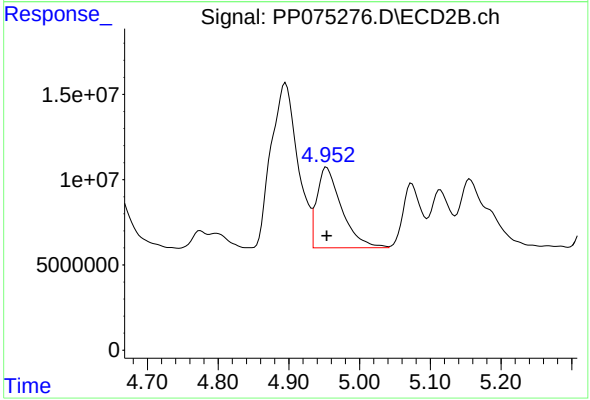
#16 AR-1242-1

R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 253035792
Conc: 541.69 ng/ml



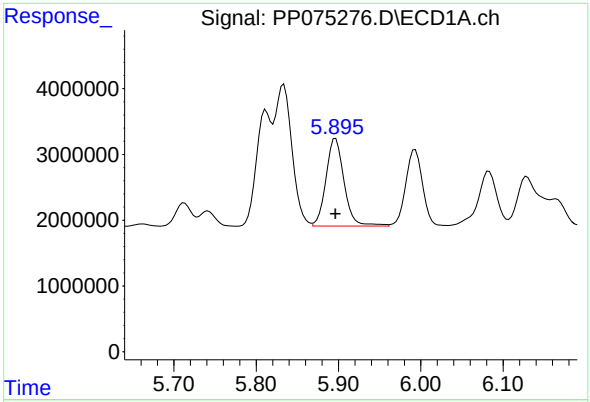
#17 AR-1242-2

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 31427273
Conc: 526.97 ng/ml



#17 AR-1242-2

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 115015732
Conc: 550.43 ng/ml



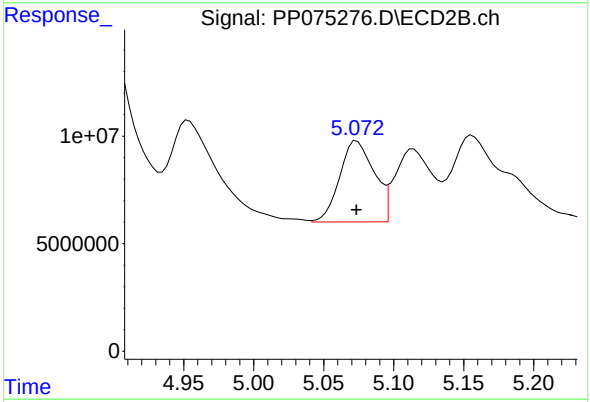
#18 AR-1242-3

R.T.: 5.897 min
Delta R.T.: 0.000 min
Response: 20323849
Conc: 502.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1242

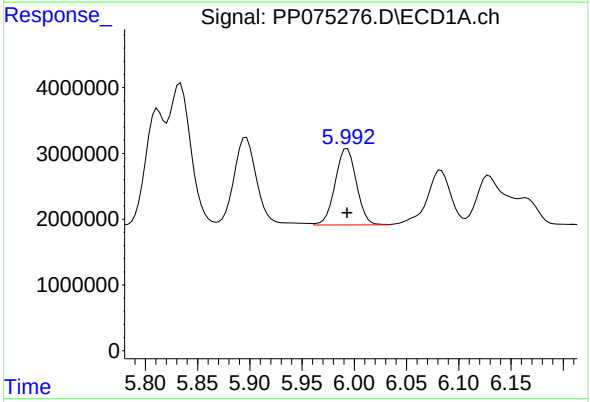
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



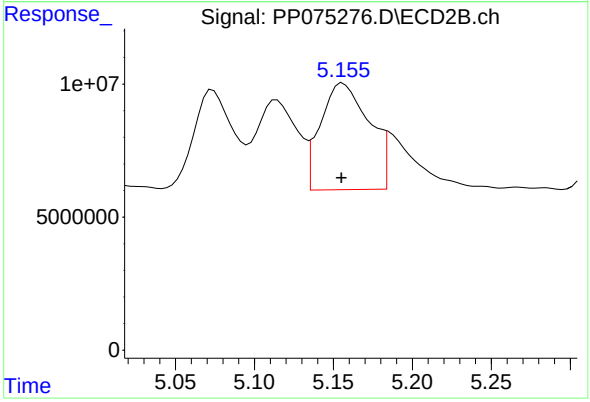
#18 AR-1242-3

R.T.: 5.074 min
Delta R.T.: 0.000 min
Response: 64997022
Conc: 532.92 ng/ml



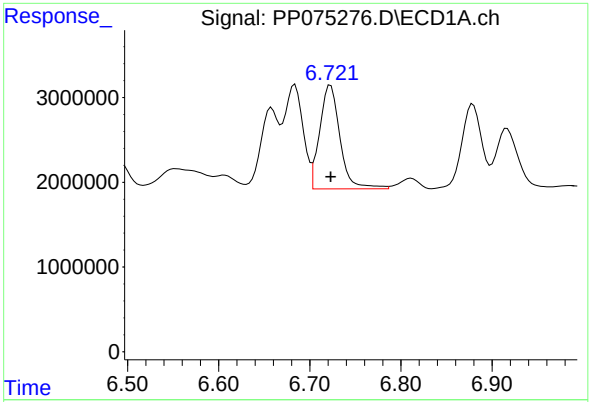
#19 AR-1242-4

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 16403438
Conc: 521.84 ng/ml



#19 AR-1242-4

R.T.: 5.155 min
Delta R.T.: 0.000 min
Response: 83515061
Conc: 524.95 ng/ml m



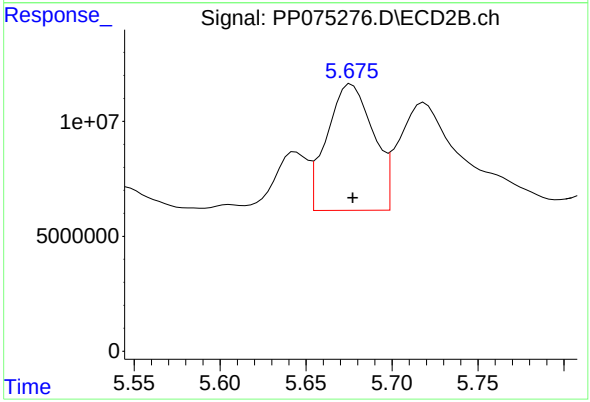
#20 AR-1242-5

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 18943732
Conc: 538.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1242

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#20 AR-1242-5

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 102984369
Conc: 528.98 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:08
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1248

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:30:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.798	67690061	321.9E6	51.732	52.757
2)	SA Decachlor...	10.441	8.804	52715950	361.4E6	52.846	59.916m
	Target Compounds						
21)	L5 AR-1248-1	5.811	4.894	16390127	167.0E6	519.336	555.702
22)	L5 AR-1248-2	6.082	5.114	22503142	105.0E6	518.888	518.581
23)	L5 AR-1248-3	6.285	5.154	25155093	135.3E6	526.712	541.550m
24)	L5 AR-1248-4	6.683	5.327	30695144	119.4E6	519.272	513.196
25)	L5 AR-1248-5	6.723	5.718	29807919	227.8E6	504.369	557.543

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:08
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 17 Sample Multiplier: 1

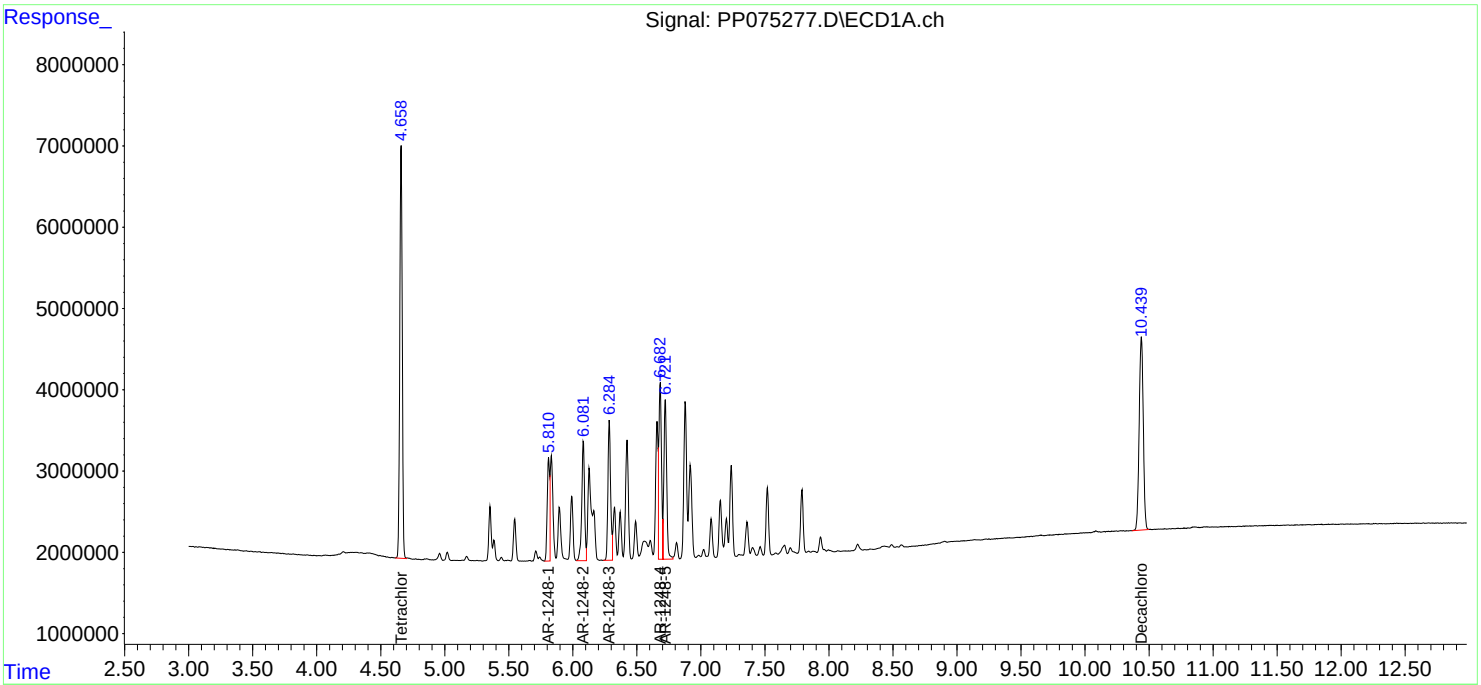
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1248

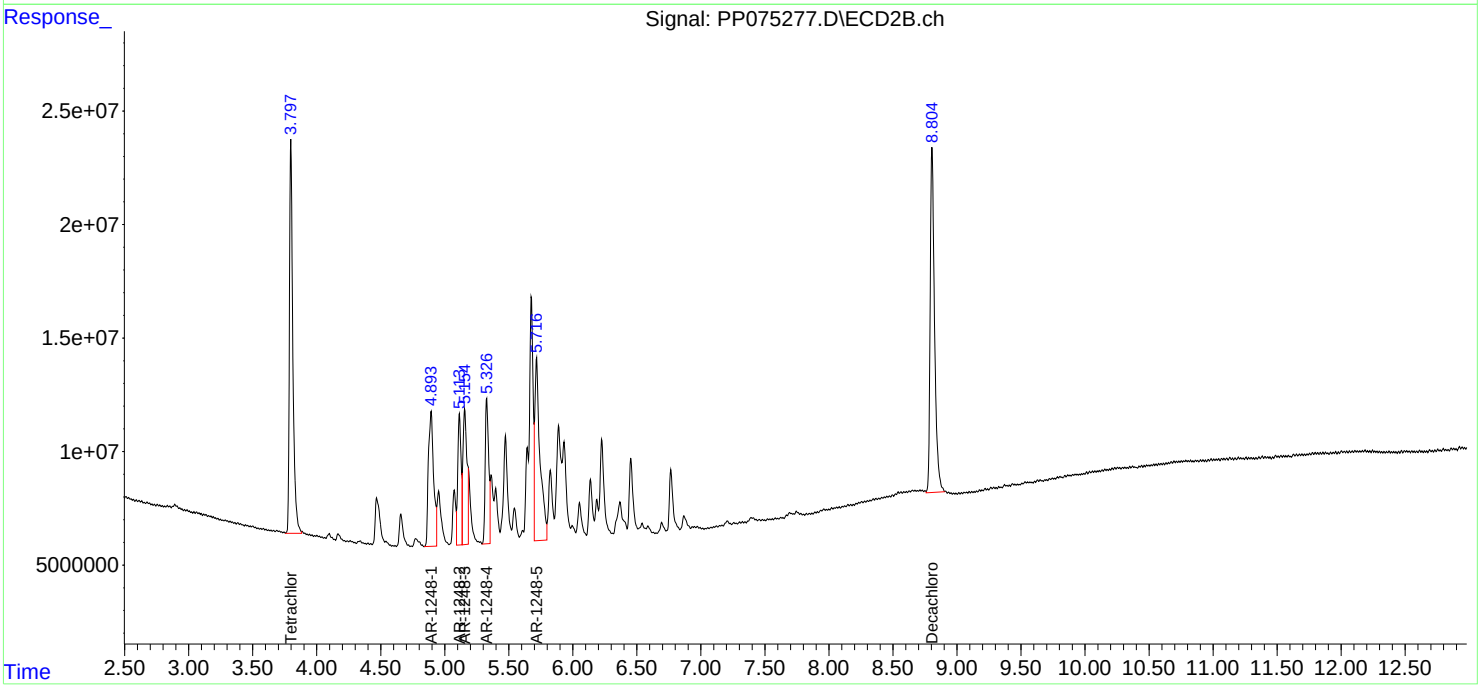
Manual Integrations APPROVED

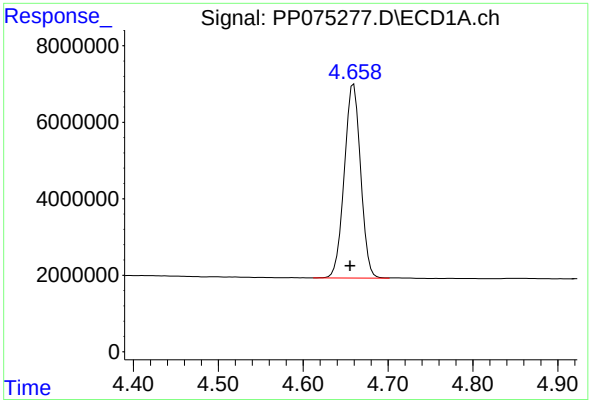
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:30:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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







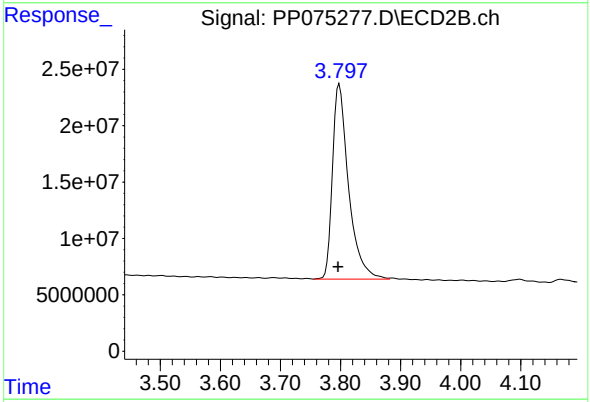
#1 Tetrachloro-m-xylene

R.T.: 4.660 min
Delta R.T.: 0.005 min
Response: 67690061
Conc: 51.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1248

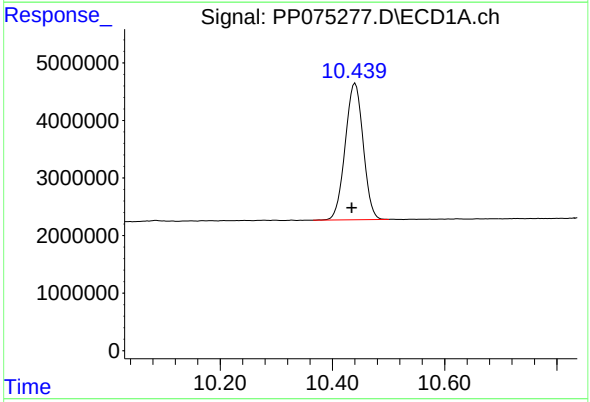
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



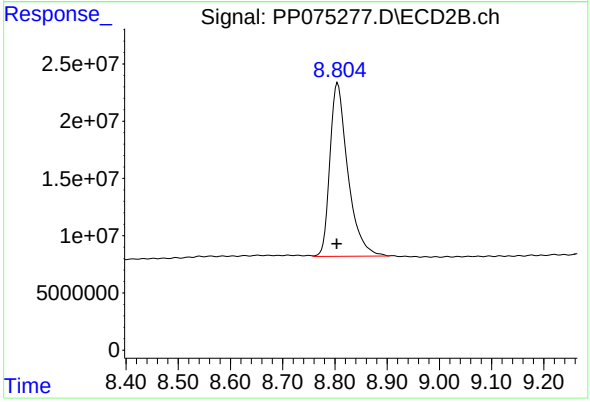
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.002 min
Response: 321866586
Conc: 52.76 ng/ml



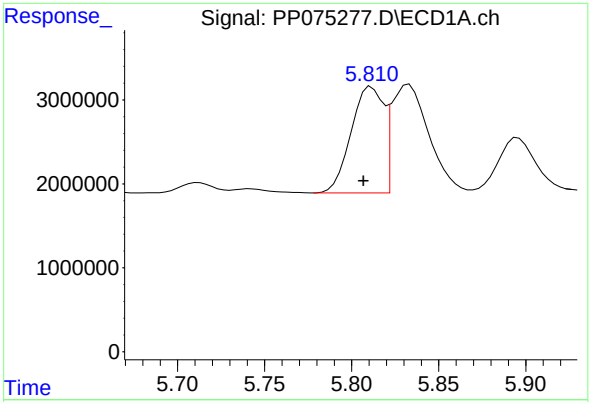
#2 Decachlorobiphenyl

R.T.: 10.441 min
Delta R.T.: 0.006 min
Response: 52715950
Conc: 52.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.804 min
Delta R.T.: 0.000 min
Response: 361445303
Conc: 59.92 ng/ml m



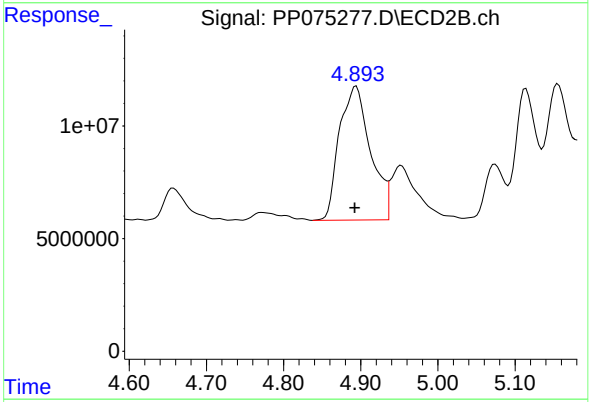
#21 AR-1248-1

R.T.: 5.811 min
Delta R.T.: 0.005 min
Response: 16390127
Conc: 519.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1248

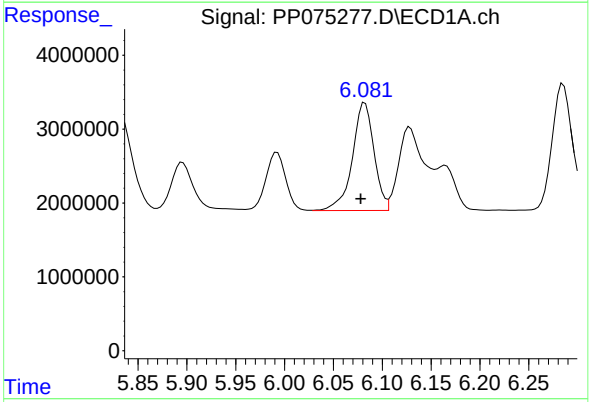
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



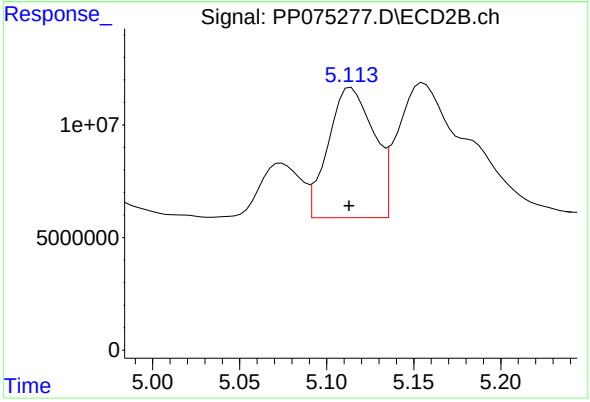
#21 AR-1248-1

R.T.: 4.894 min
Delta R.T.: 0.002 min
Response: 166969869
Conc: 555.70 ng/ml



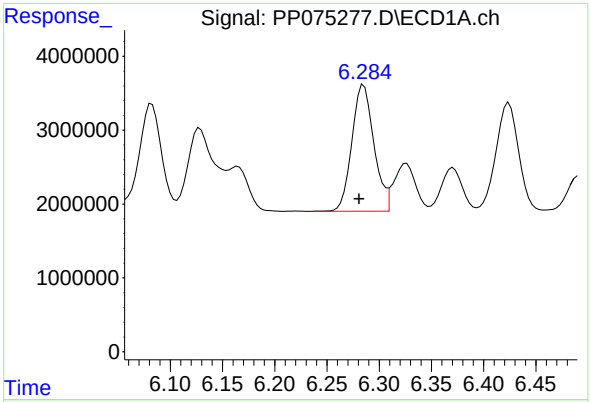
#22 AR-1248-2

R.T.: 6.082 min
Delta R.T.: 0.004 min
Response: 22503142
Conc: 518.89 ng/ml



#22 AR-1248-2

R.T.: 5.114 min
Delta R.T.: 0.001 min
Response: 105001722
Conc: 518.58 ng/ml



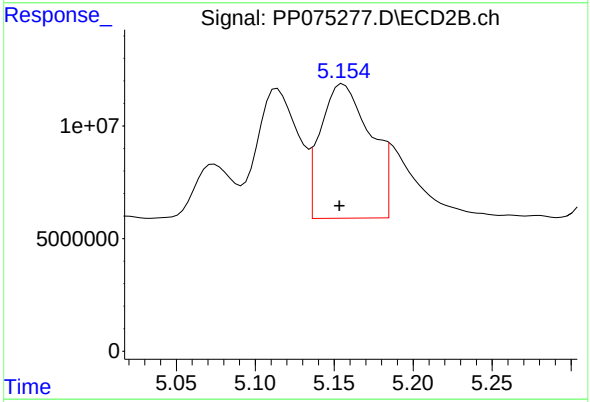
#23 AR-1248-3

R.T.: 6.285 min
Delta R.T.: 0.004 min
Response: 25155093
Conc: 526.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1248

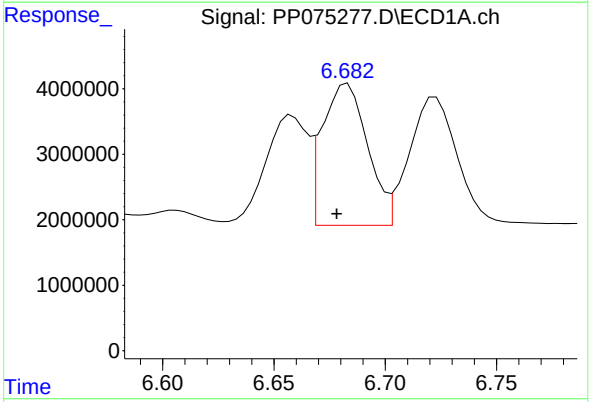
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



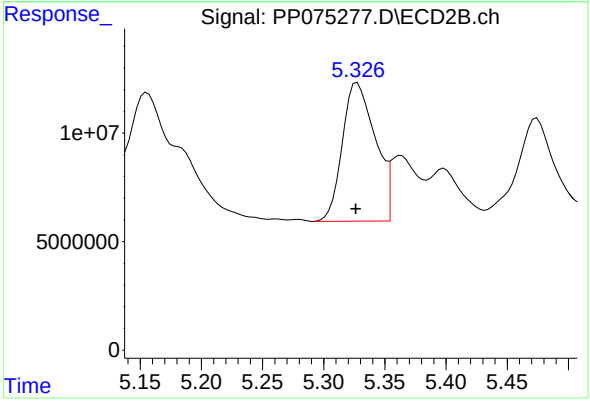
#23 AR-1248-3

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 135250085
Conc: 541.55 ng/ml m



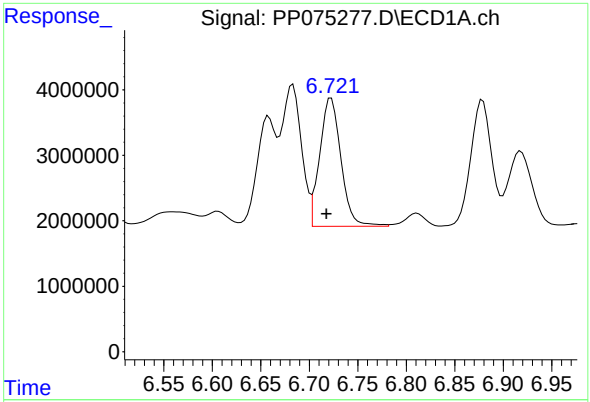
#24 AR-1248-4

R.T.: 6.683 min
Delta R.T.: 0.005 min
Response: 30695144
Conc: 519.27 ng/ml



#24 AR-1248-4

R.T.: 5.327 min
Delta R.T.: 0.001 min
Response: 119442983
Conc: 513.20 ng/ml



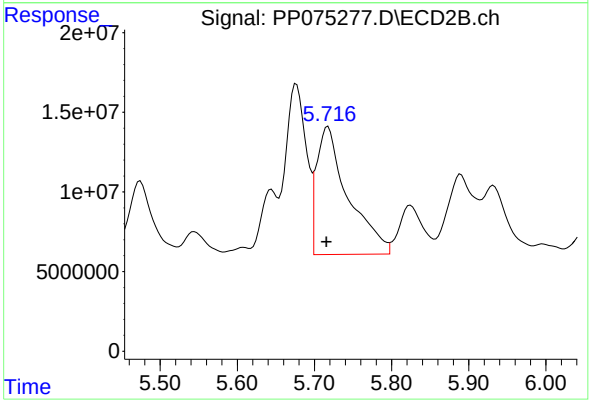
#25 AR-1248-5

R.T.: 6.723 min
Delta R.T.: 0.005 min
Response: 29807919
Conc: 504.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1248

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#25 AR-1248-5

R.T.: 5.718 min
Delta R.T.: 0.002 min
Response: 227795946
Conc: 557.54 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:40
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1254

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 05:12:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 05:07:55 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...	4.660	3.799	68095844	321.3E6	52.042	52.664
2)	SA Decachlor...	10.441	8.804	51811352	358.5E6	51.939	59.429m
	Target Compounds						
26)	L6 AR-1254-1	6.659	5.678	28467743	276.6E6	443.257m	554.578 #
27)	L6 AR-1254-2	6.876	5.826	43938129	209.1E6	511.302	523.737
28)	L6 AR-1254-3	7.238	6.227	46807513	363.2E6	506.453	546.317
29)	L6 AR-1254-4	7.520	6.454	36595686	272.7E6	512.909	552.441
30)	L6 AR-1254-5	7.936	6.870	43699326	290.3E6	534.174	508.619

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:40
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

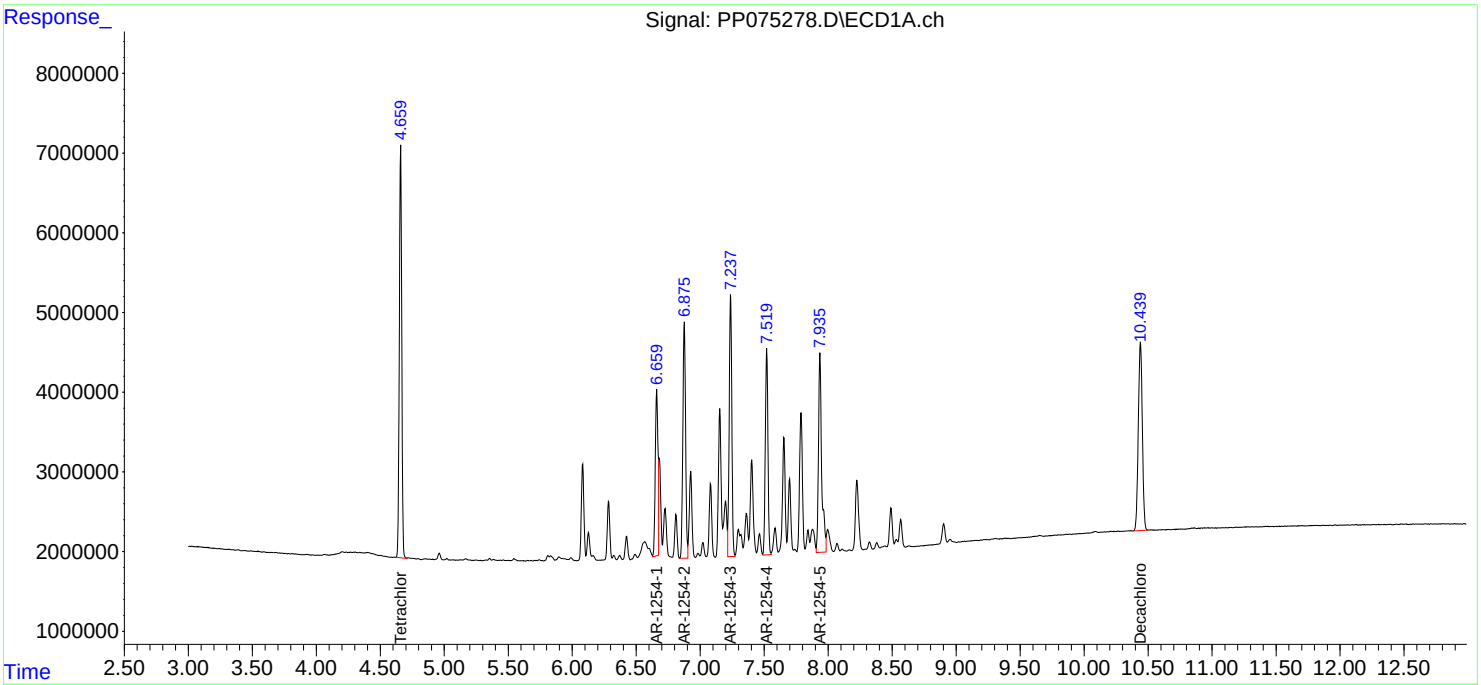
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1254

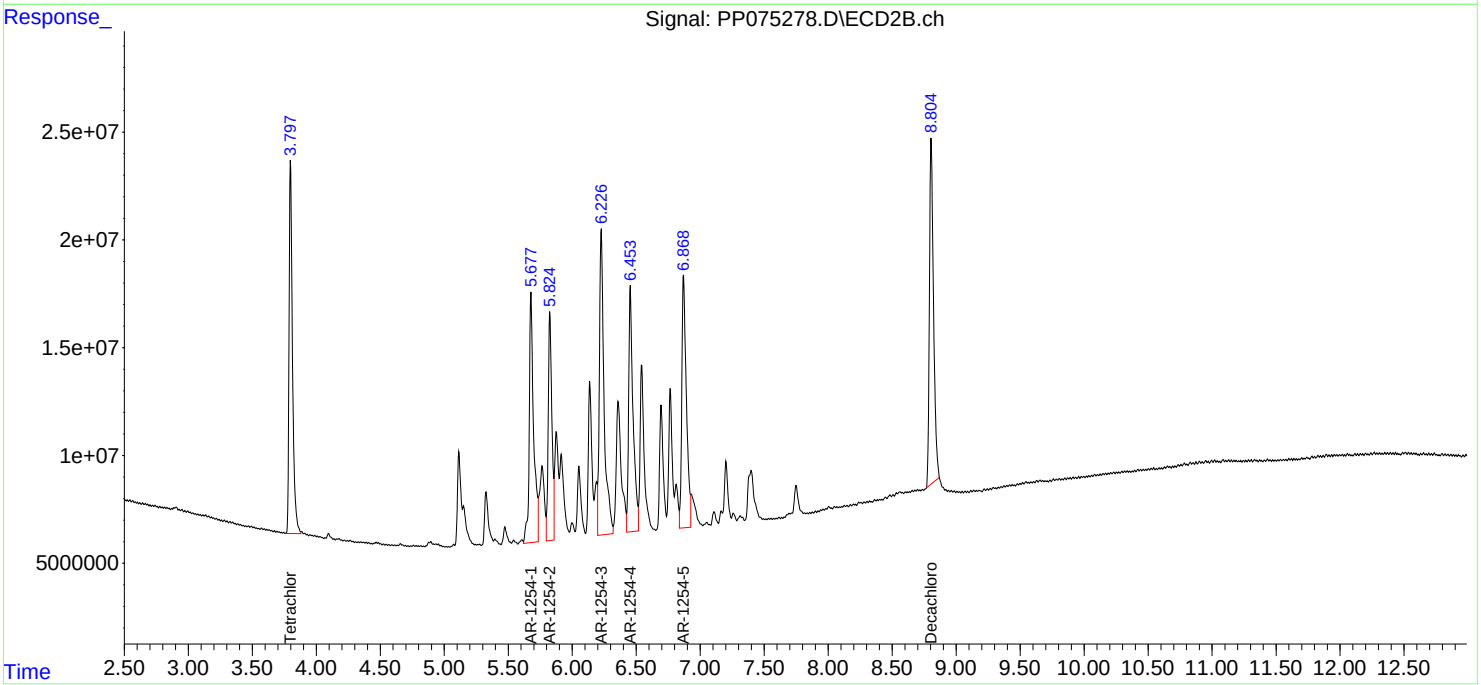
Manual Integrations APPROVED

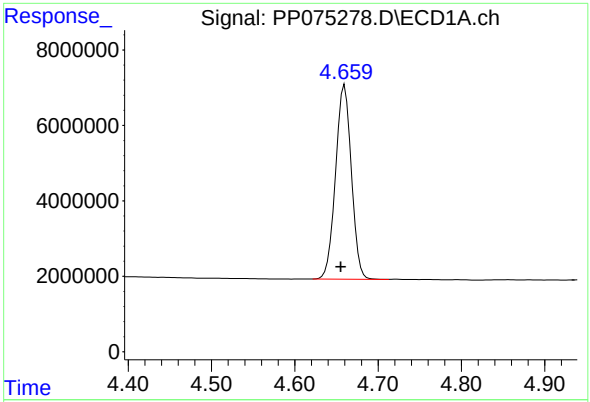
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 05:12:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 05:07:55 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







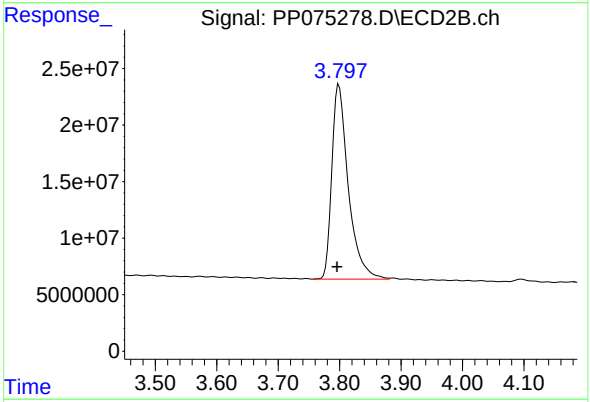
#1 Tetrachloro-m-xylene

R.T.: 4.660 min
Delta R.T.: 0.005 min
Response: 68095844
Conc: 52.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1254

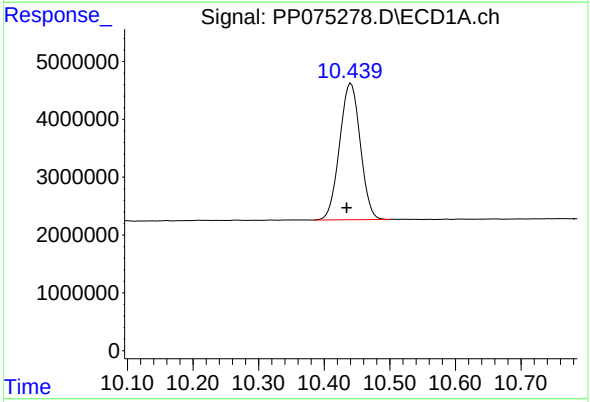
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



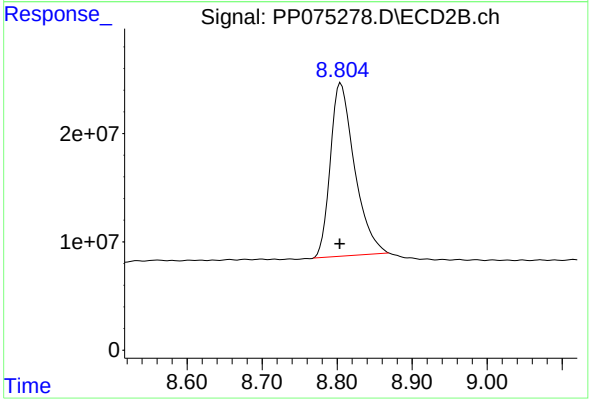
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.003 min
Response: 321296251
Conc: 52.66 ng/ml



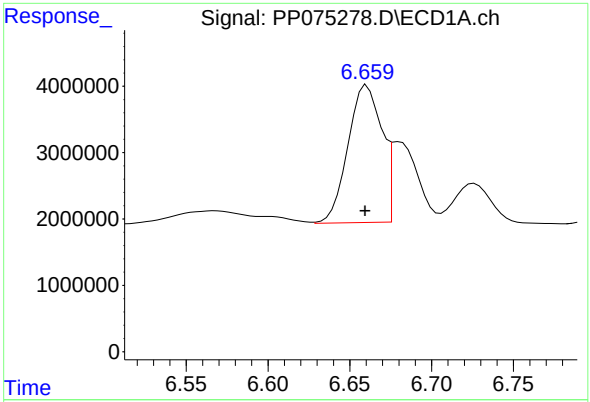
#2 Decachlorobiphenyl

R.T.: 10.441 min
Delta R.T.: 0.006 min
Response: 51811352
Conc: 51.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.804 min
Delta R.T.: 0.000 min
Response: 358504884
Conc: 59.43 ng/ml m



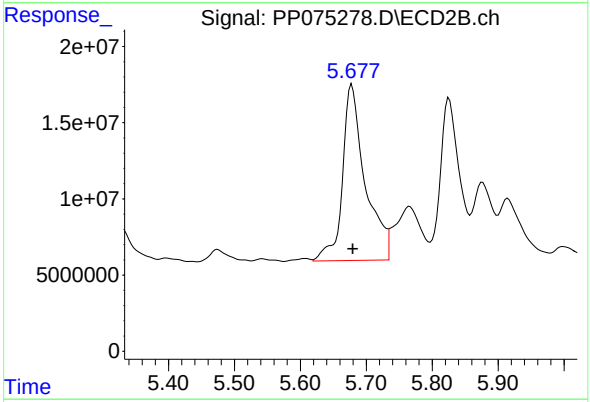
#26 AR-1254-1

R.T.: 6.659 min
Delta R.T.: 0.000 min
Response: 28467743
Conc: 443.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1254

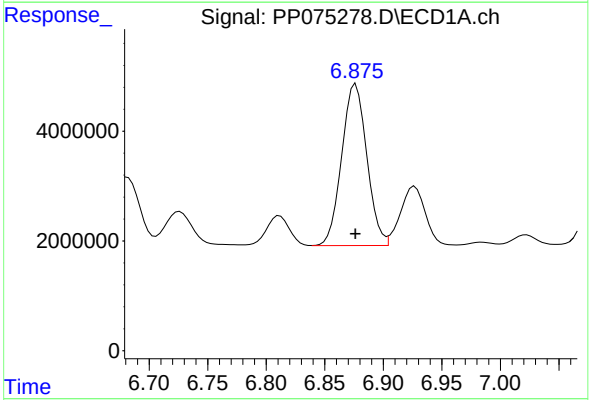
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



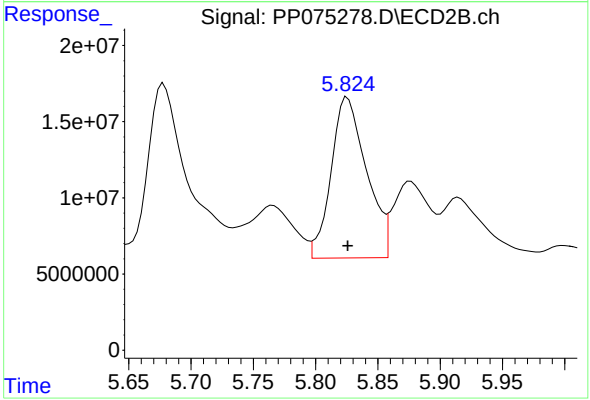
#26 AR-1254-1

R.T.: 5.678 min
Delta R.T.: -0.001 min
Response: 276624835
Conc: 554.58 ng/ml



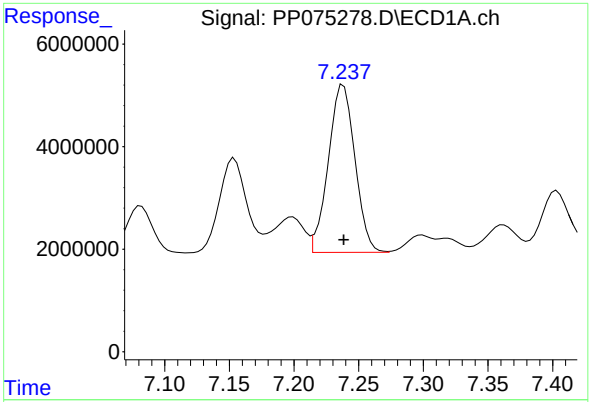
#27 AR-1254-2

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 43938129
Conc: 511.30 ng/ml



#27 AR-1254-2

R.T.: 5.826 min
Delta R.T.: 0.000 min
Response: 209067406
Conc: 523.74 ng/ml



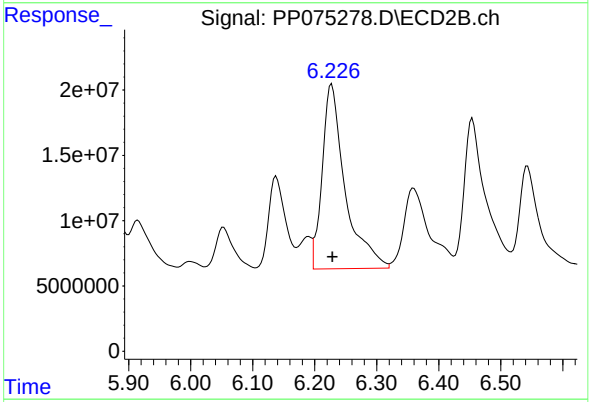
#28 AR-1254-3

R.T.: 7.238 min
Delta R.T.: 0.000 min
Response: 46807513
Conc: 506.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1254

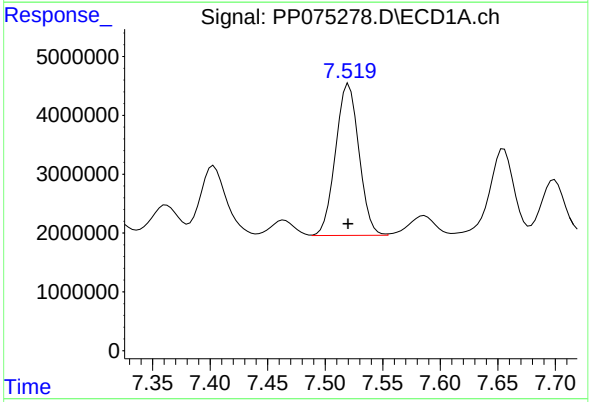
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



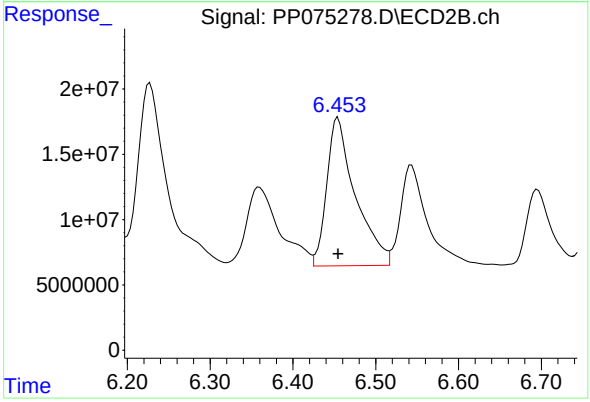
#28 AR-1254-3

R.T.: 6.227 min
Delta R.T.: -0.001 min
Response: 363150092
Conc: 546.32 ng/ml



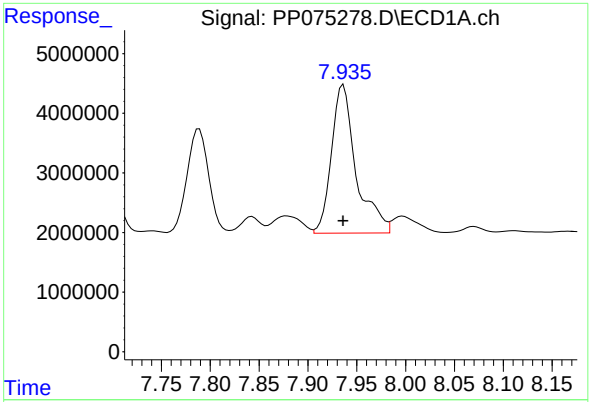
#29 AR-1254-4

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 36595686
Conc: 512.91 ng/ml



#29 AR-1254-4

R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 272711111
Conc: 552.44 ng/ml



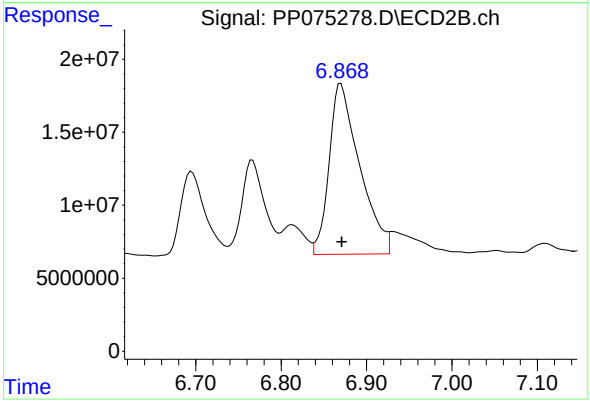
#30 AR-1254-5

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 43699326
Conc: 534.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1254

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#30 AR-1254-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 290265404
Conc: 508.62 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:57
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:49:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 04:47:34 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...	4.659	3.799	71353406	332.9E6	53.960	55.485
2)	SA Decachlor...	10.440	8.804	92871605	696.3E6	53.411	59.581m
	Target Compounds						
41)	L9 AR-1268-1	8.890	7.689	89479292	799.5E6	552.483	554.201
42)	L9 AR-1268-2	8.985	7.753	81657272	782.2E6	550.399	560.767
43)	L9 AR-1268-3	9.226	7.960	67147736	596.0E6	541.127	546.351
44)	L9 AR-1268-4	9.653	8.246	31706205	236.0E6	531.741	524.416
45)	L9 AR-1268-5	10.085	8.544	206.8E6	1813.0E6	532.693	596.714

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:57
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

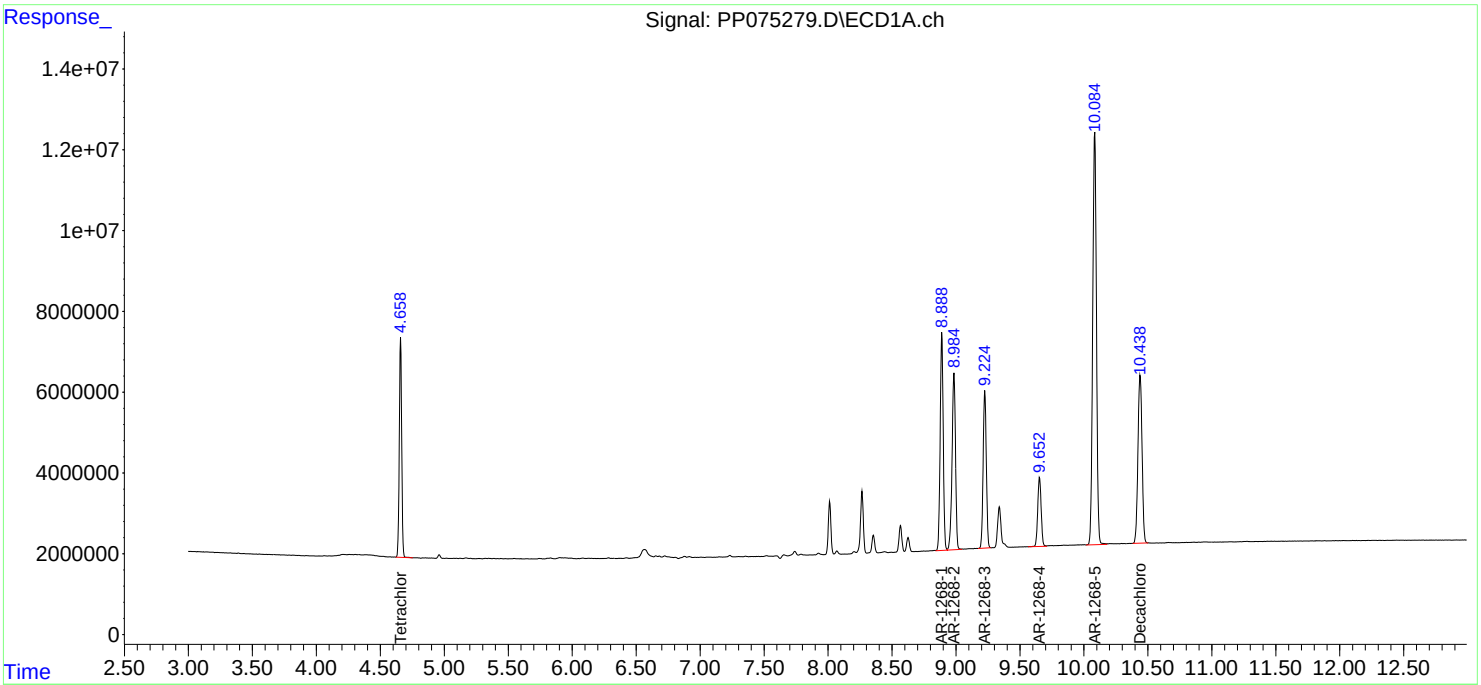
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1268

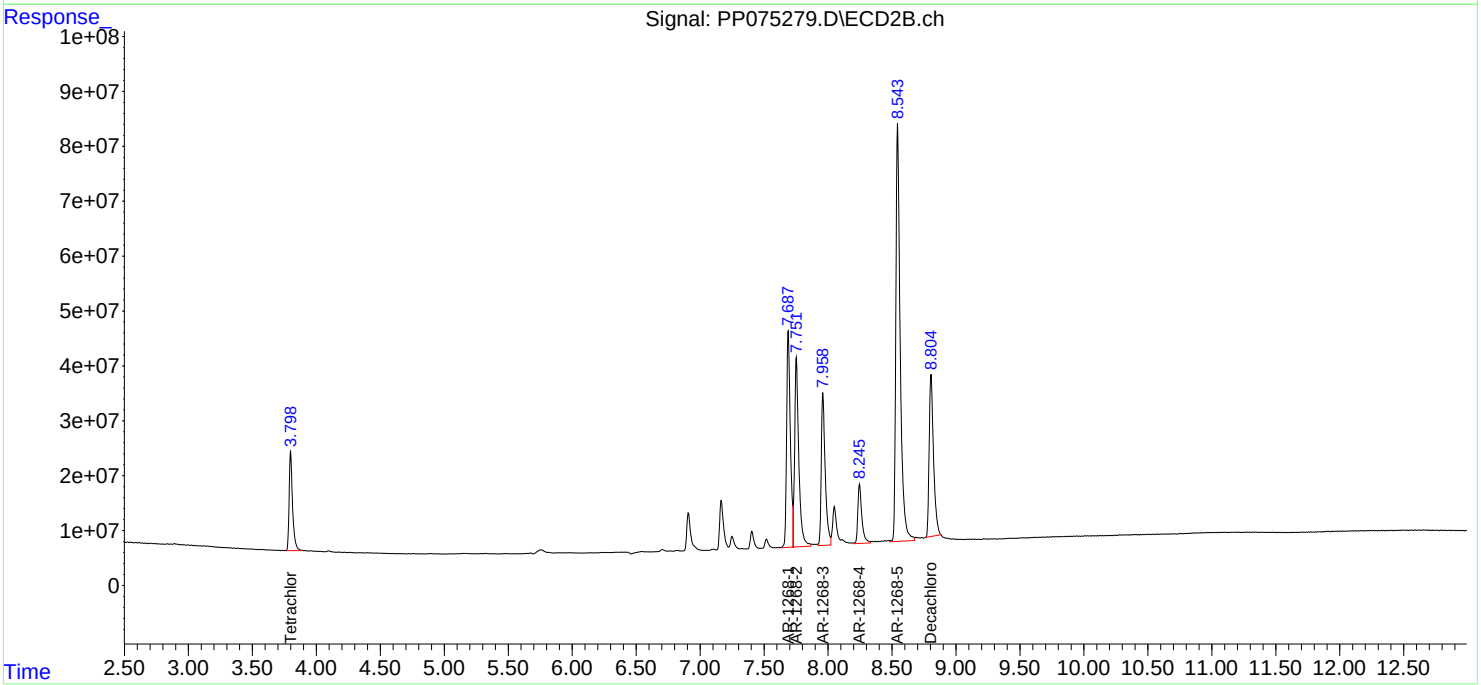
Manual Integrations APPROVED

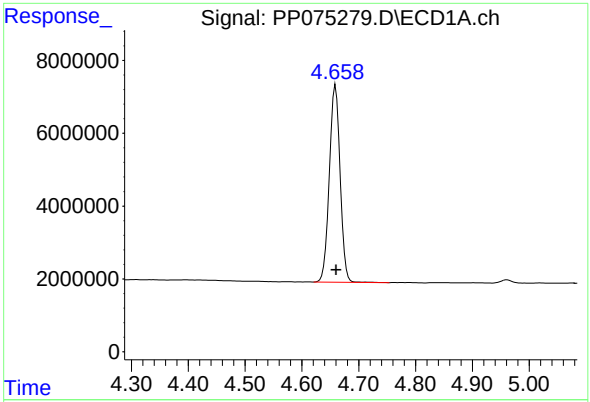
Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:49:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 04:47:34 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







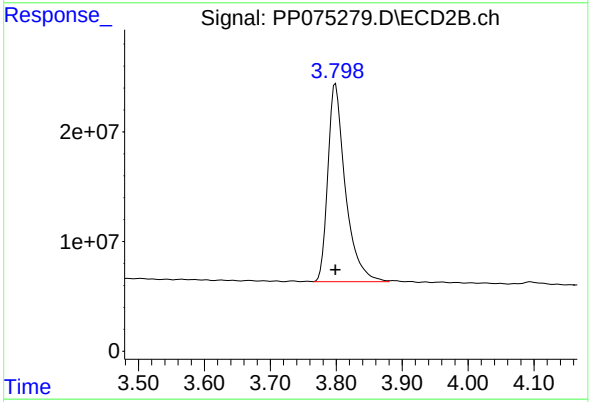
#1 Tetrachloro-m-xylene

R.T.: 4.659 min
Delta R.T.: 0.000 min
Response: 71353406
Conc: 53.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1268

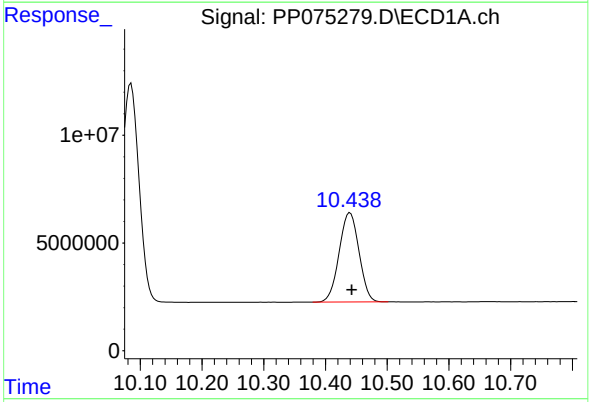
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



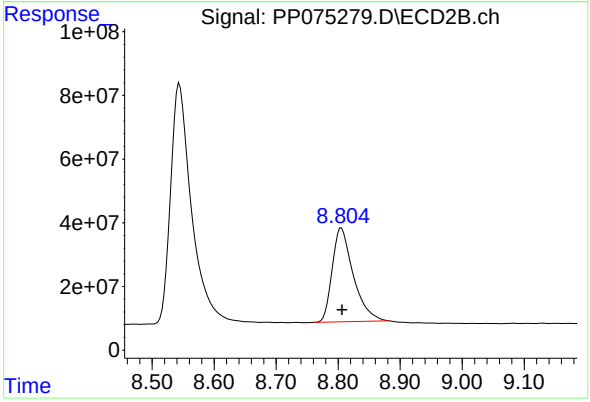
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 332881910
Conc: 55.49 ng/ml



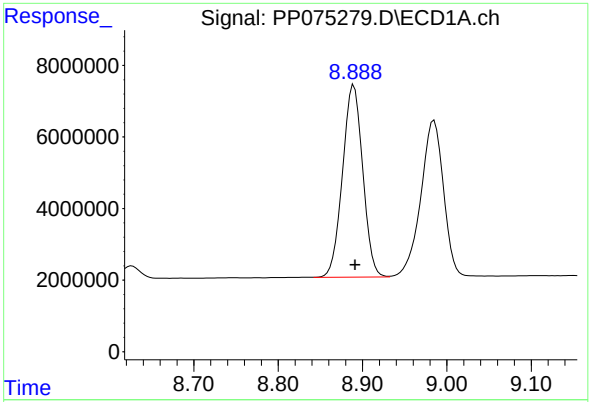
#2 Decachlorobiphenyl

R.T.: 10.440 min
Delta R.T.: -0.003 min
Response: 92871605
Conc: 53.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.804 min
Delta R.T.: -0.003 min
Response: 696275481
Conc: 59.58 ng/ml m



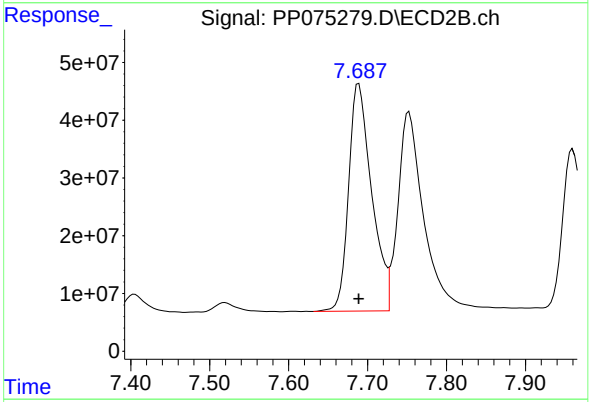
#41 AR-1268-1

R.T.: 8.890 min
Delta R.T.: -0.001 min
Response: 89479292
Conc: 552.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1268

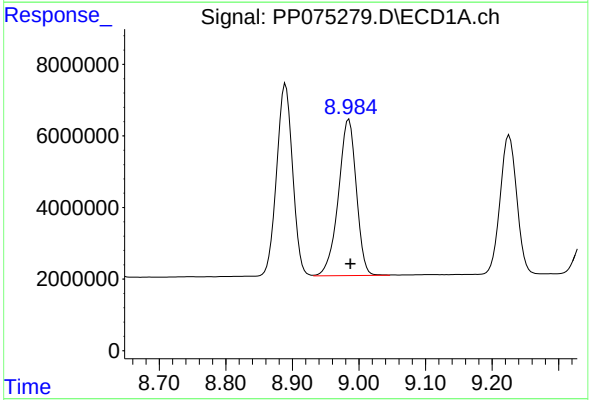
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



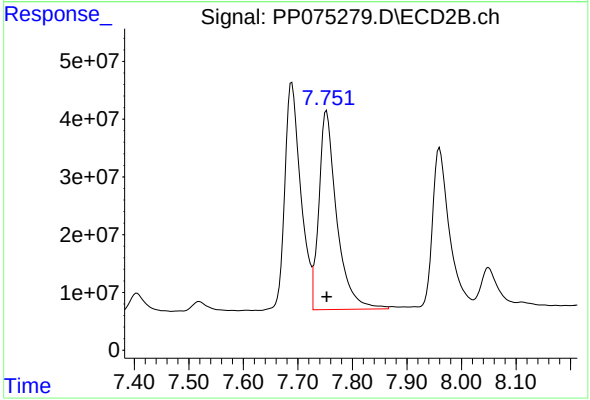
#41 AR-1268-1

R.T.: 7.689 min
Delta R.T.: 0.000 min
Response: 799509513
Conc: 554.20 ng/ml



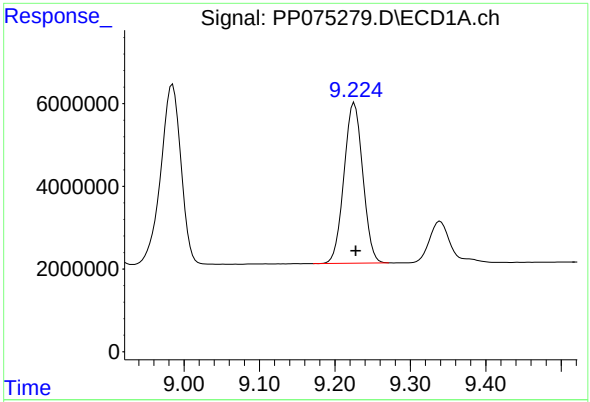
#42 AR-1268-2

R.T.: 8.985 min
Delta R.T.: -0.002 min
Response: 81657272
Conc: 550.40 ng/ml



#42 AR-1268-2

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 782164395
Conc: 560.77 ng/ml



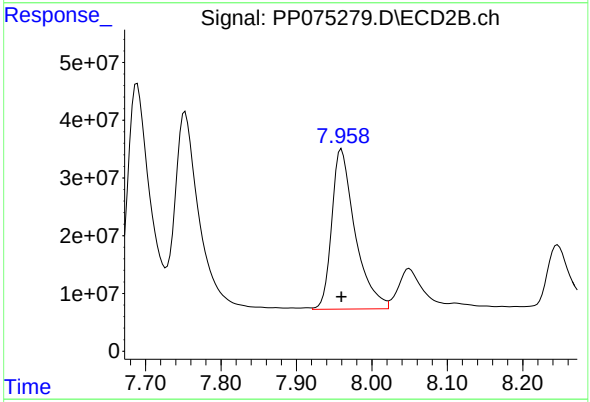
#43 AR-1268-3

R.T.: 9.226 min
Delta R.T.: -0.002 min
Response: 67147736
Conc: 541.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1268

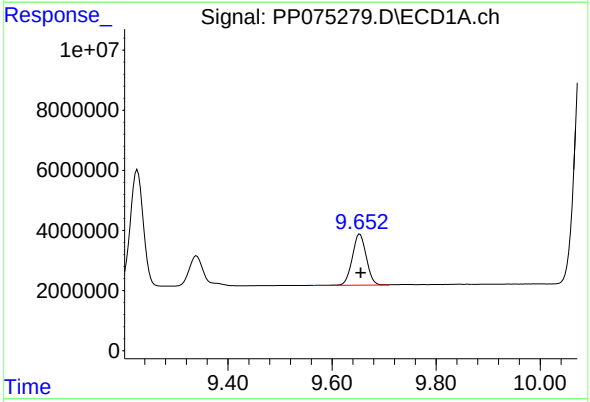
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



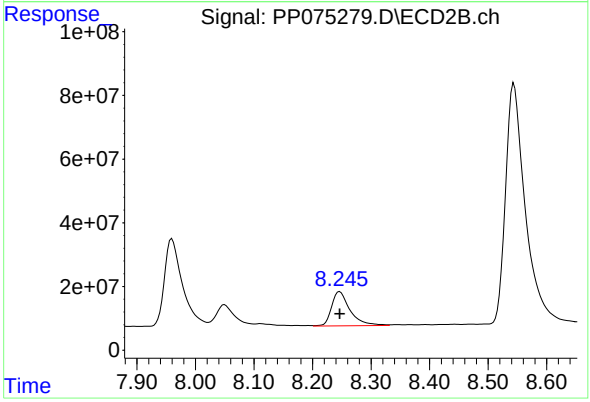
#43 AR-1268-3

R.T.: 7.960 min
Delta R.T.: 0.000 min
Response: 596026528
Conc: 546.35 ng/ml



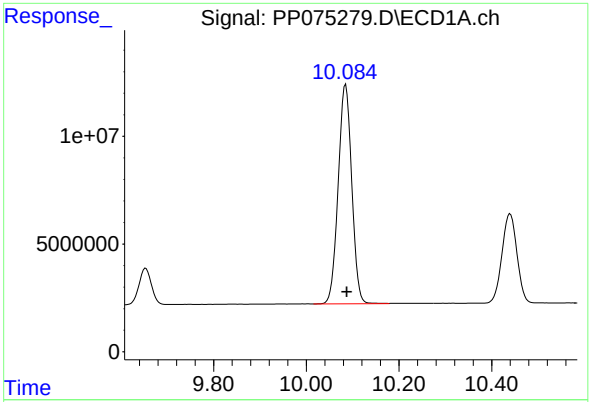
#44 AR-1268-4

R.T.: 9.653 min
Delta R.T.: -0.002 min
Response: 31706205
Conc: 531.74 ng/ml



#44 AR-1268-4

R.T.: 8.246 min
Delta R.T.: 0.000 min
Response: 235964707
Conc: 524.42 ng/ml



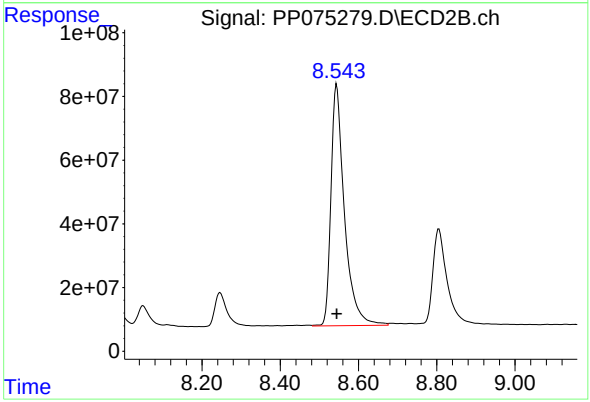
#45 AR-1268-5

R.T.: 10.085 min
Delta R.T.: -0.002 min
Response: 206788671
Conc: 532.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#45 AR-1268-5

R.T.: 8.544 min
Delta R.T.: 0.000 min
Response: 1812996598
Conc: 596.71 ng/ml

Raw Data: **PO114448.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 09:54 **Initial Calibration Time(s):** 14:14 22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.52	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.58	5.58	5.48	5.68	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

Raw Data: **PO114448.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 09:54 **Initial Calibration Time(s):** 14:14 22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.66	8.67	8.57	8.77	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114448.D **Time Analyzed:** 09:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.493	5.392	5.592	531.760	500.000	6.4
Aroclor-1016-2	5.515	5.414	5.614	514.370	500.000	2.9
Aroclor-1016-3	5.577	5.476	5.676	511.540	500.000	2.3
Aroclor-1016-4	5.672	5.571	5.771	539.820	500.000	8.0
Aroclor-1016-5	5.964	5.863	6.063	539.430	500.000	7.9
Aroclor-1260-1	7.077	6.975	7.175	515.840	500.000	3.2
Aroclor-1260-2	7.332	7.229	7.429	505.990	500.000	1.2
Aroclor-1260-3	7.688	7.585	7.785	521.640	500.000	4.3
Aroclor-1260-4	7.910	7.807	8.007	510.820	500.000	2.2
Aroclor-1260-5	8.217	8.113	8.313	499.190	500.000	-0.2
Decachlorobiphenyl	9.941	9.834	10.034	50.690	50.000	1.4
Tetrachloro-m-xylene	4.355	4.255	4.455	56.020	50.000	12.0

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114448.D **Time Analyzed:** 09:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.740	4.643	4.843	536.390	500.000	7.3
Aroclor-1016-2	4.759	4.662	4.862	525.960	500.000	5.2
Aroclor-1016-3	4.934	4.836	5.036	555.790	500.000	11.2
Aroclor-1016-4	4.976	4.879	5.079	564.050	500.000	12.8
Aroclor-1016-5	5.189	5.092	5.292	540.980	500.000	8.2
Aroclor-1260-1	6.222	6.125	6.325	556.010	500.000	11.2
Aroclor-1260-2	6.409	6.313	6.513	569.040	500.000	13.8
Aroclor-1260-3	6.562	6.466	6.666	519.230	500.000	3.8
Aroclor-1260-4	7.034	6.939	7.139	561.290	500.000	12.3
Aroclor-1260-5	7.274	7.179	7.379	532.690	500.000	6.5
Decachlorobiphenyl	8.664	8.571	8.771	47.610	50.000	-4.8
Tetrachloro-m-xylene	3.658	3.560	3.760	53.810	50.000	7.6

Sample Results: **PO114448.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 09:54
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:40:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.355	3.658	304.1E6	215.4E6	56.023	53.808
2)	SA Decachlor...	9.941	8.664	184.6E6	158.7E6	50.691	47.611m
	Target Compounds						
3)	L1 AR-1016-1	5.493	4.740	95907671	90320208	531.764	536.393
4)	L1 AR-1016-2	5.515	4.759	156.5E6	127.3E6	514.365	525.965
5)	L1 AR-1016-3	5.577	4.934	90466563	69003810	511.538	555.794
6)	L1 AR-1016-4	5.672	4.976	74254003	54445091	539.815	564.049
7)	L1 AR-1016-5	5.964	5.189	68111992	69167782	539.434	540.984
31)	L7 AR-1260-1	7.077	6.222	112.4E6	130.9E6	515.845	556.014
32)	L7 AR-1260-2	7.332	6.409	156.1E6	190.3E6	505.988	569.037
33)	L7 AR-1260-3	7.688	6.562	133.8E6	153.1E6	521.645	519.232
34)	L7 AR-1260-4	7.910	7.034	119.0E6	125.1E6	510.819	561.291
35)	L7 AR-1260-5	8.217	7.274	289.6E6	326.5E6	499.191	532.686

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 09:54
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

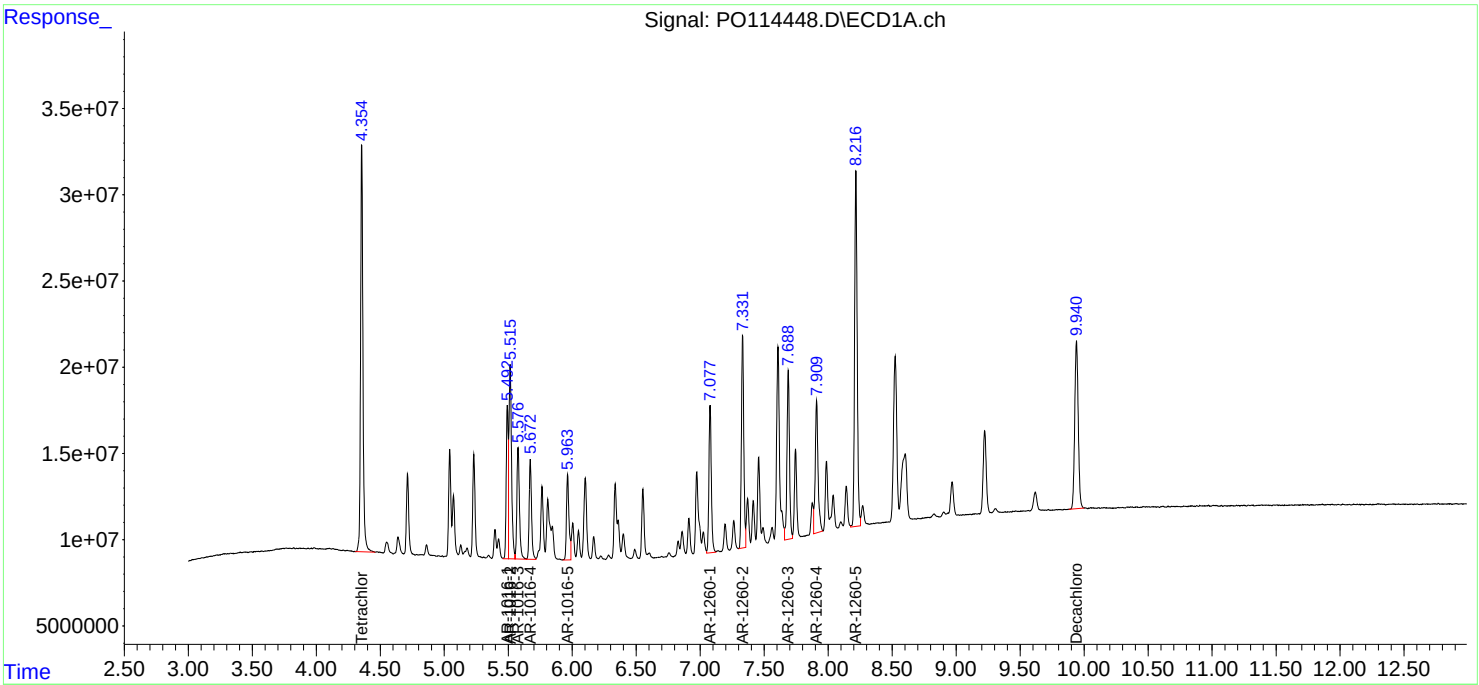
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

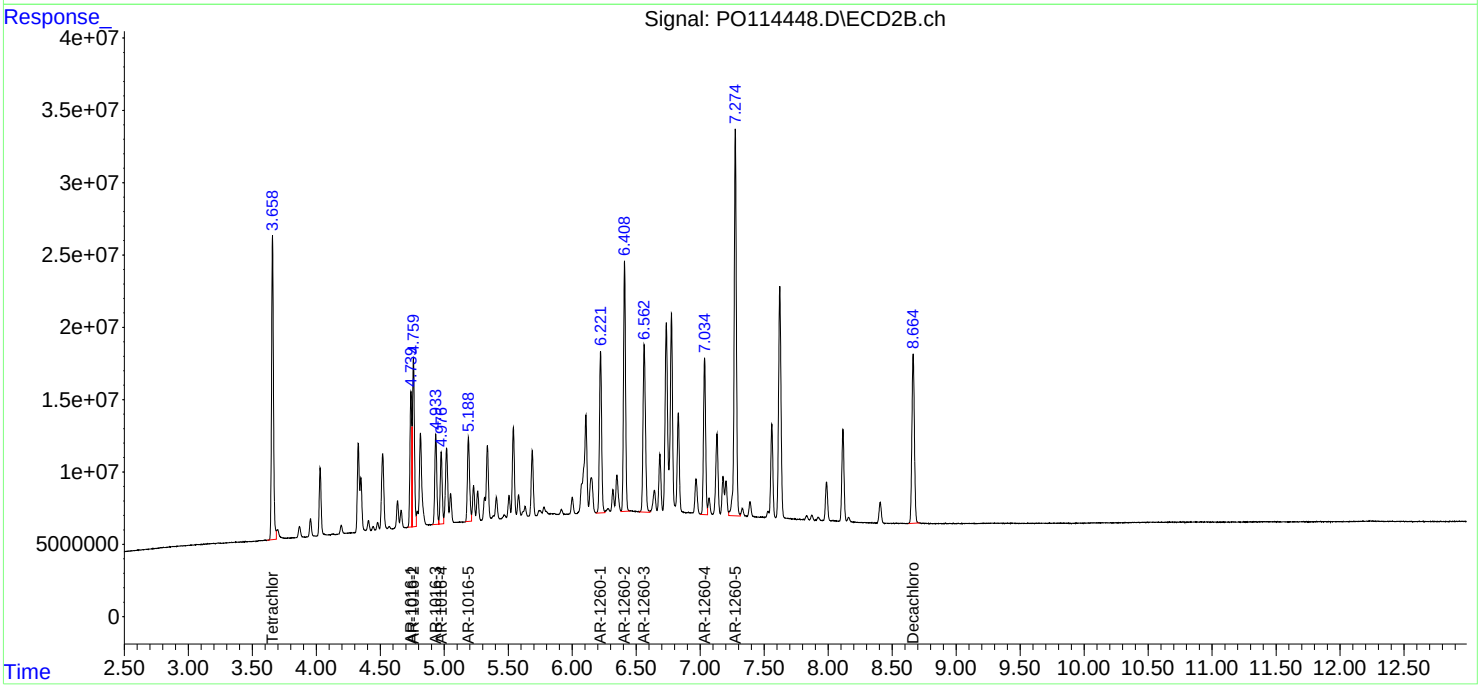
Manual Integrations APPROVED

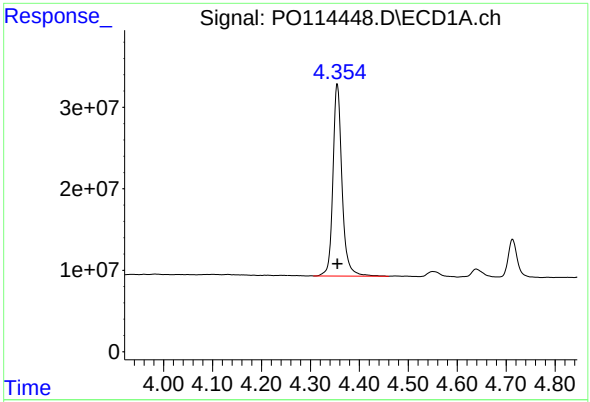
Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:40:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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







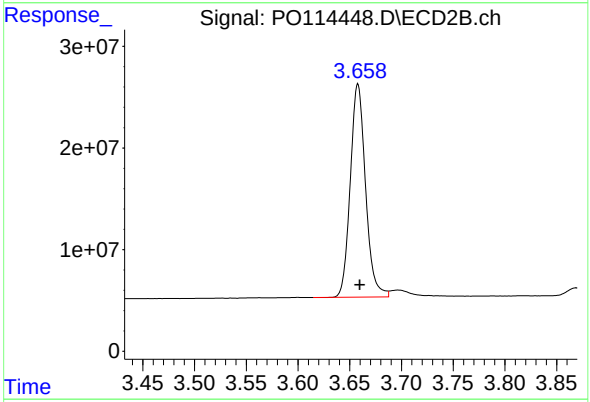
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 304149368
Conc: 56.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

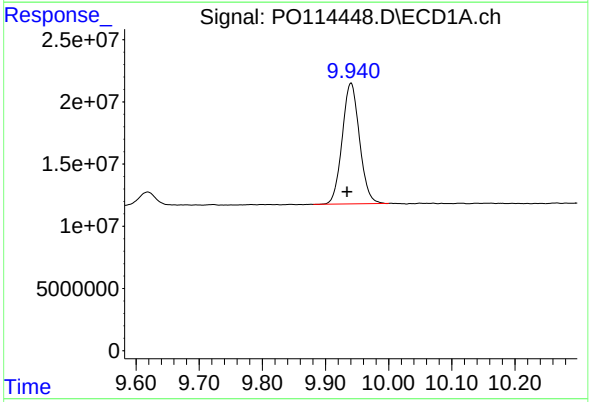
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



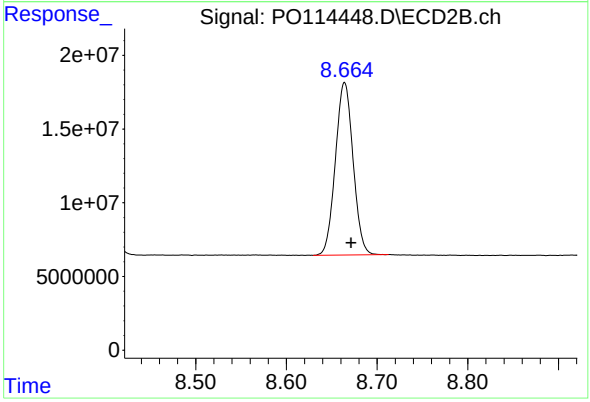
#1 Tetrachloro-m-xylene

R.T.: 3.658 min
Delta R.T.: -0.002 min
Response: 215354652
Conc: 53.81 ng/ml



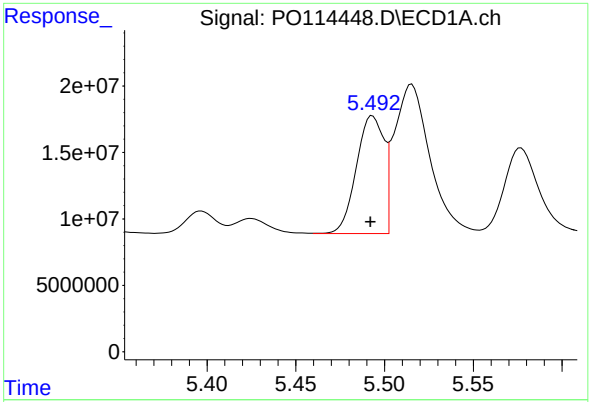
#2 Decachlorobiphenyl

R.T.: 9.941 min
Delta R.T.: 0.006 min
Response: 184571971
Conc: 50.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.664 min
Delta R.T.: -0.008 min
Response: 158697416
Conc: 47.61 ng/ml m



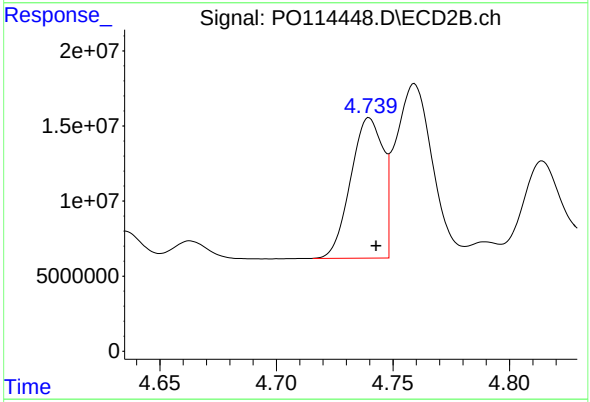
#3 AR-1016-1

R.T.: 5.493 min
Delta R.T.: 0.001 min
Response: 95907671
Conc: 531.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

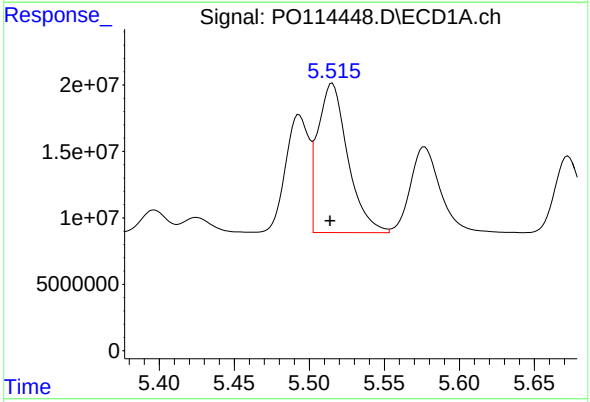
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



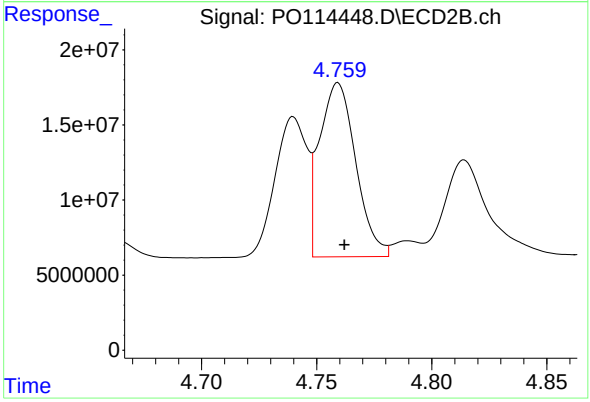
#3 AR-1016-1

R.T.: 4.740 min
Delta R.T.: -0.003 min
Response: 90320208
Conc: 536.39 ng/ml



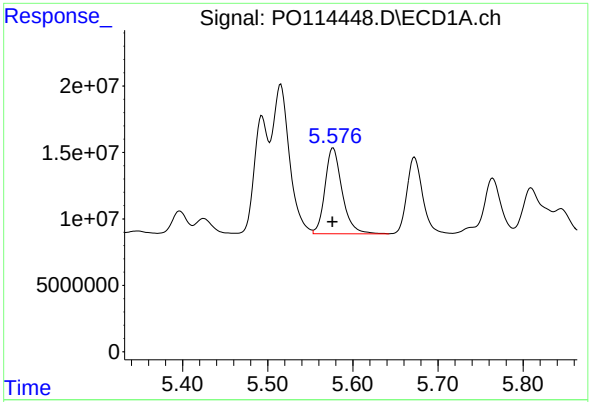
#4 AR-1016-2

R.T.: 5.515 min
Delta R.T.: 0.002 min
Response: 156519976
Conc: 514.37 ng/ml



#4 AR-1016-2

R.T.: 4.759 min
Delta R.T.: -0.003 min
Response: 127302335
Conc: 525.96 ng/ml



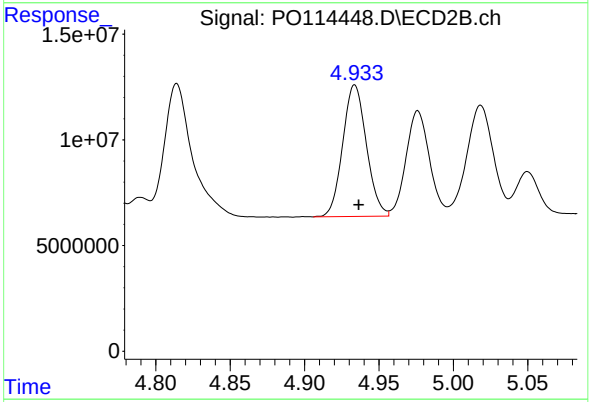
#5 AR-1016-3

R.T.: 5.577 min
Delta R.T.: 0.000 min
Response: 90466563
Conc: 511.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

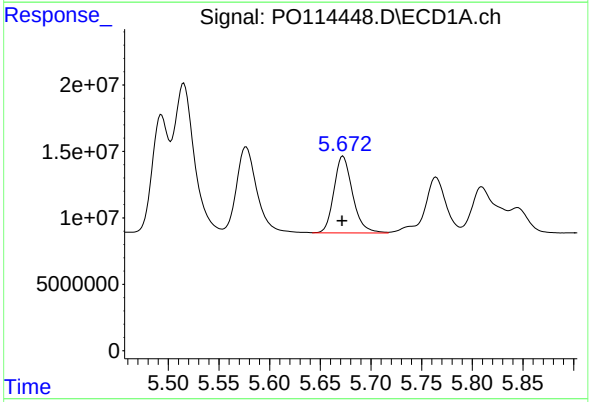
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



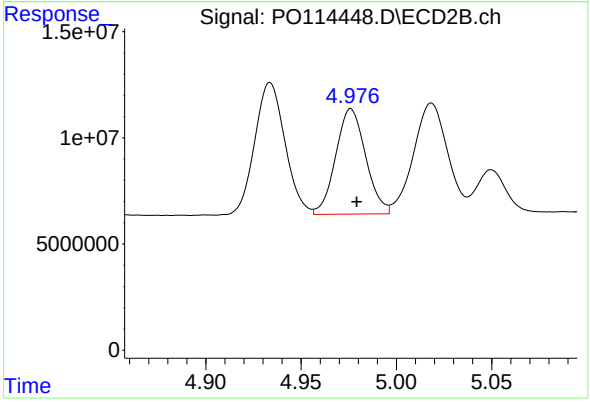
#5 AR-1016-3

R.T.: 4.934 min
Delta R.T.: -0.003 min
Response: 69003810
Conc: 555.79 ng/ml



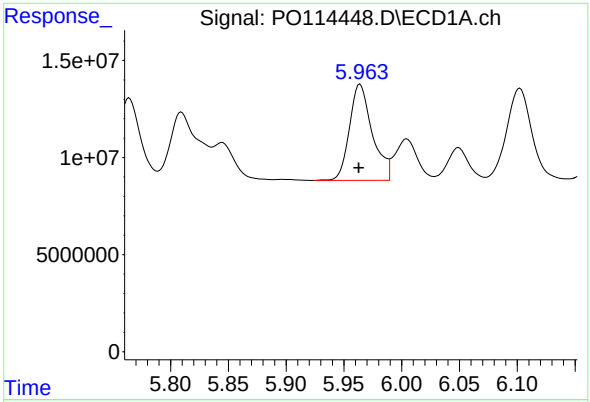
#6 AR-1016-4

R.T.: 5.672 min
Delta R.T.: 0.001 min
Response: 74254003
Conc: 539.82 ng/ml



#6 AR-1016-4

R.T.: 4.976 min
Delta R.T.: -0.003 min
Response: 54445091
Conc: 564.05 ng/ml



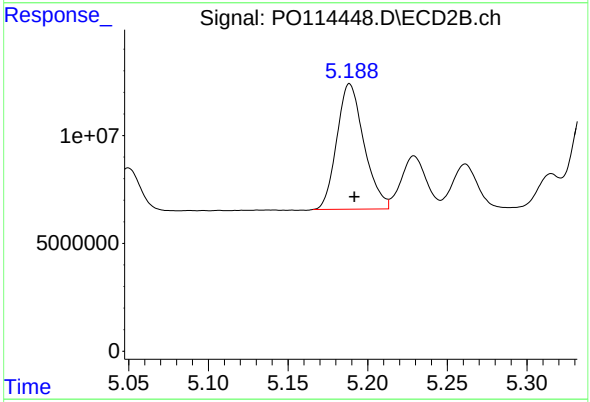
#7 AR-1016-5

R.T.: 5.964 min
Delta R.T.: 0.001 min
Response: 68111992
Conc: 539.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

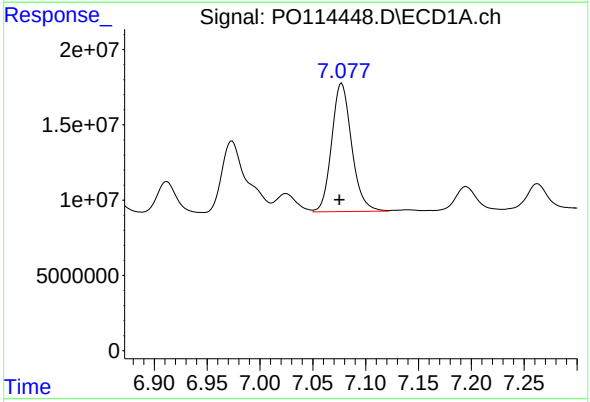
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



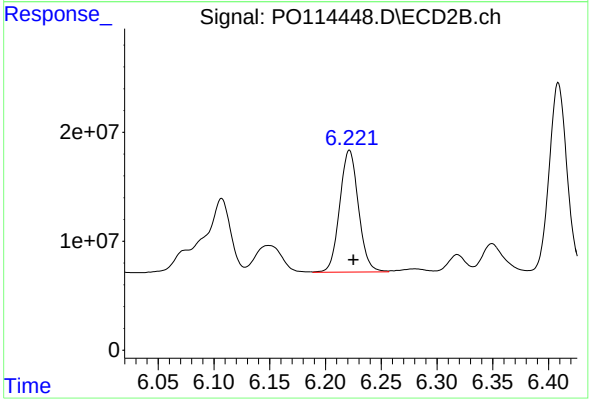
#7 AR-1016-5

R.T.: 5.189 min
Delta R.T.: -0.003 min
Response: 69167782
Conc: 540.98 ng/ml



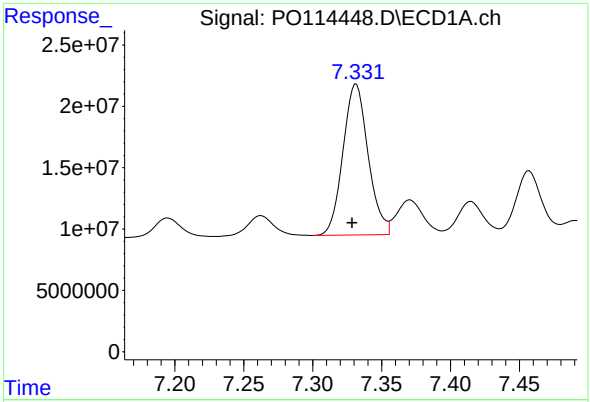
#31 AR-1260-1

R.T.: 7.077 min
Delta R.T.: 0.002 min
Response: 112418545
Conc: 515.84 ng/ml



#31 AR-1260-1

R.T.: 6.222 min
Delta R.T.: -0.004 min
Response: 130932046
Conc: 556.01 ng/ml



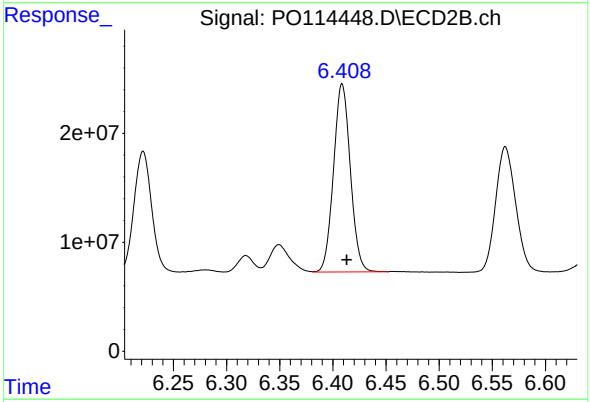
#32 AR-1260-2

R.T.: 7.332 min
Delta R.T.: 0.003 min
Response: 156099470
Conc: 505.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

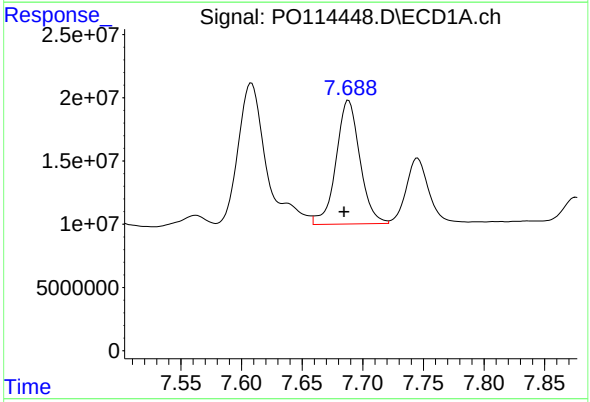
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



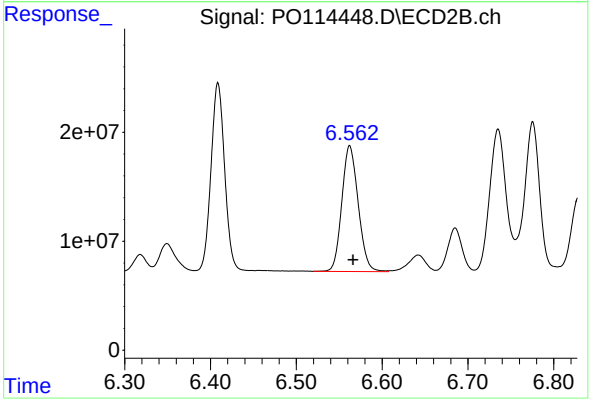
#32 AR-1260-2

R.T.: 6.409 min
Delta R.T.: -0.004 min
Response: 190279638
Conc: 569.04 ng/ml



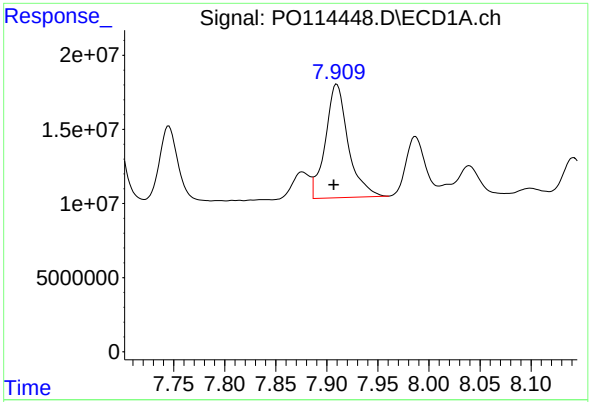
#33 AR-1260-3

R.T.: 7.688 min
Delta R.T.: 0.004 min
Response: 133786506
Conc: 521.64 ng/ml



#33 AR-1260-3

R.T.: 6.562 min
Delta R.T.: -0.004 min
Response: 153142899
Conc: 519.23 ng/ml



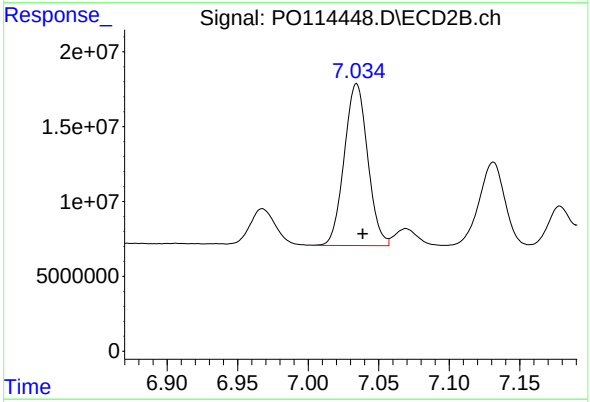
#34 AR-1260-4

R.T.: 7.910 min
Delta R.T.: 0.003 min
Response: 118979688
Conc: 510.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

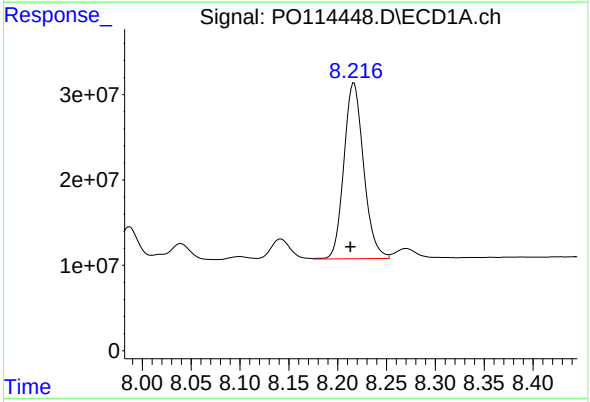
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



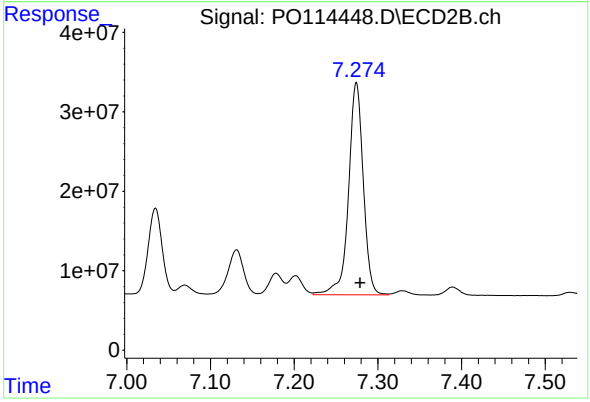
#34 AR-1260-4

R.T.: 7.034 min
Delta R.T.: -0.004 min
Response: 125117014
Conc: 561.29 ng/ml



#35 AR-1260-5

R.T.: 8.217 min
Delta R.T.: 0.004 min
Response: 289610662
Conc: 499.19 ng/ml



#35 AR-1260-5

R.T.: 7.274 min
Delta R.T.: -0.004 min
Response: 326516169
Conc: 532.69 ng/ml

Raw Data: **PO114461.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:50 **Initial Calibration Time(s):** 14:14 22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.50	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.52	5.51	5.41	5.61	-0.01
Aroclor-1016-3	(3)	5.58	5.58	5.48	5.68	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.97	5.96	5.86	6.06	-0.01
Aroclor-1260-1	(1)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

Raw Data: **PO114461.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:50 **Initial Calibration Time(s):** 14:14 22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.04	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.28	7.28	7.18	7.38	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114461.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.495	5.392	5.592	509.020	500.000	1.8
Aroclor-1016-2	5.516	5.414	5.614	497.030	500.000	-0.6
Aroclor-1016-3	5.578	5.476	5.676	490.250	500.000	-2.0
Aroclor-1016-4	5.674	5.571	5.771	520.520	500.000	4.1
Aroclor-1016-5	5.965	5.863	6.063	516.110	500.000	3.2
Aroclor-1260-1	7.078	6.975	7.175	500.590	500.000	0.1
Aroclor-1260-2	7.331	7.229	7.429	488.920	500.000	-2.2
Aroclor-1260-3	7.689	7.585	7.785	502.790	500.000	0.6
Aroclor-1260-4	7.911	7.807	8.007	484.610	500.000	-3.1
Aroclor-1260-5	8.217	8.113	8.313	483.900	500.000	-3.2
Decachlorobiphenyl	9.943	9.834	10.034	49.500	50.000	-1.0
Tetrachloro-m-xylene	4.356	4.255	4.455	54.530	50.000	9.1

Raw Data: **PO114461.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114461.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.740	4.643	4.843	523.670	500.000	4.7
Aroclor-1016-2	4.760	4.662	4.862	523.380	500.000	4.7
Aroclor-1016-3	4.934	4.836	5.036	546.600	500.000	9.3
Aroclor-1016-4	4.976	4.879	5.079	546.950	500.000	9.4
Aroclor-1016-5	5.189	5.092	5.292	534.400	500.000	6.9
Aroclor-1260-1	6.222	6.125	6.325	534.580	500.000	6.9
Aroclor-1260-2	6.409	6.313	6.513	547.830	500.000	9.6
Aroclor-1260-3	6.562	6.466	6.666	492.090	500.000	-1.6
Aroclor-1260-4	7.035	6.939	7.139	522.110	500.000	4.4
Aroclor-1260-5	7.275	7.179	7.379	502.940	500.000	0.6
Decachlorobiphenyl	8.665	8.571	8.771	45.140	50.000	-9.7
Tetrachloro-m-xylene	3.659	3.560	3.760	53.380	50.000	6.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 15:50
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 04:55:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.356	3.659	296.1E6	213.7E6	54.534	53.384
2)	SA Decachlor...	9.943	8.665	180.2E6	150.5E6	49.500	45.142m
	Target Compounds						
3)	L1 AR-1016-1	5.495	4.740	91804859	88177469	509.015	523.668
4)	L1 AR-1016-2	5.516	4.760	151.2E6	126.7E6	497.031	523.380
5)	L1 AR-1016-3	5.578	4.934	86702334	67862970	490.253	546.605
6)	L1 AR-1016-4	5.674	4.976	71599744	52794216	520.519	546.946
7)	L1 AR-1016-5	5.965	5.189	65167316	68326290	516.113	534.402
31)	L7 AR-1260-1	7.078	6.222	109.1E6	125.9E6	500.593	534.583
32)	L7 AR-1260-2	7.331	6.409	150.8E6	183.2E6	488.916	547.835
33)	L7 AR-1260-3	7.689	6.562	129.0E6	145.1E6	502.789	492.089
34)	L7 AR-1260-4	7.911	7.035	112.9E6	116.4E6	484.610	522.111
35)	L7 AR-1260-5	8.217	7.275	280.7E6	308.3E6	483.905	502.941

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 15:50
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

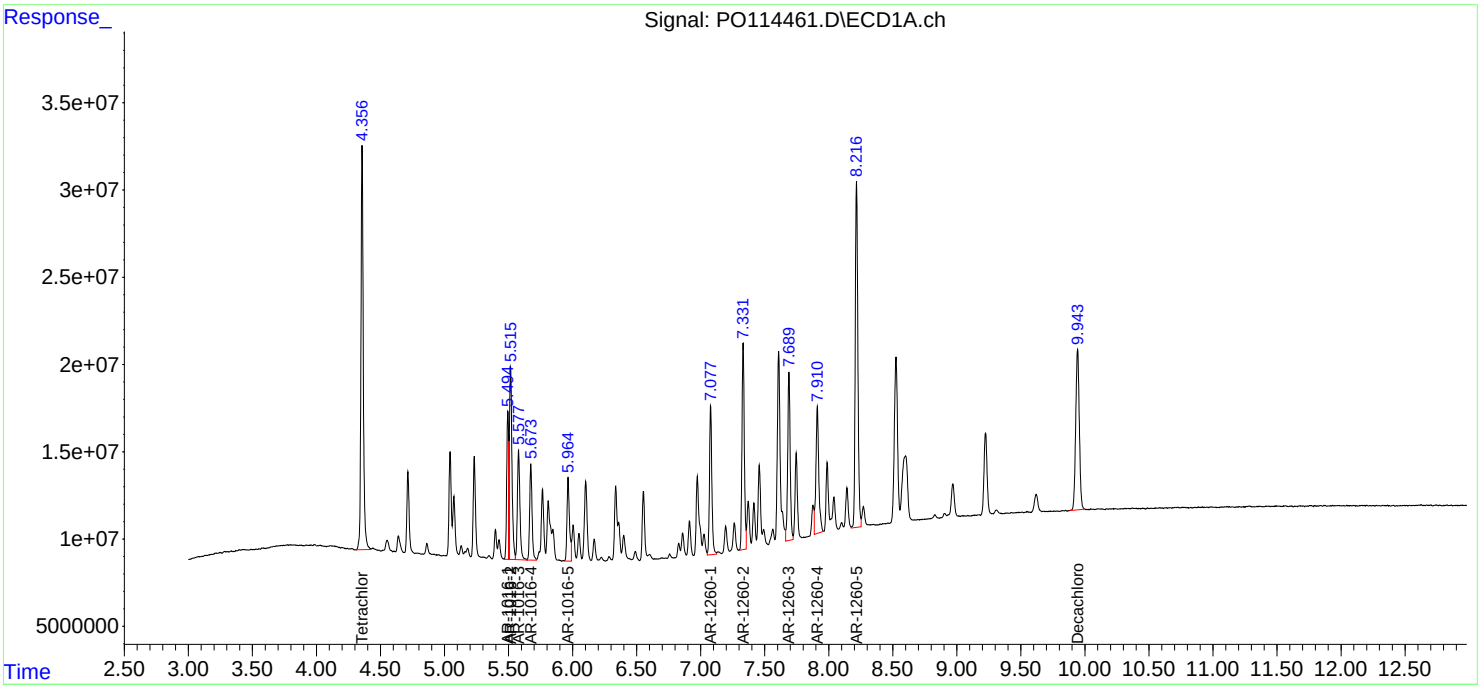
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

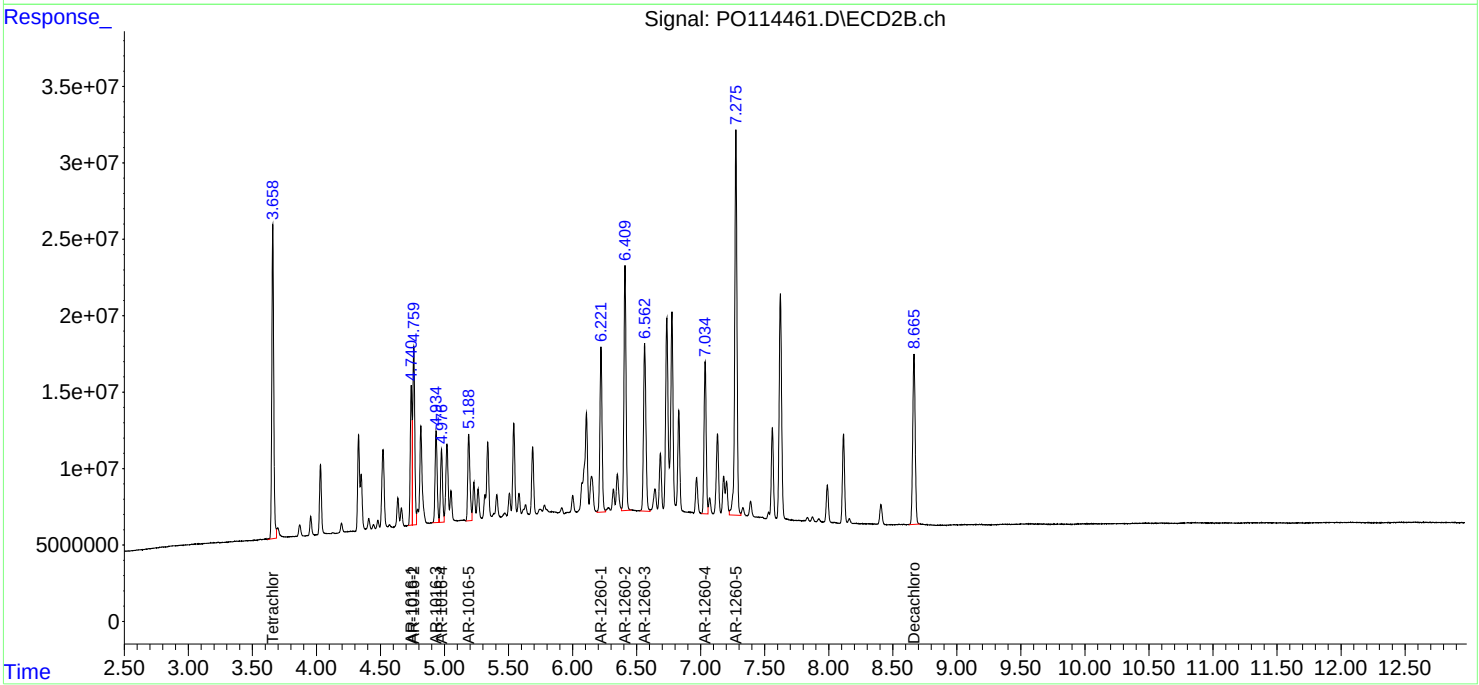
Manual Integrations APPROVED

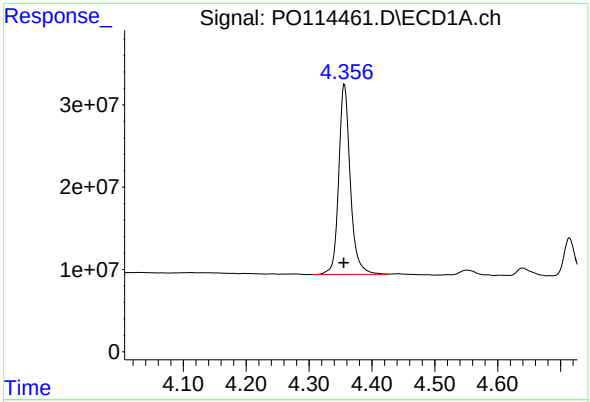
Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 04:55:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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







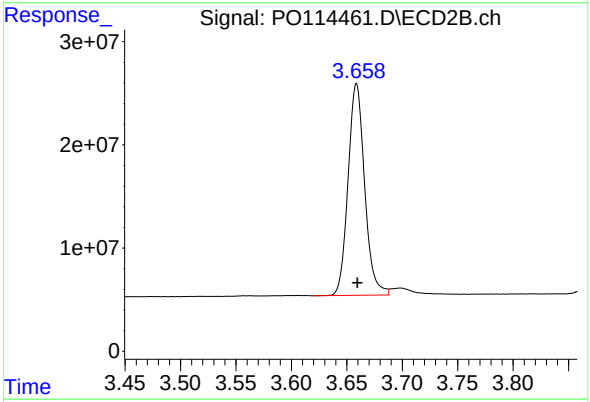
#1 Tetrachloro-m-xylene

R.T.: 4.356 min
Delta R.T.: 0.001 min
Response: 296063666
Conc: 54.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

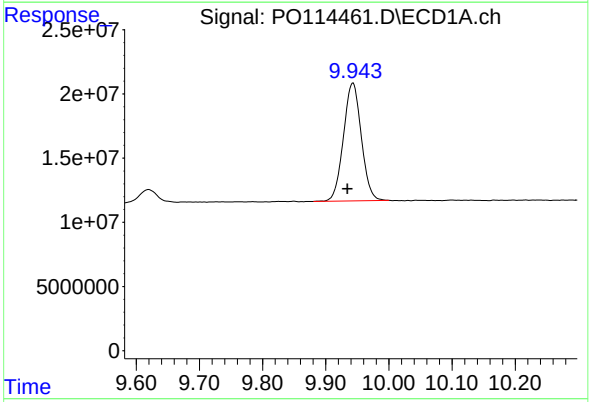
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



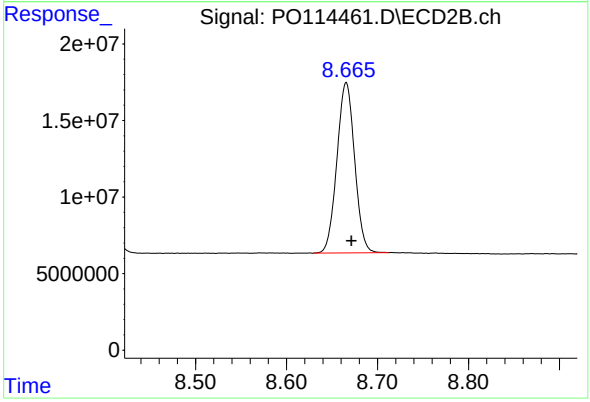
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 213656564
Conc: 53.38 ng/ml



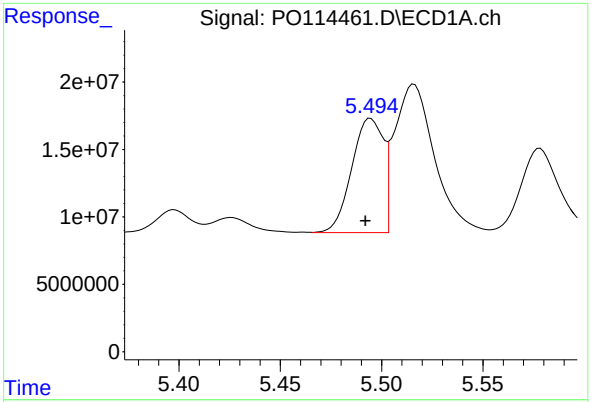
#2 Decachlorobiphenyl

R.T.: 9.943 min
Delta R.T.: 0.009 min
Response: 180236870
Conc: 49.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.665 min
Delta R.T.: -0.006 min
Response: 150467113
Conc: 45.14 ng/ml m



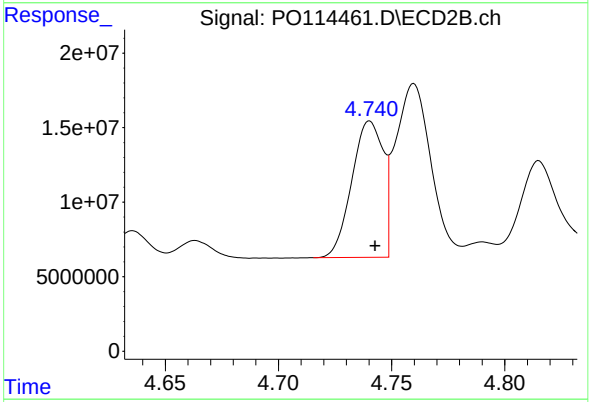
#3 AR-1016-1

R.T.: 5.495 min
Delta R.T.: 0.003 min
Response: 91804859
Conc: 509.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

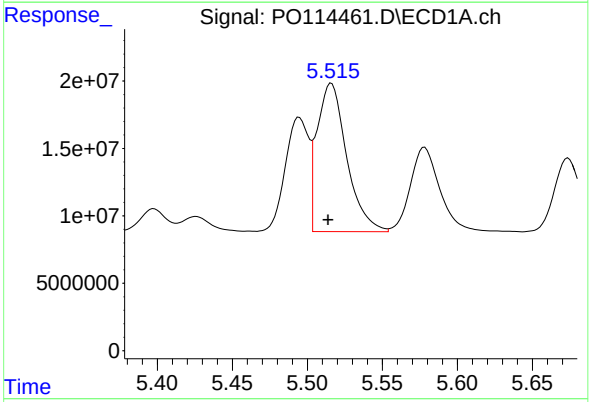
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



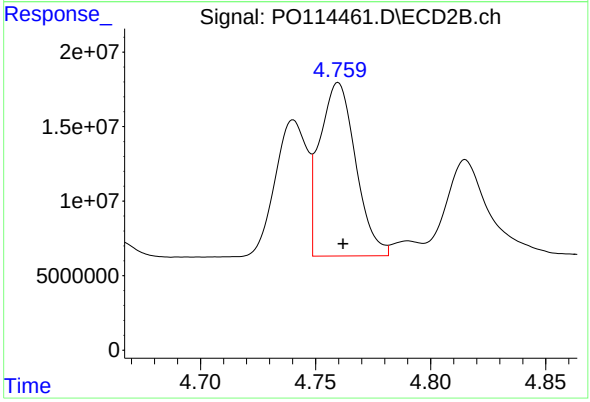
#3 AR-1016-1

R.T.: 4.740 min
Delta R.T.: -0.002 min
Response: 88177469
Conc: 523.67 ng/ml



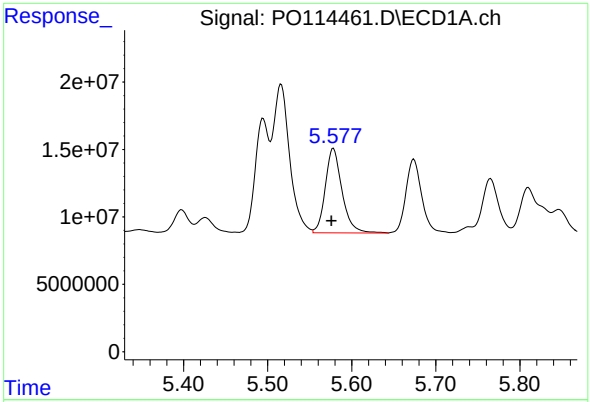
#4 AR-1016-2

R.T.: 5.516 min
Delta R.T.: 0.002 min
Response: 151245260
Conc: 497.03 ng/ml



#4 AR-1016-2

R.T.: 4.760 min
Delta R.T.: -0.002 min
Response: 126676614
Conc: 523.38 ng/ml



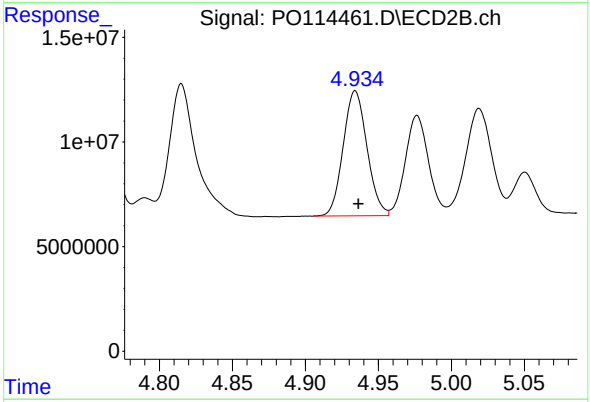
#5 AR-1016-3

R.T.: 5.578 min
Delta R.T.: 0.002 min
Response: 86702334
Conc: 490.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

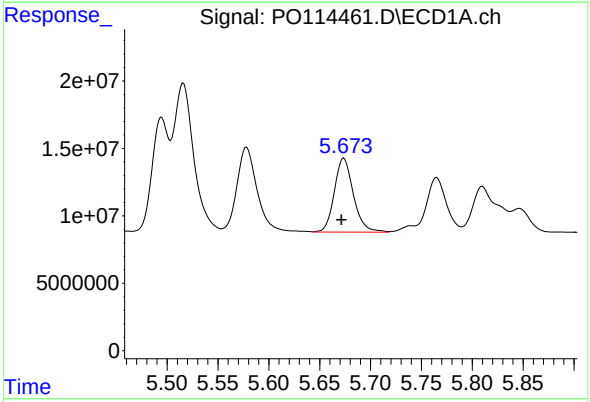
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



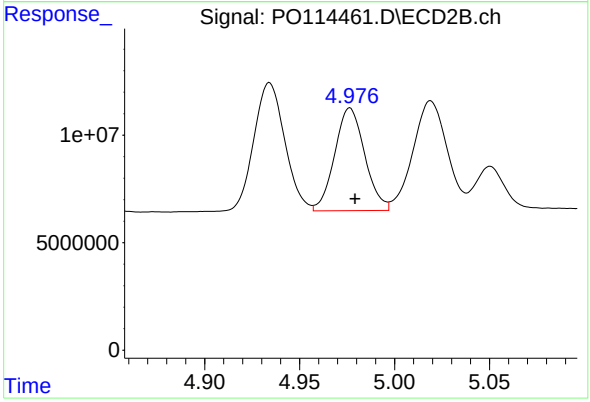
#5 AR-1016-3

R.T.: 4.934 min
Delta R.T.: -0.002 min
Response: 67862970
Conc: 546.60 ng/ml



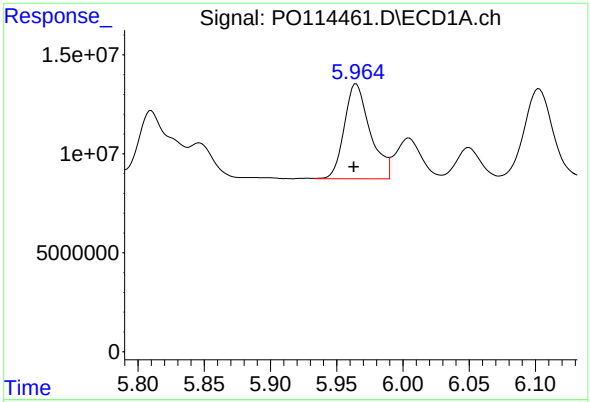
#6 AR-1016-4

R.T.: 5.674 min
Delta R.T.: 0.002 min
Response: 71599744
Conc: 520.52 ng/ml



#6 AR-1016-4

R.T.: 4.976 min
Delta R.T.: -0.003 min
Response: 52794216
Conc: 546.95 ng/ml



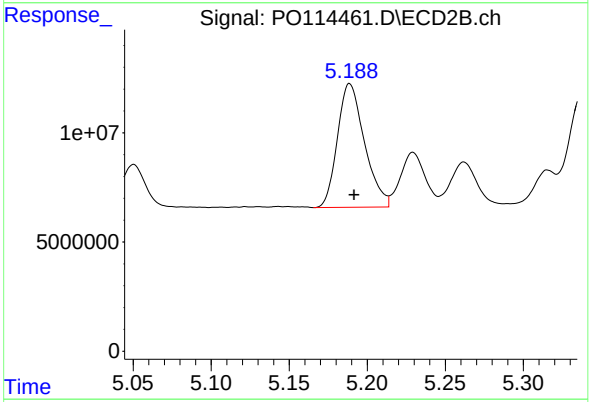
#7 AR-1016-5

R.T.: 5.965 min
Delta R.T.: 0.002 min
Response: 65167316
Conc: 516.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

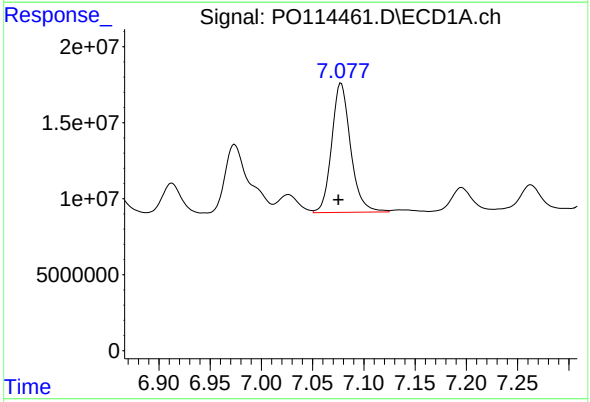
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



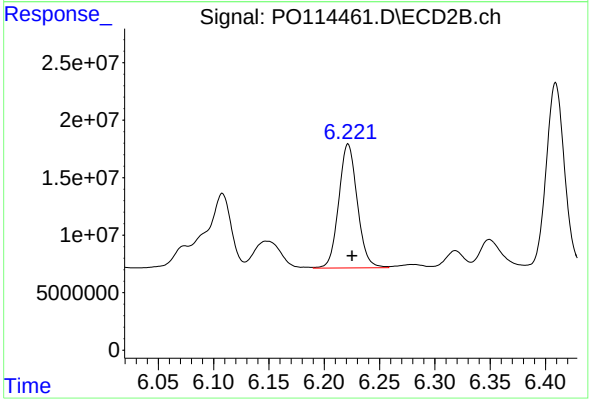
#7 AR-1016-5

R.T.: 5.189 min
Delta R.T.: -0.003 min
Response: 68326290
Conc: 534.40 ng/ml



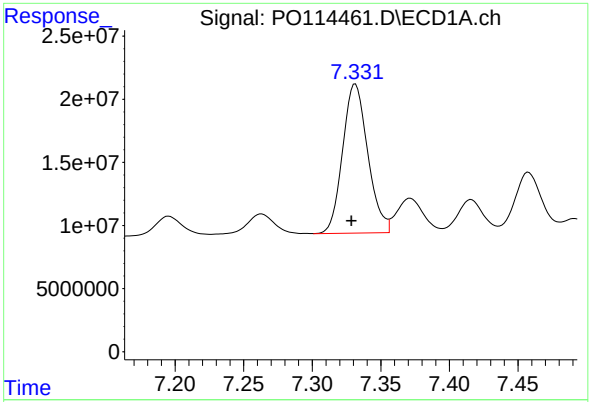
#31 AR-1260-1

R.T.: 7.078 min
Delta R.T.: 0.003 min
Response: 109094848
Conc: 500.59 ng/ml



#31 AR-1260-1

R.T.: 6.222 min
Delta R.T.: -0.004 min
Response: 125885285
Conc: 534.58 ng/ml



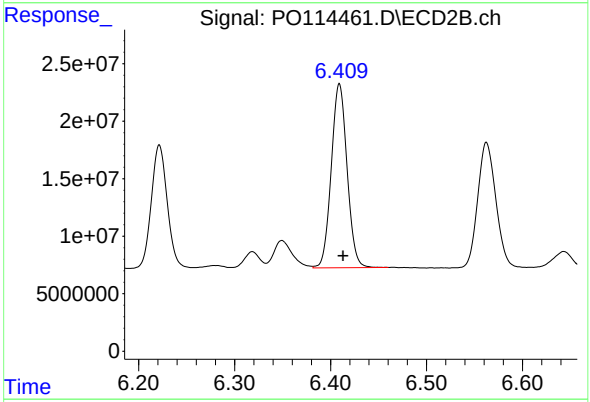
#32 AR-1260-2

R.T.: 7.331 min
Delta R.T.: 0.003 min
Response: 150832612
Conc: 488.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

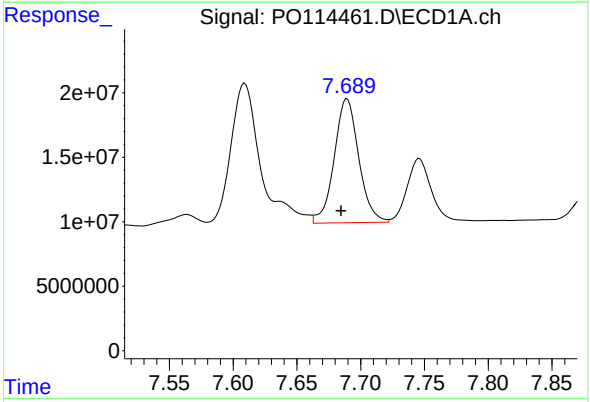
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



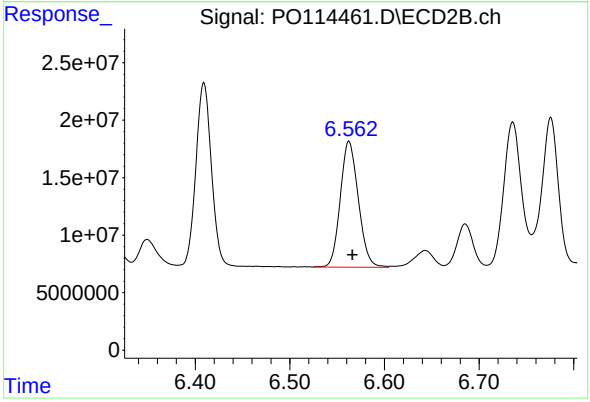
#32 AR-1260-2

R.T.: 6.409 min
Delta R.T.: -0.004 min
Response: 183189758
Conc: 547.83 ng/ml



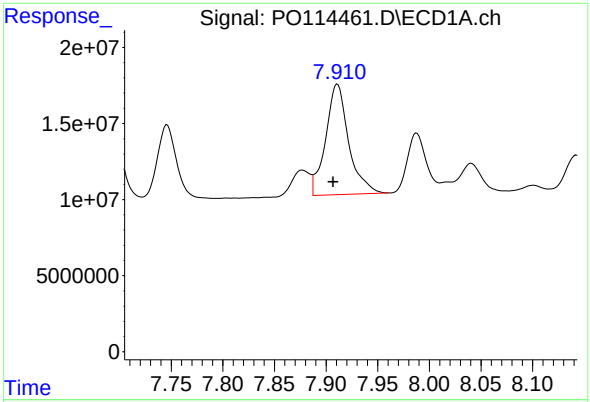
#33 AR-1260-3

R.T.: 7.689 min
Delta R.T.: 0.005 min
Response: 128950631
Conc: 502.79 ng/ml



#33 AR-1260-3

R.T.: 6.562 min
Delta R.T.: -0.004 min
Response: 145137481
Conc: 492.09 ng/ml



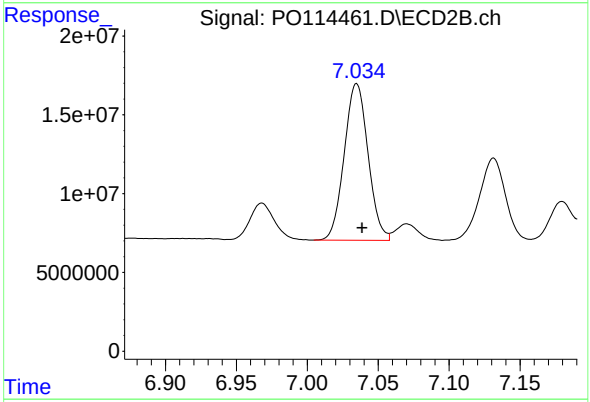
#34 AR-1260-4

R.T.: 7.911 min
Delta R.T.: 0.004 min
Response: 112875123
Conc: 484.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

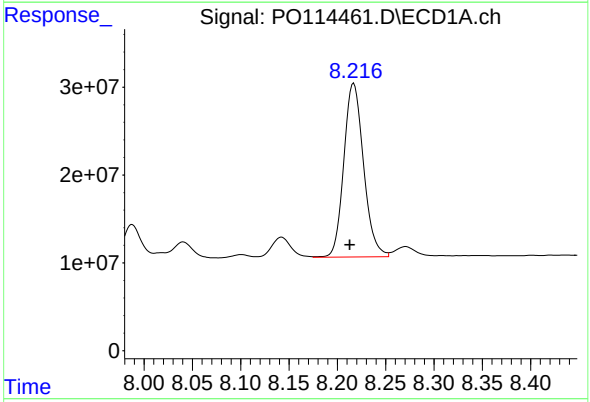
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



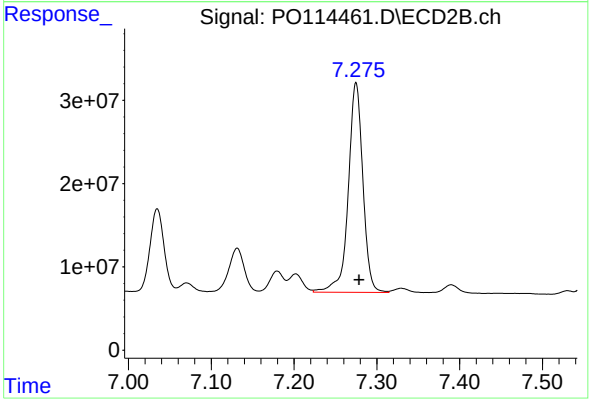
#34 AR-1260-4

R.T.: 7.035 min
Delta R.T.: -0.004 min
Response: 116383434
Conc: 522.11 ng/ml



#35 AR-1260-5

R.T.: 8.217 min
Delta R.T.: 0.004 min
Response: 280742444
Conc: 483.90 ng/ml



#35 AR-1260-5

R.T.: 7.275 min
Delta R.T.: -0.004 min
Response: 308283776
Conc: 502.94 ng/ml

Raw Data: **PP075835.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 09:48 **Initial Calibration Time(s):** 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.98	5.99	5.89	6.09	0.01
Aroclor-1016-5	(5)	6.27	6.28	6.18	6.38	0.01
Aroclor-1260-1	(1)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-2	(2)	7.64	7.65	7.55	7.75	0.01
Aroclor-1260-3	(3)	8.00	8.01	7.91	8.11	0.01
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

Raw Data: **PP075835.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 09:48 **Initial Calibration Time(s):** 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.31	5.33	5.23	5.43	0.02
Aroclor-1260-1	(1)	6.34	6.36	6.26	6.46	0.02
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.68	6.70	6.60	6.80	0.02
Aroclor-1260-4	(4)	7.15	7.17	7.07	7.27	0.02
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075835.D **Time Analyzed:** 09:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.801	5.708	5.908	560.820	500.000	12.2
Aroclor-1016-2	5.822	5.729	5.929	574.390	500.000	14.9
Aroclor-1016-3	5.885	5.792	5.992	576.750	500.000	15.4
Aroclor-1016-4	5.982	5.889	6.089	604.370	500.000	20.9
Aroclor-1016-5	6.274	6.181	6.381	592.100	500.000	18.4
Aroclor-1260-1	7.392	7.299	7.499	542.950	500.000	8.6
Aroclor-1260-2	7.644	7.551	7.751	530.010	500.000	6.0
Aroclor-1260-3	8.002	7.909	8.109	578.720	500.000	15.7
Aroclor-1260-4	8.230	8.137	8.337	587.280	500.000	17.5
Aroclor-1260-5	8.556	8.464	8.664	582.040	500.000	16.4
Decachlorobiphenyl	10.426	10.334	10.534	46.550	50.000	-6.9
Tetrachloro-m-xylene	4.648	4.555	4.755	52.660	50.000	5.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075835.D **Time Analyzed:** 09:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.883	4.793	4.993	558.610	500.000	11.7
Aroclor-1016-2	4.940	4.851	5.051	586.980	500.000	17.4
Aroclor-1016-3	5.060	4.971	5.171	525.120	500.000	5.0
Aroclor-1016-4	5.100	5.011	5.211	574.590	500.000	14.9
Aroclor-1016-5	5.314	5.225	5.425	549.910	500.000	10.0
Aroclor-1260-1	6.342	6.255	6.455	540.530	500.000	8.1
Aroclor-1260-2	6.529	6.441	6.641	545.220	500.000	9.0
Aroclor-1260-3	6.682	6.595	6.795	520.850	500.000	4.2
Aroclor-1260-4	7.151	7.065	7.265	490.770	500.000	-1.8
Aroclor-1260-5	7.391	7.304	7.504	514.870	500.000	3.0
Decachlorobiphenyl	8.787	8.703	8.903	51.610	50.000	3.2
Tetrachloro-m-xylene	3.788	3.696	3.896	51.430	50.000	2.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 09:48
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: Oct 17 13:07:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.648	3.788	68899384	313.8E6	52.656	51.435
2)	SA Decachlor...	10.426	8.787	46434118	311.3E6	46.548	51.612
	Target Compounds						
3)	L1 AR-1016-1	5.801	4.883	26978158	313.4E6	560.821	558.610
4)	L1 AR-1016-2	5.822	4.940	41200149	150.9E6	574.389	586.984
5)	L1 AR-1016-3	5.885	5.060	26836813	81534253	576.754	525.118
6)	L1 AR-1016-4	5.982	5.100	21537759	84445956	604.371	574.587
7)	L1 AR-1016-5	6.274	5.314	19966458	89844879	592.102	549.906
31)	L7 AR-1260-1	7.392	6.342	32642080	219.4E6	542.953	540.534
32)	L7 AR-1260-2	7.644	6.529	38583553	314.0E6	530.008	545.219
33)	L7 AR-1260-3	8.002	6.682	31334842	223.0E6	578.719	520.847
34)	L7 AR-1260-4	8.230	7.151	33203405	211.6E6	587.285	490.774
35)	L7 AR-1260-5	8.556	7.391	63913020	541.6E6	582.042	514.869

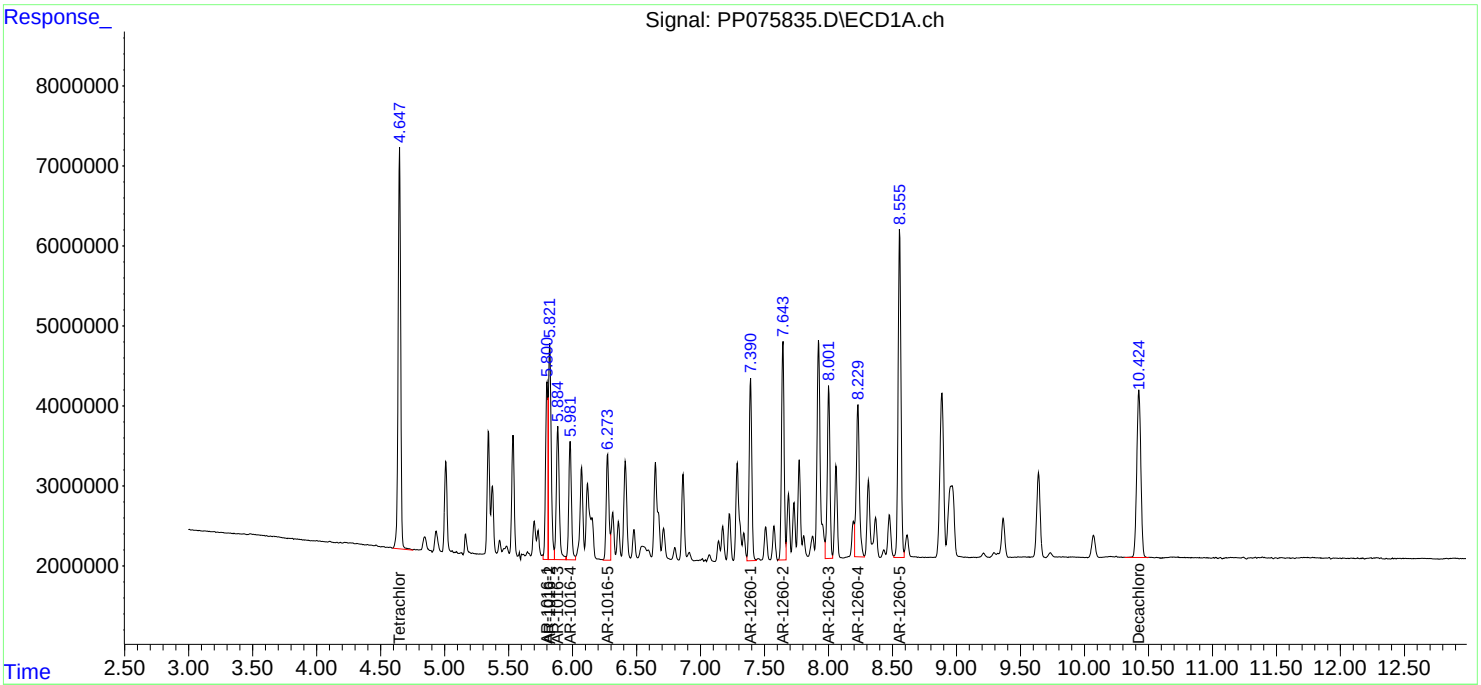
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

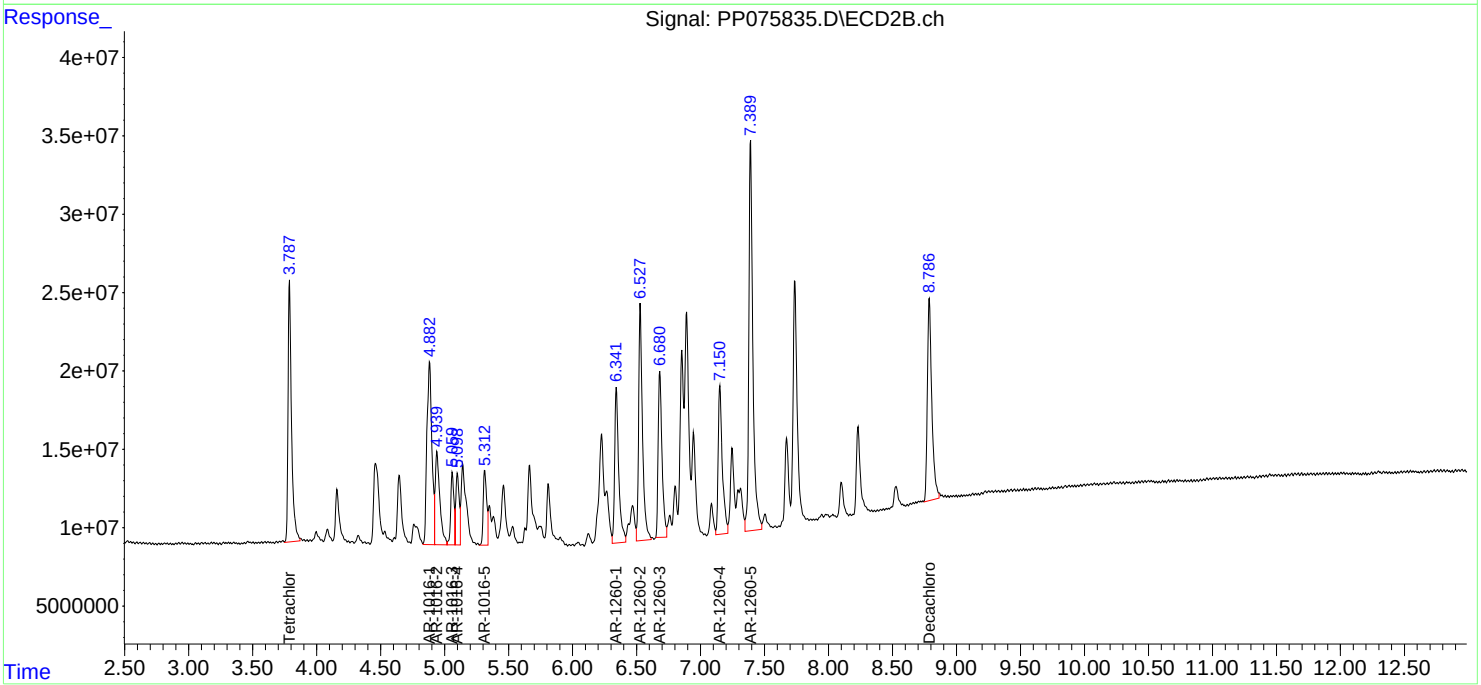
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 09:48
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

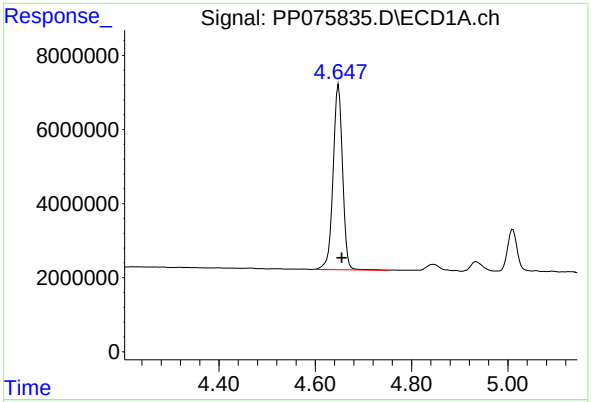
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:07:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



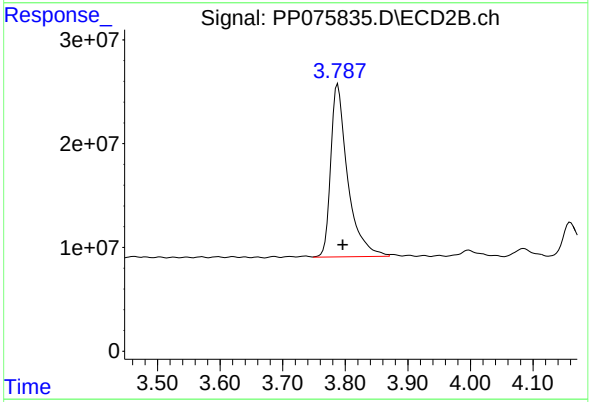




#1 Tetrachloro-m-xylene

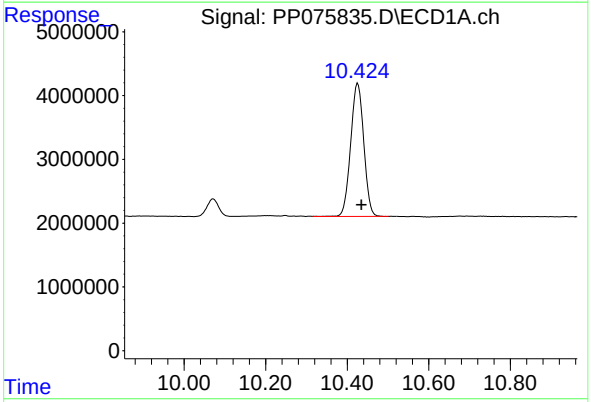
R.T.: 4.648 min
Delta R.T.: -0.007 min
Response: 68899384
Conc: 52.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



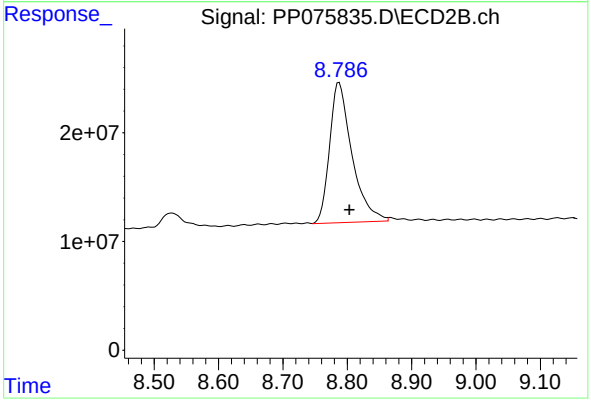
#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.008 min
Response: 313798939
Conc: 51.43 ng/ml



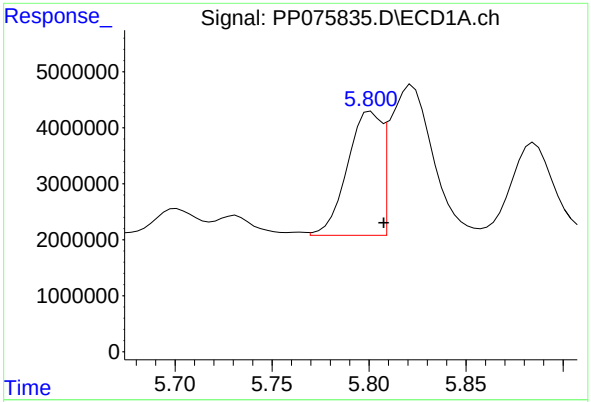
#2 Decachlorobiphenyl

R.T.: 10.426 min
Delta R.T.: -0.008 min
Response: 46434118
Conc: 46.55 ng/ml



#2 Decachlorobiphenyl

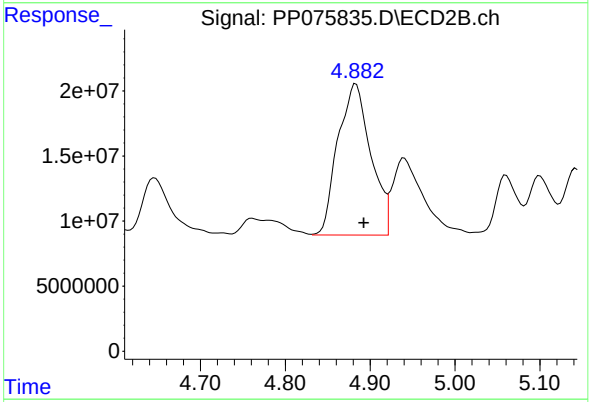
R.T.: 8.787 min
Delta R.T.: -0.016 min
Response: 311346594
Conc: 51.61 ng/ml



#3 AR-1016-1

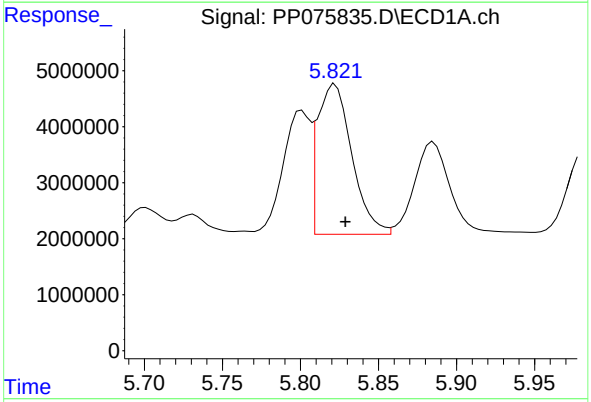
R.T.: 5.801 min
Delta R.T.: -0.007 min
Response: 26978158
Conc: 560.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



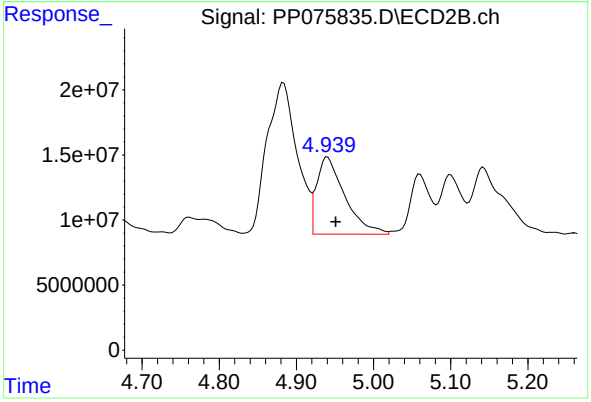
#3 AR-1016-1

R.T.: 4.883 min
Delta R.T.: -0.009 min
Response: 313387483
Conc: 558.61 ng/ml



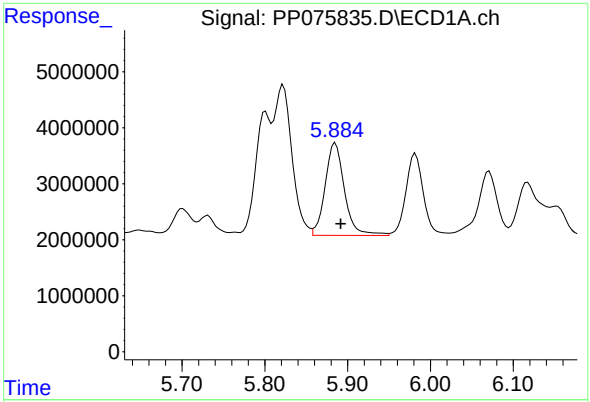
#4 AR-1016-2

R.T.: 5.822 min
Delta R.T.: -0.007 min
Response: 41200149
Conc: 574.39 ng/ml



#4 AR-1016-2

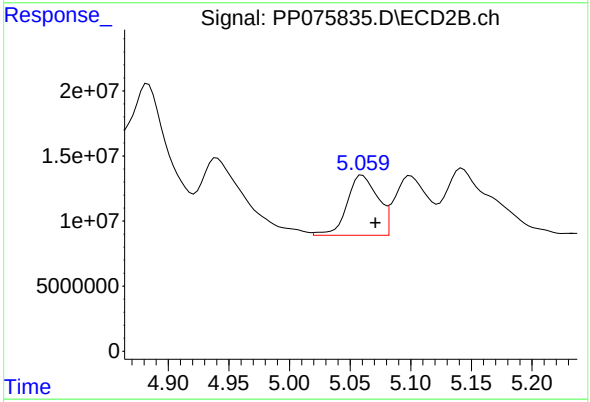
R.T.: 4.940 min
Delta R.T.: -0.011 min
Response: 150856155
Conc: 586.98 ng/ml



#5 AR-1016-3

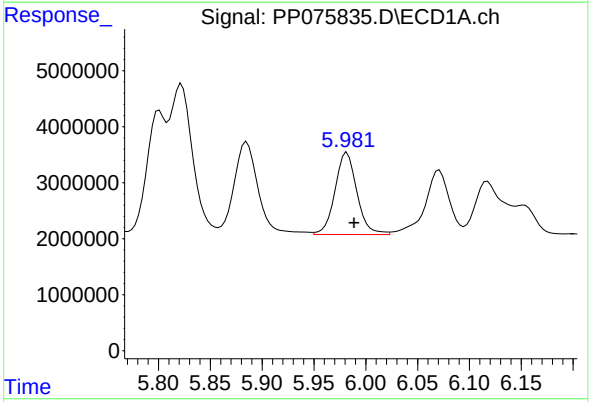
R.T.: 5.885 min
Delta R.T.: -0.006 min
Response: 26836813
Conc: 576.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



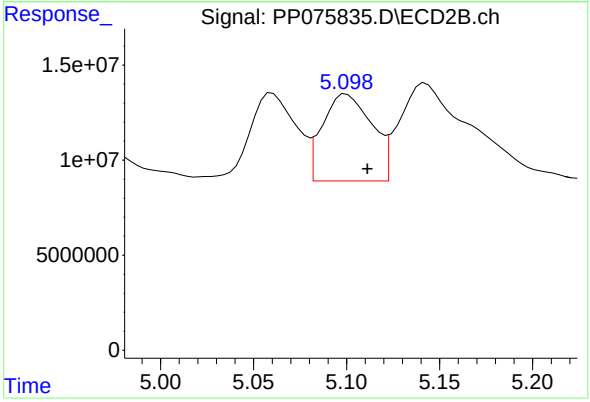
#5 AR-1016-3

R.T.: 5.060 min
Delta R.T.: -0.011 min
Response: 81534253
Conc: 525.12 ng/ml



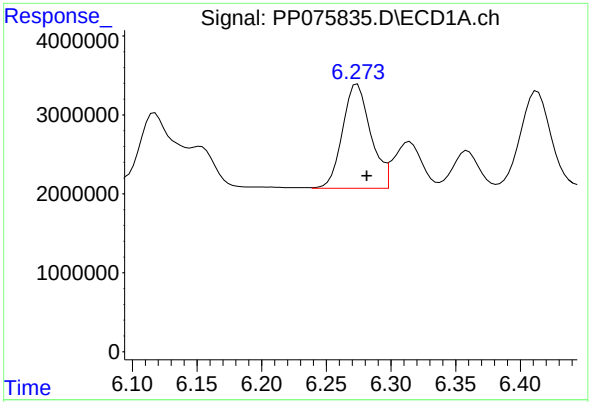
#6 AR-1016-4

R.T.: 5.982 min
Delta R.T.: -0.007 min
Response: 21537759
Conc: 604.37 ng/ml



#6 AR-1016-4

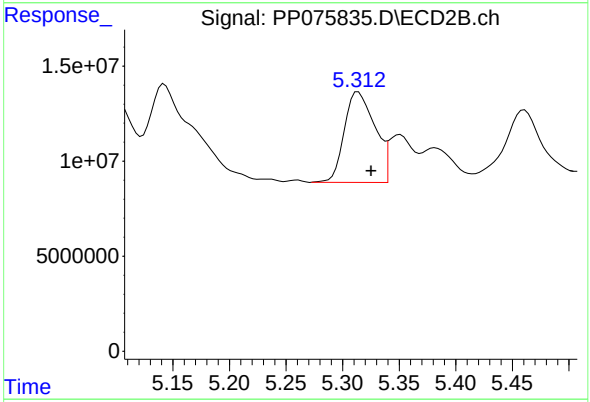
R.T.: 5.100 min
Delta R.T.: -0.011 min
Response: 84445956
Conc: 574.59 ng/ml



#7 AR-1016-5

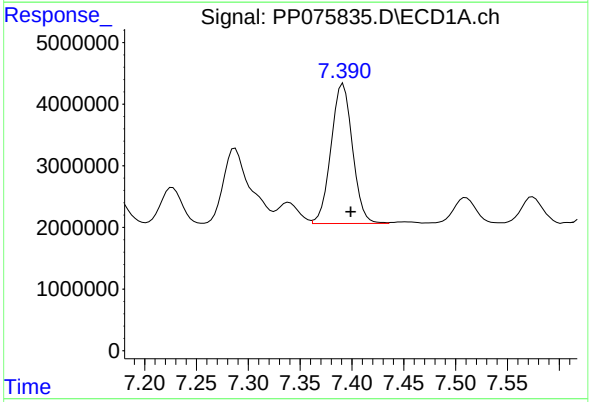
R.T.: 6.274 min
Delta R.T.: -0.007 min
Response: 19966458
Conc: 592.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



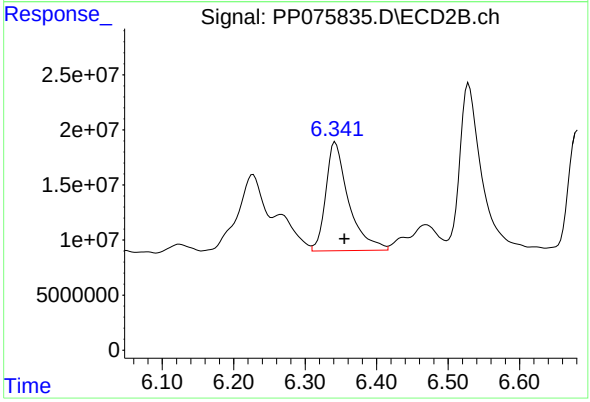
#7 AR-1016-5

R.T.: 5.314 min
Delta R.T.: -0.011 min
Response: 89844879
Conc: 549.91 ng/ml



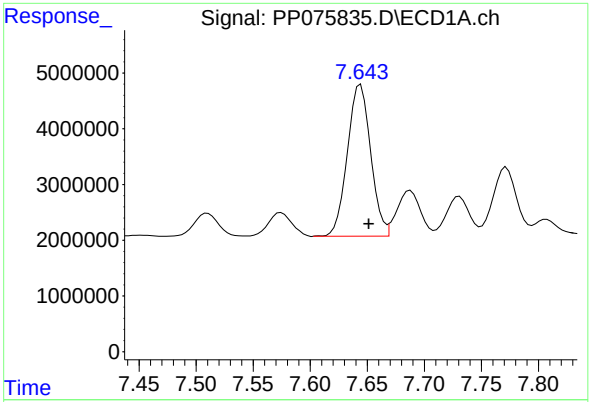
#31 AR-1260-1

R.T.: 7.392 min
Delta R.T.: -0.007 min
Response: 32642080
Conc: 542.95 ng/ml



#31 AR-1260-1

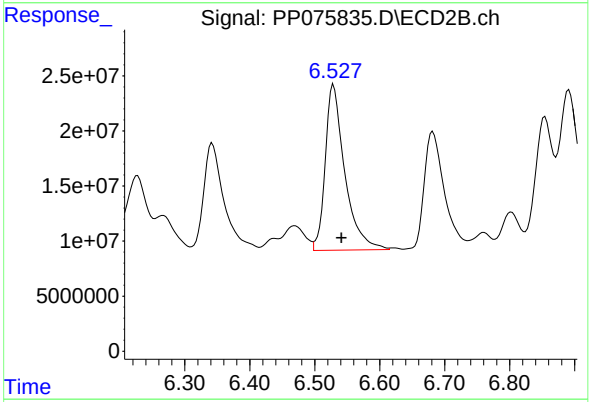
R.T.: 6.342 min
Delta R.T.: -0.013 min
Response: 219421771
Conc: 540.53 ng/ml



#32 AR-1260-2

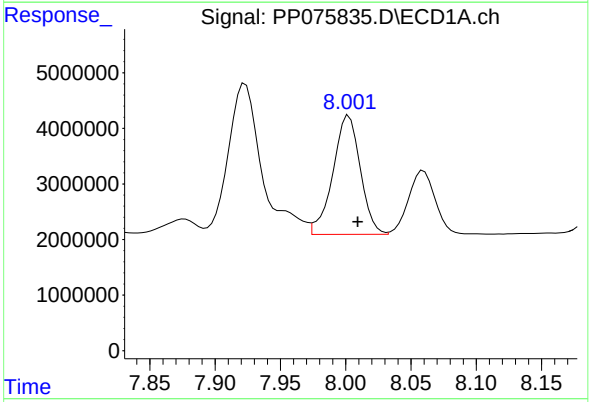
R.T.: 7.644 min
Delta R.T.: -0.007 min
Response: 38583553
Conc: 530.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



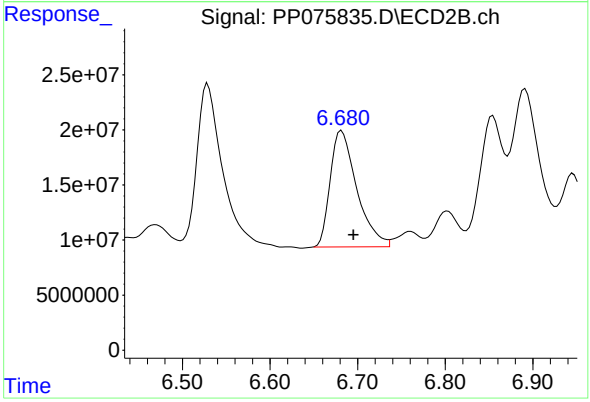
#32 AR-1260-2

R.T.: 6.529 min
Delta R.T.: -0.012 min
Response: 313953420
Conc: 545.22 ng/ml



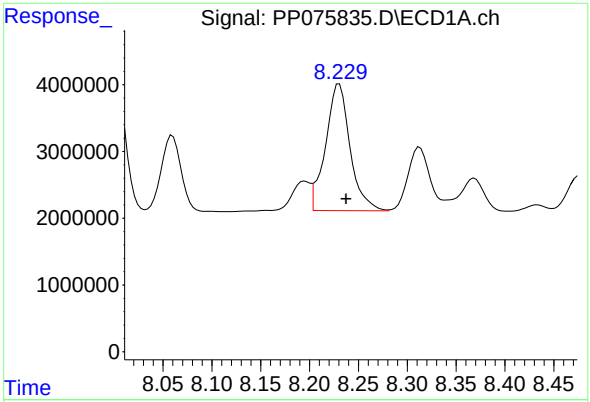
#33 AR-1260-3

R.T.: 8.002 min
Delta R.T.: -0.007 min
Response: 31334842
Conc: 578.72 ng/ml



#33 AR-1260-3

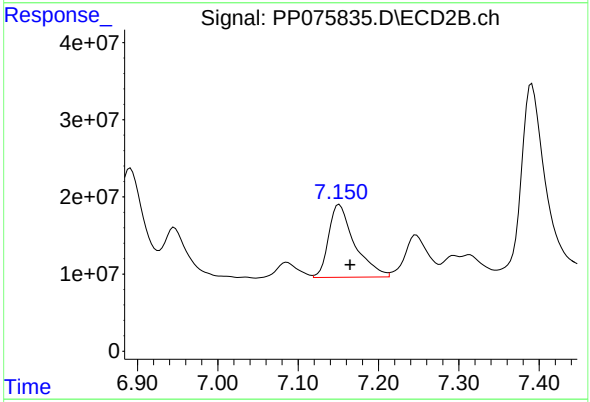
R.T.: 6.682 min
Delta R.T.: -0.014 min
Response: 222966665
Conc: 520.85 ng/ml



#34 AR-1260-4

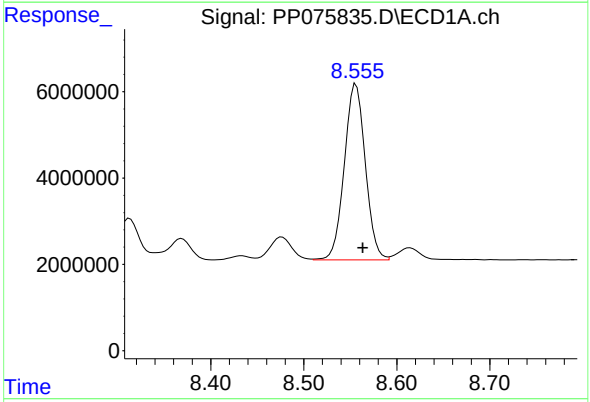
R.T.: 8.230 min
Delta R.T.: -0.007 min
Response: 33203405
Conc: 587.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



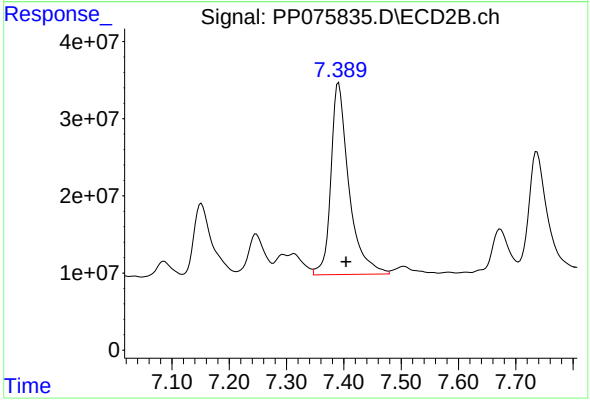
#34 AR-1260-4

R.T.: 7.151 min
Delta R.T.: -0.013 min
Response: 211633604
Conc: 490.77 ng/ml



#35 AR-1260-5

R.T.: 8.556 min
Delta R.T.: -0.007 min
Response: 63913020
Conc: 582.04 ng/ml



#35 AR-1260-5

R.T.: 7.391 min
Delta R.T.: -0.013 min
Response: 541636025
Conc: 514.87 ng/ml

Raw Data: **PP075850.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 16:18 **Initial Calibration Time(s):** 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

Raw Data: **PP075850.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 16:18 **Initial Calibration Time(s):** 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.16	7.17	7.07	7.27	0.01
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

Raw Data: **PP075850.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075850.D **Time Analyzed:** 16:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.804	5.708	5.908	560.110	500.000	12.0
Aroclor-1016-2	5.826	5.729	5.929	554.310	500.000	10.9
Aroclor-1016-3	5.888	5.792	5.992	539.710	500.000	7.9
Aroclor-1016-4	5.985	5.889	6.089	574.030	500.000	14.8
Aroclor-1016-5	6.277	6.181	6.381	557.720	500.000	11.5
Aroclor-1260-1	7.396	7.299	7.499	506.900	500.000	1.4
Aroclor-1260-2	7.648	7.551	7.751	492.860	500.000	-1.4
Aroclor-1260-3	8.006	7.909	8.109	530.570	500.000	6.1
Aroclor-1260-4	8.234	8.137	8.337	552.390	500.000	10.5
Aroclor-1260-5	8.560	8.464	8.664	558.370	500.000	11.7
Decachlorobiphenyl	10.431	10.334	10.534	44.890	50.000	-10.2
Tetrachloro-m-xylene	4.652	4.555	4.755	51.250	50.000	2.5

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075850.D **Time Analyzed:** 16:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.793	4.993	585.760	500.000	17.2
Aroclor-1016-2	4.943	4.851	5.051	574.070	500.000	14.8
Aroclor-1016-3	5.062	4.971	5.171	569.370	500.000	13.9
Aroclor-1016-4	5.103	5.011	5.211	571.670	500.000	14.3
Aroclor-1016-5	5.317	5.225	5.425	570.940	500.000	14.2
Aroclor-1260-1	6.346	6.255	6.455	503.720	500.000	0.7
Aroclor-1260-2	6.533	6.441	6.641	498.150	500.000	-0.4
Aroclor-1260-3	6.686	6.595	6.795	476.240	500.000	-4.8
Aroclor-1260-4	7.155	7.065	7.265	420.700	500.000	-15.9
Aroclor-1260-5	7.395	7.304	7.504	432.680	500.000	-13.5
Decachlorobiphenyl	8.792	8.703	8.903	46.660	50.000	-6.7
Tetrachloro-m-xylene	3.791	3.696	3.896	49.640	50.000	-0.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 16:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:05:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.652	3.791	67056639	302.8E6	51.248	49.639
2)	SA Decachlor...	10.431	8.792	44784851	281.5E6	44.895	46.656
	Target Compounds						
3)	L1 AR-1016-1	5.804	4.885	26943893	328.6E6	560.108	585.760
4)	L1 AR-1016-2	5.826	4.943	39760132	147.5E6	554.314	574.068m
5)	L1 AR-1016-3	5.888	5.062	25112968	88405196	539.707	569.370
6)	L1 AR-1016-4	5.985	5.103	20456406	84017469	574.027	571.672
7)	L1 AR-1016-5	6.277	5.317	18807038	93281308	557.720	570.939
31)	L7 AR-1260-1	7.396	6.346	30474751	204.5E6	506.903	503.725
32)	L7 AR-1260-2	7.648	6.533	35879434	286.9E6	492.863	498.154
33)	L7 AR-1260-3	8.006	6.686	28727789	203.9E6	530.570	476.243
34)	L7 AR-1260-4	8.234	7.155	31230797	181.4E6	552.394	420.699
35)	L7 AR-1260-5	8.560	7.395	61314044	455.2E6	558.374	432.685

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

Sample Results: **PP075850.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 16:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

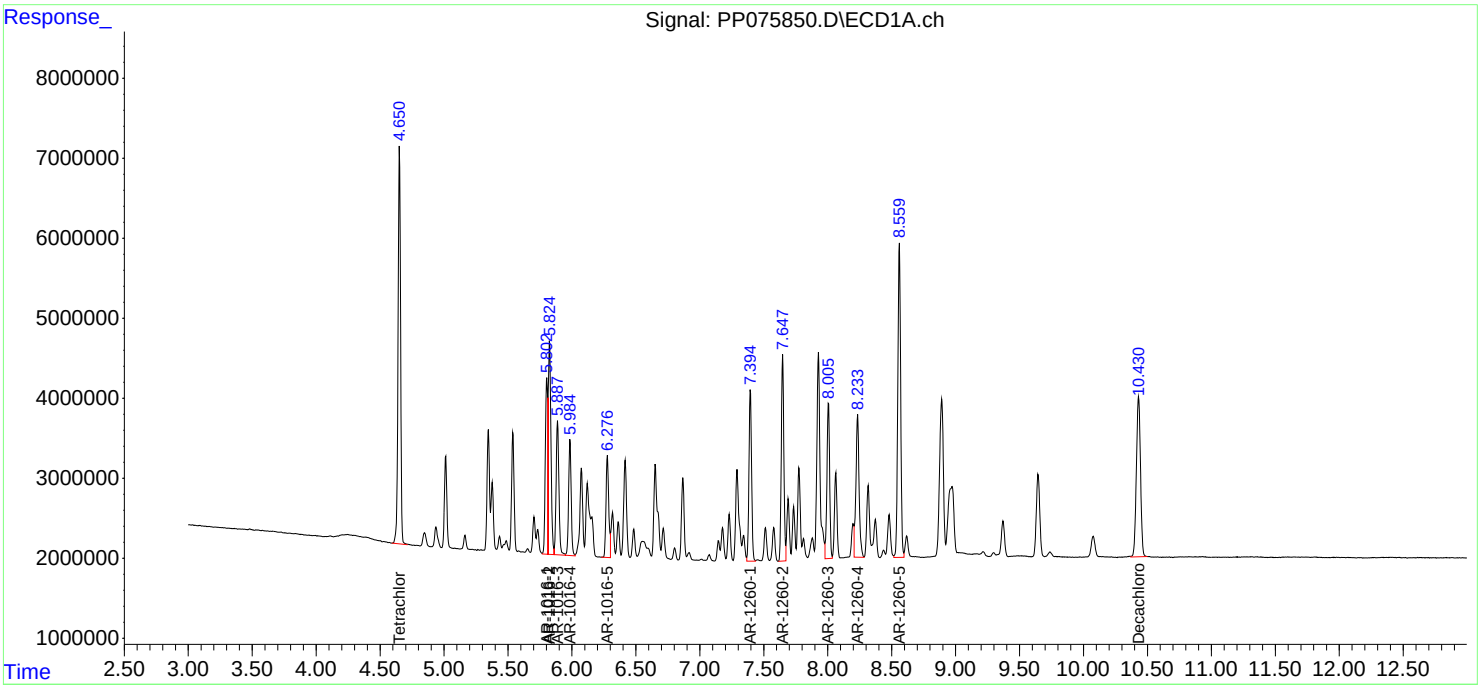
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

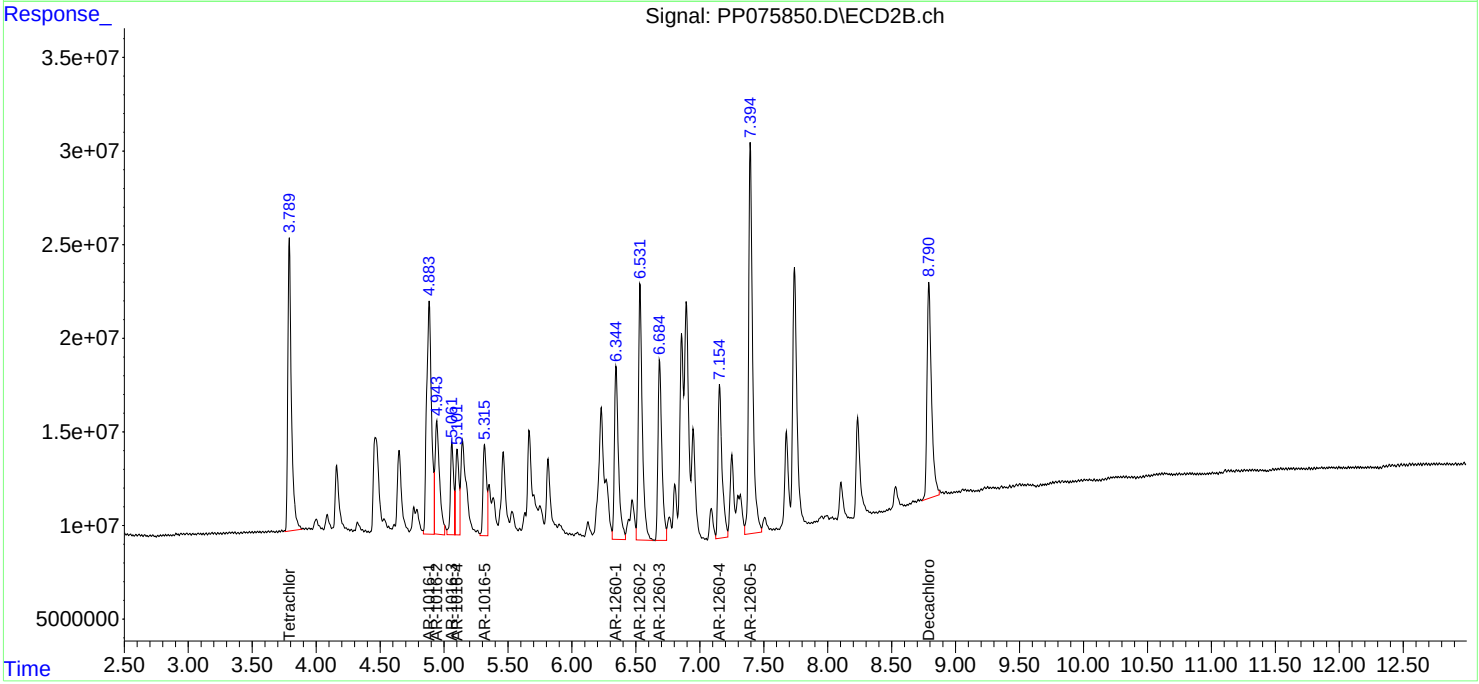
Manual Integrations APPROVED

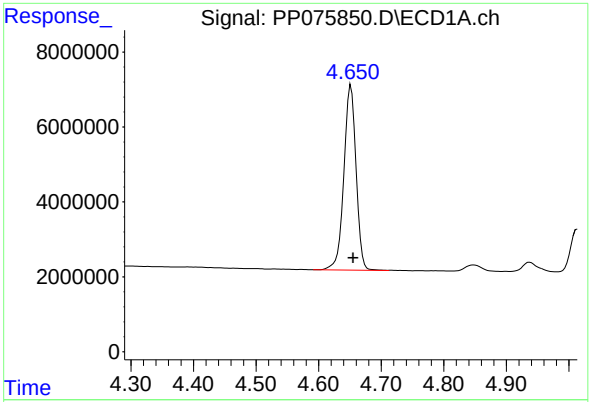
Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:05:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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







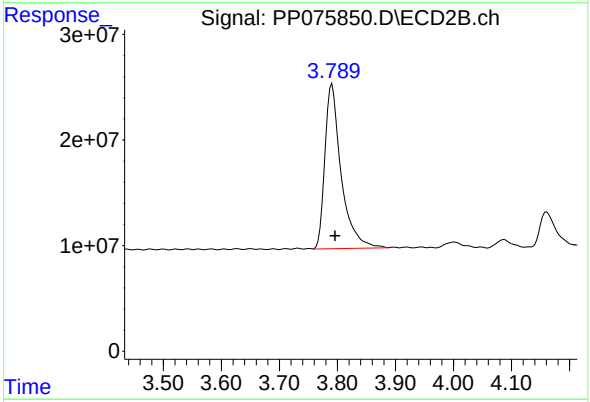
#1 Tetrachloro-m-xylene

R.T.: 4.652 min
Delta R.T.: -0.003 min
Response: 67056639
Conc: 51.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

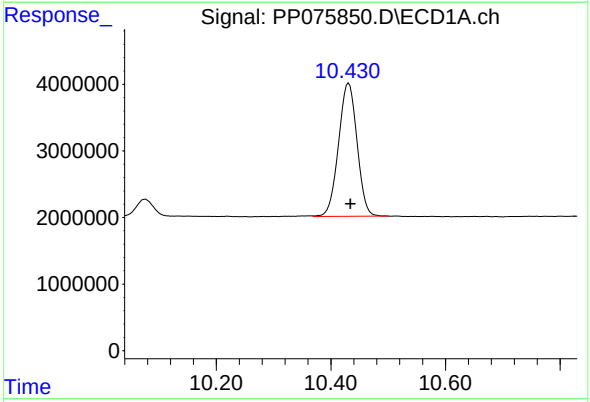
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



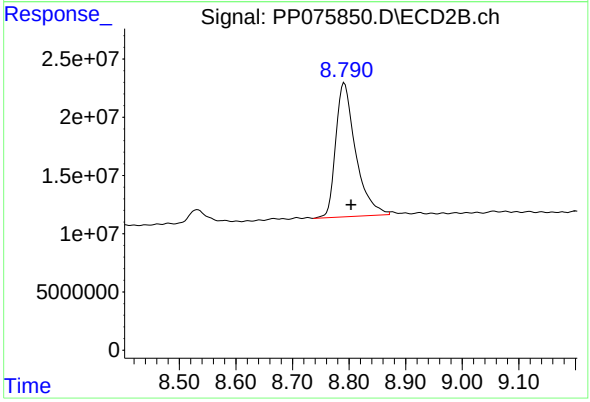
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: -0.005 min
Response: 302844165
Conc: 49.64 ng/ml



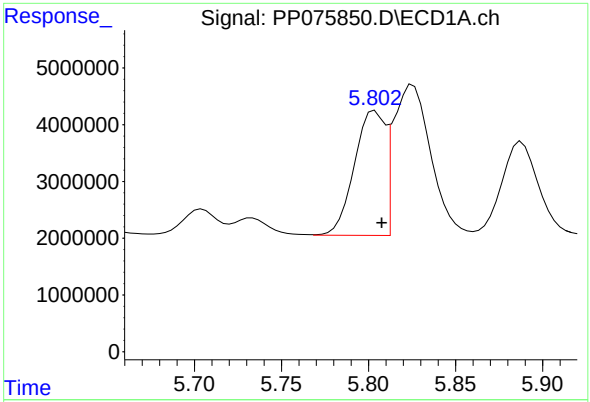
#2 Decachlorobiphenyl

R.T.: 10.431 min
Delta R.T.: -0.003 min
Response: 44784851
Conc: 44.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.792 min
Delta R.T.: -0.012 min
Response: 281454674
Conc: 46.66 ng/ml



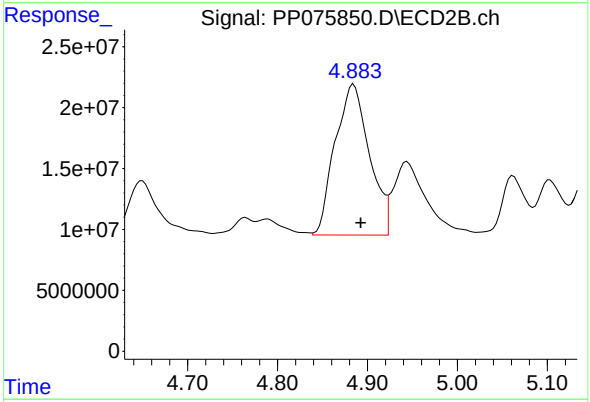
#3 AR-1016-1

R.T.: 5.804 min
Delta R.T.: -0.004 min
Response: 26943893
Conc: 560.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

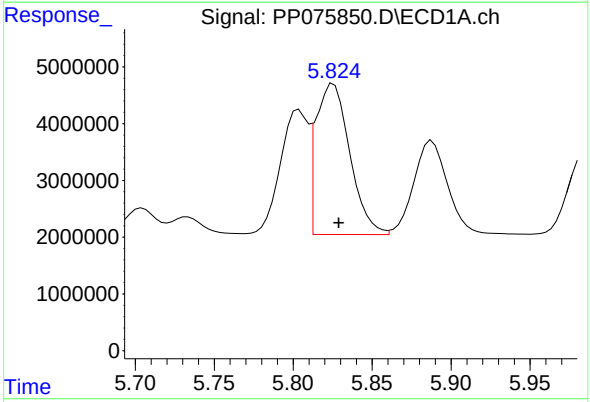
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



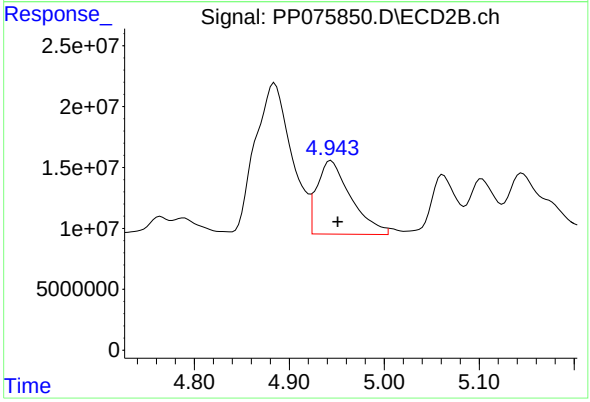
#3 AR-1016-1

R.T.: 4.885 min
Delta R.T.: -0.008 min
Response: 328618986
Conc: 585.76 ng/ml



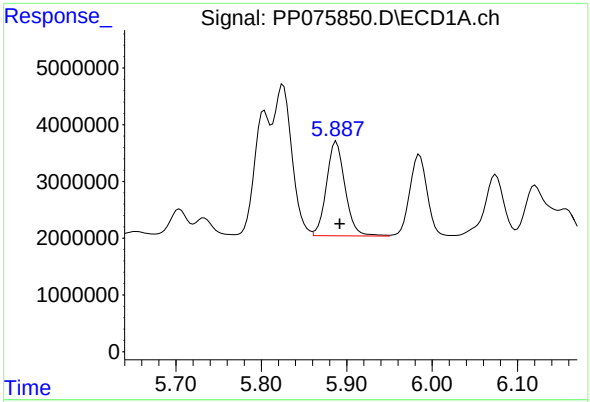
#4 AR-1016-2

R.T.: 5.826 min
Delta R.T.: -0.003 min
Response: 39760132
Conc: 554.31 ng/ml



#4 AR-1016-2

R.T.: 4.943 min
Delta R.T.: -0.009 min
Response: 147536678
Conc: 574.07 ng/ml m



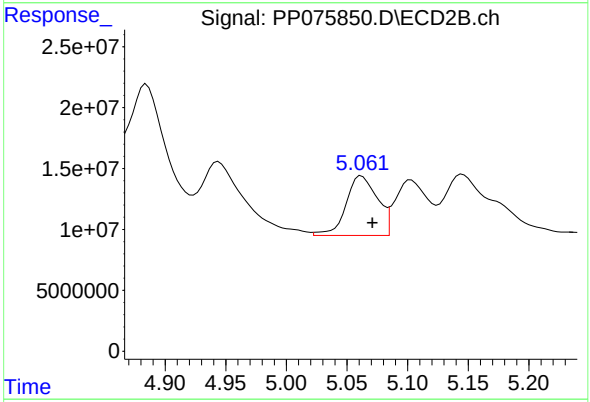
#5 AR-1016-3

R.T.: 5.888 min
Delta R.T.: -0.004 min
Response: 25112968
Conc: 539.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

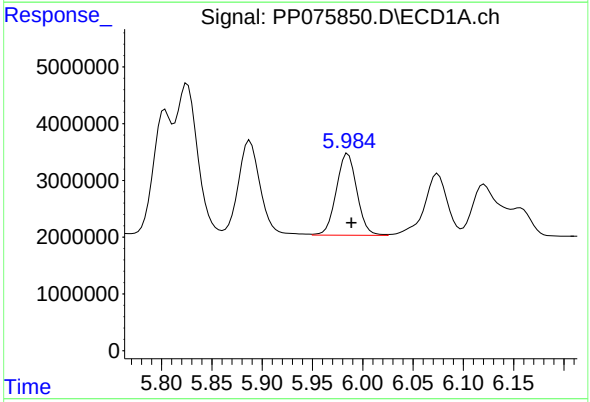
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



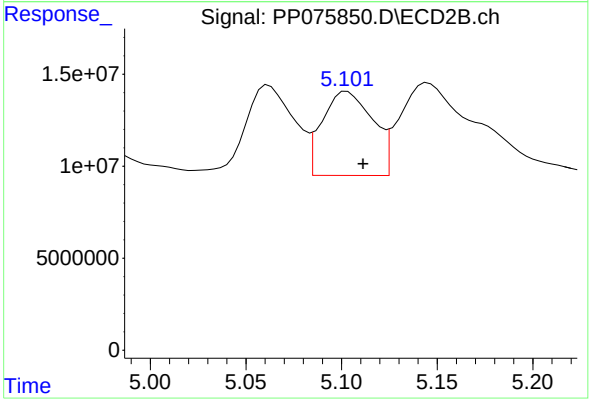
#5 AR-1016-3

R.T.: 5.062 min
Delta R.T.: -0.009 min
Response: 88405196
Conc: 569.37 ng/ml



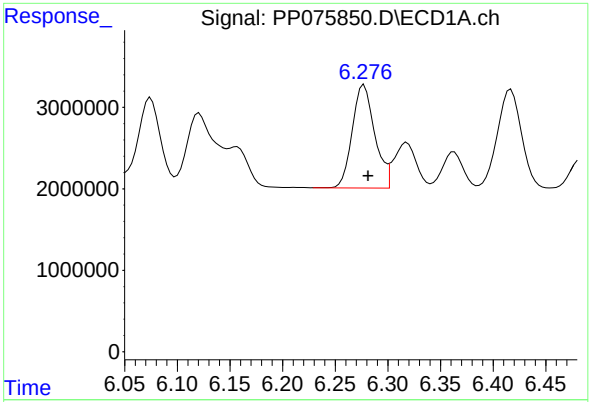
#6 AR-1016-4

R.T.: 5.985 min
Delta R.T.: -0.003 min
Response: 20456406
Conc: 574.03 ng/ml



#6 AR-1016-4

R.T.: 5.103 min
Delta R.T.: -0.008 min
Response: 84017469
Conc: 571.67 ng/ml



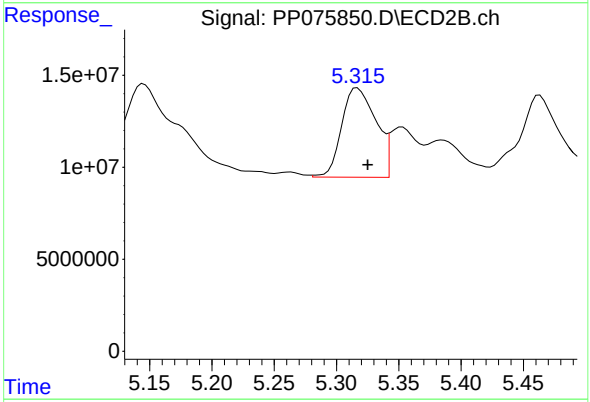
#7 AR-1016-5

R.T.: 6.277 min
Delta R.T.: -0.004 min
Response: 18807038
Conc: 557.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

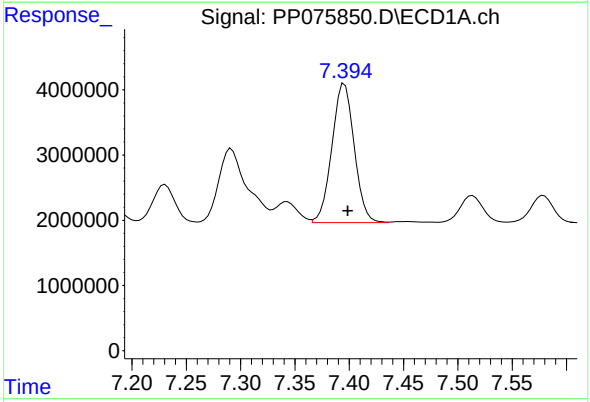
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



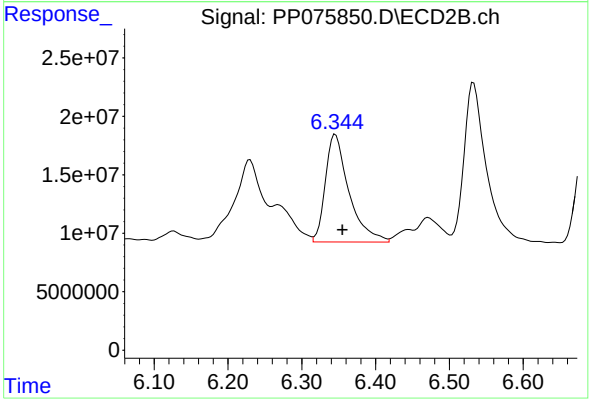
#7 AR-1016-5

R.T.: 5.317 min
Delta R.T.: -0.008 min
Response: 93281308
Conc: 570.94 ng/ml



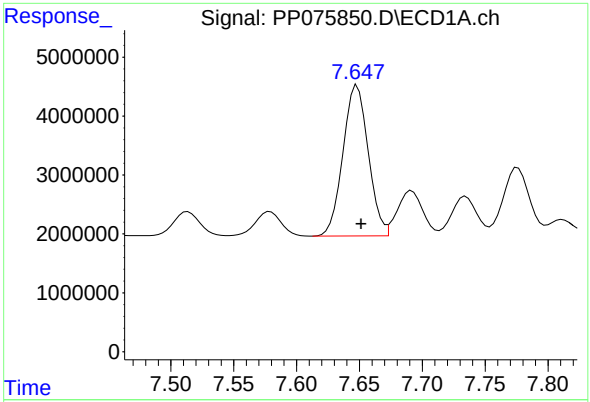
#31 AR-1260-1

R.T.: 7.396 min
Delta R.T.: -0.003 min
Response: 30474751
Conc: 506.90 ng/ml



#31 AR-1260-1

R.T.: 6.346 min
Delta R.T.: -0.009 min
Response: 204479604
Conc: 503.72 ng/ml



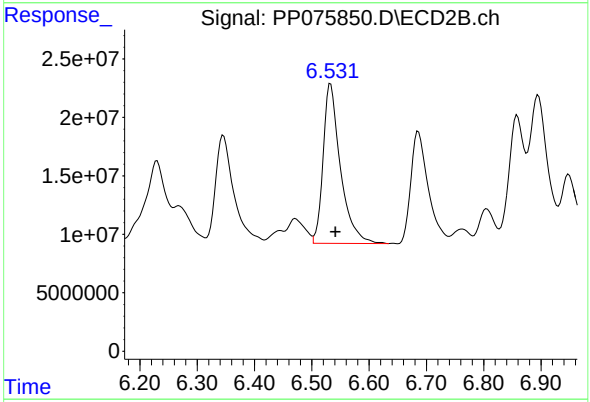
#32 AR-1260-2

R.T.: 7.648 min
Delta R.T.: -0.003 min
Response: 35879434
Conc: 492.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

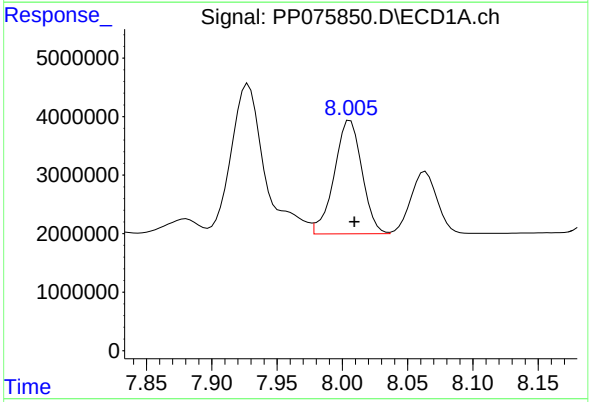
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



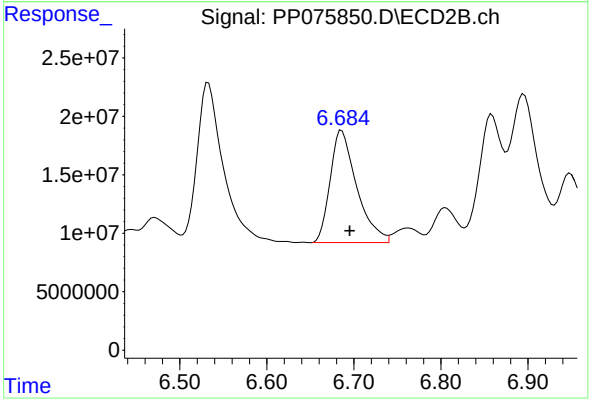
#32 AR-1260-2

R.T.: 6.533 min
Delta R.T.: -0.008 min
Response: 286851831
Conc: 498.15 ng/ml



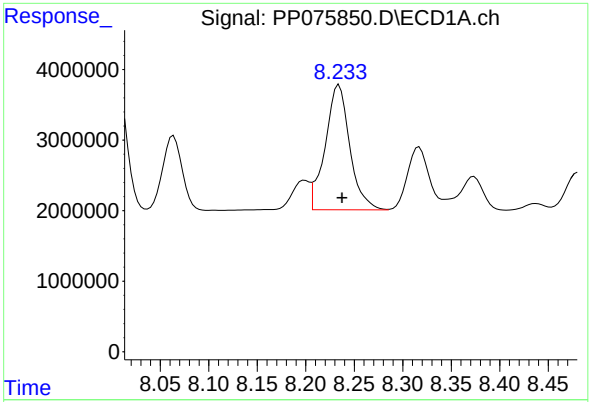
#33 AR-1260-3

R.T.: 8.006 min
Delta R.T.: -0.003 min
Response: 28727789
Conc: 530.57 ng/ml



#33 AR-1260-3

R.T.: 6.686 min
Delta R.T.: -0.009 min
Response: 203872394
Conc: 476.24 ng/ml



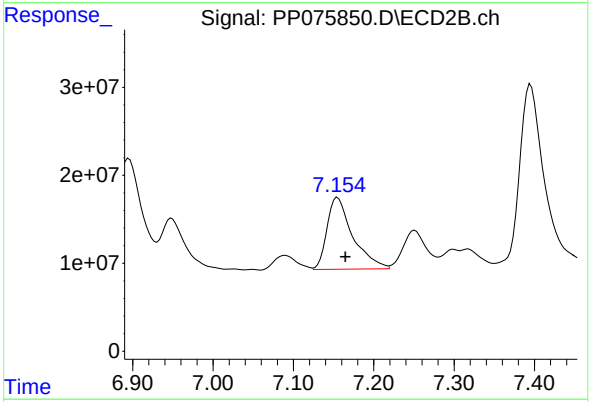
#34 AR-1260-4

R.T.: 8.234 min
Delta R.T.: -0.003 min
Response: 31230797
Conc: 552.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

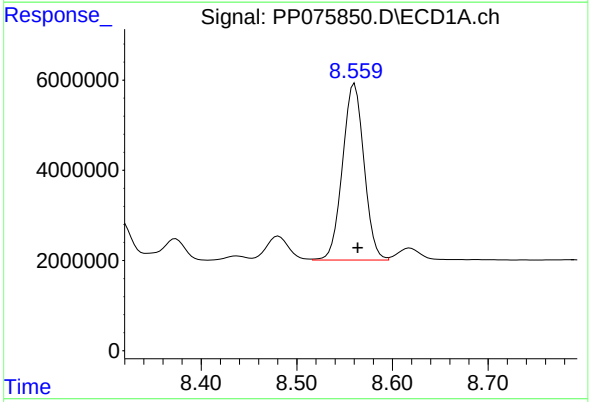
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



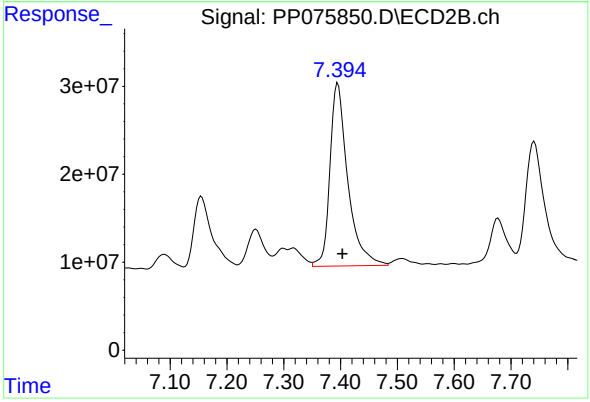
#34 AR-1260-4

R.T.: 7.155 min
Delta R.T.: -0.010 min
Response: 181415479
Conc: 420.70 ng/ml



#35 AR-1260-5

R.T.: 8.560 min
Delta R.T.: -0.003 min
Response: 61314044
Conc: 558.37 ng/ml



#35 AR-1260-5

R.T.: 7.395 min
Delta R.T.: -0.008 min
Response: 455179549
Conc: 432.68 ng/ml

Raw Data: **PP075862.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 20:38 **Initial Calibration Time(s):** 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.01
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.01
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

Raw Data: **PP075862.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 20:38 **Initial Calibration Time(s):** 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.02
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.02
Aroclor-1260-4	(4)	7.15	7.17	7.07	7.27	0.02
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075862.D **Time Analyzed:** 20:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.803	5.708	5.908	514.790	500.000	3.0
Aroclor-1016-2	5.825	5.729	5.929	517.700	500.000	3.5
Aroclor-1016-3	5.888	5.792	5.992	501.680	500.000	0.3
Aroclor-1016-4	5.985	5.889	6.089	536.970	500.000	7.4
Aroclor-1016-5	6.277	6.181	6.381	525.610	500.000	5.1
Aroclor-1260-1	7.395	7.299	7.499	489.380	500.000	-2.1
Aroclor-1260-2	7.648	7.551	7.751	467.900	500.000	-6.4
Aroclor-1260-3	8.005	7.909	8.109	513.780	500.000	2.8
Aroclor-1260-4	8.234	8.137	8.337	510.550	500.000	2.1
Aroclor-1260-5	8.559	8.464	8.664	519.560	500.000	3.9
Decachlorobiphenyl	10.430	10.334	10.534	42.350	50.000	-15.3
Tetrachloro-m-xylene	4.652	4.555	4.755	48.990	50.000	-2.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075862.D **Time Analyzed:** 20:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.793	4.993	590.830	500.000	18.2
Aroclor-1016-2	4.942	4.851	5.051	541.470	500.000	8.3
Aroclor-1016-3	5.063	4.971	5.171	568.040	500.000	13.6
Aroclor-1016-4	5.103	5.011	5.211	592.080	500.000	18.4
Aroclor-1016-5	5.317	5.225	5.425	542.830	500.000	8.6
Aroclor-1260-1	6.345	6.255	6.455	420.570	500.000	-15.9
Aroclor-1260-2	6.532	6.441	6.641	450.650	500.000	-9.9
Aroclor-1260-3	6.685	6.595	6.795	453.010	500.000	-9.4
Aroclor-1260-4	7.154	7.065	7.265	405.010	500.000	-19.0
Aroclor-1260-5	7.394	7.304	7.504	427.800	500.000	-14.4
Decachlorobiphenyl	8.790	8.703	8.903	44.620	50.000	-10.8
Tetrachloro-m-xylene	3.791	3.696	3.896	49.220	50.000	-1.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 20:38
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:08:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.652	3.791	64103937	300.3E6	48.991	49.219
2)	SA Decachlor...	10.430	8.790	42249180	269.2E6	42.353	44.622
	Target Compounds						
3)	L1 AR-1016-1	5.803	4.885	24763755	331.5E6	514.788	590.827
4)	L1 AR-1016-2	5.825	4.942	37133876	139.2E6	517.700	541.473m
5)	L1 AR-1016-3	5.888	5.063	23343630	88198397	501.682	568.038
6)	L1 AR-1016-4	5.985	5.103	19135923	87016600	536.973	592.079
7)	L1 AR-1016-5	6.277	5.317	17724202	88689083	525.608	542.832
31)	L7 AR-1260-1	7.395	6.345	29421181	170.7E6	489.378	420.575
32)	L7 AR-1260-2	7.648	6.532	34062369	259.5E6	467.903	450.649
33)	L7 AR-1260-3	8.005	6.685	27818601	193.9E6	513.778	453.006
34)	L7 AR-1260-4	8.234	7.154	28865039	174.7E6	510.550	405.010
35)	L7 AR-1260-5	8.559	7.394	57051618	450.0E6	519.557	427.796

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 20:38
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

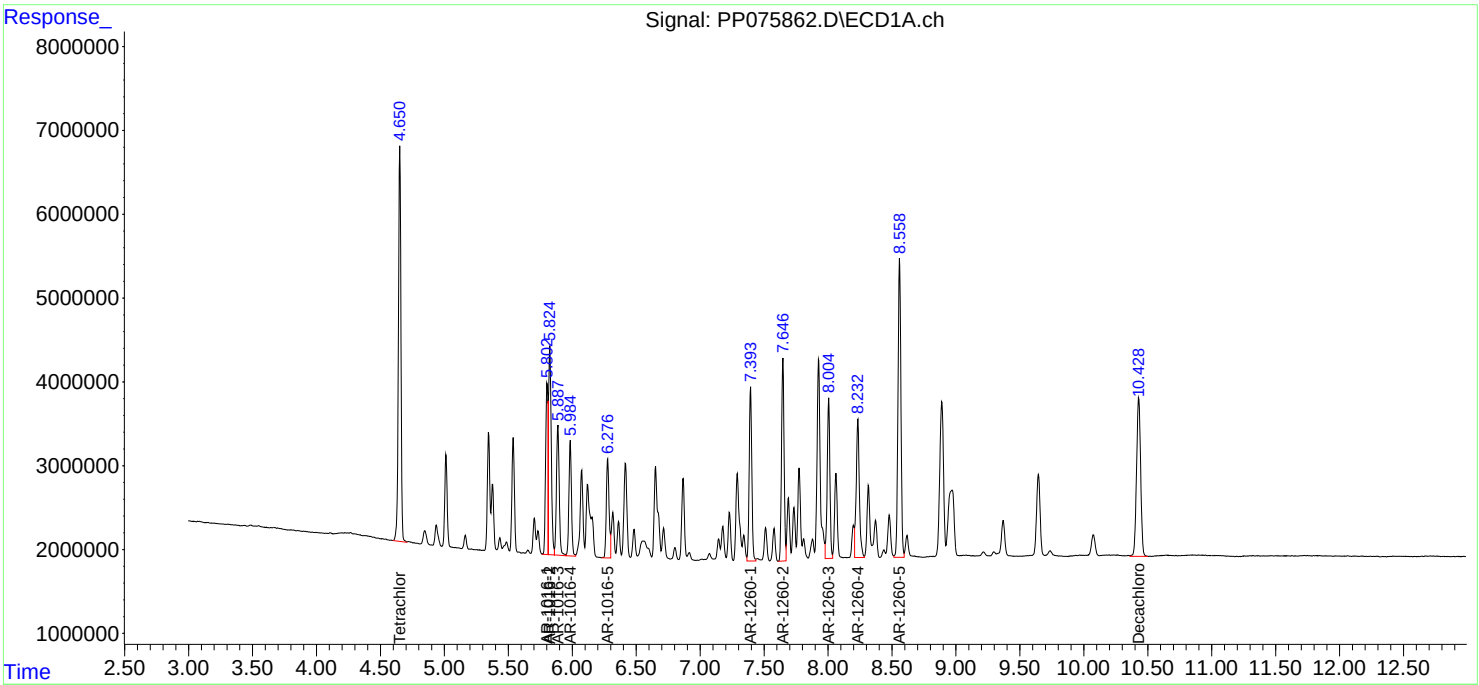
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

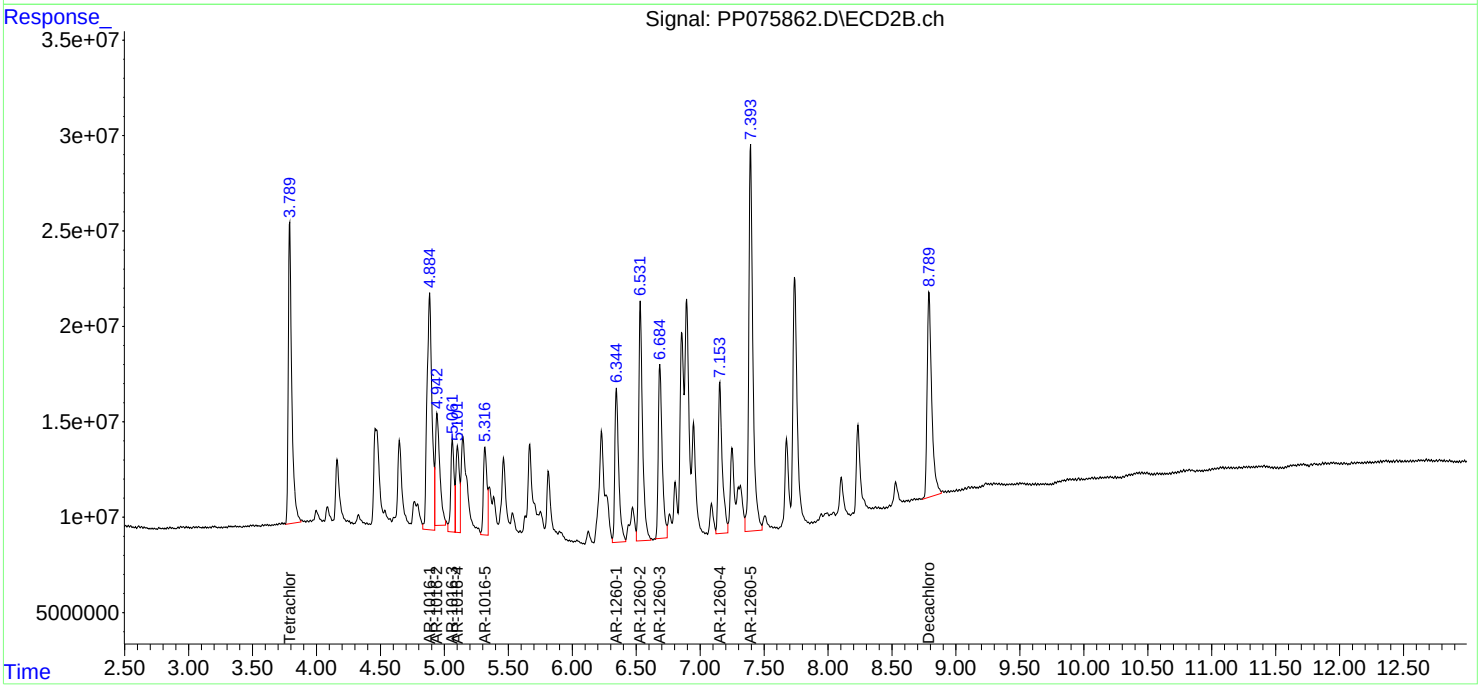
Manual Integrations APPROVED

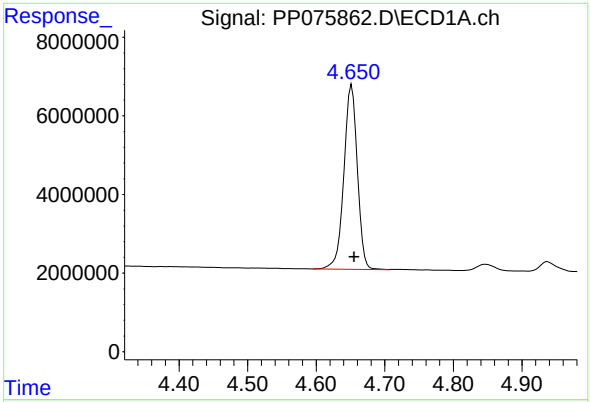
Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:08:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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







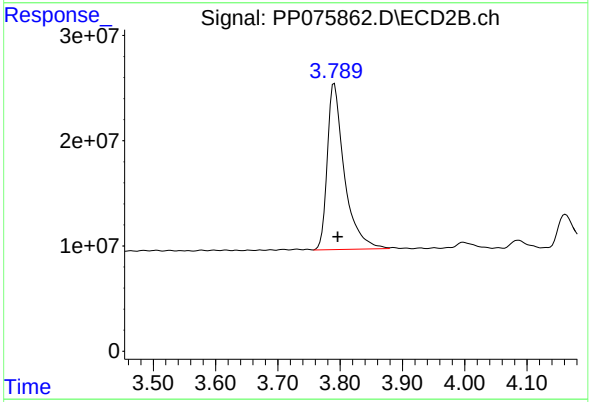
#1 Tetrachloro-m-xylene

R.T.: 4.652 min
Delta R.T.: -0.003 min
Response: 64103937
Conc: 48.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

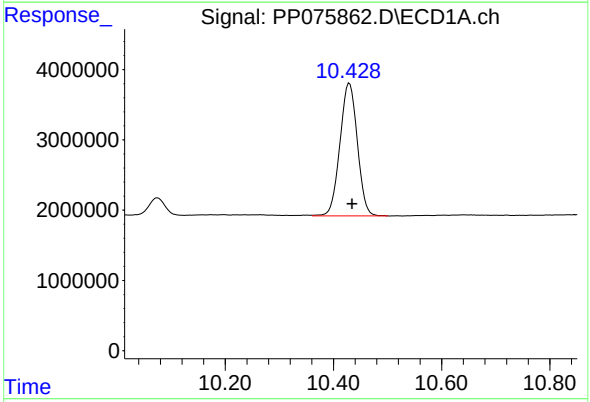
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



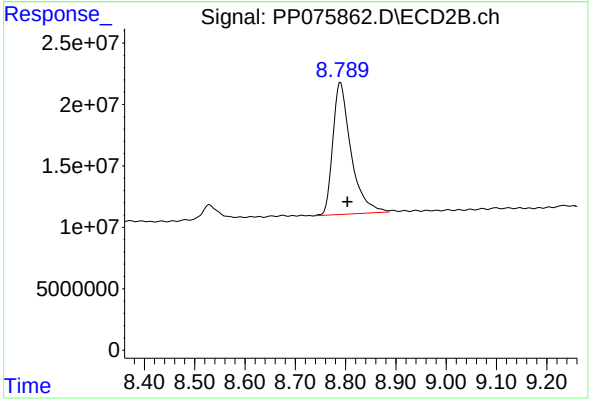
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: -0.005 min
Response: 300281739
Conc: 49.22 ng/ml



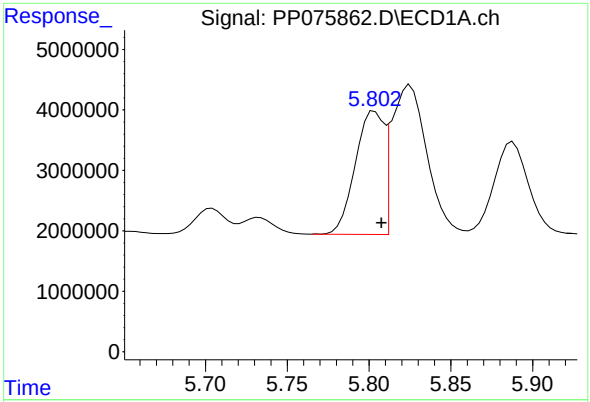
#2 Decachlorobiphenyl

R.T.: 10.430 min
Delta R.T.: -0.005 min
Response: 42249180
Conc: 42.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.790 min
Delta R.T.: -0.013 min
Response: 269180104
Conc: 44.62 ng/ml



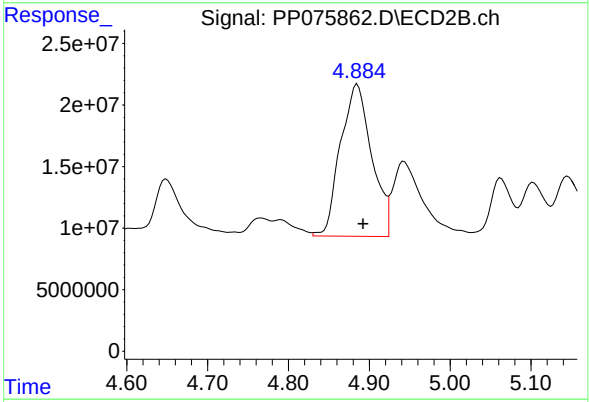
#3 AR-1016-1

R.T.: 5.803 min
Delta R.T.: -0.004 min
Response: 24763755
Conc: 514.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

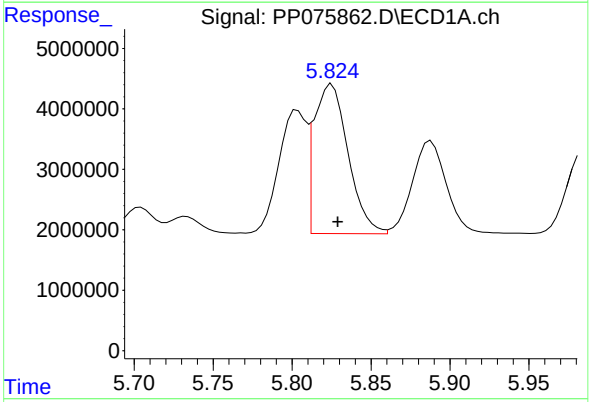
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



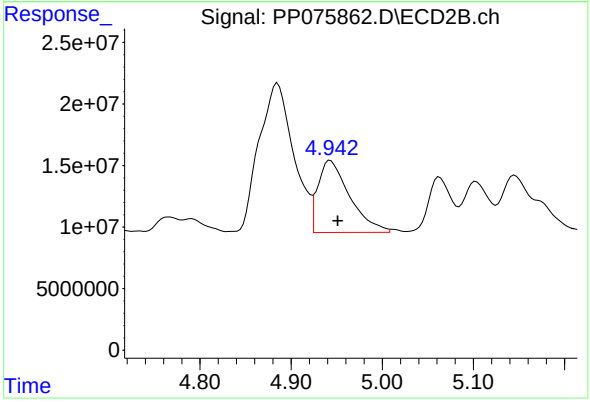
#3 AR-1016-1

R.T.: 4.885 min
Delta R.T.: -0.007 min
Response: 331461910
Conc: 590.83 ng/ml



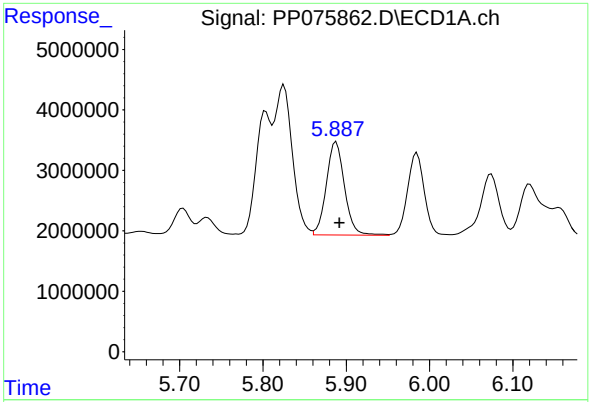
#4 AR-1016-2

R.T.: 5.825 min
Delta R.T.: -0.004 min
Response: 37133876
Conc: 517.70 ng/ml



#4 AR-1016-2

R.T.: 4.942 min
Delta R.T.: -0.010 min
Response: 139159813
Conc: 541.47 ng/ml m



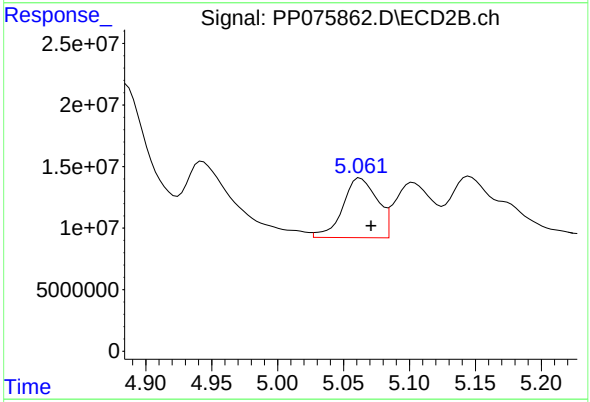
#5 AR-1016-3

R.T.: 5.888 min
Delta R.T.: -0.004 min
Response: 23343630
Conc: 501.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

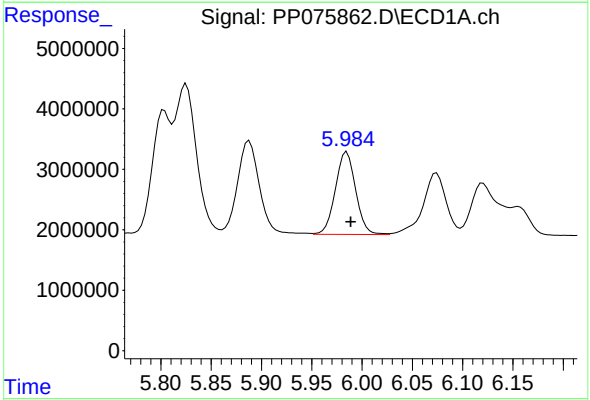
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



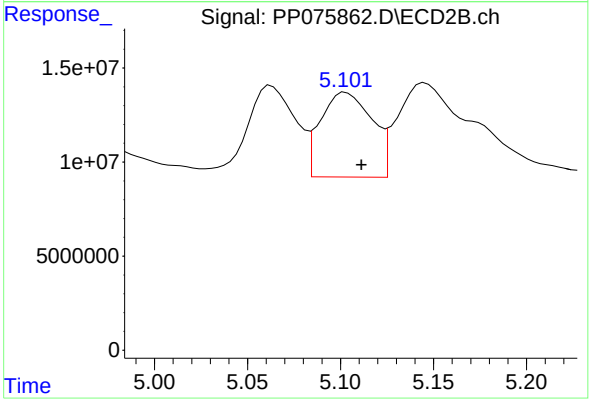
#5 AR-1016-3

R.T.: 5.063 min
Delta R.T.: -0.008 min
Response: 88198397
Conc: 568.04 ng/ml



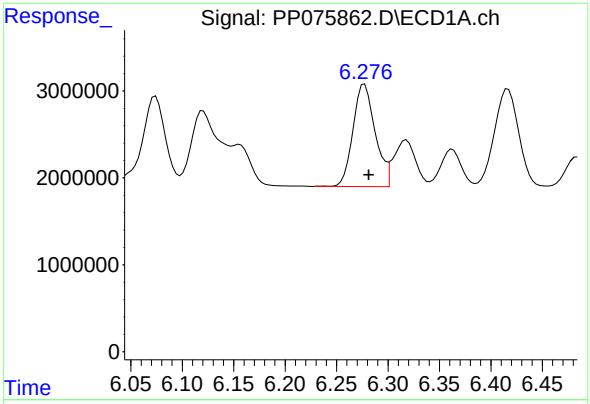
#6 AR-1016-4

R.T.: 5.985 min
Delta R.T.: -0.004 min
Response: 19135923
Conc: 536.97 ng/ml



#6 AR-1016-4

R.T.: 5.103 min
Delta R.T.: -0.008 min
Response: 87016600
Conc: 592.08 ng/ml



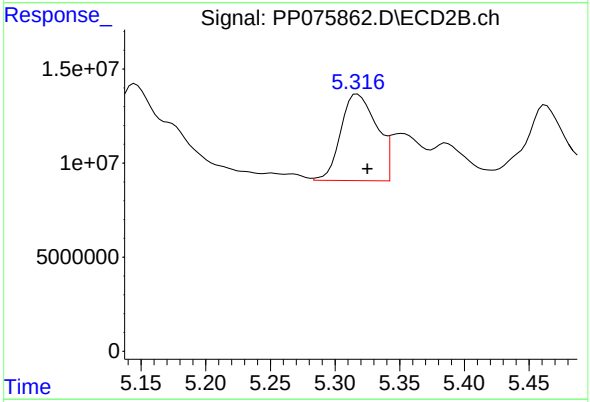
#7 AR-1016-5

R.T.: 6.277 min
Delta R.T.: -0.004 min
Response: 17724202
Conc: 525.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

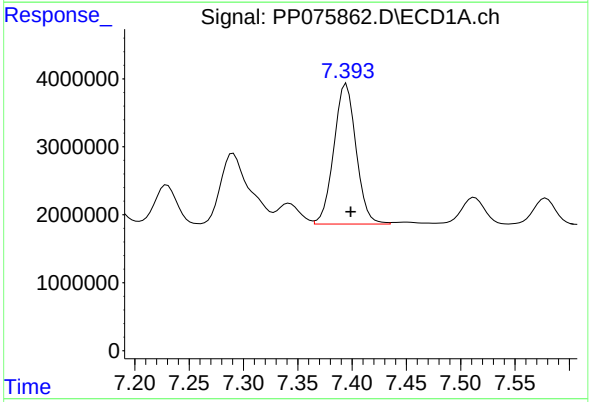
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



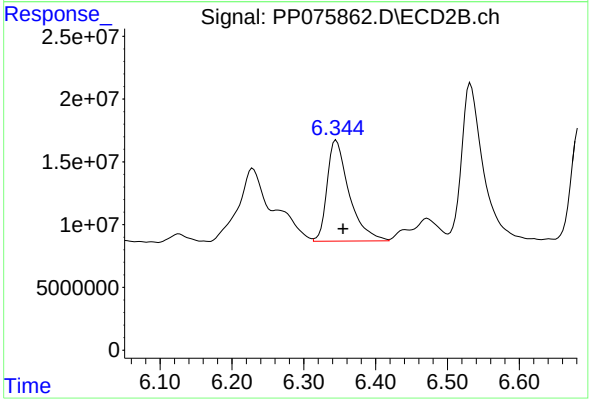
#7 AR-1016-5

R.T.: 5.317 min
Delta R.T.: -0.008 min
Response: 88689083
Conc: 542.83 ng/ml



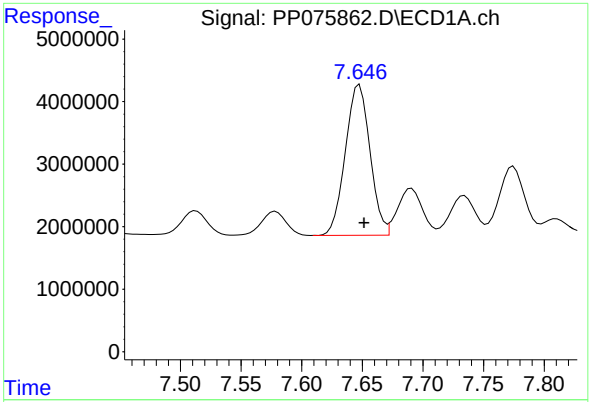
#31 AR-1260-1

R.T.: 7.395 min
Delta R.T.: -0.004 min
Response: 29421181
Conc: 489.38 ng/ml



#31 AR-1260-1

R.T.: 6.345 min
Delta R.T.: -0.010 min
Response: 170726131
Conc: 420.57 ng/ml



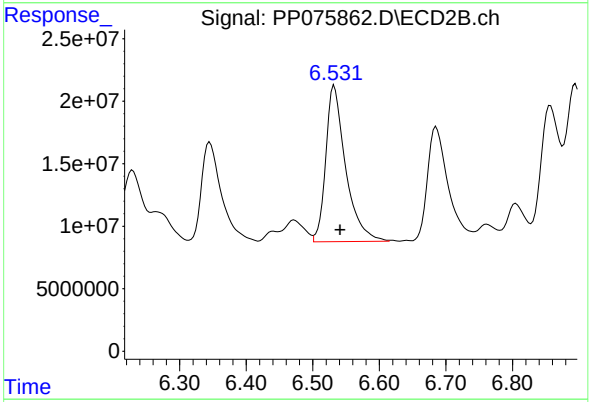
#32 AR-1260-2

R.T.: 7.648 min
Delta R.T.: -0.004 min
Response: 34062369
Conc: 467.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

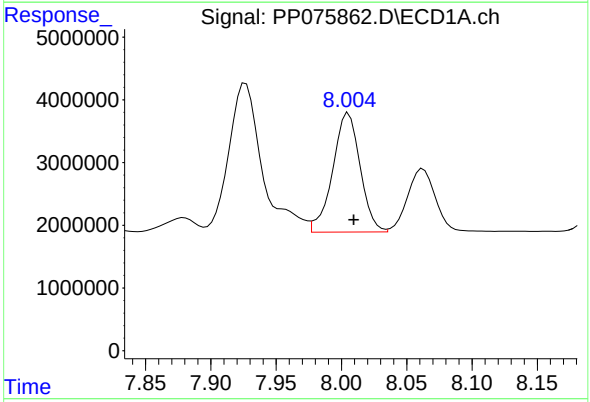
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



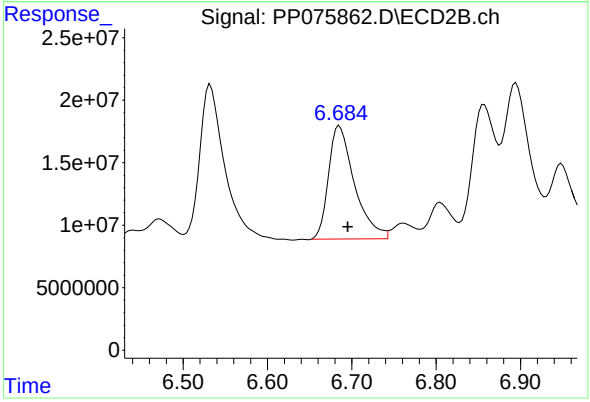
#32 AR-1260-2

R.T.: 6.532 min
Delta R.T.: -0.009 min
Response: 259497398
Conc: 450.65 ng/ml



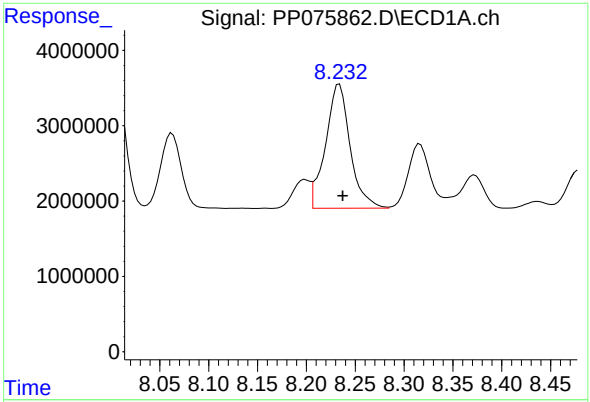
#33 AR-1260-3

R.T.: 8.005 min
Delta R.T.: -0.004 min
Response: 27818601
Conc: 513.78 ng/ml



#33 AR-1260-3

R.T.: 6.685 min
Delta R.T.: -0.010 min
Response: 193925274
Conc: 453.01 ng/ml



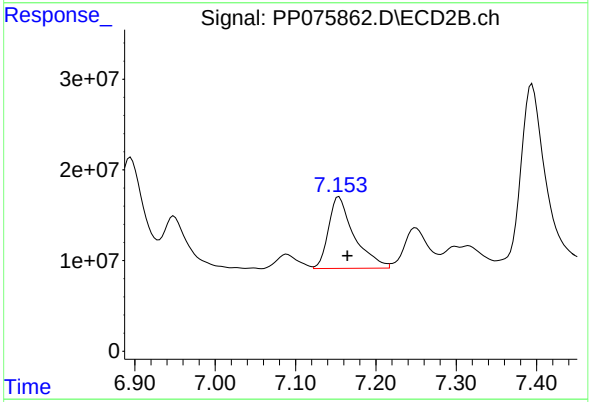
#34 AR-1260-4

R.T.: 8.234 min
Delta R.T.: -0.004 min
Response: 28865039
Conc: 510.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

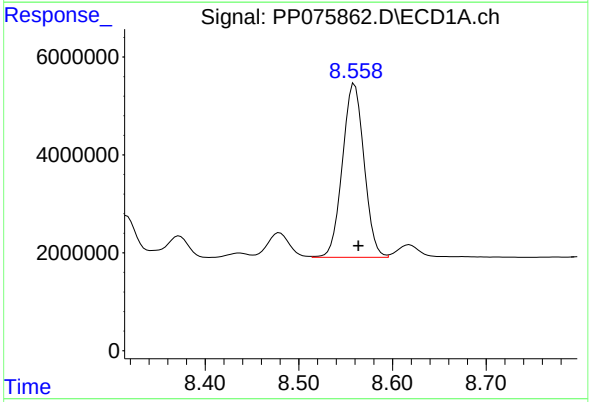
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



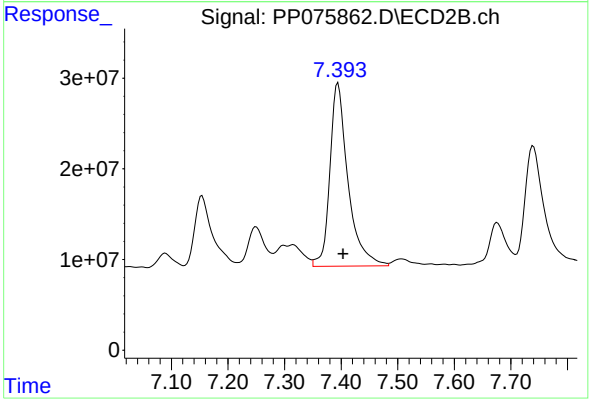
#34 AR-1260-4

R.T.: 7.154 min
Delta R.T.: -0.011 min
Response: 174650226
Conc: 405.01 ng/ml



#35 AR-1260-5

R.T.: 8.559 min
Delta R.T.: -0.004 min
Response: 57051618
Conc: 519.56 ng/ml



#35 AR-1260-5

R.T.: 7.394 min
Delta R.T.: -0.009 min
Response: 450036464
Conc: 427.80 ng/ml

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

Analytical Sequence

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069. **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

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 #
I.BLK	I.BLK	10/09/2025	13:55	PO114312.D	9.93	4.36
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	9.93	4.36
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	9.93	4.36
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	9.93	4.36
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	9.93	4.36
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	9.93	4.36
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	9.93	4.36
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	9.93	4.36
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	9.93	4.36
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	9.93	4.36
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	9.93	4.36
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	9.93	4.36
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	9.93	4.36
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	9.93	4.36
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	9.93	4.36
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	9.93	4.36
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	9.93	4.36
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	9.93	4.36
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	9.93	4.36
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	9.93	4.36
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	9.93	4.36
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	9.93	4.36
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	9.93	4.36
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	9.93	4.36
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	9.93	4.36
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	9.93	4.36
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	9.93	4.36
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	9.93	4.36
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	9.93	4.36
AR1660CCC500	AR1660CCC500	10/17/2025	09:54	PO114448.D	9.94	4.36
I.BLK	I.BLK	10/17/2025	11:07	PO114452.D	9.94	4.36
PB170141BL	PB170141BL	10/17/2025	12:29	PO114453.D	9.94	4.36
PB170141BS	PB170141BS	10/17/2025	12:47	PO114454.D	9.94	4.36
PR132-SO1-085011-20251015	Q3363-01	10/17/2025	13:04	PO114455.D	9.94	4.35
PR132-SO3-028010-20251015	Q3363-03	10/17/2025	13:41	PO114457.D	9.94	4.36
MH-22MS	Q3369-01MS	10/17/2025	14:18	PO114459.D	9.94	4.36
MH-22MSD	Q3369-01MSD	10/17/2025	14:36	PO114460.D	9.94	4.36
AR1660CCC500	AR1660CCC500	10/17/2025	15:50	PO114461.D	9.94	4.36
I.BLK	I.BLK	10/17/2025	17:04	PO114465.D	9.94	4.36
I.BLK	I.BLK	09/23/2025	08:29	PP075246.D	10.44	4.66
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	10.43	4.65
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	10.44	4.66

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Analytical Sequence

AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	10.43	4.66
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	10.43	4.66
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	10.45	4.66
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	10.44	4.66
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	10.44	4.66
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	10.44	4.66
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	10.44	4.66
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	10.44	4.66
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	10.44	4.66
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	10.43	4.66
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	10.44	4.66
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	10.44	4.66
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	10.44	4.66
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	10.44	4.66
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	10.44	4.66
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	10.44	4.66
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	10.44	4.66
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	10.43	4.66
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	10.44	4.66
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	10.44	4.66
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	10.44	4.66
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	10.44	4.66
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	10.44	4.66
AR1660CCC500	AR1660CCC500	10/17/2025	09:48	PP075835.D	10.43	4.65
I.BLK	I.BLK	10/17/2025	10:55	PP075839.D	10.42	4.65
PR132-SO3-010013-20251015	Q3363-04	10/17/2025	12:26	PP075840.D	10.43	4.65
COMP01-20251015	Q3363-05	10/17/2025	12:42	PP075841.D	10.43	4.65
AR1660CCC500	AR1660CCC500	10/17/2025	16:18	PP075850.D	10.43	4.65
I.BLK	I.BLK	10/17/2025	17:39	PP075854.D	10.43	4.65
PR132-SO1-039085-20251015	Q3363-02	10/17/2025	19:33	PP075861.D	10.43	4.65
AR1660CCC500	AR1660CCC500	10/17/2025	20:38	PP075862.D	10.43	4.65
I.BLK	I.BLK	10/17/2025	22:16	PP075866.D	10.43	4.65

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Analytical Sequence

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

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 #
I.BLK	I.BLK	10/09/2025	13:55	PO114312.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	8.67	3.66
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	8.67	3.66
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	8.67	3.66
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	8.67	3.66
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	8.67	3.66
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	8.67	3.66
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	8.67	3.66
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	8.67	3.66
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	8.67	3.66
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	8.67	3.66
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	8.67	3.66
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	8.67	3.66
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	8.67	3.66
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	8.67	3.66
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	8.67	3.66
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	8.67	3.66
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	8.67	3.66
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	8.67	3.66
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	8.67	3.66
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	8.67	3.66
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	8.67	3.66
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	8.67	3.66
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	8.67	3.66
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/17/2025	09:54	PO114448.D	8.66	3.66
I.BLK	I.BLK	10/17/2025	11:07	PO114452.D	8.67	3.66
PB170141BL	PB170141BL	10/17/2025	12:29	PO114453.D	8.66	3.66
PB170141BS	PB170141BS	10/17/2025	12:47	PO114454.D	8.66	3.66
PR132-SO1-085011-20251015	Q3363-01	10/17/2025	13:04	PO114455.D	8.66	3.66
PR132-SO3-028010-20251015	Q3363-03	10/17/2025	13:41	PO114457.D	8.66	3.66
MH-22MS	Q3369-01MS	10/17/2025	14:18	PO114459.D	8.66	3.66
MH-22MSD	Q3369-01MSD	10/17/2025	14:36	PO114460.D	8.66	3.66
AR1660CCC500	AR1660CCC500	10/17/2025	15:50	PO114461.D	8.67	3.66
I.BLK	I.BLK	10/17/2025	17:04	PO114465.D	8.66	3.66
I.BLK	I.BLK	09/23/2025	08:29	PP075246.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	8.81	3.80
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	8.80	3.80

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Analytical Sequence

AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	8.80	3.80
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	8.80	3.80
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	8.81	3.80
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	8.81	3.80
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	8.81	3.80
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	8.81	3.80
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	8.81	3.80
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	8.81	3.80
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	8.81	3.80
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	8.80	3.80
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	8.80	3.80
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	8.81	3.80
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	8.80	3.80
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	8.81	3.80
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	8.80	3.80
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	8.81	3.80
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	8.81	3.80
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	8.81	3.80
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	8.81	3.80
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	8.81	3.80
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	8.81	3.80
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	8.81	3.80
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	8.81	3.80
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	8.81	3.80
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	8.80	3.80
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	8.81	3.80
AR1660CCC500	AR1660CCC500	10/17/2025	09:48	PP075835.D	8.79	3.79
I.BLK	I.BLK	10/17/2025	10:55	PP075839.D	8.79	3.79
PR132-SO3-010013-20251015	Q3363-04	10/17/2025	12:26	PP075840.D	8.79	3.79
COMP01-20251015	Q3363-05	10/17/2025	12:42	PP075841.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/17/2025	16:18	PP075850.D	8.79	3.79
I.BLK	I.BLK	10/17/2025	17:39	PP075854.D	8.79	3.79
PR132-SO1-039085-20251015	Q3363-02	10/17/2025	19:33	PP075861.D	8.79	3.81
AR1660CCC500	AR1660CCC500	10/17/2025	20:38	PP075862.D	8.79	3.79
I.BLK	I.BLK	10/17/2025	22:16	PP075866.D	8.79	3.79

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170141BS

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab Sample ID: PB170141BS Date(s) Analyzed: 10/17/2025 10/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO114454.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.493	5.443	5.543	167		
	2	5.515	5.465	5.565	164		
	3	5.576	5.526	5.626	160		
COLUMN 1	4	5.672	5.622	5.722	171		
	5	5.964	5.914	6.014	165	165	
	1	4.739	4.689	4.789	164		
	2	4.758	4.708	4.808	164		
	3	4.933	4.883	4.983	171		
	4	4.975	4.925	5.025	169		
COLUMN 2	5	5.188	5.138	5.238	164	167	1.2
Aroclor-1260	1	7.077	7.027	7.127	170		
	2	7.331	7.281	7.381	166		
	3	7.688	7.638	7.738	141		
COLUMN 1	4	7.91	7.86	7.96	148		
	5	8.217	8.167	8.267	141	153	
	1	6.221	6.171	6.271	181		
	2	6.408	6.358	6.458	186		
	3	6.561	6.511	6.611	168		
	4	7.033	6.983	7.083	159		
COLUMN 2	5	7.273	7.223	7.323	153	169	9.94

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PR132-SO3-028010-202

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab Sample ID: Q3363-03 Date(s) Analyzed: 10/17/2025 10/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO114457.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1242	1	5.494	5.444	5.544	46.8		
	2	5.516	5.466	5.566	55.2		
	3	5.578	5.528	5.628	46.0		
COLUMN 1	4	5.671	5.621	5.721	105		
	5	6.399	6.349	6.449	78.4	66.4	
	1	4.739	4.689	4.789	34.4		
	2	4.759	4.709	4.809	39.8		
	3	4.935	4.885	4.985	39.2		
	4	5.018	4.968	5.068	52.5		
COLUMN 2	5	5.542	5.492	5.592	102	53.6	21.33
Aroclor-1254	1	6.335	6.285	6.385	35.1		
	2	6.552	6.502	6.602	31.9		
	3	6.918	6.868	6.968	46.6		
COLUMN 1	4	7.194	7.144	7.244	18.2		
	5	7.608	7.558	7.658	19.7	30.3	
	1	5.542	5.492	5.592	45.9		
	2	5.686	5.636	5.736	33.1		
	3	6.09	6.04	6.14	18.3		
	4	6.317	6.267	6.367	17.3		
COLUMN 2	5	6.734	6.684	6.784	18.5	26.6	13.01

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-22MS

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab Sample ID: Q3369-01MS Date(s) Analyzed: 10/17/2025 10/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO114459.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.494	5.444	5.544	148		
	2	5.515	5.465	5.565	144		
	3	5.578	5.528	5.628	148		
COLUMN 1	4	5.671	5.621	5.721	210		
	5	5.965	5.915	6.015	177	165	
	1	4.74	4.69	4.79	154		
	2	4.76	4.71	4.81	221		
	3	4.934	4.884	4.984	173		
	4	4.977	4.927	5.027	161		
COLUMN 2	5	5.189	5.139	5.239	177	177	7.02
Aroclor-1260	1	7.078	7.028	7.128	188		
	2	7.331	7.281	7.381	197		
	3	7.689	7.639	7.739	134		
COLUMN 1	4	7.91	7.86	7.96	147		
	5	8.218	8.168	8.268	132	160	
	1	6.222	6.172	6.272	197		
	2	6.409	6.359	6.459	168		
	3	6.562	6.512	6.612	156		
	4	7.035	6.985	7.085	135		
COLUMN 2	5	7.275	7.225	7.325	127	157	1.89

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: MH-22MSD

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3363
Lab Sample ID: Q3369-01MSD
Date(s) Analyzed: 10/17/2025 10/17/2025
Instrument ID (1): ECD_O
Instrument ID (2): ECD_O
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PO114460.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.494	5.444	5.544	149		
	2	5.515	5.465	5.565	137		
	3	5.578	5.528	5.628	142		
COLUMN 1	4	5.672	5.622	5.722	183		
	5	5.964	5.914	6.014	155	153	
	1	4.74	4.69	4.79	149		
	2	4.761	4.711	4.811	213		
	3	4.934	4.884	4.984	167		
	4	4.977	4.927	5.027	153		
COLUMN 2	5	5.189	5.139	5.239	172	171	11.11
Aroclor-1260	1	7.078	7.028	7.128	184		
	2	7.331	7.281	7.381	192		
	3	7.689	7.639	7.739	130		
COLUMN 1	4	7.91	7.86	7.96	147		
	5	8.218	8.168	8.268	129	156	
	1	6.222	6.172	6.272	185		
	2	6.409	6.359	6.459	159		
	3	6.562	6.512	6.612	149		
	4	7.034	6.984	7.084	130		
COLUMN 2	5	7.275	7.225	7.325	123	149	4.59

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PR132-SO1-039085-202

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab Sample ID: Q3363-02 Date(s) Analyzed: 10/17/2025 10/17/2025

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 PP075861.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1242	1	5.805	5.755	5.855	122		
	2	5.826	5.776	5.876	147		
	3	5.888	5.838	5.938	135		
COLUMN 1	4	5.983	5.933	6.033	189		
	5	6.716	6.666	6.766	211	161	
	1	4.887	4.837	4.937	90.4		
	2	4.941	4.891	4.991	50.7		
	3	5.067	5.017	5.117	91.0		
	4	5.144	5.094	5.194	187		
COLUMN 2	5	5.669	5.619	5.719	238	132	19.8
Aroclor-1254	1	6.652	6.602	6.702	115		
	2	6.868	6.818	6.918	144		
	3	7.235	7.185	7.285	132		
COLUMN 1	4	7.512	7.462	7.562	72.8		
	5	7.928	7.878	7.978	80.1	109	
	1	5.669	5.619	5.719	93.1		
	2	5.814	5.764	5.864	142		
	3	6.229	6.179	6.279	106		
	4	6.443	6.393	6.493	45.9		
COLUMN 2	5	6.857	6.807	6.907	35.6	84.5	25.32

QC SAMPLE DATA

Raw Data: **PO114453.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170141BL	SDG No.:	Q3363
Lab Sample ID:	PB170141BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	17.0	U	1	3.90	17.0	ug/kg	10/17/25 12:29	PB170141
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:29	PB170141
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/17/25 12:29	PB170141
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:29	PB170141
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/17/25 12:29	PB170141
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/17/25 12:29	PB170141
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/17/25 12:29	PB170141
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/17/25 12:29	PB170141
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/17/25 12:29	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.9			32 - 144	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.4			32 - 175	112%	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

Sample Results: **PO114453.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:29
Operator : YP/AJ
Sample : PB170141BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB170141BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:44:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.355	3.657	129.5E6	92160929	23.858	23.027
2)	SA Decachlor...	9.943	8.663	81520755	71776993	22.389	21.534
	Target Compounds						

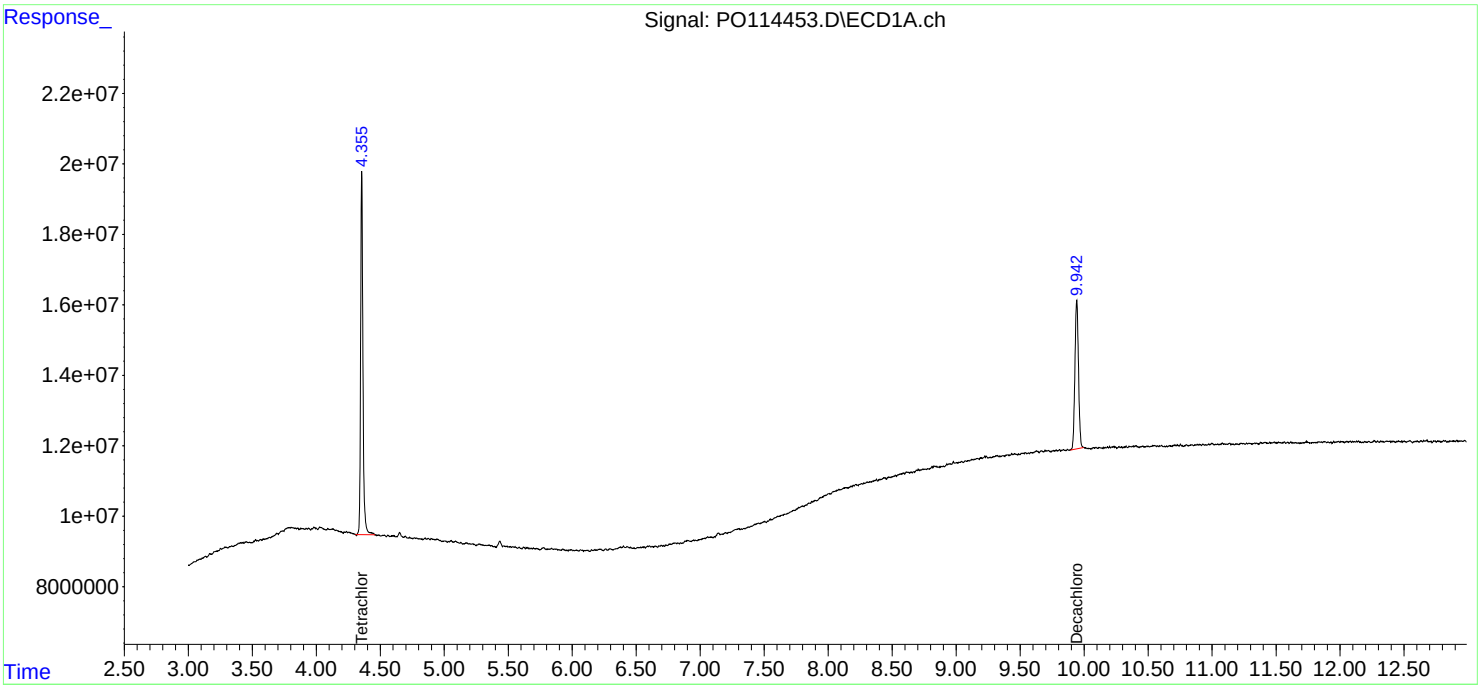
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

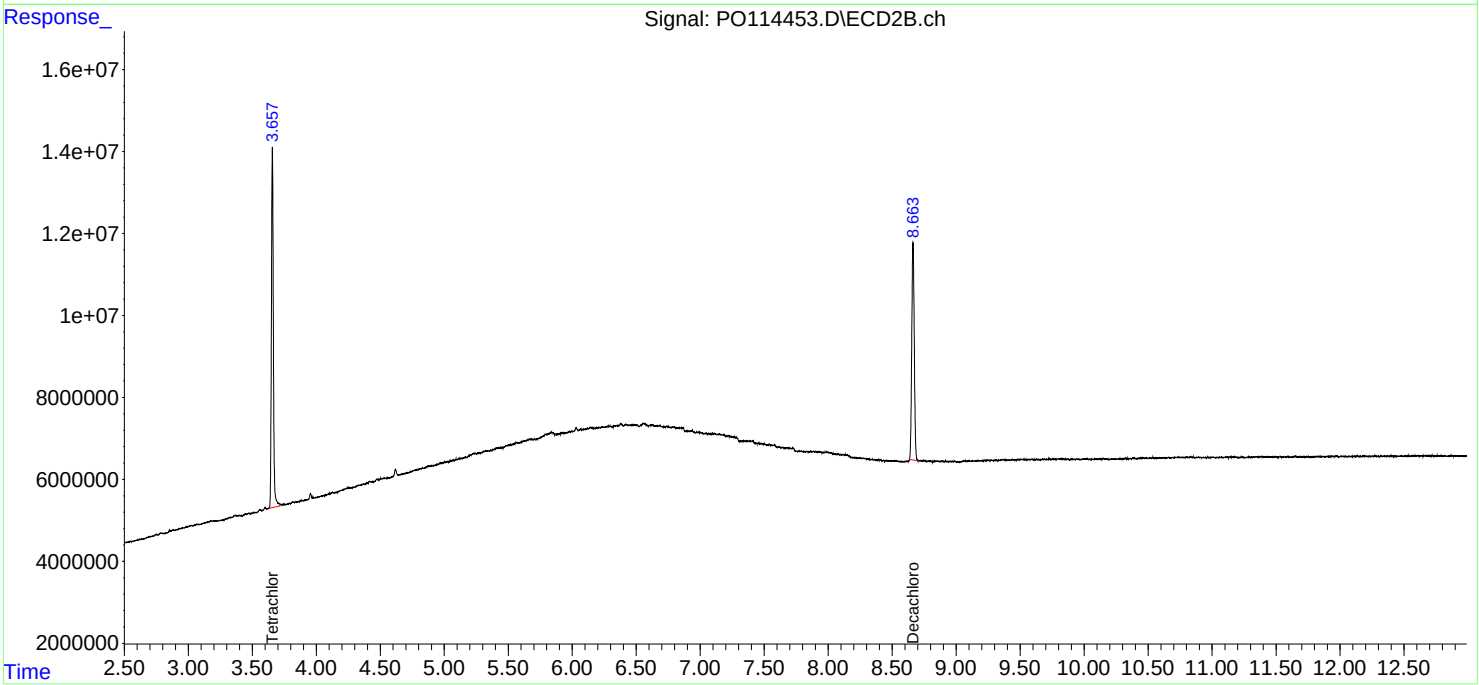
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:29
Operator : YP/AJ
Sample : PB170141BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

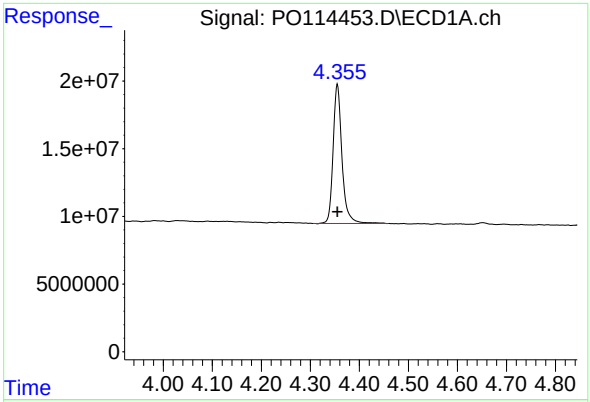
Instrument :
ECD_O
ClientSampleId :
PB170141BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:44:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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



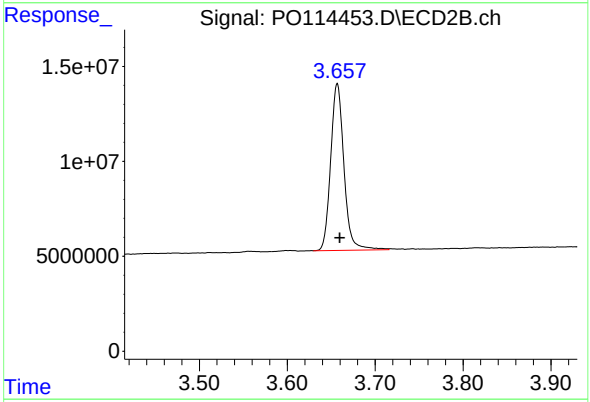




#1 Tetrachloro-m-xylene

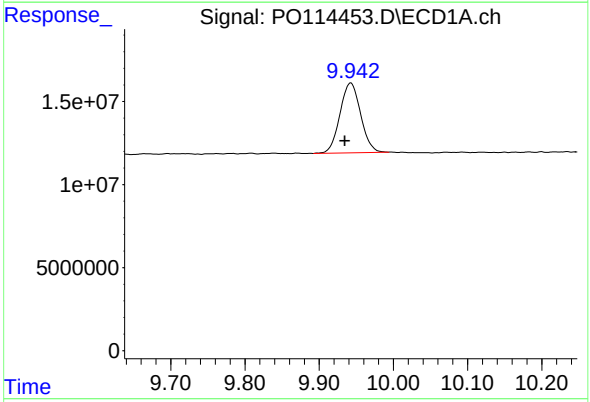
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 129524420
Conc: 23.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170141BL



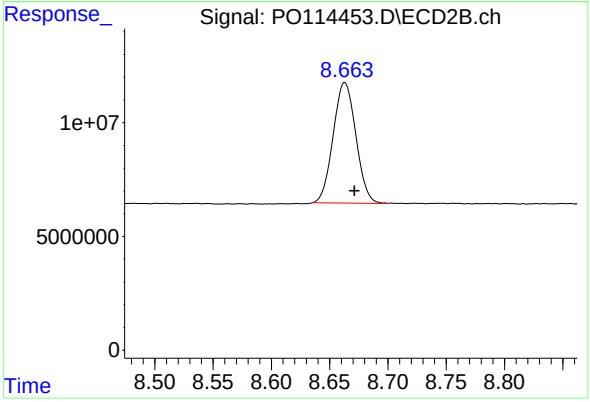
#1 Tetrachloro-m-xylene

R.T.: 3.657 min
Delta R.T.: -0.003 min
Response: 92160929
Conc: 23.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.943 min
Delta R.T.: 0.008 min
Response: 81520755
Conc: 22.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.663 min
Delta R.T.: -0.008 min
Response: 71776993
Conc: 21.53 ng/ml

Raw Data: **PO114312.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/09/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/09/25
Client Sample ID:	PIBLK-PO114312.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PO114312.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/09/25	po100925
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/09/25	po100925
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/09/25	po100925
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/09/25	po100925
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/09/25	po100925
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/09/25	po100925
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/09/25	po100925
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/09/25	po100925
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/09/25	po100925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.6			60 - 140	93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140	95%	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_O\Data\PO100925\
Data File : PO114312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 13:55
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 05:07:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 05:04:59 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...	4.356	3.660	101.2E6	75475125	18.647	18.858
2)	SA Decachlor...	9.931	8.673	70041472	63226876	19.236	18.969
	Target Compounds						

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

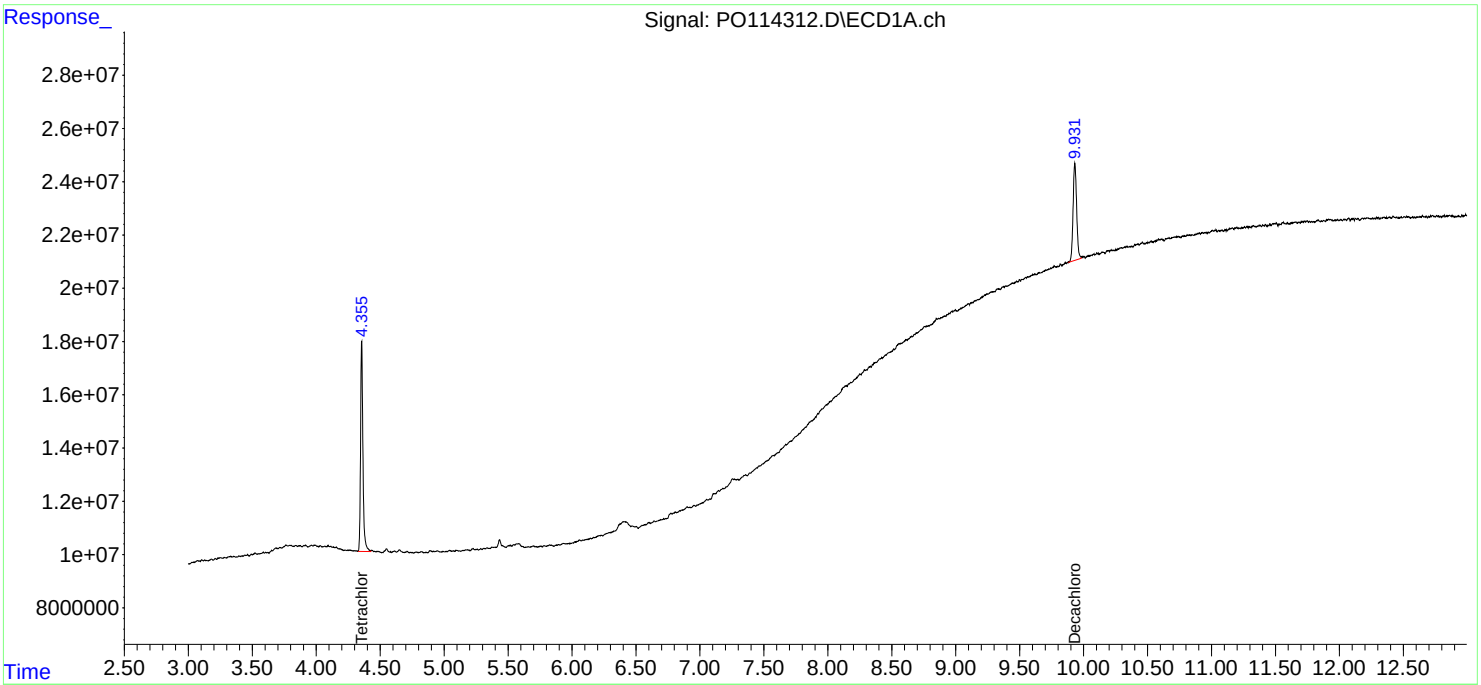
Sample Results: **PO114312.D**

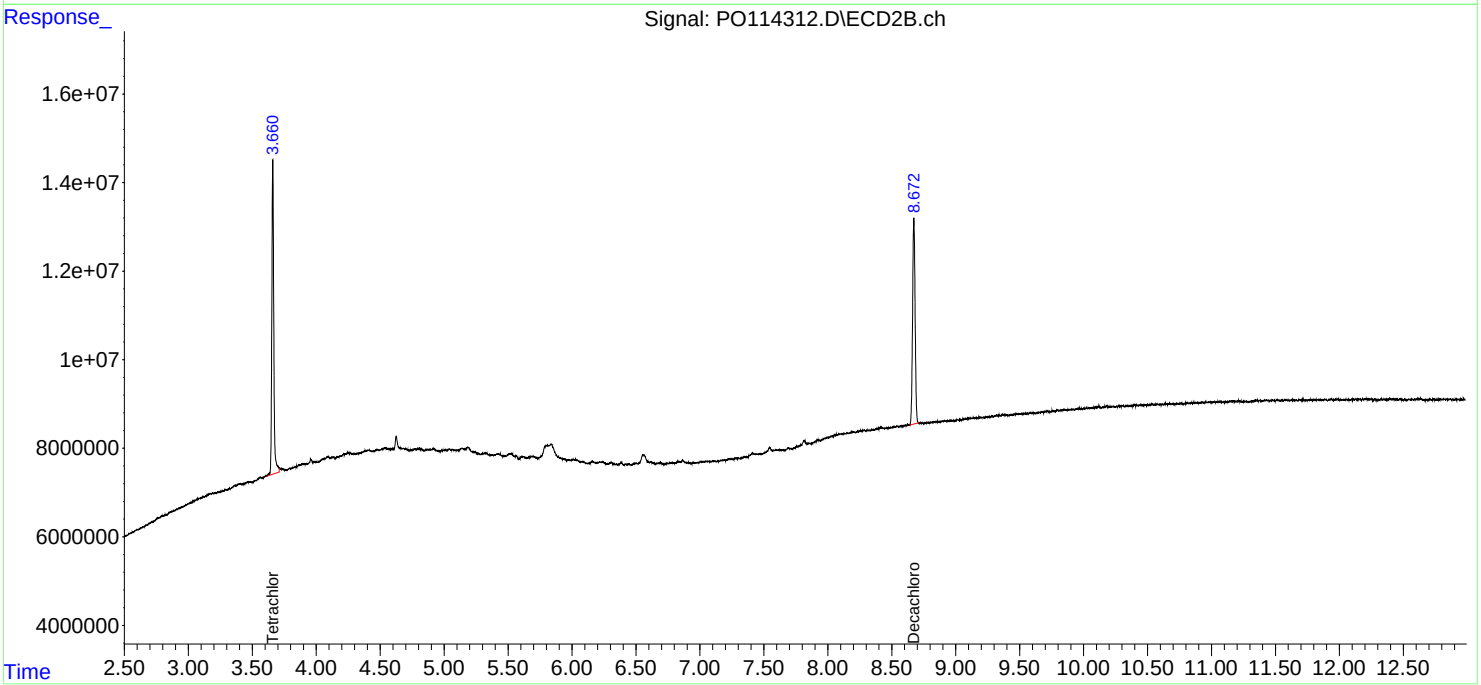
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100925\
Data File : PO114312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 13:55
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

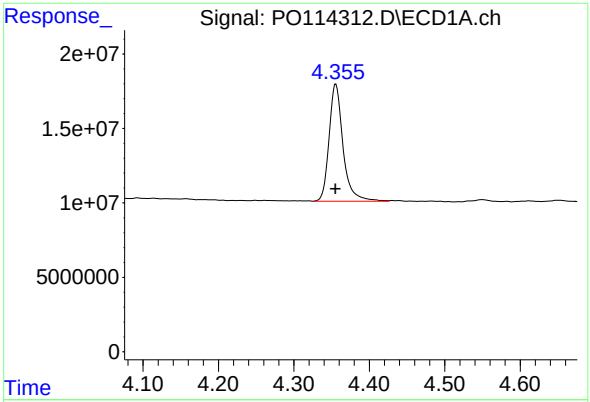
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 05:07:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 05:04:59 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



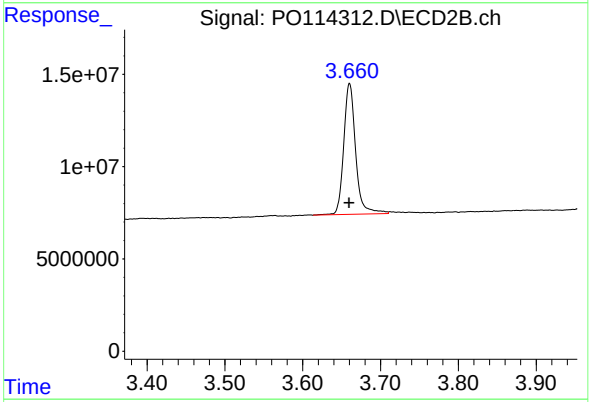




#1 Tetrachloro-m-xylene

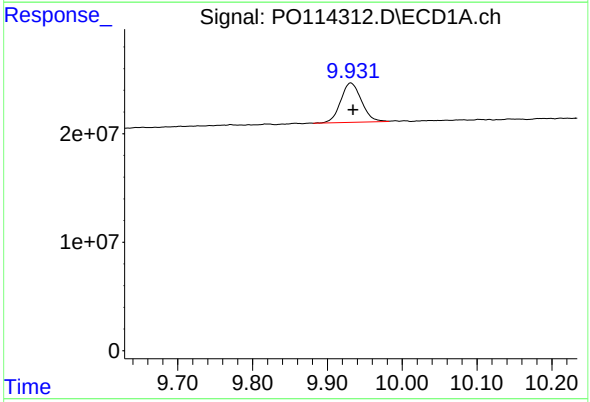
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 101234471
Conc: 18.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



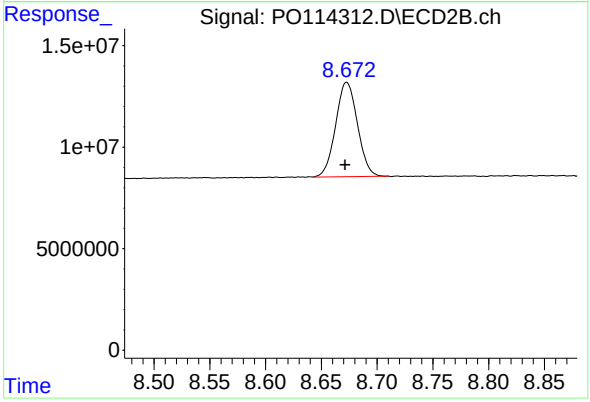
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 75475125
Conc: 18.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.931 min
Delta R.T.: -0.003 min
Response: 70041472
Conc: 19.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: 0.001 min
Response: 63226876
Conc: 18.97 ng/ml

Raw Data: **PO114452.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PO114452.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PO114452.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	PO101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	PO101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	PO101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	PO101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	PO101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	PO101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	PO101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	PO101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	PO101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.2			60 - 140	106%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			60 - 140	101%	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

Sample Results: **PO114452.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:07
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:43:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.356	3.659	117.7E6	84980542	21.675	21.233
2)	SA Decachlor...	9.941	8.665	74796608	67088190	20.542	20.127
	Target Compounds						

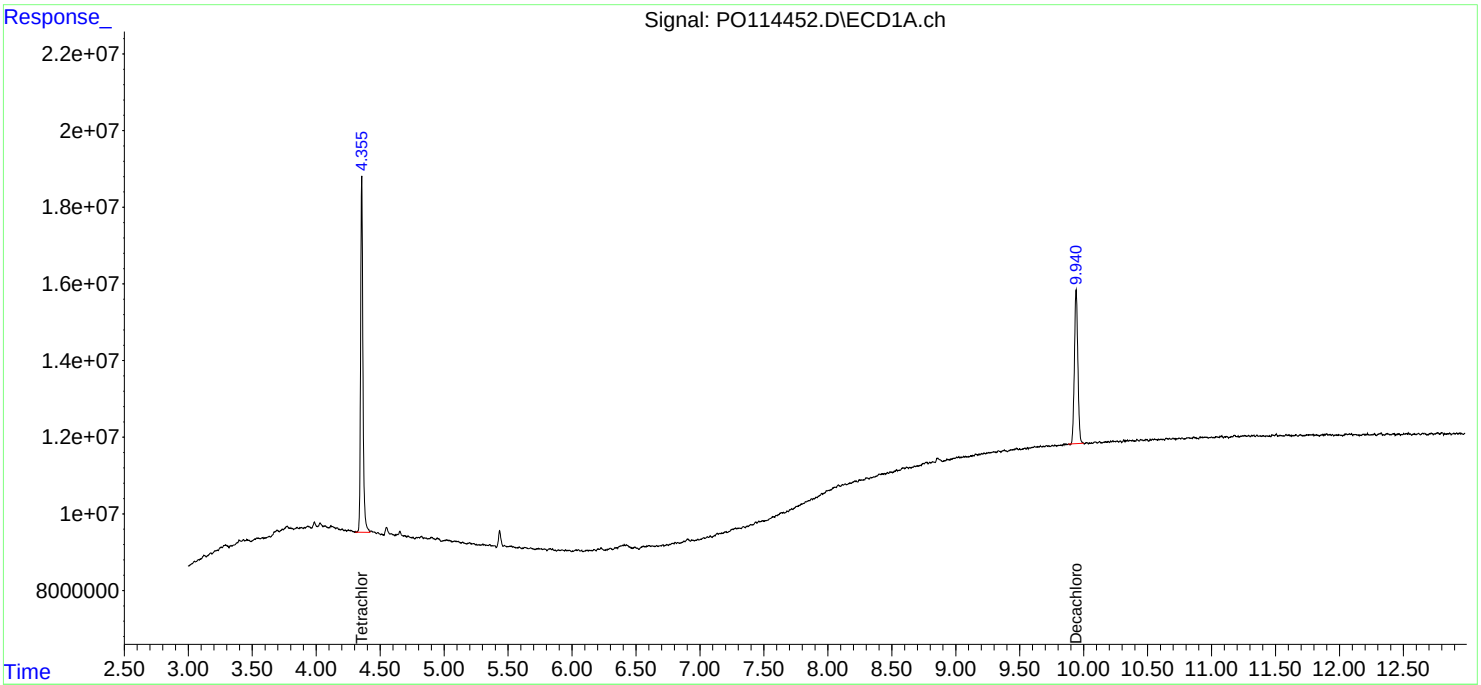
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

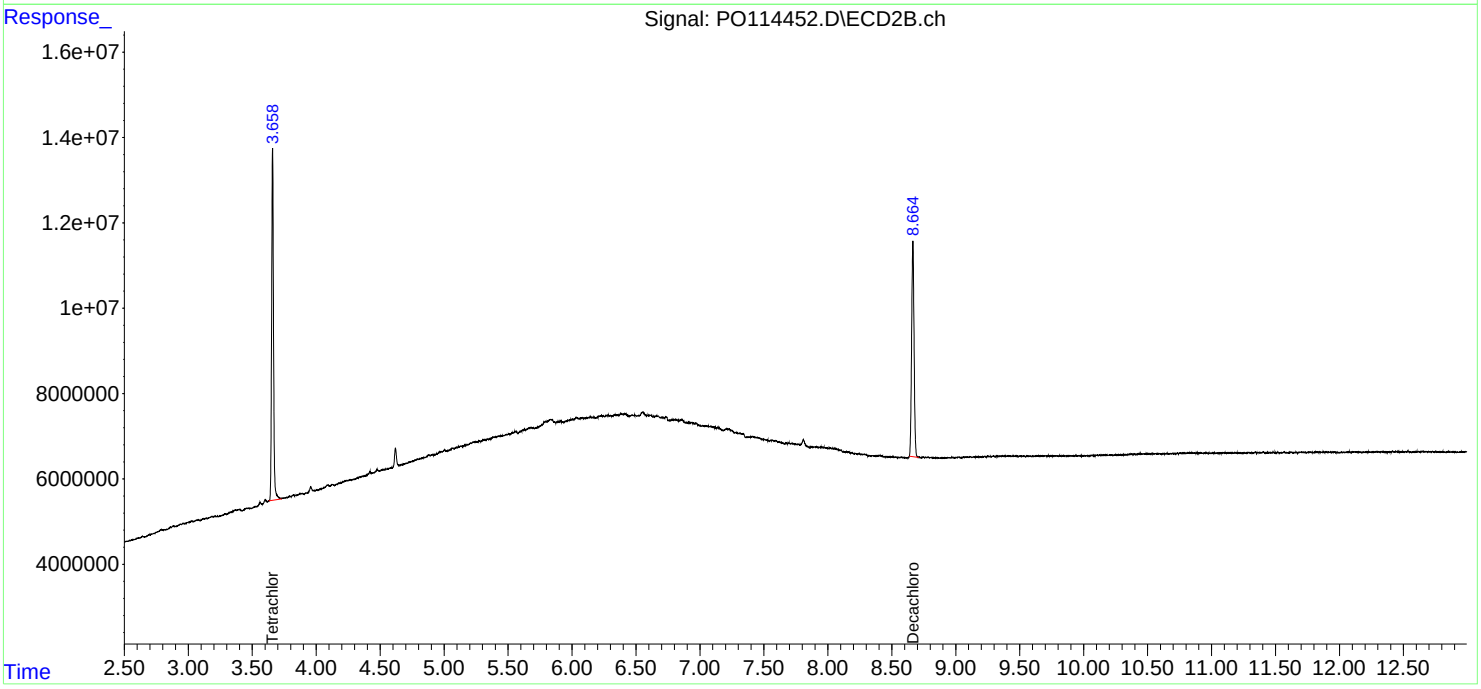
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:07
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

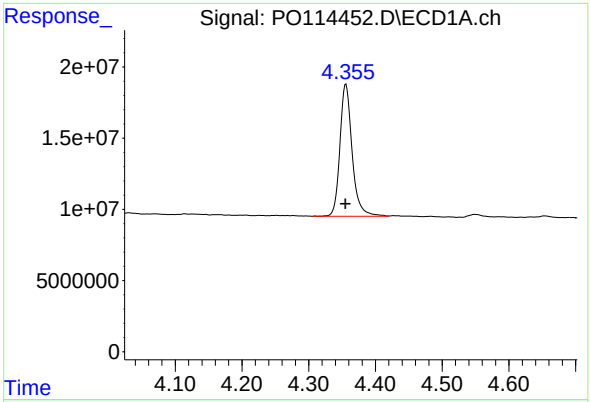
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:43:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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



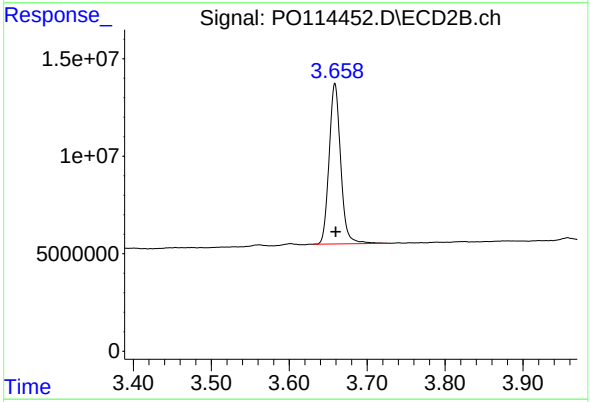




#1 Tetrachloro-m-xylene

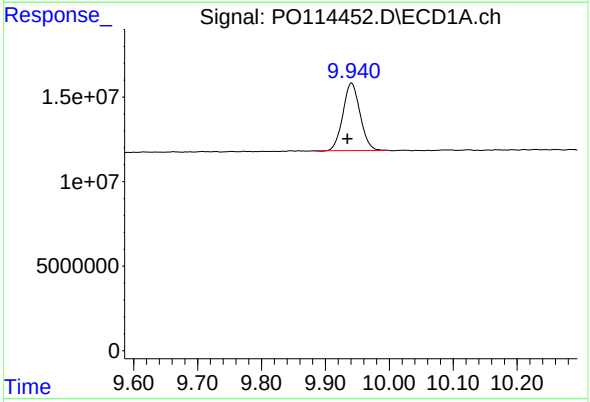
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 117674621
Conc: 21.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



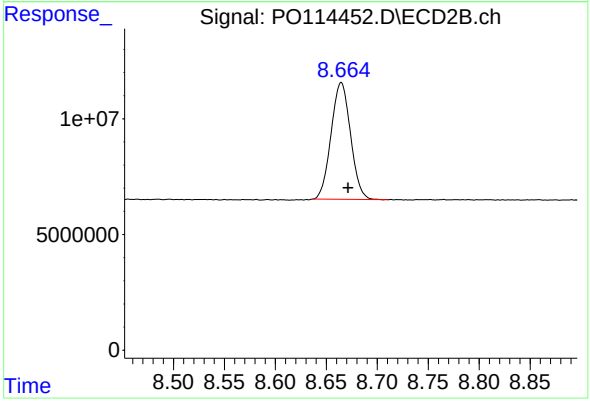
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 84980542
Conc: 21.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.941 min
Delta R.T.: 0.007 min
Response: 74796608
Conc: 20.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.665 min
Delta R.T.: -0.007 min
Response: 67088190
Conc: 20.13 ng/ml

Raw Data: **PO114465.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PO114465.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PO114465.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	po101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	po101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	po101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	po101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	po101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	po101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	po101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	po101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	po101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.8			60 - 140	109%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.5			60 - 140	97%	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_O\Data\PO101725\
Data File : PO114465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 17:04
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 05:06:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.356	3.658	118.5E6	87335467	21.829	21.822
2)	SA Decachlor...	9.943	8.664	75092864	64879722	20.624	19.465
	Target Compounds						

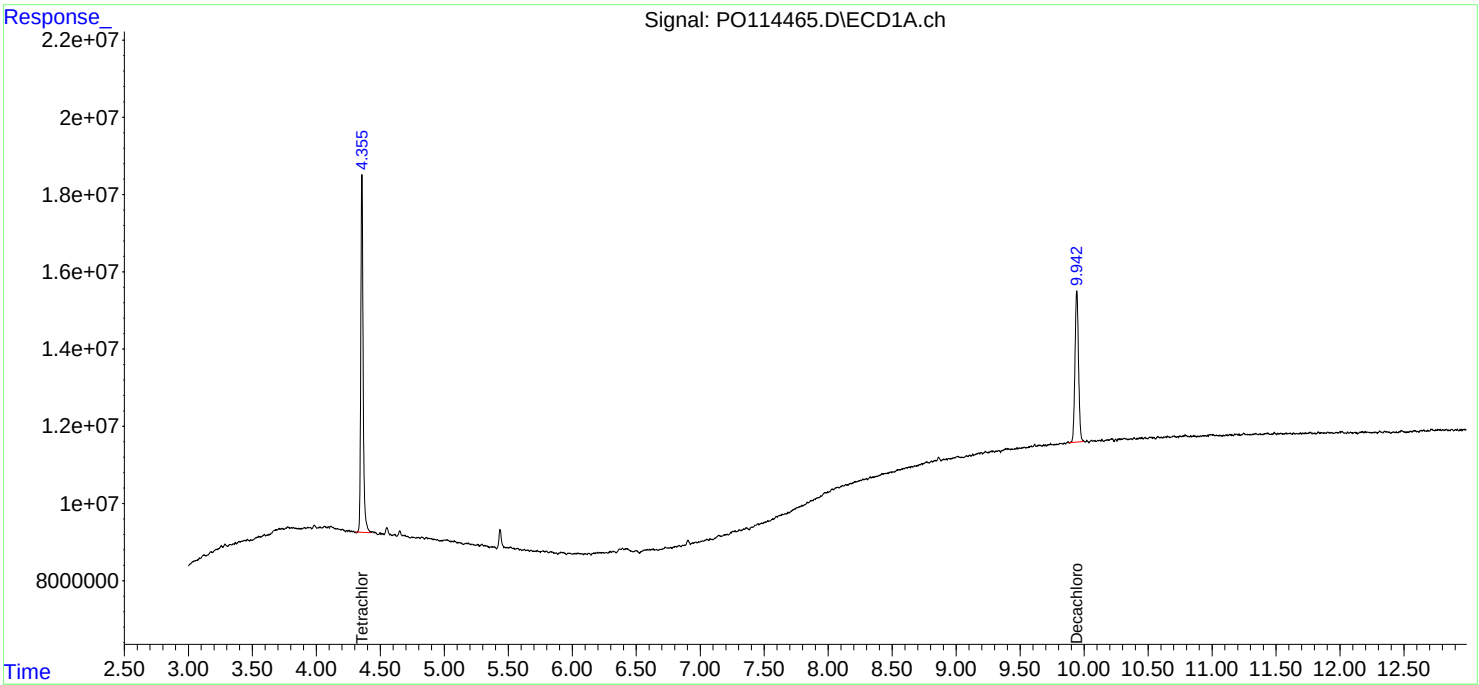
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

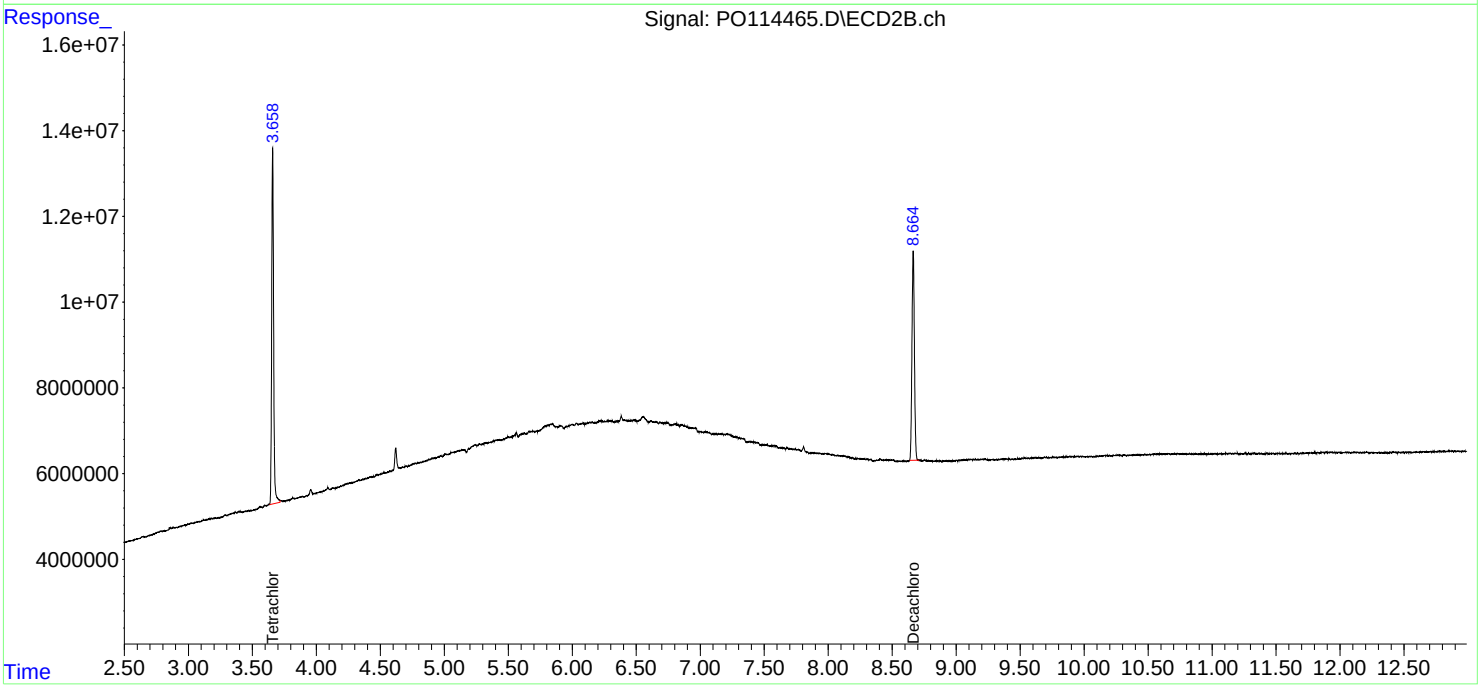
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 17:04
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

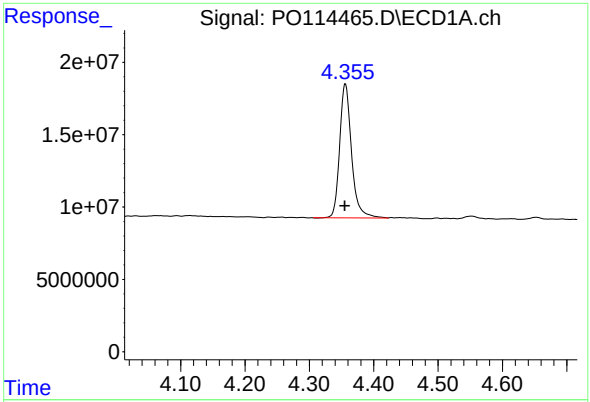
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 05:06:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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



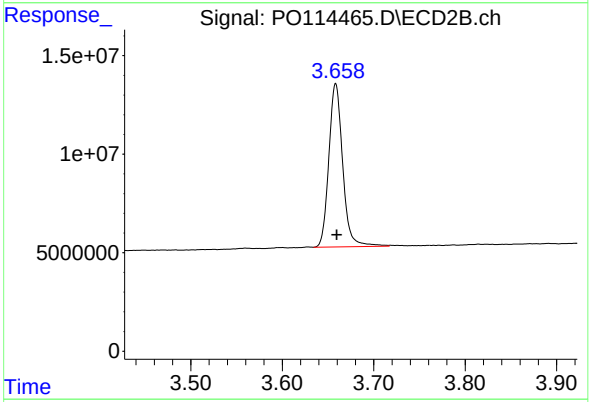




#1 Tetrachloro-m-xylene

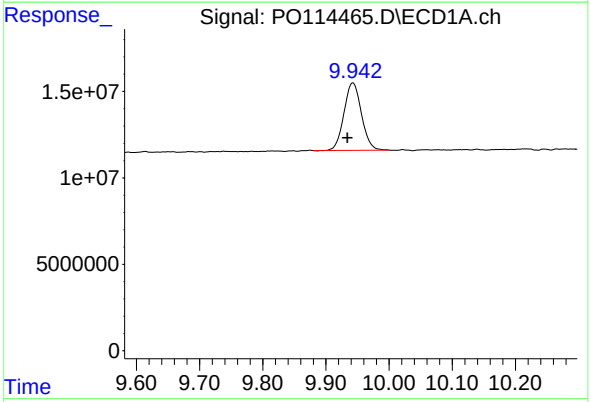
R.T.: 4.356 min
Delta R.T.: 0.001 min
Response: 118511642
Conc: 21.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



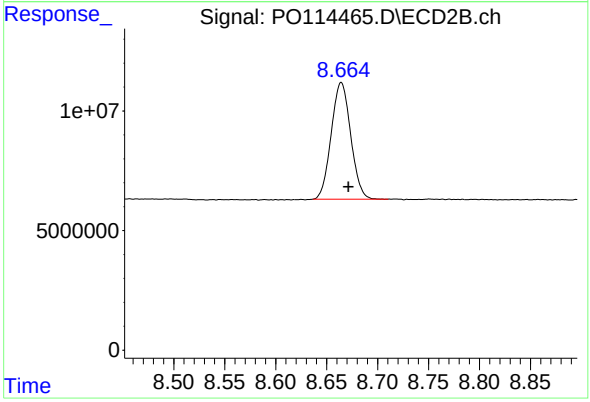
#1 Tetrachloro-m-xylene

R.T.: 3.658 min
Delta R.T.: -0.001 min
Response: 87335467
Conc: 21.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.943 min
Delta R.T.: 0.009 min
Response: 75092864
Conc: 20.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.664 min
Delta R.T.: -0.007 min
Response: 64879722
Conc: 19.46 ng/ml

Raw Data: **PP075246.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	09/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	09/23/25
Client Sample ID:	PIBLK-PP075246.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075246.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	09/23/25	pp092325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	09/23/25	pp092325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	09/23/25	pp092325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	09/23/25	pp092325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	09/23/25	pp092325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	09/23/25	pp092325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	09/23/25	pp092325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	09/23/25	pp092325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	09/23/25	pp092325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.9			60 - 140	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.4			60 - 140	97%	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\PP092325\
Data File : PP075246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 08:29
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: Sep 23 17:44:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.797	26080915	109.2E6	19.932	17.901
2)	SA Decachlor...	10.437	8.805	19354075	120.9E6	19.402	20.045
	Target Compounds						

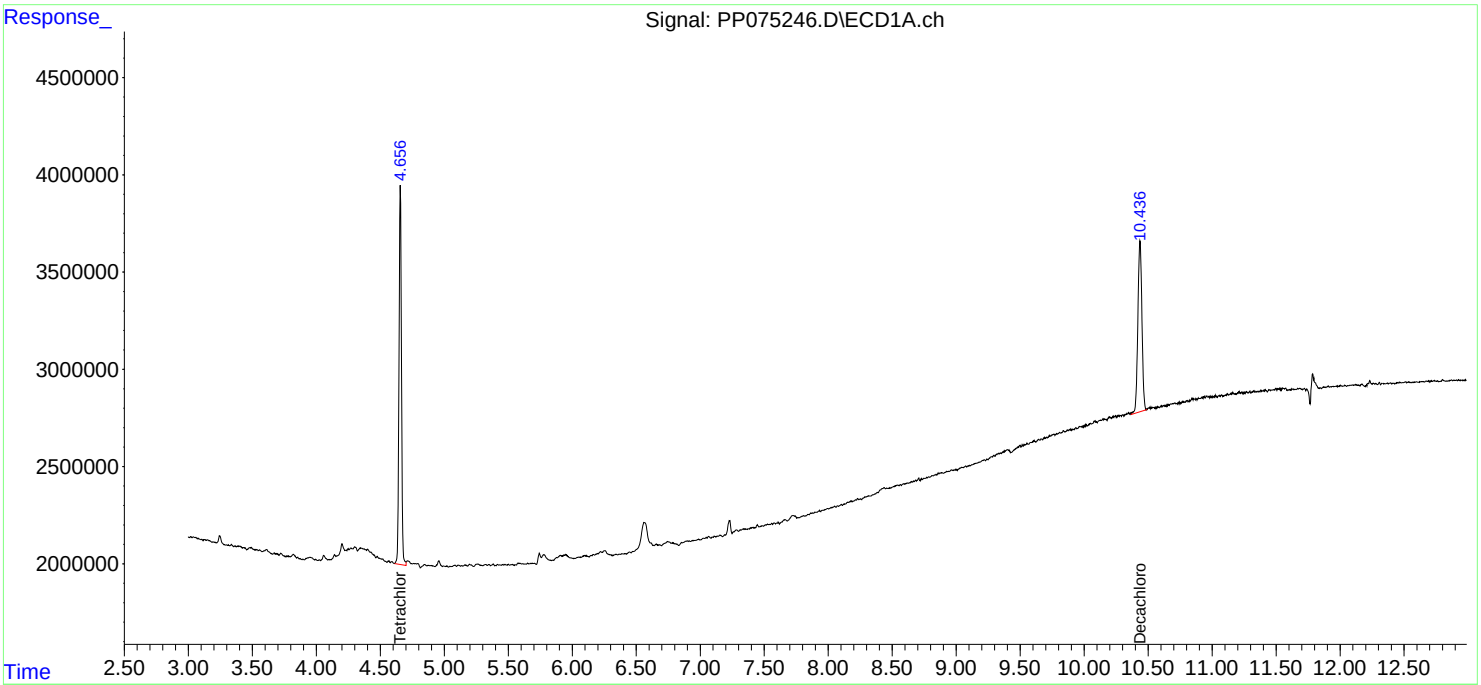
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

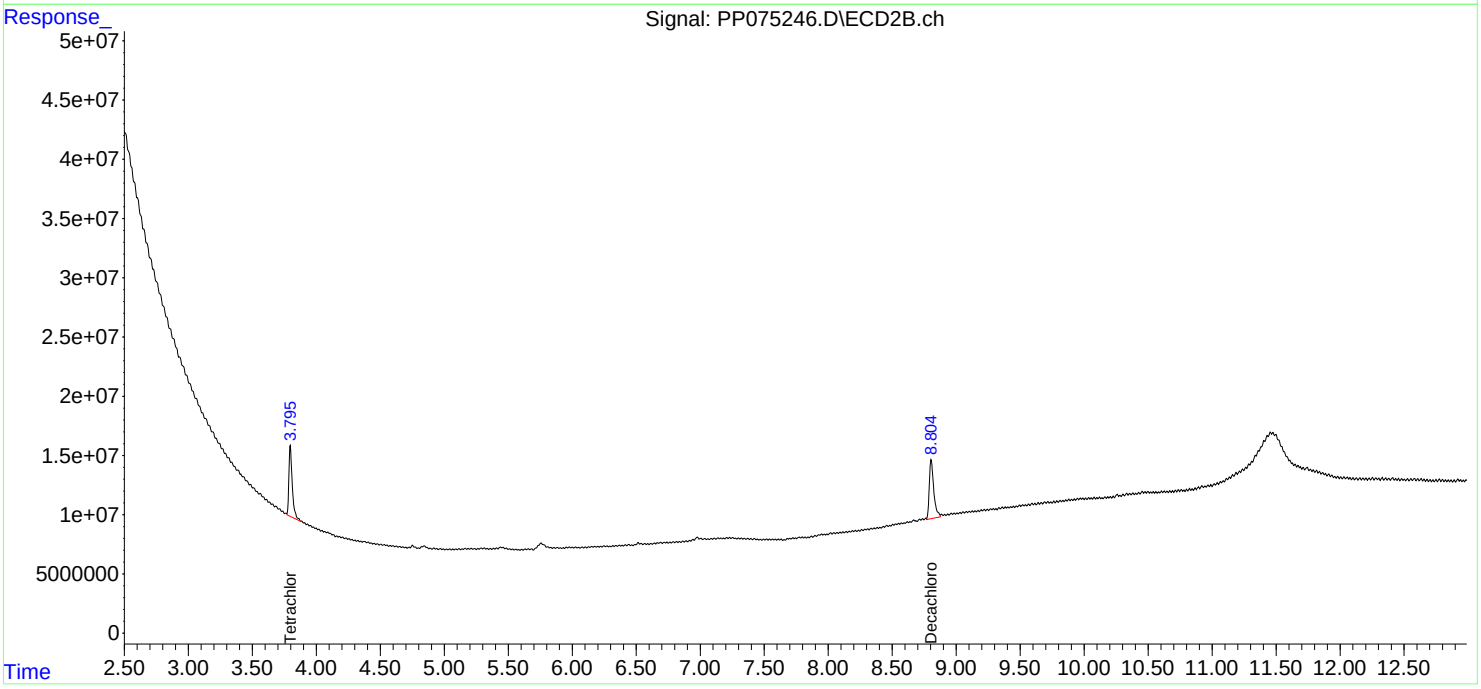
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 08:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

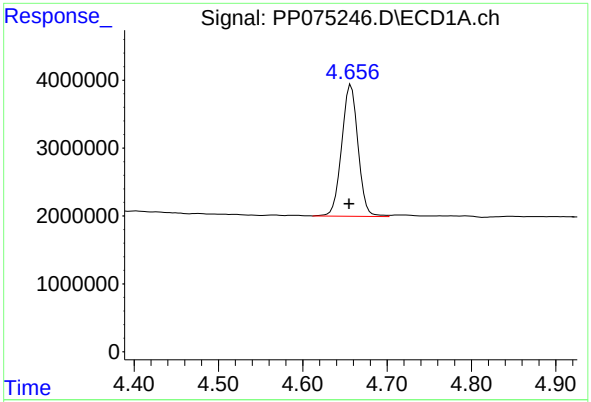
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:44:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



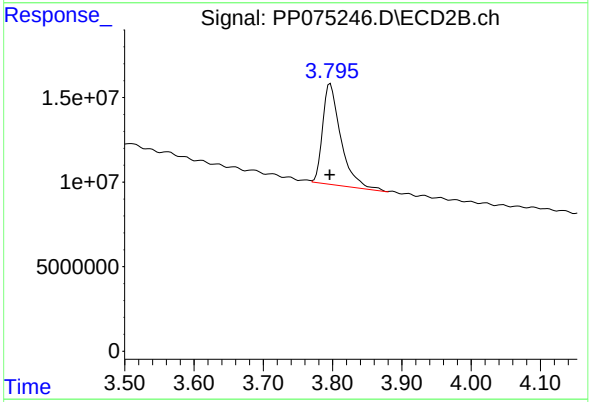




#1 Tetrachloro-m-xylene

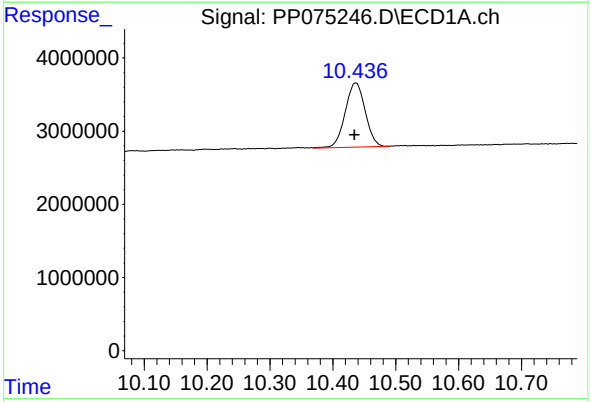
R.T.: 4.657 min
Delta R.T.: 0.002 min
Response: 26080915
Conc: 19.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



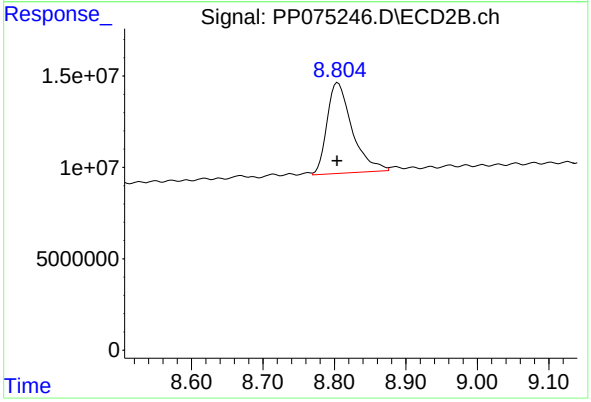
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 109213871
Conc: 17.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.003 min
Response: 19354075
Conc: 19.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.805 min
Delta R.T.: 0.001 min
Response: 120921024
Conc: 20.04 ng/ml

Raw Data: **PP075839.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PP075839.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075839.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	PP101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	PP101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	PP101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	PP101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	PP101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	PP101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	PP101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	PP101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	PP101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.0			60 - 140	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.4			60 - 140	102%	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\PP101725\
Data File : PP075839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:55
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: Oct 17 13:09:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.649	3.788	28584854	115.8E6	21.846	18.982
2)	SA Decachlor...	10.423	8.787	20378511	129.1E6	20.429	21.399
	Target Compounds						

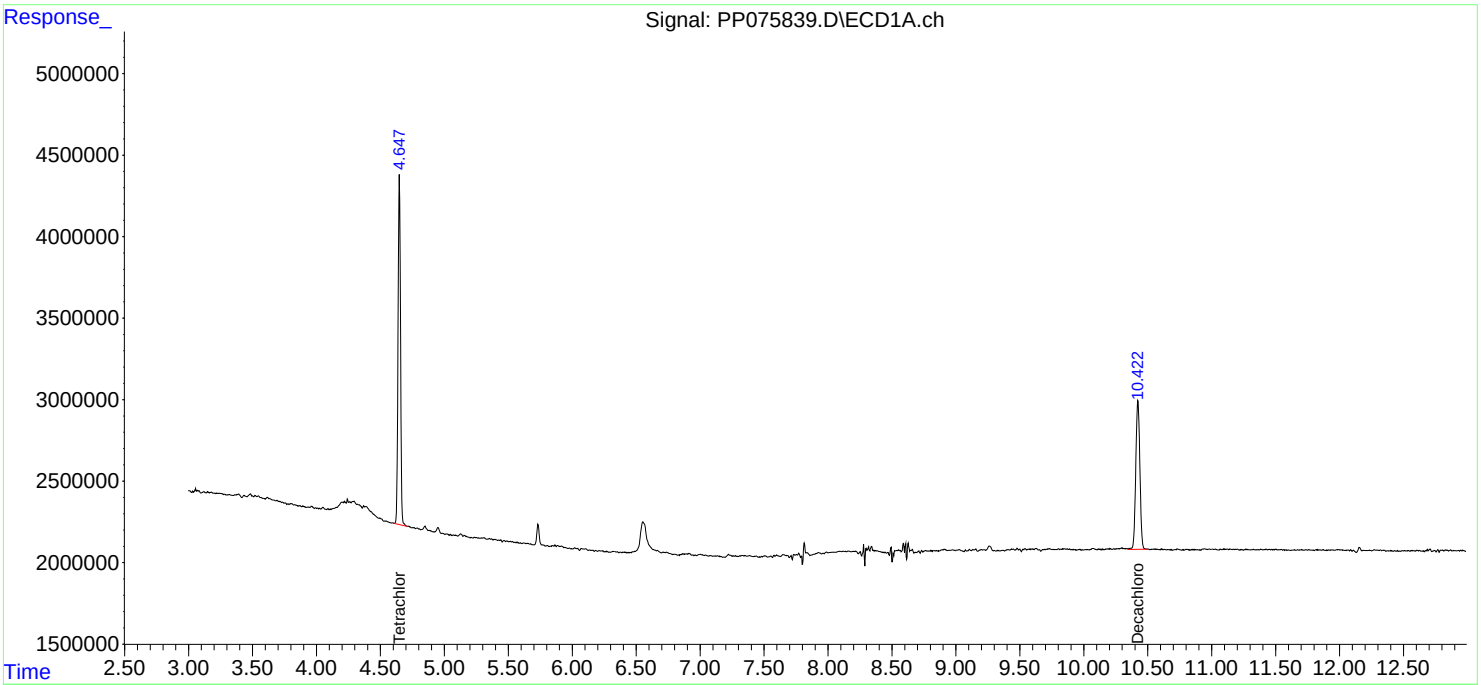
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

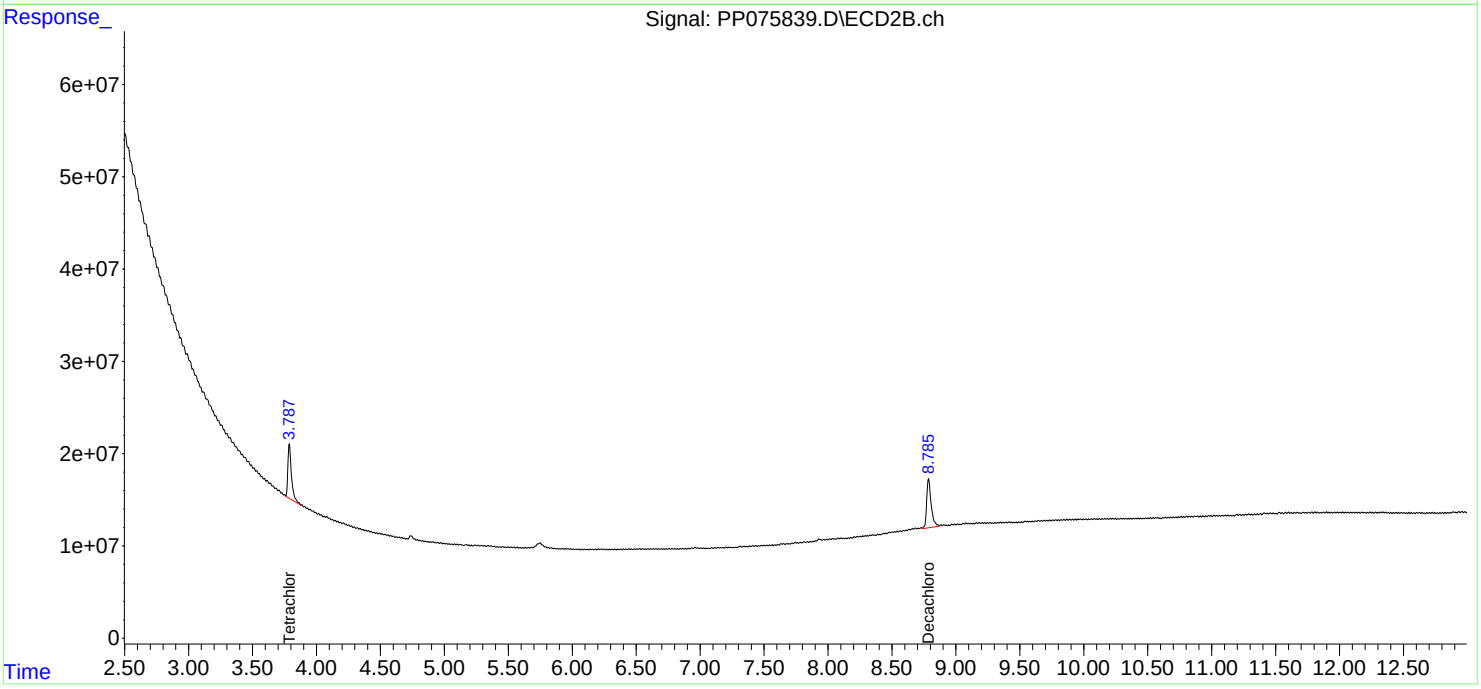
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:55
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

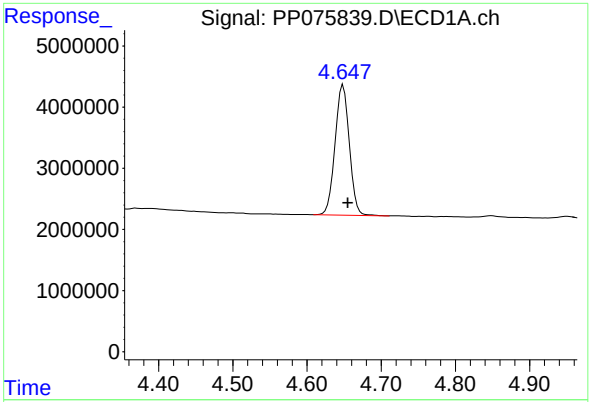
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:09:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



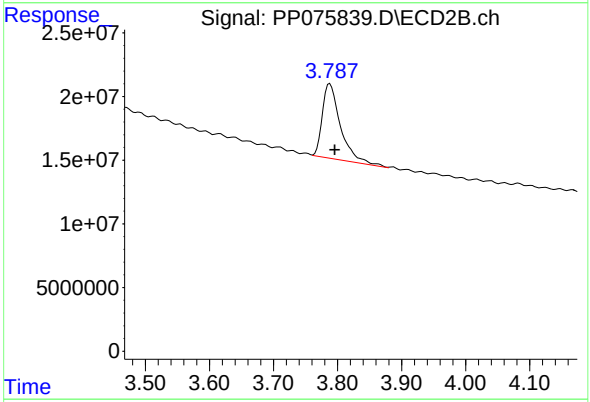




#1 Tetrachloro-m-xylene

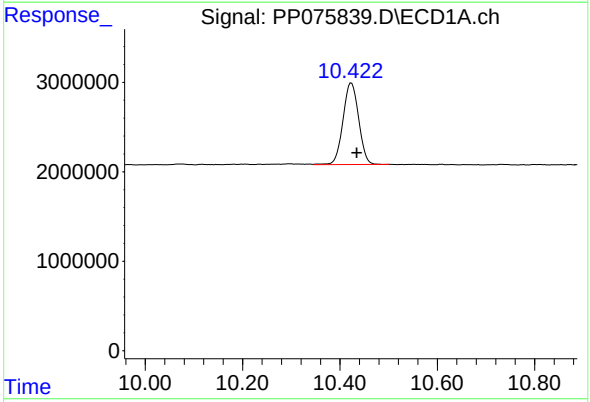
R.T.: 4.649 min
Delta R.T.: -0.006 min
Response: 28584854
Conc: 21.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



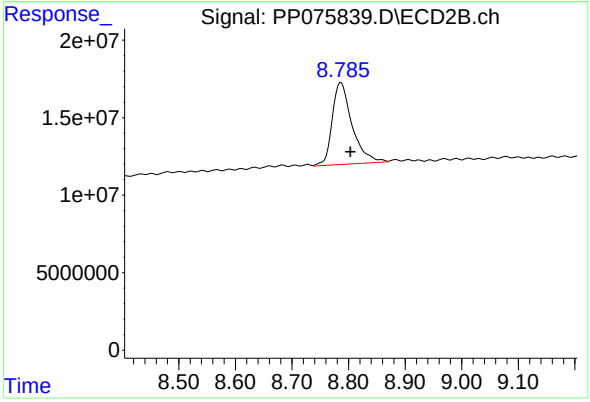
#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.008 min
Response: 115807642
Conc: 18.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: -0.011 min
Response: 20378511
Conc: 20.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: -0.017 min
Response: 129086889
Conc: 21.40 ng/ml

Raw Data: **PP075854.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PP075854.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075854.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	pp101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	pp101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	pp101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	pp101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	pp101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	pp101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	pp101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	pp101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	pp101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.5			60 - 140	93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.1			60 - 140	96%	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\PP101725\
Data File : PP075854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 17:39
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: Oct 17 23:06:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.652	3.790	27897451	113.0E6	21.320	18.514
2)	SA Decachlor...	10.429	8.791	19067525	121.1E6	19.114	20.074
	Target Compounds						

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

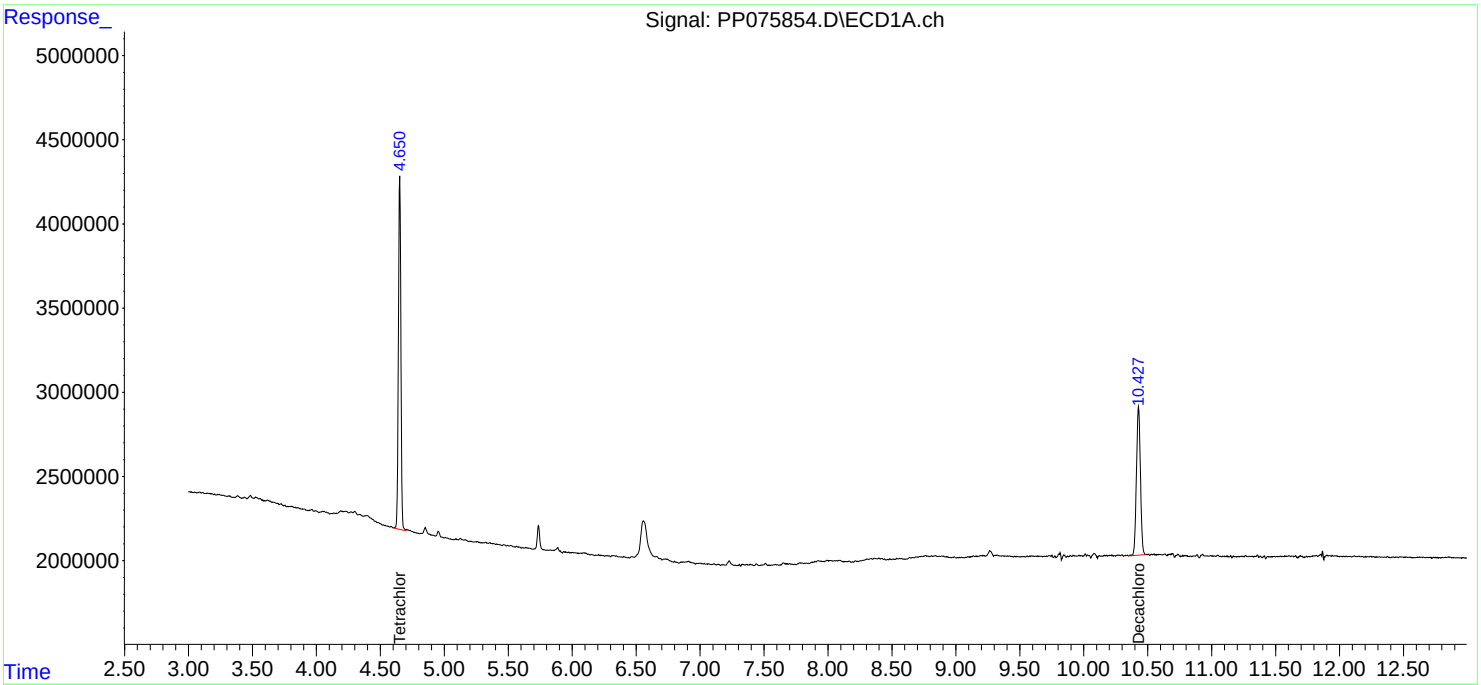
Sample Results: **PP075854.D**

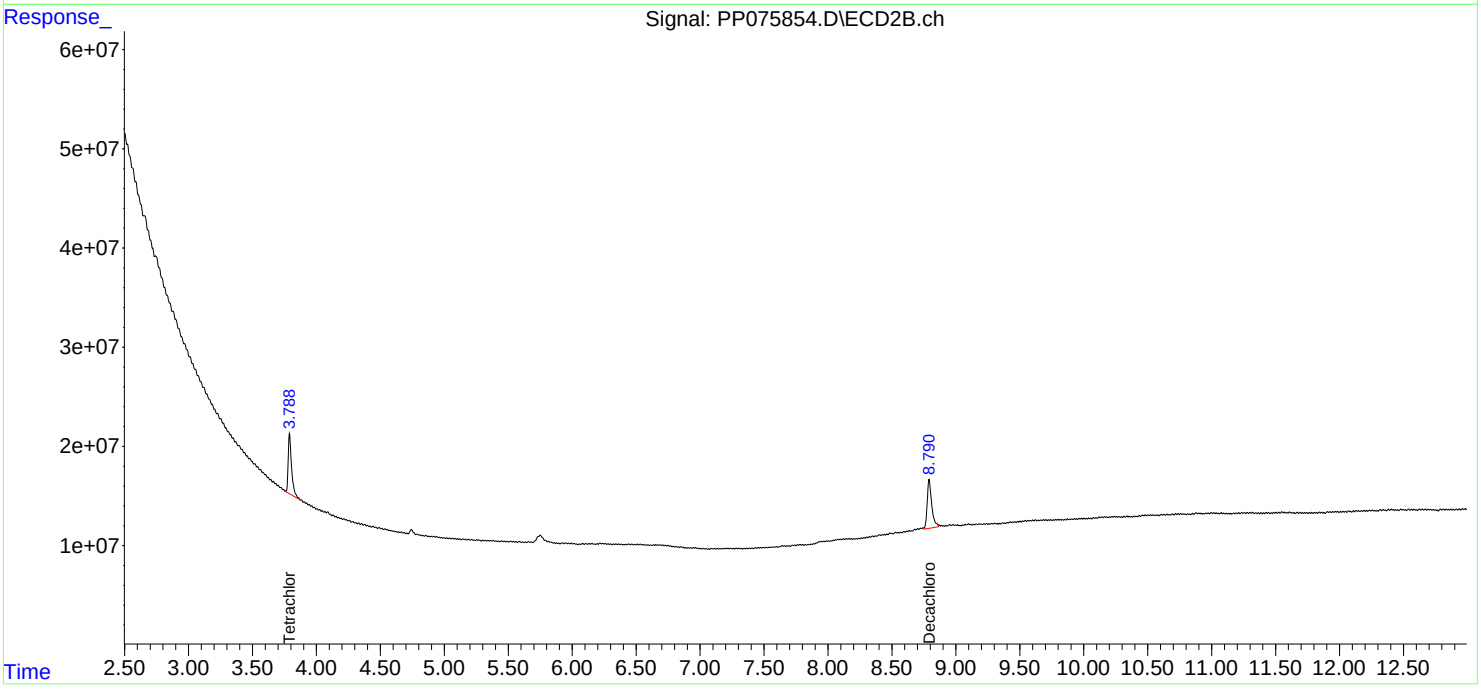
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 17:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

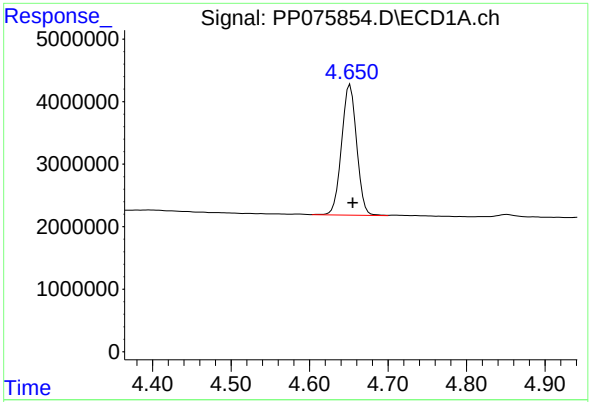
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:06:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



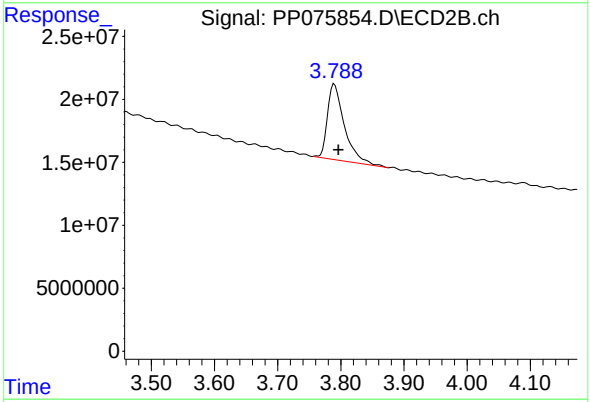




#1 Tetrachloro-m-xylene

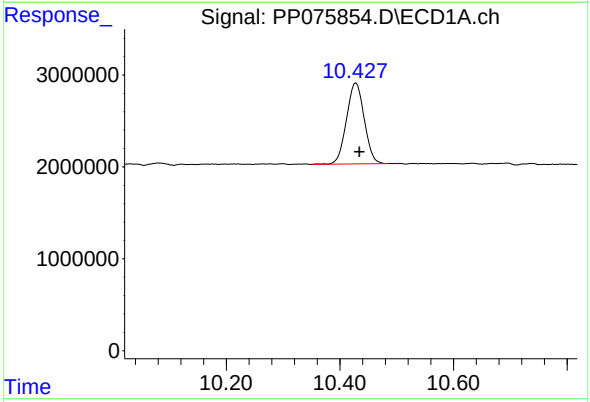
R.T.: 4.652 min
Delta R.T.: -0.003 min
Response: 27897451
Conc: 21.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



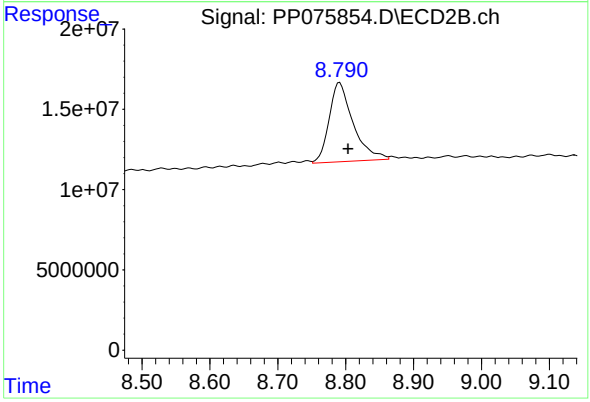
#1 Tetrachloro-m-xylene

R.T.: 3.790 min
Delta R.T.: -0.006 min
Response: 112950556
Conc: 18.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.429 min
Delta R.T.: -0.006 min
Response: 19067525
Conc: 19.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.791 min
Delta R.T.: -0.012 min
Response: 121096336
Conc: 20.07 ng/ml

Raw Data: **PP075866.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PP075866.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075866.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	pp101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	pp101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	pp101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	pp101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	pp101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	pp101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	pp101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	pp101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	pp101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.1			60 - 140	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.9			60 - 140	90%	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\PP101725\
Data File : PP075866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 22:16
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: Oct 17 23:09:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.653	3.792	27394970	110.4E6	20.936	18.103
2)	SA Decachlor...	10.430	8.791	18905092	108.3E6	18.952	17.946
	Target Compounds						

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

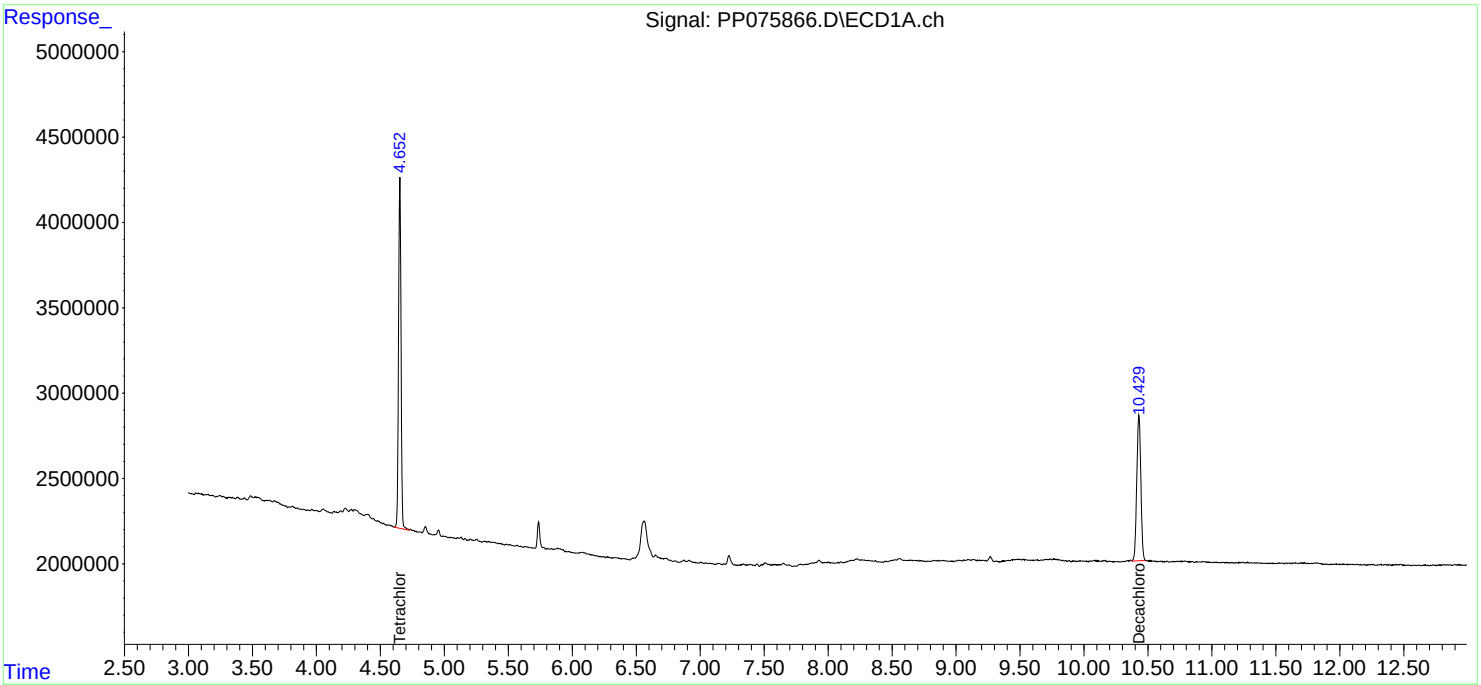
Sample Results: **PP075866.D**

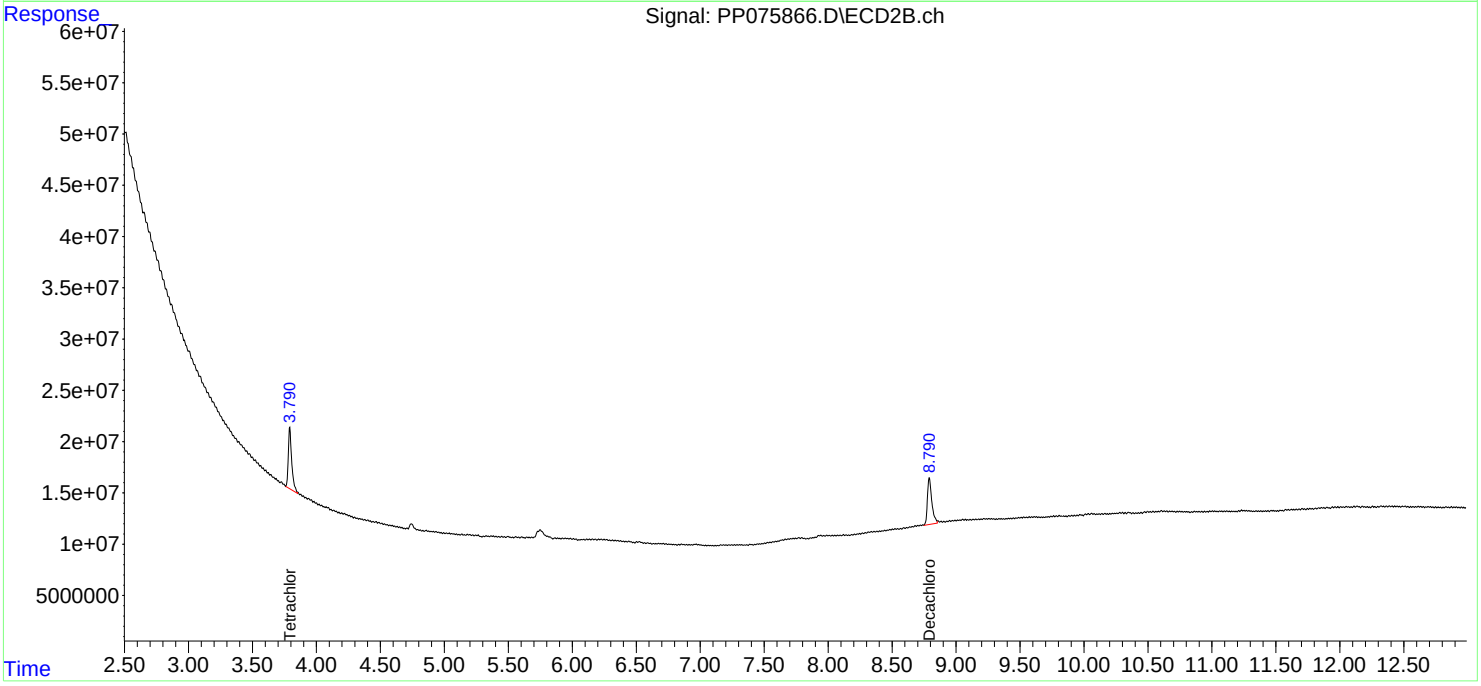
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101725\
Data File : PP075866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 22:16
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

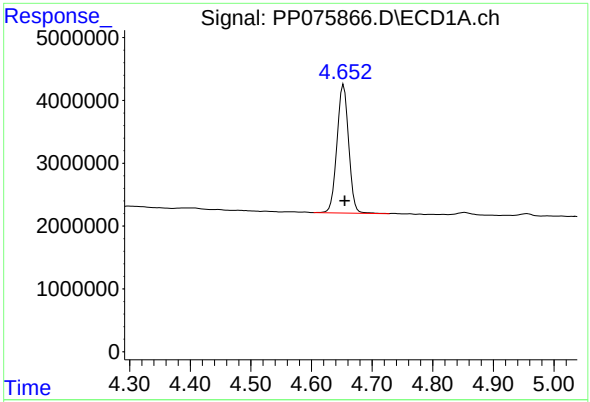
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 23:09:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



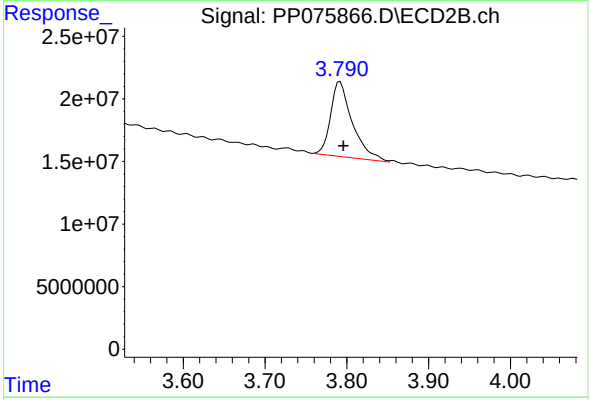




#1 Tetrachloro-m-xylene

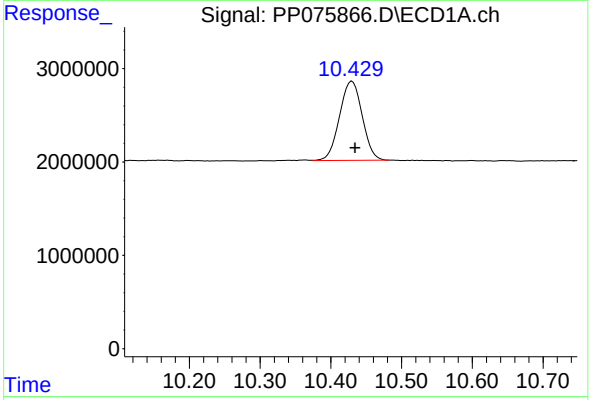
R.T.: 4.653 min
Delta R.T.: -0.002 min
Response: 27394970
Conc: 20.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



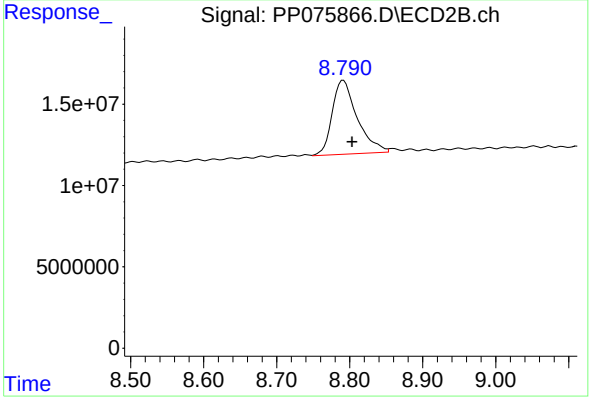
#1 Tetrachloro-m-xylene

R.T.: 3.792 min
Delta R.T.: -0.004 min
Response: 110441626
Conc: 18.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.430 min
Delta R.T.: -0.004 min
Response: 18905092
Conc: 18.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.791 min
Delta R.T.: -0.012 min
Response: 108260756
Conc: 17.95 ng/ml

Raw Data: **PO114454.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170141BS	SDG No.:	Q3363
Lab Sample ID:	PB170141BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	167		1	3.90	17.0	ug/kg	10/17/25 12:47	PB170141
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:47	PB170141
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/17/25 12:47	PB170141
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:47	PB170141
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/17/25 12:47	PB170141
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/17/25 12:47	PB170141
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/17/25 12:47	PB170141
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/17/25 12:47	PB170141
11096-82-5	Aroclor-1260	169		1	3.20	17.0	ug/kg	10/17/25 12:47	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.6			32 - 144	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.4			32 - 175	117%	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

Sample Results: **PO114454.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:47
Operator : YP/AJ
Sample : PB170141BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB170141BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:45:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.355	3.657	133.5E6	89889971	24.589	22.460
2)	SA Decachlor...	9.941	8.663	85066728	75113163	23.363	22.535m
	Target Compounds						
3)	L1 AR-1016-1	5.493	4.739	90265492	83124874	500.480	493.661
4)	L1 AR-1016-2	5.515	4.758	149.9E6	119.0E6	492.613	491.822
5)	L1 AR-1016-3	5.576	4.933	85076288	63805588	481.059	513.924
6)	L1 AR-1016-4	5.672	4.975	70500342	49045958	512.527	508.114
7)	L1 AR-1016-5	5.964	5.188	62428321	62918967	494.421	492.110
31)	L7 AR-1260-1	7.077	6.221	111.3E6	127.7E6	510.767	542.415
32)	L7 AR-1260-2	7.331	6.408	154.1E6	186.4E6	499.468	557.472
33)	L7 AR-1260-3	7.688	6.561	108.4E6	148.6E6	422.691	503.750
34)	L7 AR-1260-4	7.910	7.033	103.1E6	106.5E6	442.830	477.636
35)	L7 AR-1260-5	8.217	7.273	244.9E6	280.5E6	422.069	457.691

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

Sample Results: **PO114454.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:47
Operator : YP/AJ
Sample : PB170141BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

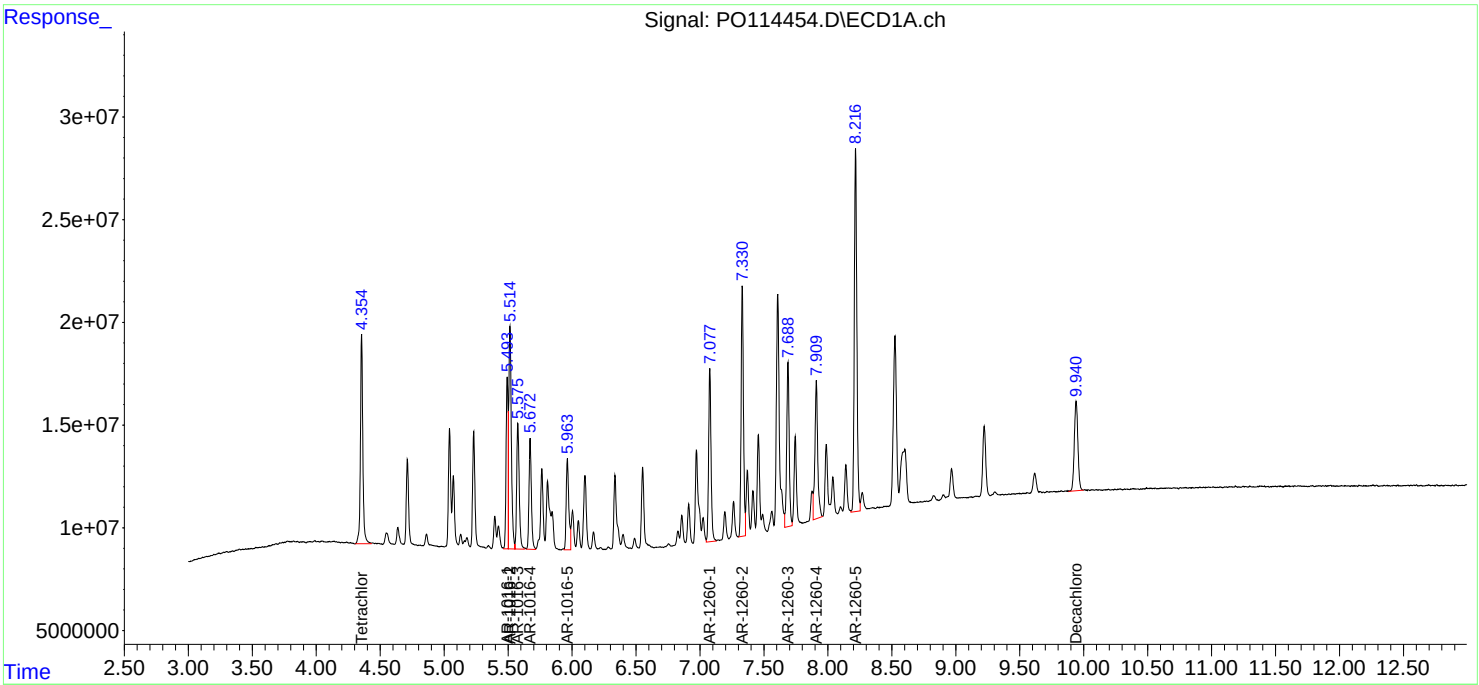
Instrument :
ECD_O
ClientSampleId :
PB170141BS

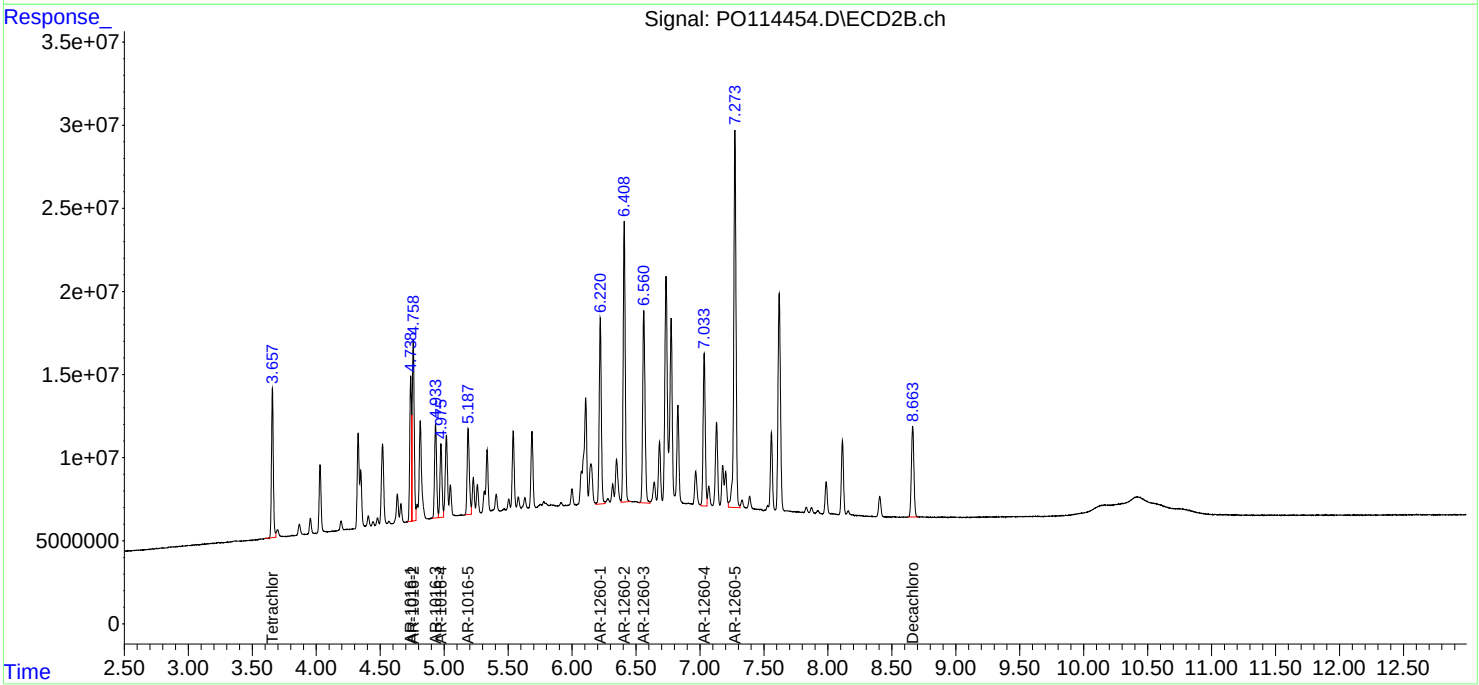
Manual Integrations APPROVED

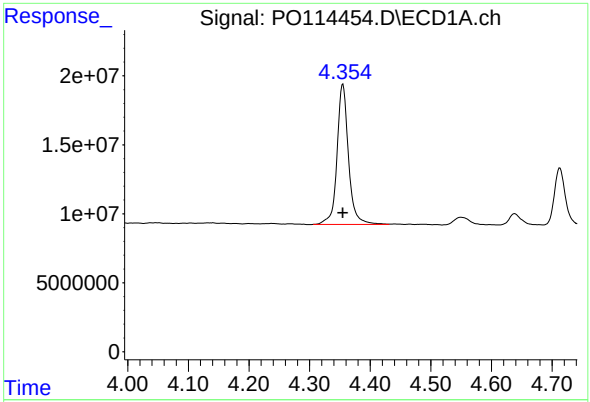
Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:45:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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







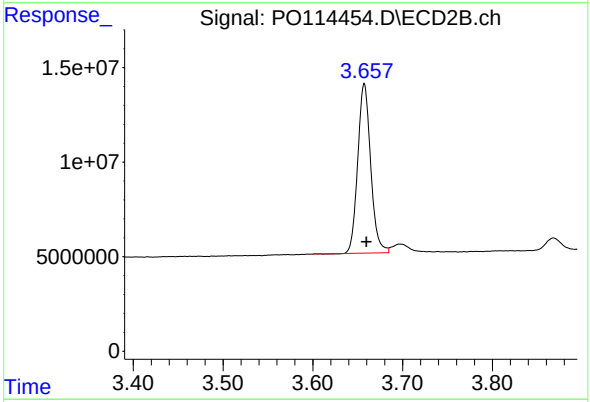
#1 Tetrachloro-m-xylene

R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 133490847
Conc: 24.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170141BS

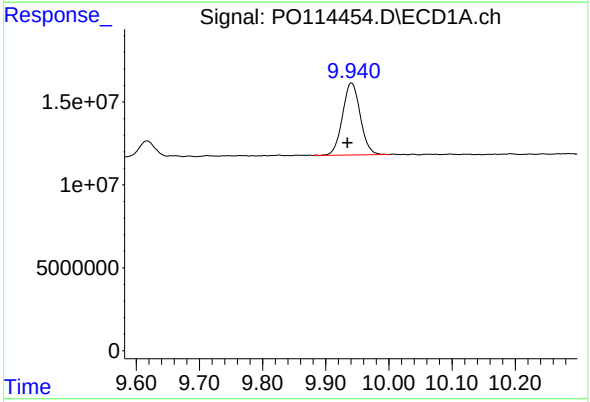
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



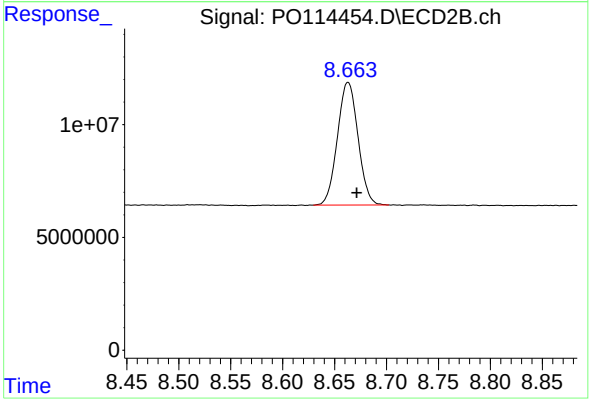
#1 Tetrachloro-m-xylene

R.T.: 3.657 min
Delta R.T.: -0.002 min
Response: 89889971
Conc: 22.46 ng/ml



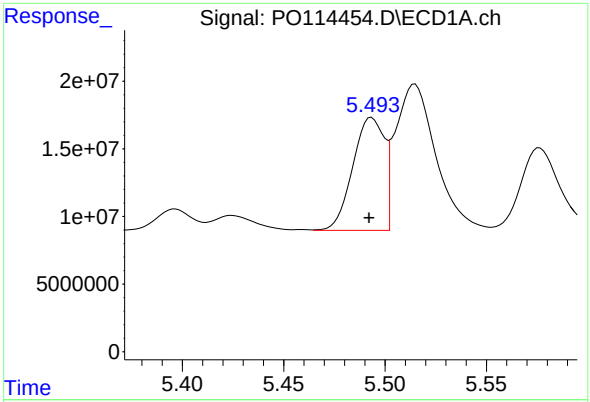
#2 Decachlorobiphenyl

R.T.: 9.941 min
Delta R.T.: 0.006 min
Response: 85066728
Conc: 23.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.663 min
Delta R.T.: -0.009 min
Response: 75113163
Conc: 22.53 ng/ml m



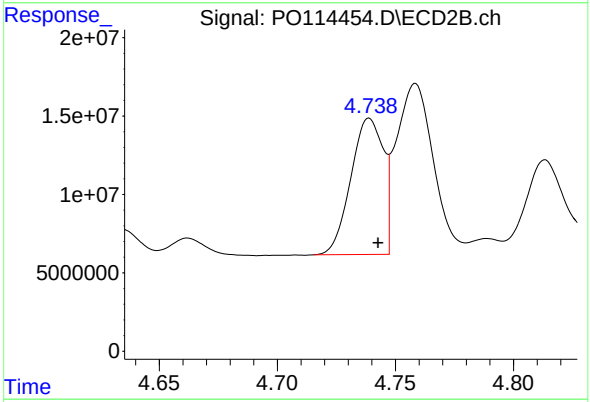
#3 AR-1016-1

R.T.: 5.493 min
Delta R.T.: 0.001 min
Response: 90265492
Conc: 500.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170141BS

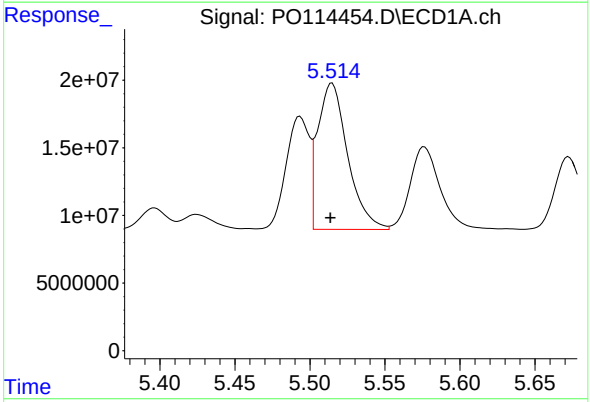
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



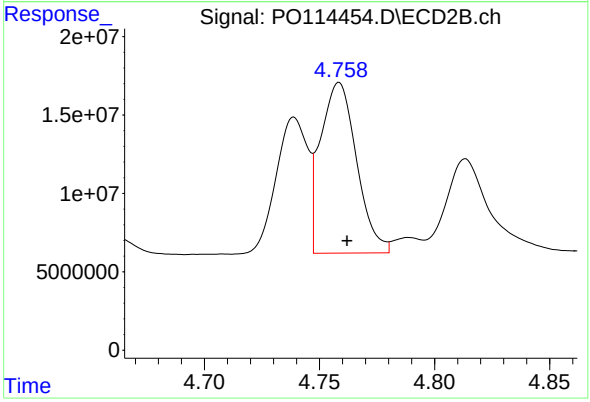
#3 AR-1016-1

R.T.: 4.739 min
Delta R.T.: -0.004 min
Response: 83124874
Conc: 493.66 ng/ml



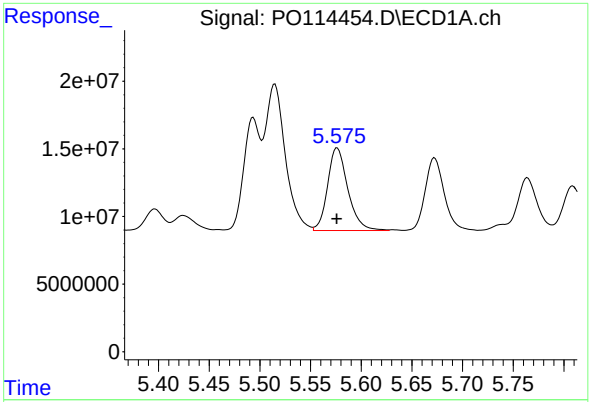
#4 AR-1016-2

R.T.: 5.515 min
Delta R.T.: 0.001 min
Response: 149900741
Conc: 492.61 ng/ml



#4 AR-1016-2

R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 119038504
Conc: 491.82 ng/ml



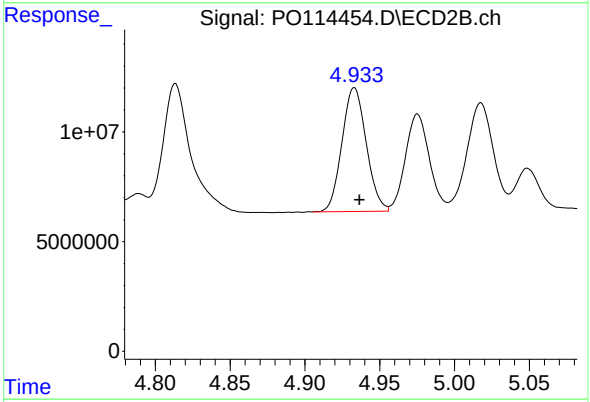
#5 AR-1016-3

R.T.: 5.576 min
Delta R.T.: 0.000 min
Response: 85076288
Conc: 481.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170141BS

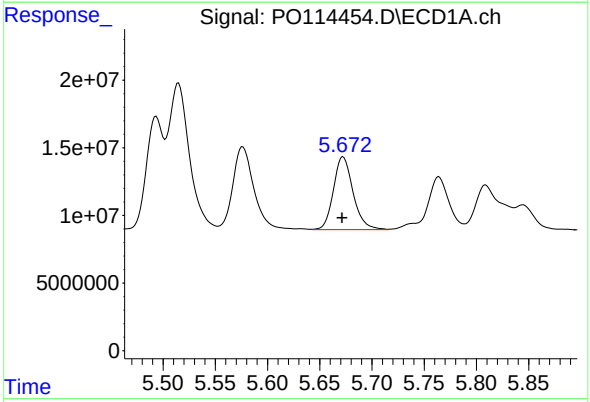
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



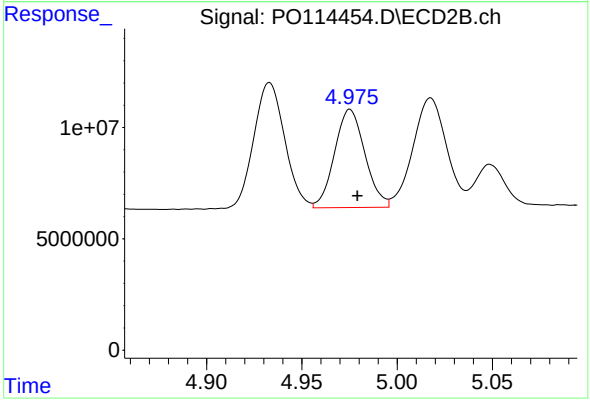
#5 AR-1016-3

R.T.: 4.933 min
Delta R.T.: -0.003 min
Response: 63805588
Conc: 513.92 ng/ml



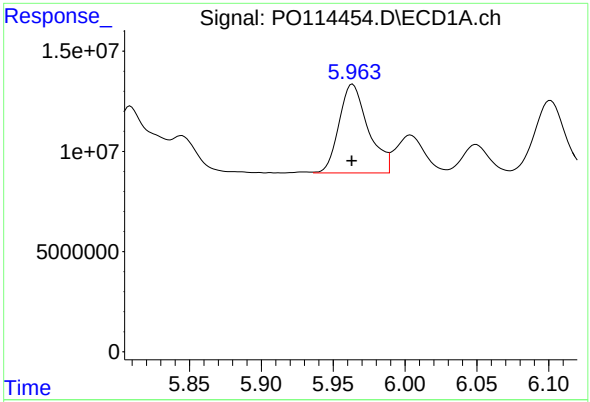
#6 AR-1016-4

R.T.: 5.672 min
Delta R.T.: 0.001 min
Response: 70500342
Conc: 512.53 ng/ml



#6 AR-1016-4

R.T.: 4.975 min
Delta R.T.: -0.004 min
Response: 49045958
Conc: 508.11 ng/ml



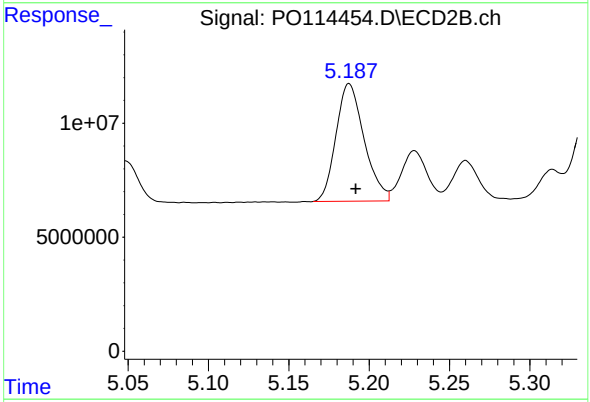
#7 AR-1016-5

R.T.: 5.964 min
Delta R.T.: 0.000 min
Response: 62428321
Conc: 494.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170141BS

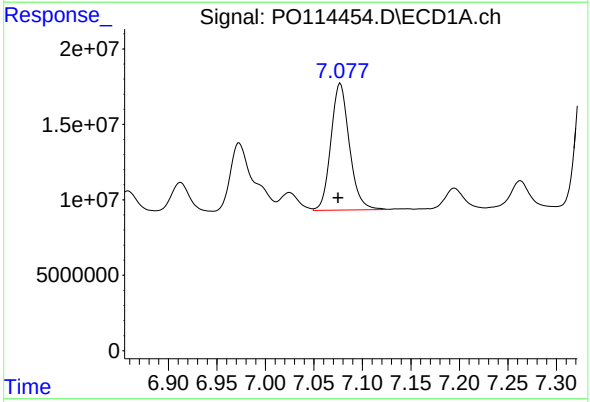
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



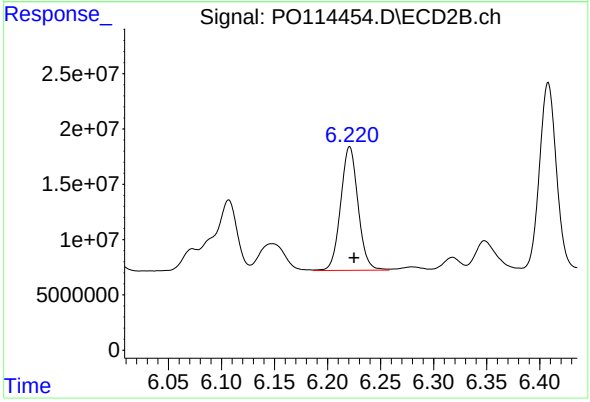
#7 AR-1016-5

R.T.: 5.188 min
Delta R.T.: -0.004 min
Response: 62918967
Conc: 492.11 ng/ml



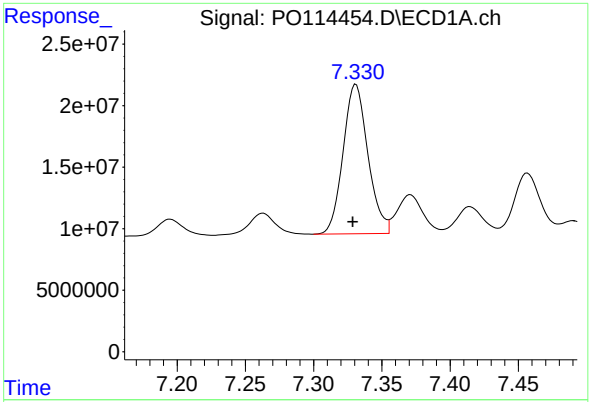
#31 AR-1260-1

R.T.: 7.077 min
Delta R.T.: 0.002 min
Response: 111312006
Conc: 510.77 ng/ml



#31 AR-1260-1

R.T.: 6.221 min
Delta R.T.: -0.004 min
Response: 127729771
Conc: 542.42 ng/ml



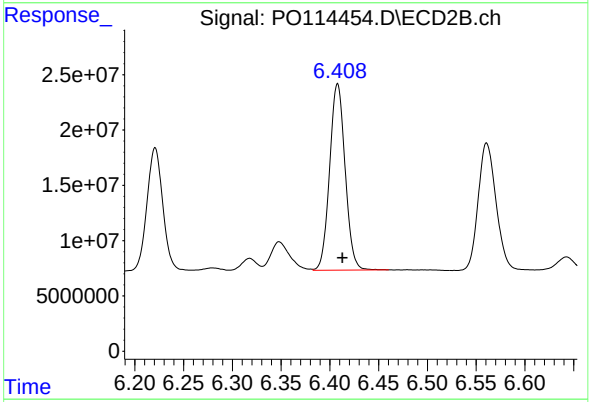
#32 AR-1260-2

R.T.: 7.331 min
Delta R.T.: 0.002 min
Response: 154088163
Conc: 499.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170141BS

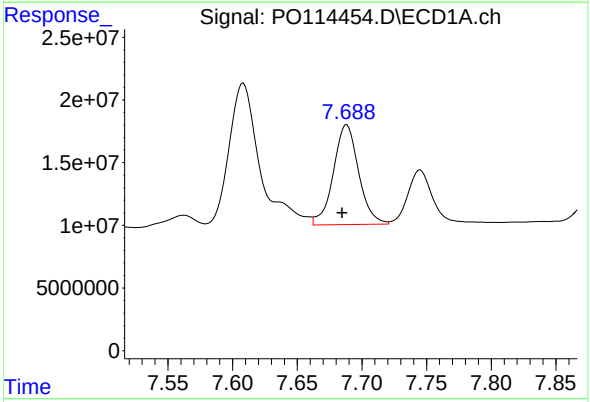
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



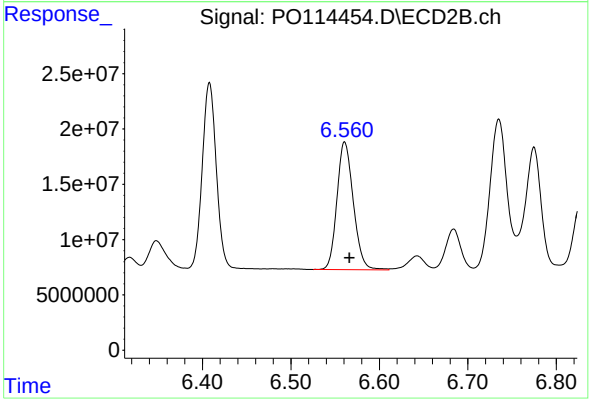
#32 AR-1260-2

R.T.: 6.408 min
Delta R.T.: -0.005 min
Response: 186412277
Conc: 557.47 ng/ml



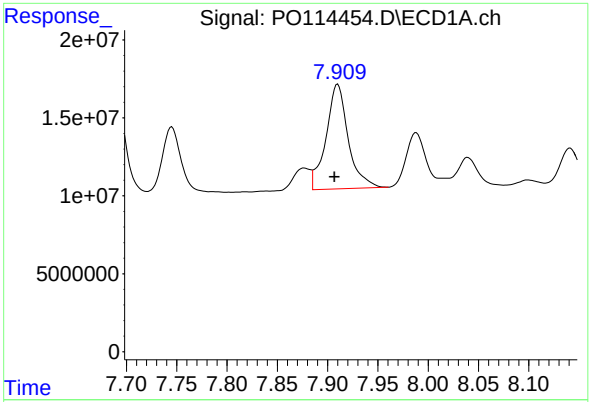
#33 AR-1260-3

R.T.: 7.688 min
Delta R.T.: 0.004 min
Response: 108407806
Conc: 422.69 ng/ml



#33 AR-1260-3

R.T.: 6.561 min
Delta R.T.: -0.005 min
Response: 148576752
Conc: 503.75 ng/ml



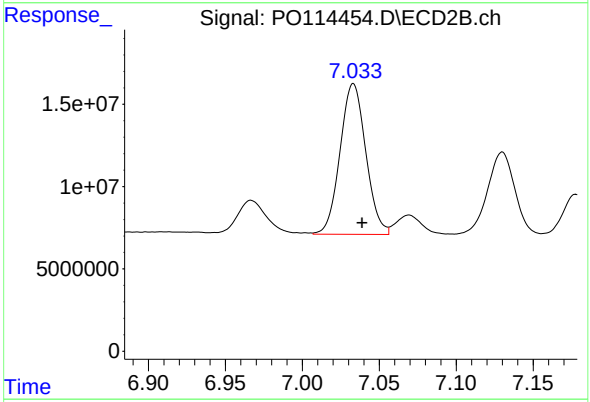
#34 AR-1260-4

R.T.: 7.910 min
Delta R.T.: 0.003 min
Response: 103143733
Conc: 442.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170141BS

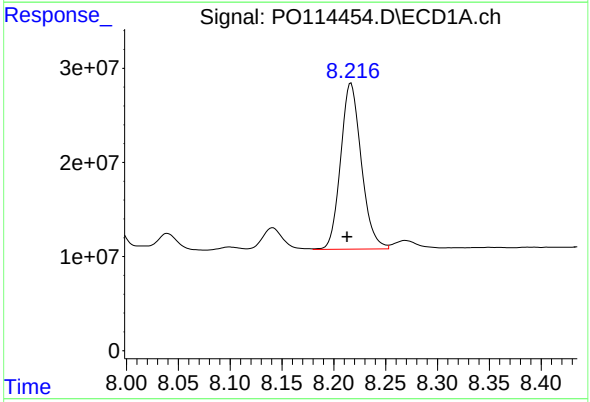
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2025
Supervised By :mohammad ahmed 10/24/2025



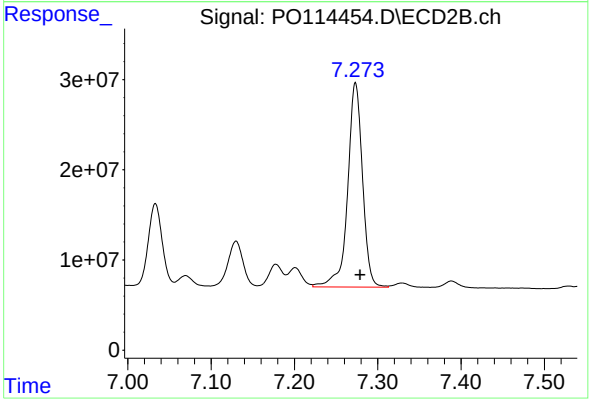
#34 AR-1260-4

R.T.: 7.033 min
Delta R.T.: -0.006 min
Response: 106469482
Conc: 477.64 ng/ml



#35 AR-1260-5

R.T.: 8.217 min
Delta R.T.: 0.004 min
Response: 244867742
Conc: 422.07 ng/ml



#35 AR-1260-5

R.T.: 7.273 min
Delta R.T.: -0.005 min
Response: 280547192
Conc: 457.69 ng/ml

Raw Data: **PO114459.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	MH-22MS	SDG No.:	Q3363
Lab Sample ID:	Q3369-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.2
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	177		1	4.40	19.0	ug/kg	10/17/25 14:18	PB170141
11104-28-2	Aroclor-1221	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:18	PB170141
11141-16-5	Aroclor-1232	19.0	U	1	4.20	19.0	ug/kg	10/17/25 14:18	PB170141
53469-21-9	Aroclor-1242	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:18	PB170141
12672-29-6	Aroclor-1248	19.0	U	1	6.60	19.0	ug/kg	10/17/25 14:18	PB170141
11097-69-1	Aroclor-1254	19.0	U	1	3.60	19.0	ug/kg	10/17/25 14:18	PB170141
37324-23-5	Aroclor-1262	19.0	U	1	5.60	19.0	ug/kg	10/17/25 14:18	PB170141
11100-14-4	Aroclor-1268	19.0	U	1	4.00	19.0	ug/kg	10/17/25 14:18	PB170141
11096-82-5	Aroclor-1260	160		1	3.60	19.0	ug/kg	10/17/25 14:18	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.8			32 - 144	104%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			32 - 175	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

Sample Results: **PO114459.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114459.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:18
Operator : YP/AJ
Sample : Q3369-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-22MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:48:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.356	3.659	112.8E6	82906144	20.776	20.715
2)	SA Decachlor...	9.942	8.664	59727750	49530712	16.404	14.860m
	Target Compounds						
3)	L1 AR-1016-1	5.494	4.740	71636382	69655823	397.191m	413.671
4)	L1 AR-1016-2	5.515	4.760	117.1E6	143.3E6	384.962m	592.212 #
5)	L1 AR-1016-3	5.578	4.934	70225248	57412732	397.084m	462.433
6)	L1 AR-1016-4	5.671	4.977	77378041	41658681	562.526m	431.582
7)	L1 AR-1016-5	5.965	5.189	60010054	60609495	475.268m	474.047m
31)	L7 AR-1260-1	7.078	6.222	110.0E6	124.6E6	504.734	529.059
32)	L7 AR-1260-2	7.331	6.409	163.0E6	150.3E6	528.220	449.551
33)	L7 AR-1260-3	7.689	6.562	92206624	123.7E6	359.521	419.386
34)	L7 AR-1260-4	7.910	7.035	91841851	80943988	394.307m	363.125
35)	L7 AR-1260-5	8.218	7.275	204.6E6	208.5E6	352.686	340.183

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

Sample Results: **PO114459.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114459.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:18
Operator : YP/AJ
Sample : Q3369-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

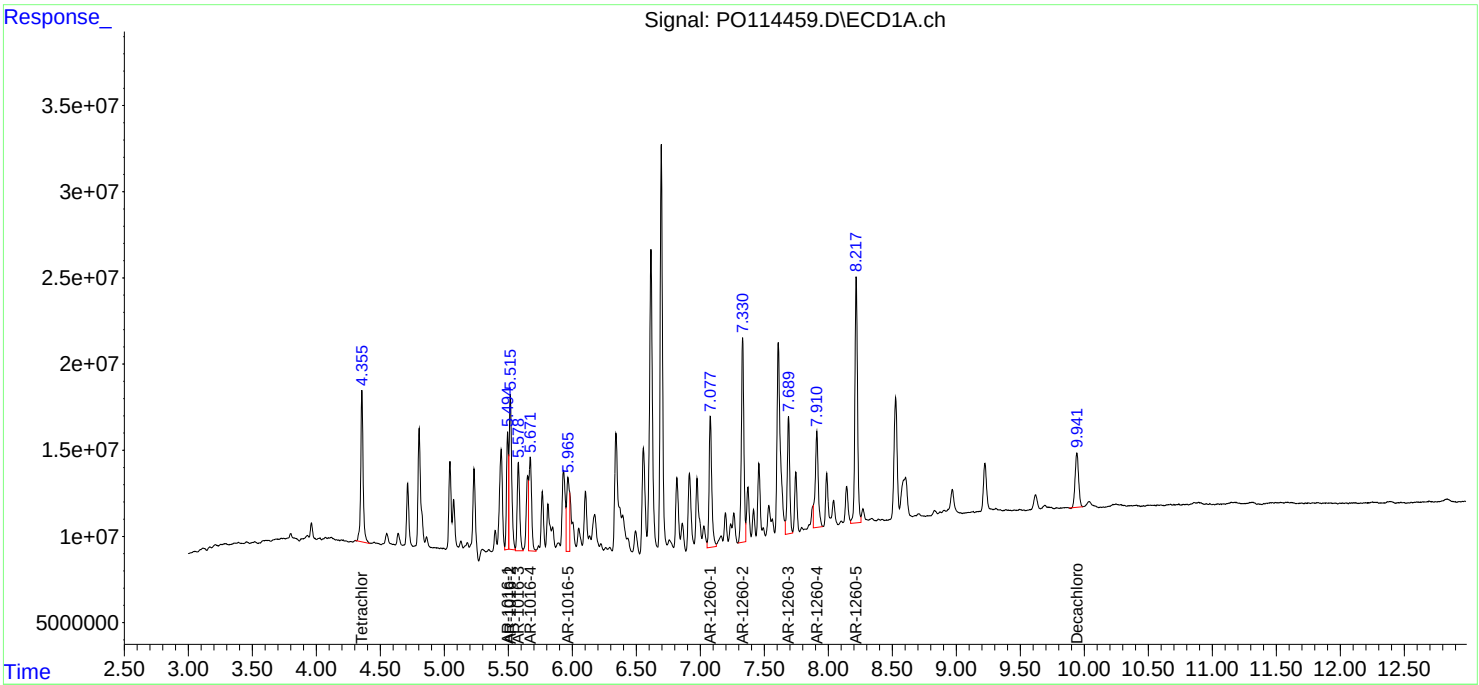
Instrument :
ECD_O
ClientSampleId :
MH-22MS

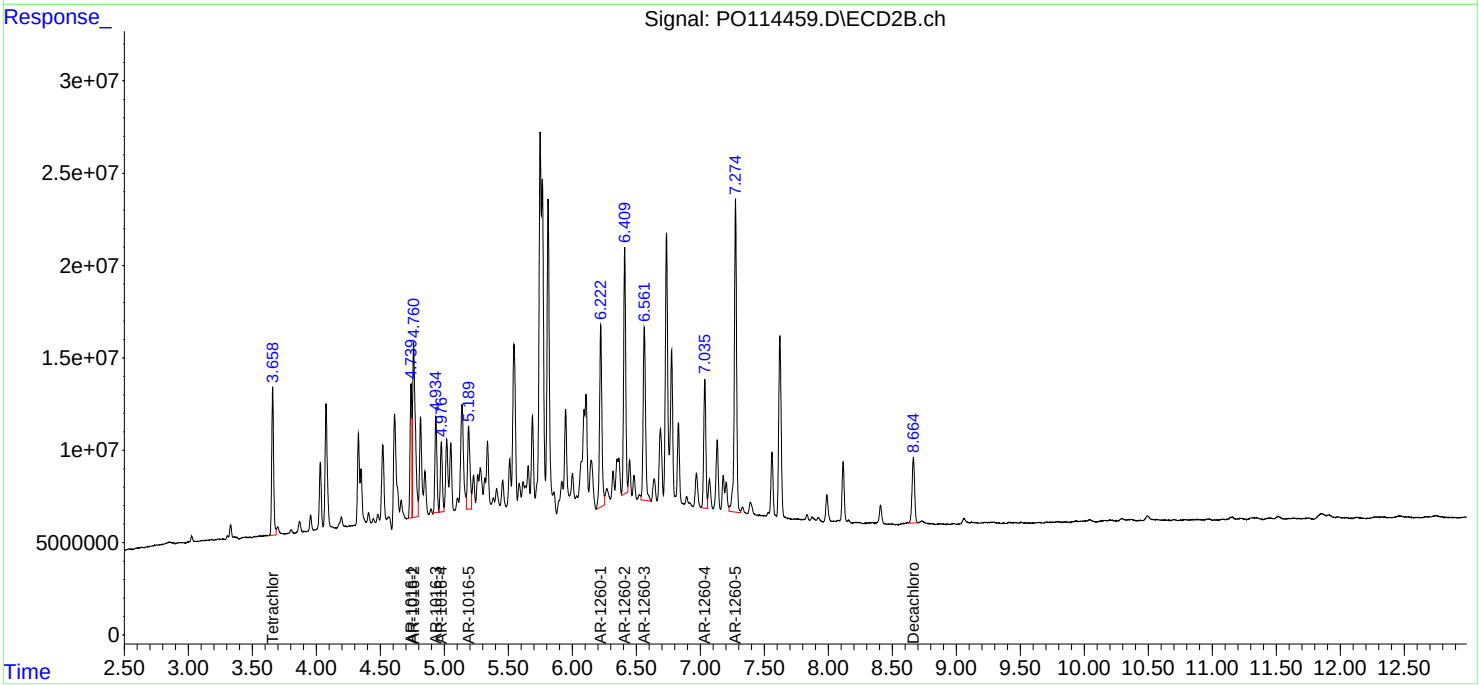
Manual Integrations APPROVED

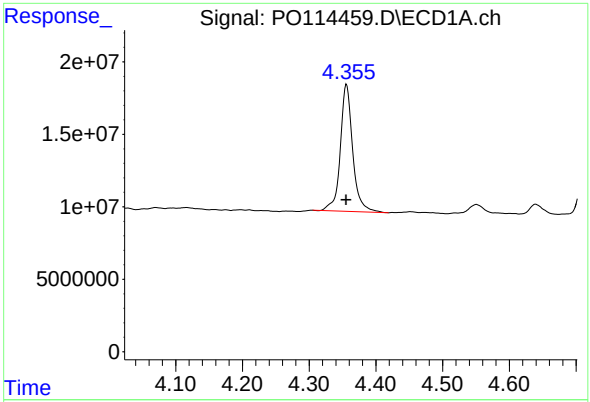
Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:48:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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







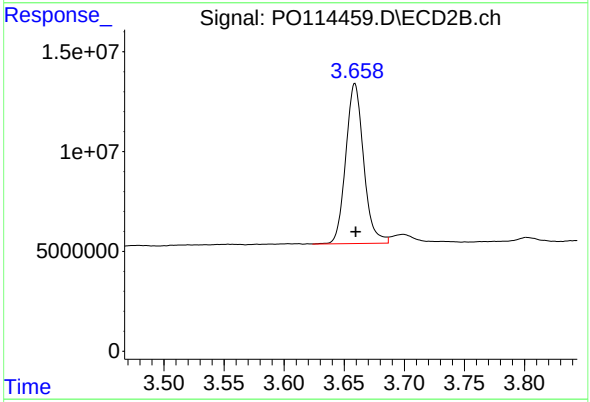
#1 Tetrachloro-m-xylene

R.T.: 4.356 min
Delta R.T.: 0.001 min
Response: 112793944
Conc: 20.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MS

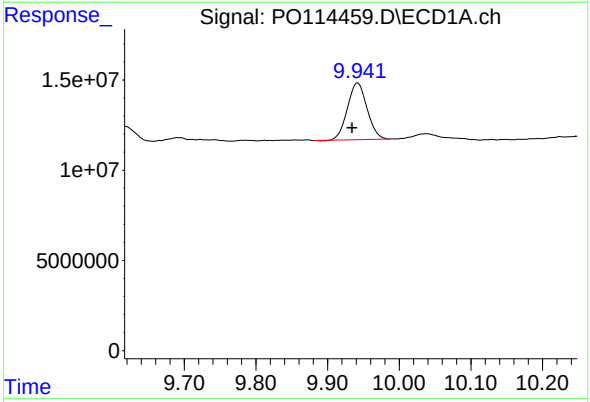
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



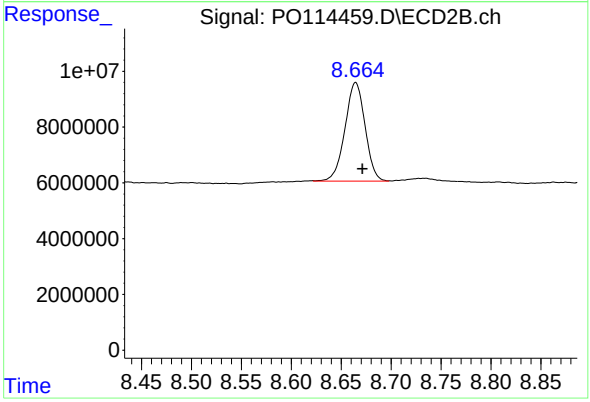
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 82906144
Conc: 20.71 ng/ml



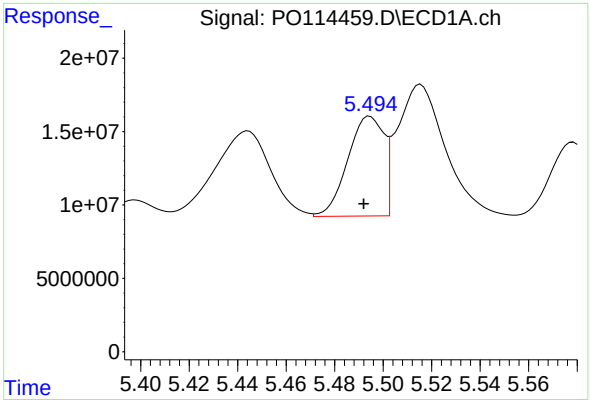
#2 Decachlorobiphenyl

R.T.: 9.942 min
Delta R.T.: 0.008 min
Response: 59727750
Conc: 16.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.664 min
Delta R.T.: -0.007 min
Response: 49530712
Conc: 14.86 ng/ml m



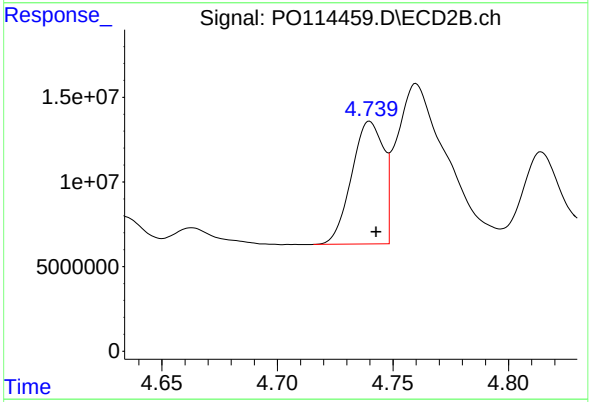
#3 AR-1016-1

R.T.: 5.494 min
Delta R.T.: 0.002 min
Response: 71636382
Conc: 397.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MS

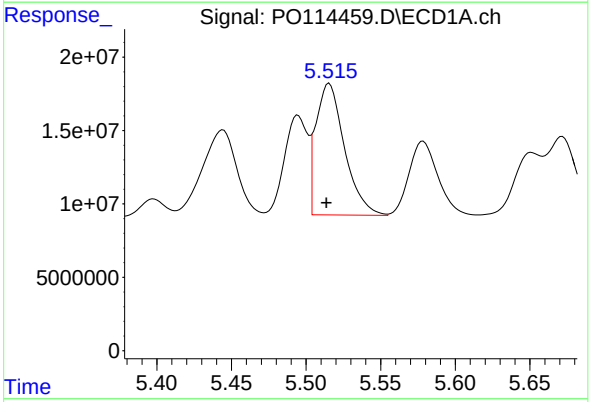
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



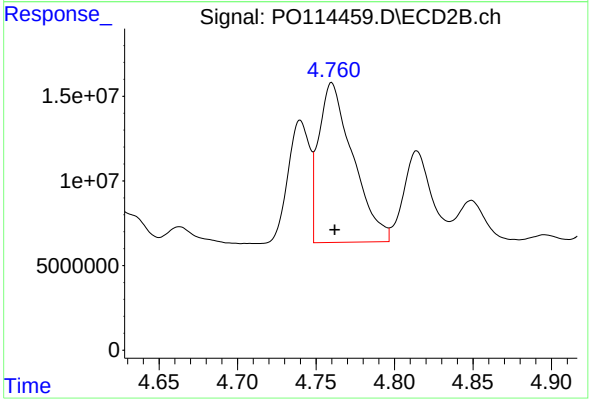
#3 AR-1016-1

R.T.: 4.740 min
Delta R.T.: -0.003 min
Response: 69655823
Conc: 413.67 ng/ml



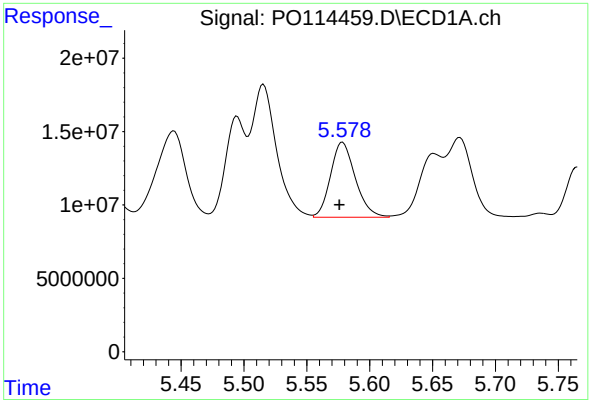
#4 AR-1016-2

R.T.: 5.515 min
Delta R.T.: 0.001 min
Response: 117142848
Conc: 384.96 ng/ml m



#4 AR-1016-2

R.T.: 4.760 min
Delta R.T.: -0.002 min
Response: 143336420
Conc: 592.21 ng/ml



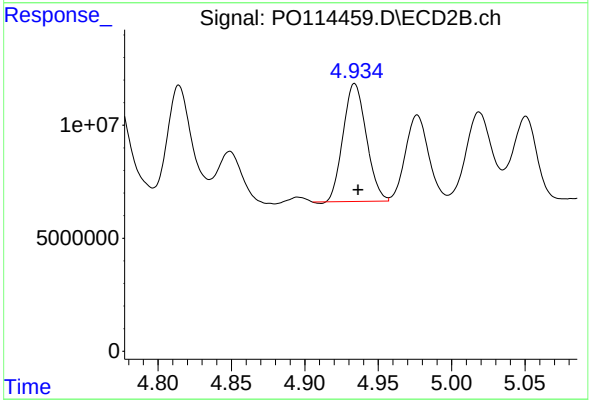
#5 AR-1016-3

R.T.: 5.578 min
Delta R.T.: 0.002 min
Response: 70225248
Conc: 397.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MS

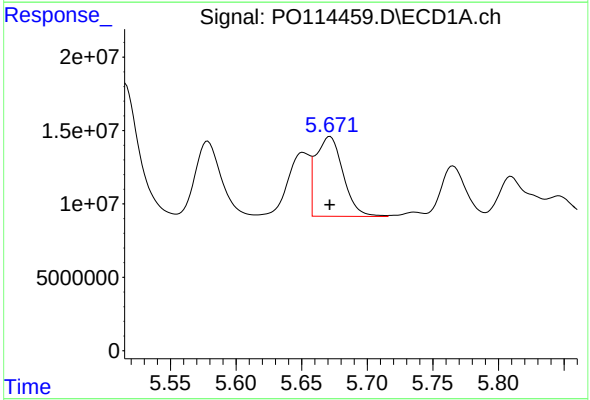
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



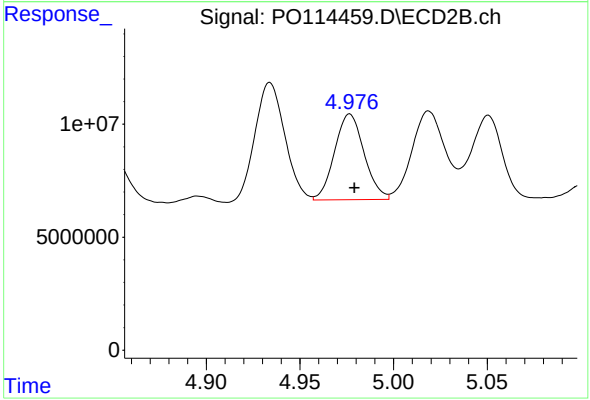
#5 AR-1016-3

R.T.: 4.934 min
Delta R.T.: -0.002 min
Response: 57412732
Conc: 462.43 ng/ml



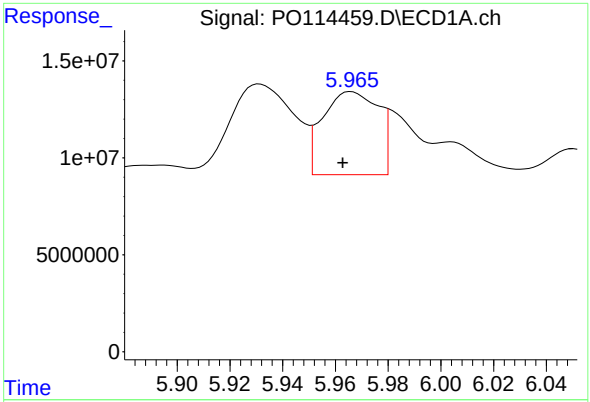
#6 AR-1016-4

R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 77378041
Conc: 562.53 ng/ml m



#6 AR-1016-4

R.T.: 4.977 min
Delta R.T.: -0.003 min
Response: 41658681
Conc: 431.58 ng/ml



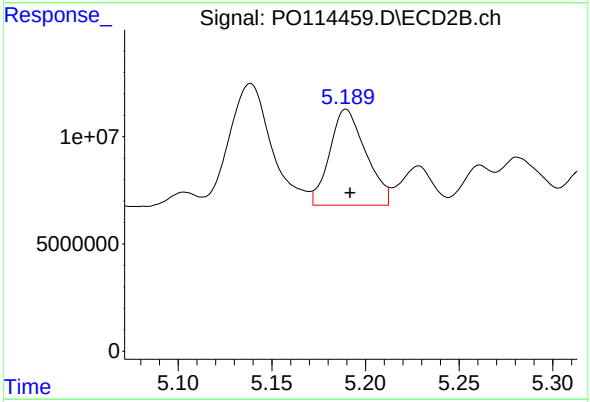
#7 AR-1016-5

R.T.: 5.965 min
Delta R.T.: 0.002 min
Response: 60010054
Conc: 475.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MS

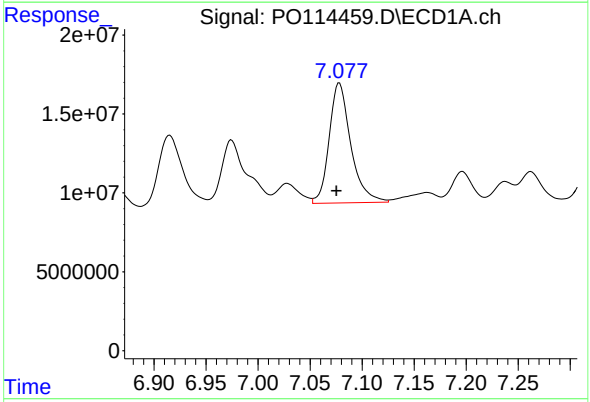
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



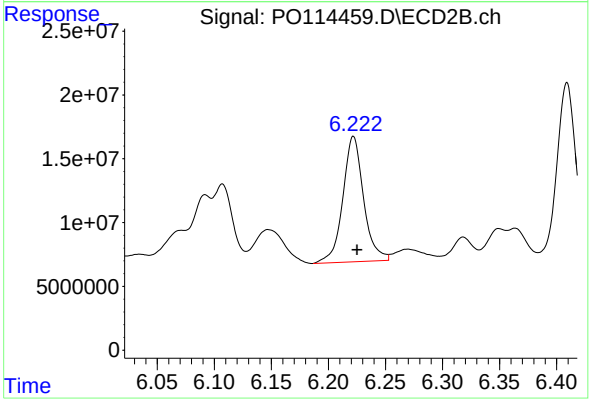
#7 AR-1016-5

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 60609495
Conc: 474.05 ng/ml m



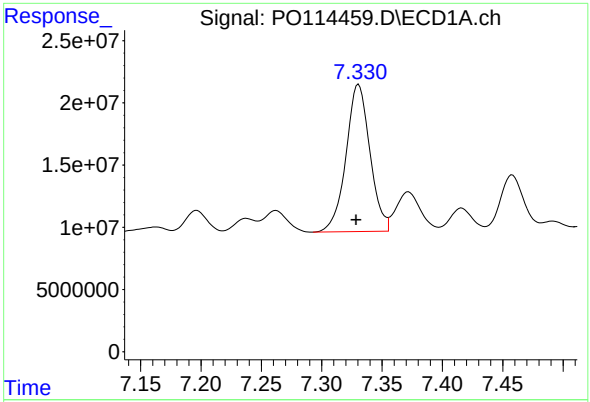
#31 AR-1260-1

R.T.: 7.078 min
Delta R.T.: 0.003 min
Response: 109997126
Conc: 504.73 ng/ml



#31 AR-1260-1

R.T.: 6.222 min
Delta R.T.: -0.003 min
Response: 124584512
Conc: 529.06 ng/ml



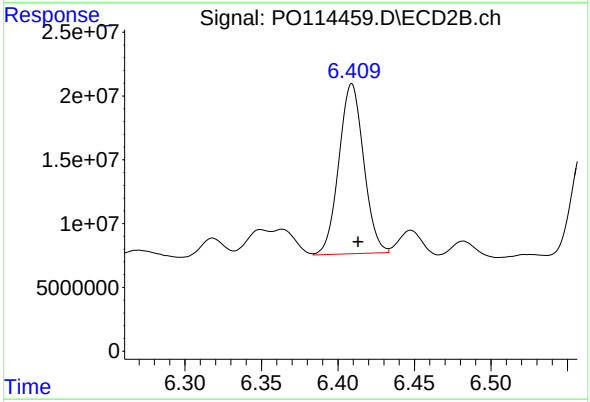
#32 AR-1260-2

R.T.: 7.331 min
Delta R.T.: 0.002 min
Response: 162958344
Conc: 528.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MS

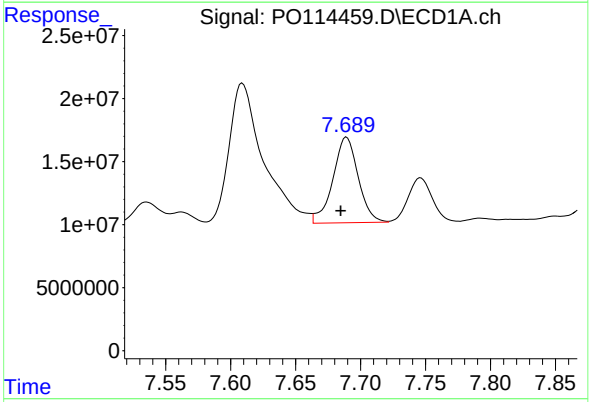
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



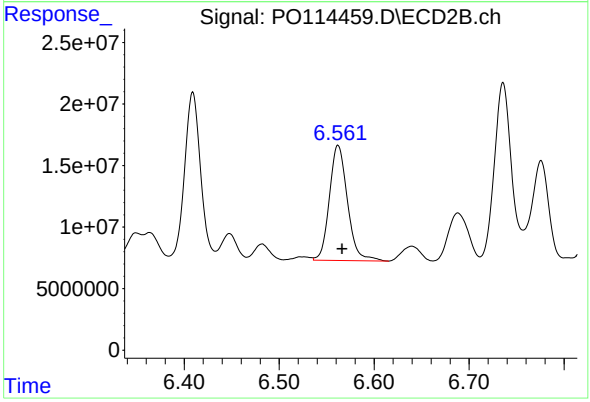
#32 AR-1260-2

R.T.: 6.409 min
Delta R.T.: -0.004 min
Response: 150324709
Conc: 449.55 ng/ml



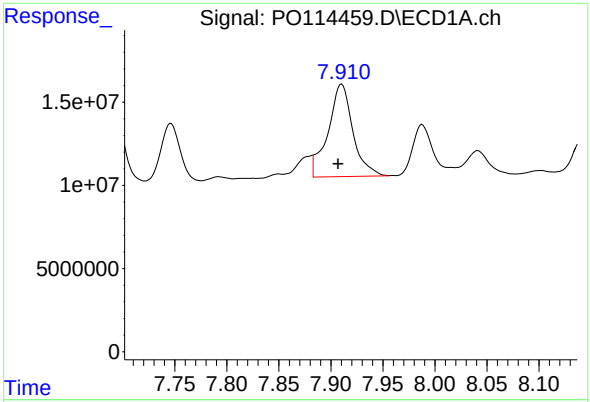
#33 AR-1260-3

R.T.: 7.689 min
Delta R.T.: 0.005 min
Response: 92206624
Conc: 359.52 ng/ml



#33 AR-1260-3

R.T.: 6.562 min
Delta R.T.: -0.004 min
Response: 123694198
Conc: 419.39 ng/ml



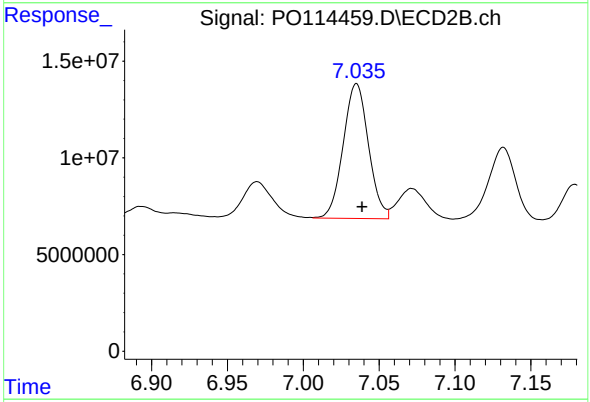
#34 AR-1260-4

R.T.: 7.910 min
Delta R.T.: 0.003 min
Response: 91841851
Conc: 394.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MS

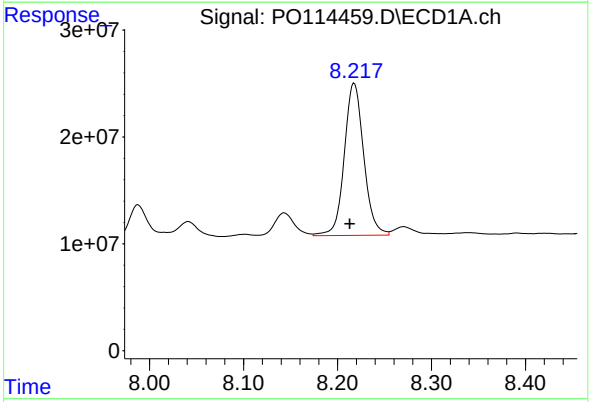
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



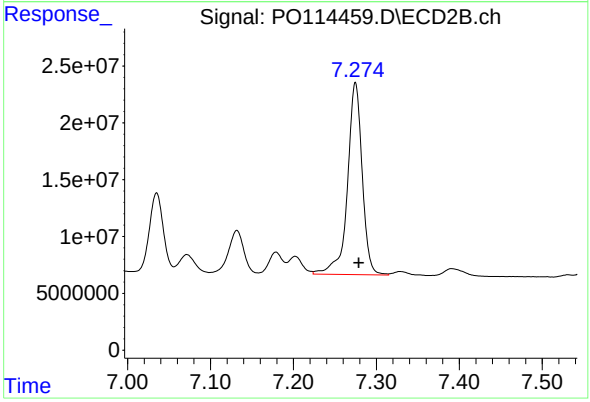
#34 AR-1260-4

R.T.: 7.035 min
Delta R.T.: -0.004 min
Response: 80943988
Conc: 363.13 ng/ml



#35 AR-1260-5

R.T.: 8.218 min
Delta R.T.: 0.005 min
Response: 204614577
Conc: 352.69 ng/ml



#35 AR-1260-5

R.T.: 7.275 min
Delta R.T.: -0.004 min
Response: 208519516
Conc: 340.18 ng/ml

Raw Data: **PO114460.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	MH-22MSD	SDG No.:	Q3363
Lab Sample ID:	Q3369-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.2
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	171		1	4.40	19.0	ug/kg	10/17/25 14:36	PB170141
11104-28-2	Aroclor-1221	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:36	PB170141
11141-16-5	Aroclor-1232	19.0	U	1	4.20	19.0	ug/kg	10/17/25 14:36	PB170141
53469-21-9	Aroclor-1242	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:36	PB170141
12672-29-6	Aroclor-1248	19.0	U	1	6.60	19.0	ug/kg	10/17/25 14:36	PB170141
11097-69-1	Aroclor-1254	19.0	U	1	3.60	19.0	ug/kg	10/17/25 14:36	PB170141
37324-23-5	Aroclor-1262	19.0	U	1	5.60	19.0	ug/kg	10/17/25 14:36	PB170141
11100-14-4	Aroclor-1268	19.0	U	1	4.00	19.0	ug/kg	10/17/25 14:36	PB170141
11096-82-5	Aroclor-1260	156		1	3.60	19.0	ug/kg	10/17/25 14:36	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.0			32 - 144	100%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			32 - 175	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_O\Data\PO101725\
Data File : PO114460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:36
Operator : YP/AJ
Sample : Q3369-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-22MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 15:23:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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...	4.356	3.659	108.6E6	77949412	20.003	19.476
2)	SA Decachlor...	9.942	8.664	59670439	47497665	16.388	14.250m
	Target Compounds						
3)	L1 AR-1016-1	5.494	4.740	71983943	67016278	399.118m	397.996
4)	L1 AR-1016-2	5.515	4.761	112.0E6	137.8E6	367.953m	569.224 #
5)	L1 AR-1016-3	5.578	4.934	67490091	55613829	381.619m	447.944m
6)	L1 AR-1016-4	5.672	4.977	67410536	39637183	490.064m	410.640
7)	L1 AR-1016-5	5.964	5.189	52487336	58819862	415.690m	460.050m
31)	L7 AR-1260-1	7.078	6.222	107.3E6	116.5E6	492.562	494.671
32)	L7 AR-1260-2	7.331	6.409	158.5E6	142.5E6	513.799	426.083
33)	L7 AR-1260-3	7.689	6.562	89319139	117.8E6	348.263	399.314
34)	L7 AR-1260-4	7.910	7.034	91637366	77428447	393.429m	347.354
35)	L7 AR-1260-5	8.218	7.275	200.5E6	202.1E6	345.656	329.754

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101725\
Data File : PO114460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:36
Operator : YP/AJ
Sample : Q3369-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

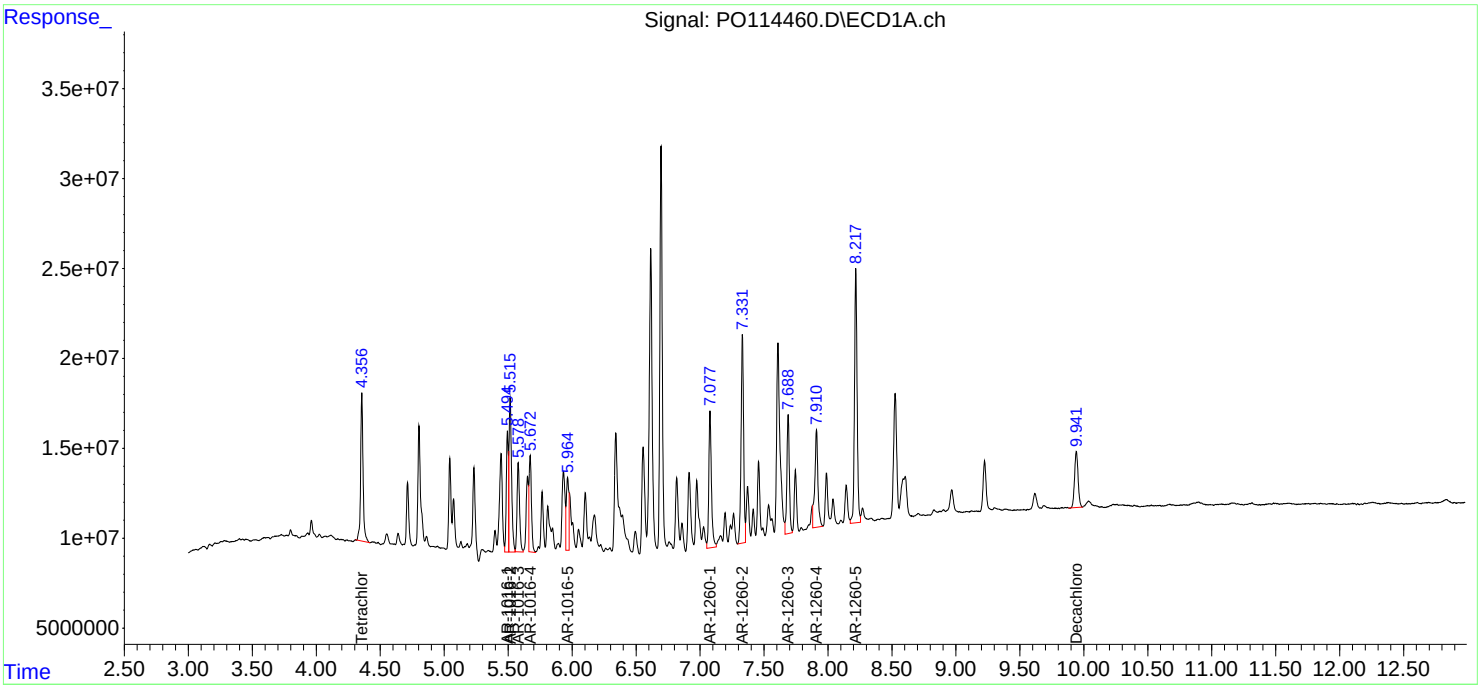
Instrument :
ECD_O
ClientSampleId :
MH-22MSD

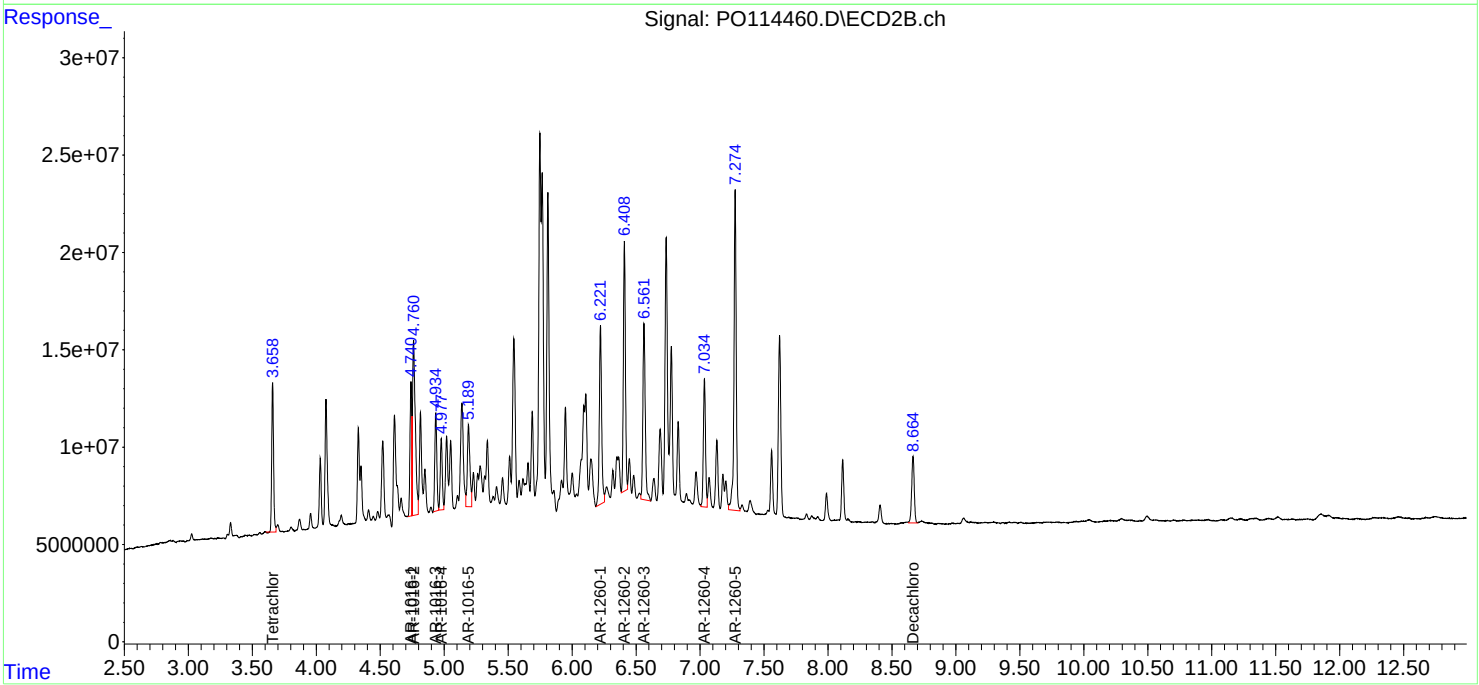
Manual Integrations APPROVED

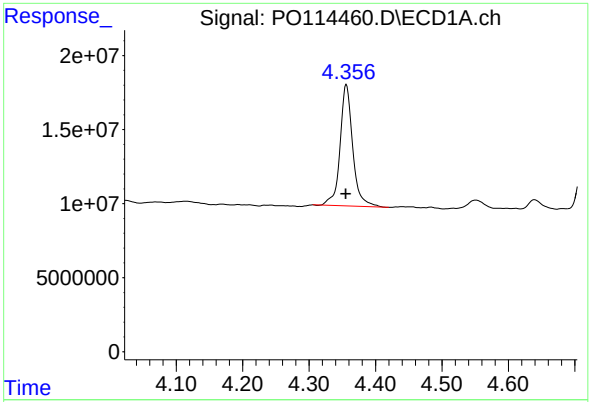
Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 15:23:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 06:46:46 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







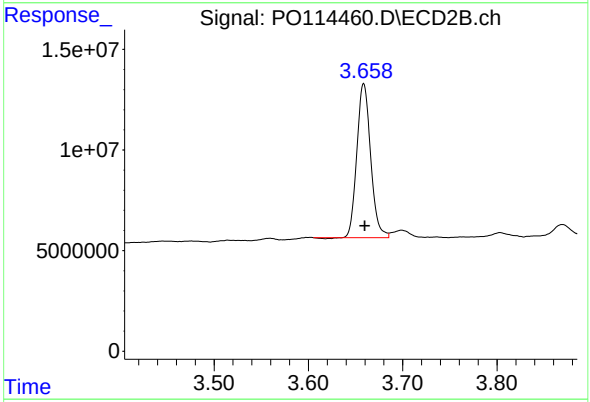
#1 Tetrachloro-m-xylene

R.T.: 4.356 min
Delta R.T.: 0.001 min
Response: 108594735
Conc: 20.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MSD

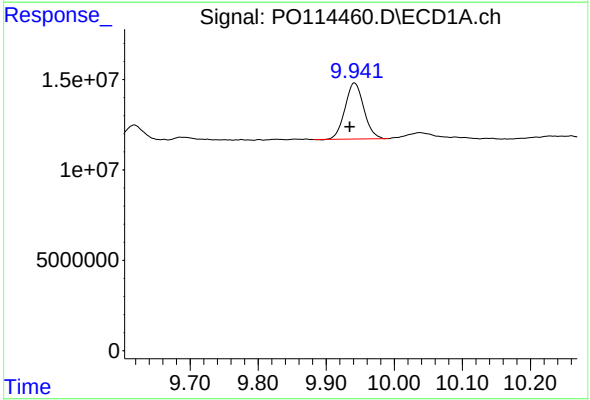
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



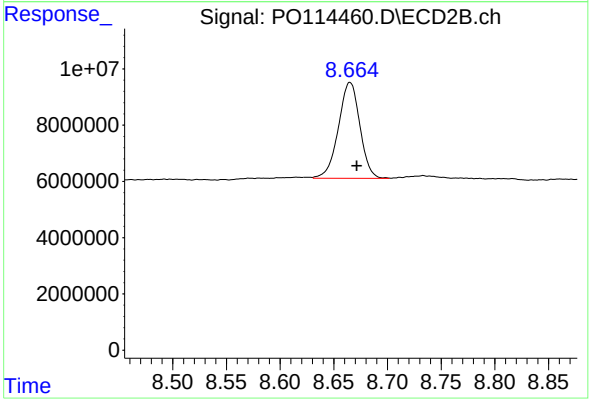
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 77949412
Conc: 19.48 ng/ml



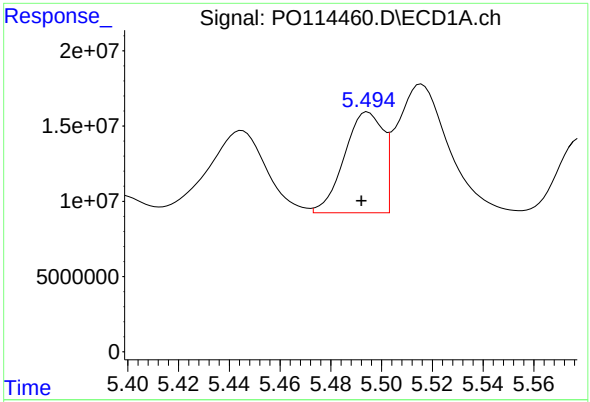
#2 Decachlorobiphenyl

R.T.: 9.942 min
Delta R.T.: 0.007 min
Response: 59670439
Conc: 16.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.664 min
Delta R.T.: -0.007 min
Response: 47497665
Conc: 14.25 ng/ml m



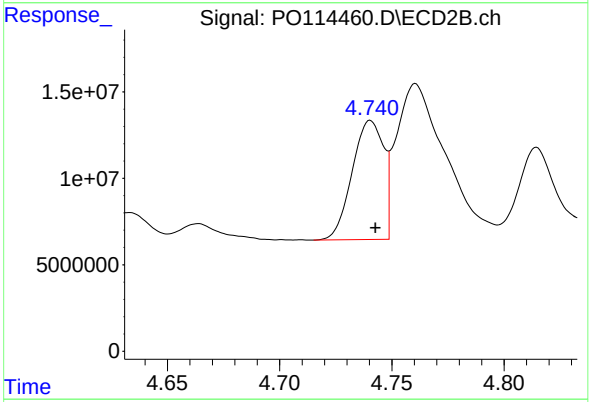
#3 AR-1016-1

R.T.: 5.494 min
Delta R.T.: 0.002 min
Response: 71983943
Conc: 399.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MSD

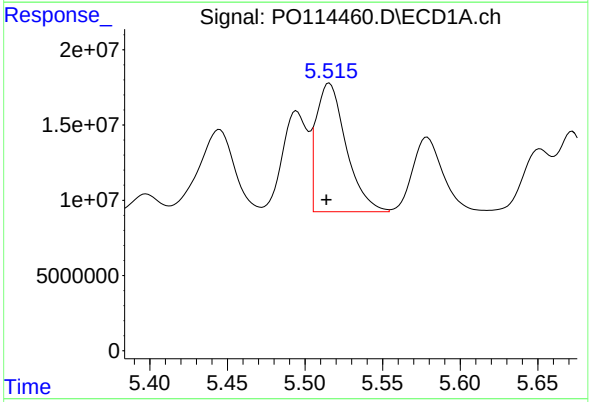
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



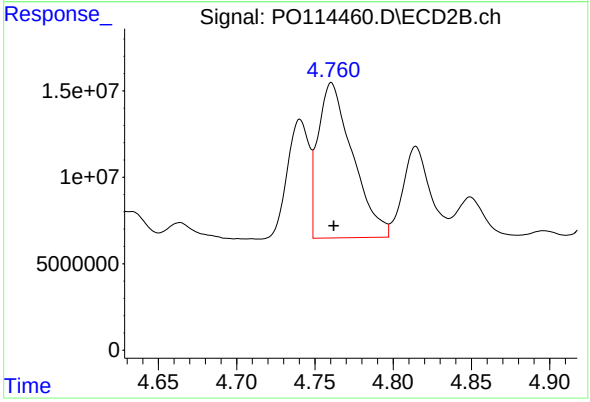
#3 AR-1016-1

R.T.: 4.740 min
Delta R.T.: -0.002 min
Response: 67016278
Conc: 398.00 ng/ml



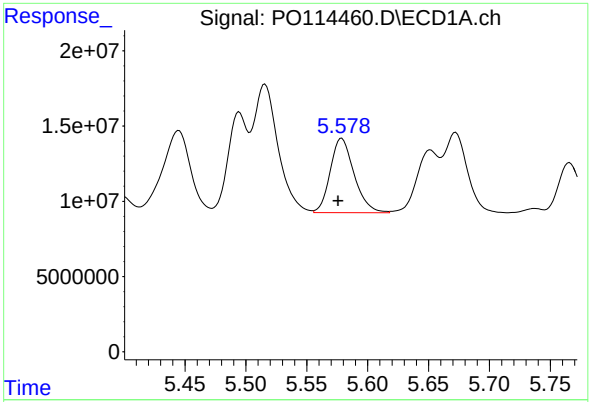
#4 AR-1016-2

R.T.: 5.515 min
Delta R.T.: 0.001 min
Response: 111967089
Conc: 367.95 ng/ml m



#4 AR-1016-2

R.T.: 4.761 min
Delta R.T.: -0.001 min
Response: 137772608
Conc: 569.22 ng/ml



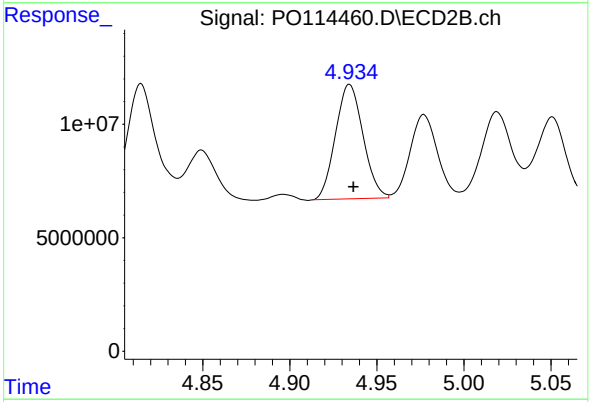
#5 AR-1016-3

R.T.: 5.578 min
Delta R.T.: 0.002 min
Response: 67490091
Conc: 381.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MSD

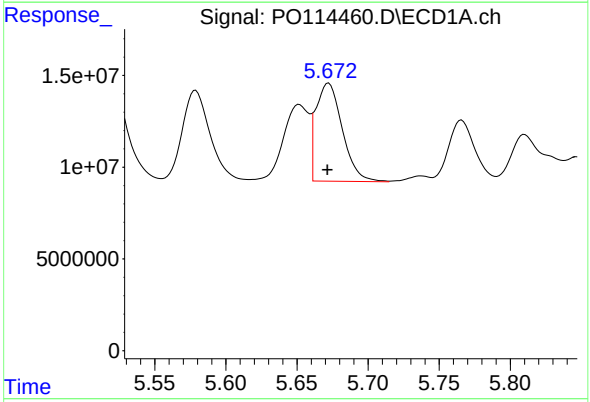
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



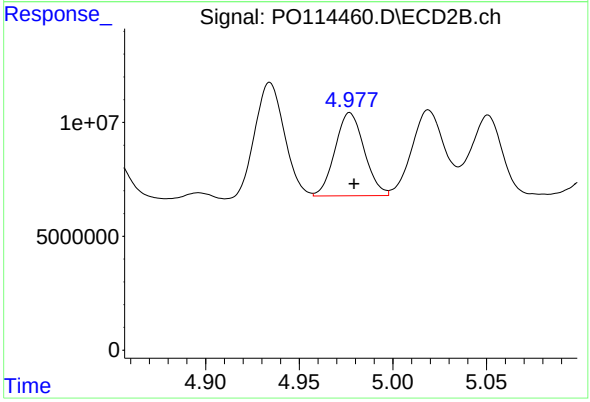
#5 AR-1016-3

R.T.: 4.934 min
Delta R.T.: -0.003 min
Response: 55613829
Conc: 447.94 ng/ml m



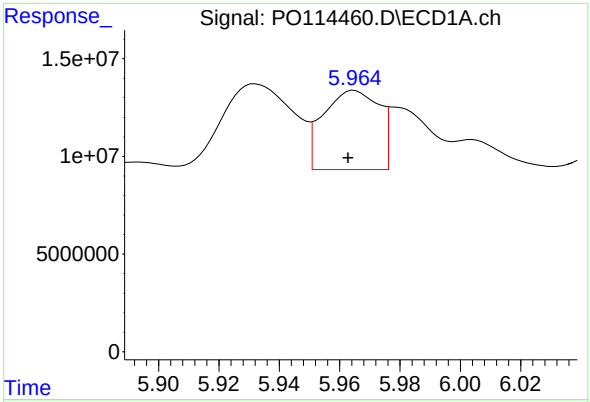
#6 AR-1016-4

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 67410536
Conc: 490.06 ng/ml m



#6 AR-1016-4

R.T.: 4.977 min
Delta R.T.: -0.002 min
Response: 39637183
Conc: 410.64 ng/ml



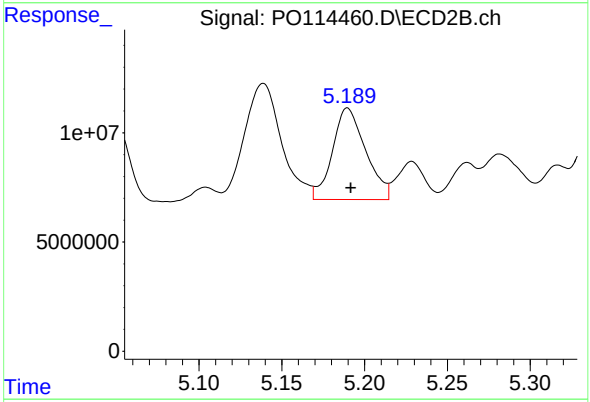
#7 AR-1016-5

R.T.: 5.964 min
Delta R.T.: 0.001 min
Response: 52487336
Conc: 415.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MSD

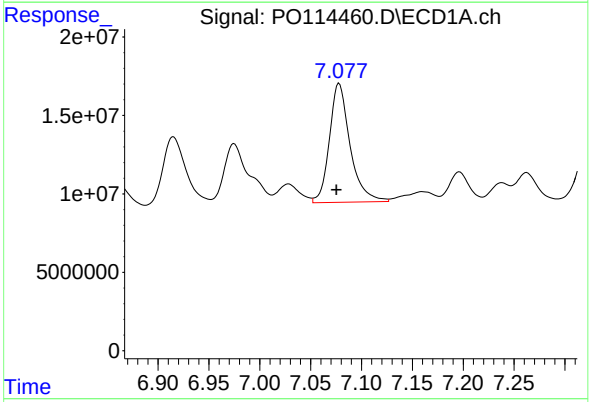
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



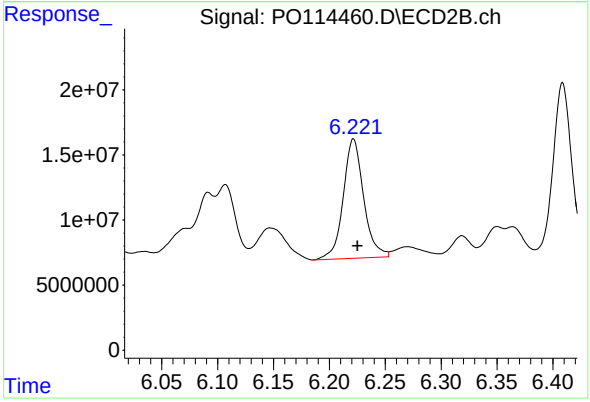
#7 AR-1016-5

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 58819862
Conc: 460.05 ng/ml m



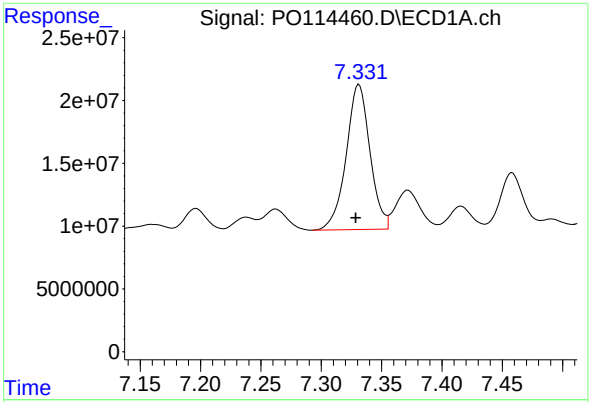
#31 AR-1260-1

R.T.: 7.078 min
Delta R.T.: 0.003 min
Response: 107344571
Conc: 492.56 ng/ml



#31 AR-1260-1

R.T.: 6.222 min
Delta R.T.: -0.004 min
Response: 116486747
Conc: 494.67 ng/ml



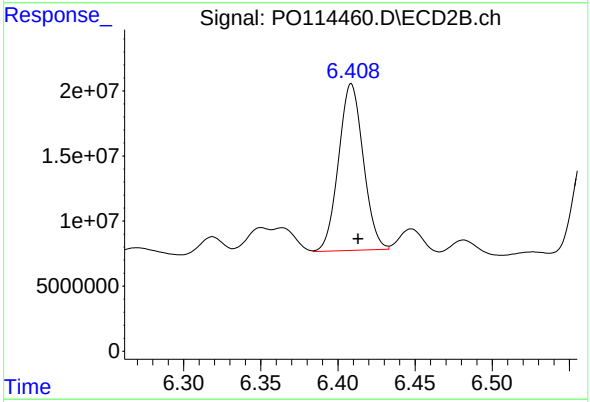
#32 AR-1260-2

R.T.: 7.331 min
Delta R.T.: 0.003 min
Response: 158509237
Conc: 513.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MSD

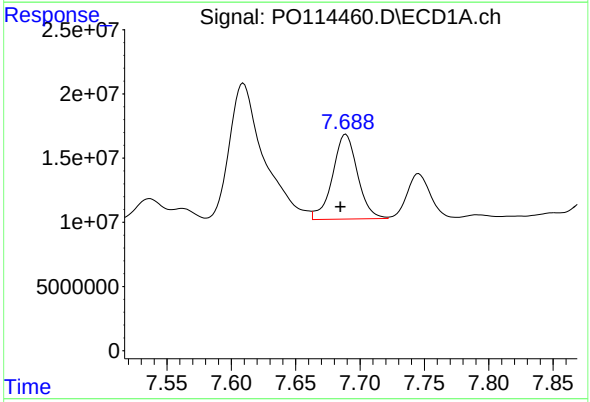
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



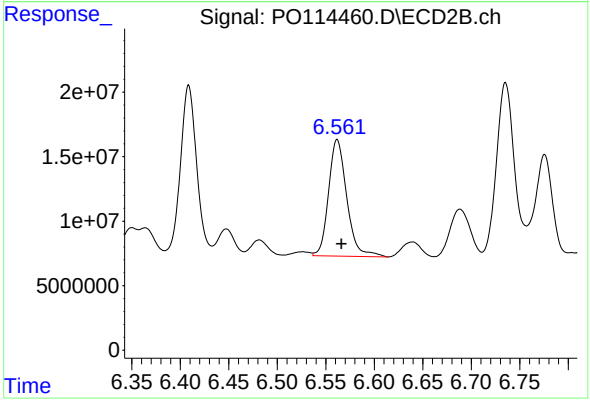
#32 AR-1260-2

R.T.: 6.409 min
Delta R.T.: -0.004 min
Response: 142477285
Conc: 426.08 ng/ml



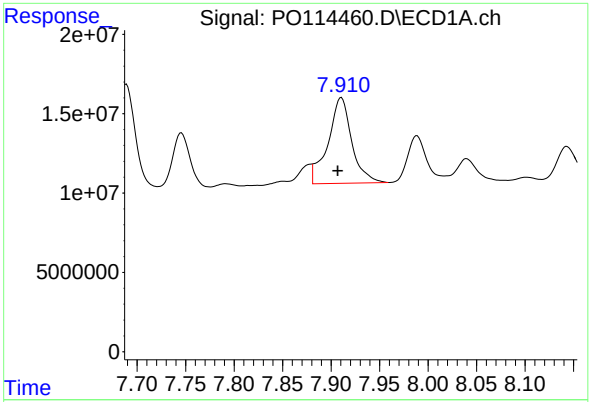
#33 AR-1260-3

R.T.: 7.689 min
Delta R.T.: 0.004 min
Response: 89319139
Conc: 348.26 ng/ml



#33 AR-1260-3

R.T.: 6.562 min
Delta R.T.: -0.004 min
Response: 117774253
Conc: 399.31 ng/ml



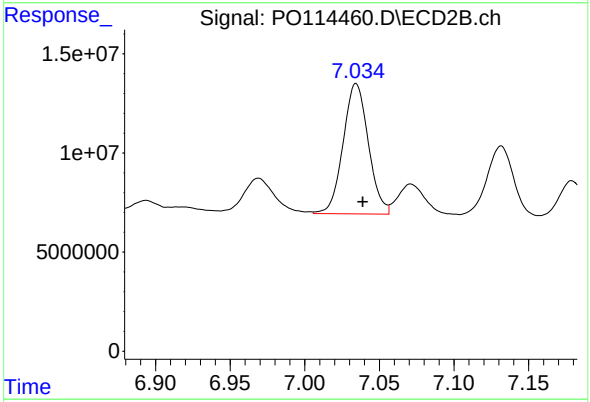
#34 AR-1260-4

R.T.: 7.910 min
Delta R.T.: 0.003 min
Response: 91637366
Conc: 393.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-22MSD

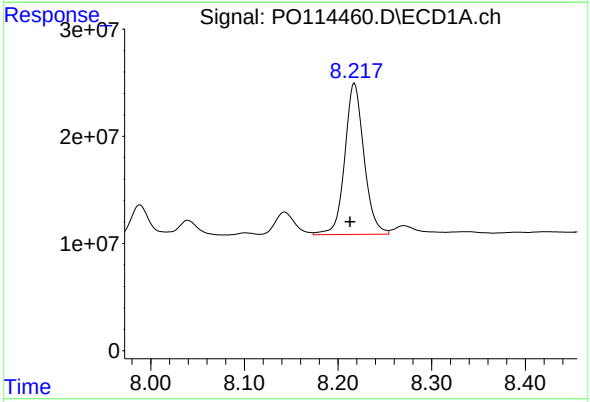
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



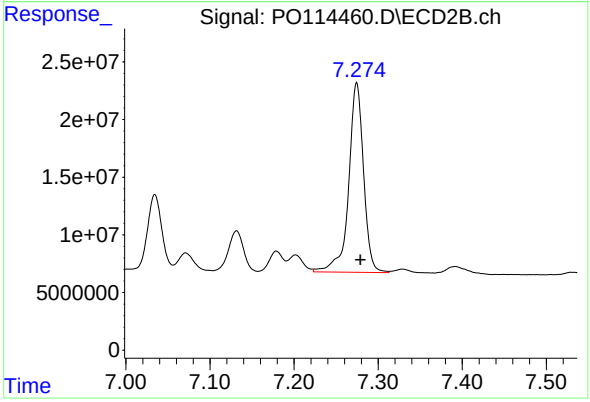
#34 AR-1260-4

R.T.: 7.034 min
Delta R.T.: -0.004 min
Response: 77428447
Conc: 347.35 ng/ml



#35 AR-1260-5

R.T.: 8.218 min
Delta R.T.: 0.005 min
Response: 200535818
Conc: 345.66 ng/ml



#35 AR-1260-5

R.T.: 7.275 min
Delta R.T.: -0.004 min
Response: 202126760
Conc: 329.75 ng/ml

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Manual Integration Report

Sequence:	po100925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO114317.D	AR-1260-2	yogesh	10/10/2025 7:45:12 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1242ICC050	PO114324.D	AR-1242-5	yogesh	10/10/2025 7:45:14 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1248ICC250	PO114328.D	AR-1248-5	yogesh	10/10/2025 7:45:16 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1248ICC050	PO114329.D	AR-1248-1	yogesh	10/10/2025 7:45:17 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1248ICC050	PO114329.D	AR-1248-5	yogesh	10/10/2025 7:45:17 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1268ICC250	PO114339.D	AR-1268-1	yogesh	10/10/2025 7:45:22 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1268ICC050	PO114340.D	AR-1268-4	yogesh	10/10/2025 7:45:21 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO101725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO114448.D	Decachlorobiphenyl #2	yogesh	10/20/2025 8:13:55 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
PB170141BS	PO114454.D	Decachlorobiphenyl #2	yogesh	10/20/2025 8:13:56 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-01	PO114455.D	Decachlorobiphenyl #2	yogesh	10/20/2025 8:13:58 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-01	PO114455.D	Tetrachloro-m-xylene	yogesh	10/20/2025 8:13:58 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	AR-1242-5	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	AR-1242-5 #2	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	AR-1254-1 #2	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	AR-1254-2 #2	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	AR-1254-3 #2	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	AR-1254-4 #2	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	AR-1254-5	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3363-03	PO114457.D	Tetrachloro-m-xylene	yogesh	10/21/2025 8:06:48 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MS	PO114459.D	AR-1016-1	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO101725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3369-01MS	PO114459.D	AR-1016-2	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MS	PO114459.D	AR-1016-3	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MS	PO114459.D	AR-1016-4	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MS	PO114459.D	AR-1016-5	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MS	PO114459.D	AR-1016-5 #2	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MS	PO114459.D	AR-1260-4	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MS	PO114459.D	Decachlorobiphenyl #2	yogesh	10/21/2025 8:06:50 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	AR-1016-1	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	AR-1016-2	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	AR-1016-3	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	AR-1016-3 #2	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	AR-1016-4	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	AR-1016-5	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO101725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3369-01MSD	PO114460.D	AR-1016-5 #2	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	AR-1260-4	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
Q3369-01MSD	PO114460.D	Decachlorobiphenyl #2	yogesh	10/21/2025 8:06:53 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software
AR1660CCC500	PO114461.D	Decachlorobiphenyl #2	yogesh	10/20/2025 8:14:07 AM	mohammad	10/24/2025 1:08:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp092325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP075250.D	AR-1260-4	yogesh	9/24/2025 8:09:44 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1016-3	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1016-5	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-1	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-3 #2	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-4	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-5 #2	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	Decachlorobiphenyl	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC1000	PP075254.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:49 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC750	PP075255.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:51 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC500	PP075256.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:53 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC250	PP075257.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:55 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC050	PP075258.D	AR-1242-5	yogesh	9/24/2025 8:09:57 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp092325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP075258.D	Tetrachloro-m-xylene	yogesh	9/24/2025 8:09:57 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC1000	PP075259.D	AR-1248-3 #2	yogesh	9/24/2025 8:09:59 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC750	PP075260.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:01 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC500	PP075261.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:03 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC250	PP075262.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:05 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC050	PP075263.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:06 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC050	PP075263.D	AR-1248-5	yogesh	9/24/2025 8:10:06 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC050	PP075263.D	Tetrachloro-m-xylene	yogesh	9/24/2025 8:10:06 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC1000	PP075264.D	AR-1254-1	yogesh	9/24/2025 8:10:09 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC750	PP075265.D	AR-1254-1	yogesh	9/24/2025 8:10:11 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC500	PP075266.D	AR-1254-1	yogesh	9/24/2025 8:10:12 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC250	PP075267.D	AR-1254-1	yogesh	9/24/2025 8:10:15 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC050	PP075268.D	AR-1254-1	yogesh	9/24/2025 8:10:16 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp092325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC050	PP075274.D	AR-1268-1	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	AR-1268-3 #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	AR-1268-4 #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	AR-1268-5 #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	Tetrachloro-m-xylene #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
PP092325ICV500	PP075275.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:21 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICV500	PP075276.D	AR-1242-4 #2	yogesh	9/24/2025 8:10:24 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICV500	PP075276.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:24 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICV500	PP075277.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:26 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICV500	PP075278.D	AR-1254-1	yogesh	9/24/2025 8:10:28 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICV500	PP075278.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:28 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICV500	PP075279.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:30 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp092325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	PP101725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC50 0	PP075836.D	AR-1242-4 #2	yogesh	10/20/2025 7:55:45 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1248CCC50 0	PP075837.D	AR-1248-3 #2	yogesh	10/20/2025 7:55:47 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1254CCC50 0	PP075838.D	AR-1254-1	yogesh	10/20/2025 7:55:49 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1660CCC50 0	PP075850.D	AR-1016-2 #2	yogesh	10/20/2025 7:55:54 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1242CCC50 0	PP075851.D	AR-1242-4 #2	yogesh	10/20/2025 7:55:59 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1248CCC50 0	PP075852.D	AR-1248-3 #2	yogesh	10/20/2025 7:55:57 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1254CCC50 0	PP075853.D	AR-1254-1	yogesh	10/20/2025 7:56:01 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
Q3363-02	PP075861.D	Tetrachloro-m-xylene #2	yogesh	10/20/2025 7:56:30 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1660CCC50 0	PP075862.D	AR-1016-2 #2	yogesh	10/20/2025 7:56:08 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1242CCC50 0	PP075863.D	AR-1242-1	yogesh	10/20/2025 7:56:09 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1242CCC50 0	PP075863.D	AR-1242-4 #2	yogesh	10/20/2025 7:56:09 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1248CCC50 0	PP075864.D	AR-1248-3 #2	yogesh	10/20/2025 7:56:13 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software
AR1254CCC50 0	PP075865.D	AR-1254-1	yogesh	10/20/2025 7:56:15 AM	mohammad	10/24/2025 1:00:31	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP101725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	
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	PO114311.D	09 Oct 2025 13:37	YP/AJ	Ok
2	I.BLK	PO114312.D	09 Oct 2025 13:55	YP/AJ	Ok
3	AR1660ICC1000	PO114313.D	09 Oct 2025 14:14	YP/AJ	Ok
4	AR1660ICC750	PO114314.D	09 Oct 2025 14:32	YP/AJ	Ok
5	AR1660ICC500	PO114315.D	09 Oct 2025 14:50	YP/AJ	Ok
6	AR1660ICC250	PO114316.D	09 Oct 2025 15:09	YP/AJ	Ok
7	AR1660ICC050	PO114317.D	09 Oct 2025 15:27	YP/AJ	Ok,M
8	AR1221ICC500	PO114318.D	09 Oct 2025 15:45	YP/AJ	Ok
9	AR1232ICC500	PO114319.D	09 Oct 2025 16:04	YP/AJ	Ok
10	AR1242ICC1000	PO114320.D	09 Oct 2025 16:22	YP/AJ	Ok
11	AR1242ICC750	PO114321.D	09 Oct 2025 16:40	YP/AJ	Ok
12	AR1242ICC500	PO114322.D	09 Oct 2025 16:59	YP/AJ	Ok
13	AR1242ICC250	PO114323.D	09 Oct 2025 17:17	YP/AJ	Ok
14	AR1242ICC050	PO114324.D	09 Oct 2025 17:35	YP/AJ	Ok,M
15	AR1248ICC1000	PO114325.D	09 Oct 2025 17:54	YP/AJ	Ok
16	AR1248ICC750	PO114326.D	09 Oct 2025 18:12	YP/AJ	Ok
17	AR1248ICC500	PO114327.D	09 Oct 2025 18:30	YP/AJ	Ok
18	AR1248ICC250	PO114328.D	09 Oct 2025 18:49	YP/AJ	Ok,M
19	AR1248ICC050	PO114329.D	09 Oct 2025 19:07	YP/AJ	Ok,M
20	AR1254ICC1000	PO114330.D	09 Oct 2025 19:26	YP/AJ	Ok
21	AR1254ICC750	PO114331.D	09 Oct 2025 19:44	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	
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	PO114332.D	09 Oct 2025 20:02	YP/AJ	Ok
23	AR1254ICC250	PO114333.D	09 Oct 2025 20:21	YP/AJ	Ok
24	AR1254ICC050	PO114334.D	09 Oct 2025 20:39	YP/AJ	Ok
25	AR1262ICC500	PO114335.D	09 Oct 2025 20:57	YP/AJ	Ok
26	AR1268ICC1000	PO114336.D	09 Oct 2025 21:16	YP/AJ	Ok
27	AR1268ICC750	PO114337.D	09 Oct 2025 21:34	YP/AJ	Ok
28	AR1268ICC500	PO114338.D	09 Oct 2025 21:52	YP/AJ	Ok
29	AR1268ICC250	PO114339.D	09 Oct 2025 22:11	YP/AJ	Ok,M
30	AR1268ICC050	PO114340.D	09 Oct 2025 22:29	YP/AJ	Ok,M
31	PO100925ICV500	PO114341.D	09 Oct 2025 22:47	YP/AJ	Ok
32	AR1242ICV500	PO114342.D	09 Oct 2025 23:24	YP/AJ	Ok
33	AR1248ICV500	PO114343.D	10 Oct 2025 00:01	YP/AJ	Ok
34	AR1254ICV500	PO114344.D	10 Oct 2025 00:38	YP/AJ	Ok
35	AR1268ICV500	PO114345.D	10 Oct 2025 01:14	YP/AJ	Ok
36	DDT ANALOG	PO114346.D	10 Oct 2025 01:51	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101725

Review By	yogesh	Review On	10/17/2025 1:01:32 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:09:00 AM		
SubDirectory	PO101725	HP Acquire Method		HP Processing Method	PO100925

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	PO114447.D	17 Oct 2025 09:35	YP/AJ	Ok
2	AR1660CCC500	PO114448.D	17 Oct 2025 09:54	YP/AJ	Ok,M
3	AR1242CCC500	PO114449.D	17 Oct 2025 10:12	YP/AJ	Ok
4	AR1248CCC500	PO114450.D	17 Oct 2025 10:31	YP/AJ	Ok
5	AR1254CCC500	PO114451.D	17 Oct 2025 10:49	YP/AJ	Ok
6	I.BLK	PO114452.D	17 Oct 2025 11:07	YP/AJ	Ok
7	PB170141BL	PO114453.D	17 Oct 2025 12:29	YP/AJ	Ok
8	PB170141BS	PO114454.D	17 Oct 2025 12:47	YP/AJ	Ok,M
9	Q3363-01	PO114455.D	17 Oct 2025 13:04	YP/AJ	Ok,M
10	Q3363-02	PO114456.D	17 Oct 2025 13:23	YP/AJ	Not Ok
11	Q3363-03	PO114457.D	17 Oct 2025 13:41	YP/AJ	Ok,M
12	Q3369-01	PO114458.D	17 Oct 2025 14:00	YP/AJ	Ok
13	Q3369-01MS	PO114459.D	17 Oct 2025 14:18	YP/AJ	Ok,M
14	Q3369-01MSD	PO114460.D	17 Oct 2025 14:36	YP/AJ	Ok,M
15	AR1660CCC500	PO114461.D	17 Oct 2025 15:50	YP/AJ	Ok,M
16	AR1242CCC500	PO114462.D	17 Oct 2025 16:08	YP/AJ	Ok
17	AR1248CCC500	PO114463.D	17 Oct 2025 16:27	YP/AJ	Ok
18	AR1254CCC500	PO114464.D	17 Oct 2025 16:45	YP/AJ	Ok
19	I.BLK	PO114465.D	17 Oct 2025 17:04	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM		
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM		
SubDirectory	PP092325	HP Acquire Method		HP Processing Method	PP092325

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	
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	PP075245.D	23 Sep 2025 08:13	YP\AJ	Ok
2	I.BLK	PP075246.D	23 Sep 2025 08:29	YP\AJ	Ok
3	AR1660ICC1000	PP075247.D	23 Sep 2025 08:45	YP\AJ	Ok
4	AR1660ICC750	PP075248.D	23 Sep 2025 09:01	YP\AJ	Ok
5	AR1660ICC500	PP075249.D	23 Sep 2025 09:18	YP\AJ	Ok
6	AR1660ICC250	PP075250.D	23 Sep 2025 09:34	YP\AJ	Ok,M
7	AR1660ICC050	PP075251.D	23 Sep 2025 10:11	YP\AJ	Ok,M
8	AR1221ICC500	PP075252.D	23 Sep 2025 10:27	YP\AJ	Ok
9	AR1232ICC500	PP075253.D	23 Sep 2025 10:43	YP\AJ	Ok
10	AR1242ICC1000	PP075254.D	23 Sep 2025 11:00	YP\AJ	Ok,M
11	AR1242ICC750	PP075255.D	23 Sep 2025 11:16	YP\AJ	Ok,M
12	AR1242ICC500	PP075256.D	23 Sep 2025 11:32	YP\AJ	Ok,M
13	AR1242ICC250	PP075257.D	23 Sep 2025 11:48	YP\AJ	Ok,M
14	AR1242ICC050	PP075258.D	23 Sep 2025 12:05	YP\AJ	Ok,M
15	AR1248ICC1000	PP075259.D	23 Sep 2025 12:37	YP\AJ	Ok,M
16	AR1248ICC750	PP075260.D	23 Sep 2025 12:53	YP\AJ	Ok,M
17	AR1248ICC500	PP075261.D	23 Sep 2025 13:10	YP\AJ	Ok,M
18	AR1248ICC250	PP075262.D	23 Sep 2025 13:26	YP\AJ	Ok,M
19	AR1248ICC050	PP075263.D	23 Sep 2025 13:42	YP\AJ	Ok,M
20	AR1254ICC1000	PP075264.D	23 Sep 2025 14:15	YP\AJ	Ok,M
21	AR1254ICC750	PP075265.D	23 Sep 2025 14:31	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM		
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM		
SubDirectory	PP092325	HP Acquire Method		HP Processing Method	PP092325

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	
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	PP075266.D	23 Sep 2025 14:47	YP\AJ	Ok,M
23	AR1254ICC250	PP075267.D	23 Sep 2025 15:04	YP\AJ	Ok,M
24	AR1254ICC050	PP075268.D	23 Sep 2025 15:20	YP\AJ	Ok,M
25	AR1262ICC500	PP075269.D	23 Sep 2025 15:52	YP\AJ	Ok
26	AR1268ICC1000	PP075270.D	23 Sep 2025 16:09	YP\AJ	Ok
27	AR1268ICC750	PP075271.D	23 Sep 2025 16:25	YP\AJ	Ok
28	AR1268ICC500	PP075272.D	23 Sep 2025 16:41	YP\AJ	Ok
29	AR1268ICC250	PP075273.D	23 Sep 2025 16:58	YP\AJ	Ok
30	AR1268ICC050	PP075274.D	23 Sep 2025 17:14	YP\AJ	Ok,M
31	PP092325ICV500	PP075275.D	23 Sep 2025 17:46	YP\AJ	Ok,M
32	AR1242ICV500	PP075276.D	23 Sep 2025 18:35	YP\AJ	Ok,M
33	AR1248ICV500	PP075277.D	23 Sep 2025 19:08	YP\AJ	Ok,M
34	AR1254ICV500	PP075278.D	23 Sep 2025 19:40	YP\AJ	Ok,M
35	AR1268ICV500	PP075279.D	23 Sep 2025 19:57	YP\AJ	Ok,M
36	DDT ANALOG	PP075280.D	23 Sep 2025 20:29	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP101725

Review By	yogesh	Review On	10/17/2025 1:00:36 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:00:31 AM		
SubDirectory	PP101725	HP Acquire Method		HP Processing Method	PP092325

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	PP075834.D	17 Oct 2025 09:31	YP\AJ	Ok
2	AR1660CCC500	PP075835.D	17 Oct 2025 09:48	YP\AJ	Ok
3	AR1242CCC500	PP075836.D	17 Oct 2025 10:07	YP\AJ	Ok,M
4	AR1248CCC500	PP075837.D	17 Oct 2025 10:23	YP\AJ	Ok,M
5	AR1254CCC500	PP075838.D	17 Oct 2025 10:39	YP\AJ	Ok,M
6	I.BLK	PP075839.D	17 Oct 2025 10:55	YP\AJ	Ok
7	Q3363-04	PP075840.D	17 Oct 2025 12:26	YP\AJ	Ok
8	Q3363-05	PP075841.D	17 Oct 2025 12:42	YP\AJ	Ok
9	Q3366-01	PP075842.D	17 Oct 2025 12:58	YP\AJ	Ok
10	Q3366-03	PP075843.D	17 Oct 2025 13:14	YP\AJ	Ok
11	Q3367-01	PP075844.D	17 Oct 2025 13:31	YP\AJ	Ok
12	Q3369-05	PP075845.D	17 Oct 2025 13:47	YP\AJ	Ok
13	Q3307-02	PP075846.D	17 Oct 2025 14:03	YP\AJ	Ok
14	Q3307-02MS	PP075847.D	17 Oct 2025 14:19	YP\AJ	Ok,M
15	Q3307-02MSD	PP075848.D	17 Oct 2025 14:35	YP\AJ	Ok,M
16	Q3307-04	PP075849.D	17 Oct 2025 14:52	YP\AJ	Not Ok
17	AR1660CCC500	PP075850.D	17 Oct 2025 16:18	YP\AJ	Ok,M
18	AR1242CCC500	PP075851.D	17 Oct 2025 16:51	YP\AJ	Ok,M
19	AR1248CCC500	PP075852.D	17 Oct 2025 17:07	YP\AJ	Ok,M
20	AR1254CCC500	PP075853.D	17 Oct 2025 17:23	YP\AJ	Ok,M
21	I.BLK	PP075854.D	17 Oct 2025 17:39	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP101725

Review By	yogesh	Review On	10/17/2025 1:00:36 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:00:31 AM		
SubDirectory	PP101725	HP Acquire Method		HP Processing Method	PP092325

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	PB170146BL	PP075855.D	17 Oct 2025 17:56	YP\AJ	Ok
23	PB170141BL	PP075856.D	17 Oct 2025 18:12	YP\AJ	Not Ok
24	PB170146BS	PP075857.D	17 Oct 2025 18:28	YP\AJ	Ok,M
25	Q3307-17	PP075858.D	17 Oct 2025 18:44	YP\AJ	Ok,M
26	Q3307-06	PP075859.D	17 Oct 2025 19:01	YP\AJ	Dilution
27	Q3307-09	PP075860.D	17 Oct 2025 19:17	YP\AJ	Ok
28	Q3363-02	PP075861.D	17 Oct 2025 19:33	YP\AJ	Ok,M
29	AR1660CCC500	PP075862.D	17 Oct 2025 20:38	YP\AJ	Ok,M
30	AR1242CCC500	PP075863.D	17 Oct 2025 21:27	YP\AJ	Ok,M
31	AR1248CCC500	PP075864.D	17 Oct 2025 21:43	YP\AJ	Ok,M
32	AR1254CCC500	PP075865.D	17 Oct 2025 22:00	YP\AJ	Ok,M
33	I.BLK	PP075866.D	17 Oct 2025 22:16	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	
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	PO114311.D	09 Oct 2025 13:37		YP/AJ	Ok
2	I.BLK	I.BLK	PO114312.D	09 Oct 2025 13:55		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO114313.D	09 Oct 2025 14:14		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO114314.D	09 Oct 2025 14:32		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO114315.D	09 Oct 2025 14:50		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO114316.D	09 Oct 2025 15:09		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO114317.D	09 Oct 2025 15:27		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO114318.D	09 Oct 2025 15:45		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO114319.D	09 Oct 2025 16:04		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO114320.D	09 Oct 2025 16:22		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO114321.D	09 Oct 2025 16:40		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO114322.D	09 Oct 2025 16:59		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO114323.D	09 Oct 2025 17:17		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO114324.D	09 Oct 2025 17:35		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO114325.D	09 Oct 2025 17:54		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO114326.D	09 Oct 2025 18:12		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO114327.D	09 Oct 2025 18:30		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO114328.D	09 Oct 2025 18:49		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	
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	PO114329.D	09 Oct 2025 19:07		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO114330.D	09 Oct 2025 19:26		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO114331.D	09 Oct 2025 19:44		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO114332.D	09 Oct 2025 20:02		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO114333.D	09 Oct 2025 20:21		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO114334.D	09 Oct 2025 20:39		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO114335.D	09 Oct 2025 20:57		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO114336.D	09 Oct 2025 21:16		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO114337.D	09 Oct 2025 21:34		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO114338.D	09 Oct 2025 21:52		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO114339.D	09 Oct 2025 22:11		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO114340.D	09 Oct 2025 22:29		YP/AJ	Ok,M
31	PO100925ICV500	ICVPO100925	PO114341.D	09 Oct 2025 22:47		YP/AJ	Ok
32	AR1242ICV500	ICVPO100925AR1242	PO114342.D	09 Oct 2025 23:24		YP/AJ	Ok
33	AR1248ICV500	ICVPO100925AR1248	PO114343.D	10 Oct 2025 00:01		YP/AJ	Ok
34	AR1254ICV500	ICVPO100925AR1254	PO114344.D	10 Oct 2025 00:38		YP/AJ	Ok
35	AR1268ICV500	ICVPO100925AR1268	PO114345.D	10 Oct 2025 01:14		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO114346.D	10 Oct 2025 01:51		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101725

Review By	yogesh	Review On	10/17/2025 1:01:32 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:09:00 AM		
SubDirectory	PO101725	HP Acquire Method		HP Processing Method	PO100925

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	PO114447.D	17 Oct 2025 09:35		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO114448.D	17 Oct 2025 09:54		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO114449.D	17 Oct 2025 10:12		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO114450.D	17 Oct 2025 10:31		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO114451.D	17 Oct 2025 10:49		YP/AJ	Ok
6	I.BLK	I.BLK	PO114452.D	17 Oct 2025 11:07		YP/AJ	Ok
7	PB170141BL	PB170141BL	PO114453.D	17 Oct 2025 12:29		YP/AJ	Ok
8	PB170141BS	PB170141BS	PO114454.D	17 Oct 2025 12:47		YP/AJ	Ok,M
9	Q3363-01	PR132-SO1-085011-20	PO114455.D	17 Oct 2025 13:04		YP/AJ	Ok,M
10	Q3363-02	PR132-SO1-039085-20	PO114456.D	17 Oct 2025 13:23	AR1242+AR1254 Hit and Need Cleanup	YP/AJ	Not Ok
11	Q3363-03	PR132-SO3-028010-20	PO114457.D	17 Oct 2025 13:41	AR1242 + AR1254 Hit,	YP/AJ	Ok,M
12	Q3369-01	MH-22	PO114458.D	17 Oct 2025 14:00		YP/AJ	Ok
13	Q3369-01MS	MH-22MS	PO114459.D	17 Oct 2025 14:18		YP/AJ	Ok,M
14	Q3369-01MSD	MH-22MSD	PO114460.D	17 Oct 2025 14:36		YP/AJ	Ok,M
15	AR1660CCC500	AR1660CCC500	PO114461.D	17 Oct 2025 15:50		YP/AJ	Ok,M
16	AR1242CCC500	AR1242CCC500	PO114462.D	17 Oct 2025 16:08		YP/AJ	Ok
17	AR1248CCC500	AR1248CCC500	PO114463.D	17 Oct 2025 16:27		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101725

Review By	yogesh	Review On	10/17/2025 1:01:32 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:09:00 AM		
SubDirectory	PO101725	HP Acquire Method		HP Processing Method	PO100925

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	

18	AR1254CCC500	AR1254CCC500	PO114464.D	17 Oct 2025 16:45		YP/AJ	Ok
19	I.BLK	I.BLK	PO114465.D	17 Oct 2025 17:04		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM		
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM		
SubDirectory	PP092325	HP Acquire Method		HP Processing Method	PP092325

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	
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	PP075245.D	23 Sep 2025 08:13		YP\AJ	Ok
2	I.BLK	I.BLK	PP075246.D	23 Sep 2025 08:29		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP075247.D	23 Sep 2025 08:45		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP075248.D	23 Sep 2025 09:01		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP075249.D	23 Sep 2025 09:18		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP075250.D	23 Sep 2025 09:34		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP075251.D	23 Sep 2025 10:11		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP075252.D	23 Sep 2025 10:27		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP075253.D	23 Sep 2025 10:43		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP075254.D	23 Sep 2025 11:00		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP075255.D	23 Sep 2025 11:16		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP075256.D	23 Sep 2025 11:32		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP075257.D	23 Sep 2025 11:48		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP075258.D	23 Sep 2025 12:05		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP075259.D	23 Sep 2025 12:37		YP\AJ	Ok,M
16	AR1248ICC750	AR1248ICC750	PP075260.D	23 Sep 2025 12:53		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PP075261.D	23 Sep 2025 13:10		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP075262.D	23 Sep 2025 13:26		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM		
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM		
SubDirectory	PP092325	HP Acquire Method		HP Processing Method	PP092325

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	
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	PP075263.D	23 Sep 2025 13:42		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP075264.D	23 Sep 2025 14:15		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP075265.D	23 Sep 2025 14:31		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP075266.D	23 Sep 2025 14:47		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP075267.D	23 Sep 2025 15:04		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP075268.D	23 Sep 2025 15:20		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP075269.D	23 Sep 2025 15:52		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP075270.D	23 Sep 2025 16:09		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP075271.D	23 Sep 2025 16:25		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP075272.D	23 Sep 2025 16:41		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP075273.D	23 Sep 2025 16:58		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP075274.D	23 Sep 2025 17:14		YP\AJ	Ok,M
31	PP092325ICV500	ICVPP092325	PP075275.D	23 Sep 2025 17:46		YP\AJ	Ok,M
32	AR1242ICV500	ICVPP092325AR1242	PP075276.D	23 Sep 2025 18:35		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP092325AR1248	PP075277.D	23 Sep 2025 19:08		YP\AJ	Ok,M
34	AR1254ICV500	ICVPP092325AR1254	PP075278.D	23 Sep 2025 19:40		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP092325AR1268	PP075279.D	23 Sep 2025 19:57		YP\AJ	Ok,M
36	DDT ANALOG	DDT ANALOG	PP075280.D	23 Sep 2025 20:29		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP101725

Review By	yogesh	Review On	10/17/2025 1:00:36 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:00:31 AM		
SubDirectory	PP101725	HP Acquire Method		HP Processing Method	PP092325

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	PP075834.D	17 Oct 2025 09:31		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP075835.D	17 Oct 2025 09:48	AR1016(4) HIGH in 1st collumn	YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP075836.D	17 Oct 2025 10:07		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP075837.D	17 Oct 2025 10:23		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP075838.D	17 Oct 2025 10:39		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP075839.D	17 Oct 2025 10:55		YP\AJ	Ok
7	Q3363-04	PR132-SO3-010013-20	PP075840.D	17 Oct 2025 12:26		YP\AJ	Ok
8	Q3363-05	COMP01-20251015	PP075841.D	17 Oct 2025 12:42		YP\AJ	Ok
9	Q3366-01	TR-06-101625	PP075842.D	17 Oct 2025 12:58		YP\AJ	Ok
10	Q3366-03	TR-1-101625	PP075843.D	17 Oct 2025 13:14	TCMX High in 2nd column	YP\AJ	Ok
11	Q3367-01	BU-03-101625	PP075844.D	17 Oct 2025 13:31		YP\AJ	Ok
12	Q3369-05	MH-21	PP075845.D	17 Oct 2025 13:47		YP\AJ	Ok
13	Q3307-02	S-39(9.5-10.0)	PP075846.D	17 Oct 2025 14:03		YP\AJ	Ok
14	Q3307-02MS	S-39(9.5-10.0)MS	PP075847.D	17 Oct 2025 14:19		YP\AJ	Ok,M
15	Q3307-02MSD	S-39(9.5-10.0)MSD	PP075848.D	17 Oct 2025 14:35		YP\AJ	Ok,M
16	Q3307-04	S-37(7.0-7.5)	PP075849.D	17 Oct 2025 14:52	AR1262 Hit, Need 10X, Need to ICAL+CCC	YP\AJ	Not Ok
17	AR1660CCC500	AR1660CCC500	PP075850.D	17 Oct 2025 16:18		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP101725

Review By	yogesh	Review On	10/17/2025 1:00:36 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:00:31 AM		
SubDirectory	PP101725	HP Acquire Method		HP Processing Method	PP092325

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	

18	AR1242CCC500	AR1242CCC500	PP075851.D	17 Oct 2025 16:51		YP\AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PP075852.D	17 Oct 2025 17:07		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP075853.D	17 Oct 2025 17:23		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP075854.D	17 Oct 2025 17:39		YP\AJ	Ok
22	PB170146BL	PB170146BL	PP075855.D	17 Oct 2025 17:56		YP\AJ	Ok
23	PB170141BL	PB170141BL	PP075856.D	17 Oct 2025 18:12		YP\AJ	Not Ok
24	PB170146BS	PB170146BS	PP075857.D	17 Oct 2025 18:28		YP\AJ	Ok,M
25	Q3307-17	S-35(7.0-7.5)	PP075858.D	17 Oct 2025 18:44		YP\AJ	Ok,M
26	Q3307-06	S-38(0-0.5)	PP075859.D	17 Oct 2025 19:01	DCB high in 2nd column , need 50x dilution , AR1260+1254 Hit	YP\AJ	Dilution
27	Q3307-09	S-36(0-0.5)	PP075860.D	17 Oct 2025 19:17	AR1260+1254 Hit	YP\AJ	Ok
28	Q3363-02	PR132-SO1-039085-20	PP075861.D	17 Oct 2025 19:33	AR1242+AR1254 Hit TCMX low in 2nd column	YP\AJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PP075862.D	17 Oct 2025 20:38		YP\AJ	Ok,M
30	AR1242CCC500	AR1242CCC500	PP075863.D	17 Oct 2025 21:27		YP\AJ	Ok,M
31	AR1248CCC500	AR1248CCC500	PP075864.D	17 Oct 2025 21:43		YP\AJ	Ok,M
32	AR1254CCC500	AR1254CCC500	PP075865.D	17 Oct 2025 22:00		YP\AJ	Ok,M
33	I.BLK	I.BLK	PP075866.D	17 Oct 2025 22:16		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137562

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
Q3307-02	S-39(9.5-10.0)	1	1.14	10.71	11.85	10.87	90.8	
Q3307-03	S-39(14.5-15.0)	2	1.15	10.38	11.53	10.4	89.1	
Q3307-04	S-37(7.0-7.5)	3	1.13	10.10	11.23	10.06	88.4	
Q3307-05	S-37(14.5-15.0)	4	1.16	10.22	11.38	10.35	89.9	
Q3307-06	S-38(0-0.5)	5	1.19	10.65	11.84	10.77	90.0	
Q3307-07	S-38(6.0-6.5)	6	1.18	10.35	11.53	10.42	89.3	
Q3307-08	S-38(14.5-15.0)	7	1.17	10.18	11.35	10.39	90.6	
Q3307-09	S-36(0-0.5)	8	1.13	10.34	11.47	10.73	92.8	
Q3307-10	S-36(7.0-7.5)	9	1.18	10.53	11.71	10.63	89.7	
Q3307-11	S-36(14.5-15.0)	10	1.13	11.04	12.17	10.97	89.1	
Q3307-17	S-35(7.0-7.5)	11	1.15	10.83	11.98	10.77	88.8	
Q3307-18	S-35(14.5-15.0)	12	1.12	10.40	11.52	10.33	88.6	
Q3363-01	PR132-SOL-085011-20251015	13	1.13	10.82	11.95	6.55	50.1	
Q3363-02	PR132-SOL-039085-20251015	14	1.15	10.53	11.68	7.11	56.6	
Q3363-03	PR132-SOL-028010-20251015	15	1.15	10.29	11.44	6.79	54.8	
Q3363-04	PR132-SOL-010013-20251015	16	1.18	10.94	12.12	6.81	51.5	
Q3363-05	COMP01-20251015	17	1.19	10.32	11.51	6.91	55.4	
Q3366-01	TR-06-101625	18	1.14	10.33	11.47	10.95	95.0	
Q3366-02	TR-06-101625-E2	19	1.15	10.32	11.47	11.00	95.4	
Q3366-03	TR-1-101625	20	1.19	10.30	11.49	10.7	92.3	
Q3366-04	TR-01-101625-E2	21	1.19	10.43	11.62	11.12	95.2	
Q3367-01	BU-03-101625	22	1.11	10.51	11.62	10.81	92.3	
Q3369-01	MH-22	23	1.16	10.61	11.77	10.62	89.2	
Q3369-02	MH-22-EPH	24	1.15	10.38	11.53	10.4	89.1	
Q3369-03	MH-22-VOC	25	1.16	10.36	11.52	10.4	89.2	
Q3369-05	MH-21	26	1.19	10.76	11.95	10.81	89.4	
Q3369-06	MH-21-EPH	27	1.12	11.10	12.22	11.12	90.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137562

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
Q3369-07	MH-21-VOC	28	1.16	10.45	11.61	10.66	90.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 137562

WorkList Name : %1-101625 **WorkList ID :** 192491 **Department :** Wet-Chemistry **Date :** 10-16-2025 07:46:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3307-02	S-39(9.5-10.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-03	S-39(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-04	S-37(7.0-7.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-05	S-37(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-06	S-38(0-0.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-07	S-38(6.0-6.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-08	S-38(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-09	S-36(0-0.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-10	S-36(7.0-7.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-11	S-36(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-17	S-35(7.0-7.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-18	S-35(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3363-01	PR132-SOL-085011-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-02	PR132-SOL-039085-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-03	PR132-SOL-028010-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-04	PR132-SOL-010013-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-05	COMP01-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3366-01	TR-06-101625	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/16/2025	Chemtech -SO
Q3366-02	TR-06-101625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05		10/16/2025	Chemtech -SO
Q3366-03	TR-1-101625	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/16/2025	Chemtech -SO
Q3366-04	TR-01-101625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/16/2025	Chemtech -SO

Date/Time 10-1625 1320

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10-1625 1730

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 137562

WorkList Name : %1-101625 **WorkList ID :** 192491 **Department :** Wet-Chemistry **Date :** 10-16-2025 07:46:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3367-01	BU-03-101625	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	10/16/2025	Chemtech -SO
Q3369-01	MH-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-02	MH-22-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-03	MH-22-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-05	MH-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-06	MH-21-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-07	MH-21-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO

Date/Time 10-16-25 15:20
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 10-16-25 17:30
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170141

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	10/17/2025
Matrix :	Solid			**Extraction Start Time :**	08:50
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	10/17/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24930
Surrogate	1.0ML	200 PPB	PP24663
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	EP2643
Baked Na2SO4	N/A	EP2652
Hexane	N/A	E3978
H2SO4 1:1	N/A	EP2610
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

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/17/25	RS (Ext-Lab)	
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170141

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 10/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170141BL	ABLK141	PCB	30.02	N/A	RUPESH	ritesh	10			U1-1
PB170141BS	ALCS141	PCB	30.01	N/A	RUPESH	ritesh	10			2
Q3363-01	PR132-SOL-085011-2025 1015	PCB	30.06	N/A	RUPESH	ritesh	10	E		3
Q3363-02	PR132-SOL-039085-2025 1015	PCB	30.04	N/A	RUPESH	ritesh	10	E		4
Q3363-03	PR132-SOL-028010-2025 1015	PCB	30.08	N/A	RUPESH	ritesh	10	E		5
Q3363-04	PR132-SOL-010013-2025 1015	PCB	30.03	N/A	RUPESH	ritesh	10	E		6
Q3363-05	COMP01-20251015	PCB	30.05	N/A	RUPESH	ritesh	10	E		U2-1
Q3366-01	TR-06-101625	PCB	30.07	N/A	RUPESH	ritesh	10	E		2
Q3366-03	TR-1-101625	PCB	30.01	N/A	RUPESH	ritesh	10	E		3
Q3367-01	BU-03-101625	PCB	30.06	N/A	RUPESH	ritesh	10	E		4
Q3369-01	MH-22	PCB	30.09	N/A	RUPESH	ritesh	10	E		5
Q3369-01MS	MH-22MS	PCB	30.05	N/A	RUPESH	ritesh	10	E		6
Q3369-01MSD	MH-22MSD	PCB	30.03	N/A	RUPESH	ritesh	10	E		U3-1
Q3369-05	MH-21	PCB	30.04	N/A	RUPESH	ritesh	10	E		2

RS 10/17

* **Extracts relinguished on the same date as received.**

170141 8:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3363 **WorkList ID :** 192514 **Department :** Extraction **Date :** 10-17-2025 08:28:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3363-01	PR132-SOL-085011-20251015	Solid	PCB	Cool 4 deg C	AECO02	D31	10/15/2025	8082A
Q3363-02	PR132-SOL-039085-20251015	Solid	PCB	Cool 4 deg C	AECO02	D31	10/15/2025	8082A
Q3363-03	PR132-SOL-028010-20251015	Solid	PCB	Cool 4 deg C	AECO02	D31	10/15/2025	8082A
Q3363-04	PR132-SOL-010013-20251015	Solid	PCB	Cool 4 deg C	AECO02	D31	10/15/2025	8082A
Q3363-05	COMP01-20251015	Solid	PCB	Cool 4 deg C	AECO02	D31	10/15/2025	8082A
Q3366-01	TR-06-101625	Solid	PCB	Cool 4 deg C	PSEG05	D31	10/16/2025	8082A
Q3366-03	TR-1-101625	Solid	PCB	Cool 4 deg C	PSEG05	D31	10/16/2025	8082A
Q3367-01	BU-03-101625	Solid	PCB	Cool 4 deg C	PSEG05	D11	10/16/2025	8082A
Q3369-01	MH-22	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/16/2025	8082A
Q3369-05	MH-21	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/16/2025	8082A

Date/Time 10/17/25 8:45
Raw Sample Received by: RJ (EZL-1406)
Raw Sample Relinquished by: [signature]

Date/Time 10/17/25 9:05
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (EZL-1406)

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

Prep Standard - Chemical Standard Summary

Order ID : Q3363

Test : PCB

Prepbatch ID : PB170141,

Sequence ID/Qc Batch ID: PO101725,pp101725,

Standard ID :

EP2610,EP2643,EP2652,PP24329,PP24330,PP24381,PP24663,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,

Chemical ID :

E3804,E3875,E3944,E3951,E3962,E3963,E3971,E3972,E3978,M6157,P 11522,P11592,P12700,P12703,P12952,P12953,P12957,P13356,P13373,P13375,P13590,P13592,P13695,P13697,P13706,P13786,P13789,P13833,P13879,P13881,P13885,W3112,W3177,W3234,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	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	01/28/2026	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

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

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)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	02/18/2026	08/18/2025 / yogesh	03/18/2022 / Abdul	P11592

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CHEMICAL RECEIPT LOG BOOK

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	A0210232	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13706

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	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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 #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	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

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

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Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375)**	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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.

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

VWR®
BDH® CHEMICALS

Certificate of Analysis

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	SiO2
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 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Recieved on 7/30/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3962

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

PO: PO2-2575 PRODUCT CODE: SHIP DATE: 6/20/25

Acetone,
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recieved 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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

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

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362006
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	4
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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	1,000.7 µg/mL	+/- 5.9437	µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284	µg/mL	Unstressed
	Purity ----%		+/- 41.4406	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588 ↓ P11592 | 5

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

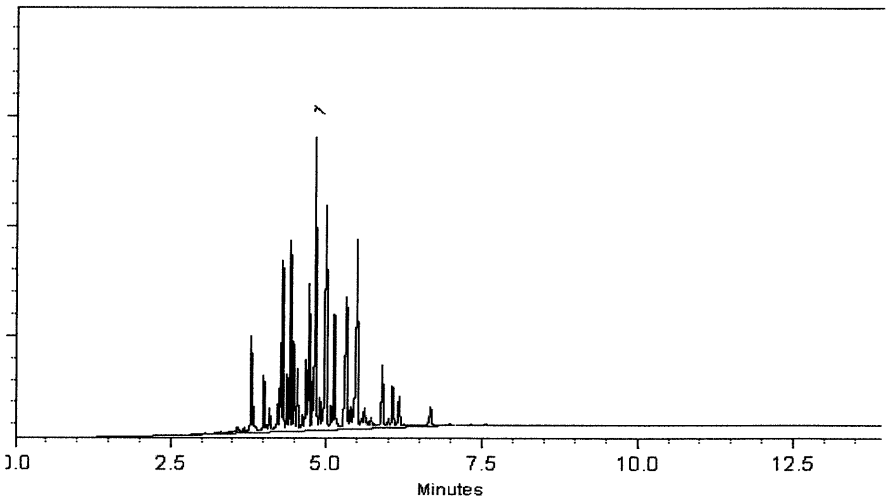
Carrier Gas:
helium-constant pressure 20 psi.

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 - Mix Technician

Date Mixed: 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11588 | (5)
1
P11592

AR
04/30/22

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Certified Refere

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

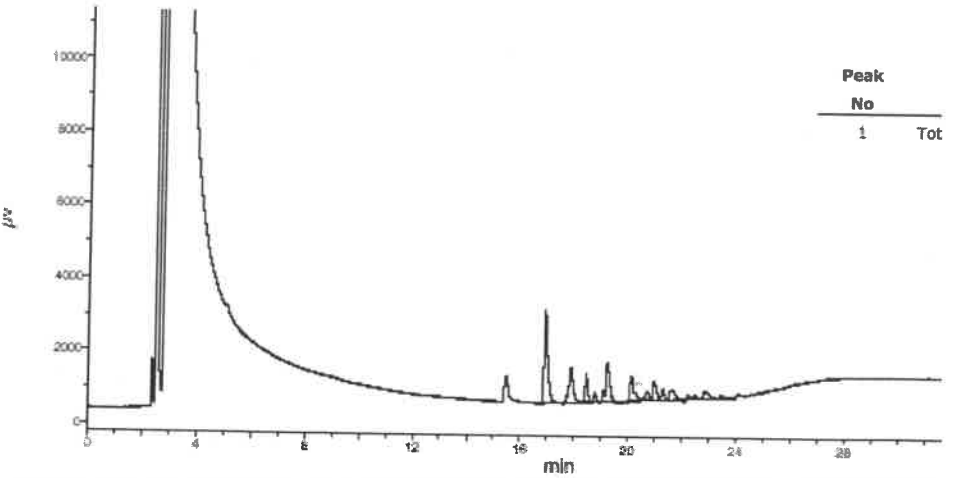
Weight(s) shown below were combined and diluted to (mL): 100.0

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 X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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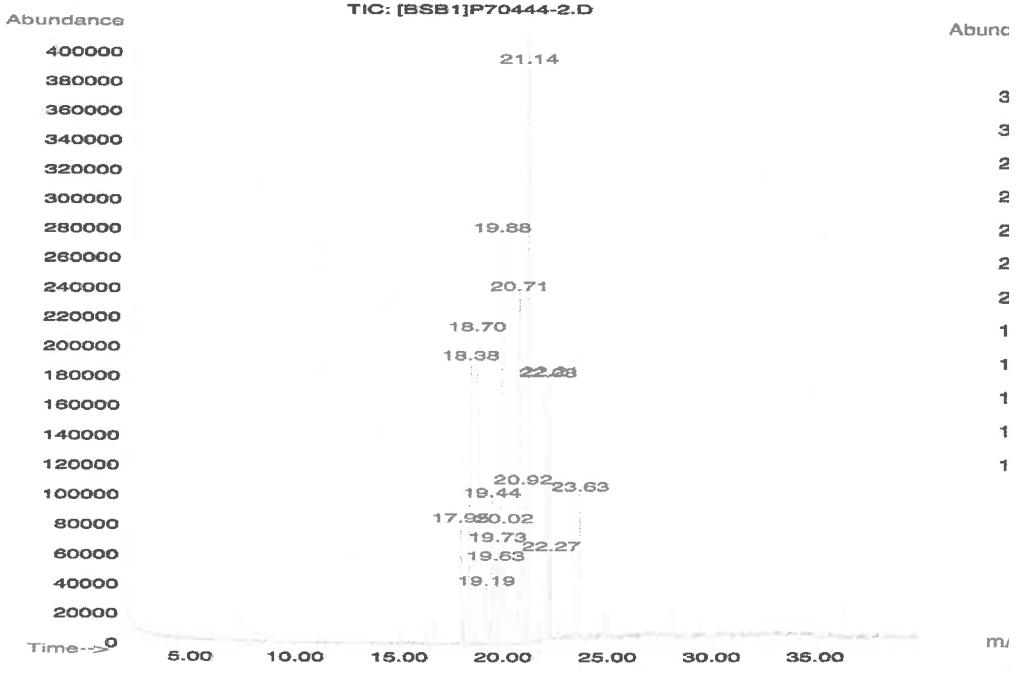
Certified Referen

CERTIFIED WEIGHT REPORT

Part Number:	X9166	**Solvent(s):**	
Lot Number:	060523	Methanol	E
Description:	Aroclor 1262 Appendix IX Compound		
Expiration Date:	060533		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	100		
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL):	20.0	0.002	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 certifed (+/-) 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).

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Certified Reference Material CRM

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

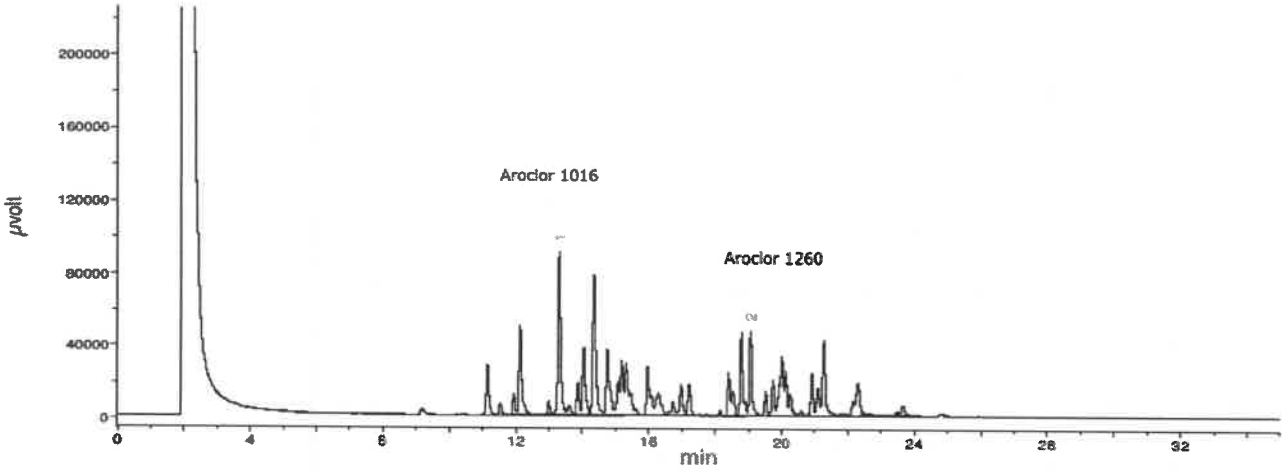
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

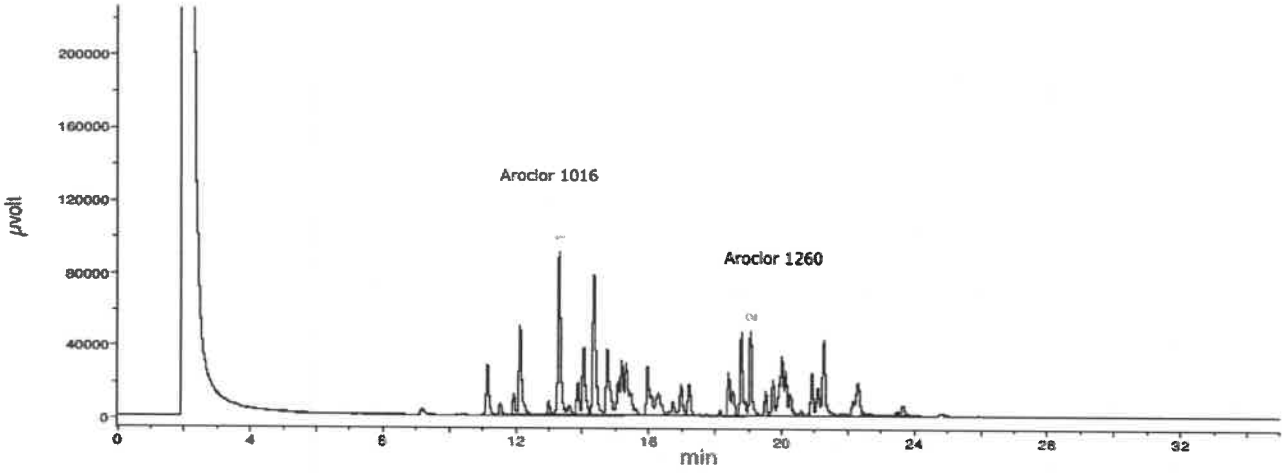
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

		121823
Formulated By:	Anthony Mahoney	DATE
		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 & P12957 Y.P. 12/20/23

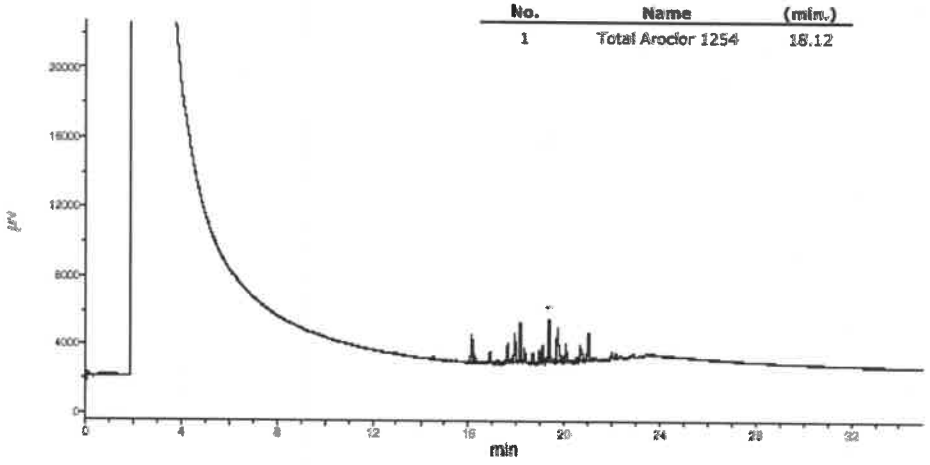
Note: Aroclor 1254 is a mix of isomers.

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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 → P13357 (10)

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

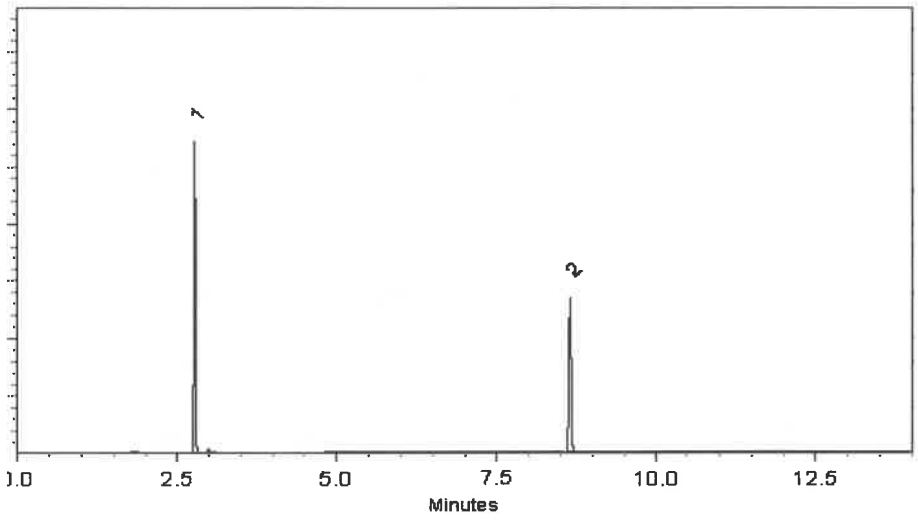
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348 (10)

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P13357

04/25/2025

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 (2)
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P 13375
1

05/6/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

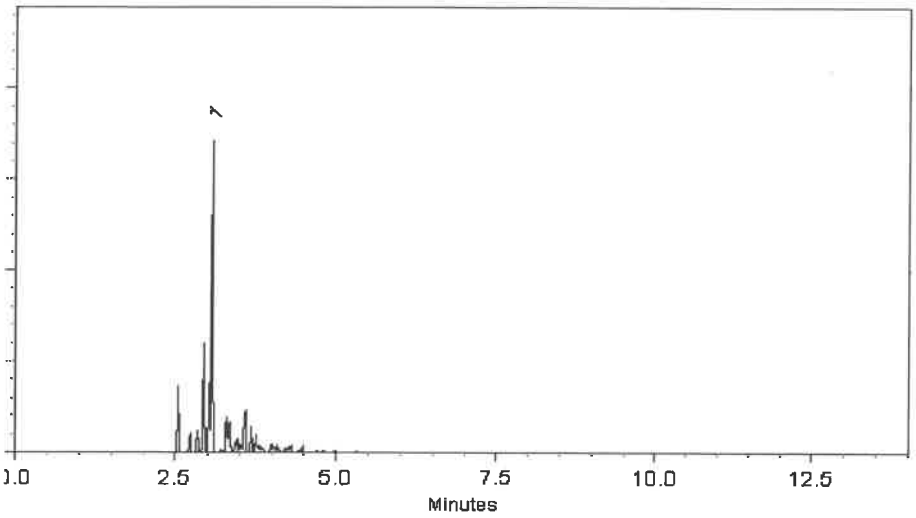
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
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

P13374 (2)
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P13375

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

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1242	100.4	±	0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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P13590

AJ
10/14/24

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1248 Standard
Product Number: PP-342-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006726317
Lot Issue Date: 27-Jan-2023
Expiration Date: 28-Feb-2031

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
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P13592

AJ
10/14/2024

Agilent

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Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB
ANSI National Accreditation Board
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.1

ISO 17025

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0214733

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

P13695
P13696
Y.P.
10/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	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.)

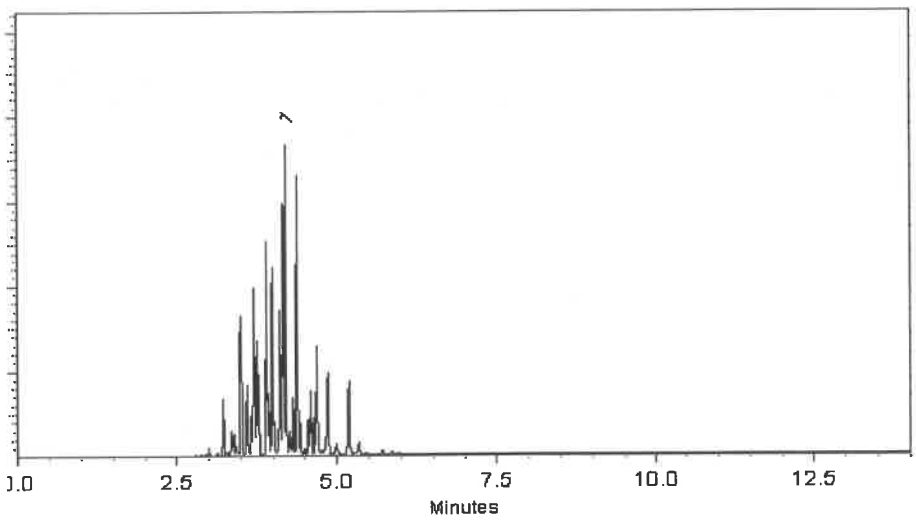
Inj. Temp:
250°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

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.)

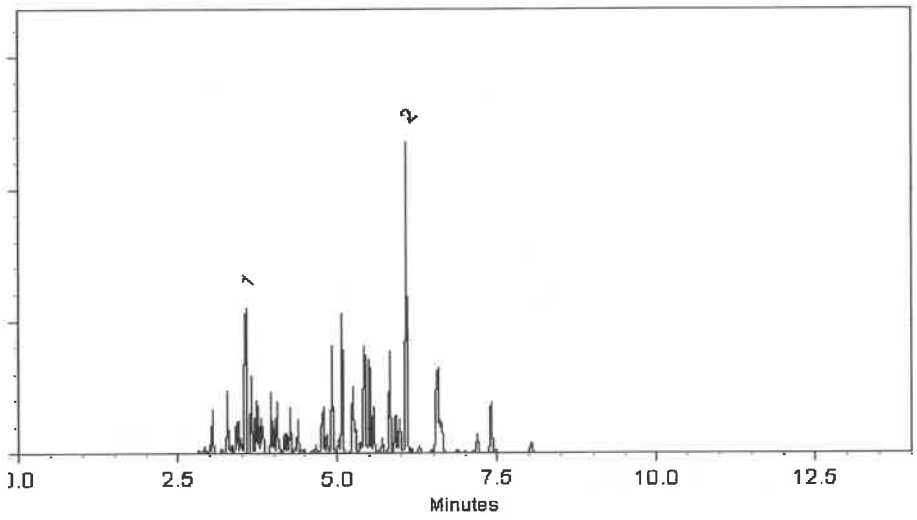
Inj. Temp:
250°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0210232

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

P13706
P13707
} Y.P. 10/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 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.)

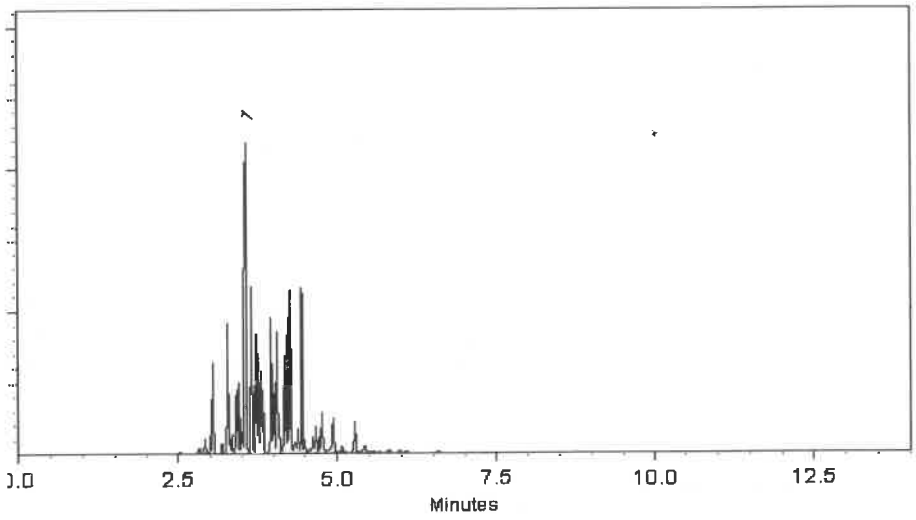
Inj. Temp:
250°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

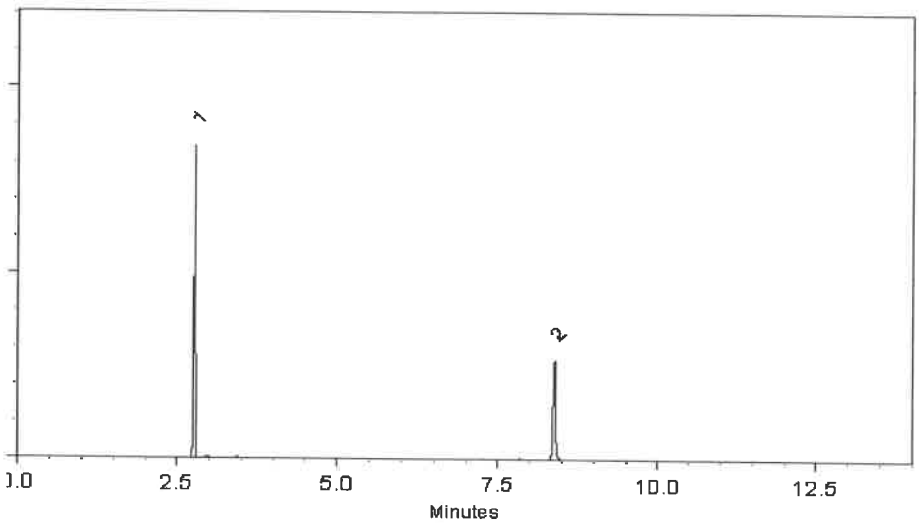
Inj. Temp:
250°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

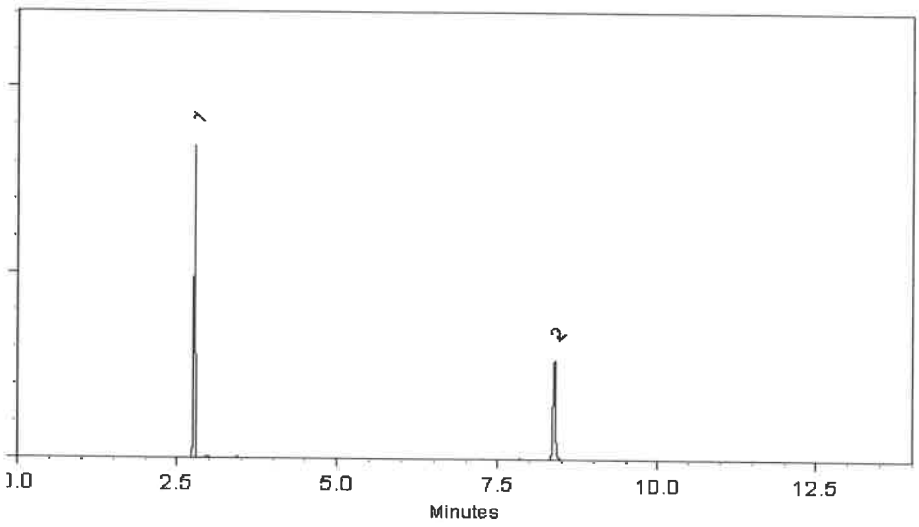
Inj. Temp:
250°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

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

RESTEK

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Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

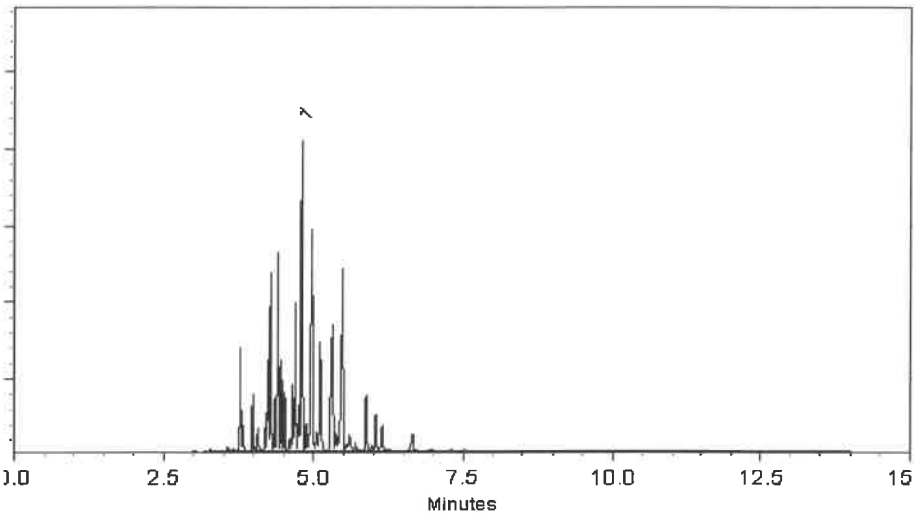
Inj. Temp:
250°C

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 - Operations Tech I

Date Mixed: 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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ISO/IEC 17025 Accredited
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13878
↓
P13880

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

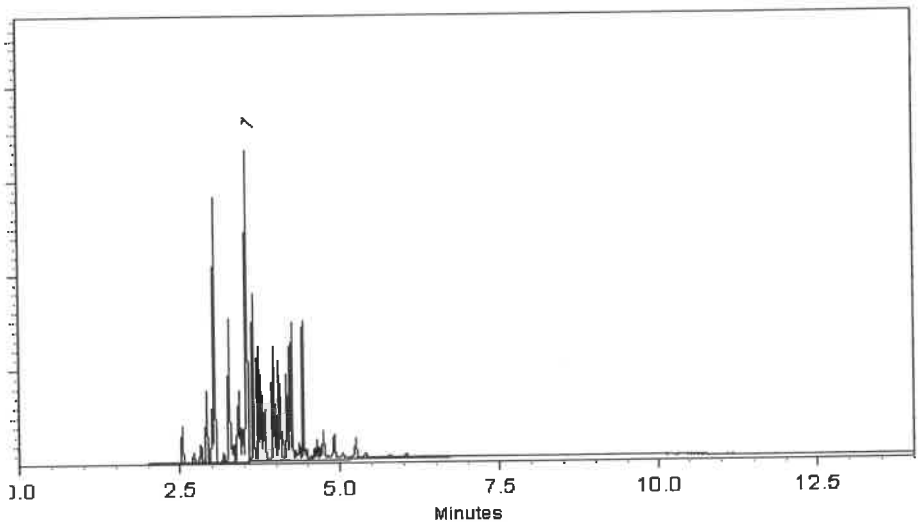
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Bellefonte, PA 16823-8812
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** 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.)

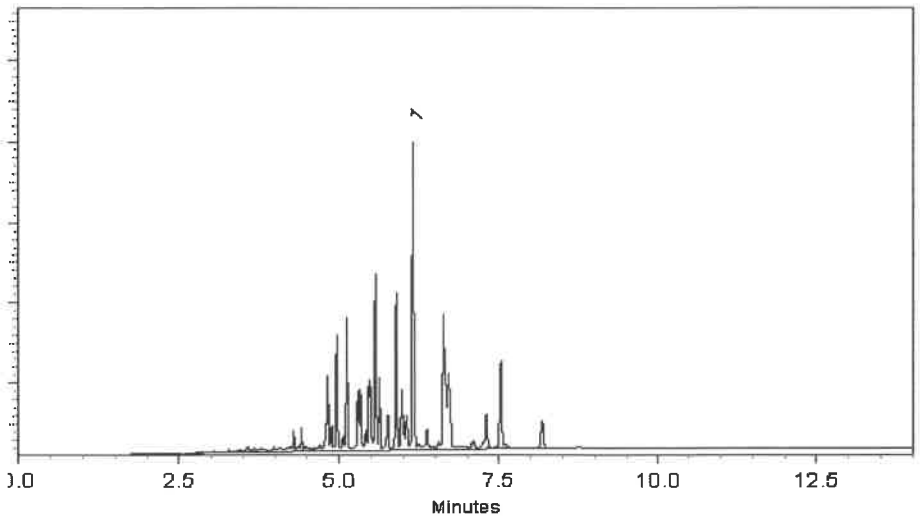
Inj. Temp:
250°C

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

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** 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.)

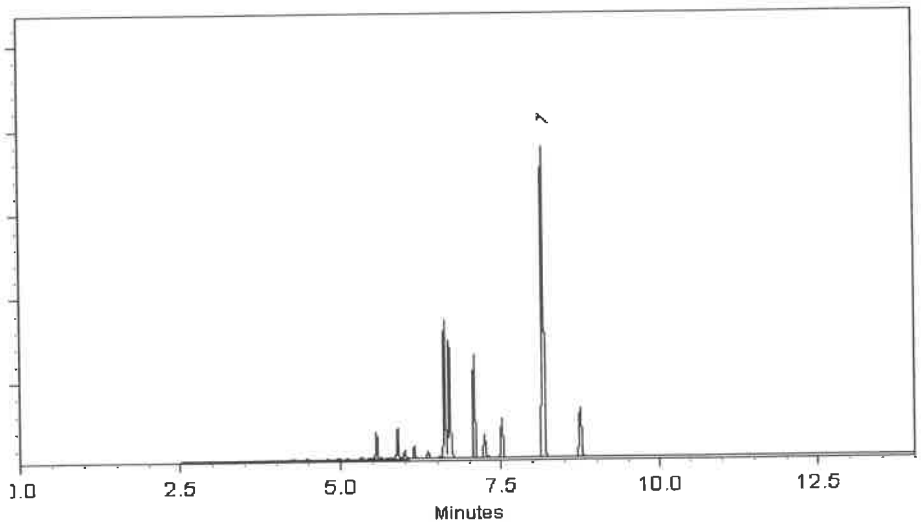
Inj. Temp:
250°C

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

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

W3234 JB
Update: 07/28/2025

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO:
QUOTE NO. Q3363
COC Number 2045136 Q3364

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 Third Avenue
CITY New York STATE: NY ZIP: 10158
ATTENTION: Robert Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 Third Avenue
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
(STANDARD) HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced
- ❑ US EPA CLP
- ❑ NYS ASP A
- ☒ NYS ASP B
- ❑ Other _____
- ❑ EDD FORMAT _____

ANALYSIS

1: SVOCs
2: Pesticides - TCLP
3: Mercury - Metals
4: PCBs / Hex Chrome
5: Dioxin
6: Grain Size
7: TOC
8: VOCs
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E	E	E	E	E	E	E	F		← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	PR132-S01-085011-20251015	Soil		X	10/15	1157	11	X	X	X	X	X	X	X	X		
2.	PR132-S01-039085-20251015	Soil		X	10/15	1210	11	X	X	X	X	X	X	X	X		
3.	PR132-S03-028010-20251015	Soil		X	10/15	1315	11	X	X	X	X	X	X	X	X		
4.	PR132-S03-010013-20251015	Soil		X	10/15	1330	11	X	X	X	X	X	X	X	X		
5.	COMP01-20251015	Soil	X		10/15	1353	11	X	X	X	X	X	X	X	X		
6.	TB-01	Water			10/15		1	X	X	X	X	X	X	X	X	X	Temp Blank
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Alderson	10/15/25 1700	1. 10-15-25 1700
2.	DATE/TIME:	2.
3.	DATE/TIME: 10-15-25 1750	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 3.1 °C
Comments:

Page ____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3363 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/16/2025 10:56:42 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/16/2025 5:50:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3363-01	PR132-SO1-085011-20251015	Solid	10/15/2025	11:57					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-02	PR132-SO1-039085-20251015	Solid	10/15/2025	12:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-03	PR132-SO3-028010-20251015	Solid	10/15/2025	13:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-04	PR132-SO3-010013-20251015	Solid	10/15/2025	13:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-05	COMP01-20251015	Solid	10/15/2025	13:53					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 10/16/25 1440

Received By :
Date / Time : 10/16/25 12:18

Storage Area : VOA Refridgerator Room