

Cover Page

Order ID : Q3015

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q3015-01
Q3015-02
Q3015-03
Q3015-04
Q3015-05
Q3015-06
Q3015-07
Q3015-08
Q3015-09
Q3015-10
Q3015-11
Q3015-12
Q3015-13
Q3015-14
Q3015-15
Q3015-16
Q3015-17
Q3015-18
Q3015-19
Q3015-20
Q3015-21
Q3015-22

Client Sample Number

WP0925-PT-VOA-WP
WP0925-PT-VOA-WP
WP0925-PT-BN-WP
WP0925-PT-BN-WP
WP0925-PT-BN-WP
WP0925-PT-ACIDS-WP
WP0925-PT-ACIDS-WP
WP0925-PT-ACIDS-WP
WP0925-PT-PEST-WP
WP0925-PT-PEST-WP
WP0925-PT-CHLR-WP
WP0925-PT-CHLR-WP
WP0925-PT-TXP-WP
WP0925-PT-TXP-WP
WP0925-PT-PCBW-WP
WP0925-PT-PCBW-WP
WP0925-PT-HERB-WP
WP0925-RR-GAS-WP
WP0925-RR-DIES-WP
WP0925-RR-8011-WP
WP0925-RR-PAH-WP
WP0925-RR-TRIAZINE-WP

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: 9/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Waste Water PT

Project # N/A

Order ID # Q3015

Test Name: PCB

A. Number of Samples and Date of Receipt:

21 Water samples were received on 09/04/2025.

1 Water sample was received on 09/09/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:
PCB. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 608.3,8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID PO113598.D met the requirements except for Aroclor-1016(Peak-05) is failing in 1st column but passing in 2nd column therefore no corrective action taken.

E. Additional Comments:

F. Manual Integration Comments:

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



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Phone: 908 789 8900 Fax: 908 789 8922

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Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3015

MATRIX: Water

METHOD: 608.3,8082A/3510

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements. The Continuous Calibration File ID PO113598.D met the requirements except for Aroclor-1016(Peak-05) is failing in 1st column but passing in 2nd column therefore no corrective action taken.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds. The RPD were met for all analysis.			✓
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3015

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 09/29/2025

LAB CHRONICLE

OrderID:	Q3015	OrderDate:	9/4/2025 10:14:00 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3015-09	WP0925-PT-PEST-WP	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-09DL	WP0925-PT-PEST-WP DL	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-09DL 2	WP0925-PT-PEST-WP DL2	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-15	WP0925-PT-PCBW-W P	WATER	PCB	8082A	09/02/25	09/08/25	09/09/25	09/04/25
Q3015-18	WP0925-RR-GAS-WP	Water	Gasoline Range Organics	8015D	09/02/25		09/17/25	09/04/25



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Hit Summary Sheet
SW-846

SDG No.: Q3015

Order ID: Q3015

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	WP0925-PT-PCBW-WP						
Q3015-15	WP0925-PT-PCBW-V WATER	Aroclor-1232	7.00		0.096	0.50	ug/L
		Total Concentration:	7.000				



QC SUMMARY

Surrogate Summary

SDG No.: Q3015

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO113002.D	PIBLK-PO113002.D	Tetrachloro-m-xyl	1	20	16.6	83		60	140
		Decachlorobiphen	1	20	17.2	86		60	140
		Tetrachloro-m-xyl	2	20	16.9	84		60	140
		Decachlorobiphen	2	20	18.1	91		60	140
I.BLK-PO113572.D	PIBLK-PO113572.D	Tetrachloro-m-xyl	1	20	18.1	90		60	140
		Decachlorobiphen	1	20	17.3	86		60	140
		Tetrachloro-m-xyl	2	20	16.9	84		60	140
		Decachlorobiphen	2	20	18.1	91		60	140
PB169600BL	PB169600BL	Tetrachloro-m-xyl	1	20	22.0	110		30	173
		Decachlorobiphen	1	20	21.1	105		10	173
		Tetrachloro-m-xyl	2	20	20.4	102		30	173
		Decachlorobiphen	2	20	21.9	109		10	173
PB169600BS	PB169600BS	Tetrachloro-m-xyl	1	20	20.2	101		30	173
		Decachlorobiphen	1	20	20.4	102		10	173
		Tetrachloro-m-xyl	2	20	18.5	93		30	173
		Decachlorobiphen	2	20	21.1	106		10	173
PB169600BSD	PB169600BSD	Tetrachloro-m-xyl	1	20	20.5	102		30	173
		Decachlorobiphen	1	20	20.6	103		10	173
		Tetrachloro-m-xyl	2	20	18.9	94		30	173
		Decachlorobiphen	2	20	21.7	108		10	173
I.BLK-PO113584.D	PIBLK-PO113584.D	Tetrachloro-m-xyl	1	20	18.3	92		60	140
		Decachlorobiphen	1	20	17.9	89		60	140
		Tetrachloro-m-xyl	2	20	17.3	87		60	140
		Decachlorobiphen	2	20	18.5	92		60	140
I.BLK-PO113586.D	PIBLK-PO113586.D	Tetrachloro-m-xyl	1	20	16.8	84		60	140
		Decachlorobiphen	1	20	17.9	89		60	140
		Tetrachloro-m-xyl	2	20	16.9	85		60	140
		Decachlorobiphen	2	20	18.3	91		60	140
I.BLK-PO113595.D	PIBLK-PO113595.D	Tetrachloro-m-xyl	1	20	18.6	93		60	140
		Decachlorobiphen	1	20	18.2	91		60	140
		Tetrachloro-m-xyl	2	20	17.8	89		60	140
		Decachlorobiphen	2	20	19.3	96		60	140
Q3015-15	WP0925-PT-PCBW-WP	Tetrachloro-m-xyl	1	20	24.0	120		30	173
		Decachlorobiphen	1	20	24.1	121		10	173
		Tetrachloro-m-xyl	2	20	23.1	116		30	173
		Decachlorobiphen	2	20	25.4	127		10	173
I.BLK-PO113600.D	PIBLK-PO113600.D	Tetrachloro-m-xyl	1	20	18.9	95		60	140
		Decachlorobiphen	1	20	19.3	96		60	140
		Tetrachloro-m-xyl	2	20	17.9	90		60	140
		Decachlorobiphen	2	20	19.3	96		60	140



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3015</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	Datafile :	<u>PO113575.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB169600BS (Column 1)	AR1016	5	4.60	ug/L	92				77	107	
	AR1260	5	4.40	ug/L	88				66	113	
PB169600BS (Column 2)	AR1016	5	4.20	ug/L	84				77	107	
	AR1260	5	3.80	ug/L	76				66	113	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3015

Analytical Method: 8082A

Client: Alliance Technical Group, LLC - Newark

Datafile : PO113576.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169600BSD (Column 1)	AR1016	5	4.60	ug/L	92	0			77	107	20
	AR1260	5	4.50	ug/L	90	2			66	113	20
PB169600BSD (Column 2)	AR1016	5	4.20	ug/L	84	0			77	107	20
	AR1260	5	3.80	ug/L	76	0			66	113	20

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169600BL

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169600BL

Lab File ID: PO113573.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/08/2025

Date Analyzed (1): 09/08/2025

Date Analyzed (2): 09/08/2025

Time Analyzed (1): 14:41

Time Analyzed (2): 14:41

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
PB169600BS	PB169600BS	PO113575.D	09/08/2025	09/08/2025
PB169600BSD	PB169600BSD	PO113576.D	09/08/2025	09/08/2025
WP0925-PT-PCBW-WP	Q3015-15	PO113597.D	09/09/2025	09/09/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PCBW-WP	SDG No.:	Q3015
Lab Sample ID:	Q3015-15	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113597.D	1	09/08/25 10:00	09/09/25 01:07	PB169600

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	7.00		0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.0		30 - 173	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4		10 - 173	127%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : P0113597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 01:07
 Operator : YP/AJ
 Sample : Q3015-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WP0925-PT-PCBW-WP

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 15:17:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 15:11:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.659	3.650	196.8E6	117.0E6	24.045	23.123
2) SA Decachlor...	8.669	8.614	167.0E6	48145659	24.100	25.409
Target Compounds						
11) L3 AR-1232-1	4.030	4.018	121.1E6	81386364	674.503	672.988
12) L3 AR-1232-2	4.521	4.739	69185233	84527723	641.096	692.568
13) L3 AR-1232-3	4.760	4.913	141.4E6	46734552	716.344	706.430
14) L3 AR-1232-4	4.936	4.998	73292122	40359864	745.647	673.467
15) L3 AR-1232-5	4.979	5.168	46611238	44687276	708.569	660.897

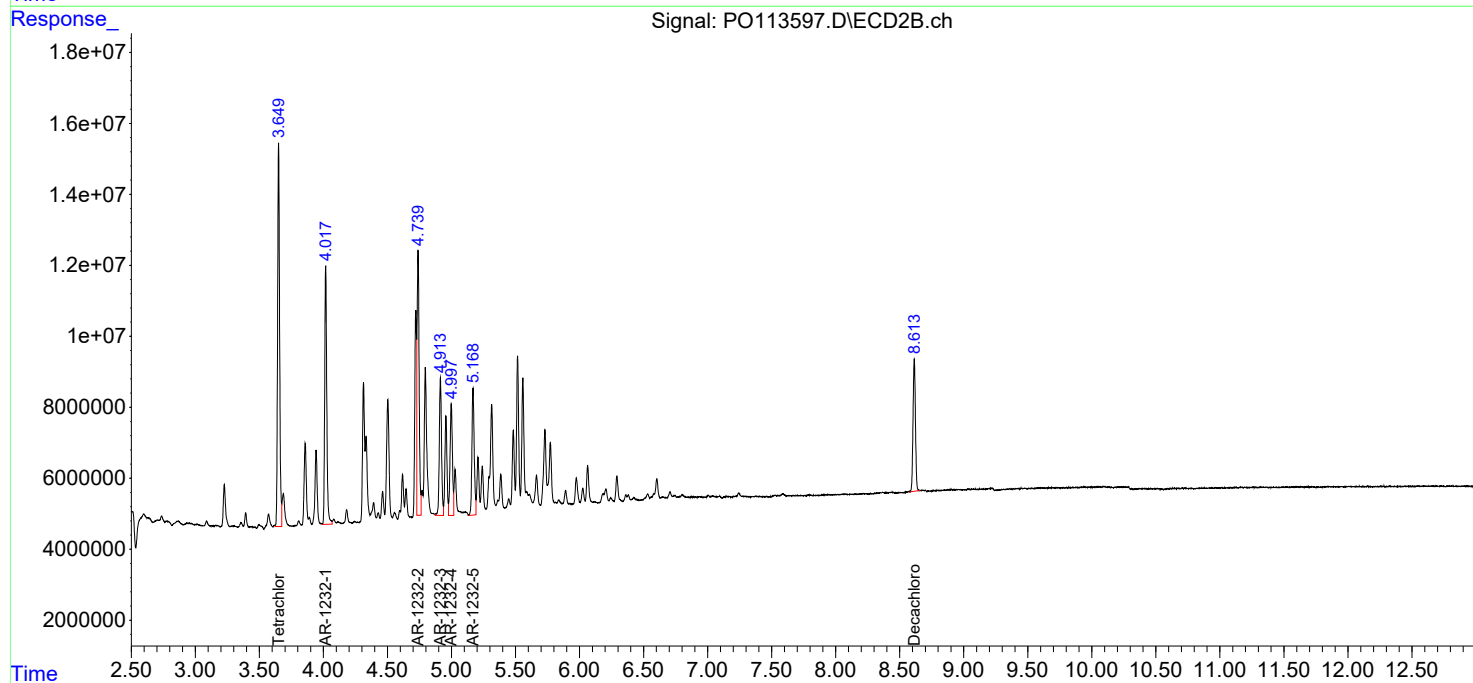
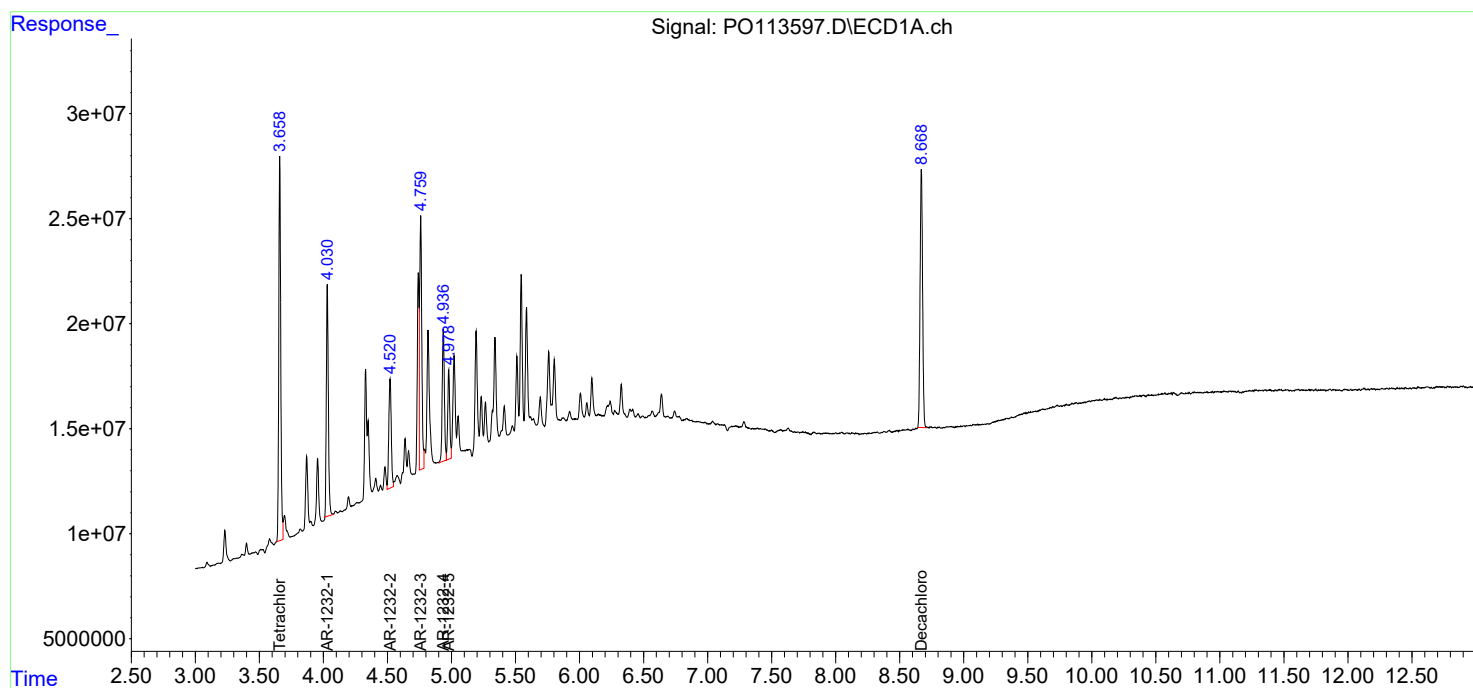
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

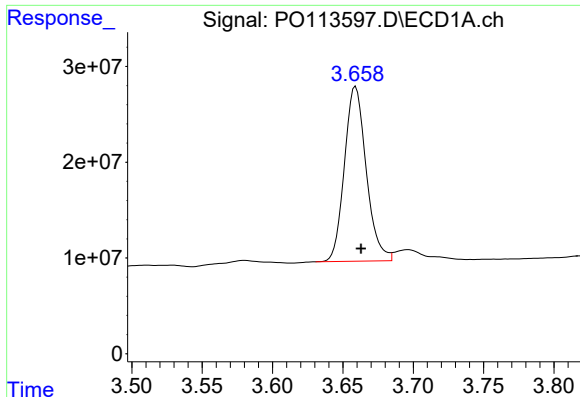
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 01:07
Operator : YP/AJ
Sample : Q3015-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WP0925-PT-PCBW-WP

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:17:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

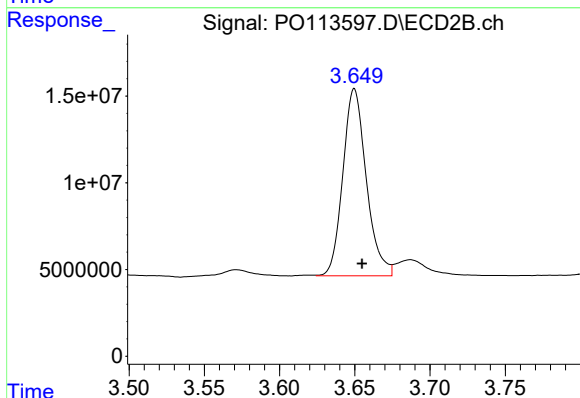




#1 Tetrachloro-m-xylene

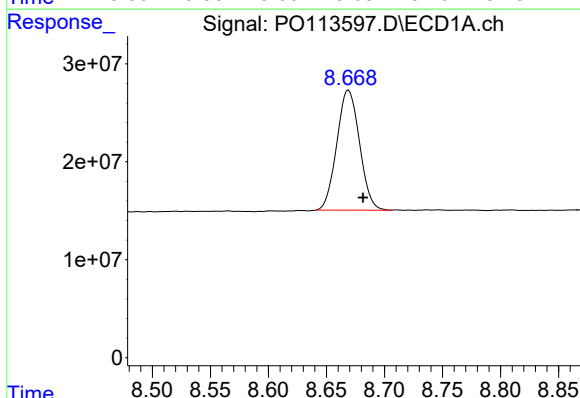
R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 196843136
Conc: 24.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
WP0925-PT-PCBW-WP



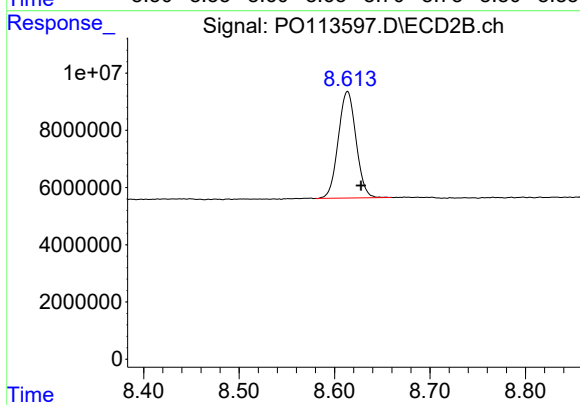
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.005 min
Response: 117016274
Conc: 23.12 ng/ml



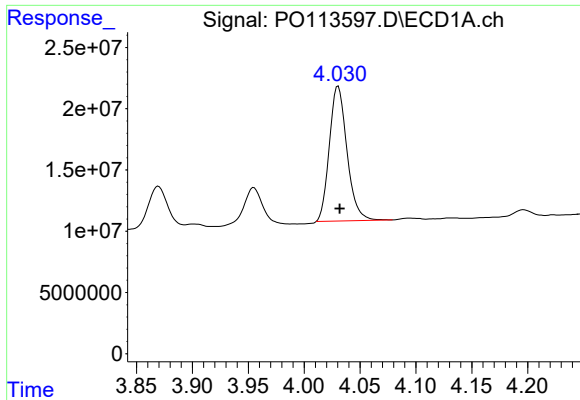
#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: -0.013 min
Response: 167048338
Conc: 24.10 ng/ml



#2 Decachlorobiphenyl

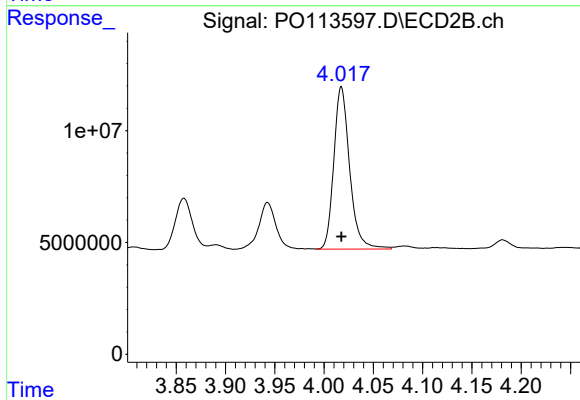
R.T.: 8.614 min
Delta R.T.: -0.014 min
Response: 48145659
Conc: 25.41 ng/ml



#11 AR-1232-1

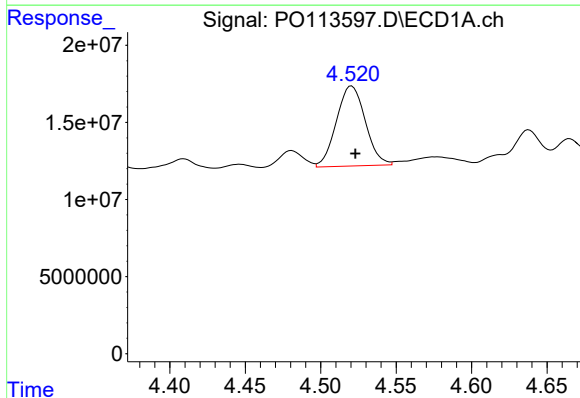
R.T.: 4.030 min
Delta R.T.: -0.001 min
Response: 121091397
Conc: 674.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
WP0925-PT-PCBW-WP



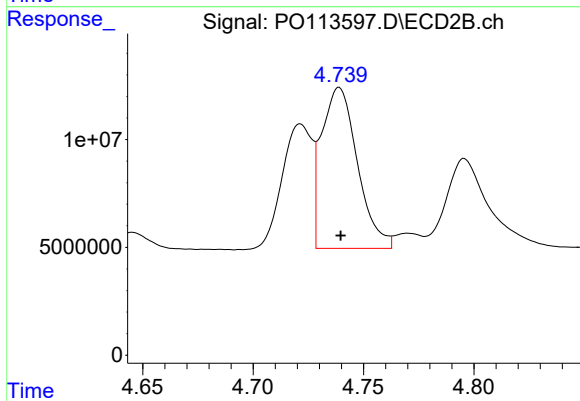
#11 AR-1232-1

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 81386364
Conc: 672.99 ng/ml



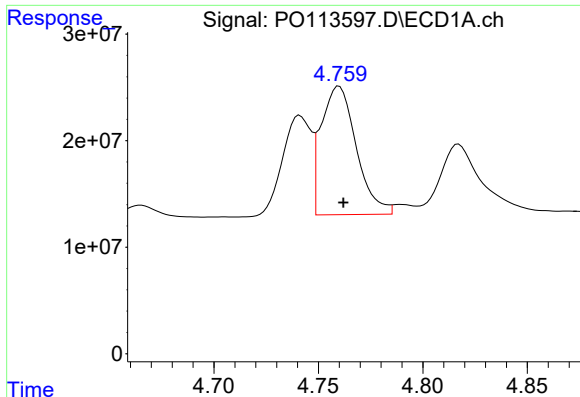
#12 AR-1232-2

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 69185233
Conc: 641.10 ng/ml



#12 AR-1232-2

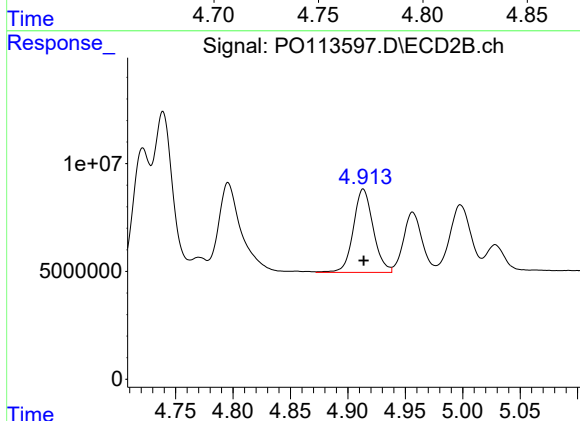
R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 84527723
Conc: 692.57 ng/ml



#13 AR-1232-3

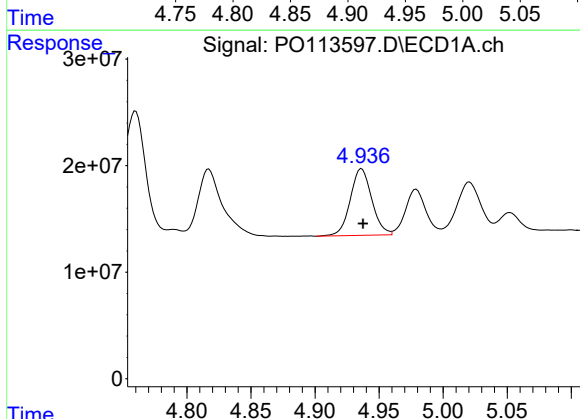
R.T.: 4.760 min
Delta R.T.: -0.002 min
Response: 141403083
Conc: 716.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
WP0925-PT-PCBW-WP



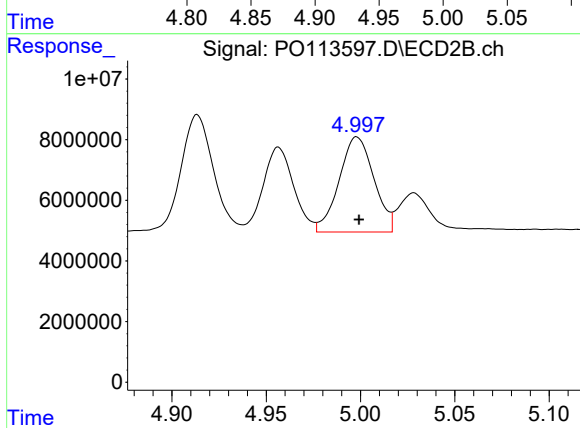
#13 AR-1232-3

R.T.: 4.913 min
Delta R.T.: 0.000 min
Response: 46734552
Conc: 706.43 ng/ml



#14 AR-1232-4

R.T.: 4.936 min
Delta R.T.: -0.001 min
Response: 73292122
Conc: 745.65 ng/ml



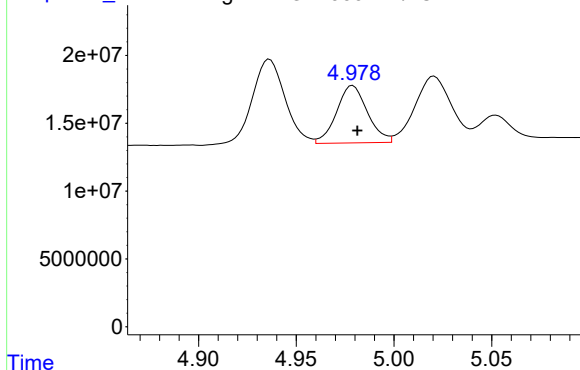
#14 AR-1232-4

R.T.: 4.998 min
Delta R.T.: -0.001 min
Response: 40359864
Conc: 673.47 ng/ml

Response_

Signal: PO113597.D\ECD1A.ch

#15 AR-1232-5



R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 46611238
Conc: 708.57 ng/ml

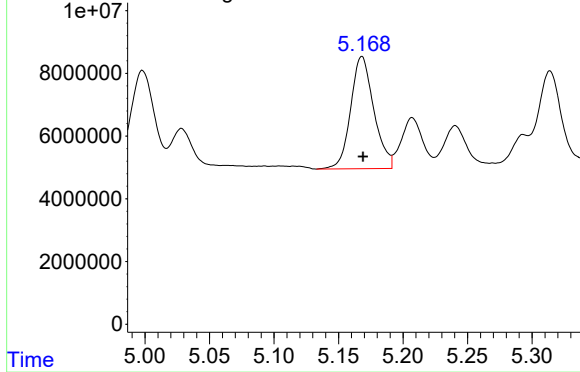
Instrument :
ECD_O
ClientSampleId :
WP0925-PT-PCBW-WP

Time

Response_

Signal: PO113597.D\ECD2B.ch

#15 AR-1232-5



R.T.: 5.168 min
Delta R.T.: -0.001 min
Response: 44687276
Conc: 660.90 ng/ml



CALIBRATION SUMMARY

Calibration Times: 09:53 18:24

LAB FILE ID: RT 1000 = PO113003.D RT 750 = PO113004.D
RT 500 = PO113005.D RT 250 = PO113006.D RT 050 = PO113007.D

[illegible]

[illegible]

Calibration Times: 09:53 18:24

LAB FILE ID: RT 1000 = PO113003.D RT 750 = PO113004.D
RT 500 = PO113005.D RT 250 = PO113006.D RT 050 = PO113007.D

[illegible]

[illegible]



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ALLI03
SDG NO.: Q3015

Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 09:53 18:24

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

LAB FILE ID:		CF 1000 = <u>PO113003.D</u>		CF 750 = <u>PO113004.D</u>			
CF 500 = <u>PO113005.D</u>		CF 250 = <u>PO113006.D</u>		CF 050 = <u>PO113007.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	255371052	268882561	275934040	276241276	258494960	266984778
Aroclor-1016-2	(2)	386597005	407445280	416148678	417991420	378975420	401431561
Aroclor-1016-3	(3)	240674907	253345352	260103296	260910040	260078600	255022439
Aroclor-1016-4	(4)	200488933	211018755	217396840	218446060	242989580	218068034
Aroclor-1016-5	(5)	201770173	209979241	223743332	226026380	246620380	221627901
Aroclor-1260-1	(1)	410428218	427895784	448350422	466101308	477127140	445980574
Aroclor-1260-2	(2)	647927331	671777743	694591256	718069576	701240300	686721241
Aroclor-1260-3	(3)	589701211	617064005	642929590	643696764	593976440	617473602
Aroclor-1260-4	(4)	414110693	436180457	452681312	475292936	461106740	447874428
Aroclor-1260-5	(5)	1160238835	1200115325	1238734248	1265998100	1188334440	1210684190
Decachlorobiphenyl		6690212690	6905027373	7141319640	7175759920	6744868400	6931437605
Tetrachloro-m-xylene		8029674340	8350369867	8441238500	8370538000	7741099400	8186584021
Aroclor-1242-1	(1)	219003807	233526197	242788968	240725264	213615160	229931879
Aroclor-1242-2	(2)	327976735	344946825	364718188	364178480	316305340	343625114
Aroclor-1242-3	(3)	205275217	218054489	227356174	226343432	232391780	221884218
Aroclor-1242-4	(4)	165269678	175377872	183337550	185157480	158170880	173462692
Aroclor-1242-5	(5)	180656505	196650337	209535050	215724772	198244940	200162321
Decachlorobiphenyl		6983751120	7199555547	7360295780	7264103480	6074426600	6976426505
Tetrachloro-m-xylene		7902542970	8274474280	8655126880	8517047440	6985096600	8066857634
Aroclor-1248-1	(1)	177555092	181269211	184034788	180488664	148983880	174466327
Aroclor-1248-2	(2)	240102006	246360772	247113578	251916636	223835260	241865650
Aroclor-1248-3	(3)	306109229	315711316	329615046	318673876	324209820	318863857
Aroclor-1248-4	(4)	475546851	491209784	508332020	505821844	517111680	499604436
Aroclor-1248-5	(5)	324226410	338835636	348307430	339859680	356228800	341491591
Decachlorobiphenyl		7181659070	7514737493	7570052300	7529287200	6075985600	7174344333
Tetrachloro-m-xylene		8381826150	8547750707	8588948580	8387451840	6708360600	8122867575
Aroclor-1254-1	(1)	499551241	515351475	527161470	563388796	594438580	539978312
Aroclor-1254-2	(2)	454632825	464341571	479773010	512965400	555557200	493454001
Aroclor-1254-3	(3)	711089310	727800197	738817928	777856740	738821820	738877199
Aroclor-1254-4	(4)	533028449	548551808	553178702	579063696	571175320	556999595
Aroclor-1254-5	(5)	687979747	697879139	702021496	740623884	676364320	700973717
Decachlorobiphenyl		7131515840	7330561920	7448714920	7630980560	6693328400	7247020328
Tetrachloro-m-xylene		8126881990	8349680347	8316489120	8586551360	7297838200	8135488203
Aroclor-1268-1	(1)	1761014831	1774598480	1803892944	1840793296	1424143680	1720888646



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1477166466	1492439849	1517161498	1547779236	1206191000	1448147610	10
Aroclor-1268-3	(3)	1233609752	1245280741	1270713242	1291388356	990581680	1206314754	10
Aroclor-1268-4	(4)	475808490	479214719	476669802	493044724	378582420	460664031	10
Aroclor-1268-5	(5)	3340543820	3334721212	3351512988	3373775928	2541501700	3188411130	11
Decachlorobiphenyl		13573084670	13653631320	13924005880	14188212680	11035945600	13274976030	10
Tetrachloro-m-xylene		8383283840	8466545813	8477460740	8727640480	6548042000	8120594575	11



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ALLI03
SDG NO.: Q3015

Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 09:53 18:24

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

LAB FILE ID:		CF 1000 = <u>PO113003.D</u>		CF 750 = <u>PO113004.D</u>			
CF 500 = <u>PO113005.D</u>		CF 250 = <u>PO113006.D</u>		CF 050 = <u>PO113007.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	157648421	166338757	175029528	179513524	174338440	5
Aroclor-1016-2	(2)	242743120	252380695	260324992	267711416	265120000	4
Aroclor-1016-3	(3)	126993760	133087225	138404134	144167804	155418980	8
Aroclor-1016-4	(4)	100459724	106574292	112469896	119612944	144377780	15
Aroclor-1016-5	(5)	128106279	134710951	142286356	148407360	159139040	8
Aroclor-1260-1	(1)	228928107	240864928	252574738	272240464	280735880	8
Aroclor-1260-2	(2)	313918308	328124507	343910348	357024580	385581120	8
Aroclor-1260-3	(3)	262510074	276701705	293612640	313010736	341333940	10
Aroclor-1260-4	(4)	185941664	193924396	204255296	207408028	244718200	11
Aroclor-1260-5	(5)	425960236	439043723	465902736	470000160	541240260	10
Decachlorobiphenyl		1831064100	1917365987	1985856160	1994289280	1745675200	6
Tetrachloro-m-xylene		4916768960	5105759507	5187285900	5153639000	4939804600	2
Aroclor-1242-1	(1)	133881576	143118904	152394738	156445124	136681500	7
Aroclor-1242-2	(2)	203955870	217199904	228051544	234362648	200985900	7
Aroclor-1242-3	(3)	105689998	114133919	120912152	123685124	120400300	6
Aroclor-1242-4	(4)	101683397	110649877	117620438	123213288	135019900	11
Aroclor-1242-5	(5)	136091884	145976403	155166798	162502892	145926680	7
Decachlorobiphenyl		1868057120	1957140320	2005702880	2020794160	1772529000	5
Tetrachloro-m-xylene		4825813680	5071335853	5270165440	5270477280	4505798600	7
Aroclor-1248-1	(1)	108471143	113278465	116916398	117022156	101871080	6
Aroclor-1248-2	(2)	150794660	157713281	163410186	169101272	162475680	4
Aroclor-1248-3	(3)	159433549	166390719	173042032	176703836	172733300	4
Aroclor-1248-4	(4)	188271317	195815885	204890460	209017568	198105260	4
Aroclor-1248-5	(5)	194018440	203934763	211803632	222502412	229222700	7
Decachlorobiphenyl		1895882940	1980749933	2008729920	2044623040	1730989400	6
Tetrachloro-m-xylene		5046994300	5155202453	5203435340	5076525520	4220137200	8
Aroclor-1254-1	(1)	288848558	302797836	311612874	336218560	337291100	7
Aroclor-1254-2	(2)	255015428	266176108	276603524	303614928	300286060	8
Aroclor-1254-3	(3)	394658183	407977155	416043550	446405672	419527560	5
Aroclor-1254-4	(4)	258230294	268632580	273598908	289141772	284574380	5
Aroclor-1254-5	(5)	325480526	337925896	351521312	371760832	400764340	8
Decachlorobiphenyl		1855582740	1926836507	1973181280	2039405120	1846968600	4
Tetrachloro-m-xylene		4911279290	5066835907	5059128600	5241425160	4670568800	4
Aroclor-1268-1	(1)	505322959	499938980	529404120	551503232	461152840	7



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	411828393	408615411	431678690	446034816	378854460	415402354	6
Aroclor-1268-3	(3)	321714437	321009472	339466898	353051976	297302600	326509077	6
Aroclor-1268-4	(4)	120303152	122244828	123085728	129780148	106749080	120432587	7
Aroclor-1268-5	(5)	793658604	796742752	812678858	835111136	666596880	780957646	8
Decachlorobiphenyl		3468678600	3498241200	3592049560	3737387920	2992120000	3457695456	8
Tetrachloro-m-xylene		5091723140	5143743093	5120936720	5368398520	4128952800	4970750855	10



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ALLI03

Lab Code: ACE SDG NO.: Q3015

Instrument ID: ECD_O Date(s) Analyzed: 08/18/2025 08/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.87	3.77	3.97	93573200
		2	3.96	3.86	4.06	67550600
		3	4.04	3.94	4.14	221352000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	174006000
		2	4.53	4.43	4.63	99852400
		3	4.77	4.67	4.87	189475000
		4	4.94	4.84	5.04	94169600
		5	4.99	4.89	5.09	61943000
Aroclor-1262	500	1	6.79	6.69	6.89	915764000
		2	7.29	7.19	7.39	1512160000
		3	7.58	7.48	7.68	554108000
		4	7.64	7.54	7.74	977968000
		5	8.14	8.04	8.24	416878000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
Instrument ID: ECD_O **Date(s) Analyzed:** 08/18/2025 08/18/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	63121200
		2	3.95	3.85	4.05	46673200
		3	4.02	3.92	4.12	148475000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	117403000
		2	4.75	4.65	4.85	122545000
		3	4.92	4.82	5.02	63345600
		4	5.01	4.91	5.11	56221200
		5	5.18	5.08	5.28	59863600
Aroclor-1262	500	1	6.76	6.66	6.86	414614000
		2	7.26	7.16	7.36	517670000
		3	7.54	7.44	7.64	179590000
		4	7.60	7.50	7.70	289902000
		5	8.09	7.99	8.19	108331000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 09:53
 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: Aug 18 10:58:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Aug 18 10:55:18 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...	3.663	3.655	803.0E6	491.7E6	97.501	97.323
2) SA Decachlor...	8.682	8.628	669.0E6	183.1E6	96.739	95.945
Target Compounds						
3) L1 AR-1016-1	4.748	4.729	255.4E6	157.6E6	961.297	947.754
4) L1 AR-1016-2	4.767	4.747	386.6E6	242.7E6	963.187	965.051
5) L1 AR-1016-3	4.823	4.922	240.7E6	127.0E6	961.204	957.007
6) L1 AR-1016-4	4.943	4.964	200.5E6	100.5E6	959.539	943.596
7) L1 AR-1016-5	5.200	5.176	201.8E6	128.1E6	948.361	947.557
31) L7 AR-1260-1	6.236	6.204	410.4E6	228.9E6	955.842	950.890
32) L7 AR-1260-2	6.425	6.393	647.9E6	313.9E6	965.242	954.408
33) L7 AR-1260-3	6.792	6.544	589.7E6	262.5E6	956.817	944.072
34) L7 AR-1260-4	7.050	7.013	414.1E6	185.9E6	955.502	953.066
35) L7 AR-1260-5	7.294	7.255	1160.2E6	426.0E6	967.280	955.215

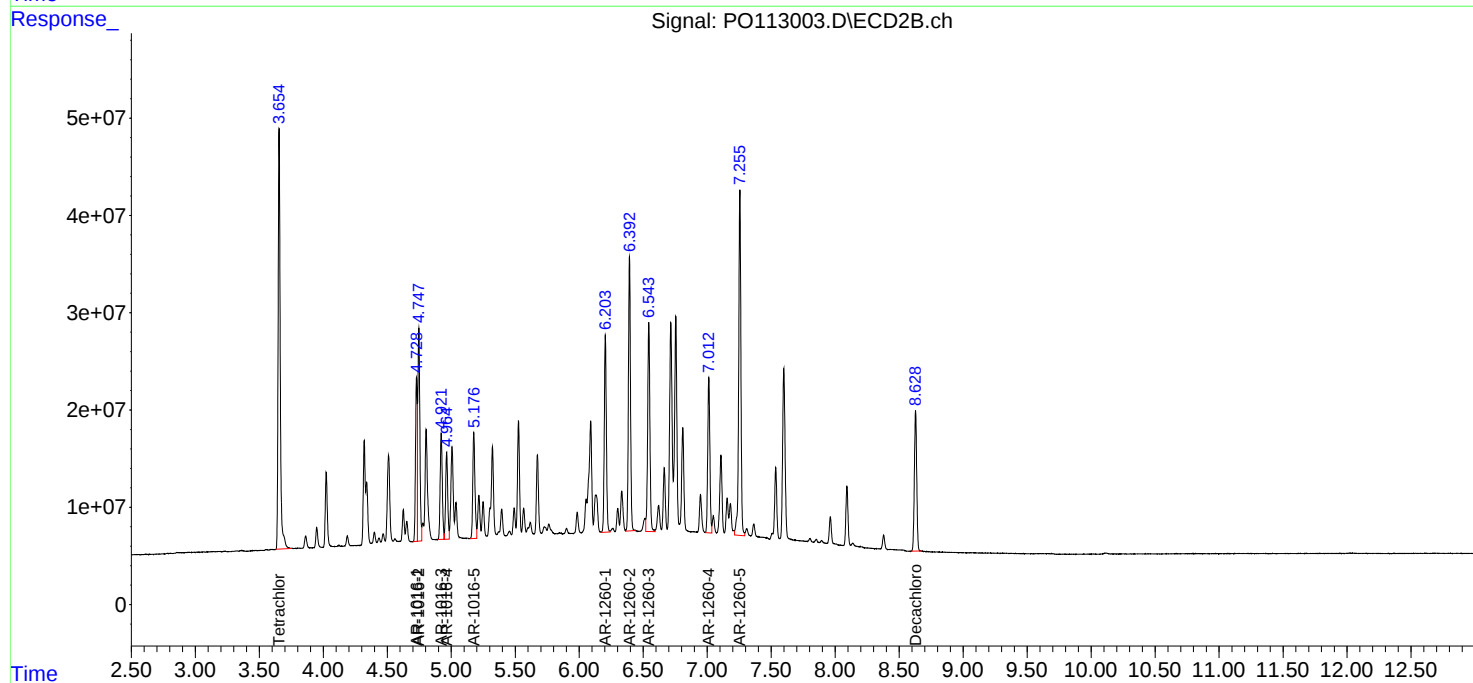
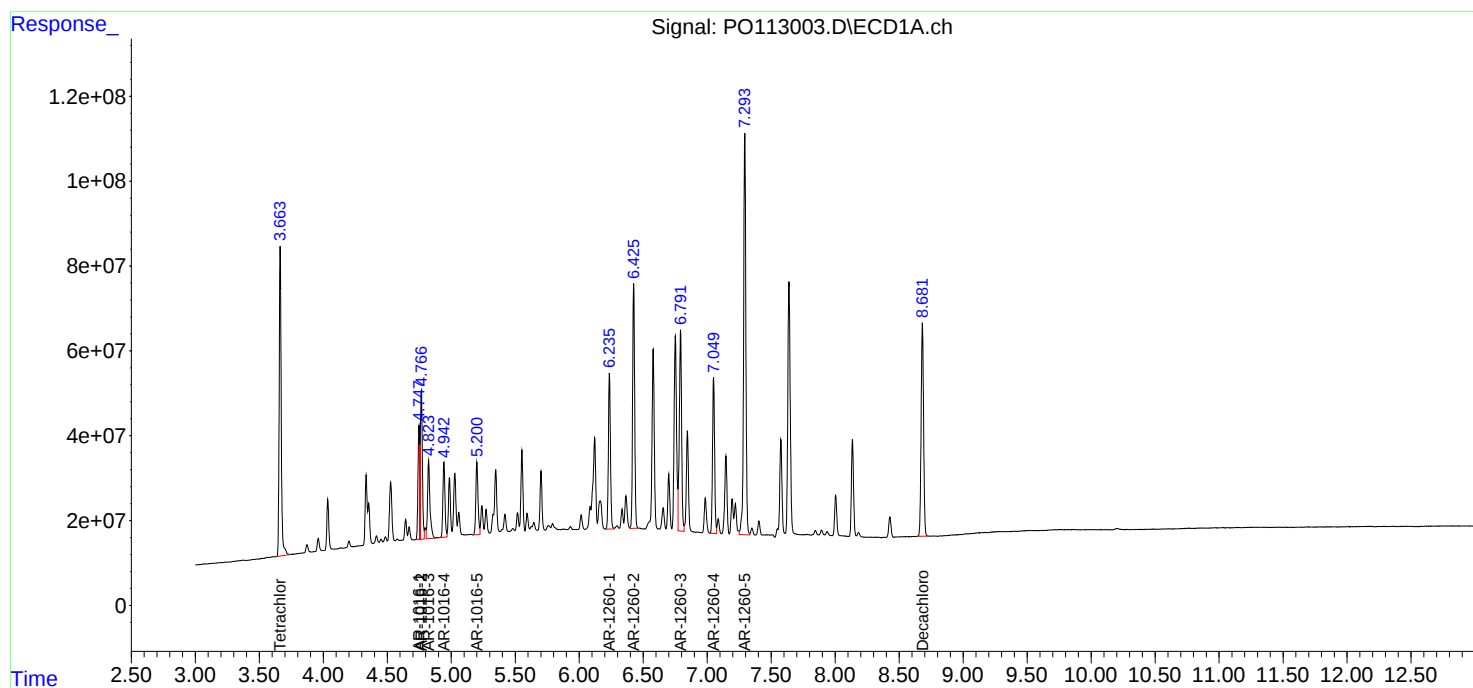
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

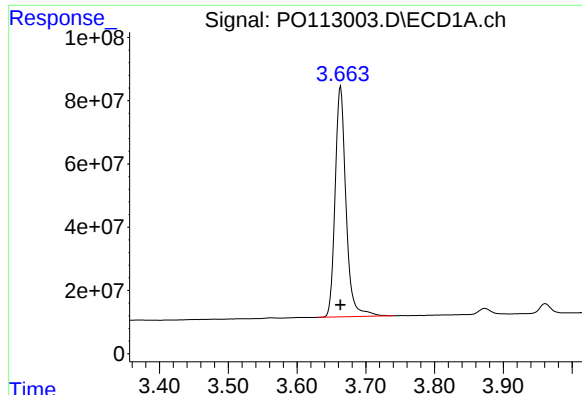
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 09:53
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 10:58:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 18 10:55:18 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

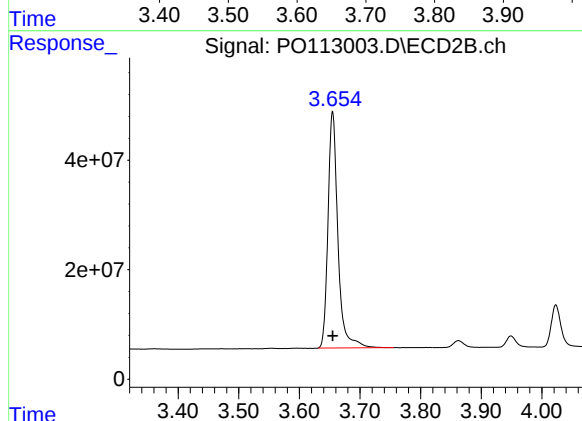




#1 Tetrachloro-m-xylene

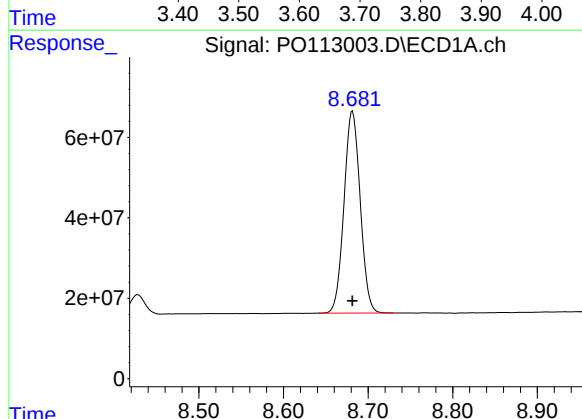
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 802967434
Conc: 97.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



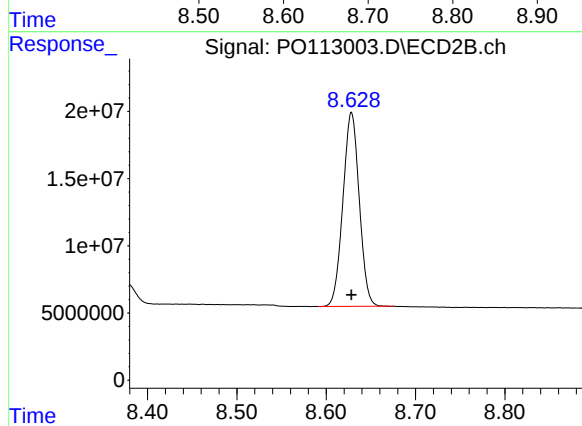
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 491676896
Conc: 97.32 ng/ml



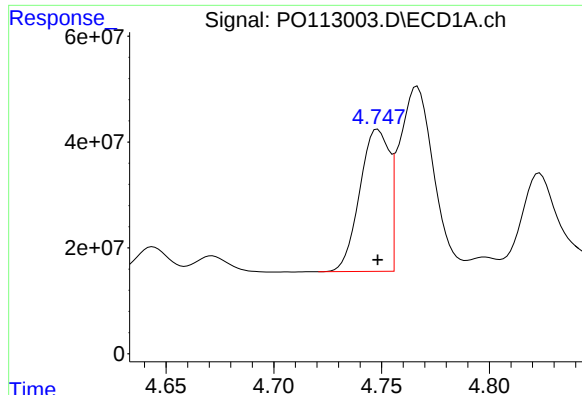
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 669021269
Conc: 96.74 ng/ml



#2 Decachlorobiphenyl

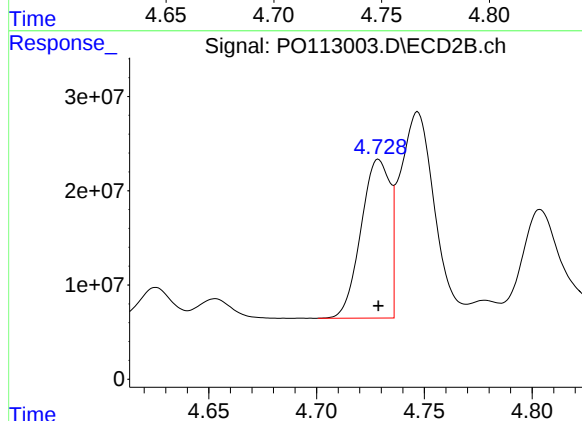
R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 183106410
Conc: 95.94 ng/ml



#3 AR-1016-1

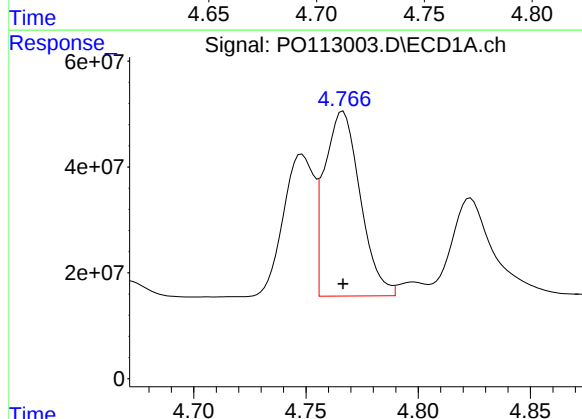
R.T.: 4.748 min
Delta R.T.: 0.000 min
Response: 255371052
Conc: 961.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



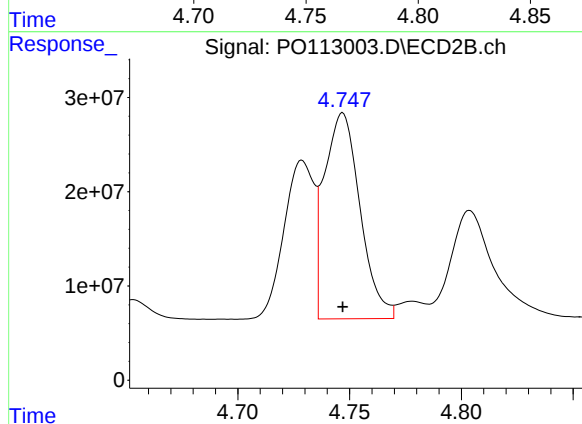
#3 AR-1016-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 157648421
Conc: 947.75 ng/ml



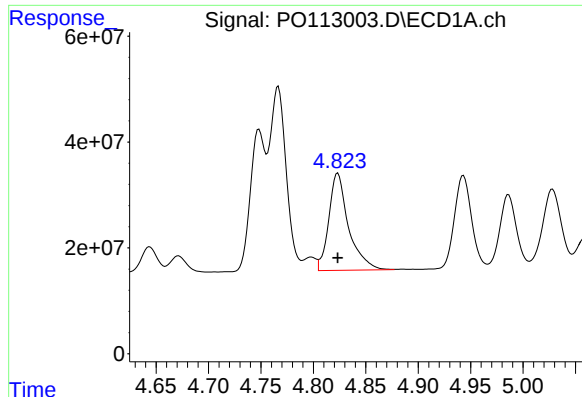
#4 AR-1016-2

R.T.: 4.767 min
Delta R.T.: 0.000 min
Response: 386597005
Conc: 963.19 ng/ml



#4 AR-1016-2

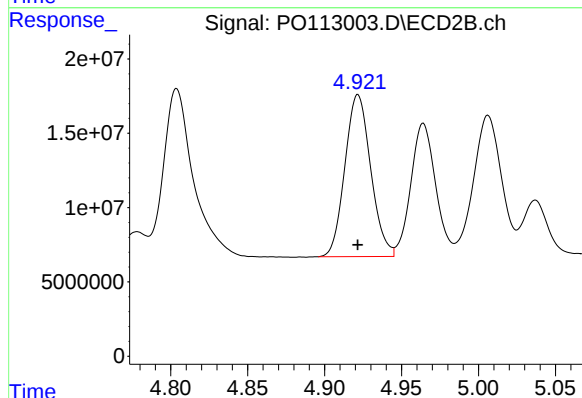
R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 242743120
Conc: 965.05 ng/ml



#5 AR-1016-3

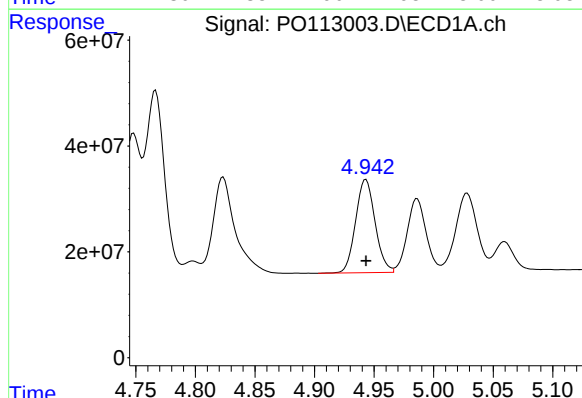
R.T.: 4.823 min
Delta R.T.: 0.000 min
Response: 240674907
Conc: 961.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



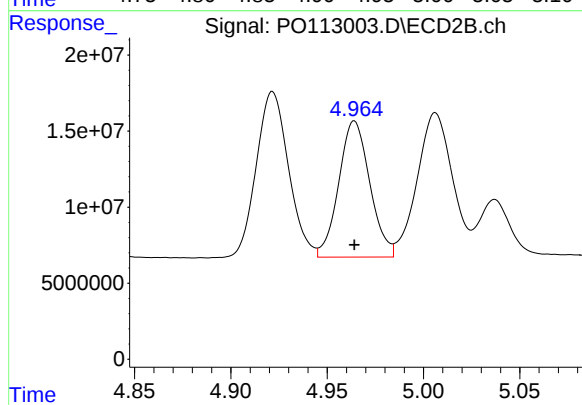
#5 AR-1016-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 126993760
Conc: 957.01 ng/ml



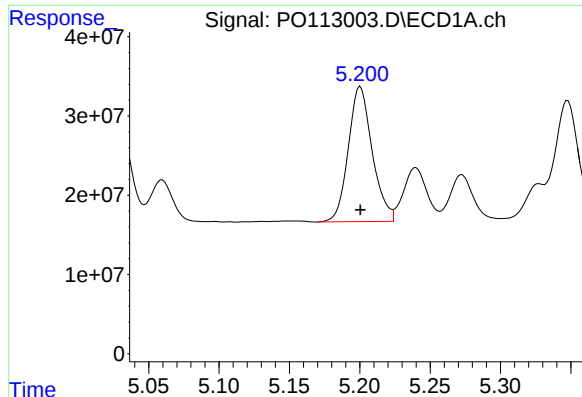
#6 AR-1016-4

R.T.: 4.943 min
Delta R.T.: 0.000 min
Response: 200488933
Conc: 959.54 ng/ml



#6 AR-1016-4

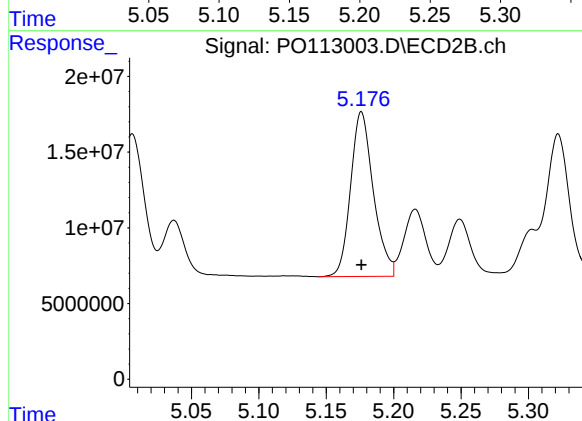
R.T.: 4.964 min
Delta R.T.: 0.000 min
Response: 100459724
Conc: 943.60 ng/ml



#7 AR-1016-5

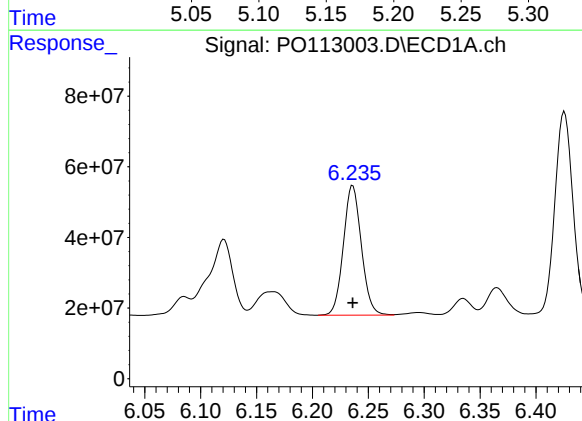
R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 201770173
Conc: 948.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



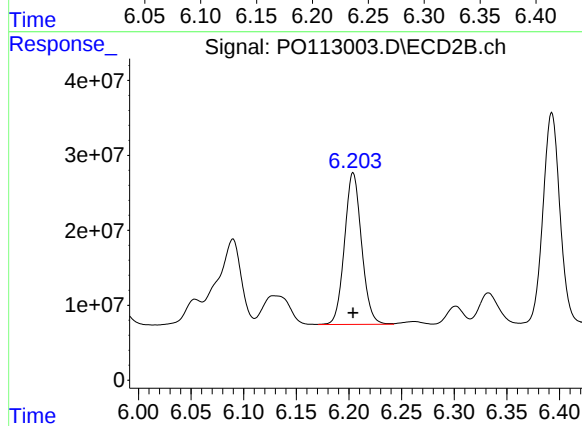
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 128106279
Conc: 947.56 ng/ml



#31 AR-1260-1

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 410428218
Conc: 955.84 ng/ml



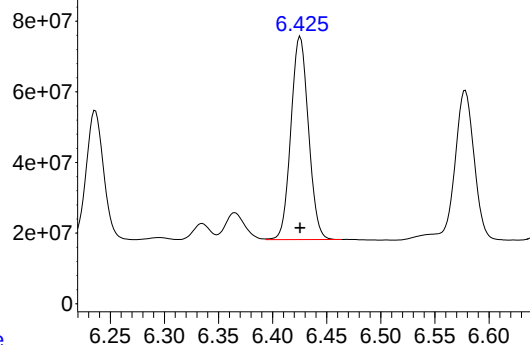
#31 AR-1260-1

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 228928107
Conc: 950.89 ng/ml

Response_

Signal: PO113003.D\ECD1A.ch

#32 AR-1260-2



R.T.: 6.425 min
Delta R.T.: 0.000 min
Response: 647927331
Conc: 965.24 ng/ml

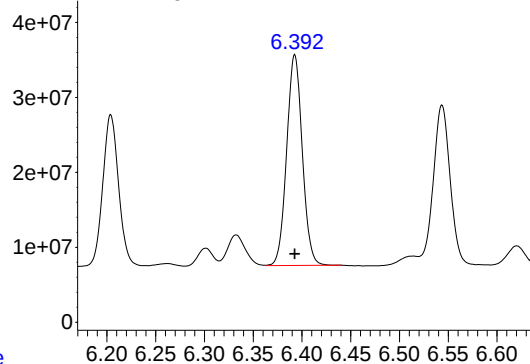
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Time

Response_

Signal: PO113003.D\ECD2B.ch

#32 AR-1260-2



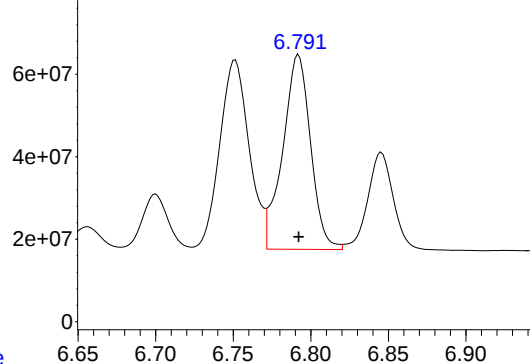
R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 313918308
Conc: 954.41 ng/ml

Time

Response_

Signal: PO113003.D\ECD1A.ch

#33 AR-1260-3



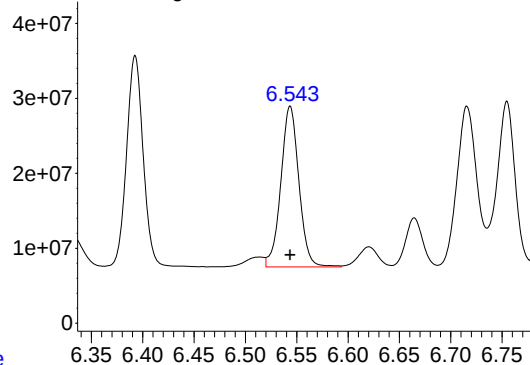
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 589701211
Conc: 956.82 ng/ml

Time

Response_

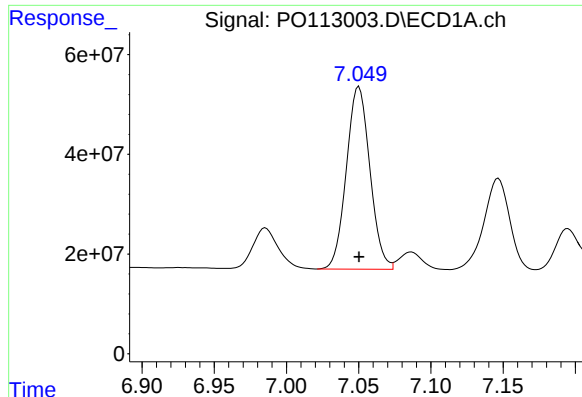
Signal: PO113003.D\ECD2B.ch

#33 AR-1260-3



R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 262510074
Conc: 944.07 ng/ml

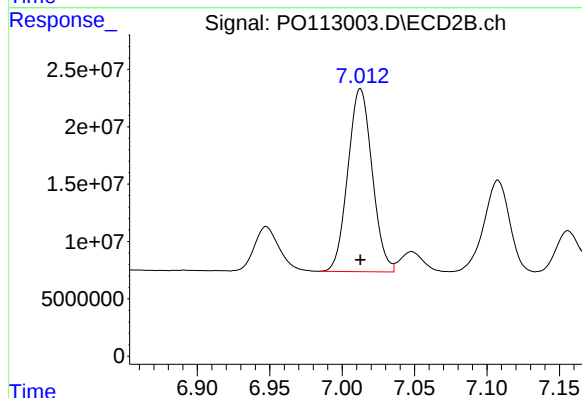
Time



#34 AR-1260-4

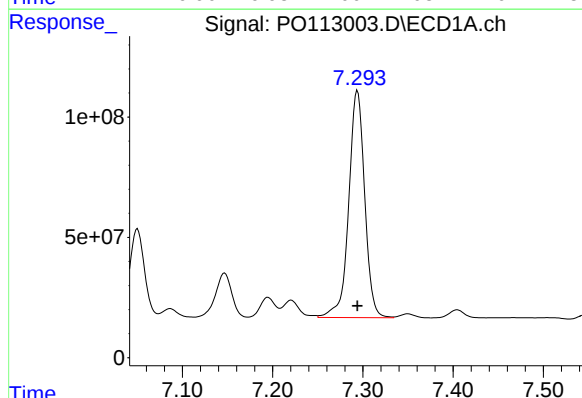
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 414110693
Conc: 955.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



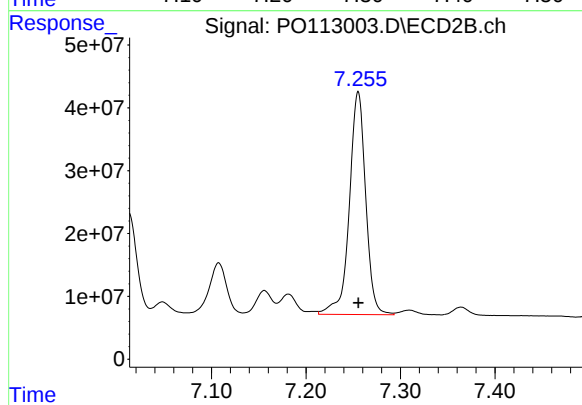
#34 AR-1260-4

R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 185941664
Conc: 953.07 ng/ml



#35 AR-1260-5

R.T.: 7.294 min
Delta R.T.: 0.000 min
Response: 1160238835
Conc: 967.28 ng/ml



#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: 0.000 min
Response: 425960236
Conc: 955.21 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 10:11
 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: Aug 18 11:02:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Aug 18 10:55:18 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...	3.663	3.655	626.3E6	382.9E6	75.694	75.530
2) SA Decachlor...	8.682	8.629	517.9E6	143.8E6	74.922	75.233
Target Compounds						
3) L1 AR-1016-1	4.747	4.729	201.7E6	124.8E6	756.055	749.999
4) L1 AR-1016-2	4.766	4.747	305.6E6	189.3E6	757.527	751.681
5) L1 AR-1016-3	4.823	4.922	190.0E6	99815419	755.880	751.462
6) L1 AR-1016-4	4.942	4.965	158.3E6	79930719	754.951	750.514
7) L1 AR-1016-5	5.199	5.177	157.5E6	101.0E6	743.444	748.203
31) L7 AR-1260-1	6.236	6.204	320.9E6	180.6E6	748.259	750.236
32) L7 AR-1260-2	6.426	6.393	503.8E6	246.1E6	750.386	748.798
33) L7 AR-1260-3	6.792	6.544	462.8E6	207.5E6	750.607	747.551
34) L7 AR-1260-4	7.050	7.014	327.1E6	145.4E6	753.206	746.985
35) L7 AR-1260-5	7.294	7.255	900.1E6	329.3E6	750.262	742.237

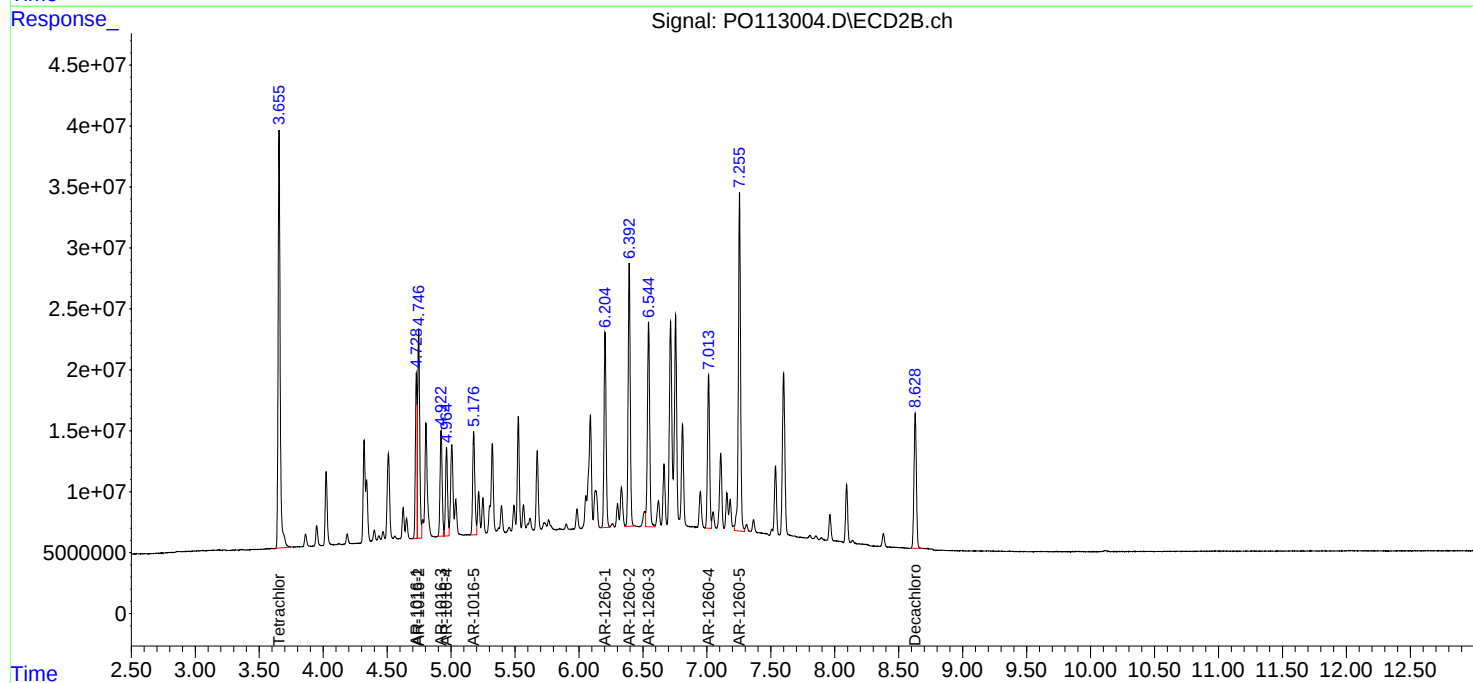
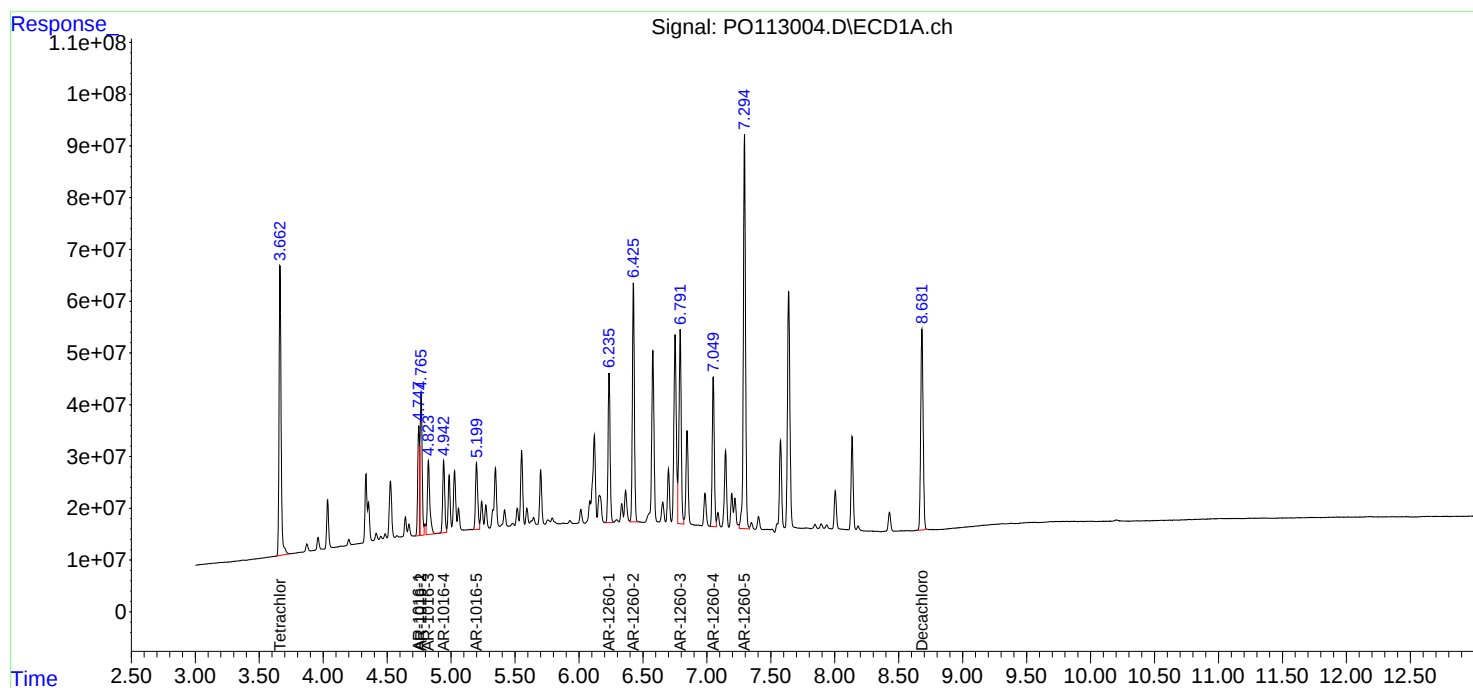
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

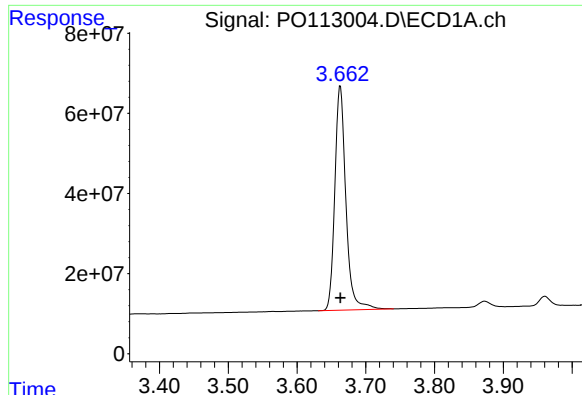
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:11
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 11:02:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 18 10:55:18 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

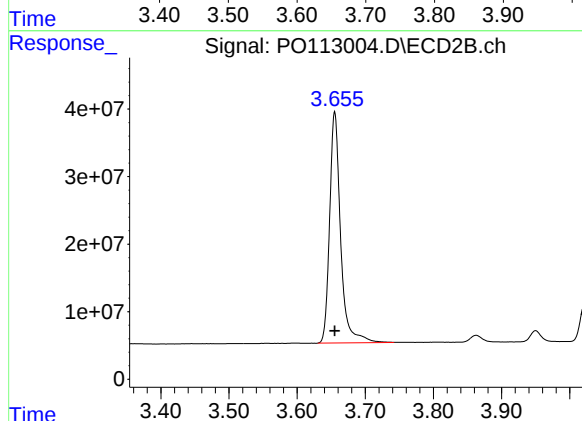




#1 Tetrachloro-m-xylene

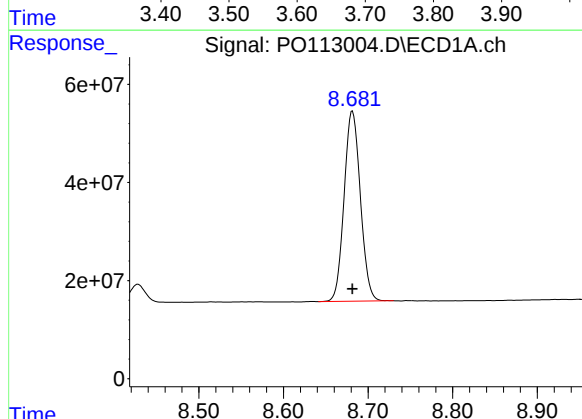
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 626277740
Conc: 75.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



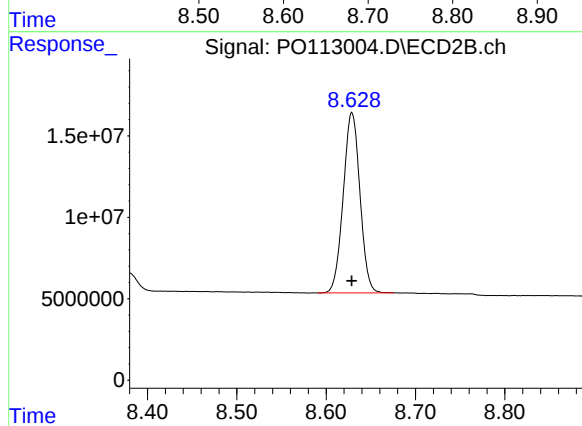
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 382931963
Conc: 75.53 ng/ml



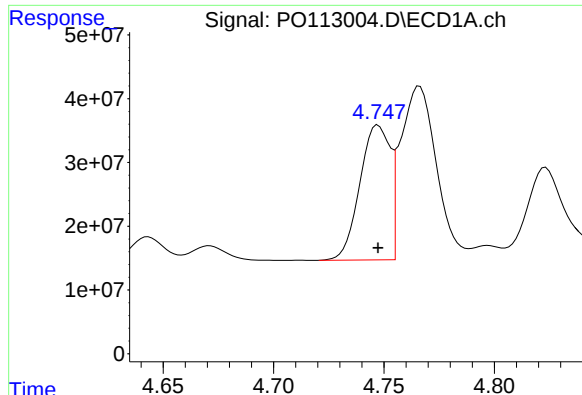
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 517877053
Conc: 74.92 ng/ml



#2 Decachlorobiphenyl

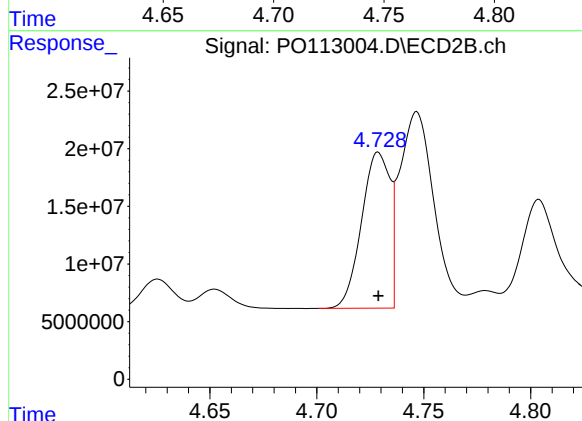
R.T.: 8.629 min
Delta R.T.: 0.000 min
Response: 143802449
Conc: 75.23 ng/ml



#3 AR-1016-1

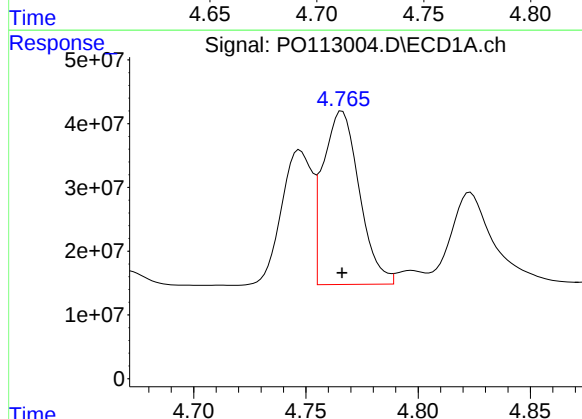
R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 201661921
Conc: 756.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



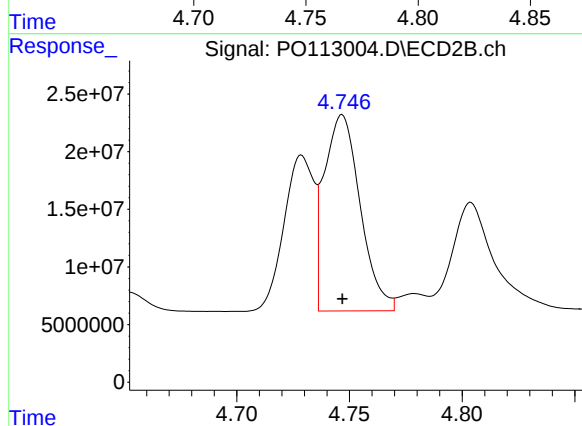
#3 AR-1016-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 124754068
Conc: 750.00 ng/ml



#4 AR-1016-2

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 305583960
Conc: 757.53 ng/ml



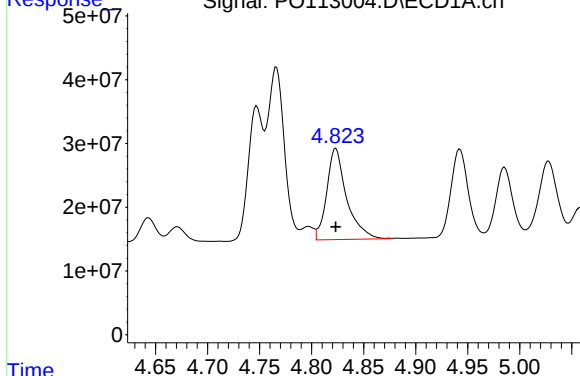
#4 AR-1016-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 189285521
Conc: 751.68 ng/ml

Response

Signal: PO113004.D\ECD1A.ch

#5 AR-1016-3



R.T.: 4.823 min
Delta R.T.: 0.000 min
Response: 190009014
Conc: 755.88 ng/ml

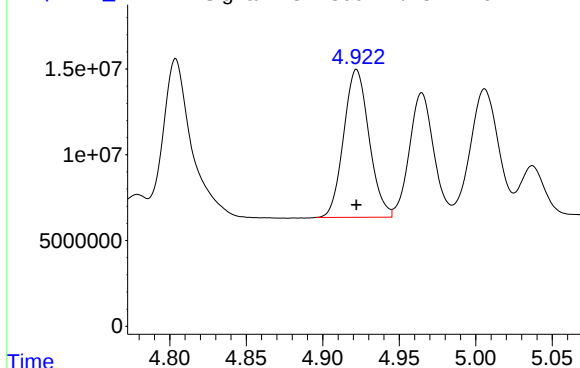
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response_

Signal: PO113004.D\ECD2B.ch

#5 AR-1016-3



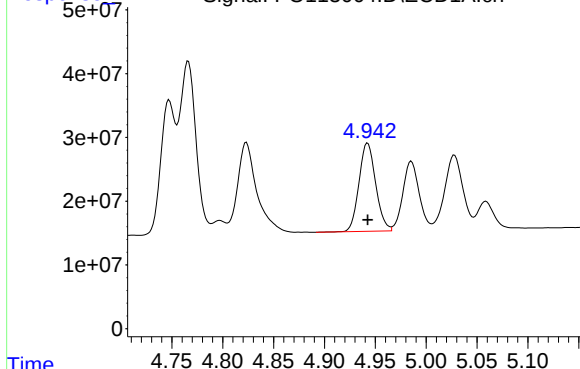
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 99815419
Conc: 751.46 ng/ml

Time

Response

Signal: PO113004.D\ECD1A.ch

#6 AR-1016-4



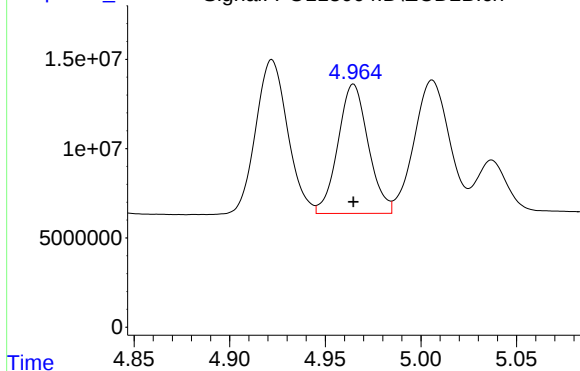
R.T.: 4.942 min
Delta R.T.: 0.000 min
Response: 158264066
Conc: 754.95 ng/ml

Time

Response_

Signal: PO113004.D\ECD2B.ch

#6 AR-1016-4



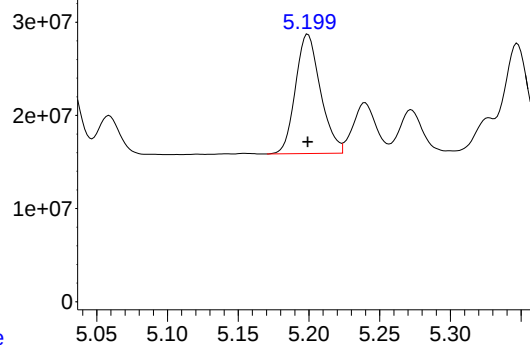
R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 79930719
Conc: 750.51 ng/ml

Time

Response_

Signal: PO113004.D\ECD1A.ch

#7 AR-1016-5



R.T.: 5.199 min
Delta R.T.: 0.000 min
Response: 157484431
Conc: 743.44 ng/ml

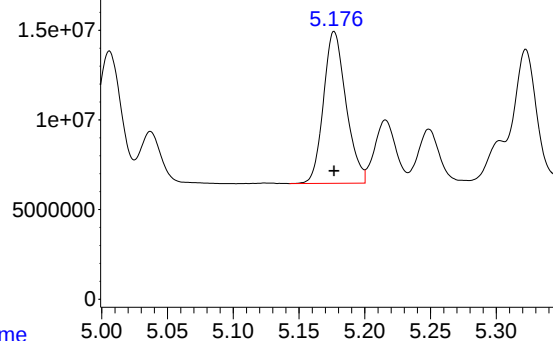
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response_

Signal: PO113004.D\ECD2B.ch

#7 AR-1016-5



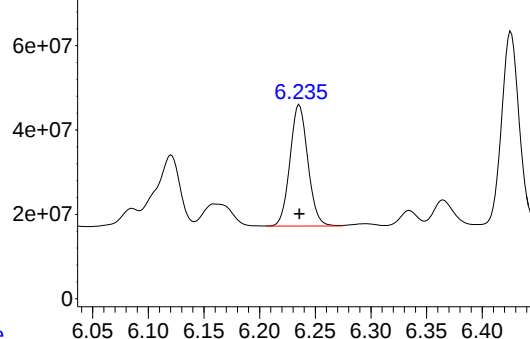
R.T.: 5.177 min
Delta R.T.: 0.000 min
Response: 101033213
Conc: 748.20 ng/ml

Time

Response_

Signal: PO113004.D\ECD1A.ch

#31 AR-1260-1



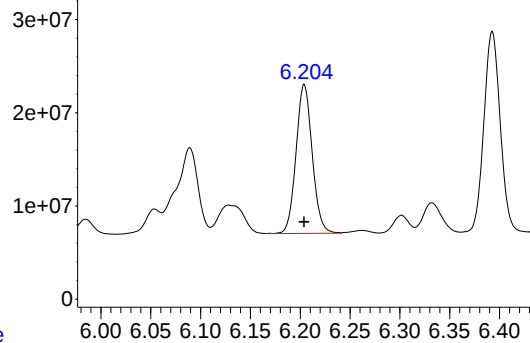
R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 320921838
Conc: 748.26 ng/ml

Time

Response_

Signal: PO113004.D\ECD2B.ch

#31 AR-1260-1



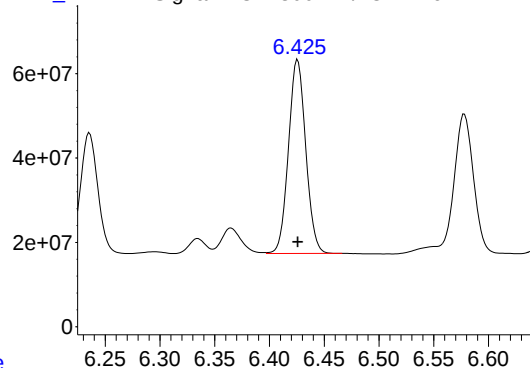
R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 180648696
Conc: 750.24 ng/ml

Time

Response_

Signal: PO113004.D\ECD1A.ch

#32 AR-1260-2



R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 503833307
Conc: 750.39 ng/ml

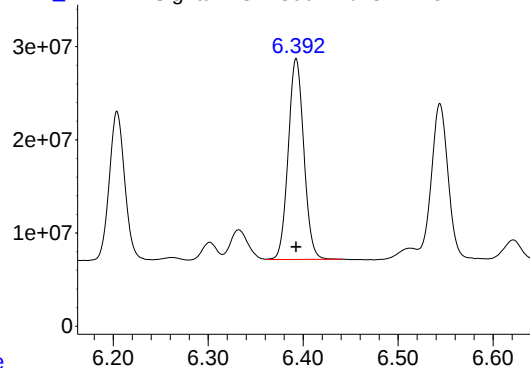
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response_

Signal: PO113004.D\ECD2B.ch

#32 AR-1260-2



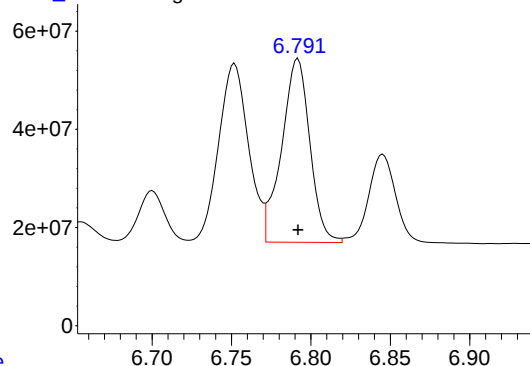
R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 246093380
Conc: 748.80 ng/ml

Time

Response_

Signal: PO113004.D\ECD1A.ch

#33 AR-1260-3



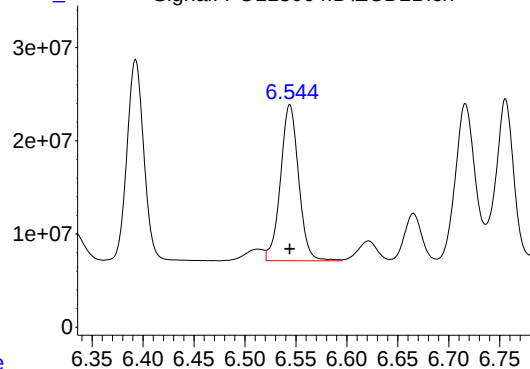
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 462798004
Conc: 750.61 ng/ml

Time

Response_

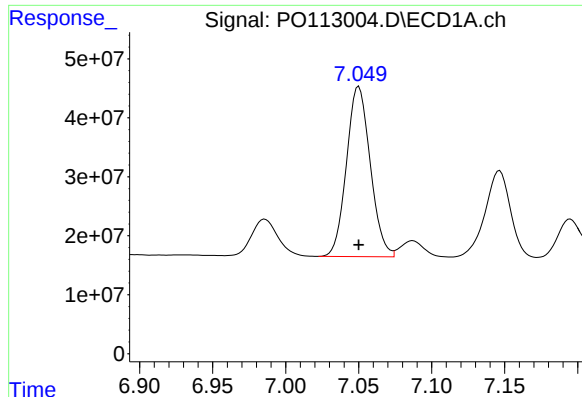
Signal: PO113004.D\ECD2B.ch

#33 AR-1260-3



R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 207526279
Conc: 747.55 ng/ml

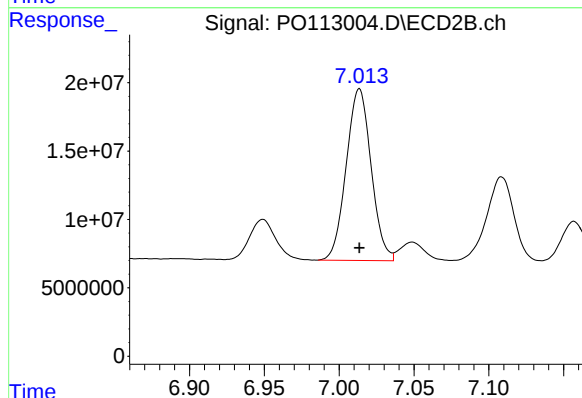
Time



#34 AR-1260-4

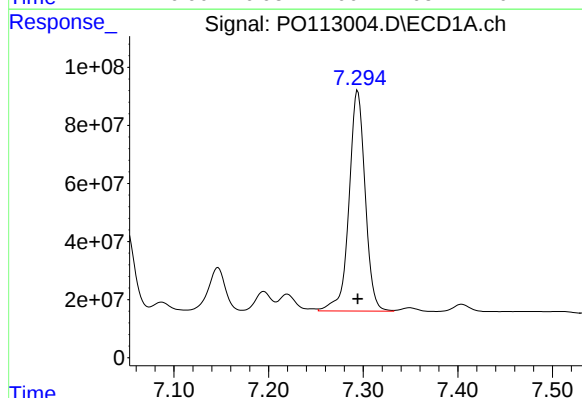
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 327135343
Conc: 753.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



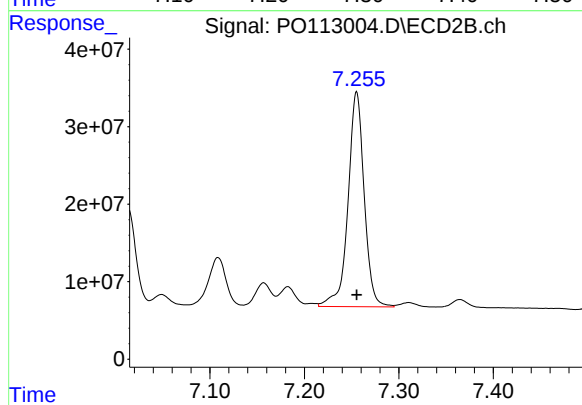
#34 AR-1260-4

R.T.: 7.014 min
Delta R.T.: 0.000 min
Response: 145443297
Conc: 746.99 ng/ml



#35 AR-1260-5

R.T.: 7.294 min
Delta R.T.: 0.000 min
Response: 900086494
Conc: 750.26 ng/ml



#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: 0.000 min
Response: 329282792
Conc: 742.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 10:29
 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: Aug 18 10:55:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Aug 18 10:55:18 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...	3.663	3.655	422.1E6	259.4E6	50.000	50.000
2)	SA Decachlor...	8.682	8.628	357.1E6	99292808	50.000	50.000
Target Compounds							
3)	L1 AR-1016-1	4.748	4.729	138.0E6	87514764	500.000	500.000
4)	L1 AR-1016-2	4.766	4.747	208.1E6	130.2E6	500.000	500.000
5)	L1 AR-1016-3	4.824	4.922	130.1E6	69202067	500.000	500.000
6)	L1 AR-1016-4	4.943	4.964	108.7E6	56234948	500.000	500.000
7)	L1 AR-1016-5	5.199	5.176	111.9E6	71143178	500.000	500.000
31)	L7 AR-1260-1	6.236	6.204	224.2E6	126.3E6	500.000	500.000
32)	L7 AR-1260-2	6.426	6.392	347.3E6	172.0E6	500.000	500.000
33)	L7 AR-1260-3	6.791	6.543	321.5E6	146.8E6	500.000	500.000
34)	L7 AR-1260-4	7.051	7.012	226.3E6	102.1E6	500.000	500.000
35)	L7 AR-1260-5	7.294	7.255	619.4E6	233.0E6	500.000	500.000

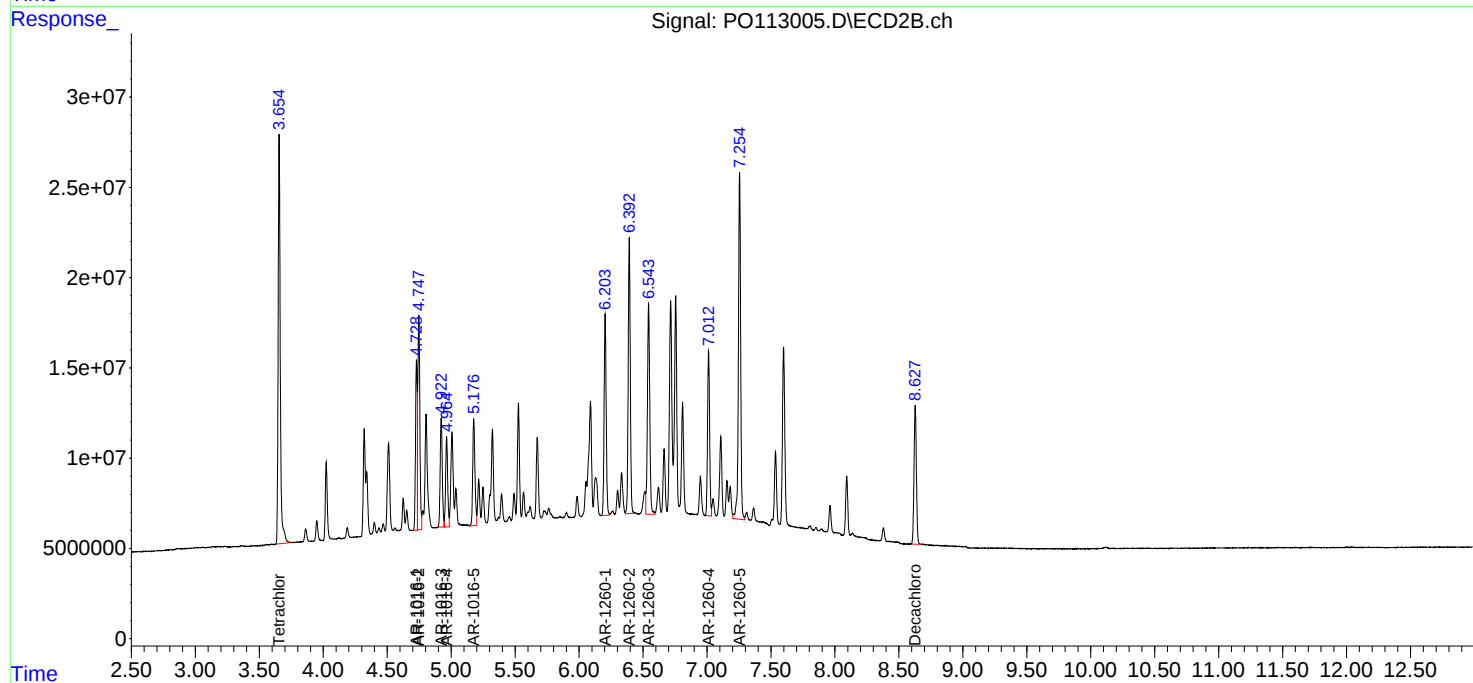
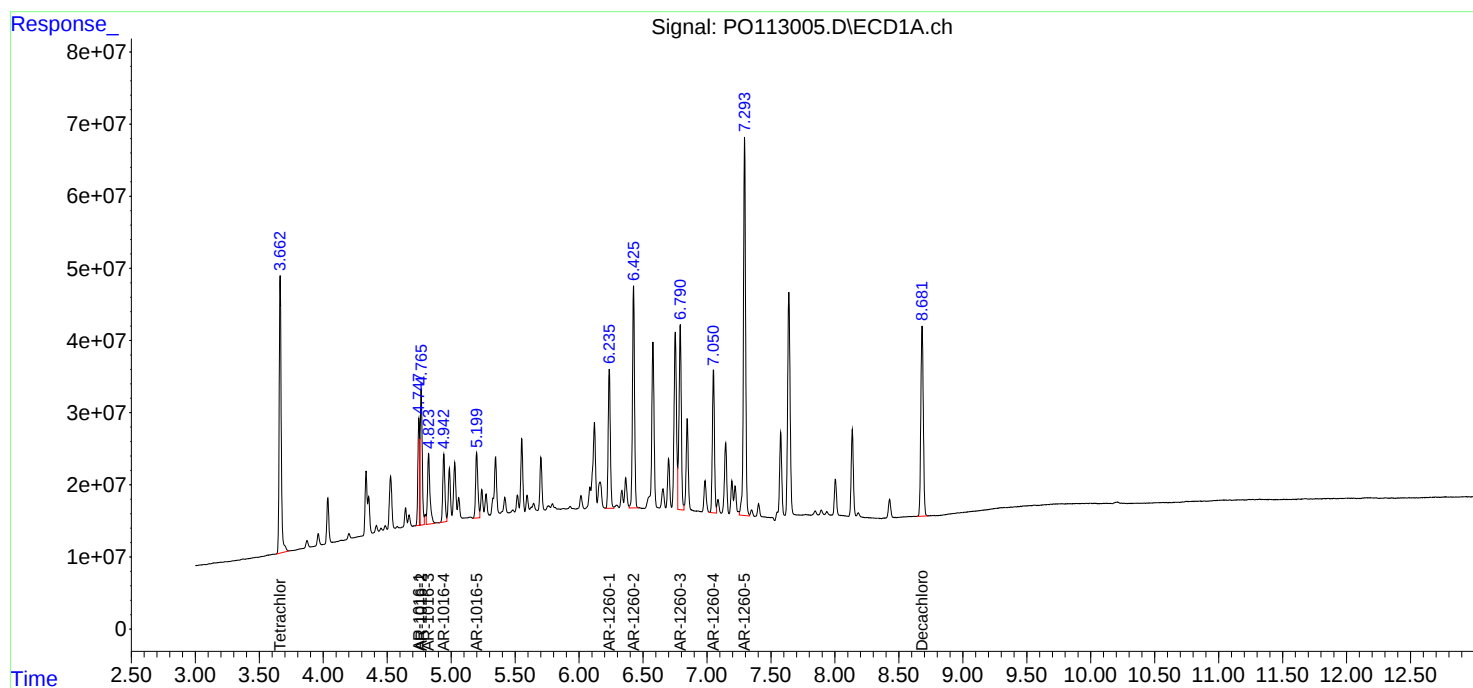
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

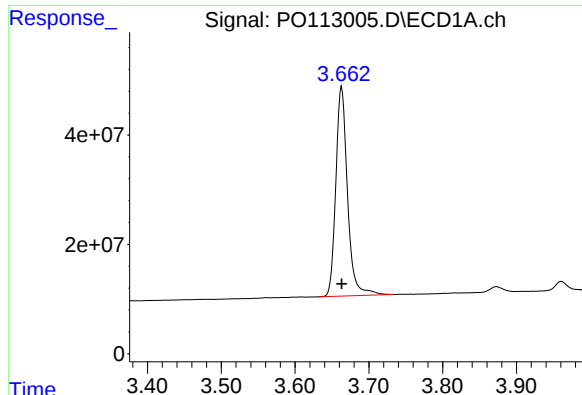
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:29
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 10:55:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 18 10:55:18 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

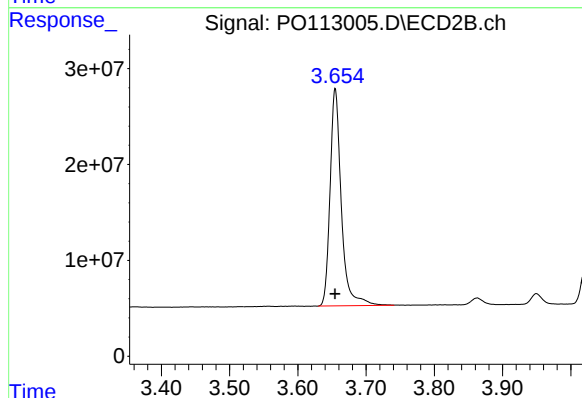




#1 Tetrachloro-m-xylene

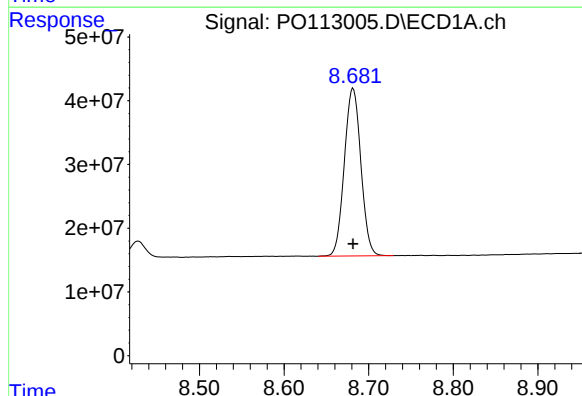
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 422061925
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



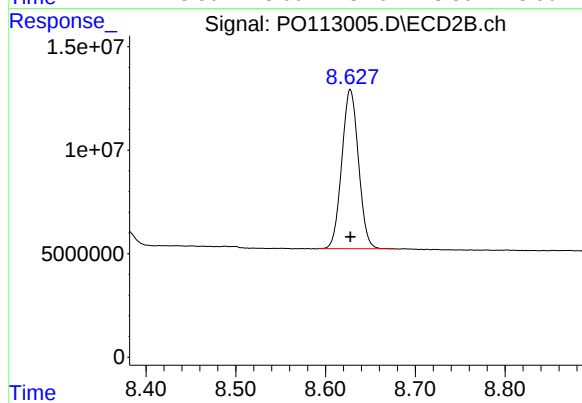
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 259364295
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 357065982
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 99292808
Conc: 50.00 ng/ml

Response_

Signal: PO113005.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.748 min

Delta R.T.: 0.000 min

Response: 137967020

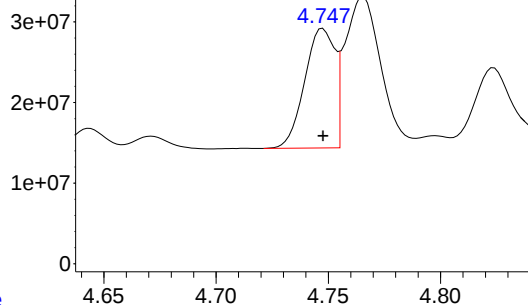
Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1660ICC500



Time

Response_

Signal: PO113005.D\ECD2B.ch

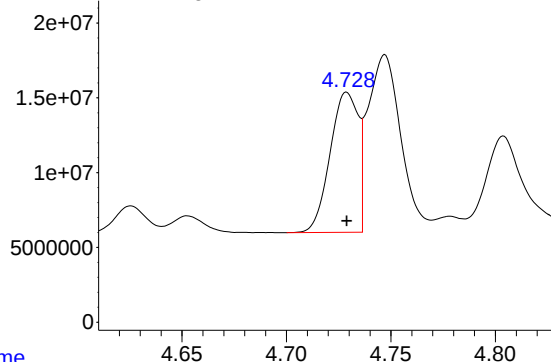
#3 AR-1016-1

R.T.: 4.729 min

Delta R.T.: 0.000 min

Response: 87514764

Conc: 500.00 ng/ml



Time

Response_

Signal: PO113005.D\ECD1A.ch

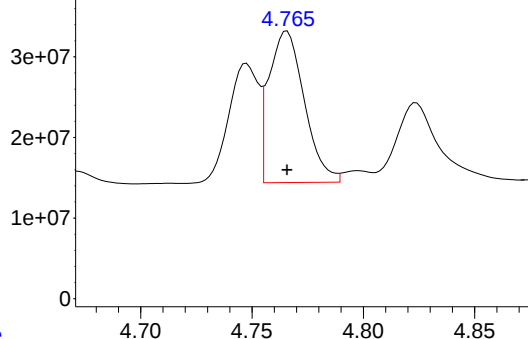
#4 AR-1016-2

R.T.: 4.766 min

Delta R.T.: 0.000 min

Response: 208074339

Conc: 500.00 ng/ml



Time

Response_

Signal: PO113005.D\ECD2B.ch

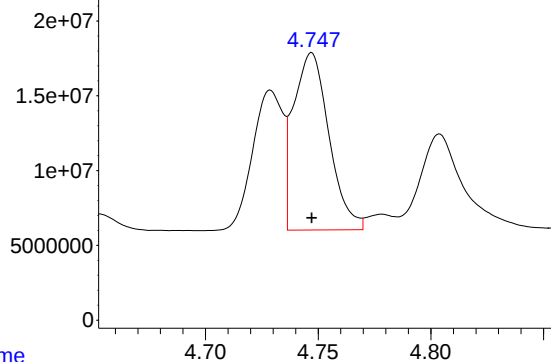
#4 AR-1016-2

R.T.: 4.747 min

Delta R.T.: 0.000 min

Response: 130162496

Conc: 500.00 ng/ml



Time

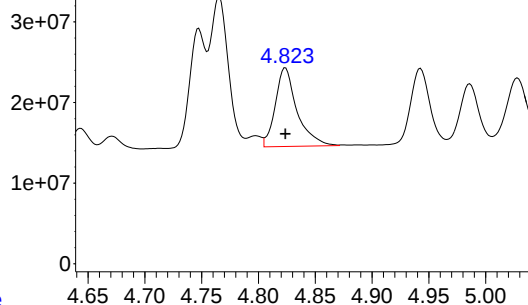
Response_

Signal: PO113005.D\ECD1A.ch

#5 AR-1016-3

R.T.: 4.824 min
Delta R.T.: 0.000 min
Response: 130051648
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



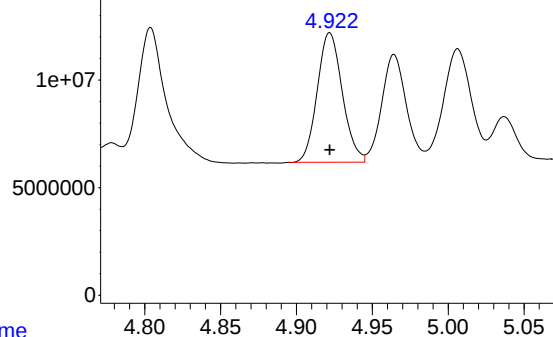
Time

Response_

Signal: PO113005.D\ECD2B.ch

#5 AR-1016-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 69202067
Conc: 500.00 ng/ml



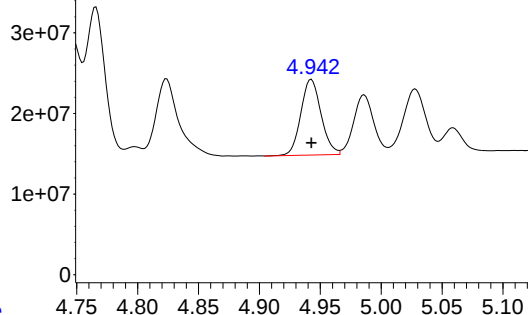
Time

Response_

Signal: PO113005.D\ECD1A.ch

#6 AR-1016-4

R.T.: 4.943 min
Delta R.T.: 0.000 min
Response: 108698420
Conc: 500.00 ng/ml



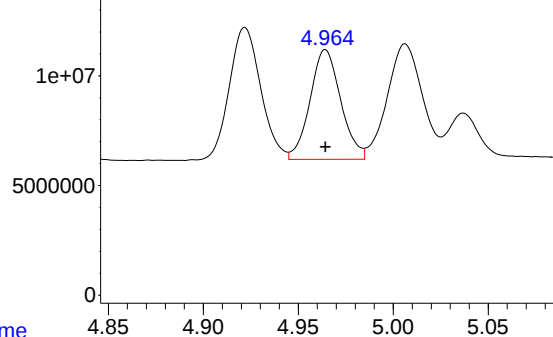
Time

Response_

Signal: PO113005.D\ECD2B.ch

#6 AR-1016-4

R.T.: 4.964 min
Delta R.T.: 0.000 min
Response: 56234948
Conc: 500.00 ng/ml

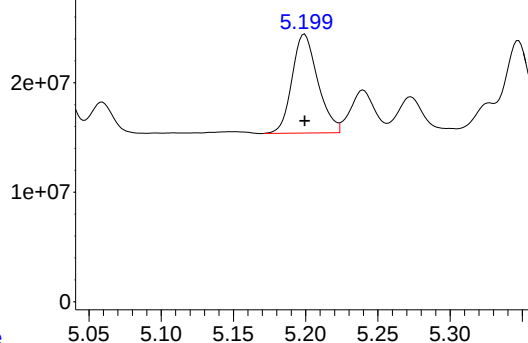


Time

Response_

Signal: PO113005.D\ECD1A.ch

#7 AR-1016-5



R.T.: 5.199 min
Delta R.T.: 0.000 min
Response: 111871666
Conc: 500.00 ng/ml

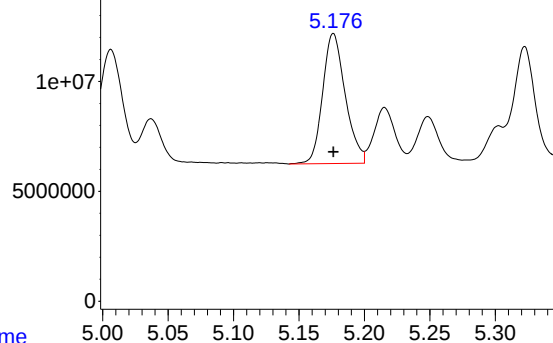
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Time

Response_

Signal: PO113005.D\ECD2B.ch

#7 AR-1016-5



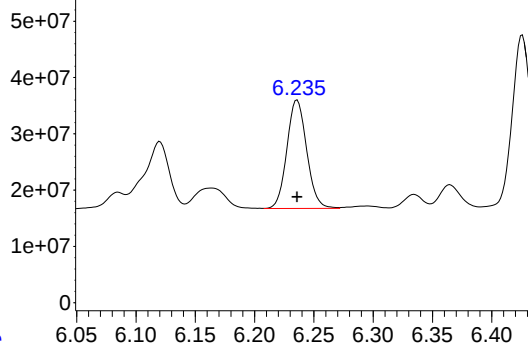
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 71143178
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113005.D\ECD1A.ch

#31 AR-1260-1



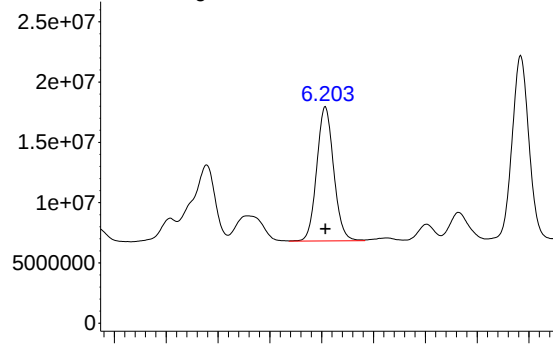
R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 224175211
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113005.D\ECD2B.ch

#31 AR-1260-1



R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 126287369
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113005.D\ECD1A.ch

#32 AR-1260-2

R.T.: 6.426 min

Delta R.T.: 0.000 min

Response: 347295628

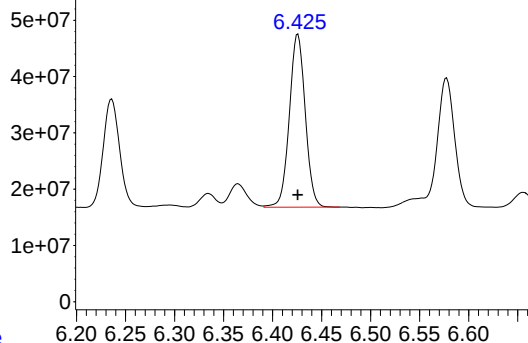
Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1660ICC500



Time 6.20 6.25 6.30 6.35 6.40 6.45 6.50 6.55 6.60

Response_

Signal: PO113005.D\ECD2B.ch

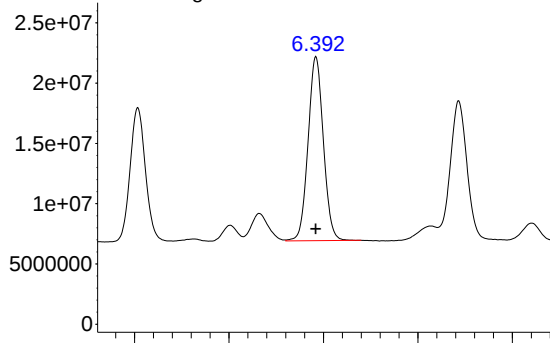
#32 AR-1260-2

R.T.: 6.392 min

Delta R.T.: 0.000 min

Response: 171955174

Conc: 500.00 ng/ml



Time 6.20 6.30 6.40 6.50 6.60

Response_

Signal: PO113005.D\ECD1A.ch

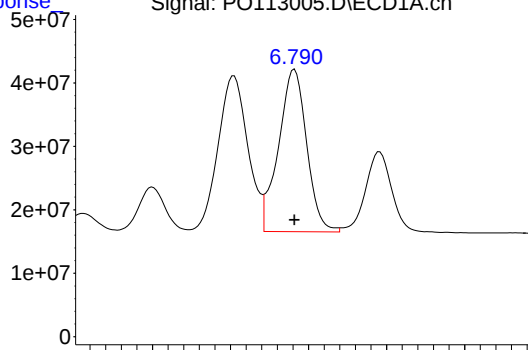
#33 AR-1260-3

R.T.: 6.791 min

Delta R.T.: 0.000 min

Response: 321464795

Conc: 500.00 ng/ml



Time 6.70 6.75 6.80 6.85 6.90

Response_

Signal: PO113005.D\ECD2B.ch

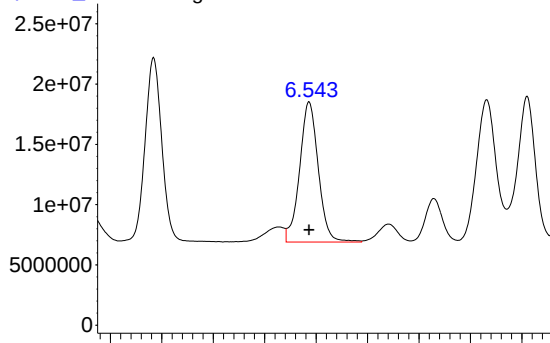
#33 AR-1260-3

R.T.: 6.543 min

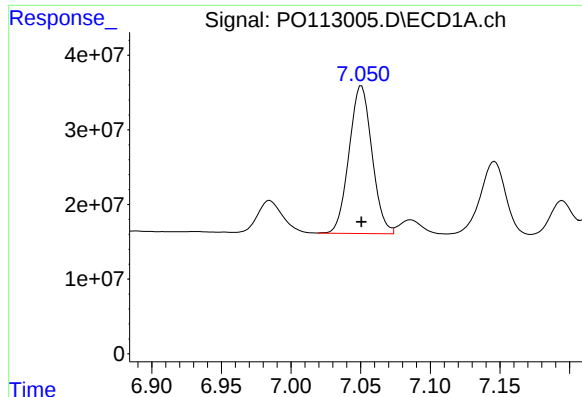
Delta R.T.: 0.000 min

Response: 146806320

Conc: 500.00 ng/ml



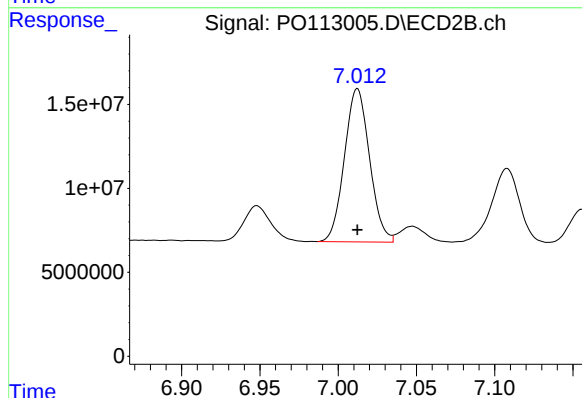
Time 6.35 6.40 6.45 6.50 6.55 6.60 6.65 6.70 6.75



#34 AR-1260-4

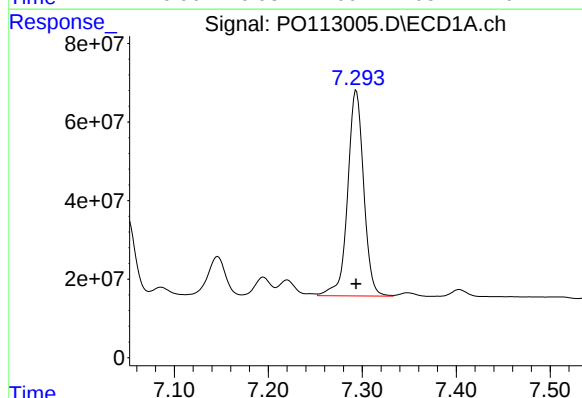
R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 226340656
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



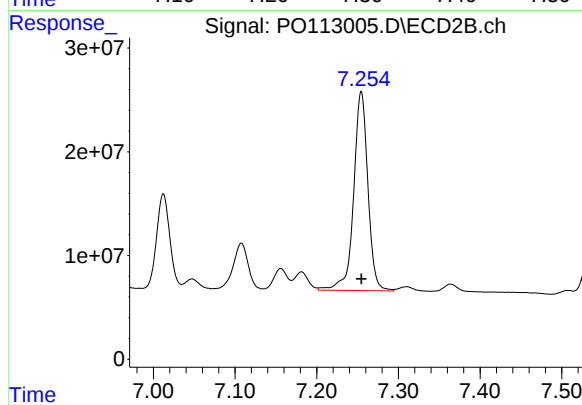
#34 AR-1260-4

R.T.: 7.012 min
Delta R.T.: 0.000 min
Response: 102127648
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.294 min
Delta R.T.: 0.000 min
Response: 619367124
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: 0.000 min
Response: 232951368
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 10:48
 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: Aug 18 11:05:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Aug 18 10:55:18 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...	3.663	3.655	209.3E6	128.8E6	25.219	25.308
2) SA Decachlor...	8.682	8.628	179.4E6	49857232	25.708	25.804
Target Compounds						
3) L1 AR-1016-1	4.748	4.729	69060319	44878381	256.628	264.562
4) L1 AR-1016-2	4.767	4.747	104.5E6	66927854	256.723	261.652
5) L1 AR-1016-3	4.824	4.922	65227510	36041951	257.046	265.672
6) L1 AR-1016-4	4.943	4.965	54611515	29903236	257.799	272.394
7) L1 AR-1016-5	5.200	5.176	56506595	37101840	262.358	268.120
31) L7 AR-1260-1	6.236	6.204	116.5E6	68060116	265.922	273.716
32) L7 AR-1260-2	6.426	6.392	179.5E6	89256145	262.801	265.845
33) L7 AR-1260-3	6.792	6.543	160.9E6	78252684	258.161	273.173
34) L7 AR-1260-4	7.051	7.013	118.8E6	51852007	267.279	262.035
35) L7 AR-1260-5	7.293	7.255	316.5E6	117.5E6	260.221	260.980

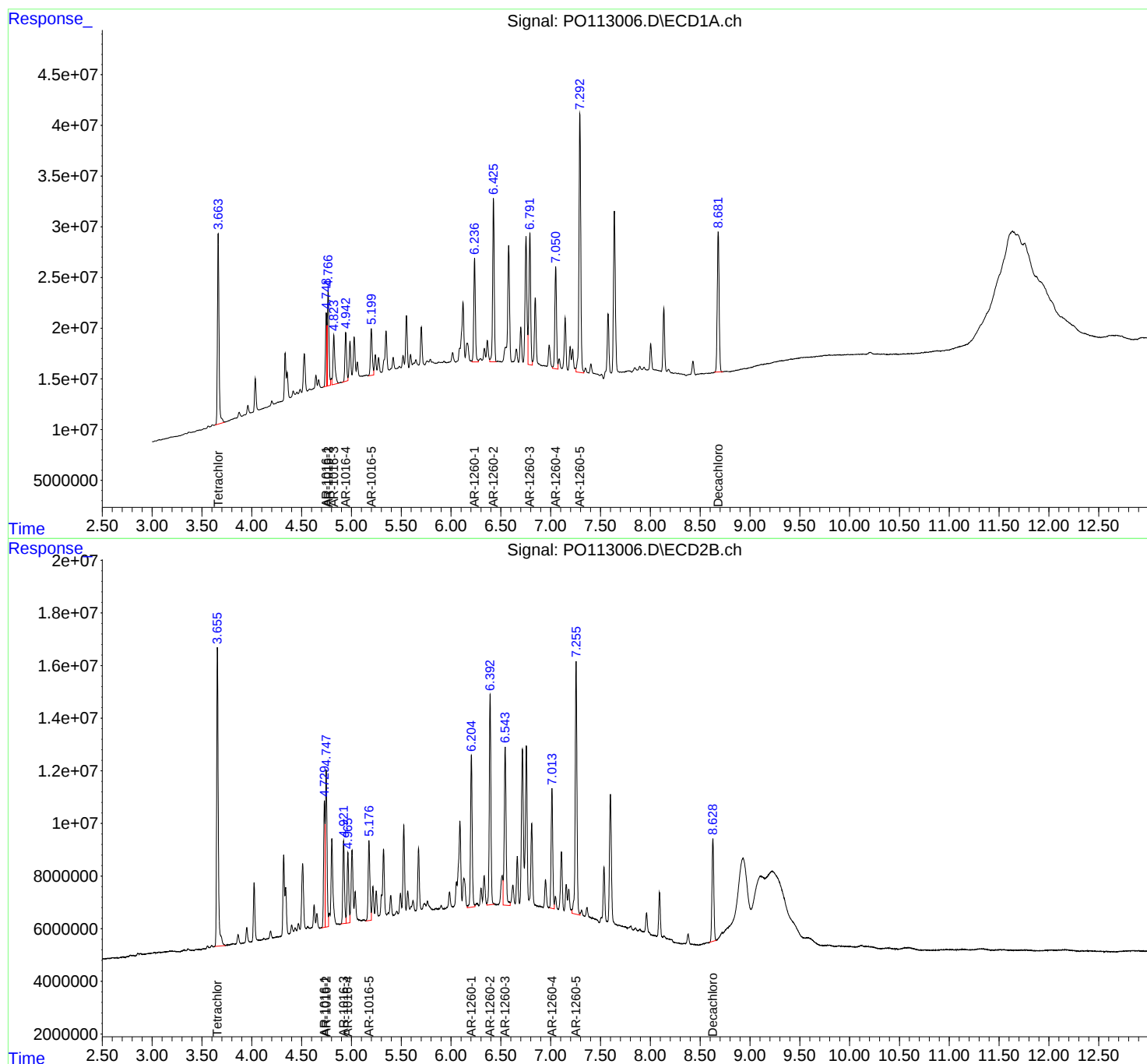
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

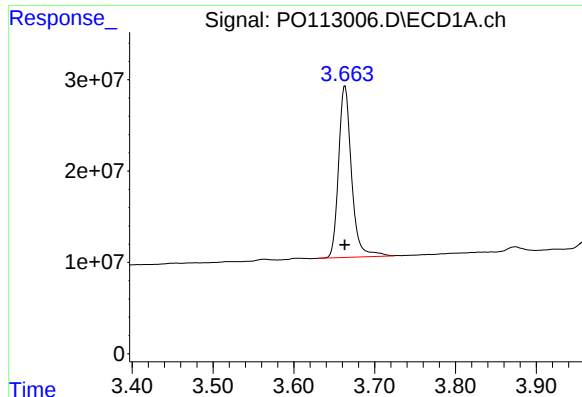
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:48
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 11:05:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 18 10:55:18 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

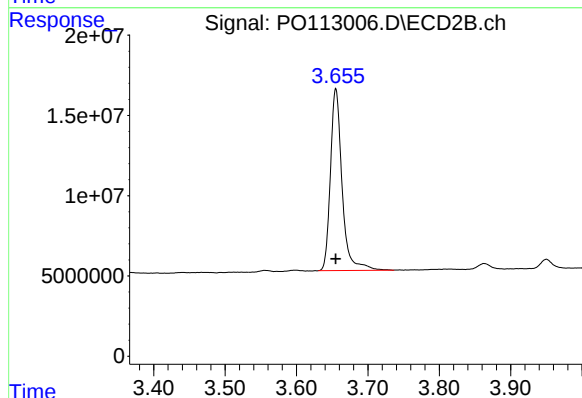




#1 Tetrachloro-m-xylene

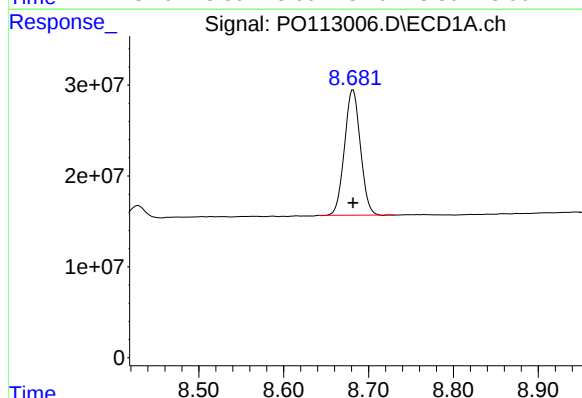
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 209263450
Conc: 25.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



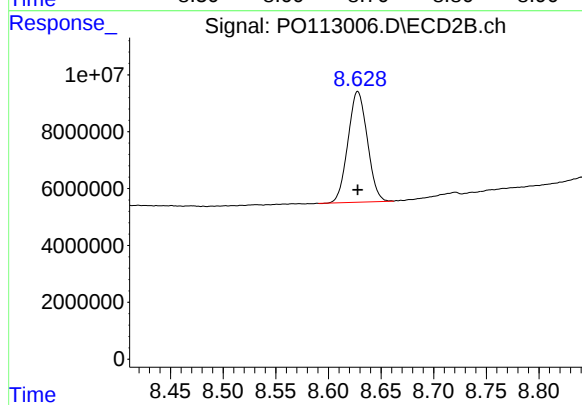
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 128840975
Conc: 25.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 179393998
Conc: 25.71 ng/ml



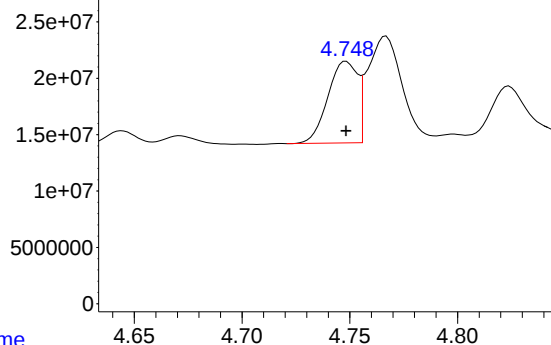
#2 Decachlorobiphenyl

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 49857232
Conc: 25.80 ng/ml

Response_

Signal: PO113006.D\ECD1A.ch

#3 AR-1016-1



R.T.: 4.748 min
Delta R.T.: 0.000 min
Response: 69060319
Conc: 256.63 ng/ml

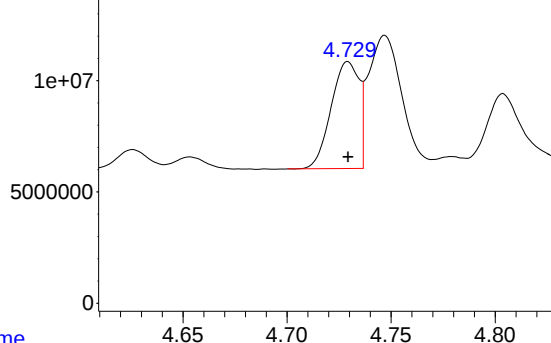
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Time

Response_

Signal: PO113006.D\ECD2B.ch

#3 AR-1016-1



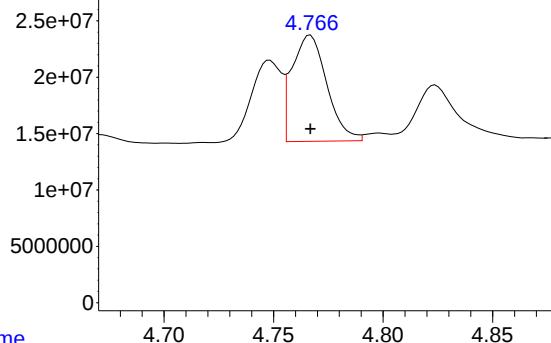
R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 44878381
Conc: 264.56 ng/ml

Time

Response_

Signal: PO113006.D\ECD1A.ch

#4 AR-1016-2



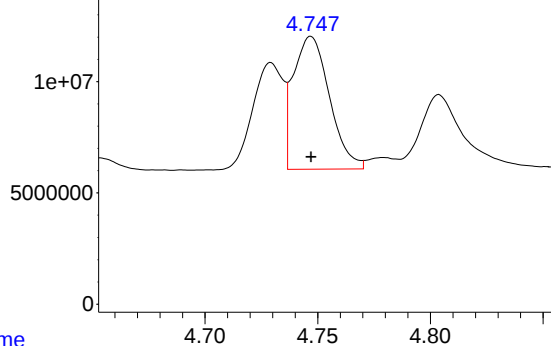
R.T.: 4.767 min
Delta R.T.: 0.000 min
Response: 104497855
Conc: 256.72 ng/ml

Time

Response_

Signal: PO113006.D\ECD2B.ch

#4 AR-1016-2



R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 66927854
Conc: 261.65 ng/ml

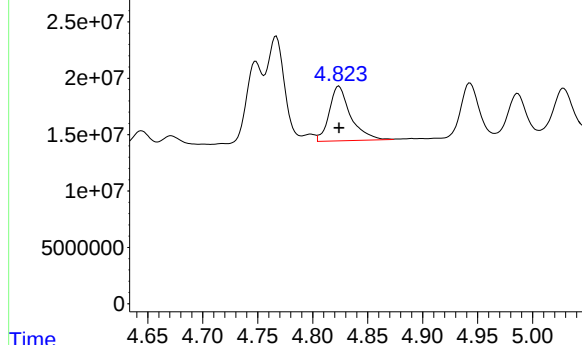
Time

Response_ Signal: PO113006.D\ECD1A.ch

#5 AR-1016-3

R.T.: 4.824 min
Delta R.T.: 0.000 min
Response: 65227510
Conc: 257.05 ng/ml

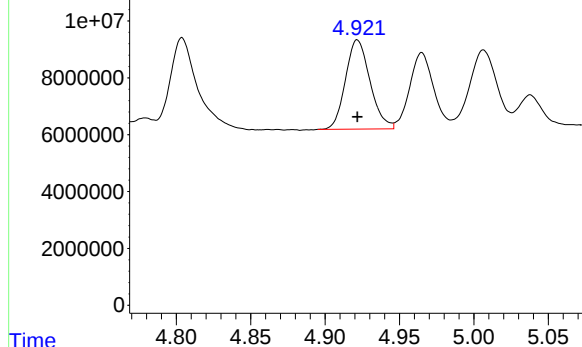
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



Time Response_ Signal: PO113006.D\ECD2B.ch

#5 AR-1016-3

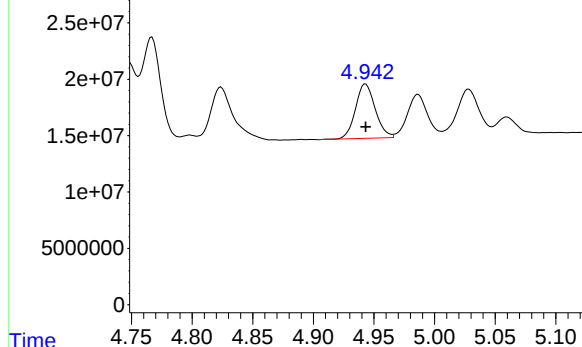
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 36041951
Conc: 265.67 ng/ml



Time Response_ Signal: PO113006.D\ECD1A.ch

#6 AR-1016-4

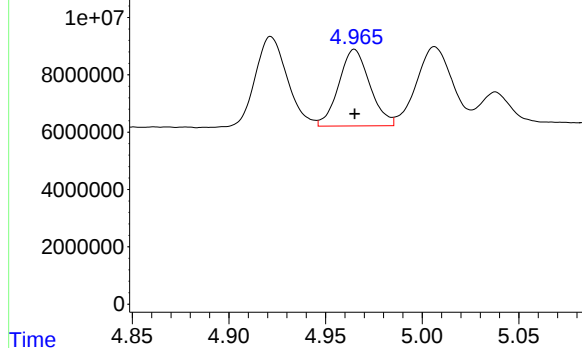
R.T.: 4.943 min
Delta R.T.: 0.000 min
Response: 54611515
Conc: 257.80 ng/ml

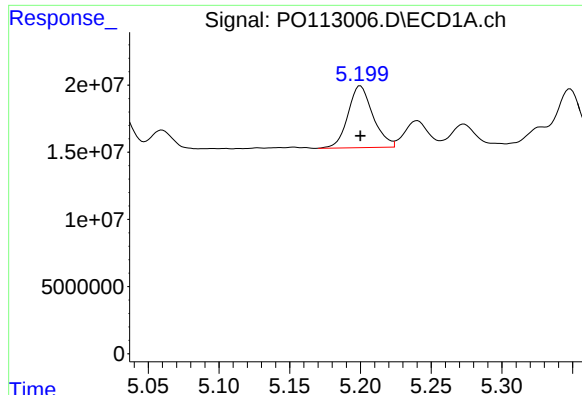


Time Response_ Signal: PO113006.D\ECD2B.ch

#6 AR-1016-4

R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 29903236
Conc: 272.39 ng/ml

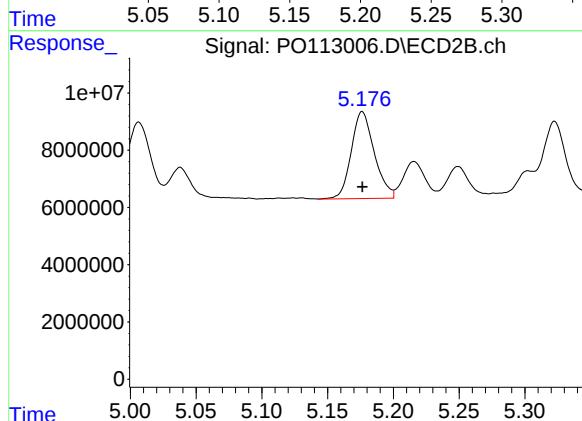




#7 AR-1016-5

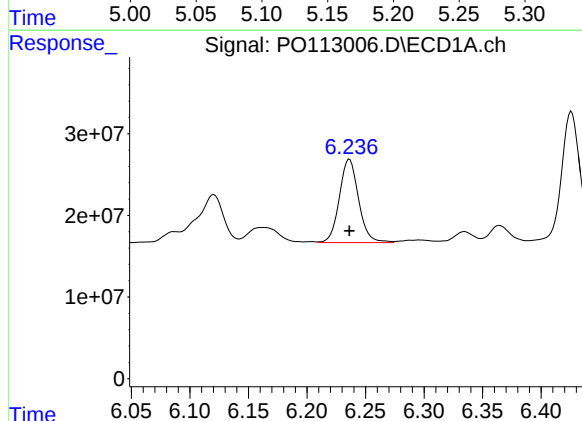
R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 56506595
Conc: 262.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



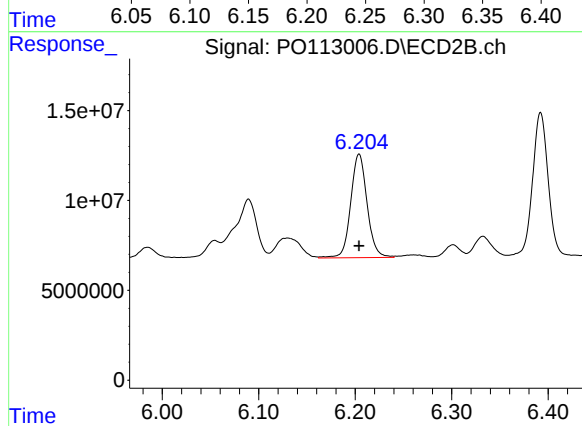
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 37101840
Conc: 268.12 ng/ml



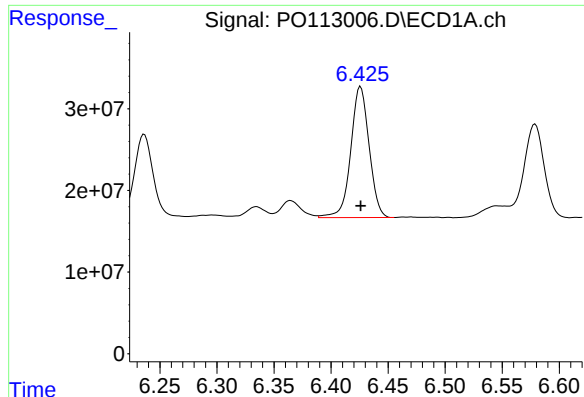
#31 AR-1260-1

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 116525327
Conc: 265.92 ng/ml



#31 AR-1260-1

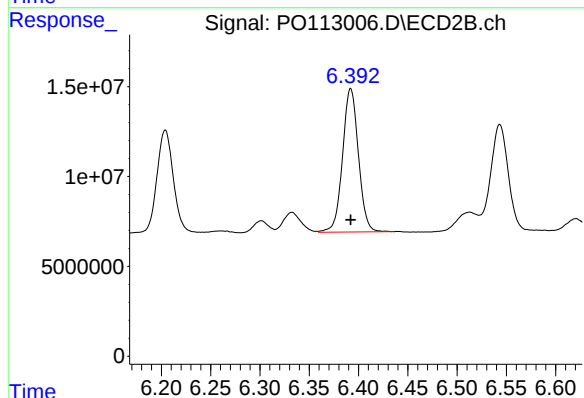
R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 68060116
Conc: 273.72 ng/ml



#32 AR-1260-2

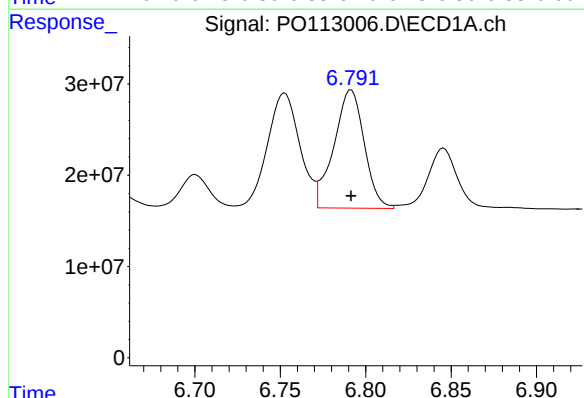
R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 179517394
Conc: 262.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



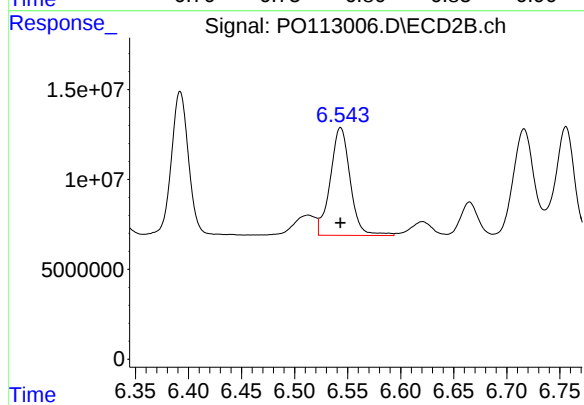
#32 AR-1260-2

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 89256145
Conc: 265.85 ng/ml



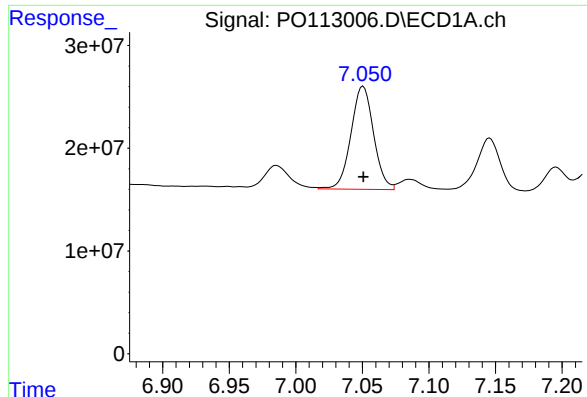
#33 AR-1260-3

R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 160924191
Conc: 258.16 ng/ml



#33 AR-1260-3

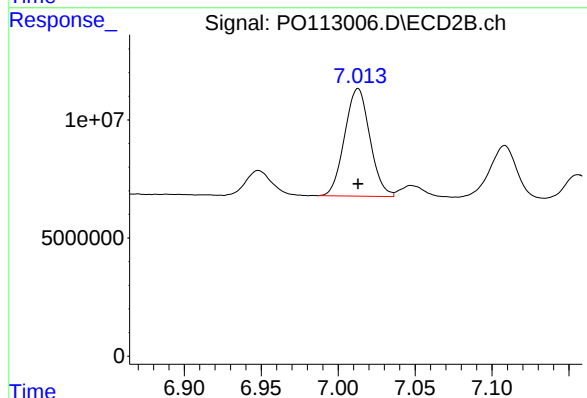
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 78252684
Conc: 273.17 ng/ml



#34 AR-1260-4

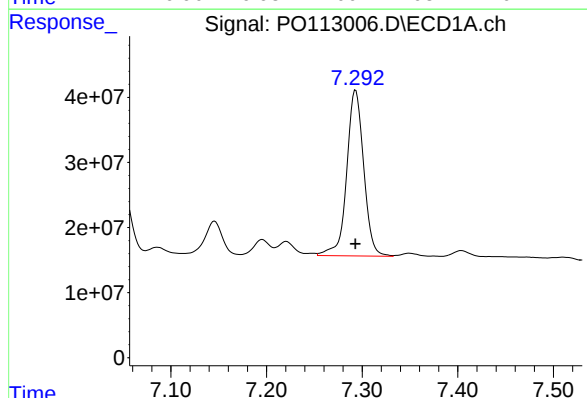
R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 118823234
Conc: 267.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



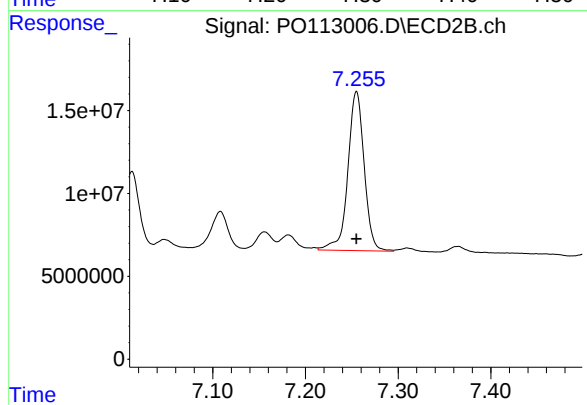
#34 AR-1260-4

R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 51852007
Conc: 262.03 ng/ml



#35 AR-1260-5

R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 316499525
Conc: 260.22 ng/ml



#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: 0.000 min
Response: 117500040
Conc: 260.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:06
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 11:21:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Aug 18 11:21:34 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...	3.663	3.654	38705497	24699023	4.728	4.881
2) SA Decachlor...	8.681	8.626	33724342	8728376	4.865	4.606
Target Compounds						
3) L1 AR-1016-1	4.747	4.728	12924748	8716922	48.963	51.104
4) L1 AR-1016-2	4.765	4.747	18948771	13256000	47.203	51.448
5) L1 AR-1016-3	4.823	4.922	13003930	7770949	50.991	55.660
6) L1 AR-1016-4	4.942	4.964	12149479	7218889	55.714	61.859
7) L1 AR-1016-5	5.199	5.176	12331019	7956952	55.638	55.827
31) L7 AR-1260-1	6.234	6.203	23856357	14036794	53.268m	55.031
32) L7 AR-1260-2	6.424	6.391	35062015	19279056	50.038m	55.766
33) L7 AR-1260-3	6.790	6.542	29698822	17066697	48.097	57.515m
34) L7 AR-1260-4	7.049	7.011	23055337	12235910	51.477	59.040
35) L7 AR-1260-5	7.292	7.253	59416722	27062013	49.077	57.772

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:06
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

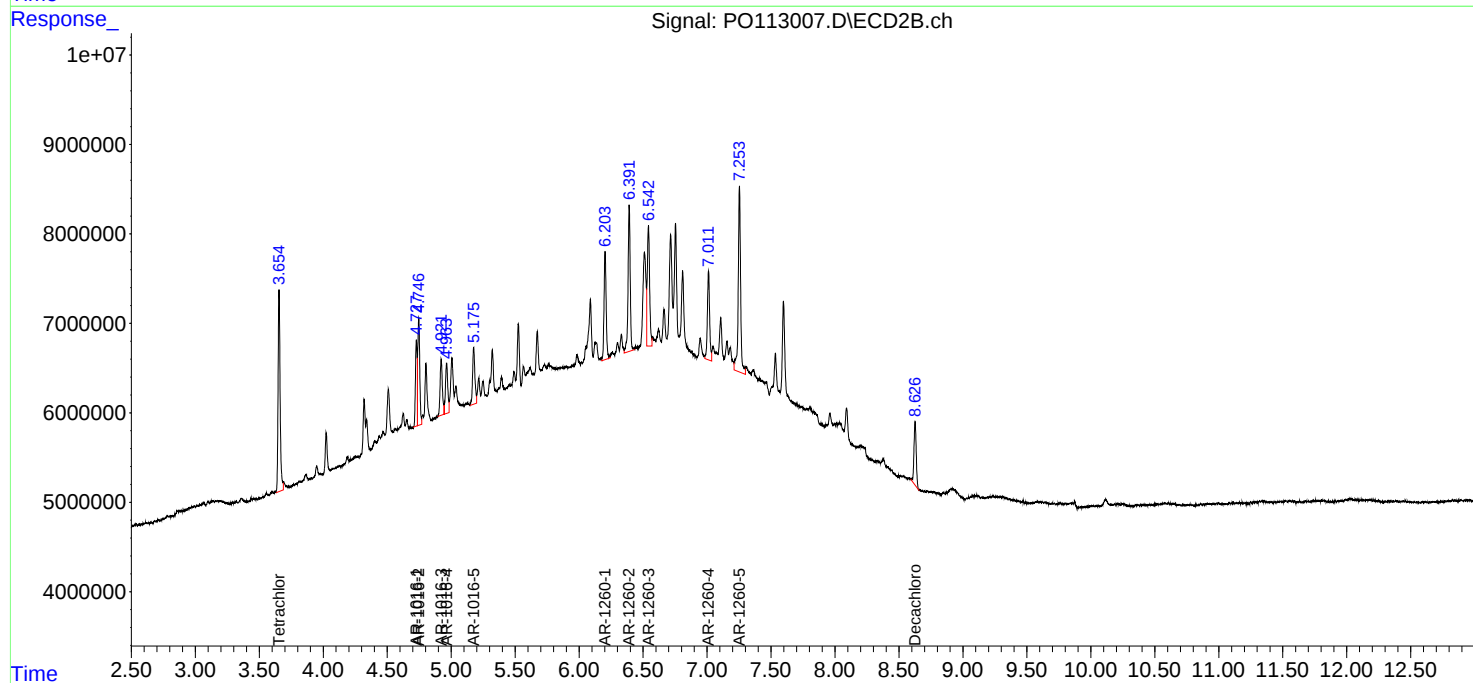
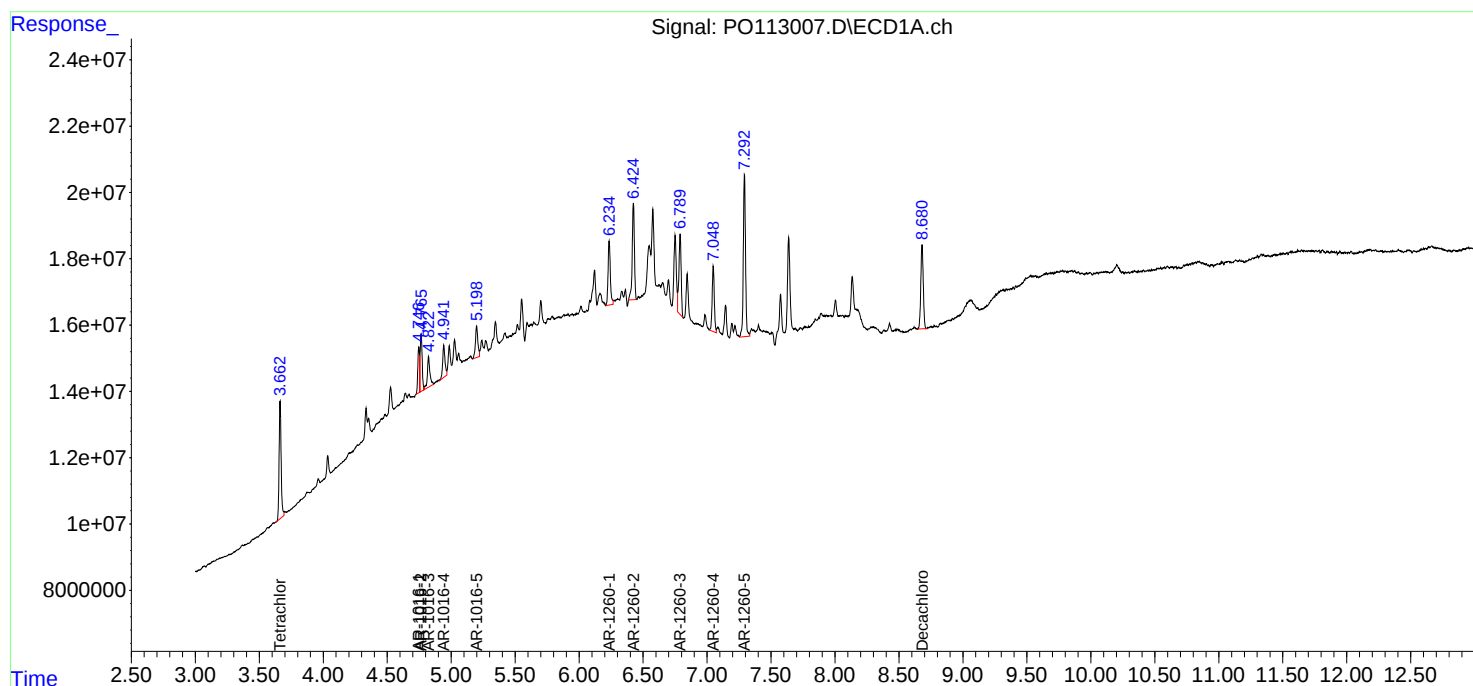
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

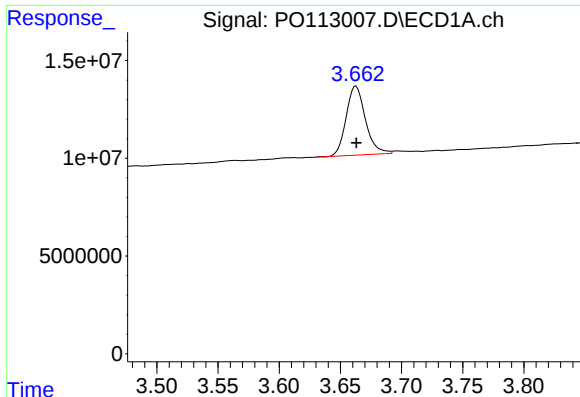
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 11:21:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 18 11:21:34 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

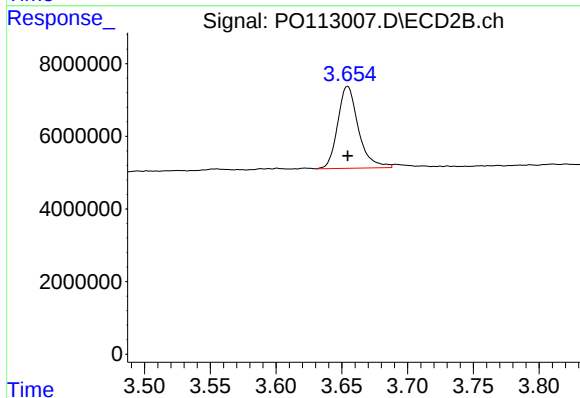
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 38705497
Conc: 4.73 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

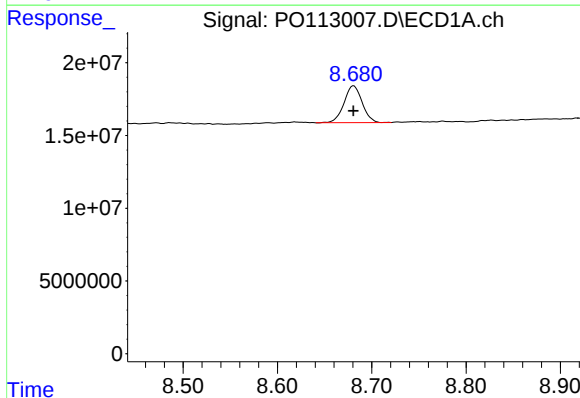
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



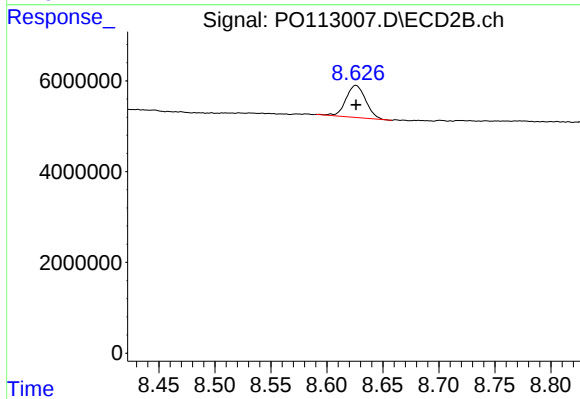
#1 Tetrachloro-m-xylene

R.T.: 3.654 min
Delta R.T.: 0.000 min
Response: 24699023
Conc: 4.88 ng/ml



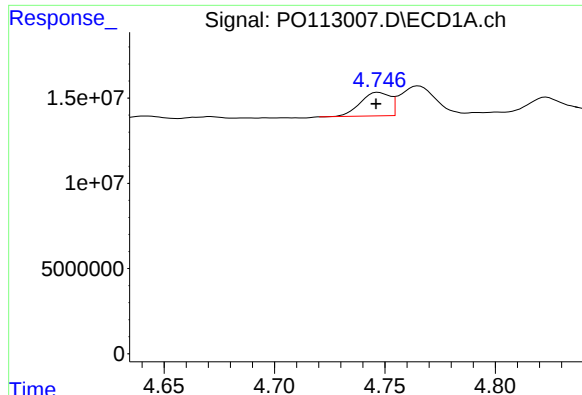
#2 Decachlorobiphenyl

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 33724342
Conc: 4.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.626 min
Delta R.T.: 0.000 min
Response: 8728376
Conc: 4.61 ng/ml



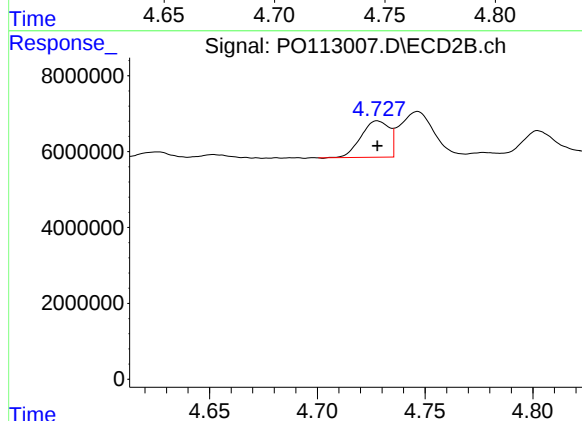
#3 AR-1016-1

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 12924748
Conc: 48.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

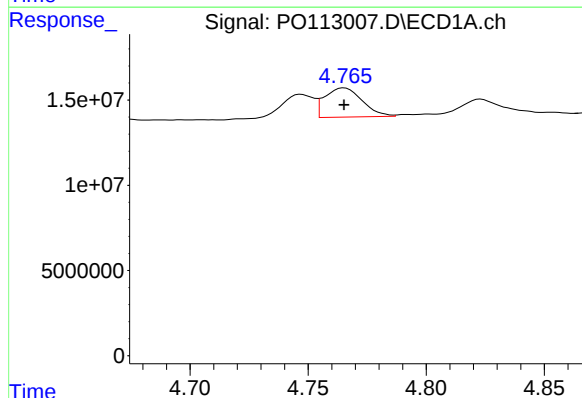
Manual Integrations
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Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



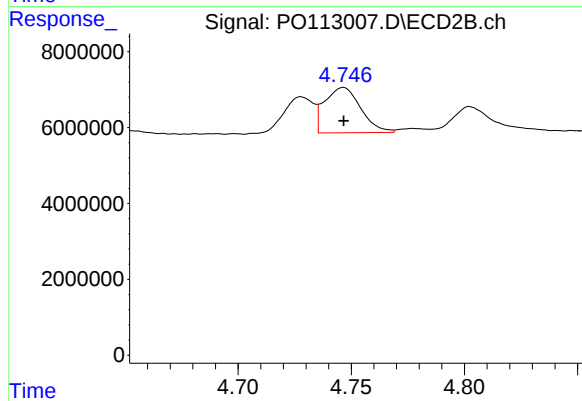
#3 AR-1016-1

R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 8716922
Conc: 51.10 ng/ml



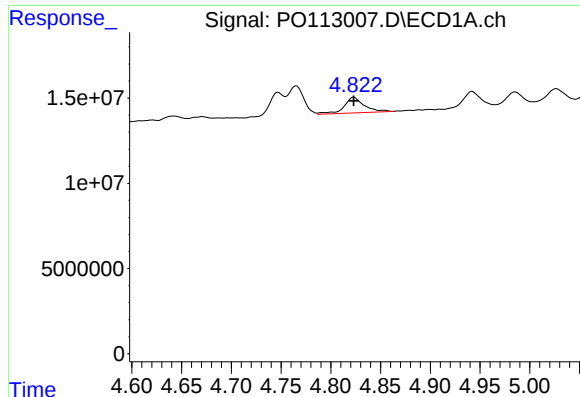
#4 AR-1016-2

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 18948771
Conc: 47.20 ng/ml



#4 AR-1016-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 13256000
Conc: 51.45 ng/ml



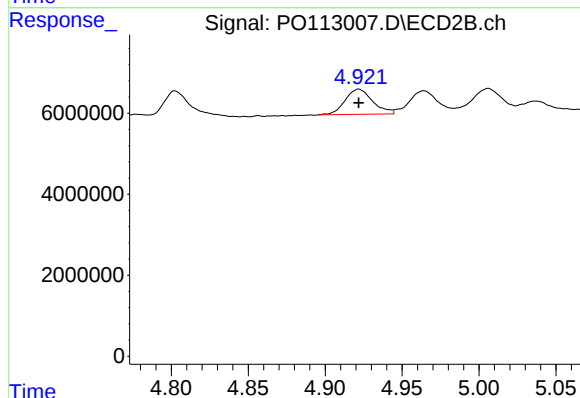
#5 AR-1016-3

R.T.: 4.823 min
Delta R.T.: 0.000 min
Response: 13003930
Conc: 50.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

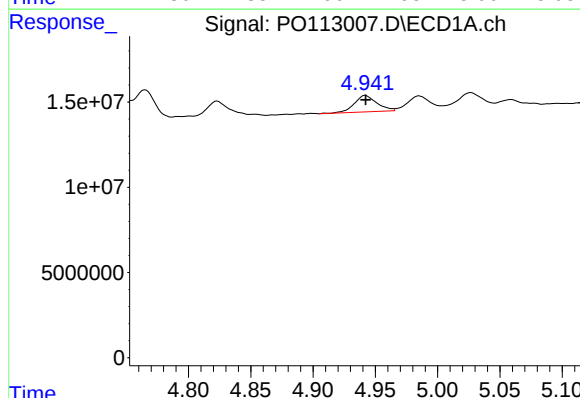
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



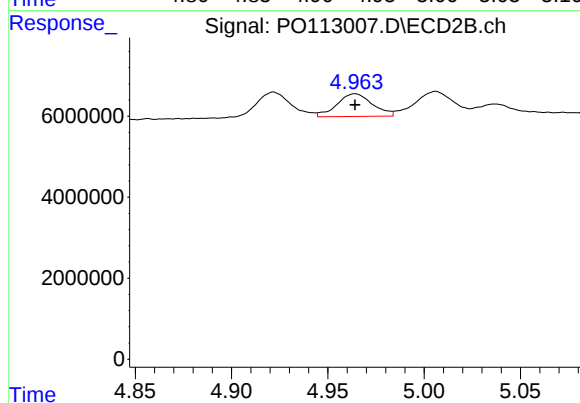
#5 AR-1016-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 7770949
Conc: 55.66 ng/ml



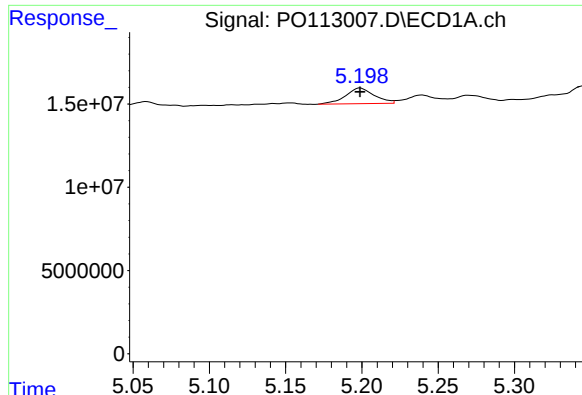
#6 AR-1016-4

R.T.: 4.942 min
Delta R.T.: 0.000 min
Response: 12149479
Conc: 55.71 ng/ml



#6 AR-1016-4

R.T.: 4.964 min
Delta R.T.: 0.000 min
Response: 7218889
Conc: 61.86 ng/ml



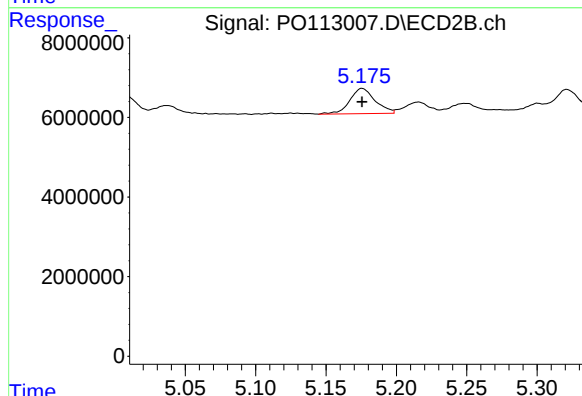
#7 AR-1016-5

R.T.: 5.199 min
Delta R.T.: 0.000 min
Response: 12331019
Conc: 55.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

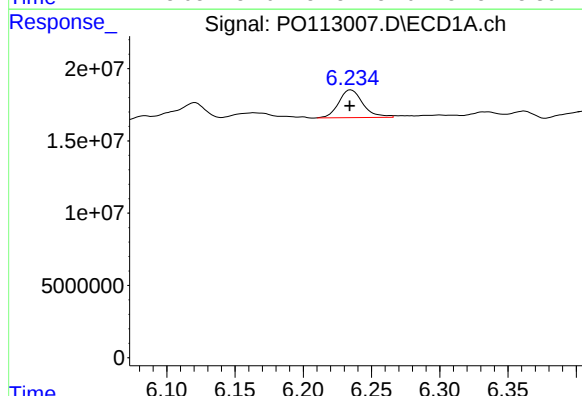
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



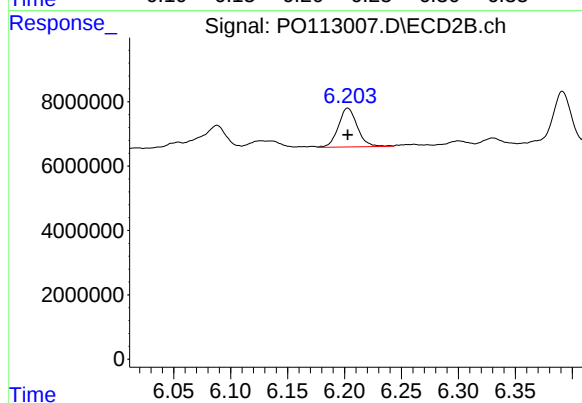
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 7956952
Conc: 55.83 ng/ml



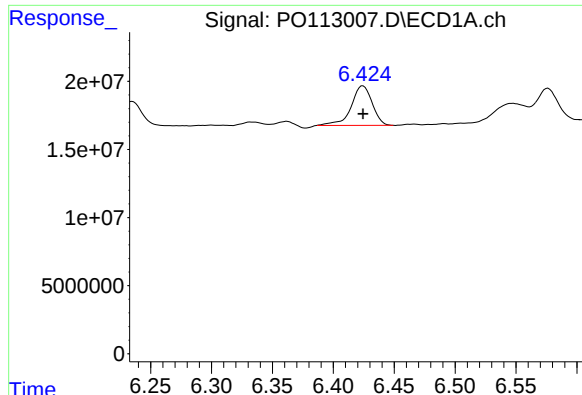
#31 AR-1260-1

R.T.: 6.234 min
Delta R.T.: 0.000 min
Response: 23856357
Conc: 53.27 ng/ml m



#31 AR-1260-1

R.T.: 6.203 min
Delta R.T.: 0.000 min
Response: 14036794
Conc: 55.03 ng/ml



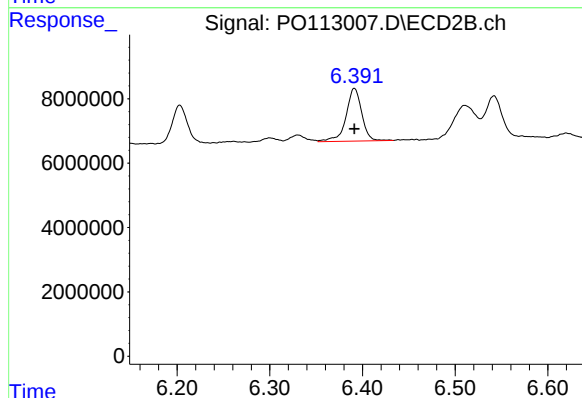
#32 AR-1260-2

R.T.: 6.424 min
Delta R.T.: 0.000 min
Response: 35062015
Conc: 50.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

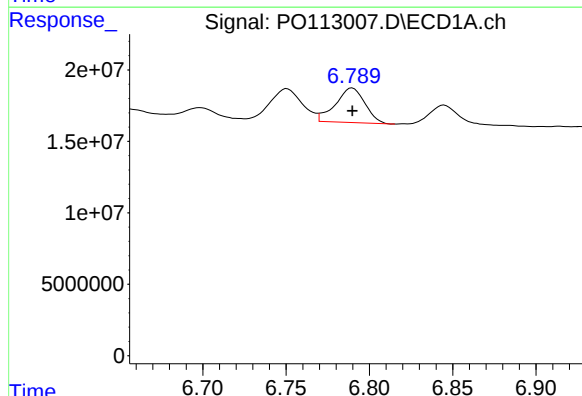
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



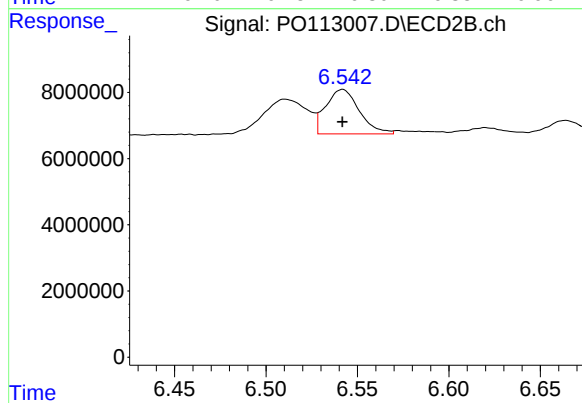
#32 AR-1260-2

R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 19279056
Conc: 55.77 ng/ml



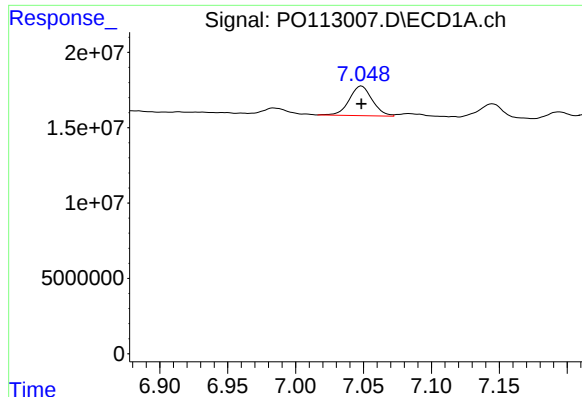
#33 AR-1260-3

R.T.: 6.790 min
Delta R.T.: 0.000 min
Response: 29698822
Conc: 48.10 ng/ml



#33 AR-1260-3

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 17066697
Conc: 57.52 ng/ml m



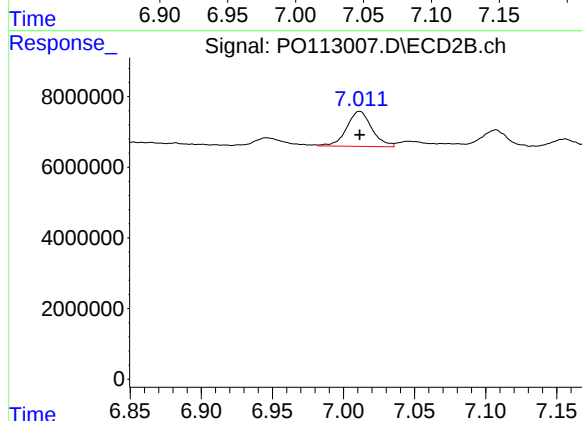
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 23055337
Conc: 51.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

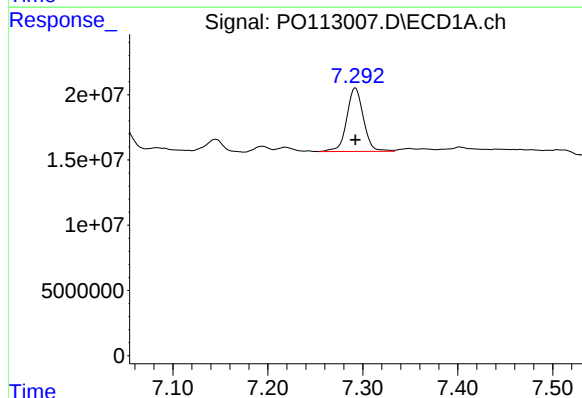
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



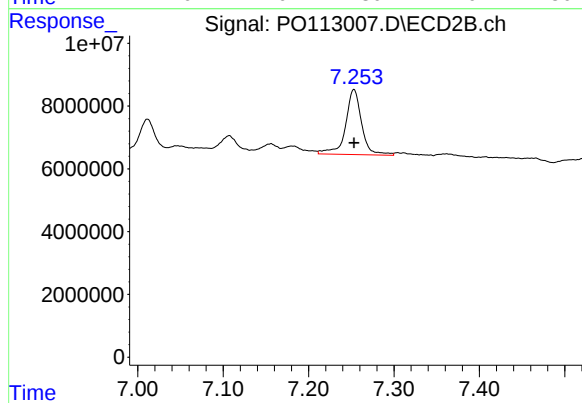
#34 AR-1260-4

R.T.: 7.011 min
Delta R.T.: 0.000 min
Response: 12235910
Conc: 59.04 ng/ml



#35 AR-1260-5

R.T.: 7.292 min
Delta R.T.: 0.000 min
Response: 59416722
Conc: 49.08 ng/ml



#35 AR-1260-5

R.T.: 7.253 min
Delta R.T.: 0.000 min
Response: 27062013
Conc: 57.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:25
 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: Aug 19 04:47:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 04:47:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.663	3.655	413.6E6	254.0E6	50.000	50.000
2) SA Decachlor...	8.682	8.627	342.9E6	94957632	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.874	3.864	46786628	31560573	500.000	500.000
9) L2 AR-1221-2	3.960	3.950	33775329	23336608	500.000	500.000
10) L2 AR-1221-3	4.036	4.024	110.7E6	74237501	500.000	500.000

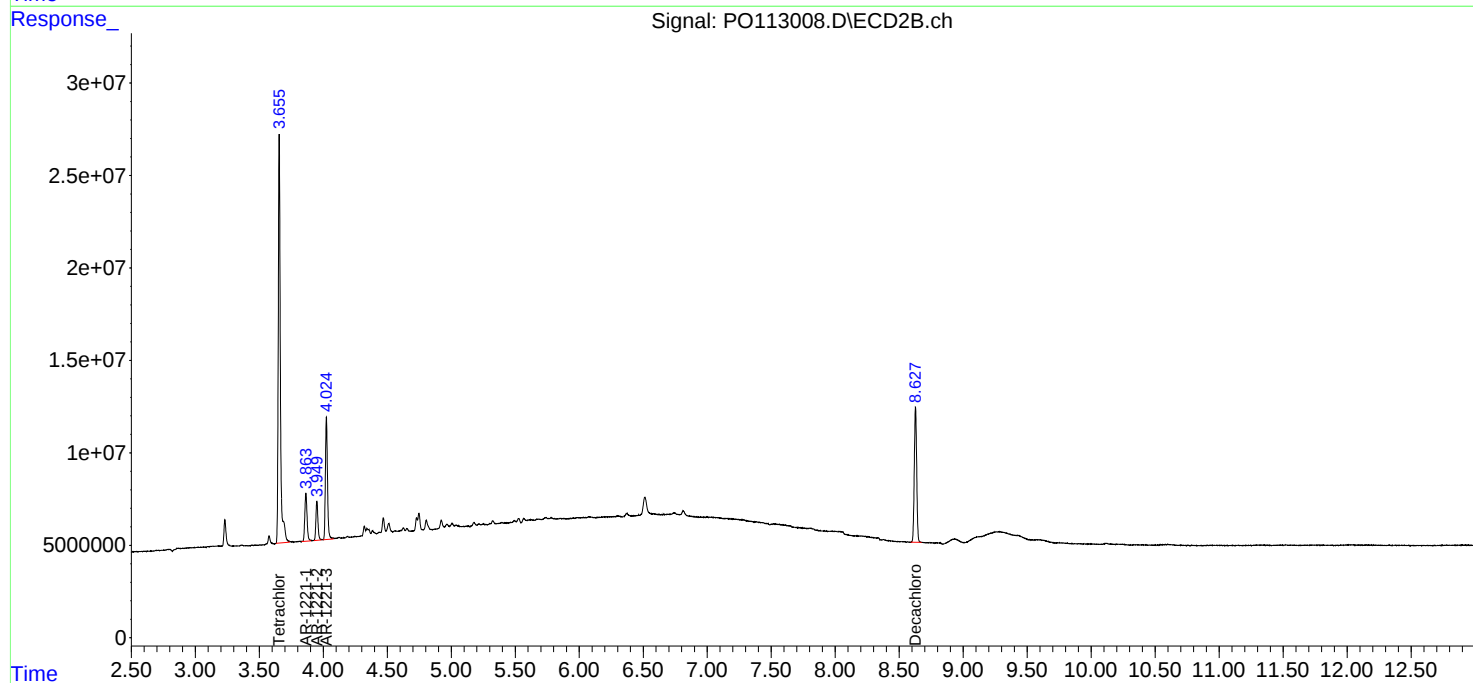
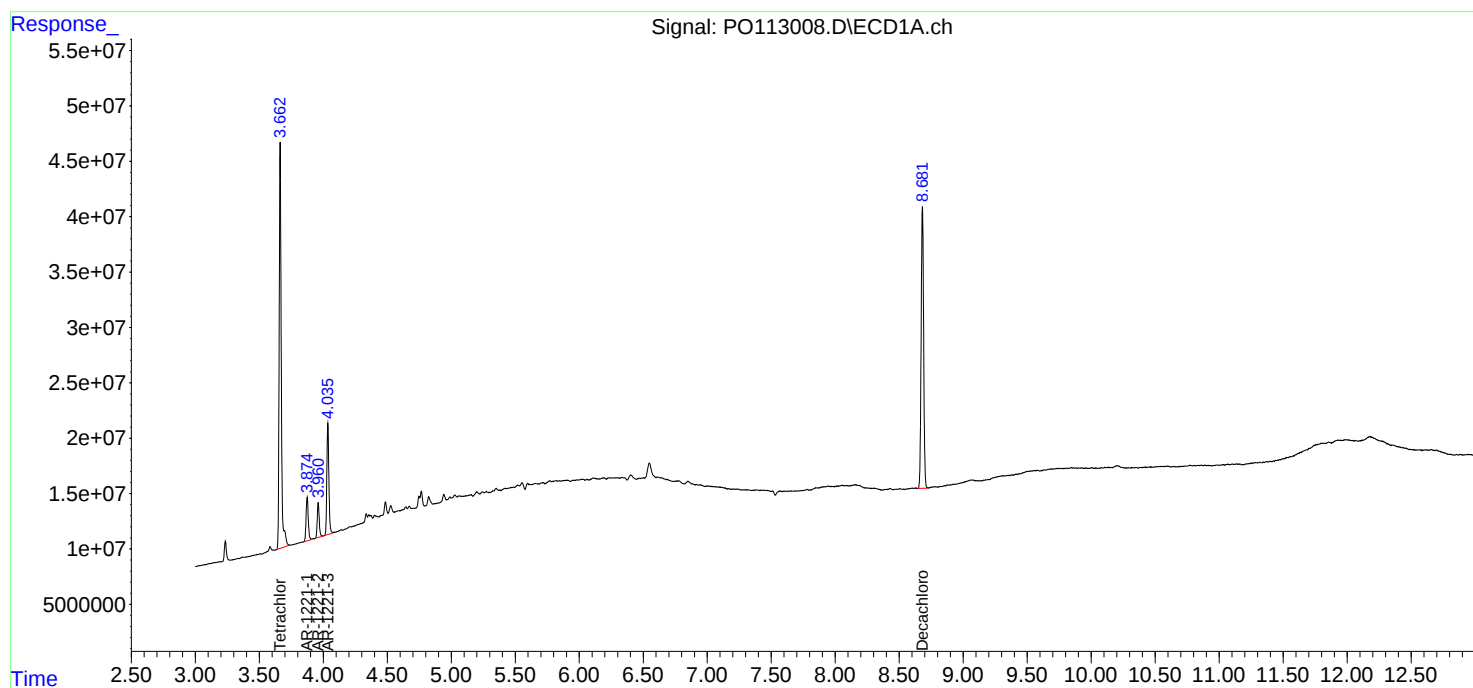
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

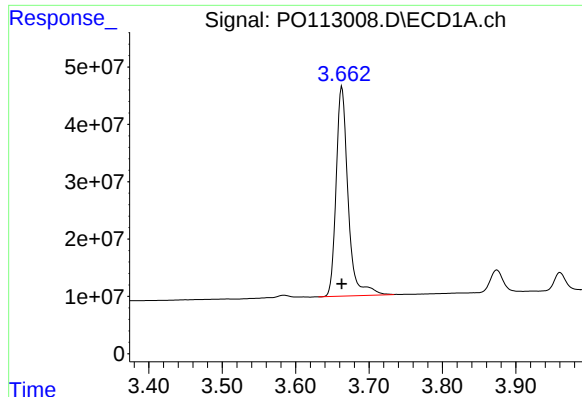
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:25
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 04:47:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 04:47:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

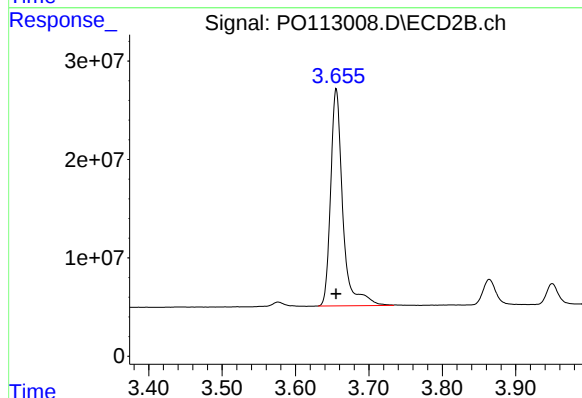




#1 Tetrachloro-m-xylene

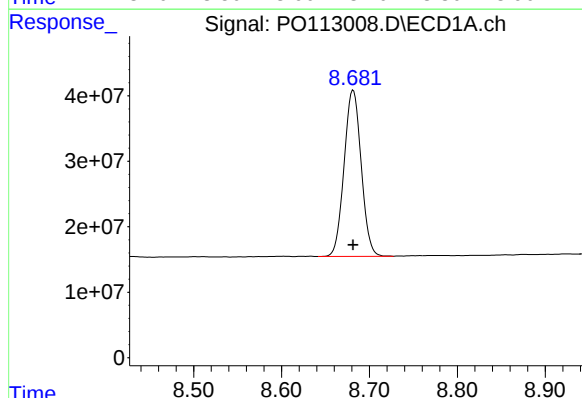
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 413631702
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



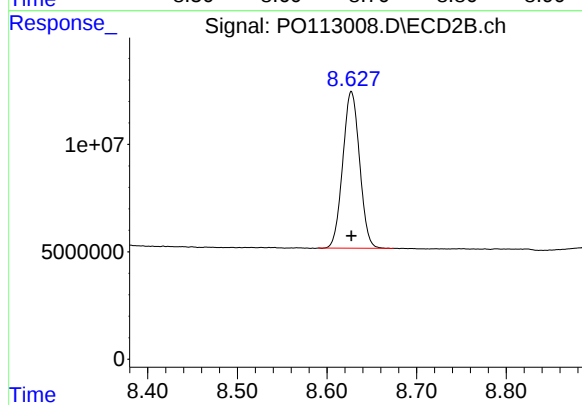
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 253967740
Conc: 50.00 ng/ml



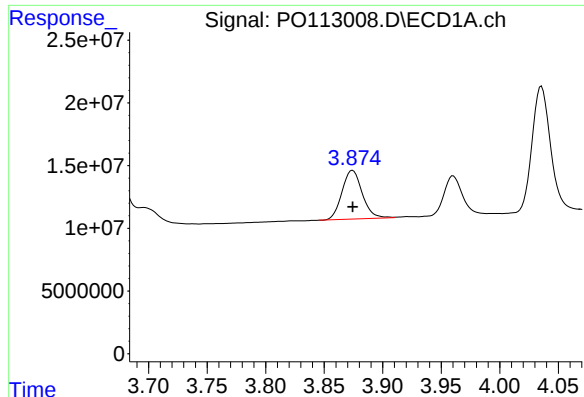
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 342924126
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

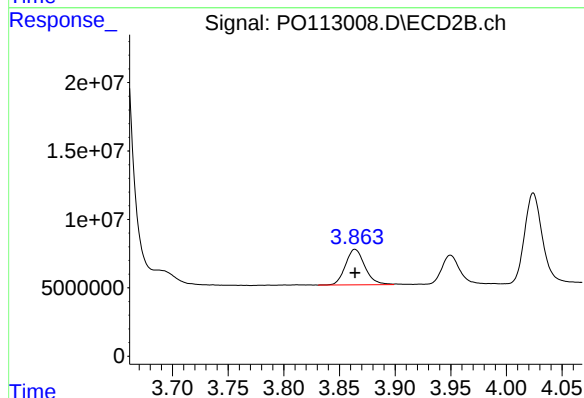
R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 94957632
Conc: 50.00 ng/ml



#8 AR-1221-1

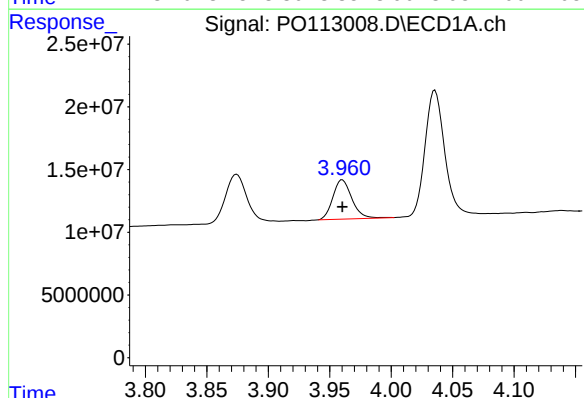
R.T.: 3.874 min
Delta R.T.: 0.000 min
Response: 46786628
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



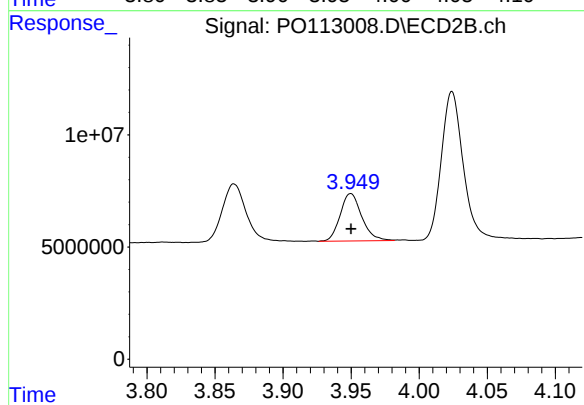
#8 AR-1221-1

R.T.: 3.864 min
Delta R.T.: 0.000 min
Response: 31560573
Conc: 500.00 ng/ml



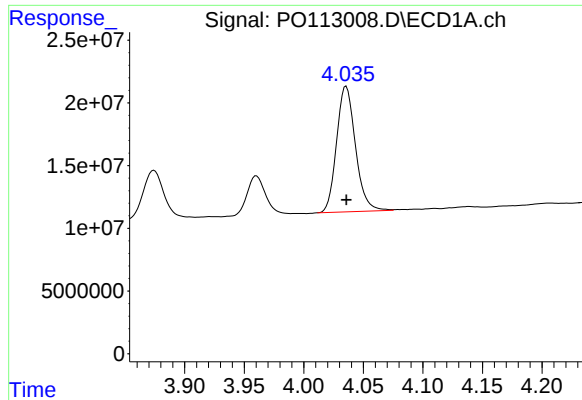
#9 AR-1221-2

R.T.: 3.960 min
Delta R.T.: 0.000 min
Response: 33775329
Conc: 500.00 ng/ml



#9 AR-1221-2

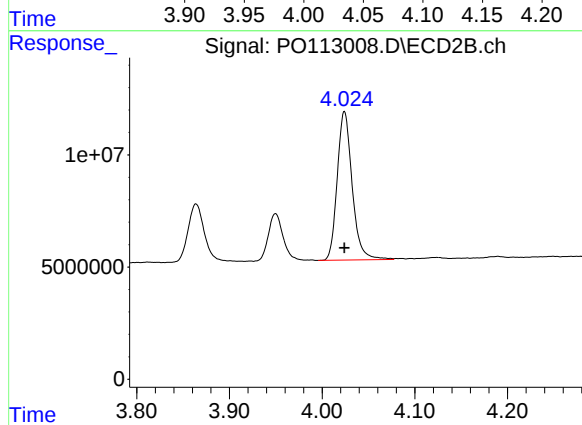
R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 23336608
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.036 min
Delta R.T.: 0.000 min
Response: 110675568
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 74237501
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:43
 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: Aug 19 04:57:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 04:57:01 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...	3.663	3.655	425.2E6	260.6E6	50.000	50.000
2) SA Decachlor...	8.682	8.628	358.9E6	97760702	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.036	4.023	87003202	58701316	500.000	500.000
12) L3 AR-1232-2	4.527	4.747	49926230	61272548	500.000	500.000
13) L3 AR-1232-3	4.767	4.922	94737736	31672814	500.000	500.000
14) L3 AR-1232-4	4.942	5.006	47084775	28110590	500.000	500.000
15) L3 AR-1232-5	4.986	5.176	30971484	29931775	500.000	500.000

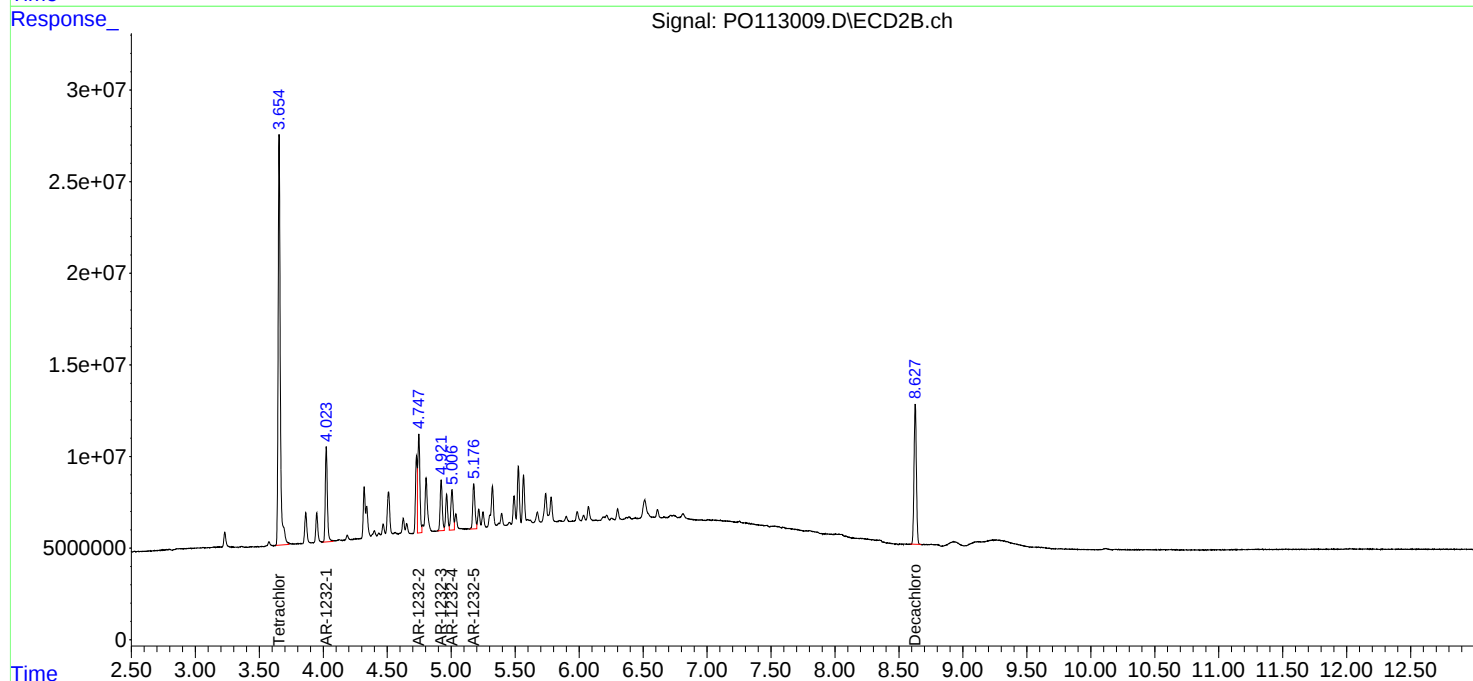
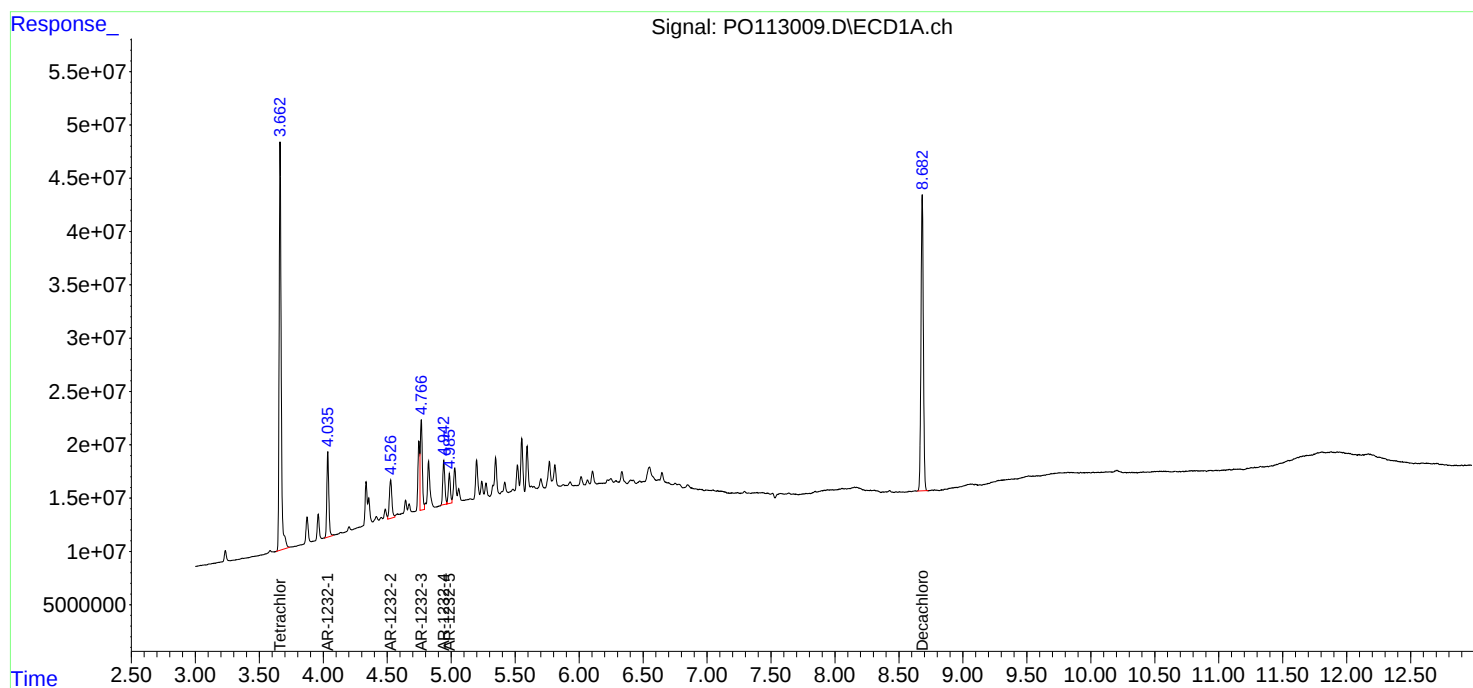
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

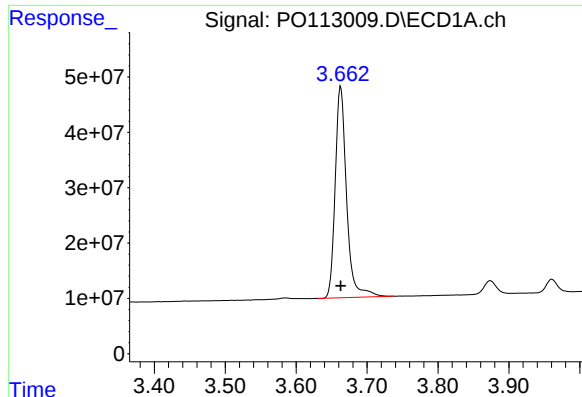
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:43
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 04:57:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 04:57:01 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

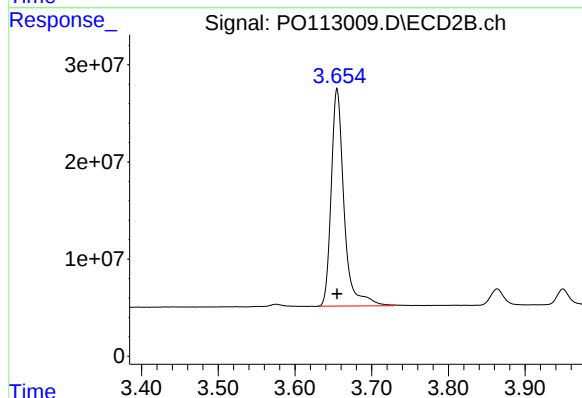




#1 Tetrachloro-m-xylene

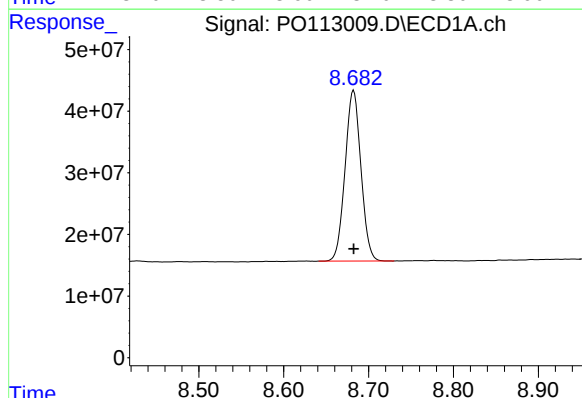
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 425159885
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



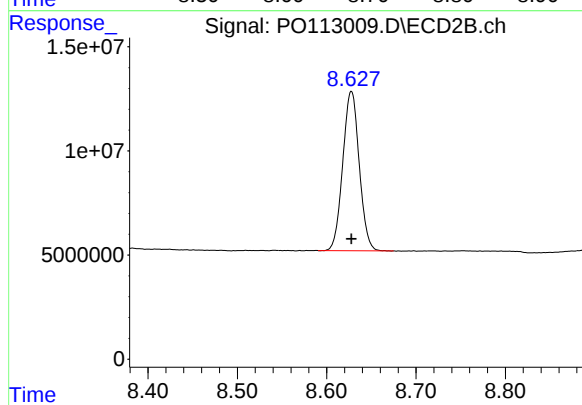
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 260568167
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

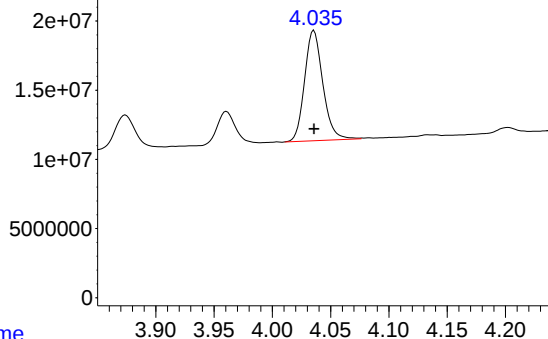
R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 358864474
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 97760702
Conc: 50.00 ng/ml

Response_ Signal: PO113009.D\ECD1A.ch

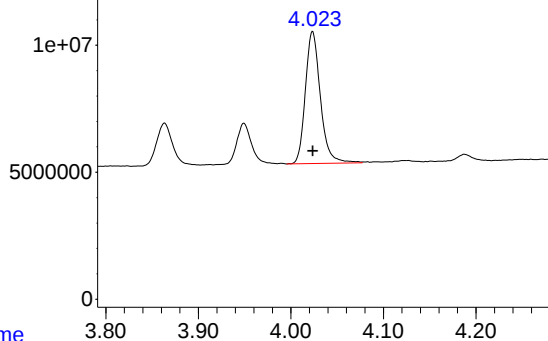


#11 AR-1232-1

R.T.: 4.036 min
Delta R.T.: 0.000 min
Response: 87003202
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

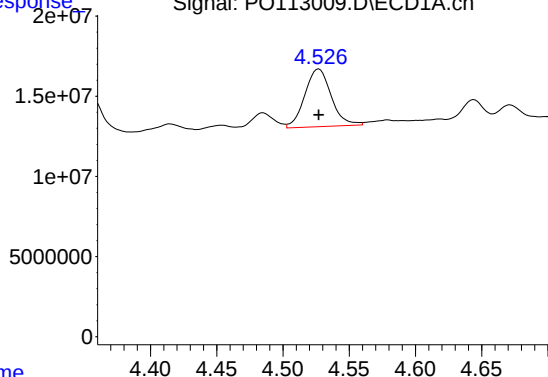
Time Response_ Signal: PO113009.D\ECD2B.ch



#11 AR-1232-1

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 58701316
Conc: 500.00 ng/ml

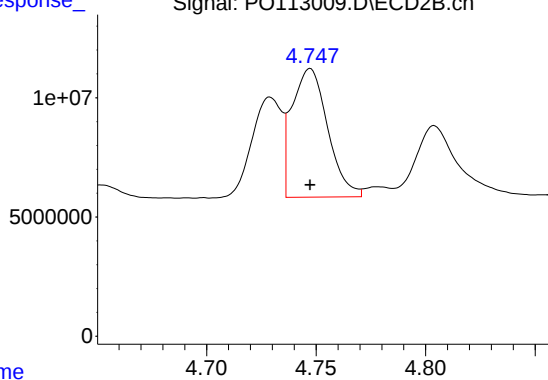
Time Response_ Signal: PO113009.D\ECD1A.ch



#12 AR-1232-2

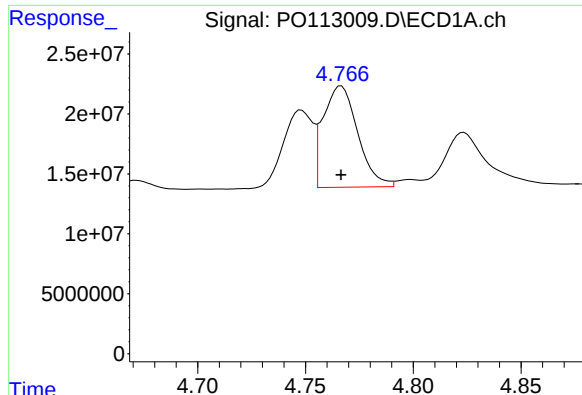
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 49926230
Conc: 500.00 ng/ml

Time Response_ Signal: PO113009.D\ECD2B.ch



#12 AR-1232-2

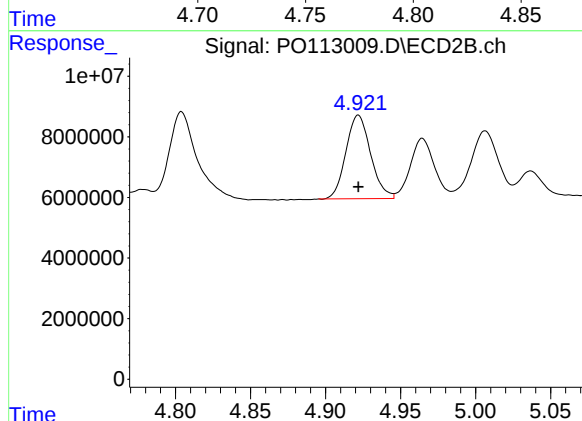
R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 61272548
Conc: 500.00 ng/ml



#13 AR-1232-3

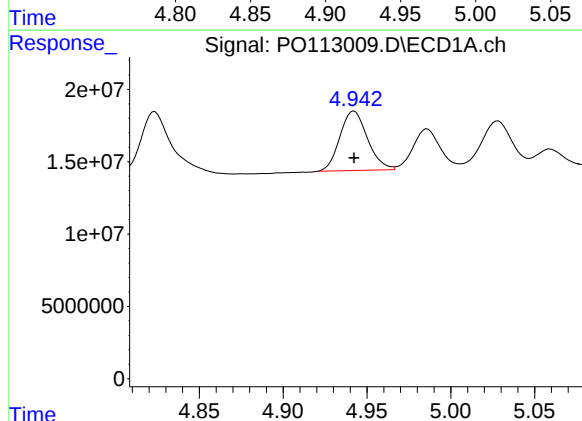
R.T.: 4.767 min
Delta R.T.: 0.000 min
Response: 94737736
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



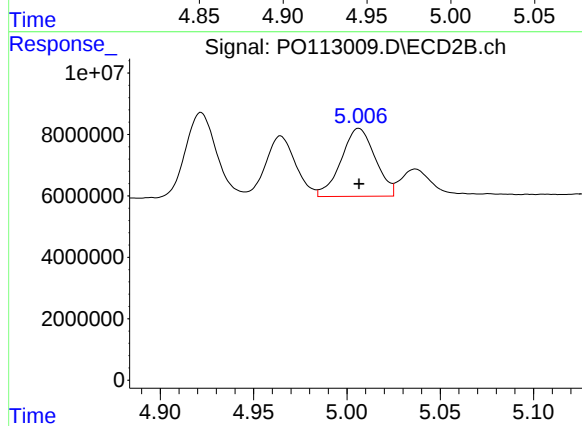
#13 AR-1232-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 31672814
Conc: 500.00 ng/ml



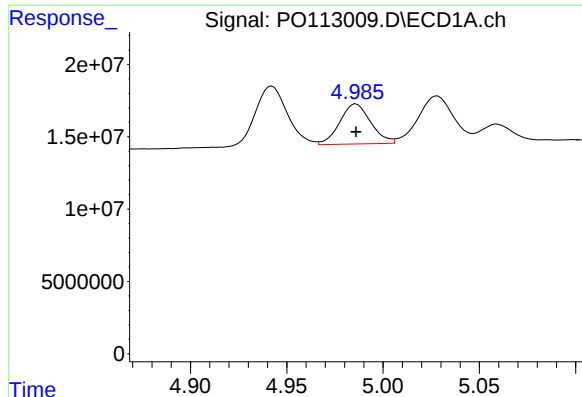
#14 AR-1232-4

R.T.: 4.942 min
Delta R.T.: 0.000 min
Response: 47084775
Conc: 500.00 ng/ml



#14 AR-1232-4

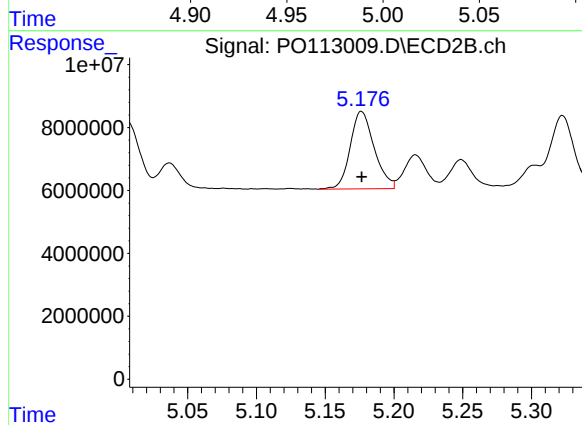
R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 28110590
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 4.986 min
Delta R.T.: 0.000 min
Response: 30971484
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 29931775
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:01
 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: Aug 19 05:01:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:00:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.664	3.656	790.3E6	482.6E6	91.305	91.569
2)	SA Decachlor...	8.682	8.629	698.4E6	186.8E6	94.884	93.137
Target Compounds							
16)	L4 AR-1242-1	4.748	4.729	219.0E6	133.9E6	902.034	878.518
17)	L4 AR-1242-2	4.767	4.747	328.0E6	204.0E6	899.261	894.341
18)	L4 AR-1242-3	4.824	4.923	205.3E6	105.7E6	902.879	874.106
19)	L4 AR-1242-4	4.943	5.007	165.3E6	101.7E6	901.450	864.505
20)	L4 AR-1242-5	5.594	5.526	180.7E6	136.1E6	862.178	877.068

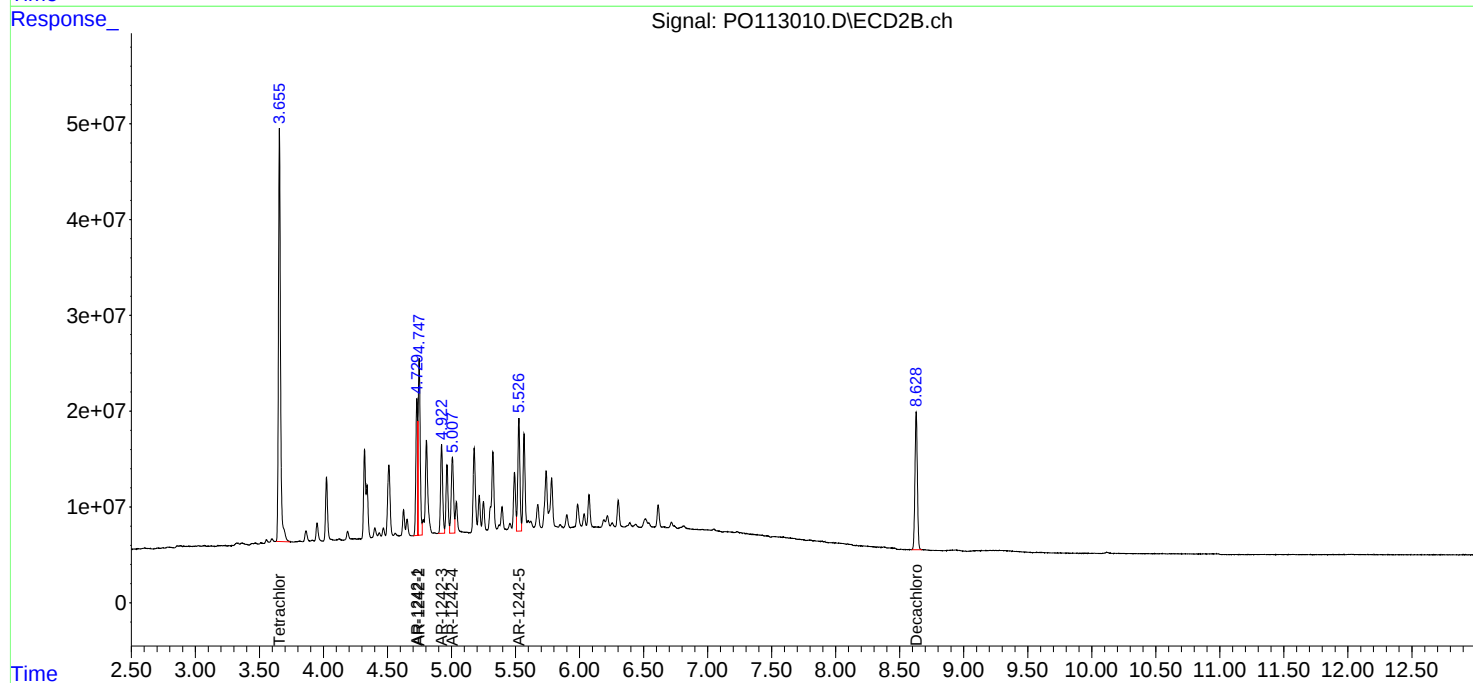
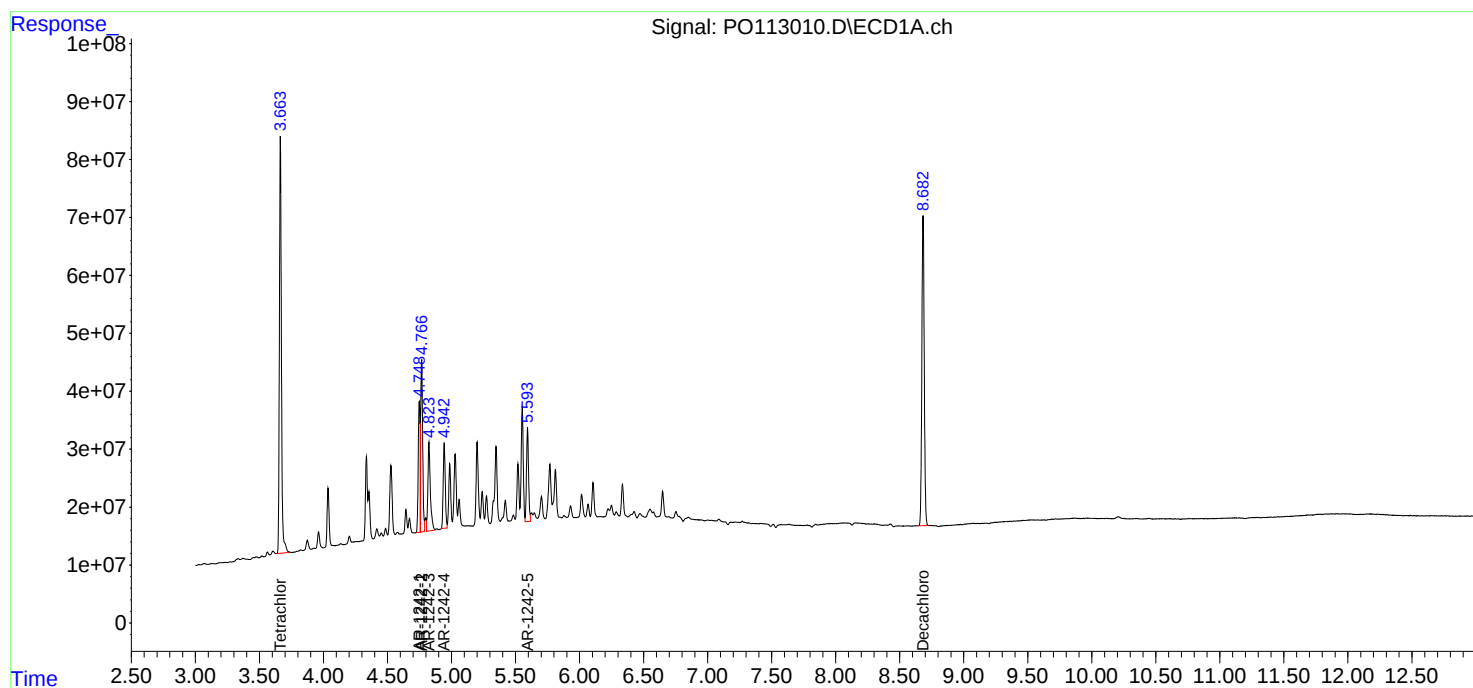
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

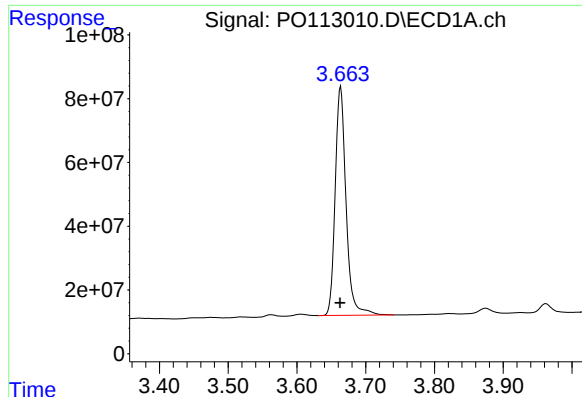
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:01
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:01:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:00:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

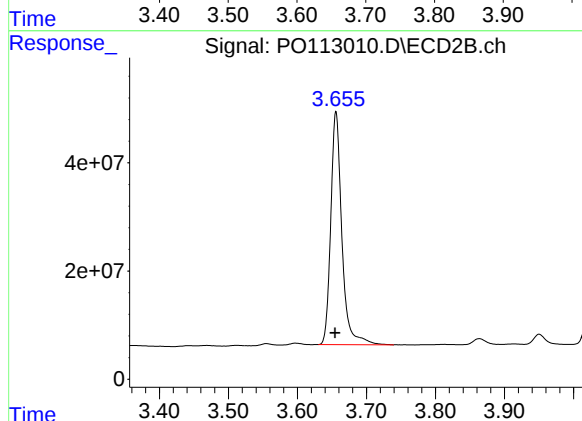




#1 Tetrachloro-m-xylene

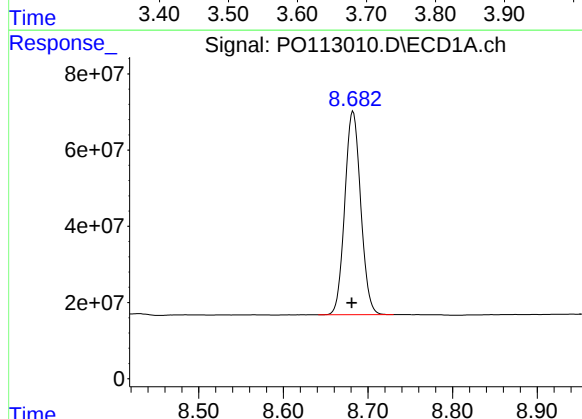
R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 790254297
Conc: 91.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



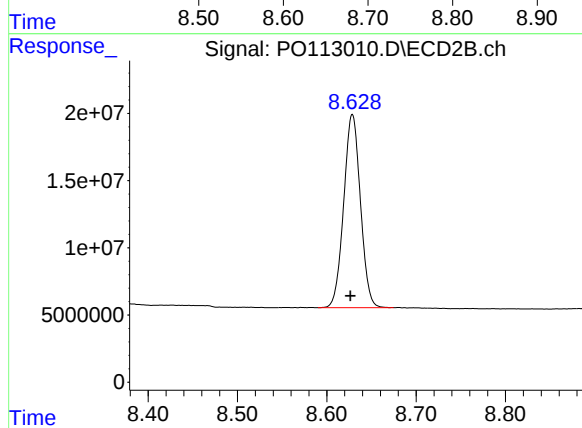
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.001 min
Response: 482581368
Conc: 91.57 ng/ml



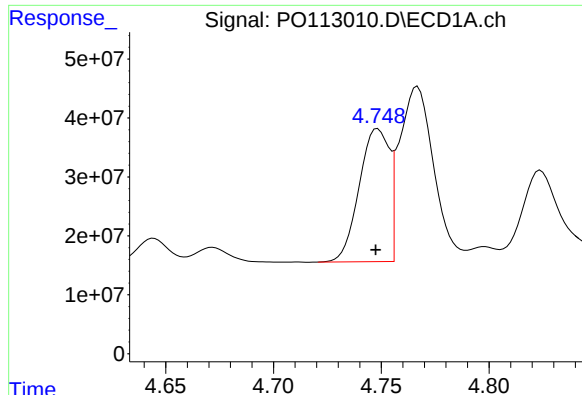
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.002 min
Response: 698375112
Conc: 94.88 ng/ml



#2 Decachlorobiphenyl

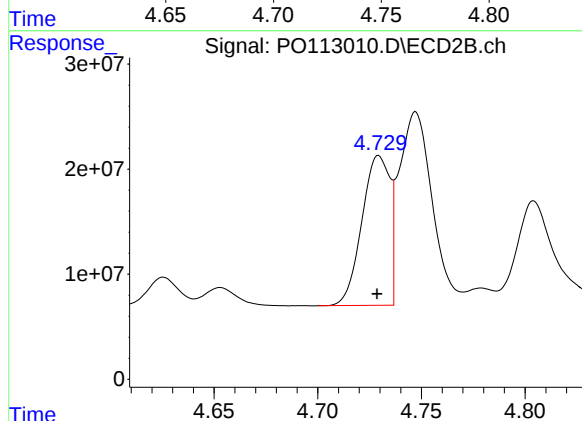
R.T.: 8.629 min
Delta R.T.: 0.002 min
Response: 186805712
Conc: 93.14 ng/ml



#16 AR-1242-1

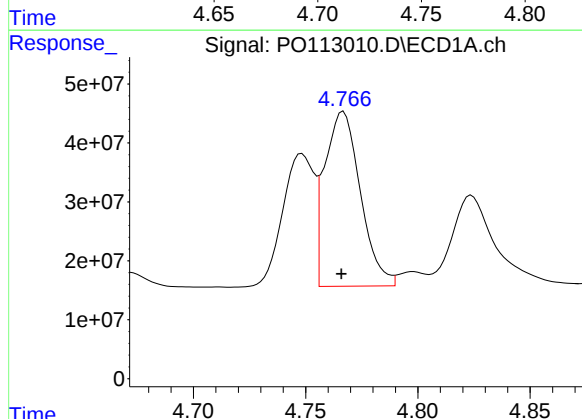
R.T.: 4.748 min
Delta R.T.: 0.000 min
Response: 219003807
Conc: 902.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



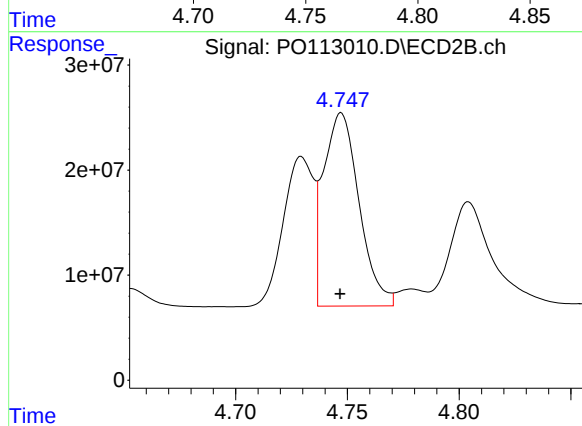
#16 AR-1242-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 133881576
Conc: 878.52 ng/ml



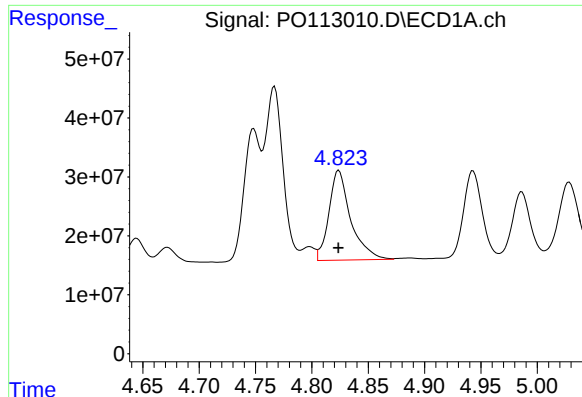
#17 AR-1242-2

R.T.: 4.767 min
Delta R.T.: 0.000 min
Response: 327976735
Conc: 899.26 ng/ml



#17 AR-1242-2

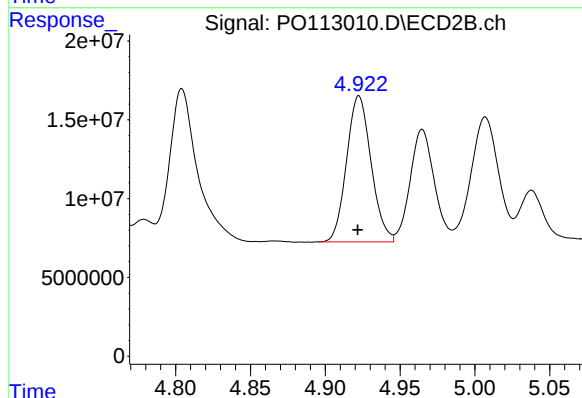
R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 203955870
Conc: 894.34 ng/ml



#18 AR-1242-3

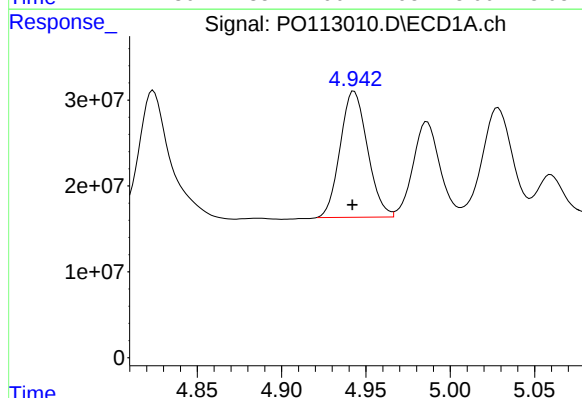
R.T.: 4.824 min
Delta R.T.: 0.000 min
Response: 205275217
Conc: 902.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



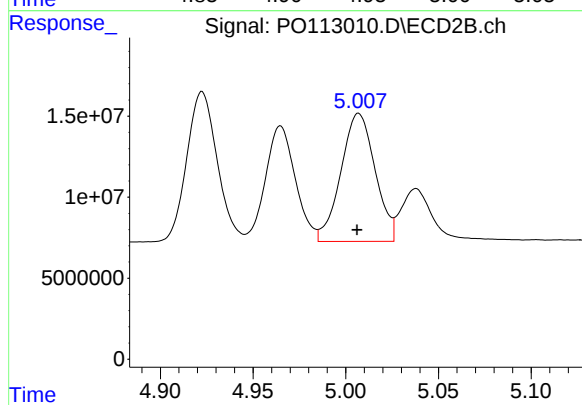
#18 AR-1242-3

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 105689998
Conc: 874.11 ng/ml



#19 AR-1242-4

R.T.: 4.943 min
Delta R.T.: 0.001 min
Response: 165269678
Conc: 901.45 ng/ml



#19 AR-1242-4

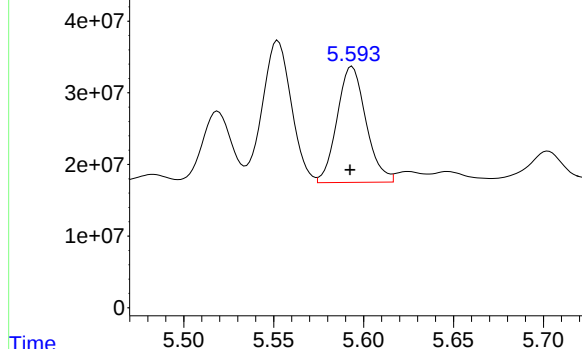
R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 101683397
Conc: 864.50 ng/ml

Response_

Signal: PO113010.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 5.594 min
Delta R.T.: 0.001 min
Response: 180656505
Conc: 862.18 ng/ml

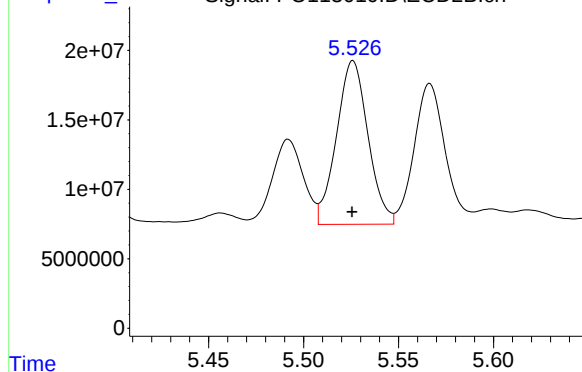
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Time

Response_

Signal: PO113010.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 136091884
Conc: 877.07 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:20
 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: Aug 19 05:01:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:00:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.663	3.655	620.6E6	380.4E6	71.701	72.170
2) SA Decachlor...	8.682	8.627	540.0E6	146.8E6	73.362	73.184
Target Compounds						
16) L4 AR-1242-1	4.748	4.729	175.1E6	107.3E6	721.386	704.350
17) L4 AR-1242-2	4.766	4.746	258.7E6	162.9E6	709.343	714.312
18) L4 AR-1242-3	4.823	4.922	163.5E6	85600439	719.316	707.956
19) L4 AR-1242-4	4.943	5.006	131.5E6	82987408	717.438	705.553
20) L4 AR-1242-5	5.593	5.525	147.5E6	109.5E6	703.881	705.578

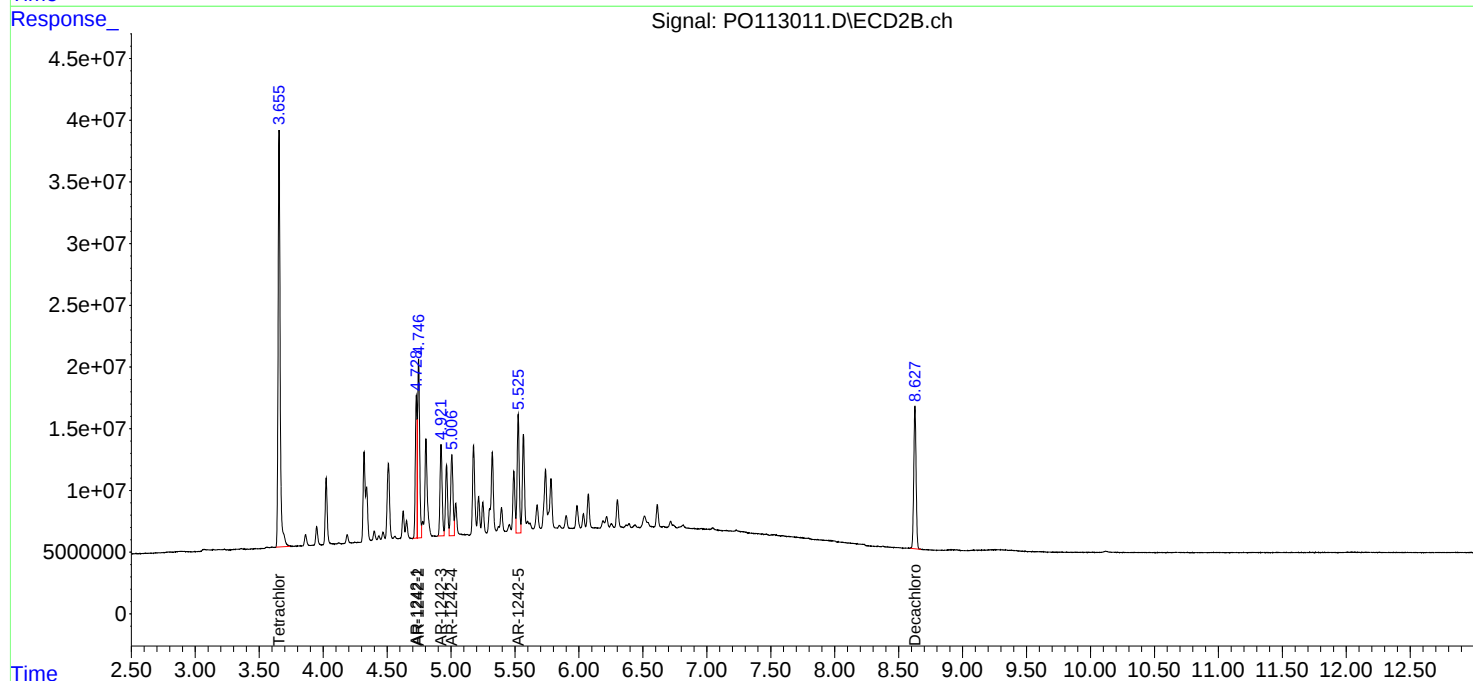
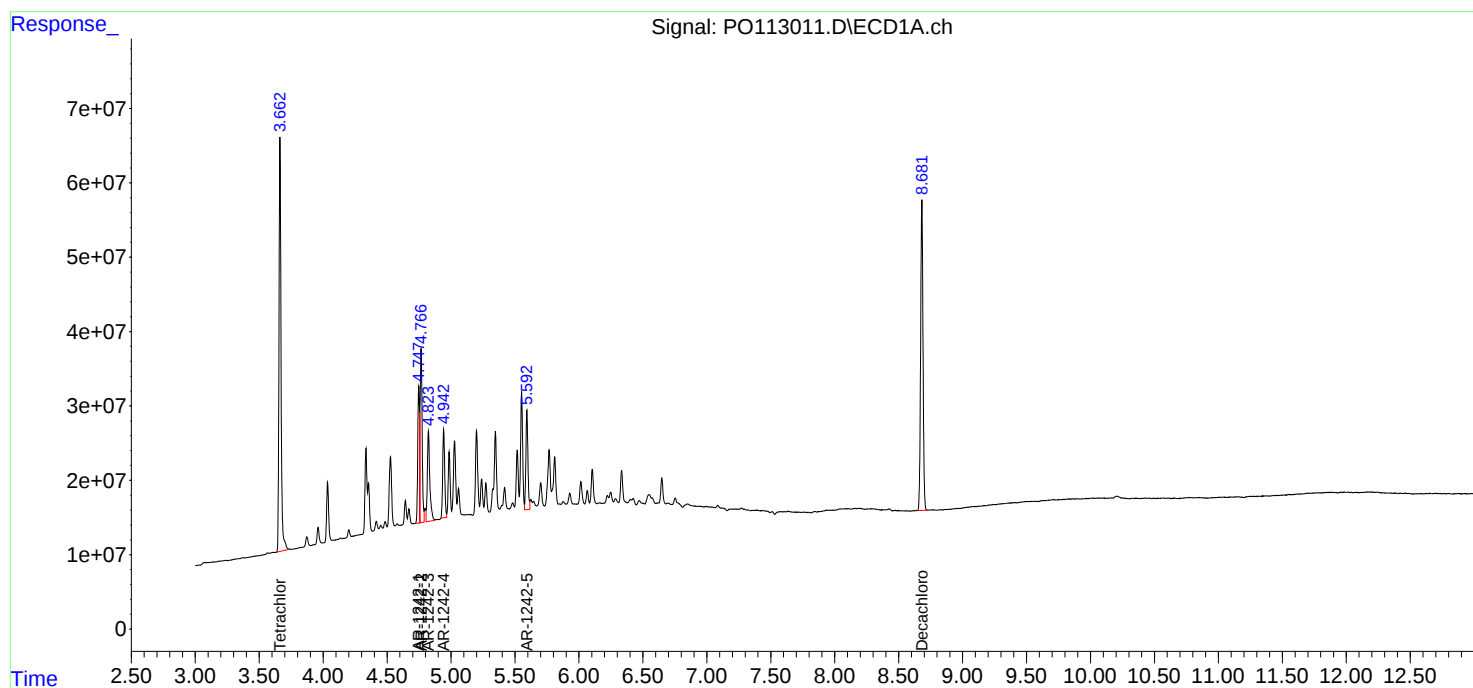
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

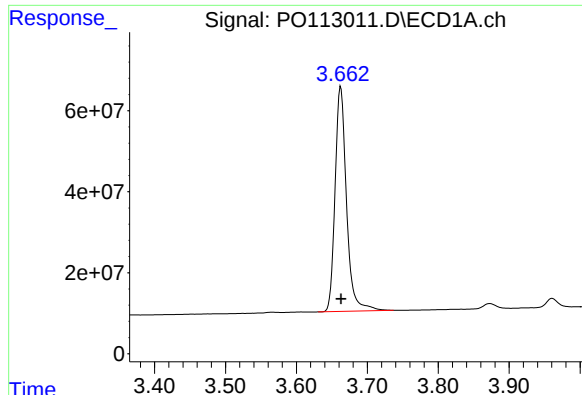
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:20
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:01:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:00:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

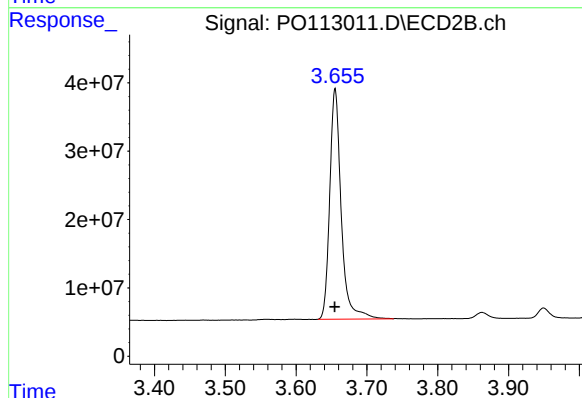




#1 Tetrachloro-m-xylene

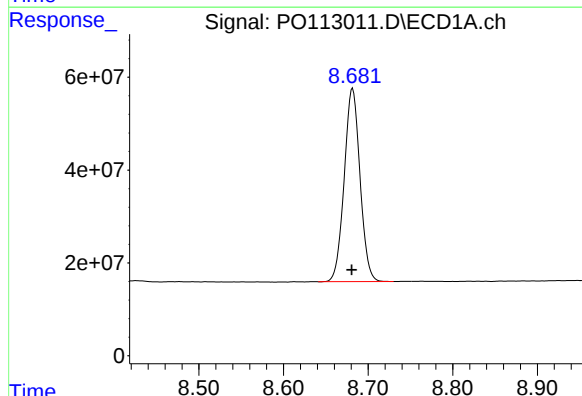
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 620585571
Conc: 71.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



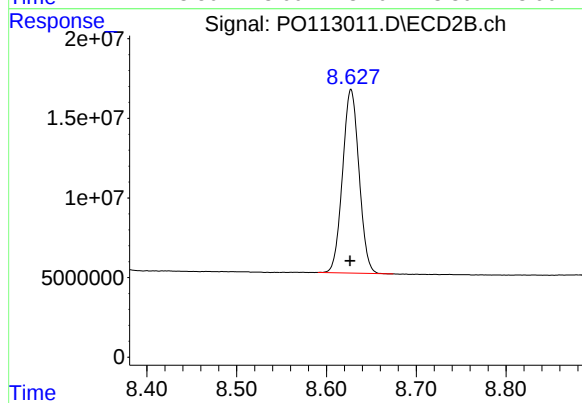
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 380350189
Conc: 72.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 539966666
Conc: 73.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: 0.001 min
Response: 146785524
Conc: 73.18 ng/ml

Response_

Signal: PO113011.D\ECD1A.ch

#16 AR-1242-1

R.T.: 4.748 min

Delta R.T.: 0.000 min

Response: 175144648

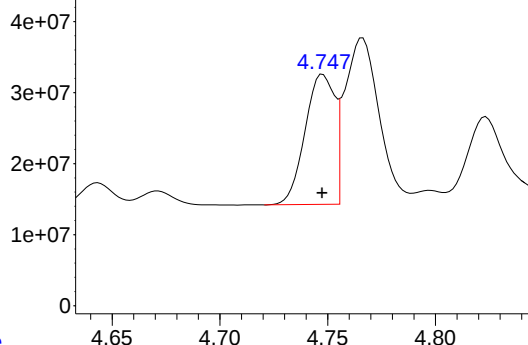
Conc: 721.39 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1242ICC750



Time

Response_

Signal: PO113011.D\ECD2B.ch

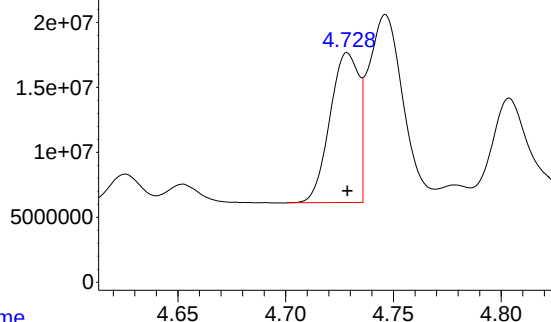
#16 AR-1242-1

R.T.: 4.729 min

Delta R.T.: 0.000 min

Response: 107339178

Conc: 704.35 ng/ml



Time

Response_

Signal: PO113011.D\ECD1A.ch

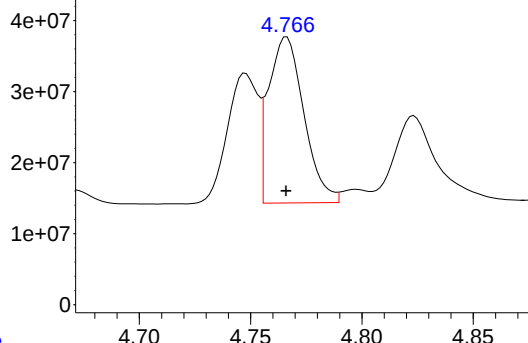
#17 AR-1242-2

R.T.: 4.766 min

Delta R.T.: 0.000 min

Response: 258710119

Conc: 709.34 ng/ml



Time

Response_

Signal: PO113011.D\ECD2B.ch

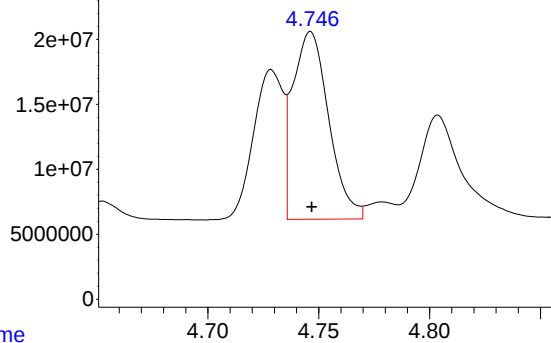
#17 AR-1242-2

R.T.: 4.746 min

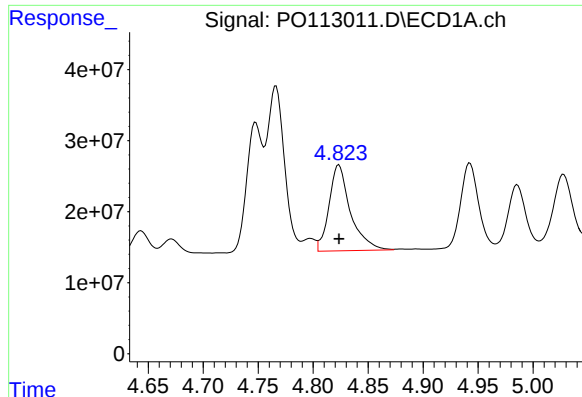
Delta R.T.: 0.000 min

Response: 162899928

Conc: 714.31 ng/ml



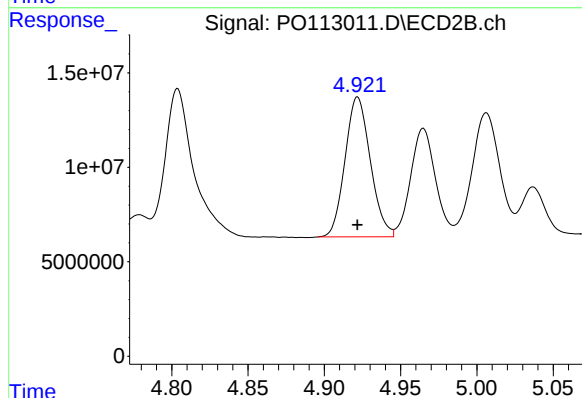
Time



#18 AR-1242-3

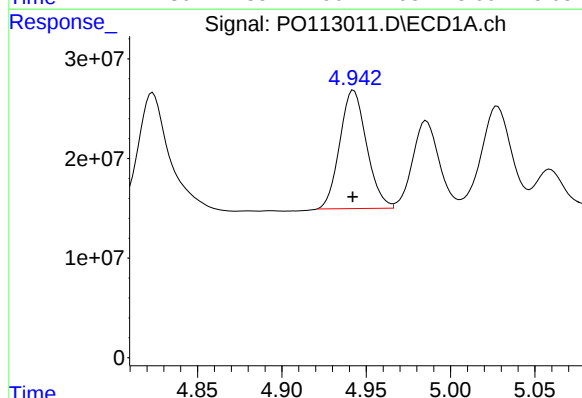
R.T.: 4.823 min
Delta R.T.: 0.000 min
Response: 163540867
Conc: 719.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



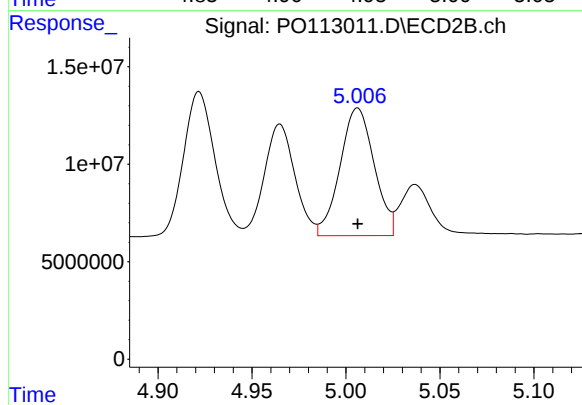
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 85600439
Conc: 707.96 ng/ml



#19 AR-1242-4

R.T.: 4.943 min
Delta R.T.: 0.000 min
Response: 131533404
Conc: 717.44 ng/ml



#19 AR-1242-4

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 82987408
Conc: 705.55 ng/ml

Response_

Signal: PO113011.D\ECD1A.ch

#20 AR-1242-5

R.T.: 5.593 min

Delta R.T.: 0.000 min

Response: 147487753

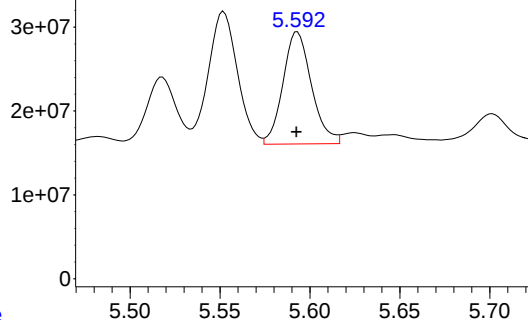
Conc: 703.88 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1242ICC750



Time

Response_

Signal: PO113011.D\ECD2B.ch

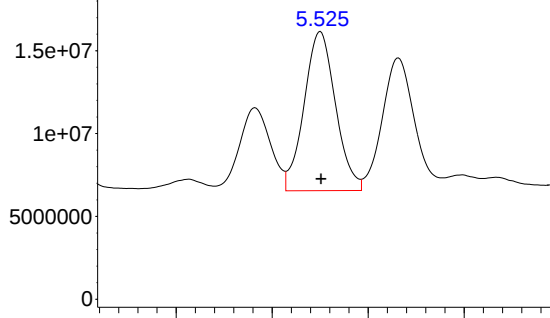
#20 AR-1242-5

R.T.: 5.525 min

Delta R.T.: 0.000 min

Response: 109482302

Conc: 705.58 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:38
 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: Aug 19 05:01:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:00:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.663	3.655	432.8E6	263.5E6	50.000	50.000
2) SA Decachlor...	8.681	8.626	368.0E6	100.3E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.747	4.729	121.4E6	76197369	500.000	500.000
17) L4 AR-1242-2	4.766	4.747	182.4E6	114.0E6	500.000	500.000
18) L4 AR-1242-3	4.824	4.922	113.7E6	60456076	500.000	500.000
19) L4 AR-1242-4	4.942	5.006	91668775	58810219	500.000	500.000
20) L4 AR-1242-5	5.592	5.526	104.8E6	77583399	500.000	500.000

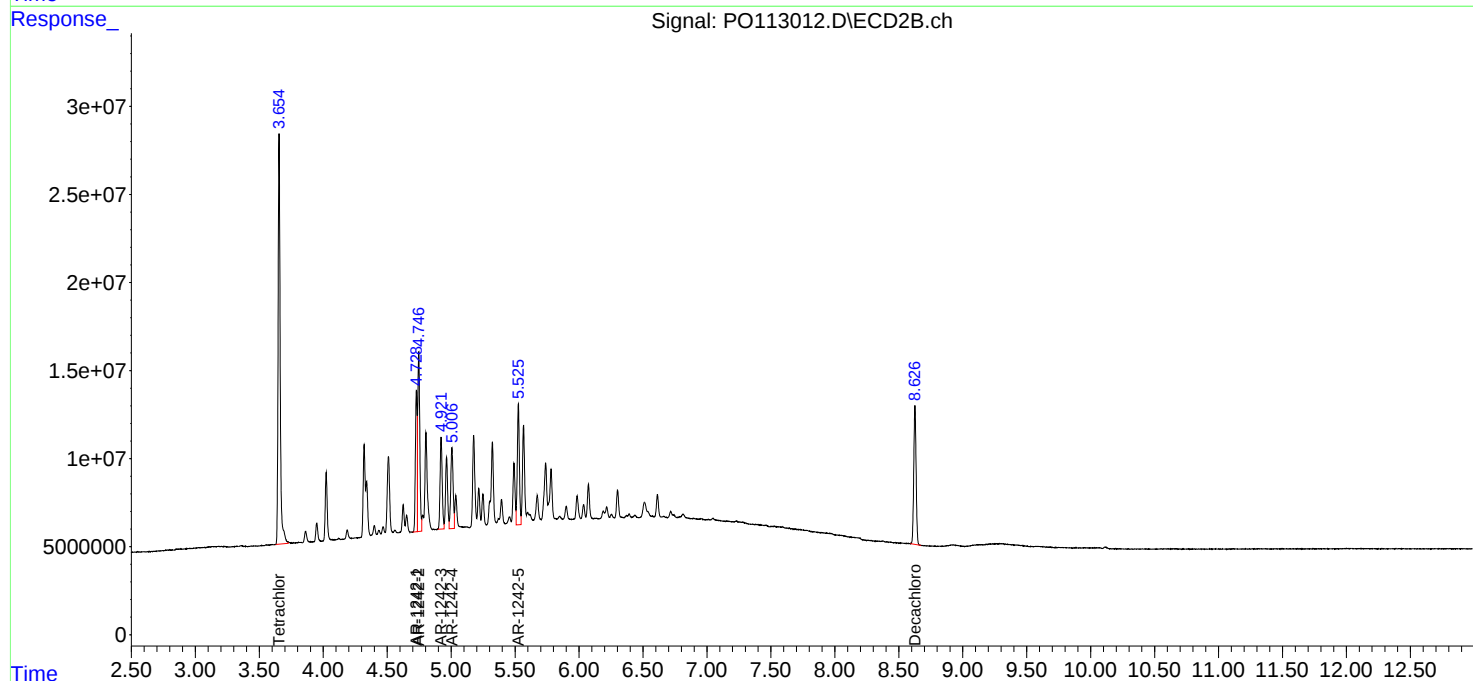
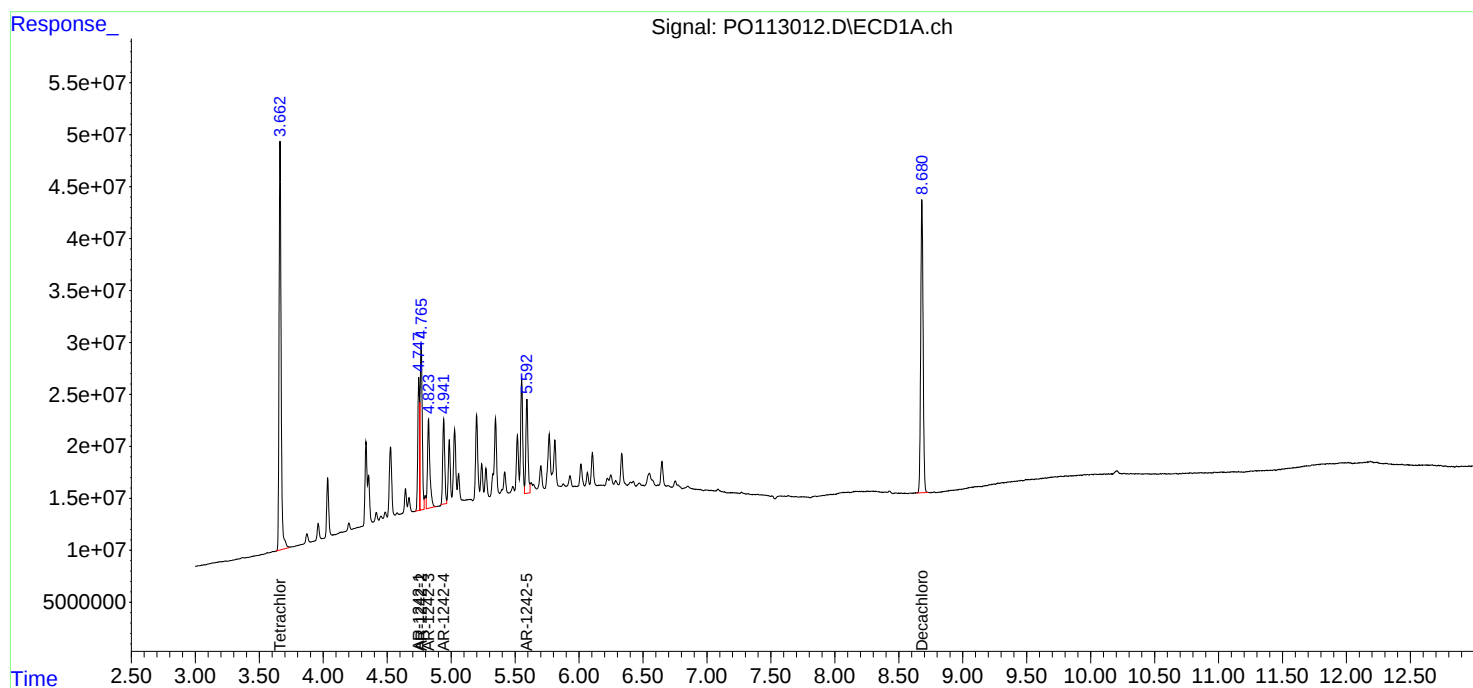
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:38
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: Aug 19 05:01:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:00:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_

Signal: PO113012.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.663 min

Delta R.T.: 0.000 min

Response: 432756344

Conc: 50.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1242ICC500

4e+07

2e+07

0

3.662

Time

3.40 3.50 3.60 3.70 3.80 3.90

Response_

Signal: PO113012.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.655 min

Delta R.T.: 0.000 min

Response: 263508272

Conc: 50.00 ng/ml

3e+07

2e+07

1e+07

0

3.654

Time

3.40 3.50 3.60 3.70 3.80 3.90

Response_

Signal: PO113012.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 8.681 min

Delta R.T.: 0.000 min

Response: 368014789

Conc: 50.00 ng/ml

5e+07

4e+07

3e+07

2e+07

1e+07

0

8.680

Time

8.50 8.60 8.70 8.80 8.90

Response_

Signal: PO113012.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.626 min

Delta R.T.: 0.000 min

Response: 100285144

Conc: 50.00 ng/ml

1.5e+07

1e+07

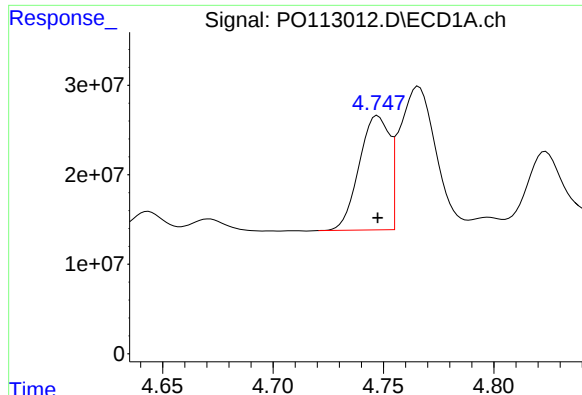
5000000

0

8.626

Time

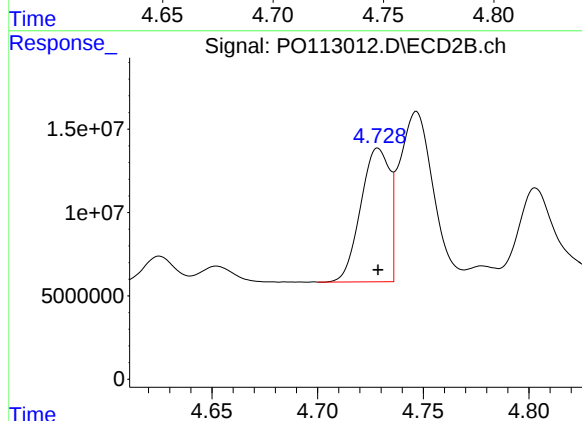
8.40 8.50 8.60 8.70 8.80



#16 AR-1242-1

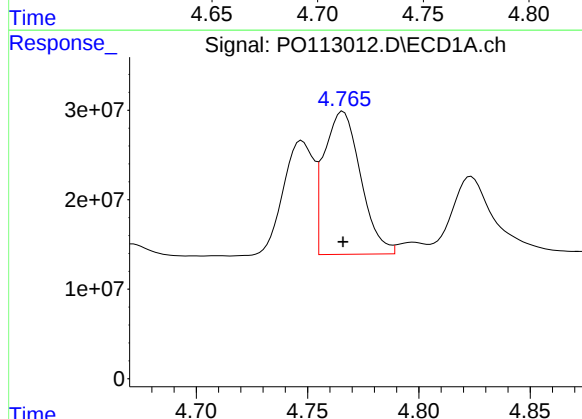
R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 121394484
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



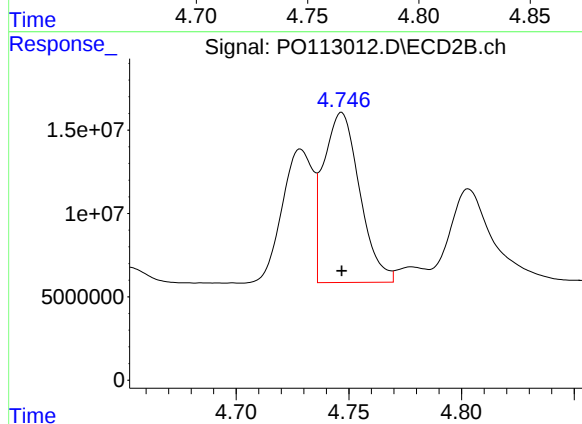
#16 AR-1242-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 76197369
Conc: 500.00 ng/ml



#17 AR-1242-2

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 182359094
Conc: 500.00 ng/ml



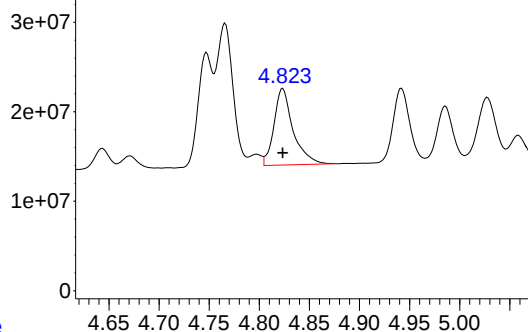
#17 AR-1242-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 114025772
Conc: 500.00 ng/ml

Response_

Signal: PO113012.D\ECD1A.ch

#18 AR-1242-3



R.T.: 4.824 min
Delta R.T.: 0.000 min
Response: 113678087
Conc: 500.00 ng/ml

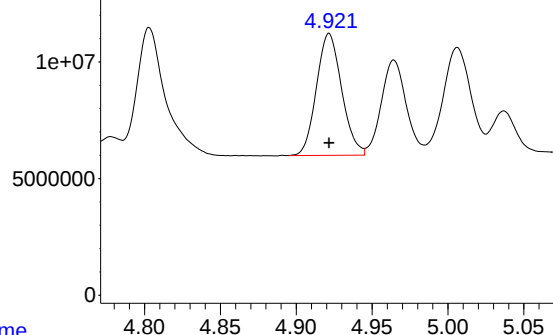
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Time

Response_

Signal: PO113012.D\ECD2B.ch

#18 AR-1242-3



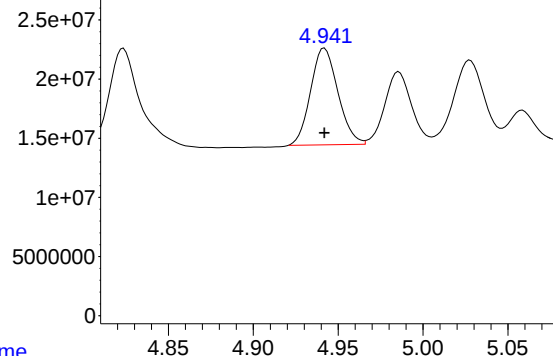
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 60456076
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113012.D\ECD1A.ch

#19 AR-1242-4



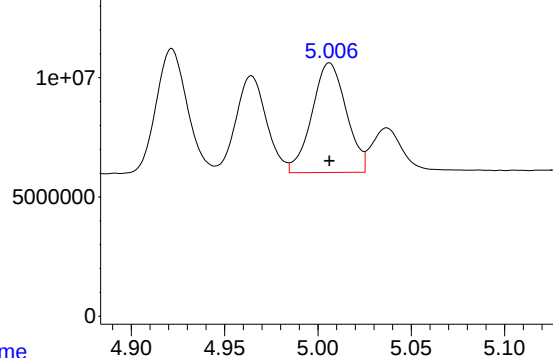
R.T.: 4.942 min
Delta R.T.: 0.000 min
Response: 91668775
Conc: 500.00 ng/ml

Time

Response_

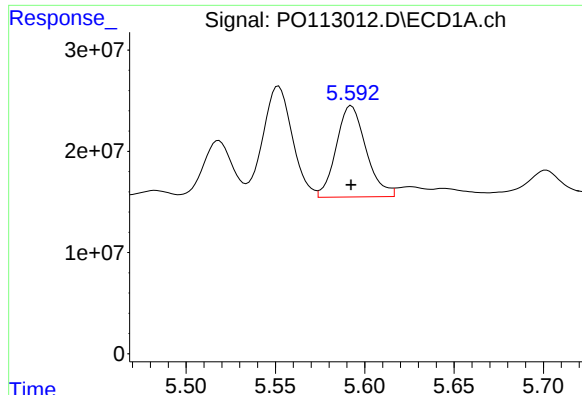
Signal: PO113012.D\ECD2B.ch

#19 AR-1242-4



R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 58810219
Conc: 500.00 ng/ml

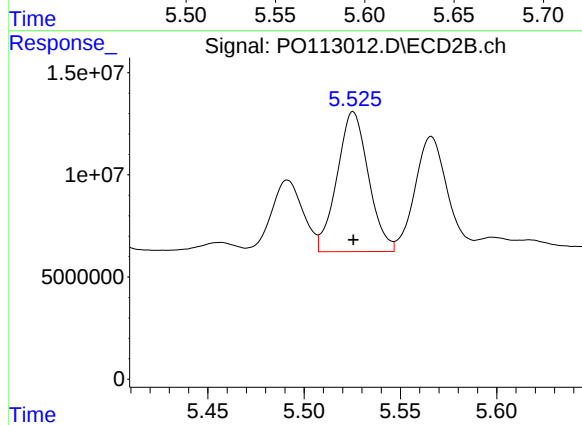
Time



#20 AR-1242-5

R.T.: 5.592 min
Delta R.T.: 0.000 min
Response: 104767525
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 77583399
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:57
 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: Aug 19 05:02:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:00:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.664	3.656	212.9E6	131.8E6	24.601	25.001
2) SA Decachlor...	8.683	8.629	181.6E6	50519854	24.673	25.188
Target Compounds						
16) L4 AR-1242-1	4.749	4.730	60181316	39111281	247.875	256.645
17) L4 AR-1242-2	4.768	4.748	91044620	58590662	249.630	256.919
18) L4 AR-1242-3	4.824	4.923	56585858	30921281	248.886	255.733
19) L4 AR-1242-4	4.944	5.007	46289370	30803322	252.482	261.887
20) L4 AR-1242-5	5.594	5.527	53931193	40625723	257.385	261.820

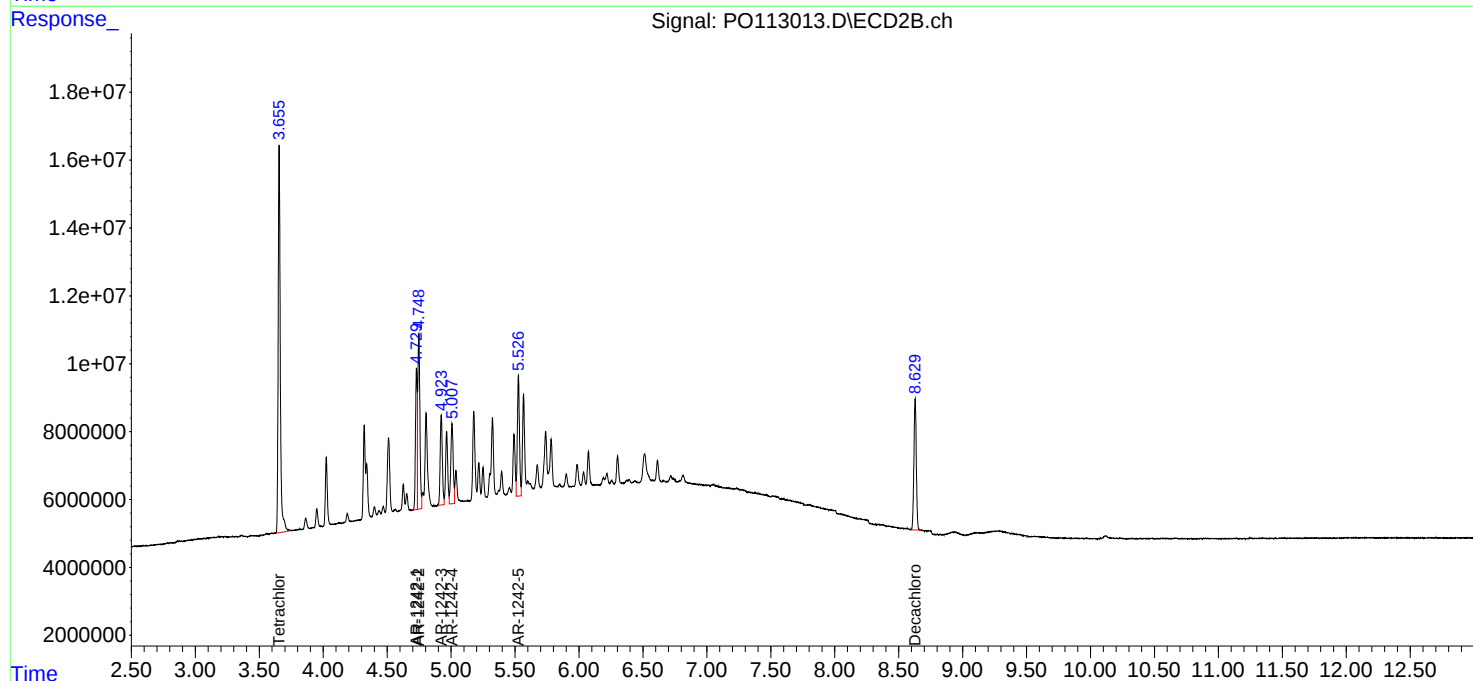
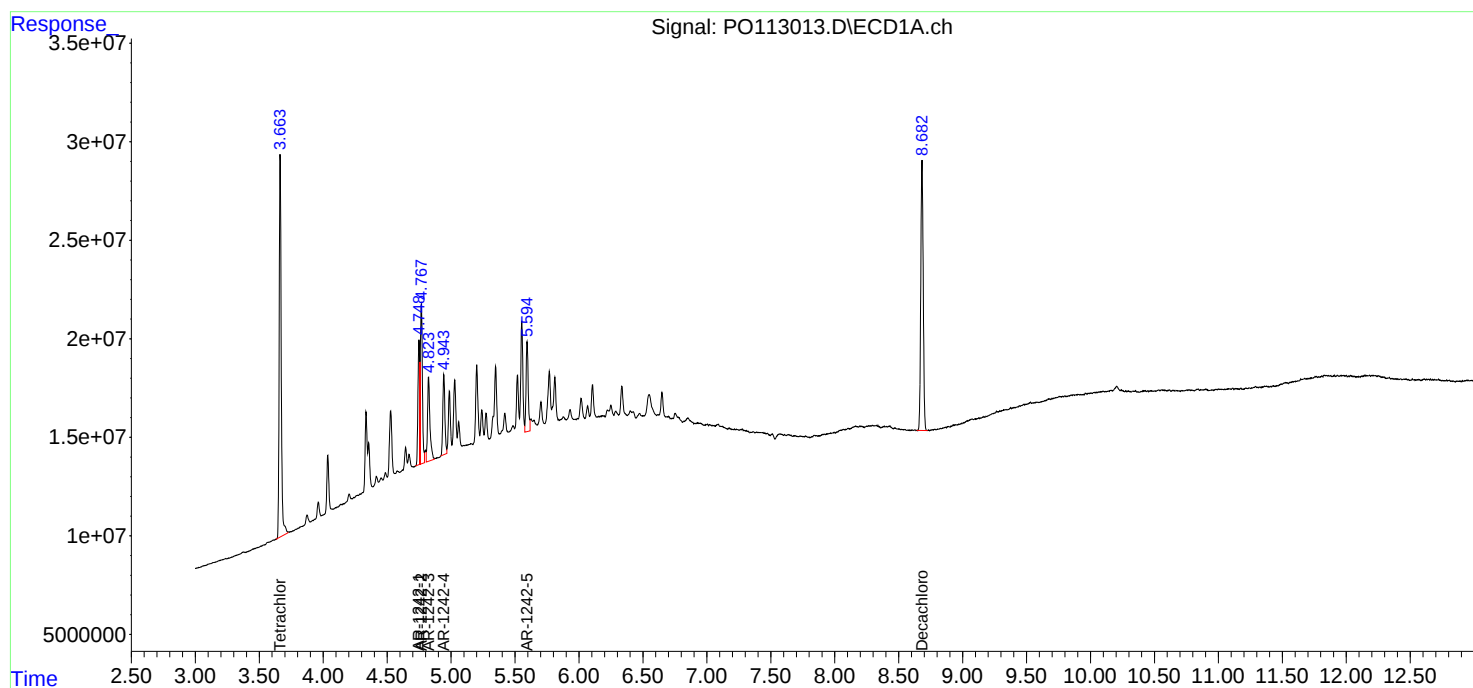
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

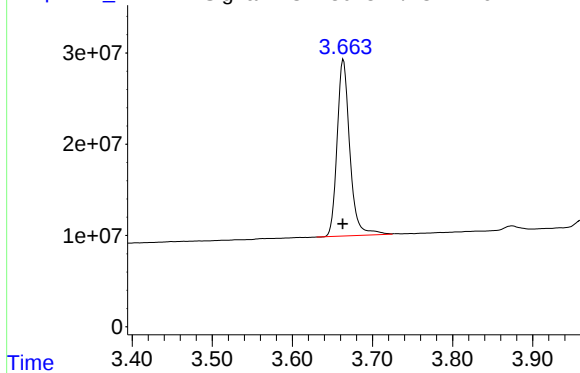
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:57
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:02:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:00:30 2025
Response via : Initial Calibration
Integrator: ChemStation

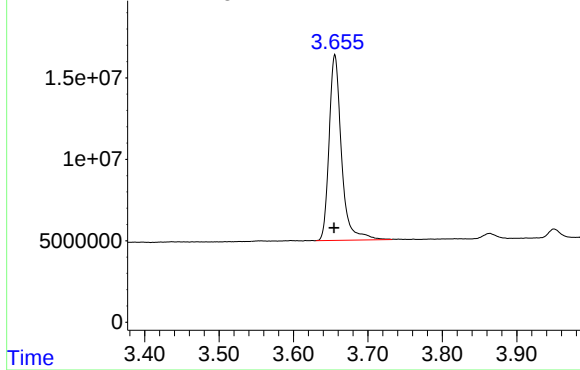
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



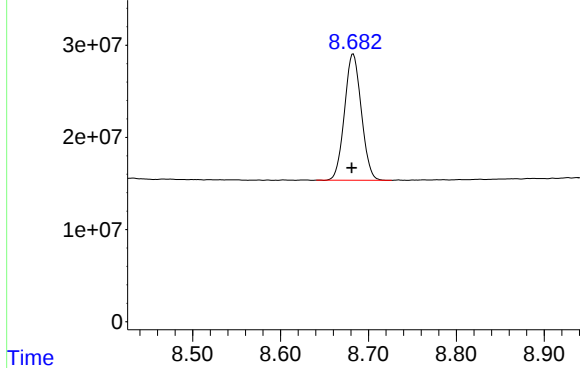


R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 212926186
Conc: 24.60 ng/ml

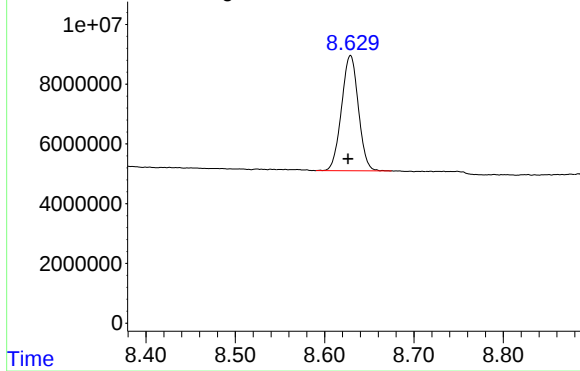
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



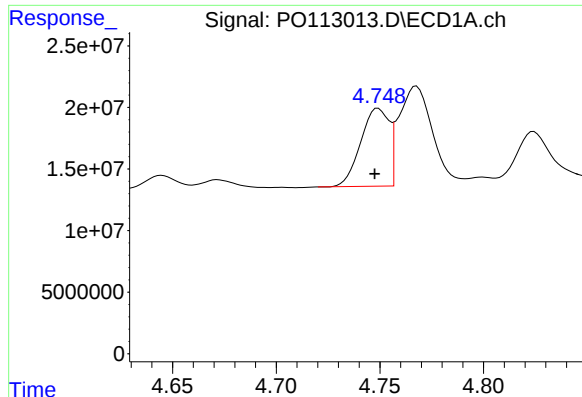
R.T.: 3.656 min
Delta R.T.: 0.001 min
Response: 131761932
Conc: 25.00 ng/ml



R.T.: 8.683 min
Delta R.T.: 0.002 min
Response: 181602587
Conc: 24.67 ng/ml



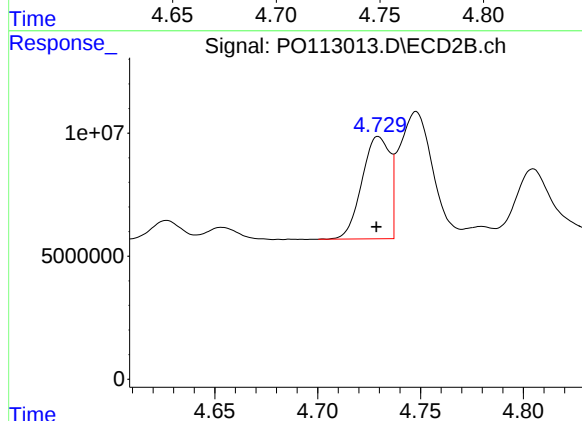
R.T.: 8.629 min
Delta R.T.: 0.003 min
Response: 50519854
Conc: 25.19 ng/ml



#16 AR-1242-1

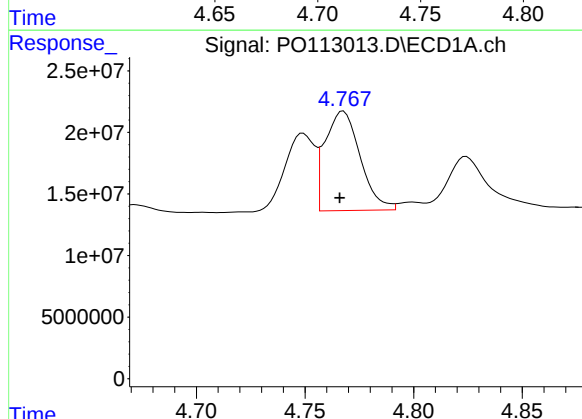
R.T.: 4.749 min
Delta R.T.: 0.002 min
Response: 60181316
Conc: 247.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



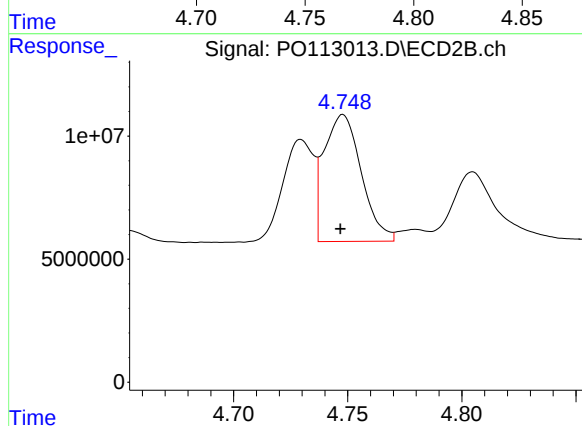
#16 AR-1242-1

R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 39111281
Conc: 256.64 ng/ml



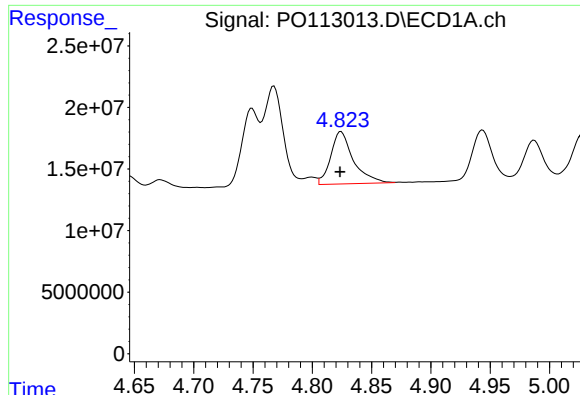
#17 AR-1242-2

R.T.: 4.768 min
Delta R.T.: 0.002 min
Response: 91044620
Conc: 249.63 ng/ml



#17 AR-1242-2

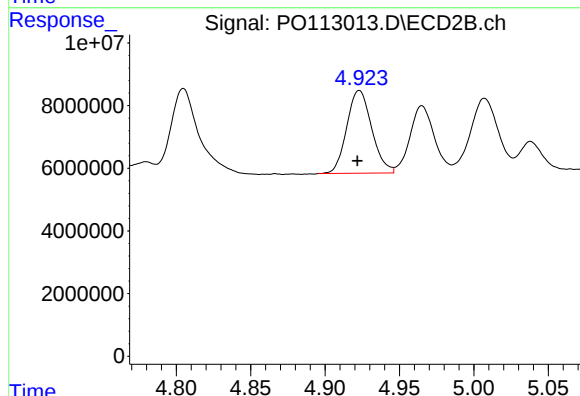
R.T.: 4.748 min
Delta R.T.: 0.001 min
Response: 58590662
Conc: 256.92 ng/ml



#18 AR-1242-3

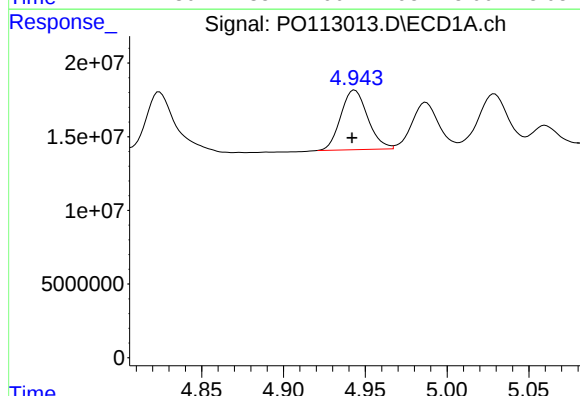
R.T.: 4.824 min
Delta R.T.: 0.000 min
Response: 56585858
Conc: 248.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



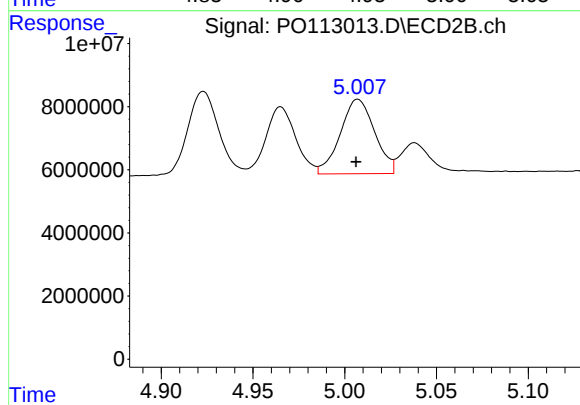
#18 AR-1242-3

R.T.: 4.923 min
Delta R.T.: 0.001 min
Response: 30921281
Conc: 255.73 ng/ml



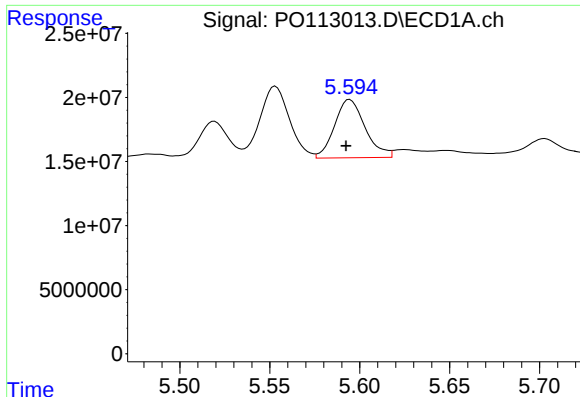
#19 AR-1242-4

R.T.: 4.944 min
Delta R.T.: 0.002 min
Response: 46289370
Conc: 252.48 ng/ml



#19 AR-1242-4

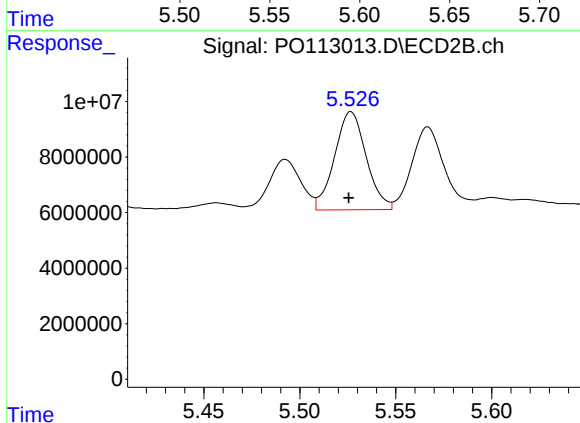
R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 30803322
Conc: 261.89 ng/ml



#20 AR-1242-5

R.T.: 5.594 min
Delta R.T.: 0.002 min
Response: 53931193
Conc: 257.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.527 min
Delta R.T.: 0.001 min
Response: 40625723
Conc: 261.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\P0081825\
 Data File : P0113014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 13:15
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:02:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:00:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.663	3.655	34925483	22528993	4.035	4.275
2)	SA Decachlor...	8.681	8.627	30372133	8862645	4.126	4.419
Target Compounds							
16)	L4 AR-1242-1	4.747	4.728	10680758	6834075	43.992m	44.845m
17)	L4 AR-1242-2	4.766	4.747	15815267	10049295	43.363m	44.066
18)	L4 AR-1242-3	4.824	4.922	11619589	6020015	51.107	49.788
19)	L4 AR-1242-4	4.943	5.007	7908544	6750995	43.137	57.396 #
20)	L4 AR-1242-5	5.592	5.526	9912247	7296334	47.306m	47.023m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 13:15
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

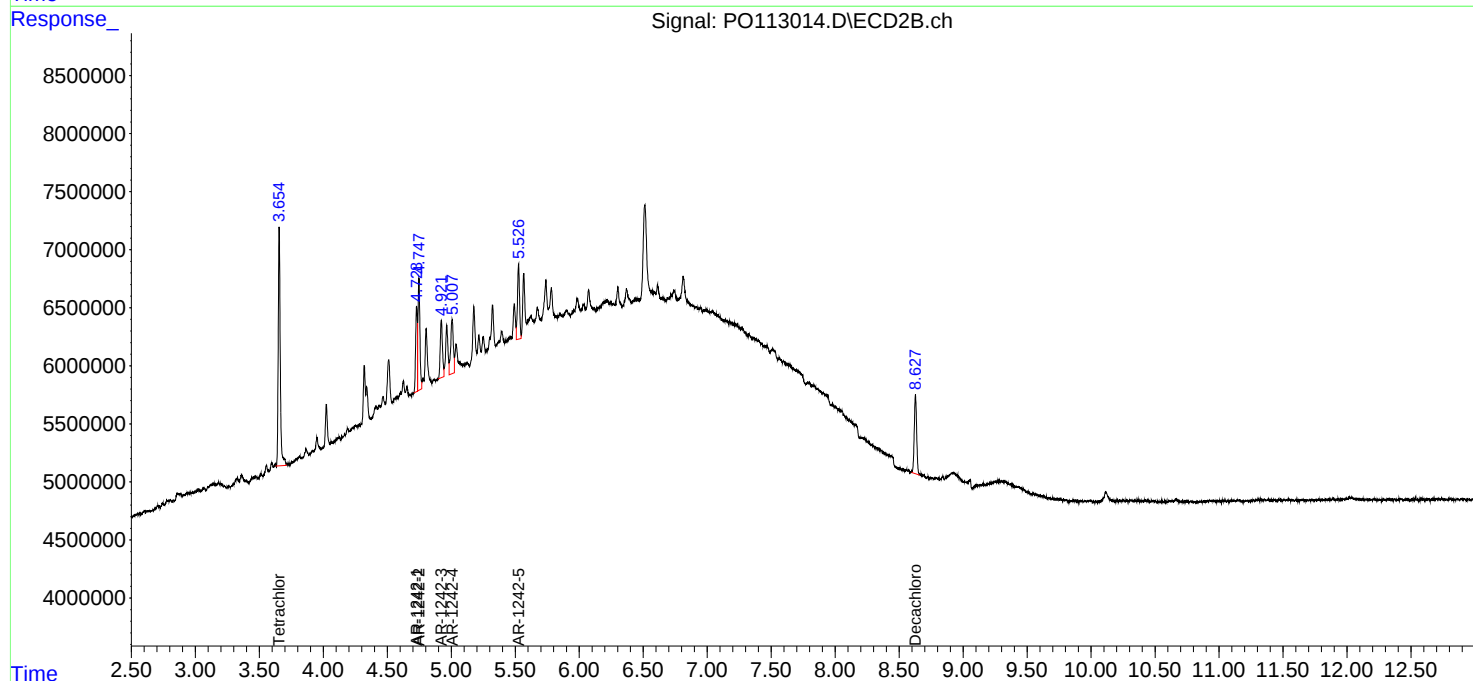
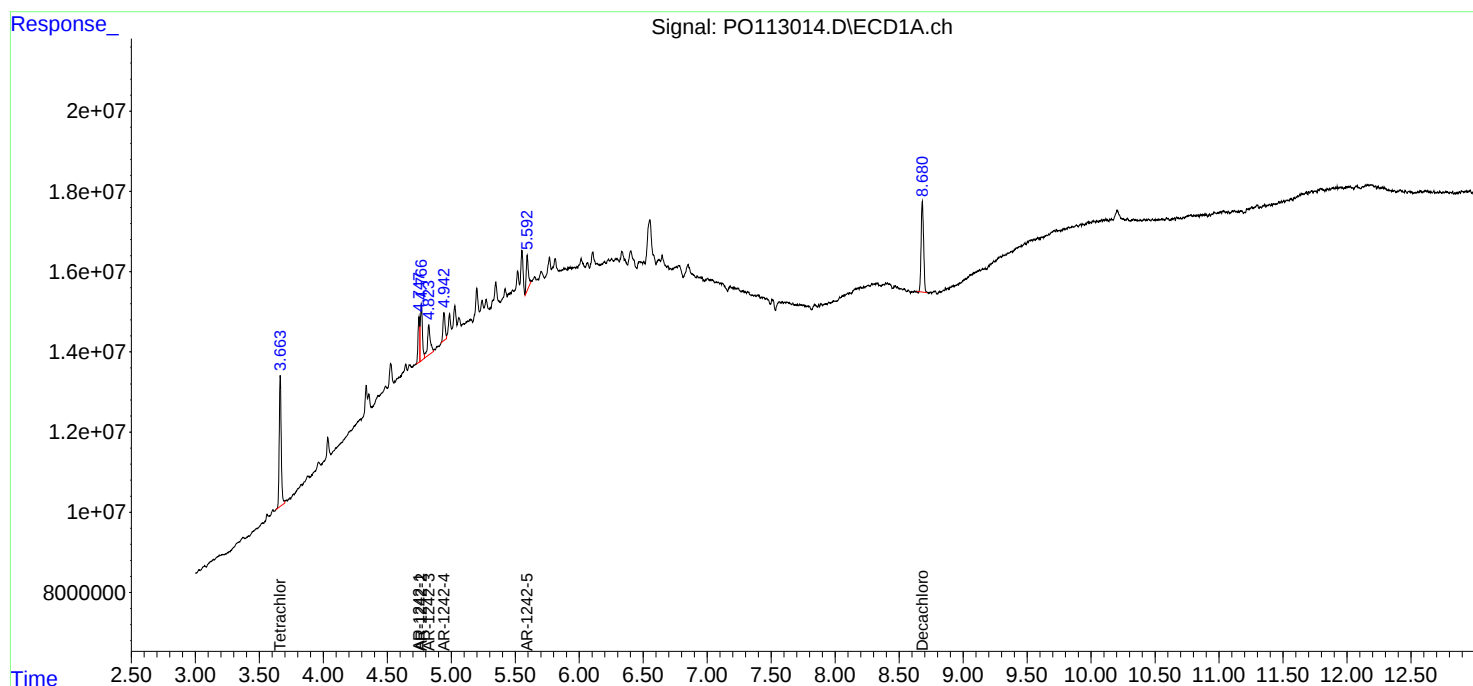
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

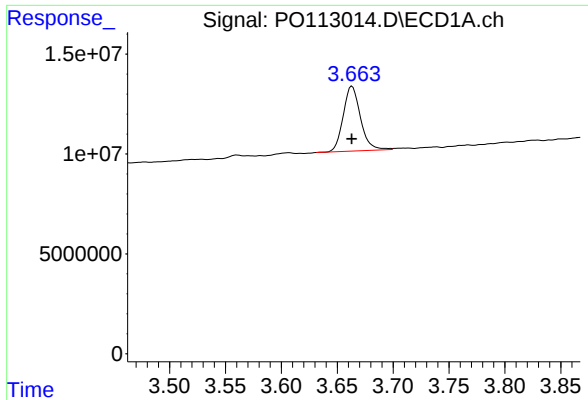
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:02:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:00:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

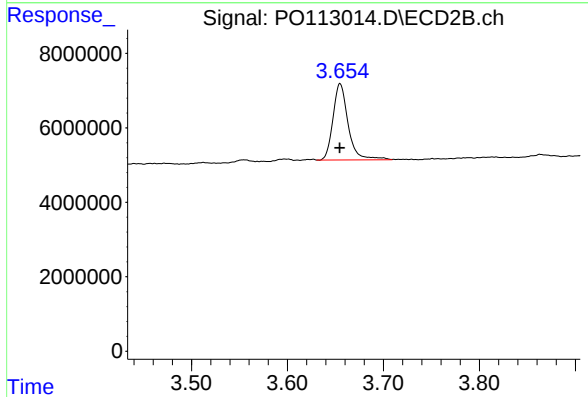
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 34925483
Conc: 4.04 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

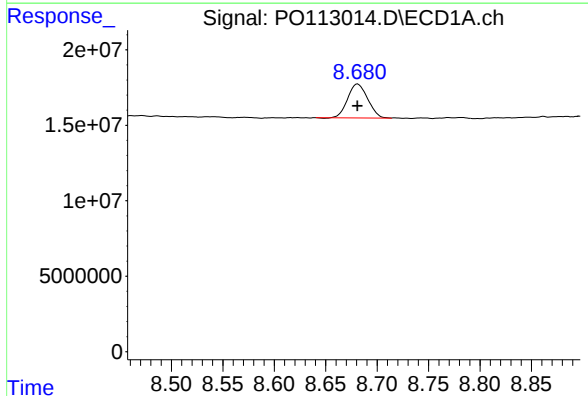
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



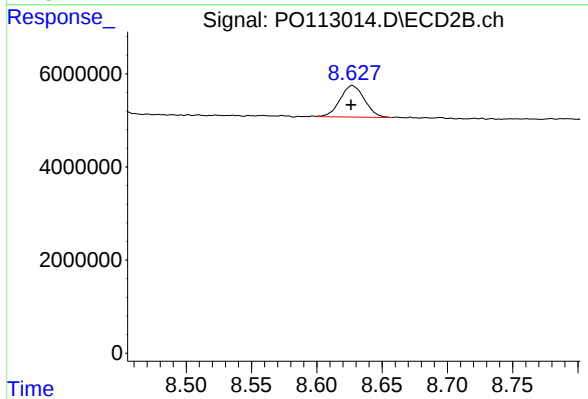
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 22528993
Conc: 4.27 ng/ml



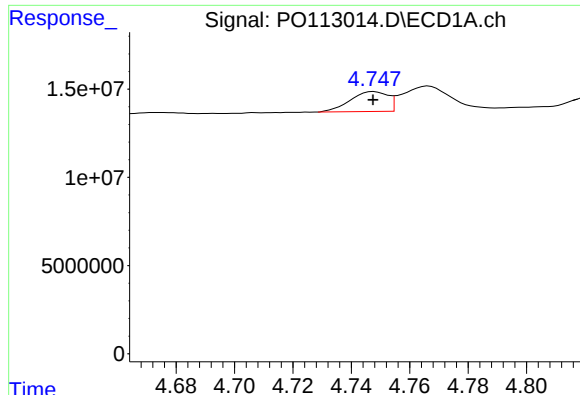
#2 Decachlorobiphenyl

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 30372133
Conc: 4.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 8862645
Conc: 4.42 ng/ml



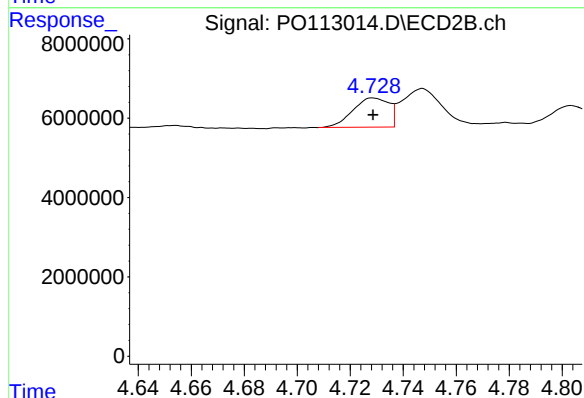
#16 AR-1242-1

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 10680758
Conc: 43.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

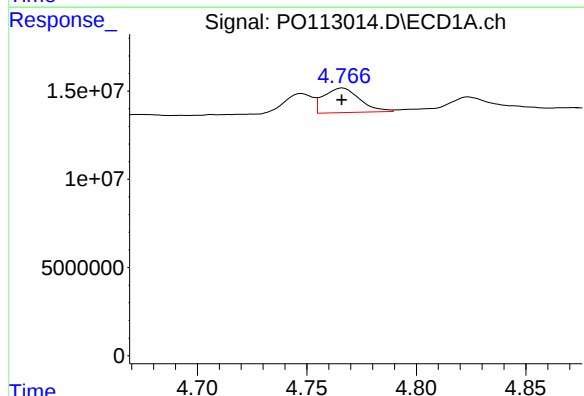
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



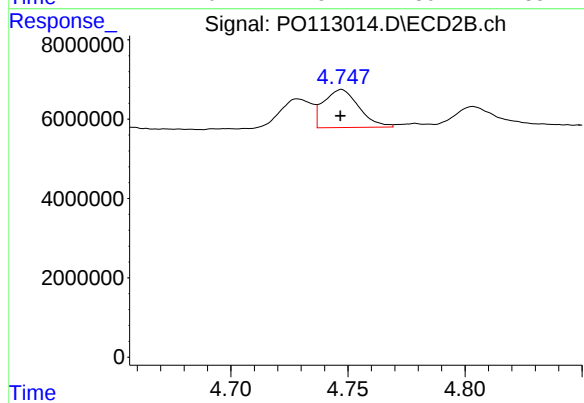
#16 AR-1242-1

R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 6834075
Conc: 44.84 ng/ml m



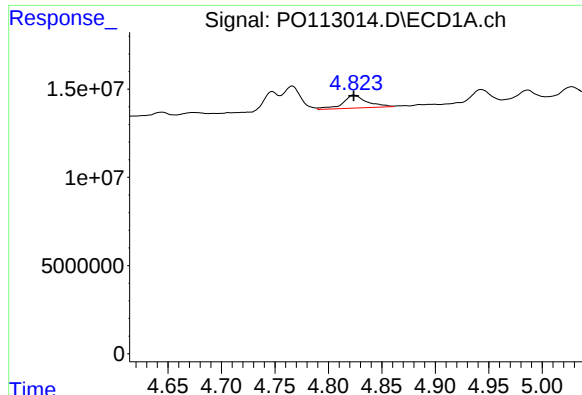
#17 AR-1242-2

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 15815267
Conc: 43.36 ng/ml m



#17 AR-1242-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 10049295
Conc: 44.07 ng/ml



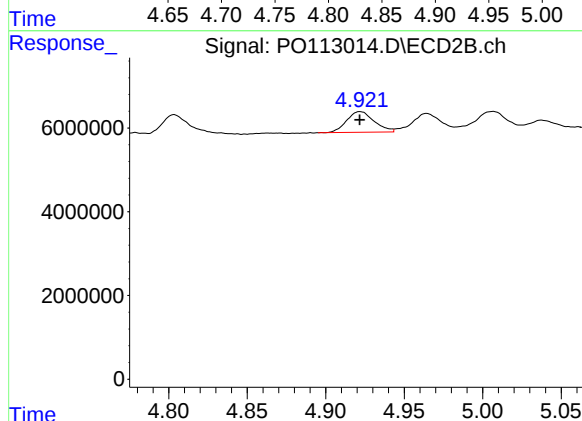
#18 AR-1242-3

R.T.: 4.824 min
Delta R.T.: 0.000 min
Response: 11619589
Conc: 51.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

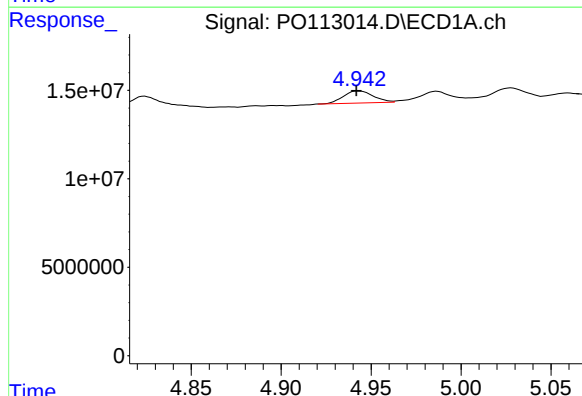
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



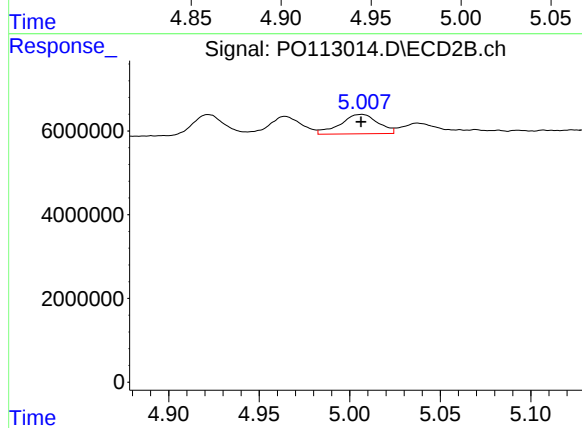
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 6020015
Conc: 49.79 ng/ml



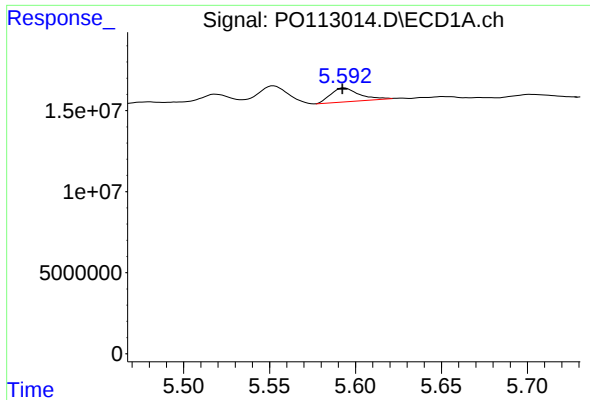
#19 AR-1242-4

R.T.: 4.943 min
Delta R.T.: 0.001 min
Response: 7908544
Conc: 43.14 ng/ml



#19 AR-1242-4

R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 6750995
Conc: 57.40 ng/ml



#20 AR-1242-5

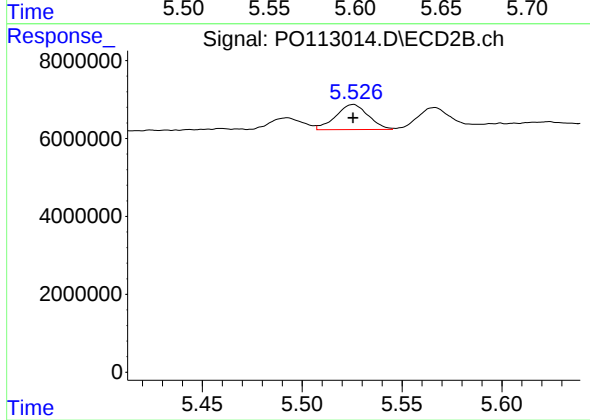
R.T.: 5.592 min
Delta R.T.: 0.000 min
Response: 9912247
Conc: 47.31 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 7296334
Conc: 47.02 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 13:34
 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: Aug 19 05:13:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:12:51 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...	3.663	3.655	838.2E6	504.7E6	97.589	96.994
2) SA Decachlor...	8.683	8.627	718.2E6	189.6E6	94.869	94.382
Target Compounds						
21) L5 AR-1248-1	4.748	4.729	177.6E6	108.5E6	964.791	927.767
22) L5 AR-1248-2	4.986	4.965	240.1E6	150.8E6	971.626	922.798
23) L5 AR-1248-3	5.200	5.006	306.1E6	159.4E6	928.687	921.357
24) L5 AR-1248-4	5.552	5.177	475.5E6	188.3E6	935.504	918.888
25) L5 AR-1248-5	5.593	5.567	324.2E6	194.0E6	930.863	916.030

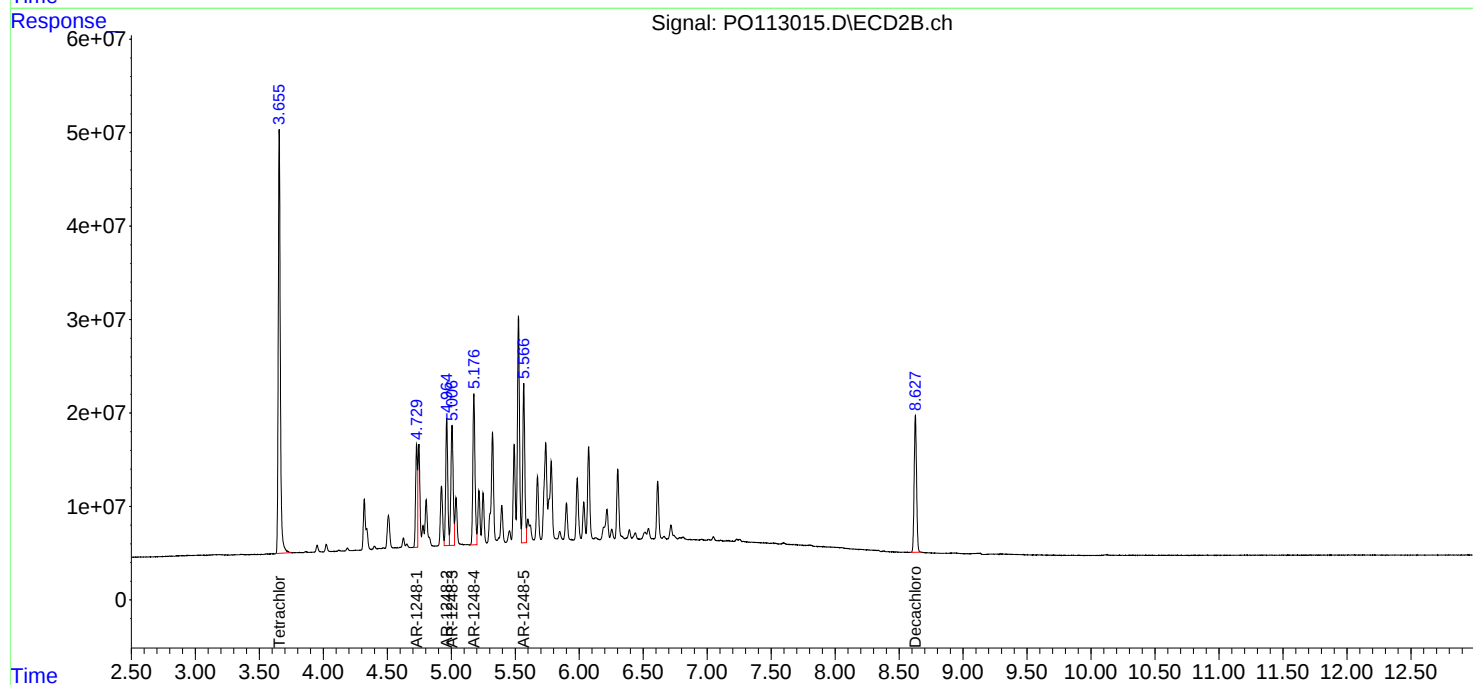
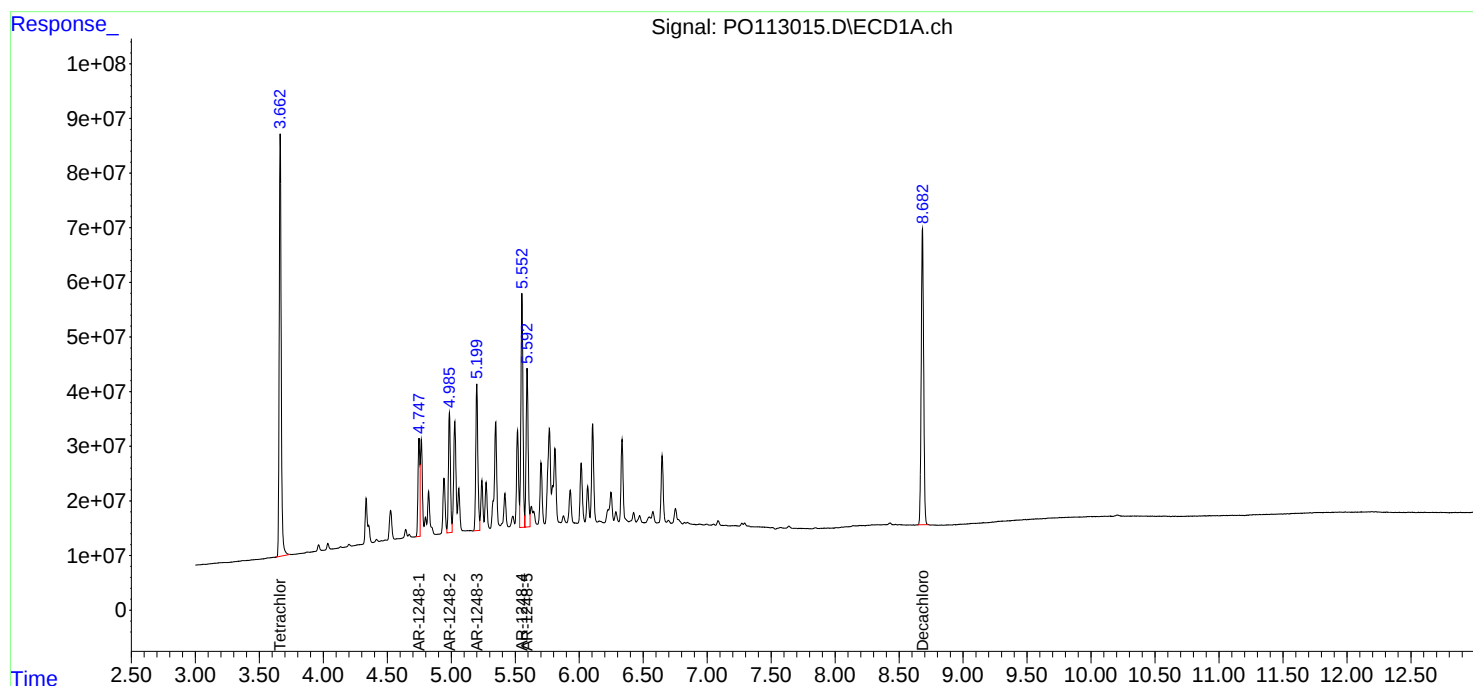
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

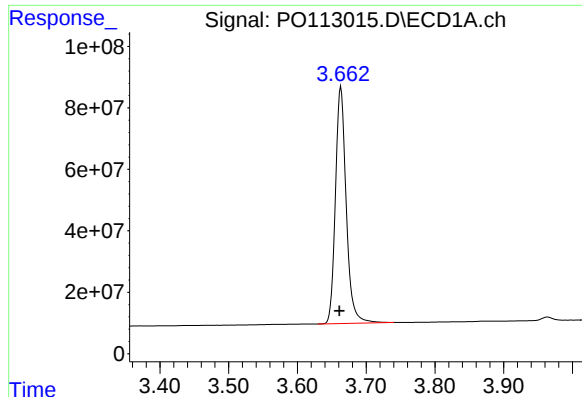
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 13:34
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:13:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:12:51 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

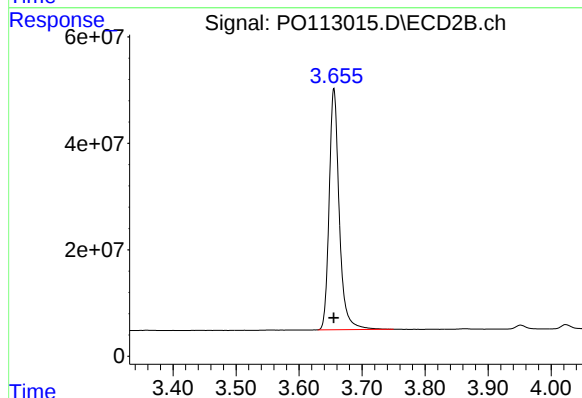




#1 Tetrachloro-m-xylene

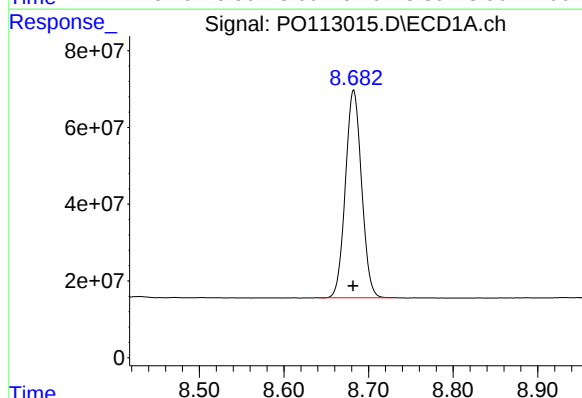
R.T.: 3.663 min
Delta R.T.: 0.002 min
Response: 838182615
Conc: 97.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



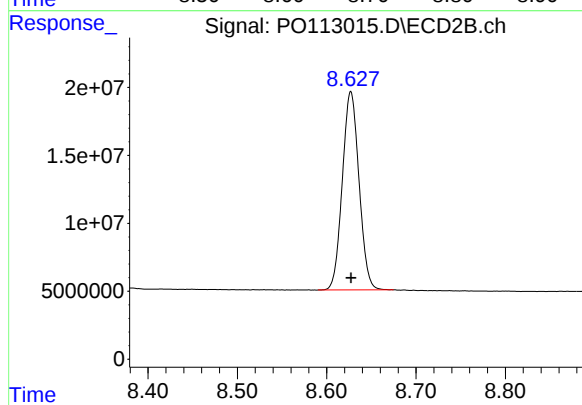
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 504699430
Conc: 96.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.683 min
Delta R.T.: 0.001 min
Response: 718165907
Conc: 94.87 ng/ml



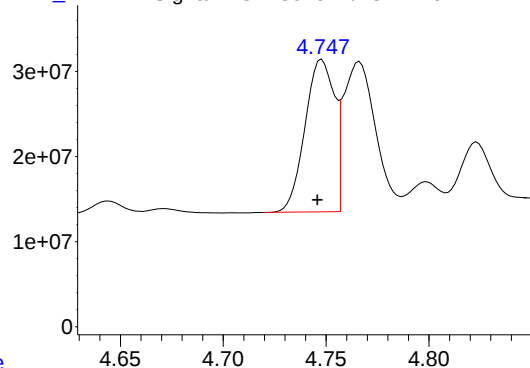
#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 189588294
Conc: 94.38 ng/ml

Response_

Signal: PO113015.D\ECD1A.ch

#21 AR-1248-1



R.T.: 4.748 min
Delta R.T.: 0.002 min
Response: 177555092
Conc: 964.79 ng/ml

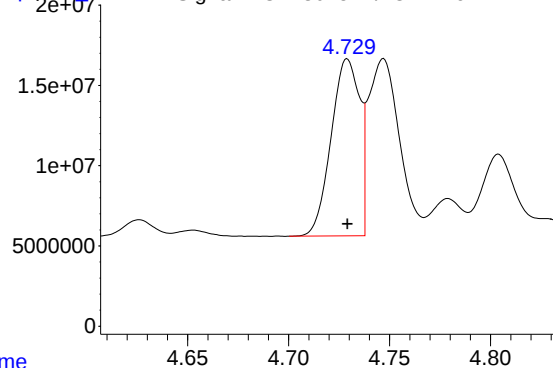
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Time

Response_

Signal: PO113015.D\ECD2B.ch

#21 AR-1248-1



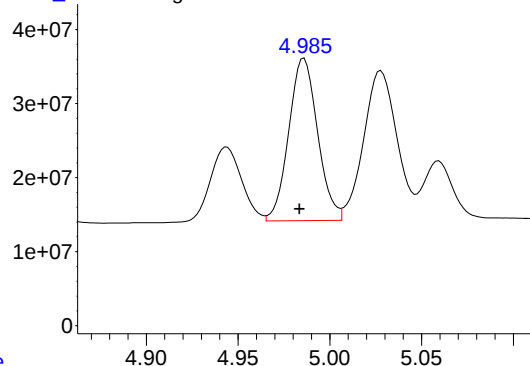
R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 108471143
Conc: 927.77 ng/ml

Time

Response_

Signal: PO113015.D\ECD1A.ch

#22 AR-1248-2



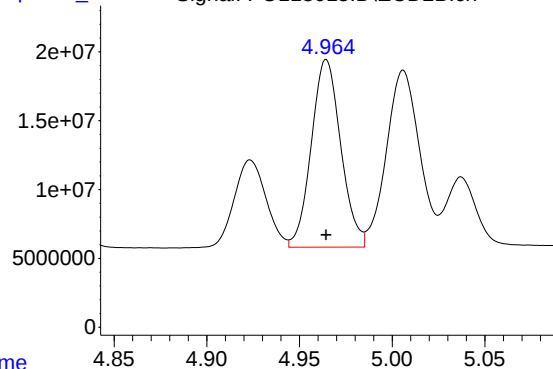
R.T.: 4.986 min
Delta R.T.: 0.003 min
Response: 240102006
Conc: 971.63 ng/ml

Time

Response_

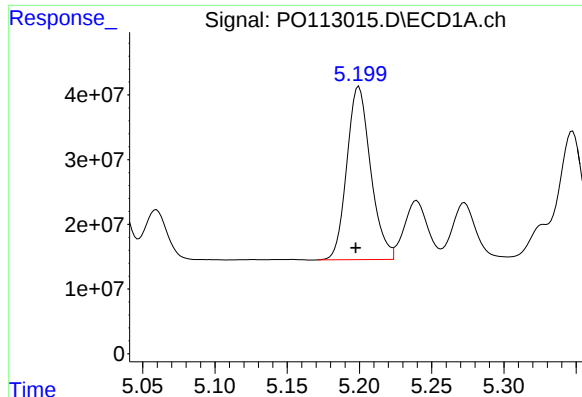
Signal: PO113015.D\ECD2B.ch

#22 AR-1248-2



R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 150794660
Conc: 922.80 ng/ml

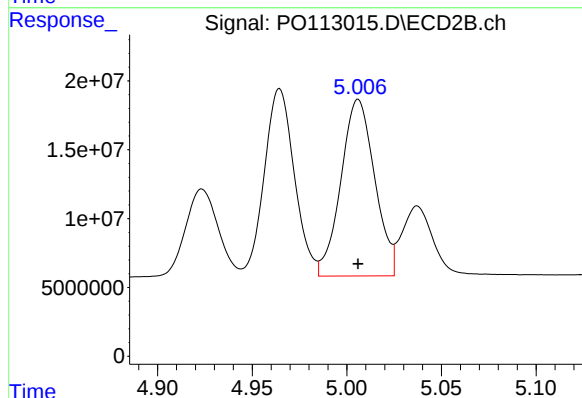
Time



#23 AR-1248-3

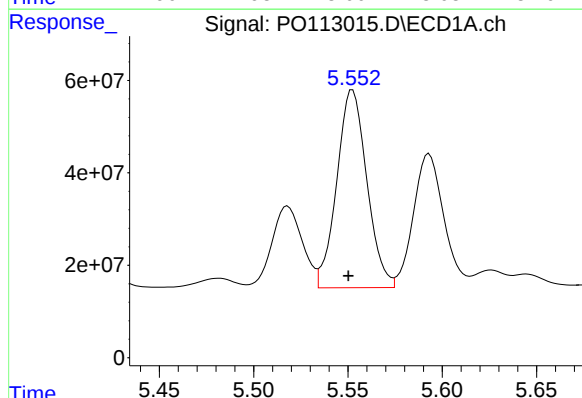
R.T.: 5.200 min
Delta R.T.: 0.002 min
Response: 306109229
Conc: 928.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



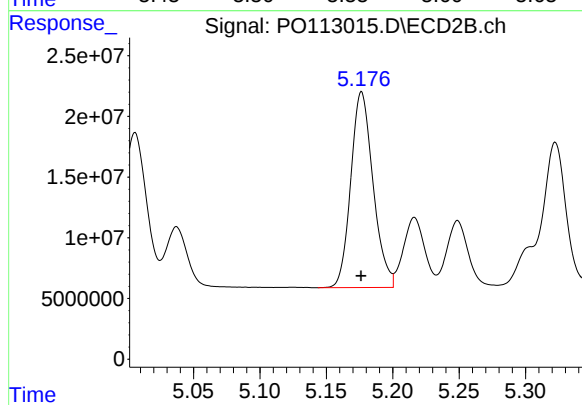
#23 AR-1248-3

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 159433549
Conc: 921.36 ng/ml



#24 AR-1248-4

R.T.: 5.552 min
Delta R.T.: 0.002 min
Response: 475546851
Conc: 935.50 ng/ml



#24 AR-1248-4

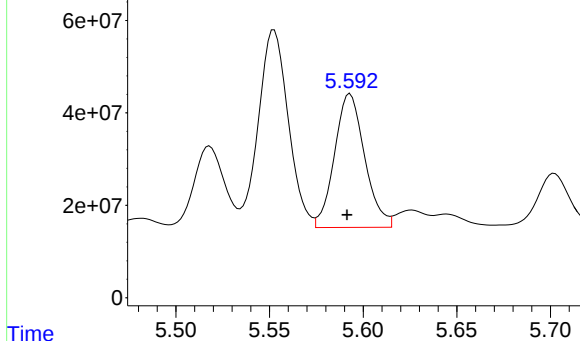
R.T.: 5.177 min
Delta R.T.: 0.000 min
Response: 188271317
Conc: 918.89 ng/ml

Response_

Signal: PO113015.D\ECD1A.ch

#25 AR-1248-5

ICAL Form



R.T.: 5.593 min
Delta R.T.: 0.002 min
Response: 324226410
Conc: 930.86 ng/ml

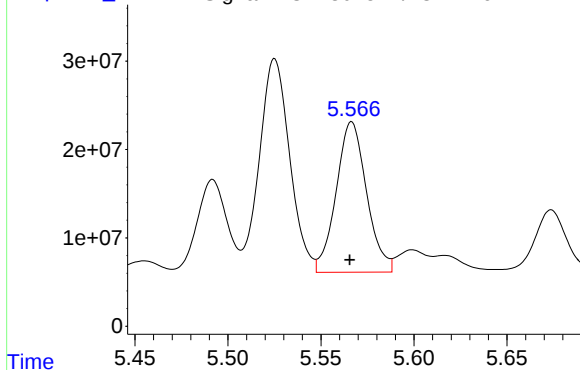
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Time

Response_

Signal: PO113015.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 194018440
Conc: 916.03 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 13:52
 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: Aug 19 05:13:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:12:51 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...	3.663	3.655	641.1E6	386.6E6	74.640	74.305
2) SA Decachlor...	8.682	8.628	563.6E6	148.6E6	74.452	73.955
Target Compounds						
21) L5 AR-1248-1	4.748	4.728	136.0E6	84958849	738.729	726.663
22) L5 AR-1248-2	4.986	4.964	184.8E6	118.3E6	747.715	723.853
23) L5 AR-1248-3	5.200	5.006	236.8E6	124.8E6	718.364	721.172
24) L5 AR-1248-4	5.552	5.176	368.4E6	146.9E6	724.738	716.783
25) L5 AR-1248-5	5.593	5.566	254.1E6	153.0E6	729.605	722.136

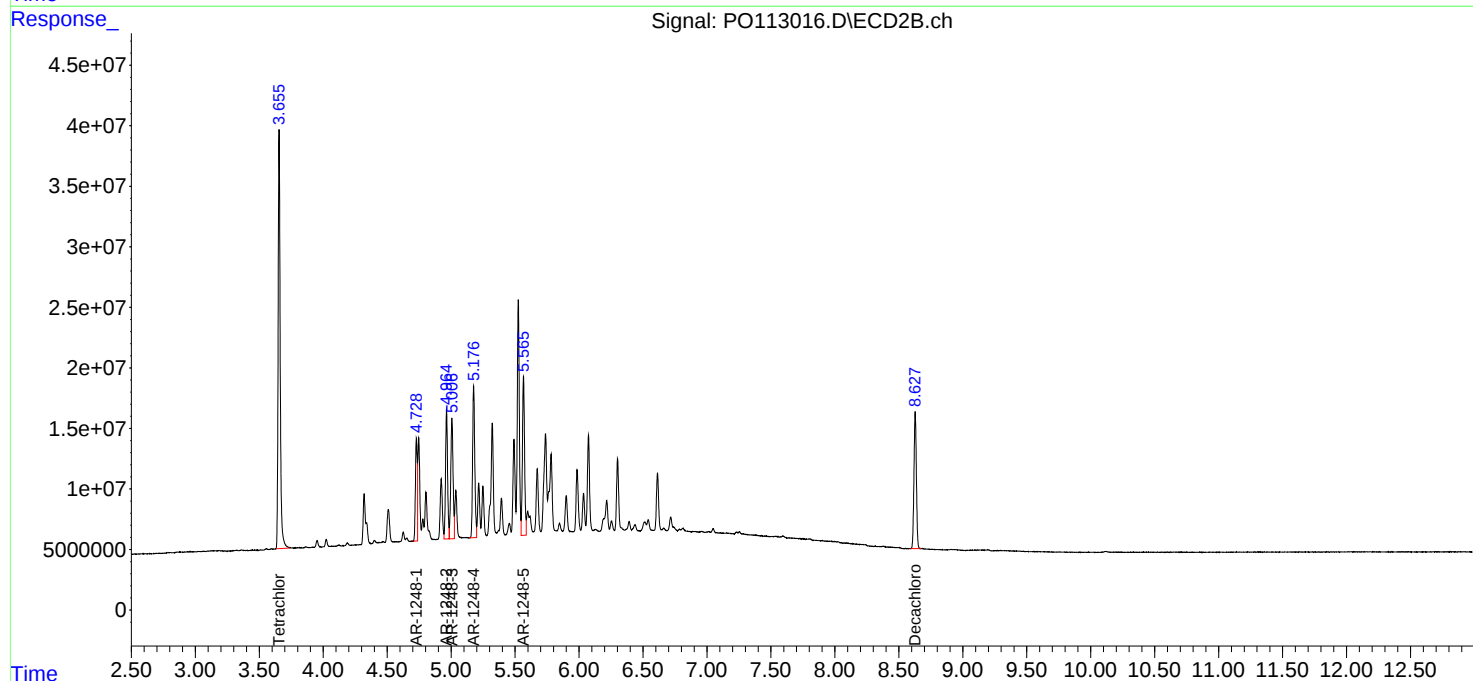
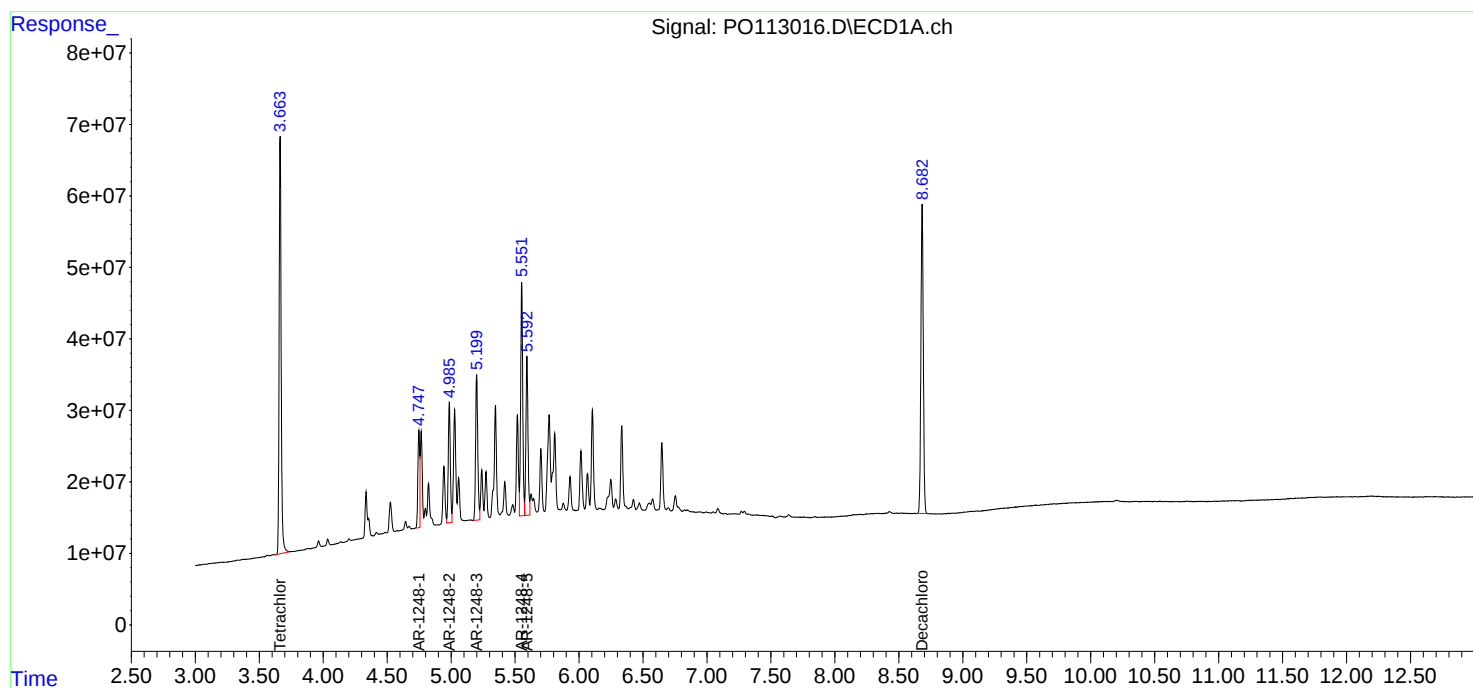
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

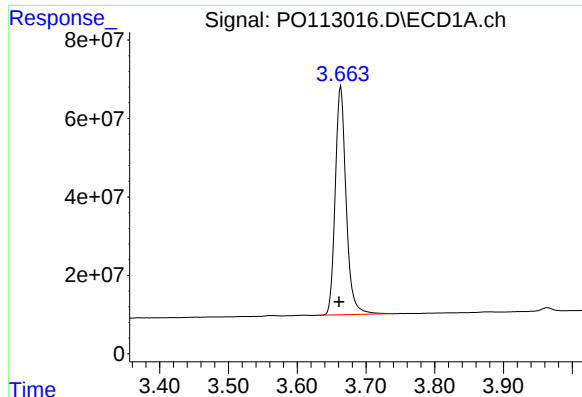
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 13:52
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:13:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:12:51 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

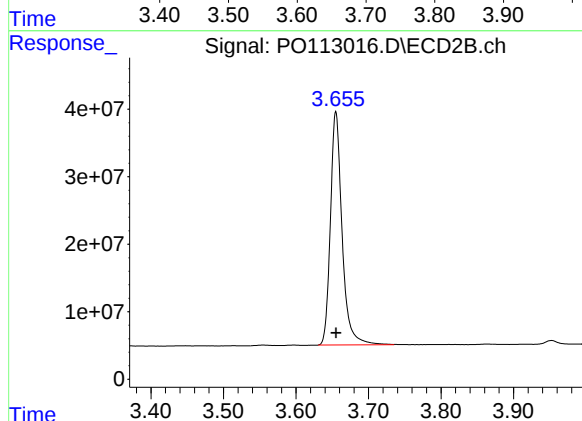




#1 Tetrachloro-m-xylene

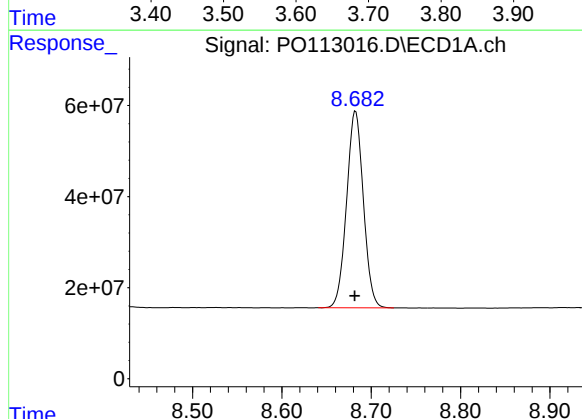
R.T.: 3.663 min
Delta R.T.: 0.002 min
Response: 641081303
Conc: 74.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



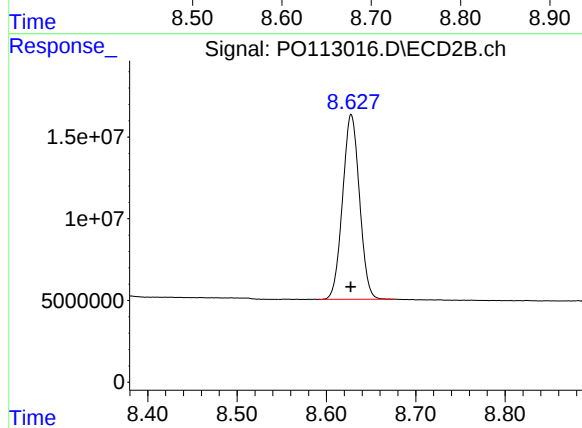
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 386640184
Conc: 74.30 ng/ml



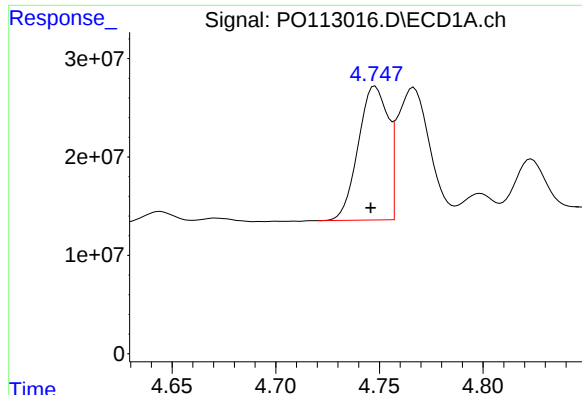
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 563605312
Conc: 74.45 ng/ml



#2 Decachlorobiphenyl

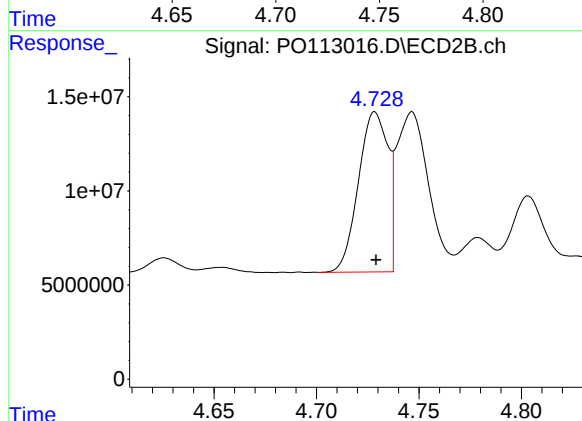
R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 148556245
Conc: 73.96 ng/ml



#21 AR-1248-1

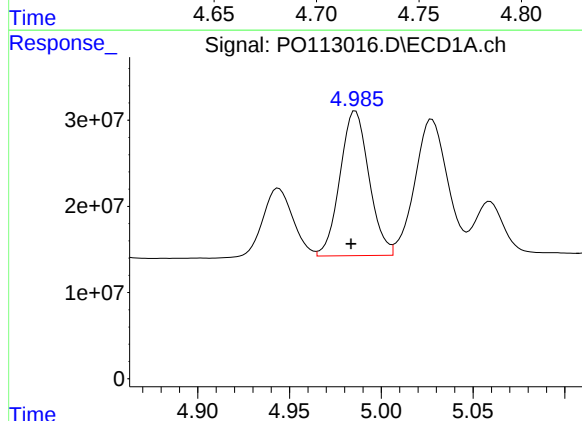
R.T.: 4.748 min
Delta R.T.: 0.002 min
Response: 135951908
Conc: 738.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



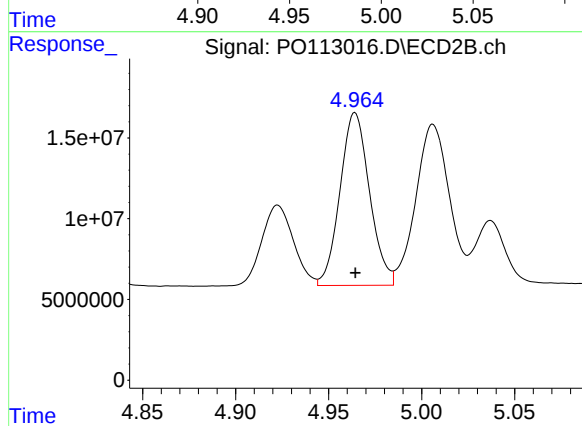
#21 AR-1248-1

R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 84958849
Conc: 726.66 ng/ml



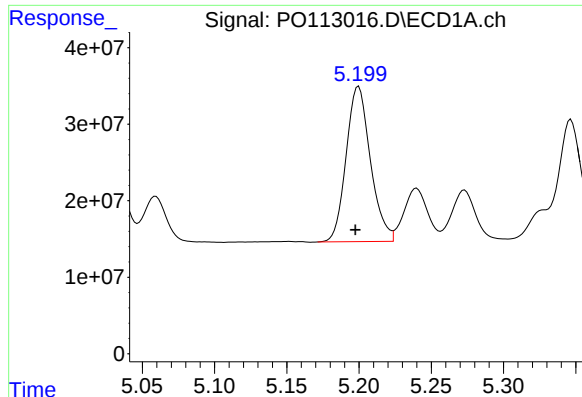
#22 AR-1248-2

R.T.: 4.986 min
Delta R.T.: 0.003 min
Response: 184770579
Conc: 747.72 ng/ml



#22 AR-1248-2

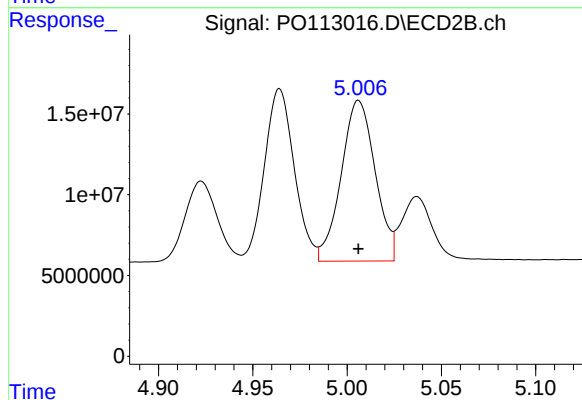
R.T.: 4.964 min
Delta R.T.: 0.000 min
Response: 118284961
Conc: 723.85 ng/ml



#23 AR-1248-3

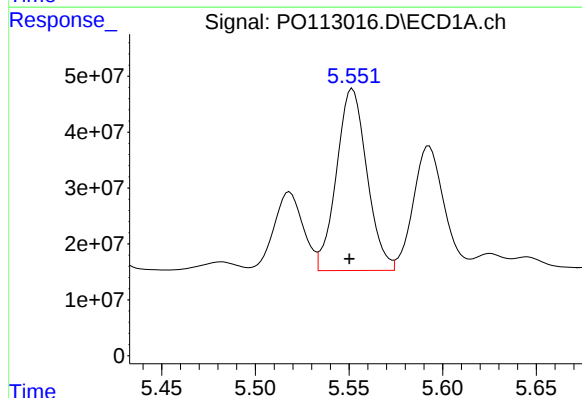
R.T.: 5.200 min
Delta R.T.: 0.002 min
Response: 236783487
Conc: 718.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



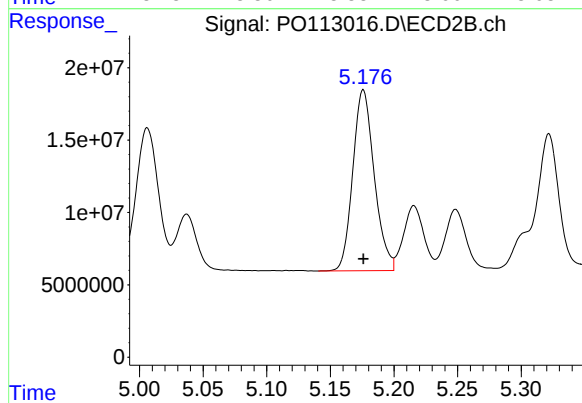
#23 AR-1248-3

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 124793039
Conc: 721.17 ng/ml



#24 AR-1248-4

R.T.: 5.552 min
Delta R.T.: 0.002 min
Response: 368407338
Conc: 724.74 ng/ml



#24 AR-1248-4

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 146861914
Conc: 716.78 ng/ml

Response_

Signal: PO113016.D\ECD1A.ch

#25 AR-1248-5

R.T.: 5.593 min

Delta R.T.: 0.001 min

Response: 254126727

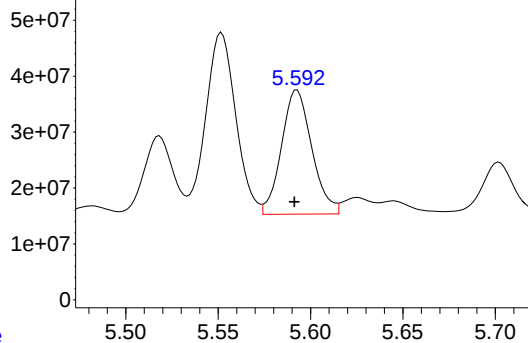
Conc: 729.60 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC750



Time

Response_

Signal: PO113016.D\ECD2B.ch

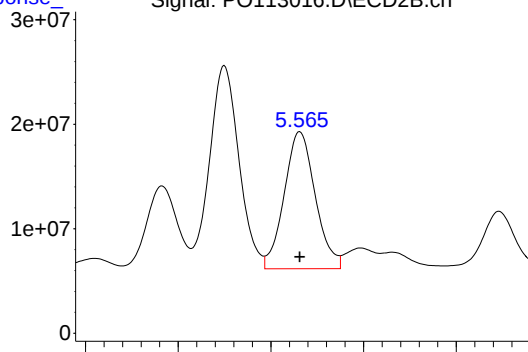
#25 AR-1248-5

R.T.: 5.566 min

Delta R.T.: 0.000 min

Response: 152951072

Conc: 722.14 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 14:09
 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: Aug 19 05:14:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:12:51 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...	3.661	3.655	429.4E6	260.2E6	50.000	50.000
2) SA Decachlor...	8.682	8.627	378.5E6	100.4E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.746	4.729	92017394	58458199	500.000	500.000
22) L5 AR-1248-2	4.983	4.964	123.6E6	81705093	500.000	500.000
23) L5 AR-1248-3	5.198	5.006	164.8E6	86521016	500.000	500.000
24) L5 AR-1248-4	5.550	5.176	254.2E6	102.4E6	500.000	500.000
25) L5 AR-1248-5	5.591	5.566	174.2E6	105.9E6	500.000	500.000

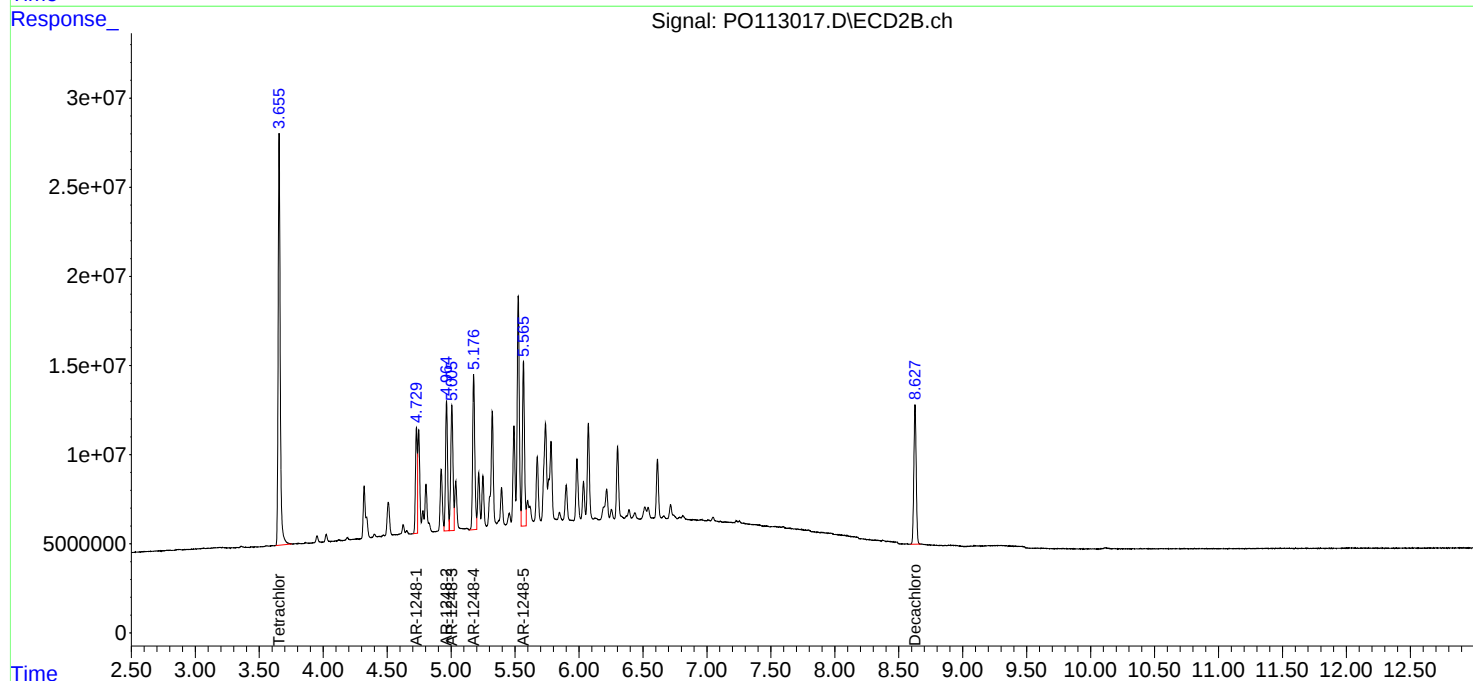
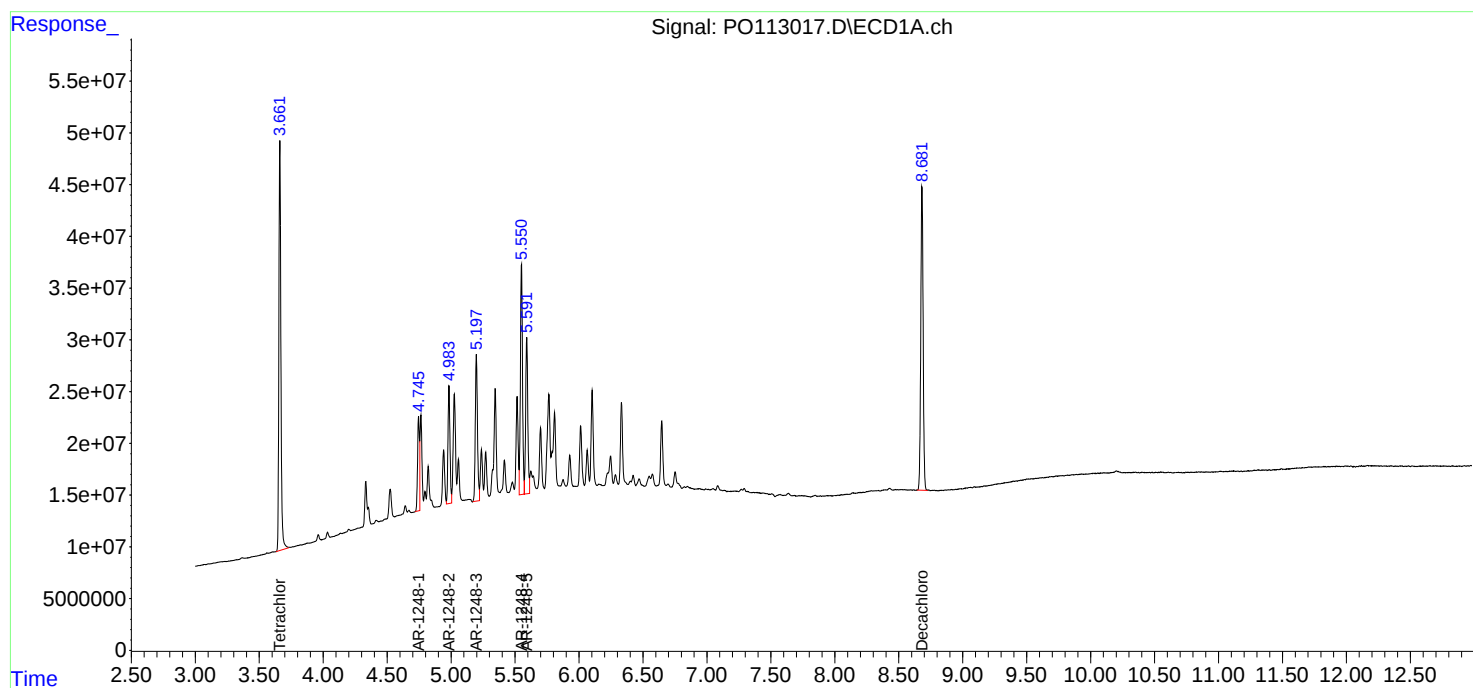
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

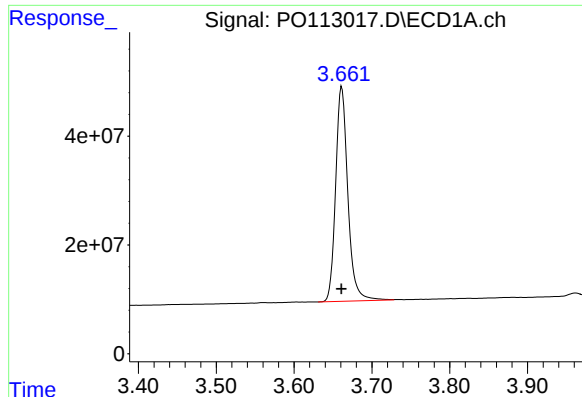
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 14:09
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:14:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:12:51 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

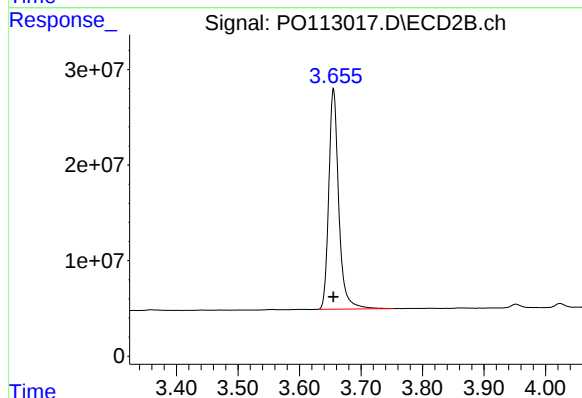




#1 Tetrachloro-m-xylene

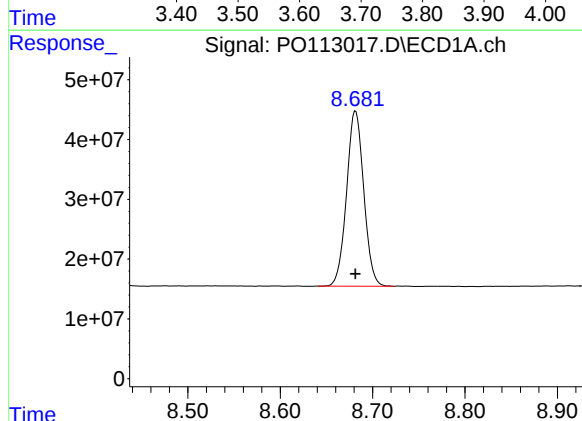
R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 429447429
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



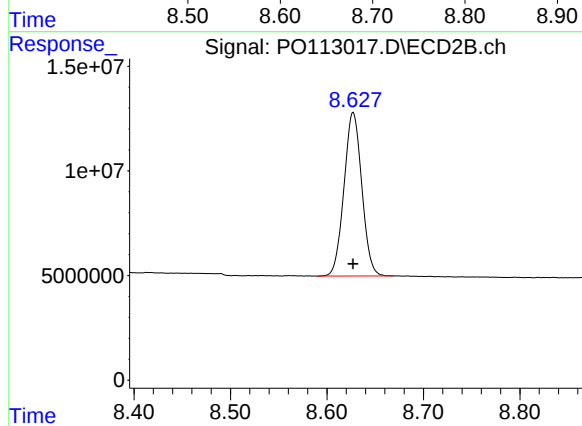
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 260171767
Conc: 50.00 ng/ml



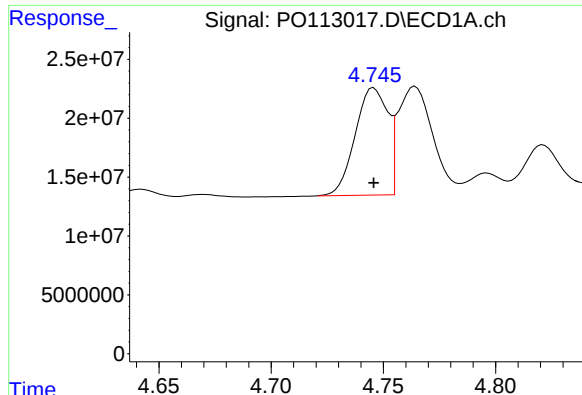
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 378502615
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

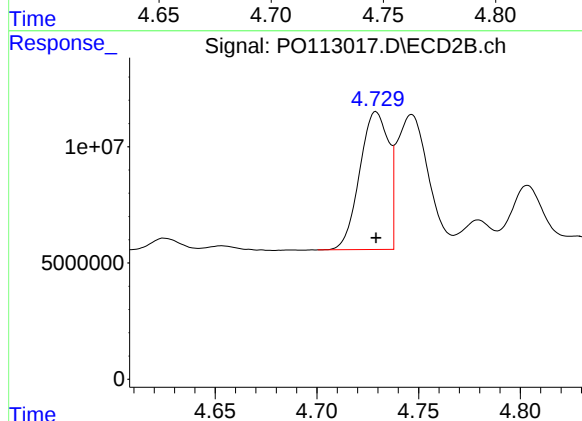
R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 100436496
Conc: 50.00 ng/ml



#21 AR-1248-1

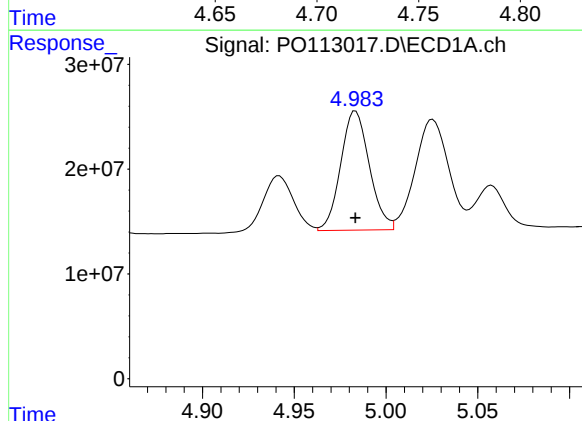
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 92017394
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



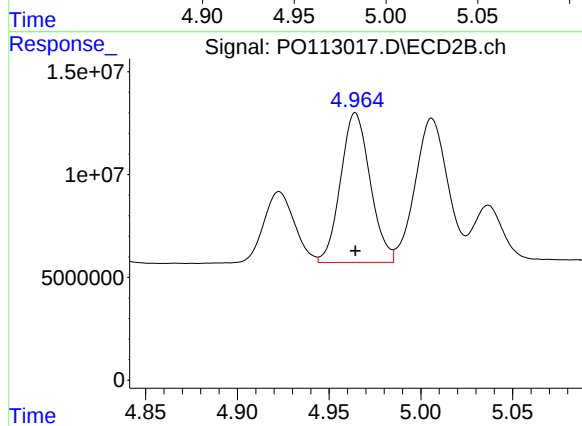
#21 AR-1248-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 58458199
Conc: 500.00 ng/ml



#22 AR-1248-2

R.T.: 4.983 min
Delta R.T.: 0.000 min
Response: 123556789
Conc: 500.00 ng/ml



#22 AR-1248-2

R.T.: 4.964 min
Delta R.T.: 0.000 min
Response: 81705093
Conc: 500.00 ng/ml

Response_

Signal: PO113017.D\ECD1A.ch

#23 AR-1248-3

R.T.: 5.198 min

Delta R.T.: 0.000 min

Response: 164807523

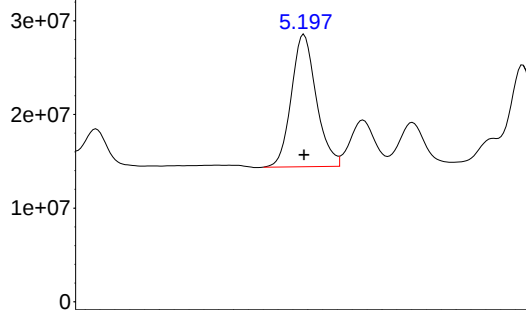
Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC500



Time

Response_

Signal: PO113017.D\ECD2B.ch

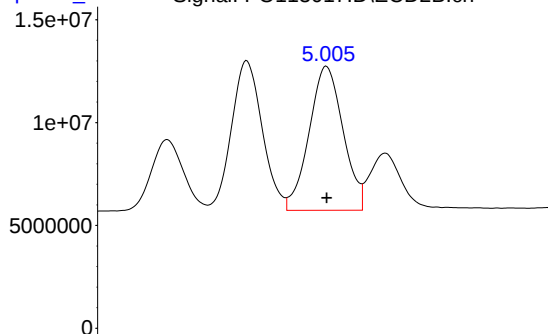
#23 AR-1248-3

R.T.: 5.006 min

Delta R.T.: 0.000 min

Response: 86521016

Conc: 500.00 ng/ml



Time

Response_

Signal: PO113017.D\ECD1A.ch

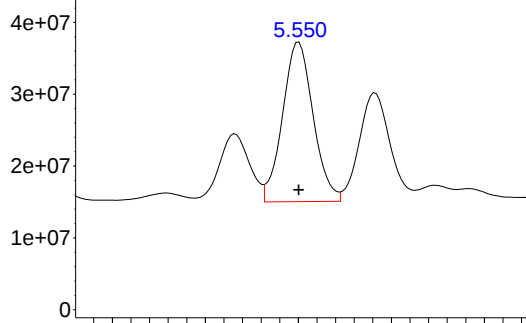
#24 AR-1248-4

R.T.: 5.550 min

Delta R.T.: 0.000 min

Response: 254166010

Conc: 500.00 ng/ml



Time

Response_

Signal: PO113017.D\ECD2B.ch

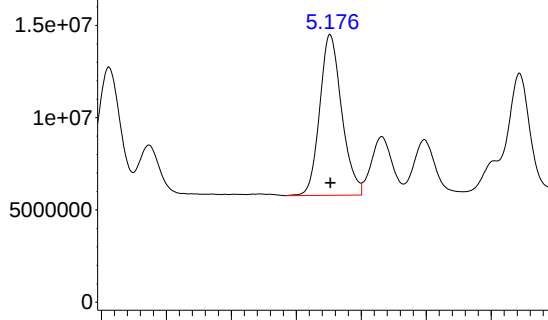
#24 AR-1248-4

R.T.: 5.176 min

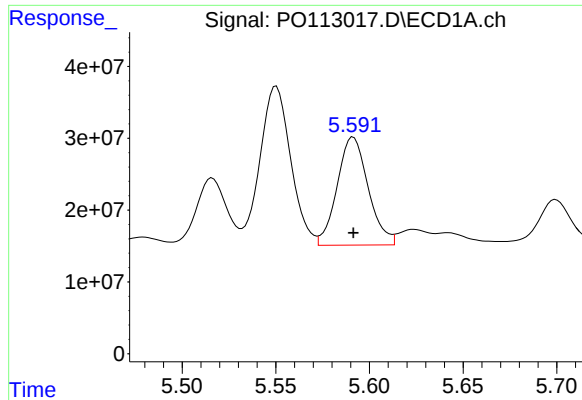
Delta R.T.: 0.000 min

Response: 102445230

Conc: 500.00 ng/ml



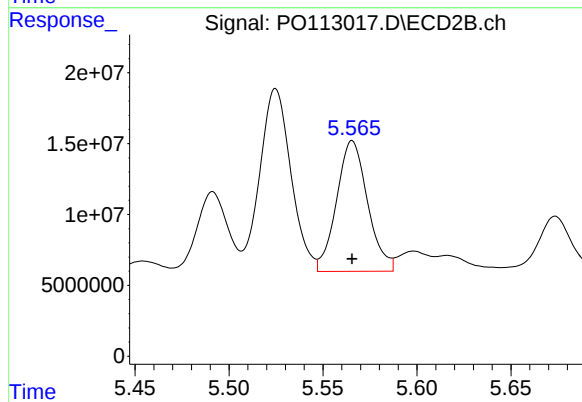
Time



#25 AR-1248-5

R.T.: 5.591 min
Delta R.T.: 0.000 min
Response: 174153715
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.566 min
Delta R.T.: 0.000 min
Response: 105901816
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 14:28
 Operator : YP/AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:14:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:12:51 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...	3.664	3.656	209.7E6	126.9E6	24.414	24.390
2) SA Decachlor...	8.682	8.627	188.2E6	51115576	24.865	25.447
Target Compounds						
21) L5 AR-1248-1	4.748	4.729	45122166	29255539	245.183	250.226
22) L5 AR-1248-2	4.986	4.965	62979159	42275318	254.859	258.707
23) L5 AR-1248-3	5.200	5.007	79668469	44175959	241.702	255.290
24) L5 AR-1248-4	5.553	5.178	126.5E6	52254392	248.765	255.036
25) L5 AR-1248-5	5.594	5.567	84964920	55625603	243.937	262.628

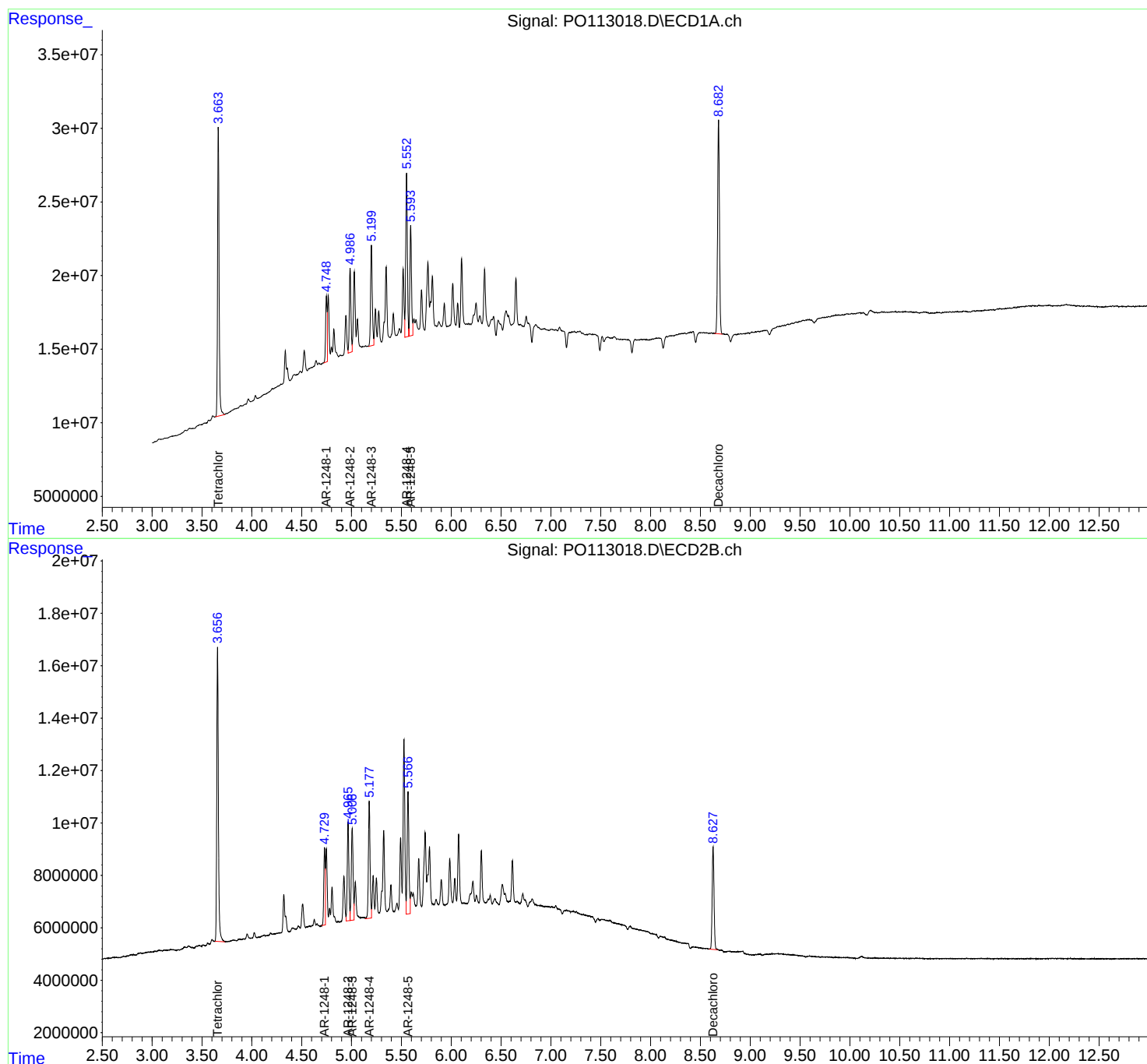
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

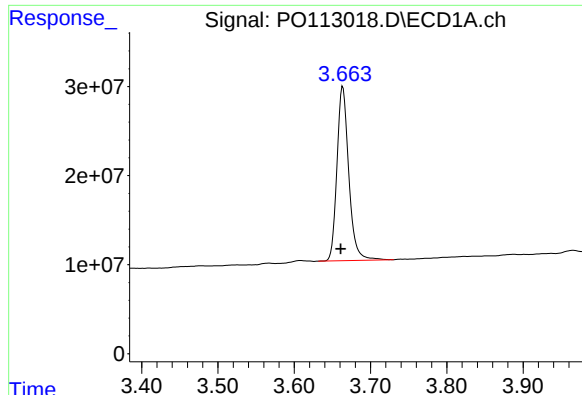
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 14:28
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:14:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:12:51 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

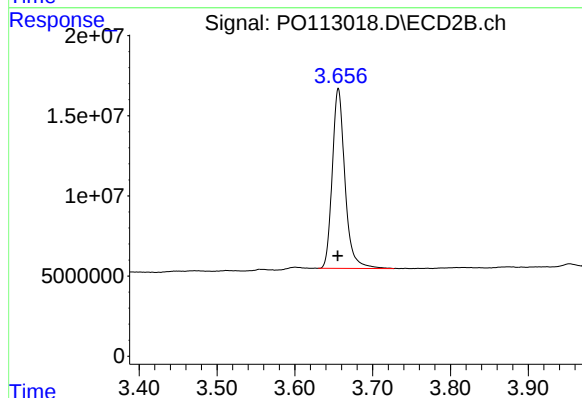




#1 Tetrachloro-m-xylene

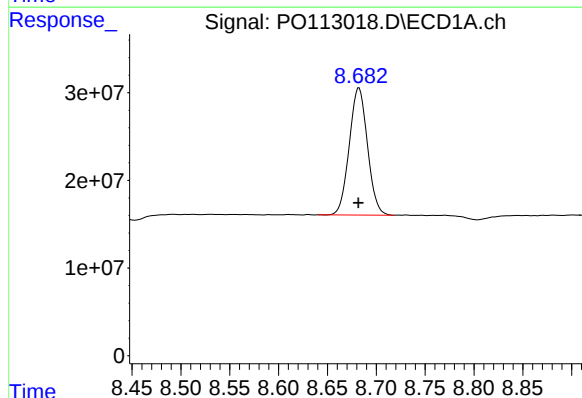
R.T.: 3.664 min
Delta R.T.: 0.003 min
Response: 209686296
Conc: 24.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



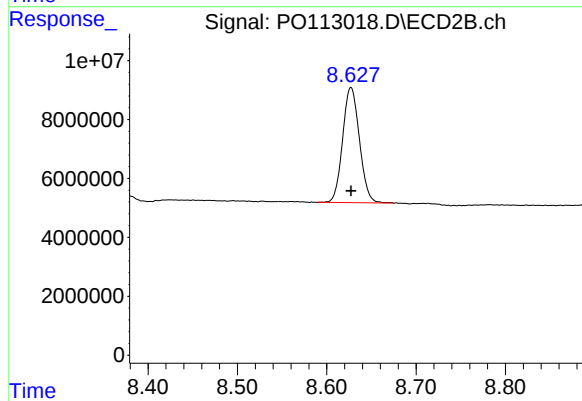
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 126913138
Conc: 24.39 ng/ml



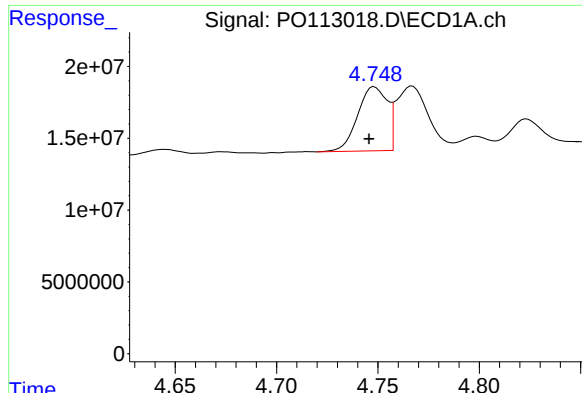
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 188232180
Conc: 24.87 ng/ml



#2 Decachlorobiphenyl

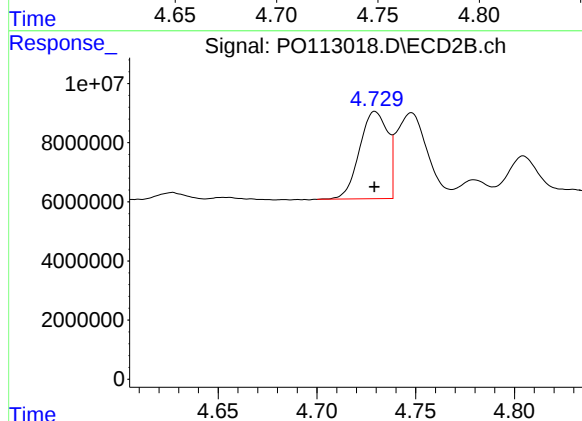
R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 51115576
Conc: 25.45 ng/ml



#21 AR-1248-1

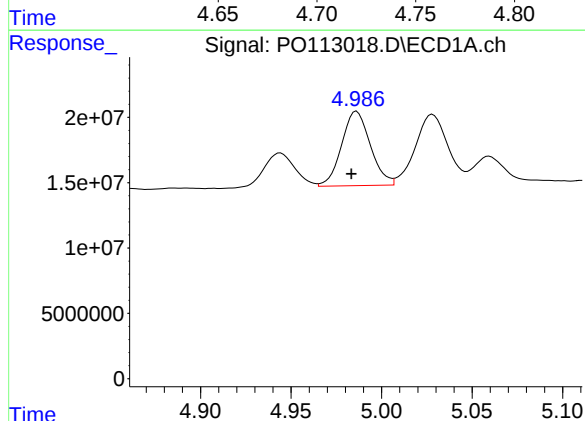
R.T.: 4.748 min
Delta R.T.: 0.003 min
Response: 45122166
Conc: 245.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



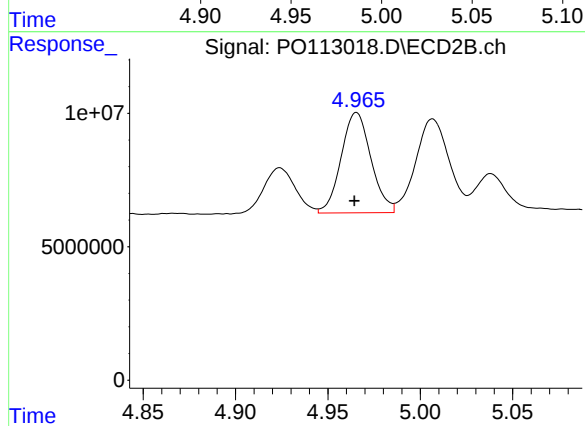
#21 AR-1248-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 29255539
Conc: 250.23 ng/ml



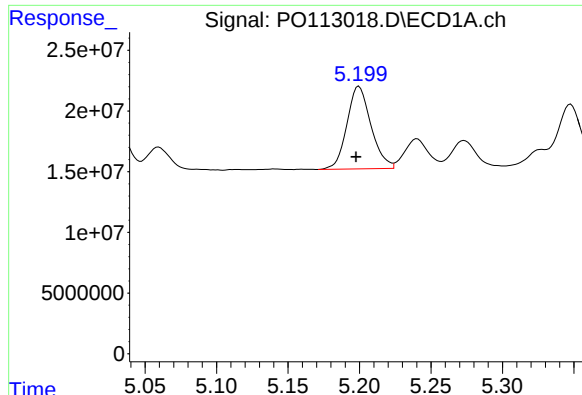
#22 AR-1248-2

R.T.: 4.986 min
Delta R.T.: 0.003 min
Response: 62979159
Conc: 254.86 ng/ml



#22 AR-1248-2

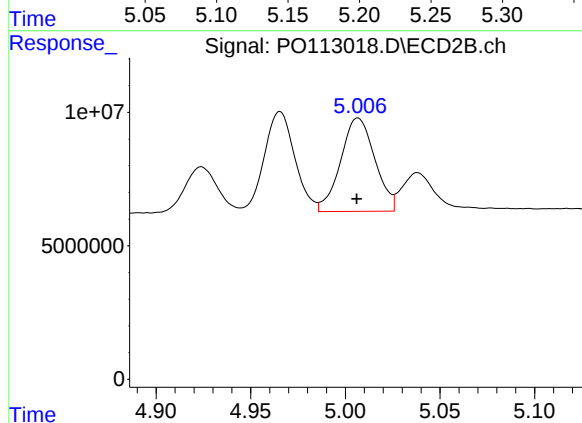
R.T.: 4.965 min
Delta R.T.: 0.001 min
Response: 42275318
Conc: 258.71 ng/ml



#23 AR-1248-3

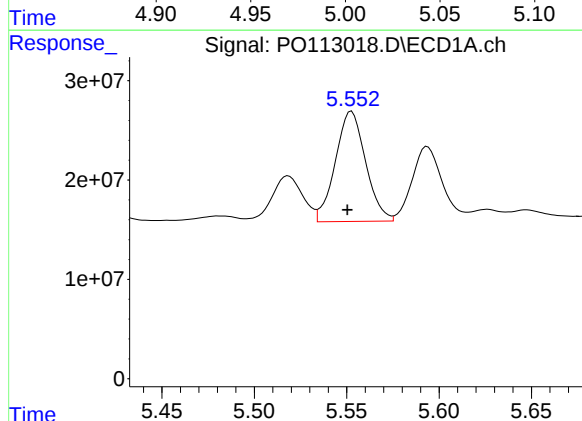
R.T.: 5.200 min
Delta R.T.: 0.002 min
Response: 79668469
Conc: 241.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



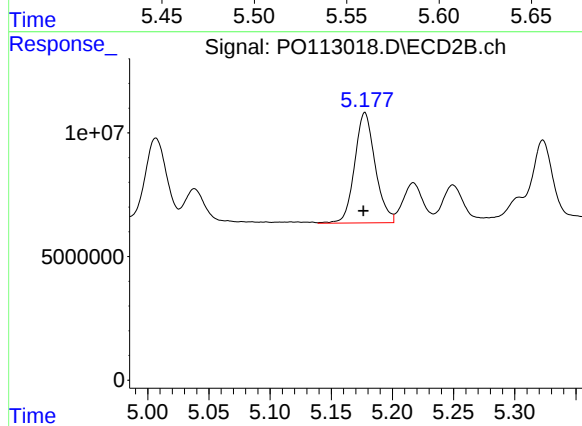
#23 AR-1248-3

R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 44175959
Conc: 255.29 ng/ml



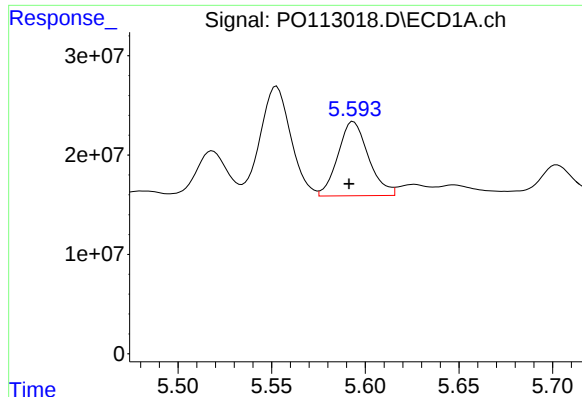
#24 AR-1248-4

R.T.: 5.553 min
Delta R.T.: 0.002 min
Response: 126455461
Conc: 248.77 ng/ml



#24 AR-1248-4

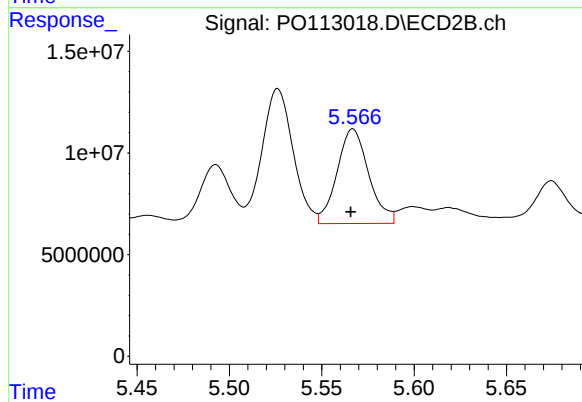
R.T.: 5.178 min
Delta R.T.: 0.001 min
Response: 52254392
Conc: 255.04 ng/ml



#25 AR-1248-5

R.T.: 5.594 min
Delta R.T.: 0.002 min
Response: 84964920
Conc: 243.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.001 min
Response: 55625603
Conc: 262.63 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 14:46
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:14:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:12:51 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...	3.663	3.655	33541803	21100686	3.905	4.055
2) SA Decachlor...	8.683	8.627	30379928	8654947	4.013	4.309
Target Compounds						
21) L5 AR-1248-1	4.748	4.729	7449194	5093554	40.477	43.566
22) L5 AR-1248-2	4.986	4.964	11191763	8123784	45.290	49.714
23) L5 AR-1248-3	5.200	5.006	16210491	8636665	49.180	49.911
24) L5 AR-1248-4	5.553	5.176	25855584	9905263	50.864	48.344
25) L5 AR-1248-5	5.593	5.567	17811440	11461135	51.137	54.112

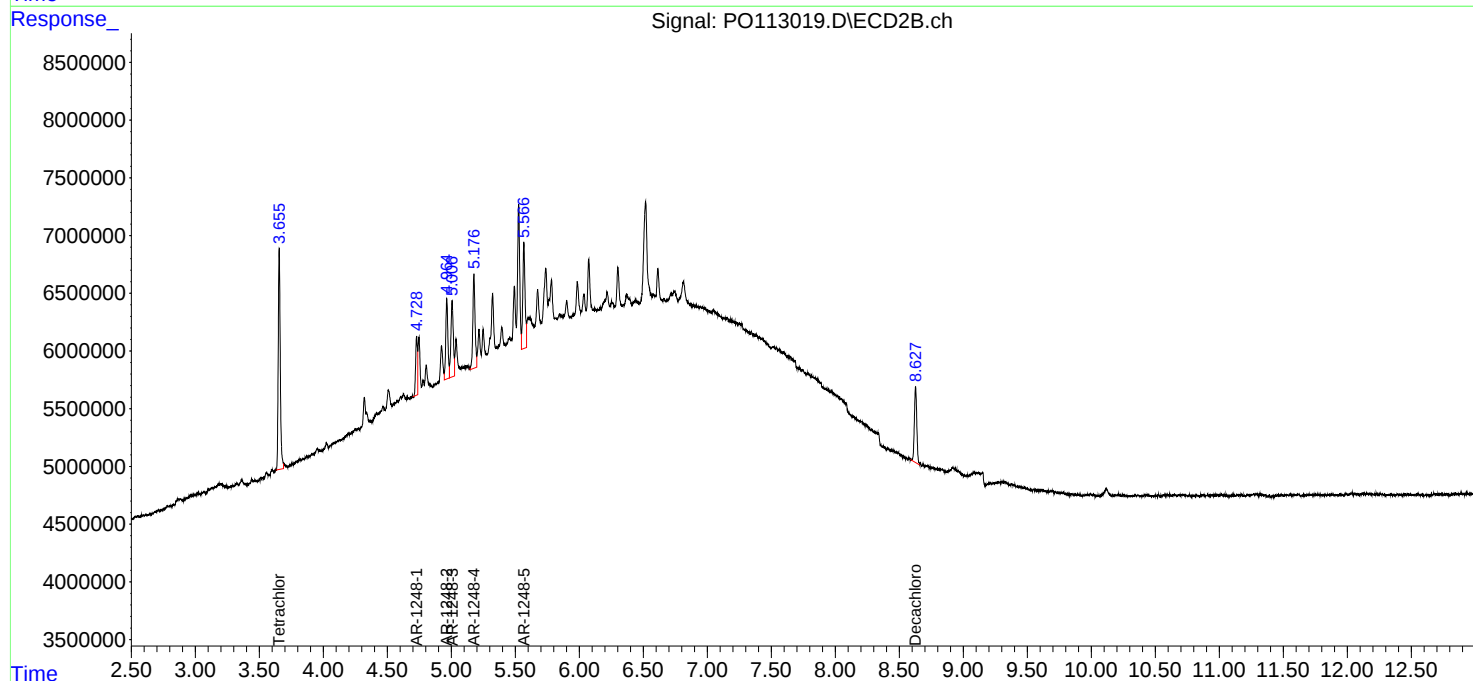
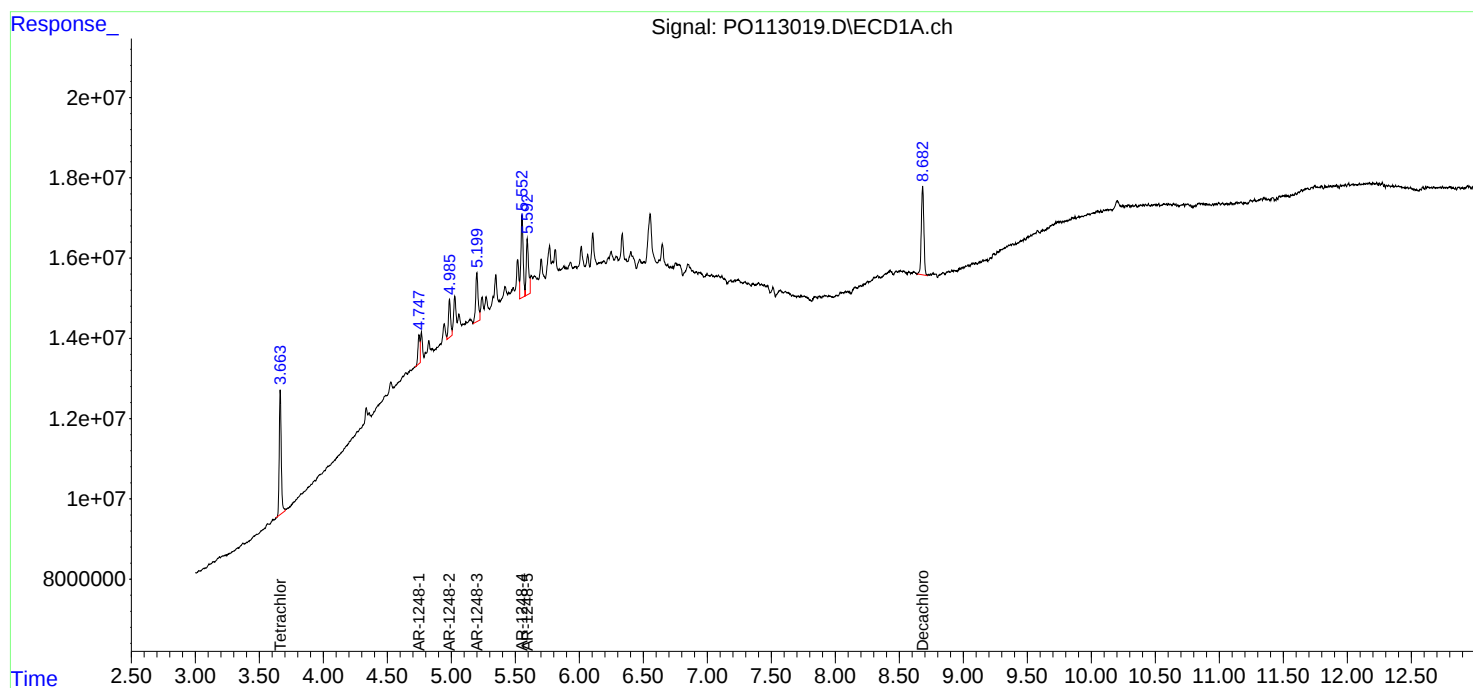
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

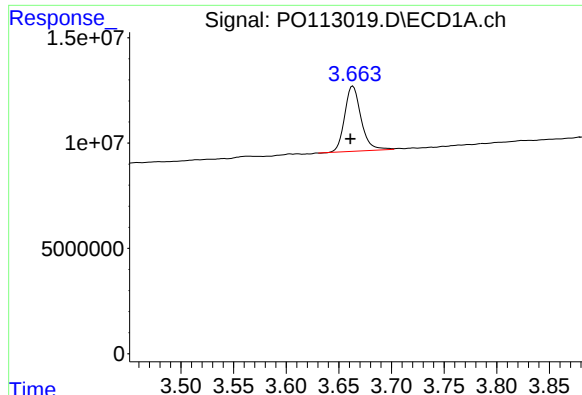
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 14:46
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:14:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:12:51 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

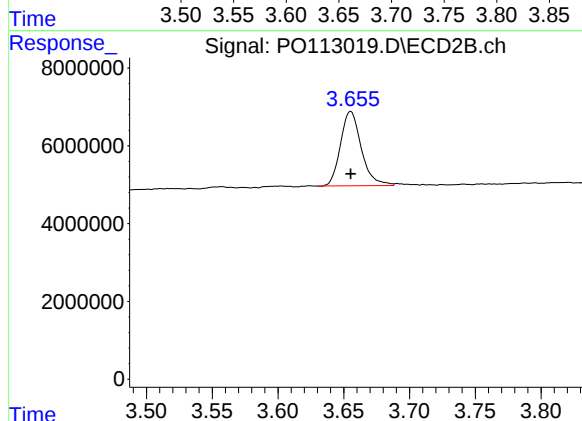




#1 Tetrachloro-m-xylene

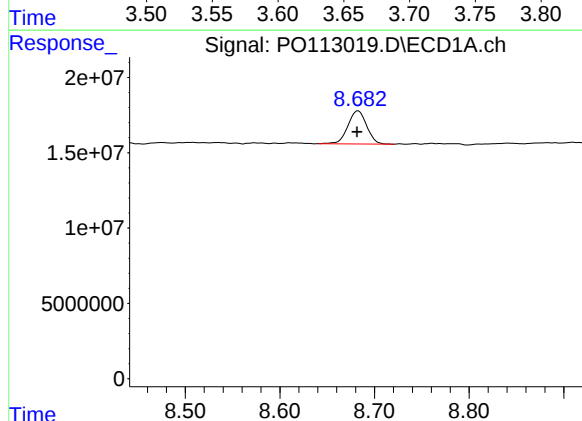
R.T.: 3.663 min
Delta R.T.: 0.002 min
Response: 33541803
Conc: 3.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



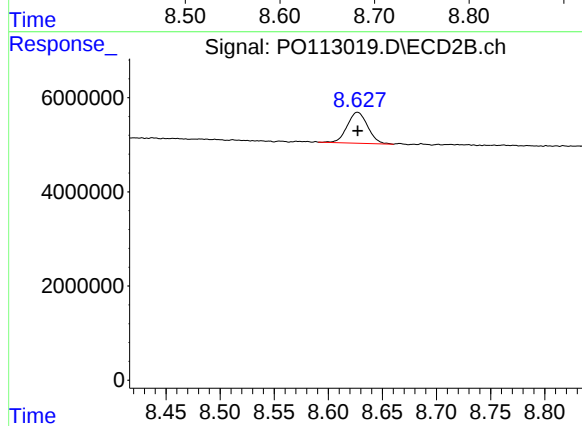
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 21100686
Conc: 4.06 ng/ml



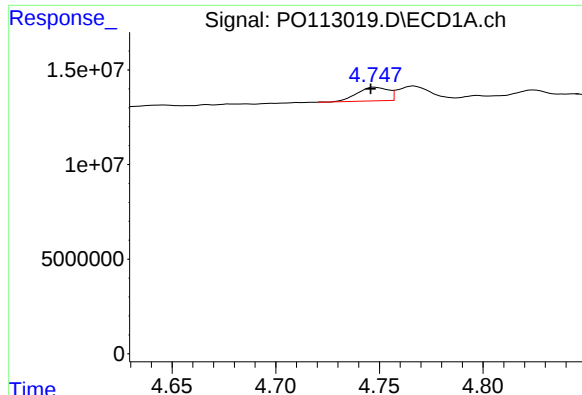
#2 Decachlorobiphenyl

R.T.: 8.683 min
Delta R.T.: 0.001 min
Response: 30379928
Conc: 4.01 ng/ml



#2 Decachlorobiphenyl

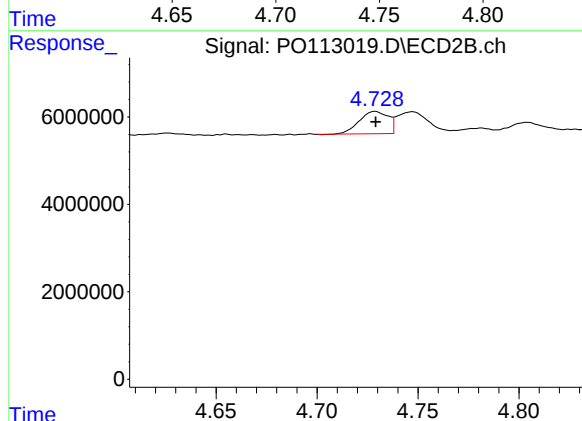
R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 8654947
Conc: 4.31 ng/ml



#21 AR-1248-1

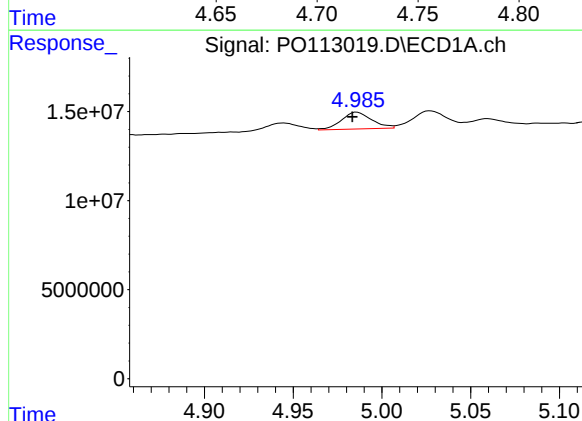
R.T.: 4.748 min
Delta R.T.: 0.002 min
Response: 7449194
Conc: 40.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



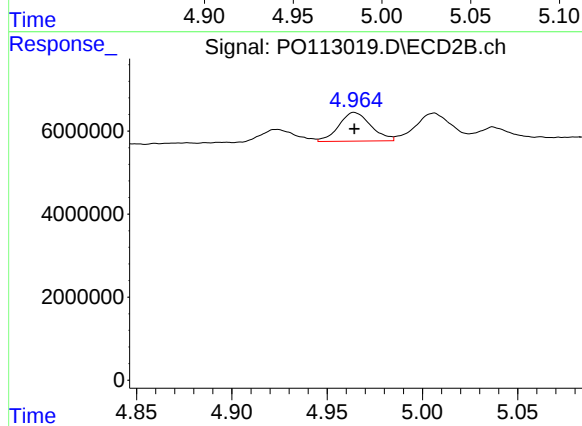
#21 AR-1248-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 5093554
Conc: 43.57 ng/ml



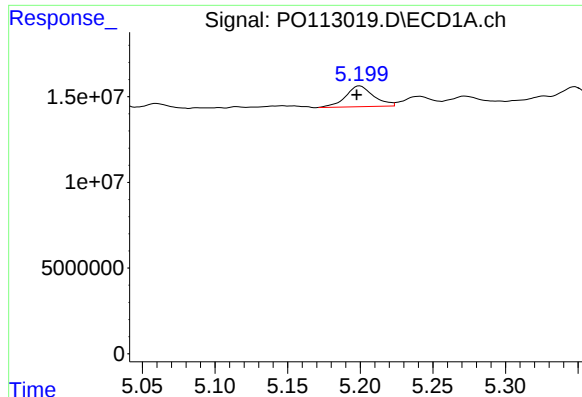
#22 AR-1248-2

R.T.: 4.986 min
Delta R.T.: 0.002 min
Response: 11191763
Conc: 45.29 ng/ml



#22 AR-1248-2

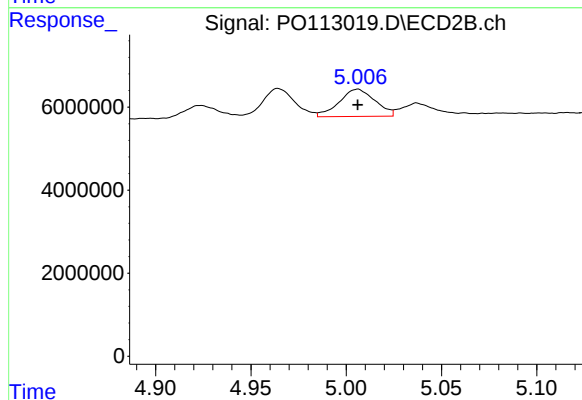
R.T.: 4.964 min
Delta R.T.: 0.000 min
Response: 8123784
Conc: 49.71 ng/ml



#23 AR-1248-3

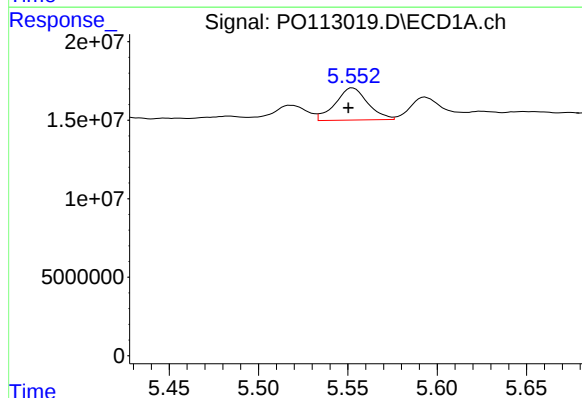
R.T.: 5.200 min
Delta R.T.: 0.002 min
Response: 16210491
Conc: 49.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



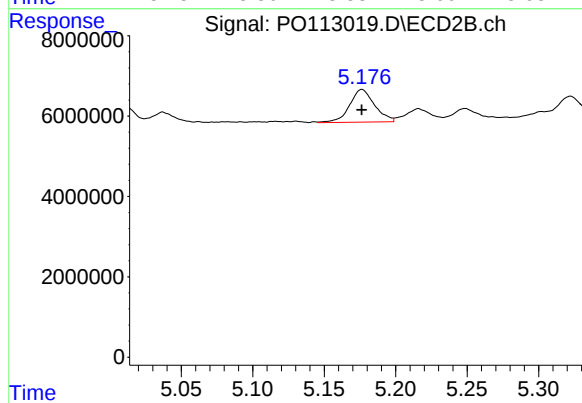
#23 AR-1248-3

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 8636665
Conc: 49.91 ng/ml



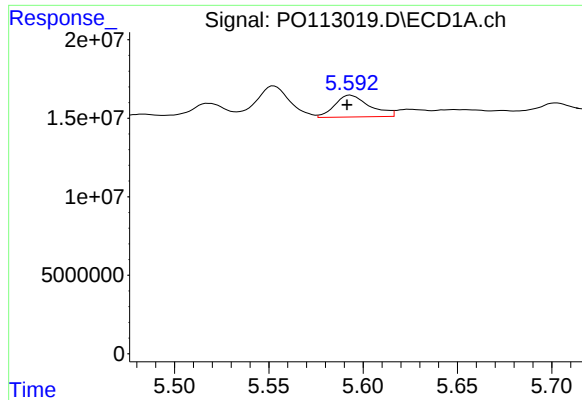
#24 AR-1248-4

R.T.: 5.553 min
Delta R.T.: 0.002 min
Response: 25855584
Conc: 50.86 ng/ml



#24 AR-1248-4

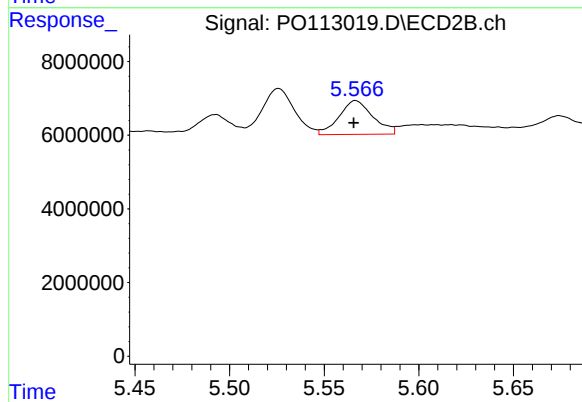
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 9905263
Conc: 48.34 ng/ml



#25 AR-1248-5

R.T.: 5.593 min
Delta R.T.: 0.002 min
Response: 17811440
Conc: 51.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.001 min
Response: 11461135
Conc: 54.11 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 15:05
 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: Aug 19 05:26:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:25:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.663	3.655	812.7E6	491.1E6	97.720	97.078
2) SA Decachlor...	8.683	8.627	713.2E6	185.6E6	95.742	94.040
Target Compounds						
26) L6 AR-1254-1	5.552	5.525	499.6E6	288.8E6	947.625	926.947
27) L6 AR-1254-2	5.702	5.673	454.6E6	255.0E6	947.600	921.953
28) L6 AR-1254-3	6.104	6.073	711.1E6	394.7E6	962.469	948.598
29) L6 AR-1254-4	6.334	6.302	533.0E6	258.2E6	963.574	943.828
30) L6 AR-1254-5	6.752	6.717	688.0E6	325.5E6	979.998	925.920

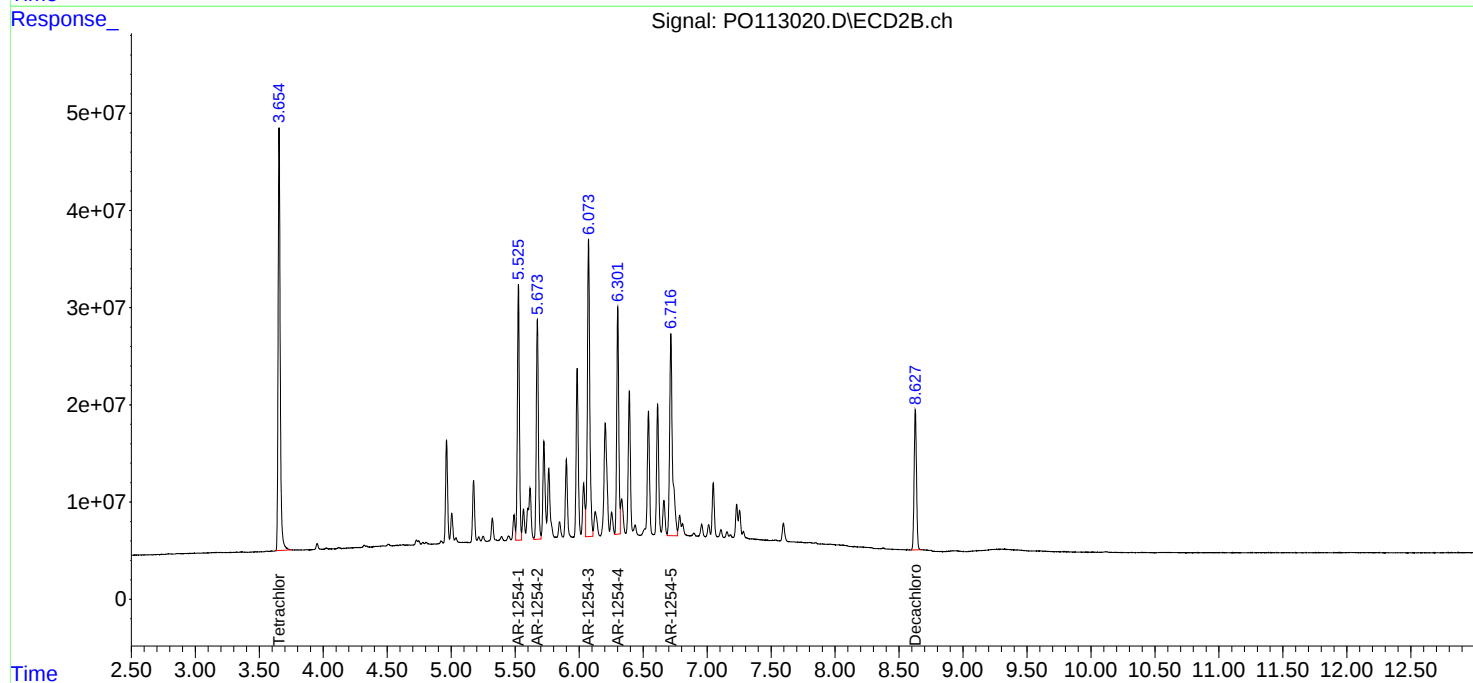
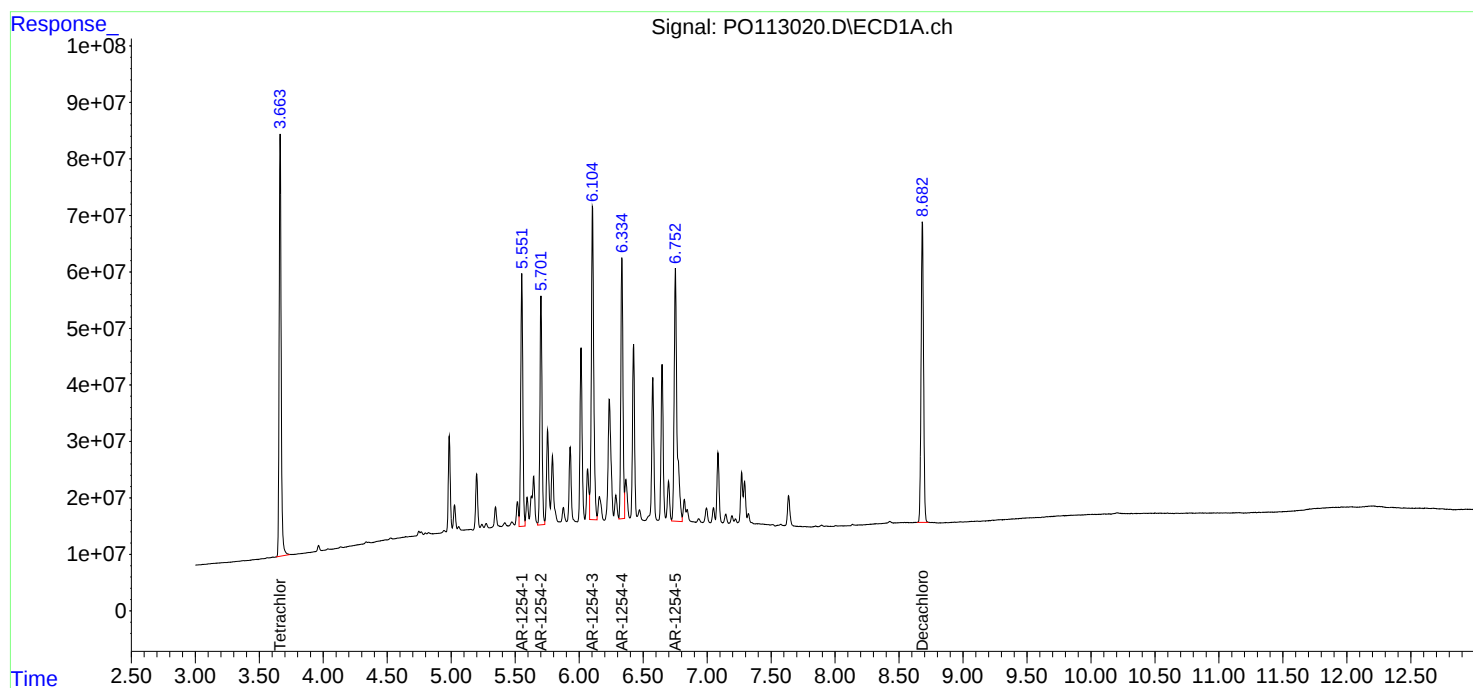
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

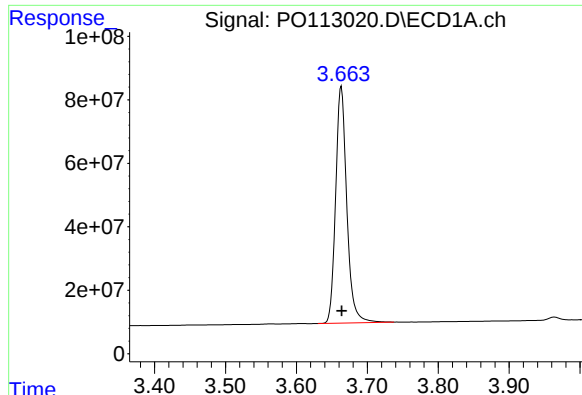
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 15:05
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:26:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:25:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

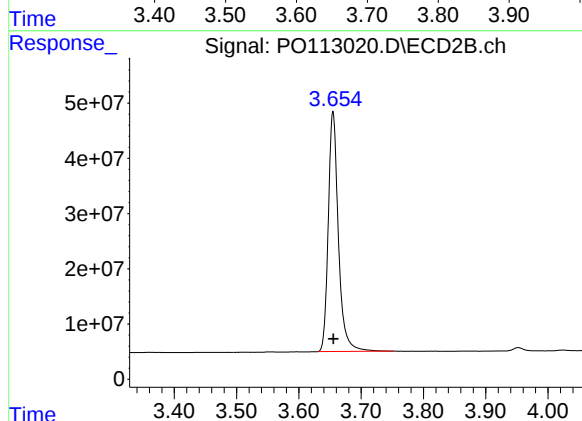




#1 Tetrachloro-m-xylene

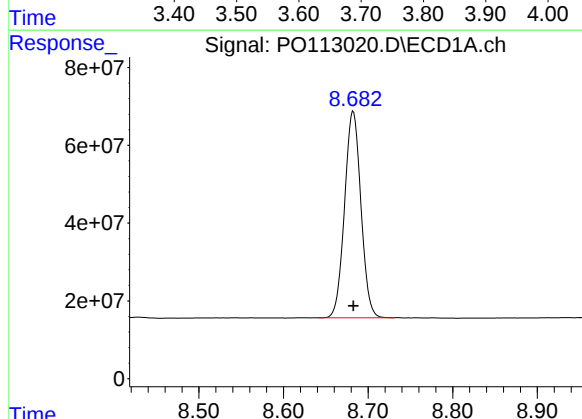
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 812688199
Conc: 97.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



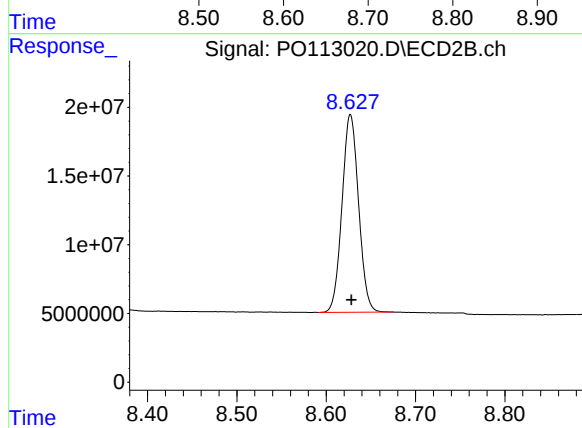
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 491127929
Conc: 97.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 713151584
Conc: 95.74 ng/ml



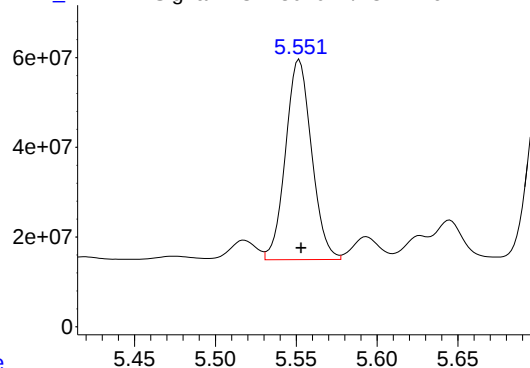
#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: -0.001 min
Response: 185558274
Conc: 94.04 ng/ml

Response_

Signal: PO113020.D\ECD1A.ch

#26 AR-1254-1



R.T.: 5.552 min
Delta R.T.: -0.001 min
Response: 499551241
Conc: 947.62 ng/ml

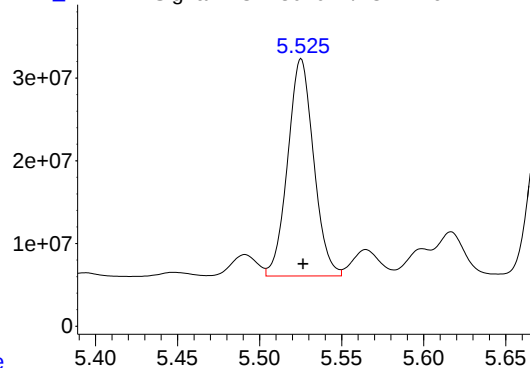
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PO113020.D\ECD2B.ch

#26 AR-1254-1



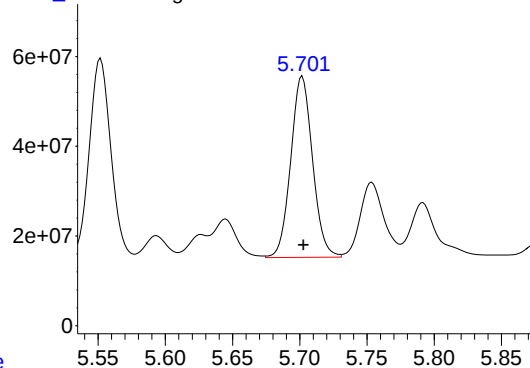
R.T.: 5.525 min
Delta R.T.: -0.001 min
Response: 288848558
Conc: 926.95 ng/ml

Time

Response_

Signal: PO113020.D\ECD1A.ch

#27 AR-1254-2



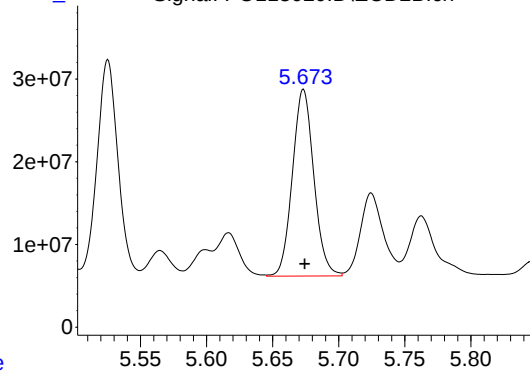
R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 454632825
Conc: 947.60 ng/ml

Time

Response_

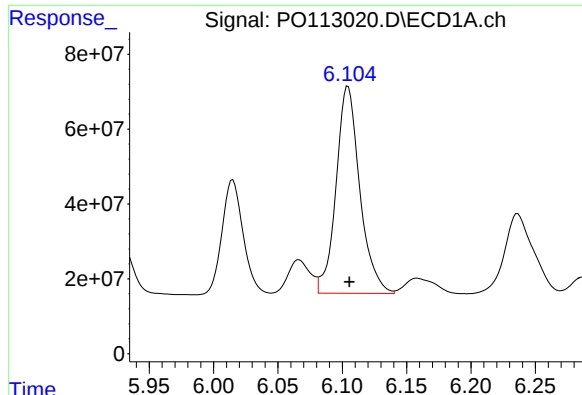
Signal: PO113020.D\ECD2B.ch

#27 AR-1254-2



R.T.: 5.673 min
Delta R.T.: -0.001 min
Response: 255015428
Conc: 921.95 ng/ml

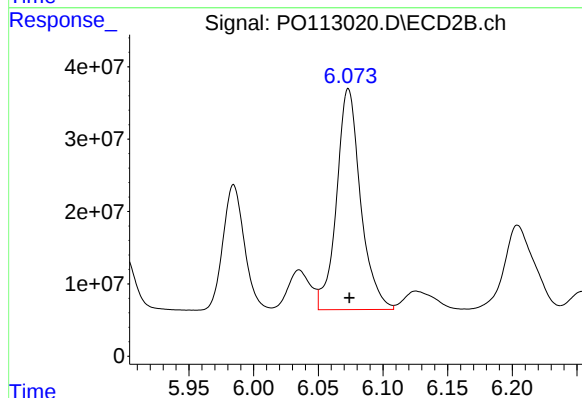
Time



#28 AR-1254-3

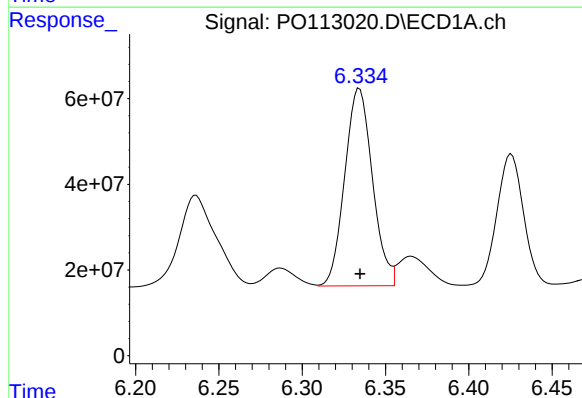
R.T.: 6.104 min
Delta R.T.: -0.001 min
Response: 711089310
Conc: 962.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



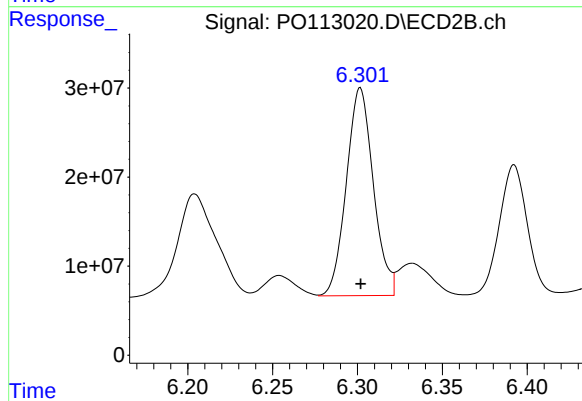
#28 AR-1254-3

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 394658183
Conc: 948.60 ng/ml



#29 AR-1254-4

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 533028449
Conc: 963.57 ng/ml



#29 AR-1254-4

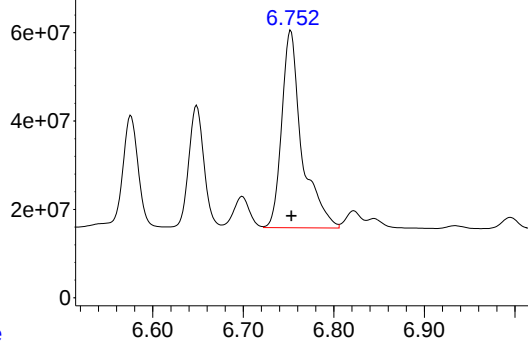
R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 258230294
Conc: 943.83 ng/ml

Response_

Signal: PO113020.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 687979747
Conc: 980.00 ng/ml

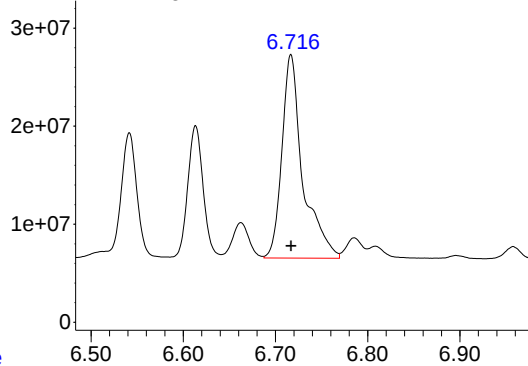
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PO113020.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 325480526
Conc: 925.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 15:23
 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: Aug 19 05:26:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:25:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.663	3.655	626.2E6	380.0E6	75.299	75.114
2)	SA Decachlor...	8.682	8.627	549.8E6	144.5E6	73.810	73.238
Target Compounds							
26)	L6 AR-1254-1	5.553	5.526	386.5E6	227.1E6	733.198	728.784
27)	L6 AR-1254-2	5.702	5.674	348.3E6	199.6E6	725.877	721.726
28)	L6 AR-1254-3	6.105	6.074	545.9E6	306.0E6	738.816	735.459
29)	L6 AR-1254-4	6.335	6.302	411.4E6	201.5E6	743.727	736.386
30)	L6 AR-1254-5	6.753	6.717	523.4E6	253.4E6	745.575	720.993

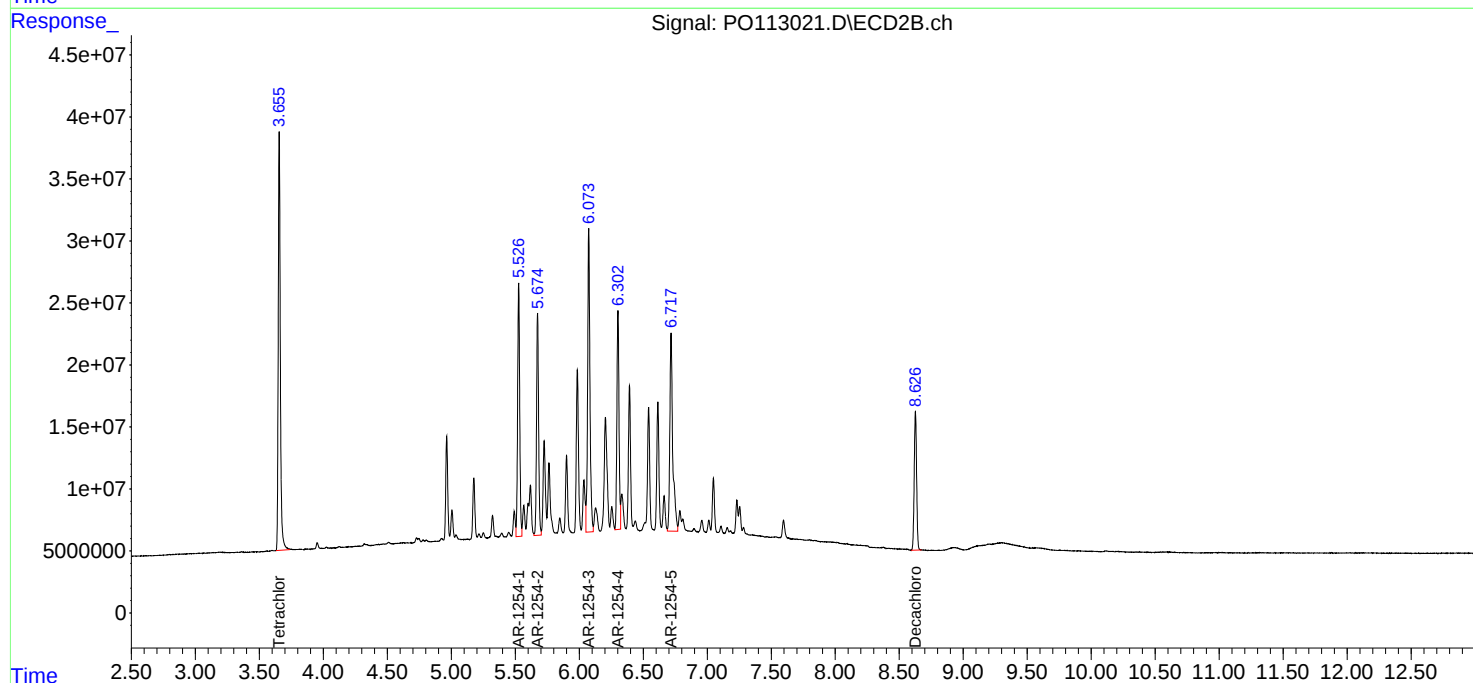
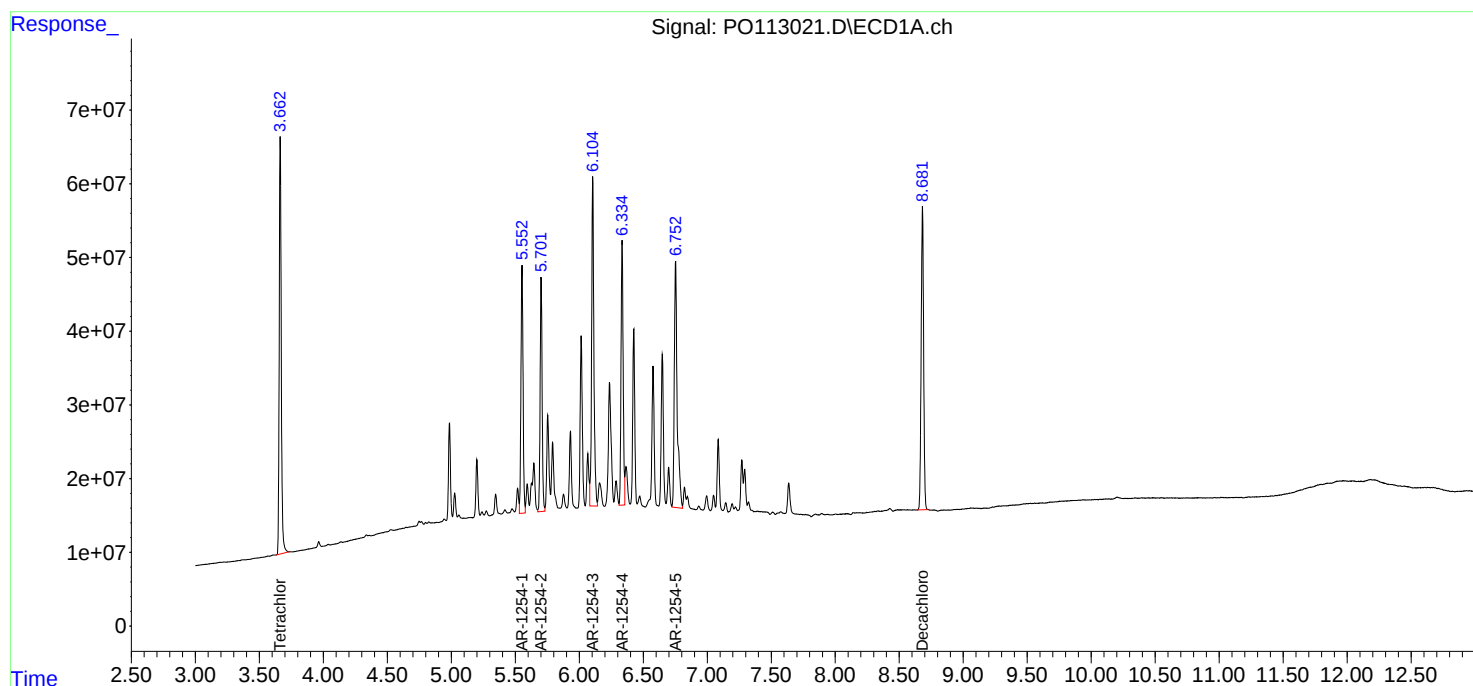
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

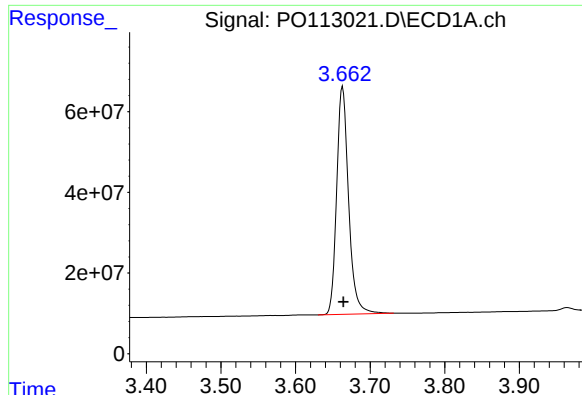
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 15:23
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:26:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:25:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

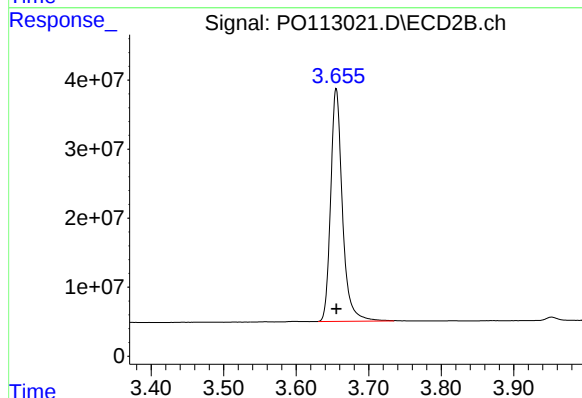




#1 Tetrachloro-m-xylene

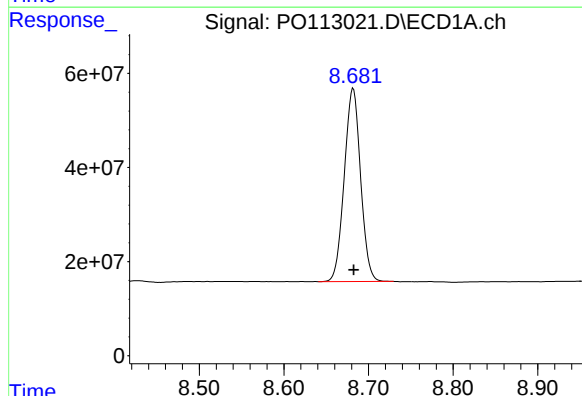
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 626226026
Conc: 75.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



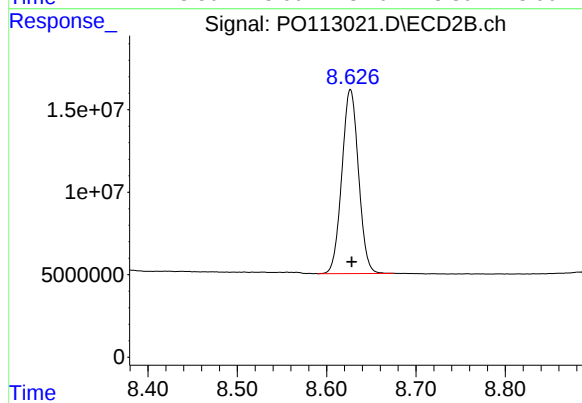
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 380012693
Conc: 75.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 549792144
Conc: 73.81 ng/ml



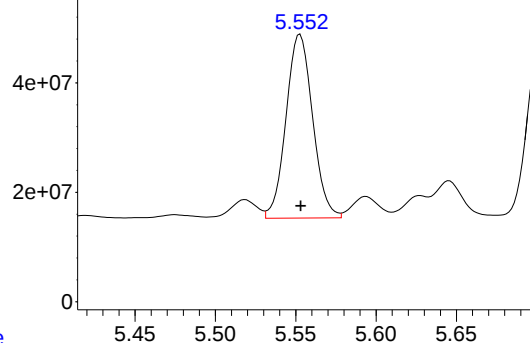
#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: -0.002 min
Response: 144512738
Conc: 73.24 ng/ml

Response_

Signal: PO113021.D\ECD1A.ch

#26 AR-1254-1



R.T.: 5.553 min
Delta R.T.: 0.000 min
Response: 386513606
Conc: 733.20 ng/ml

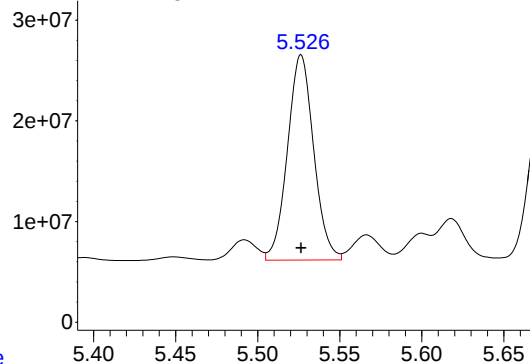
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PO113021.D\ECD2B.ch

#26 AR-1254-1



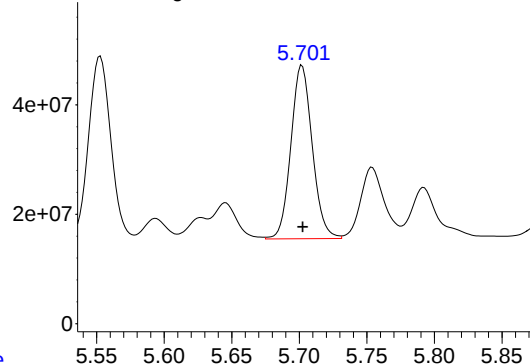
R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 227098377
Conc: 728.78 ng/ml

Time

Response_

Signal: PO113021.D\ECD1A.ch

#27 AR-1254-2



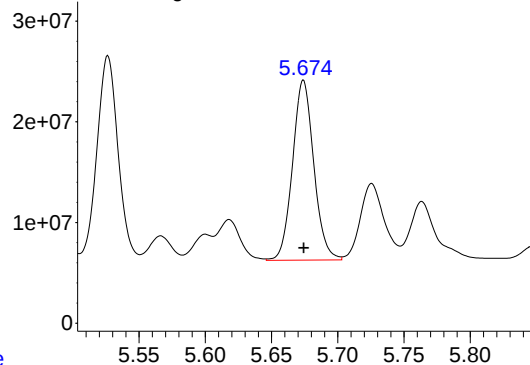
R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 348256178
Conc: 725.88 ng/ml

Time

Response_

Signal: PO113021.D\ECD2B.ch

#27 AR-1254-2



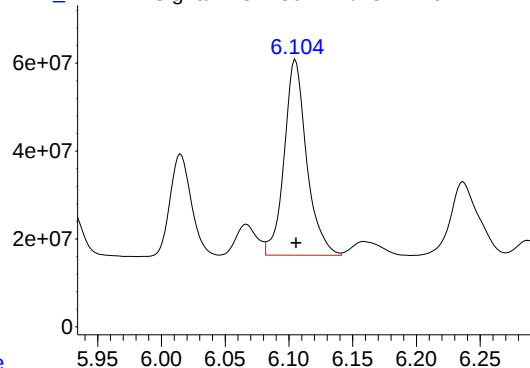
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 199632081
Conc: 721.73 ng/ml

Time

Response_

Signal: PO113021.D\ECD1A.ch

#28 AR-1254-3



R.T.: 6.105 min
Delta R.T.: 0.000 min
Response: 545850148
Conc: 738.82 ng/ml

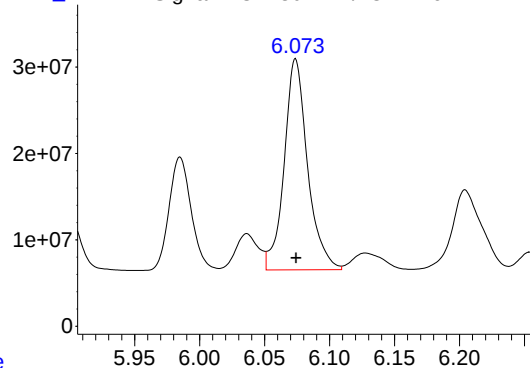
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PO113021.D\ECD2B.ch

#28 AR-1254-3



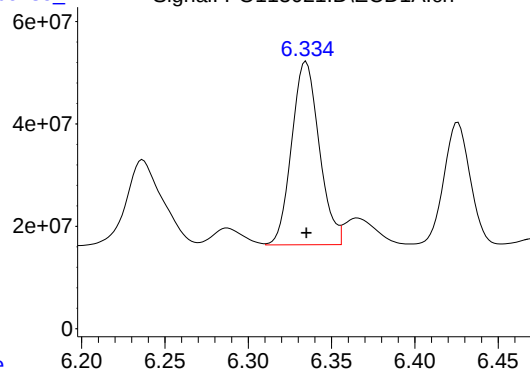
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 305982866
Conc: 735.46 ng/ml

Time

Response_

Signal: PO113021.D\ECD1A.ch

#29 AR-1254-4



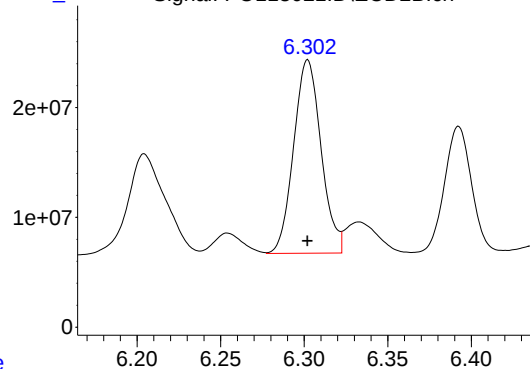
R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 411413856
Conc: 743.73 ng/ml

Time

Response_

Signal: PO113021.D\ECD2B.ch

#29 AR-1254-4



R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 201474435
Conc: 736.39 ng/ml

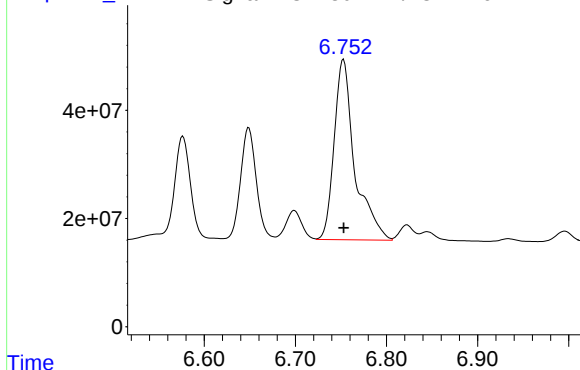
Time

Response_

Signal: PO113021.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 523409354
Conc: 745.57 ng/ml

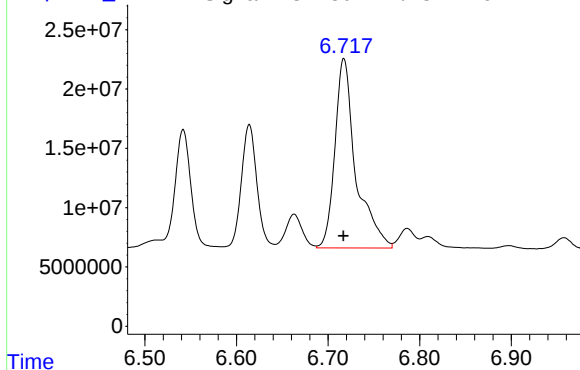
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PO113021.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 253444422
Conc: 720.99 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 15:41
 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: Aug 19 05:26:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:25:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.664	3.655	415.8E6	253.0E6	50.000	50.000
2) SA Decachlor...	8.682	8.628	372.4E6	98659064	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.553	5.526	263.6E6	155.8E6	500.000	500.000
27) L6 AR-1254-2	5.703	5.674	239.9E6	138.3E6	500.000	500.000
28) L6 AR-1254-3	6.106	6.074	369.4E6	208.0E6	500.000	500.000
29) L6 AR-1254-4	6.335	6.302	276.6E6	136.8E6	500.000	500.000
30) L6 AR-1254-5	6.753	6.717	351.0E6	175.8E6	500.000	500.000

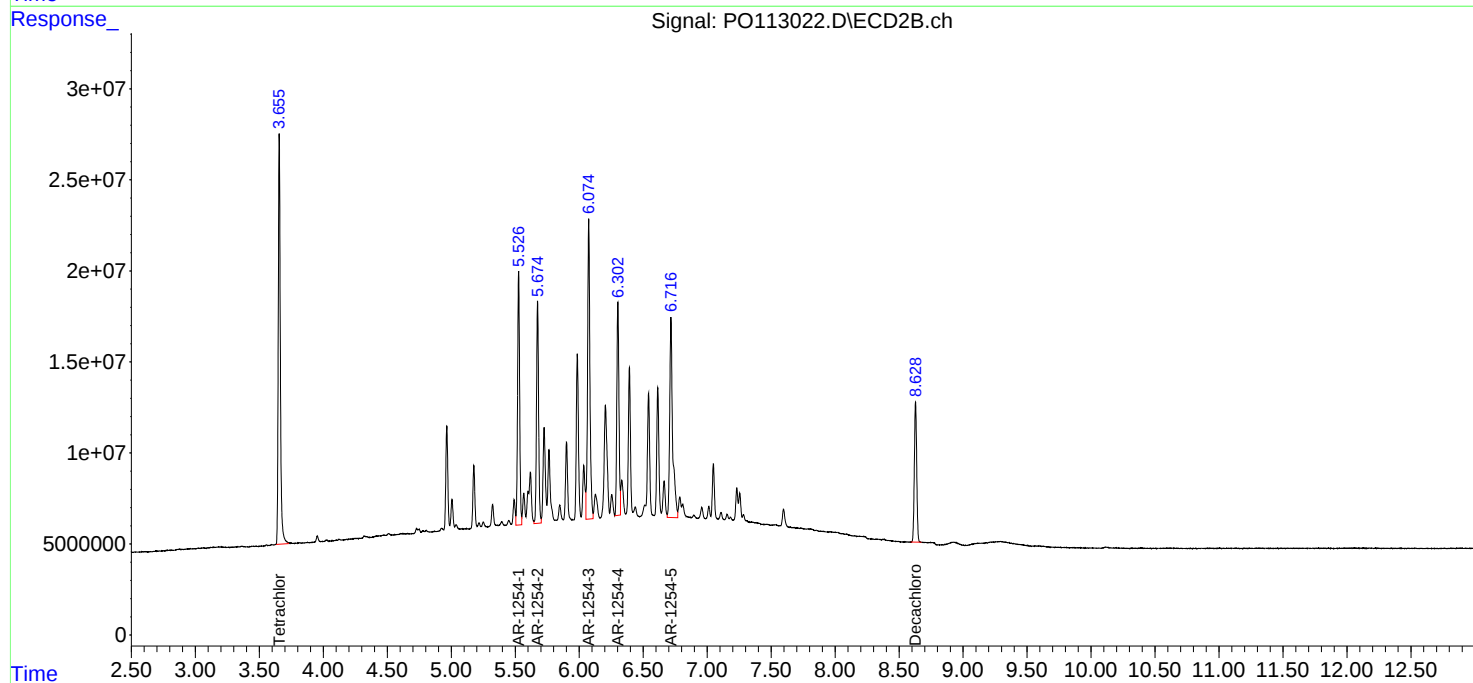
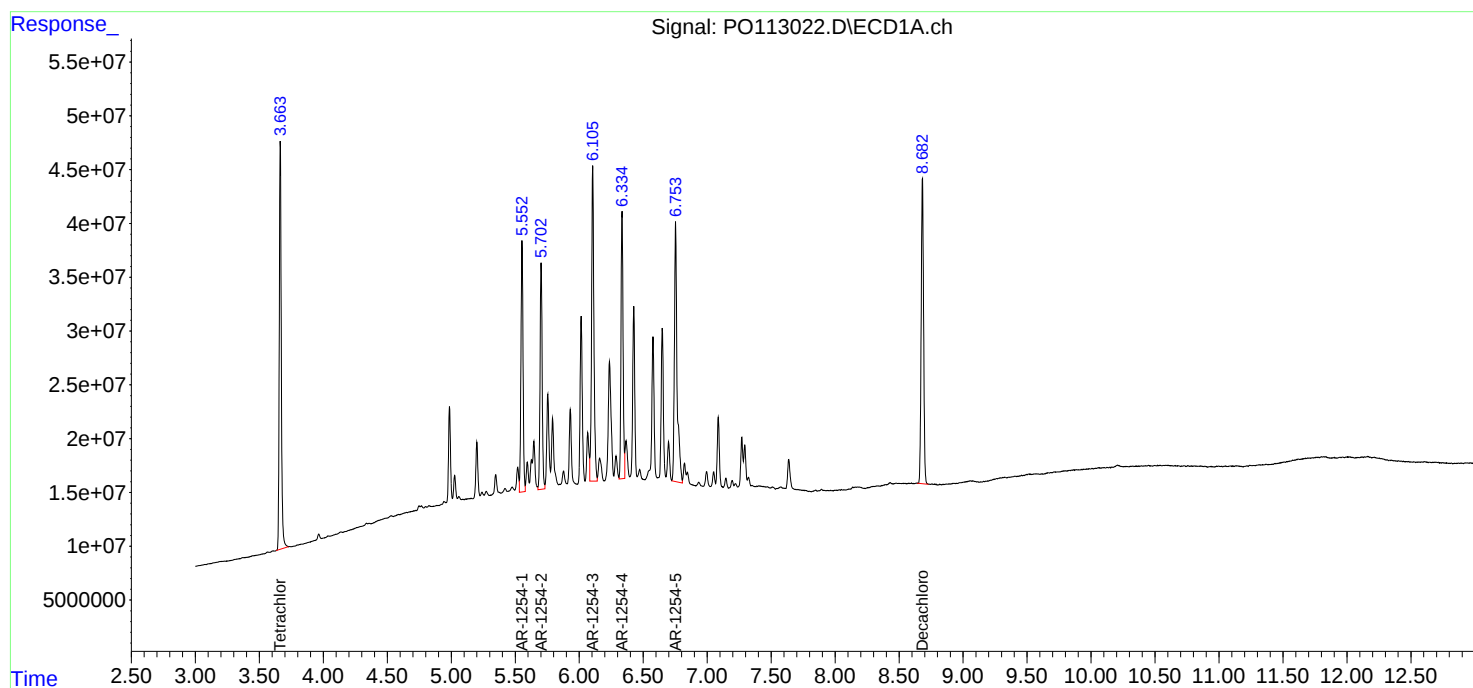
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

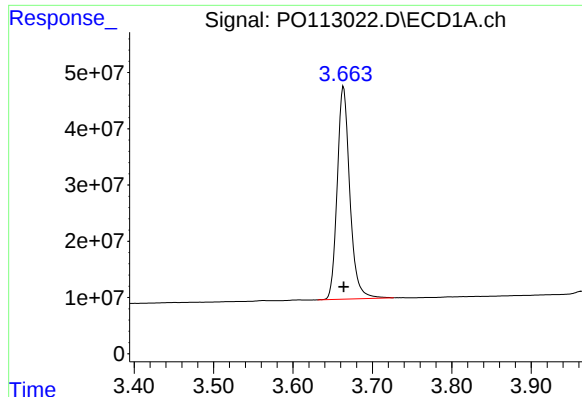
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 15:41
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:26:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:25:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

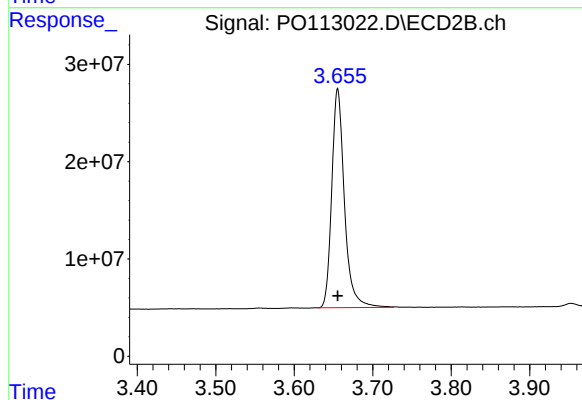




#1 Tetrachloro-m-xylene

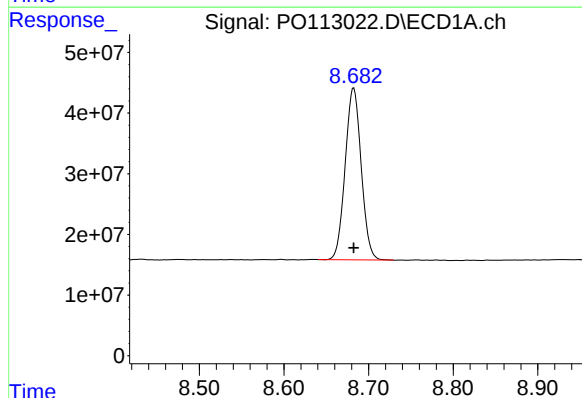
R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 415824456
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



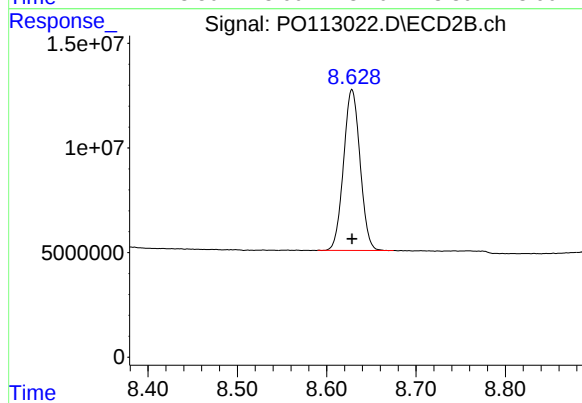
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 252956430
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 372435746
Conc: 50.00 ng/ml



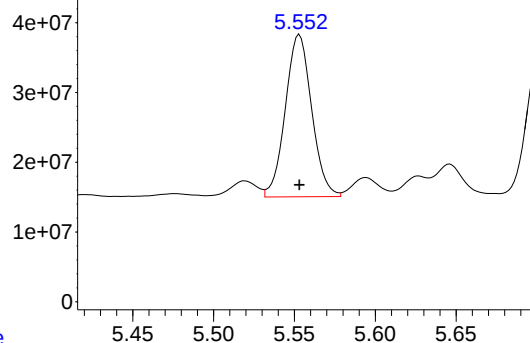
#2 Decachlorobiphenyl

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 98659064
Conc: 50.00 ng/ml

Response_

Signal: PO113022.D\ECD1A.ch

#26 AR-1254-1



R.T.: 5.553 min
Delta R.T.: 0.000 min
Response: 263580735
Conc: 500.00 ng/ml

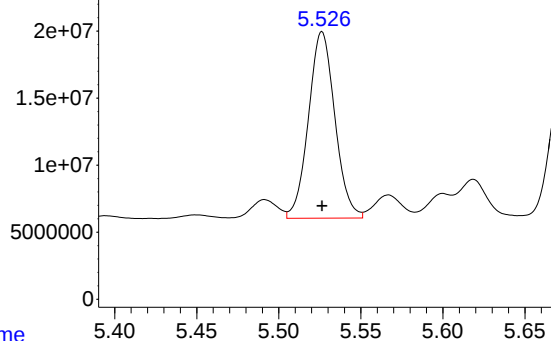
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Time

Response_

Signal: PO113022.D\ECD2B.ch

#26 AR-1254-1



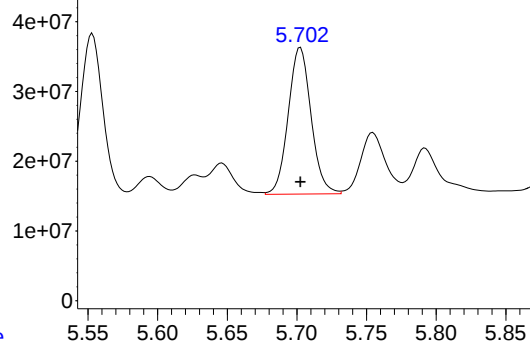
R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 155806437
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113022.D\ECD1A.ch

#27 AR-1254-2



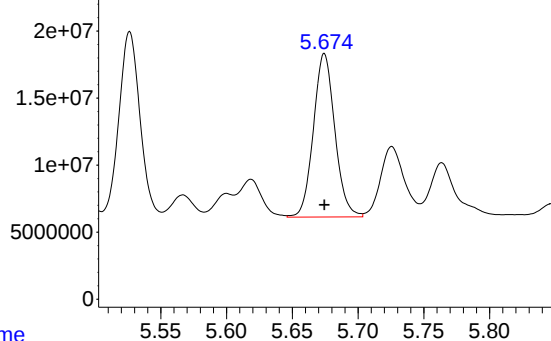
R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 239886505
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113022.D\ECD2B.ch

#27 AR-1254-2



R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 138301762
Conc: 500.00 ng/ml

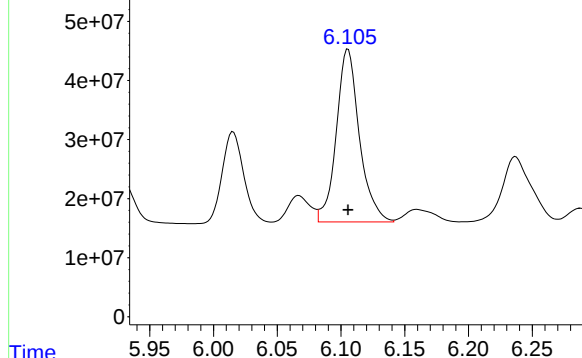
Time

Response_ Signal: PO113022.D\ECD1A.ch

#28 AR-1254-3

R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 369408964
Conc: 500.00 ng/ml

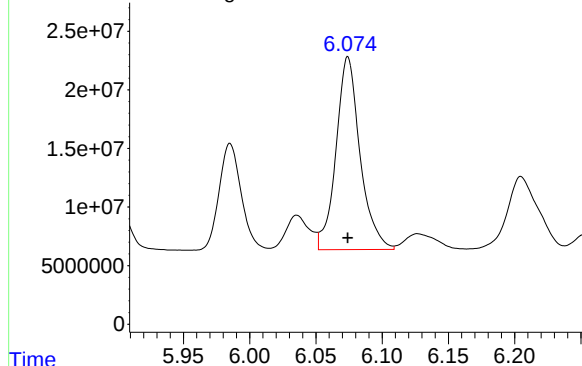
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



Time Response_ Signal: PO113022.D\ECD2B.ch

#28 AR-1254-3

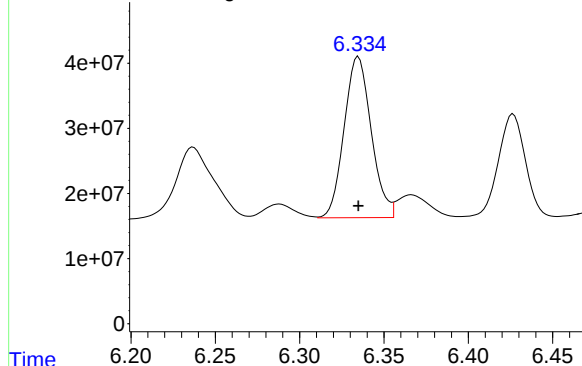
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 208021775
Conc: 500.00 ng/ml



Time Response_ Signal: PO113022.D\ECD1A.ch

#29 AR-1254-4

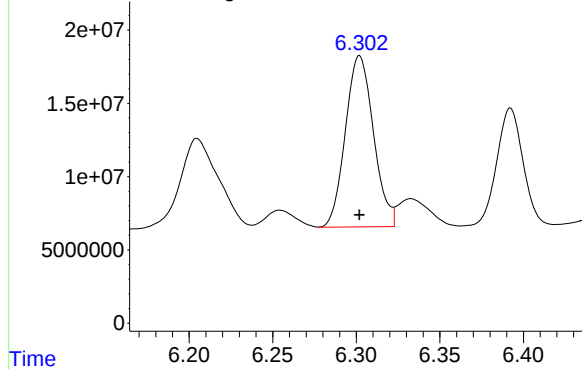
R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 276589351
Conc: 500.00 ng/ml



Time Response_ Signal: PO113022.D\ECD2B.ch

#29 AR-1254-4

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 136799454
Conc: 500.00 ng/ml

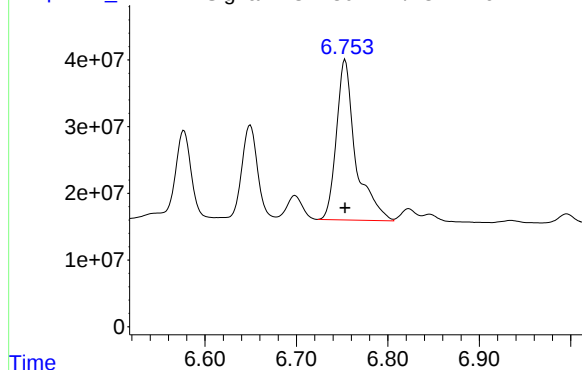


Response_

Signal: PO113022.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 351010748
Conc: 500.00 ng/ml

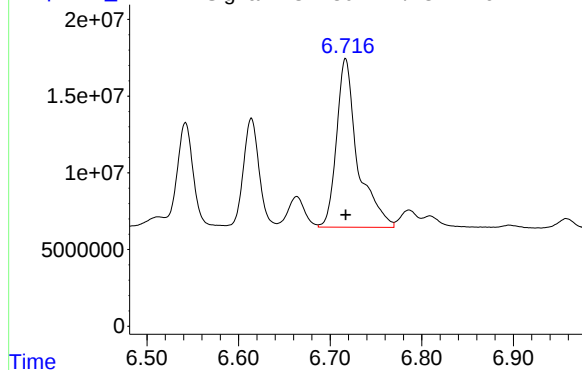
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Time

Response_

Signal: PO113022.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 175760656
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:00
 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: Aug 19 05:27:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:25:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.664	3.655	214.7E6	131.0E6	25.812	25.901
2) SA Decachlor...	8.683	8.628	190.8E6	50985128	25.612	25.839
Target Compounds						
26) L6 AR-1254-1	5.552	5.526	140.8E6	84054640	267.180	269.741
27) L6 AR-1254-2	5.702	5.674	128.2E6	75903732	267.296	274.413
28) L6 AR-1254-3	6.105	6.074	194.5E6	111.6E6	263.210	268.245
29) L6 AR-1254-4	6.335	6.301	144.8E6	72285443	261.698	264.202
30) L6 AR-1254-5	6.753	6.717	185.2E6	92940208	263.747	264.394

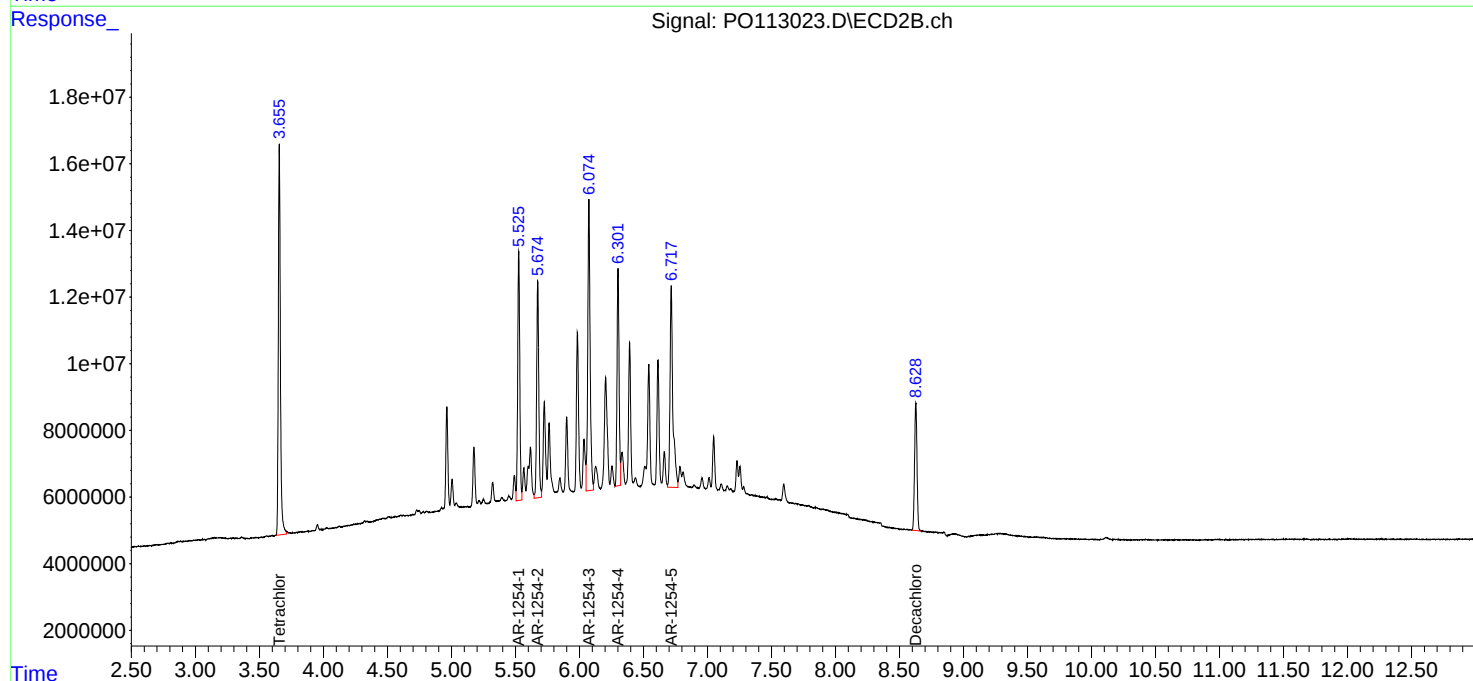
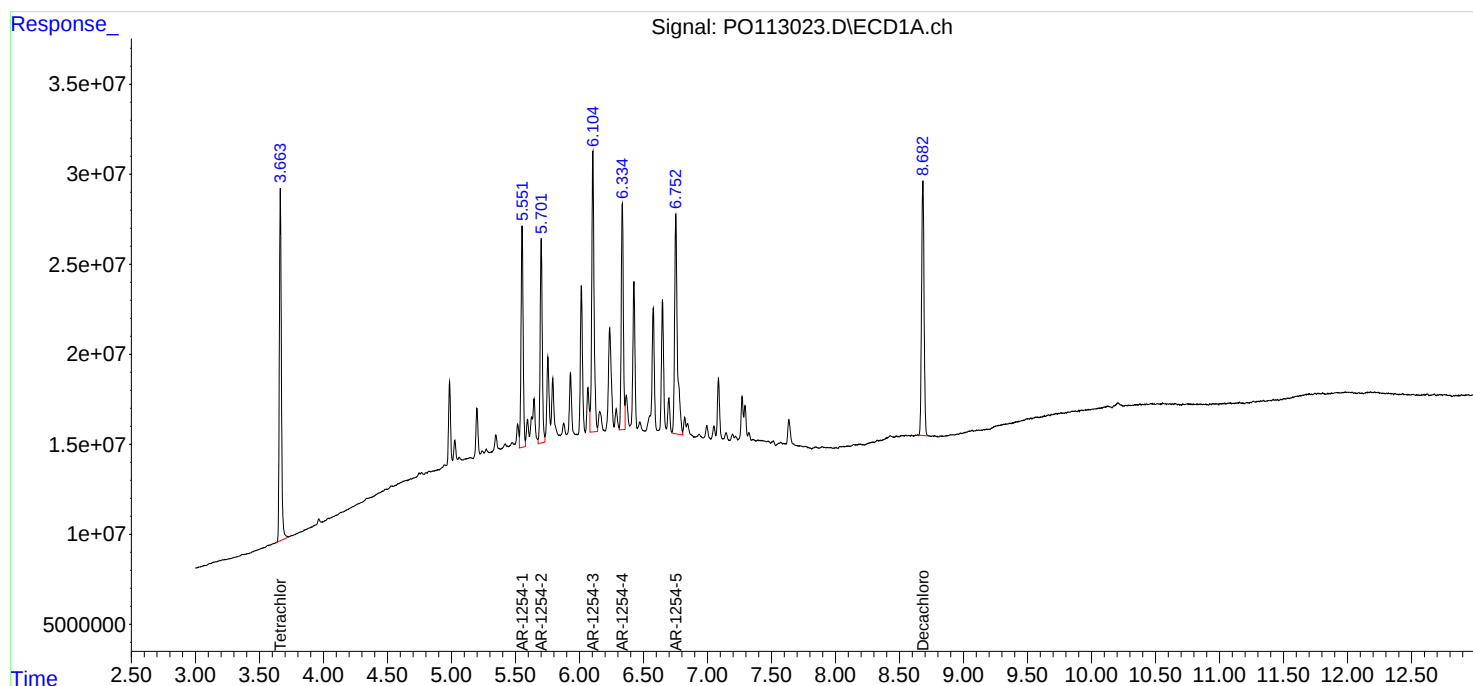
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

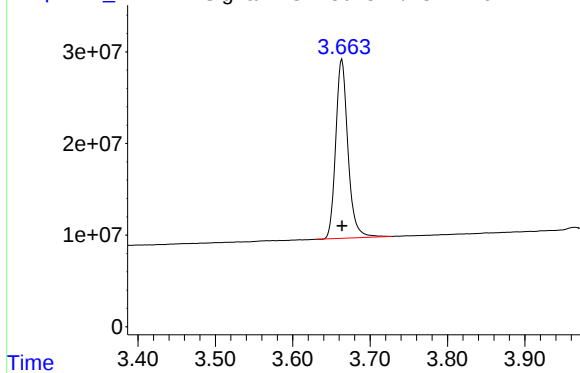
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:00
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:27:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:25:15 2025
Response via : Initial Calibration
Integrator: ChemStation

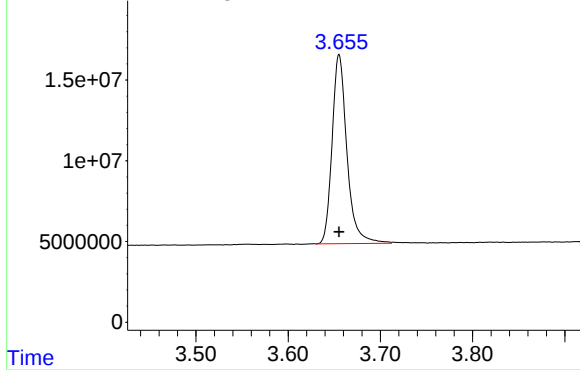
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



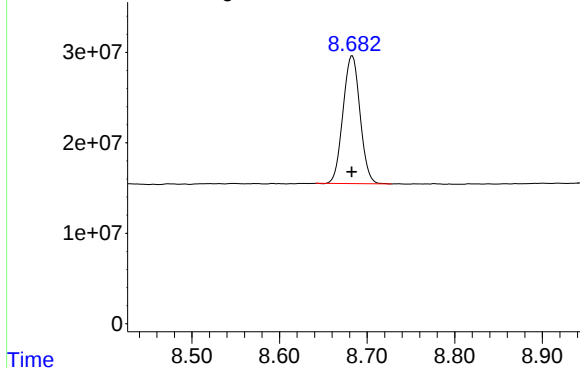


R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 214663784
Conc: 25.81 ng/ml

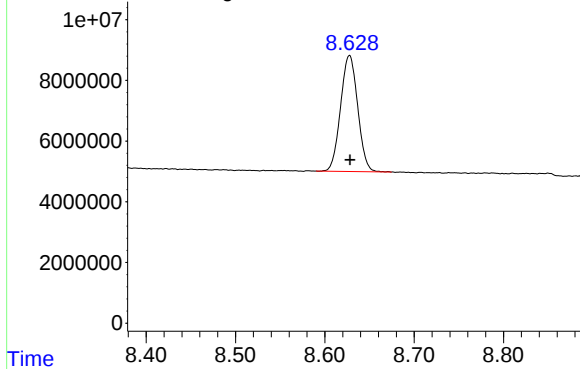
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



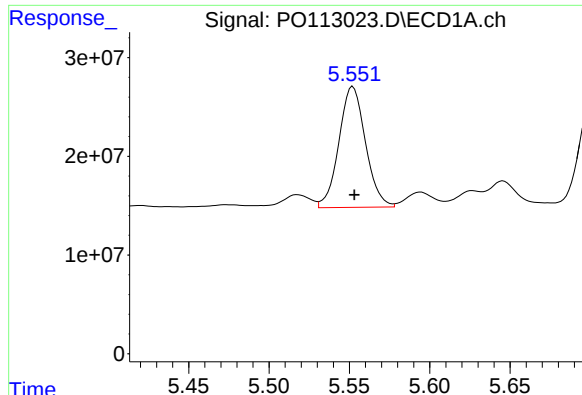
R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 131035629
Conc: 25.90 ng/ml



R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 190774514
Conc: 25.61 ng/ml



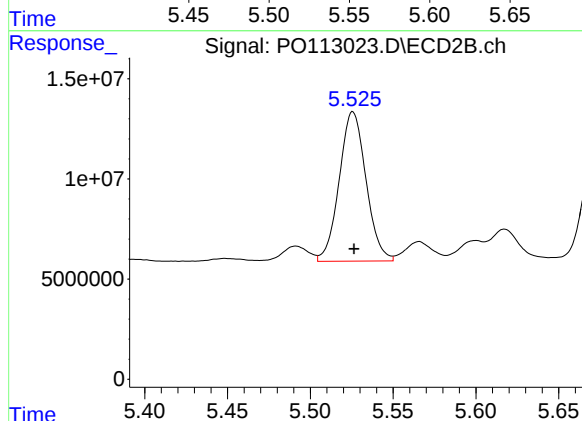
R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 50985128
Conc: 25.84 ng/ml



#26 AR-1254-1

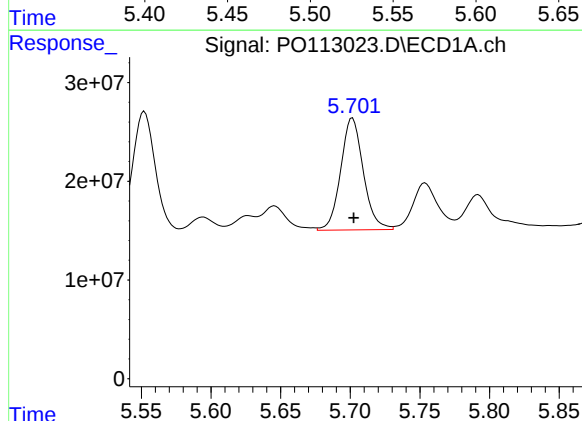
R.T.: 5.552 min
Delta R.T.: 0.000 min
Response: 140847199
Conc: 267.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



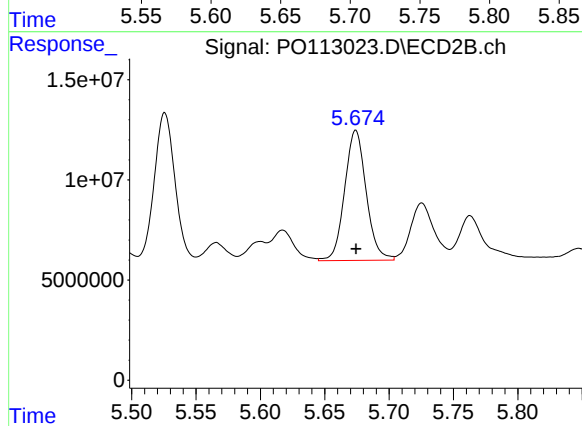
#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 84054640
Conc: 269.74 ng/ml



#27 AR-1254-2

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 128241350
Conc: 267.30 ng/ml



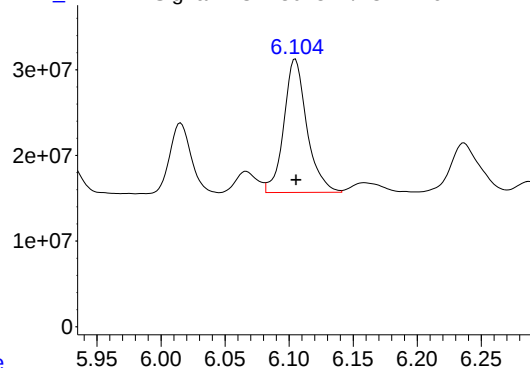
#27 AR-1254-2

R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 75903732
Conc: 274.41 ng/ml

Response_

Signal: PO113023.D\ECD1A.ch

#28 AR-1254-3



R.T.: 6.105 min
Delta R.T.: 0.000 min
Response: 194464185
Conc: 263.21 ng/ml

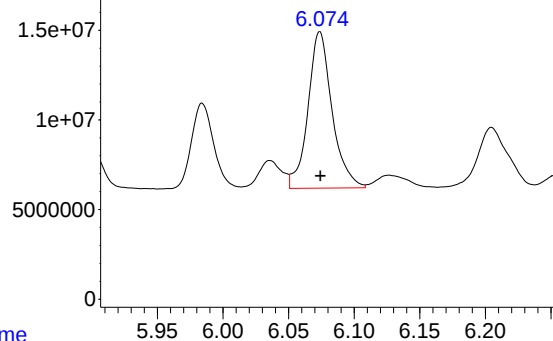
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Time

Response_

Signal: PO113023.D\ECD2B.ch

#28 AR-1254-3



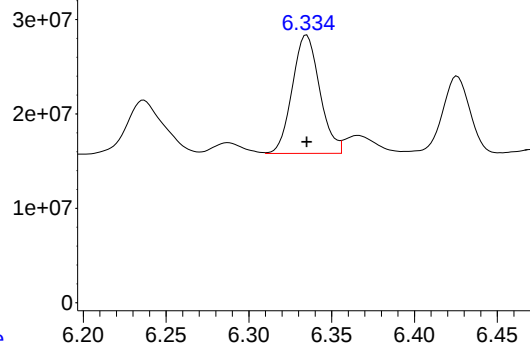
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 111601418
Conc: 268.24 ng/ml

Time

Response_

Signal: PO113023.D\ECD1A.ch

#29 AR-1254-4



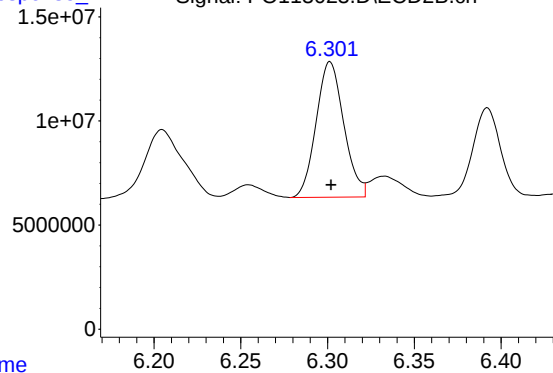
R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 144765924
Conc: 261.70 ng/ml

Time

Response_

Signal: PO113023.D\ECD2B.ch

#29 AR-1254-4



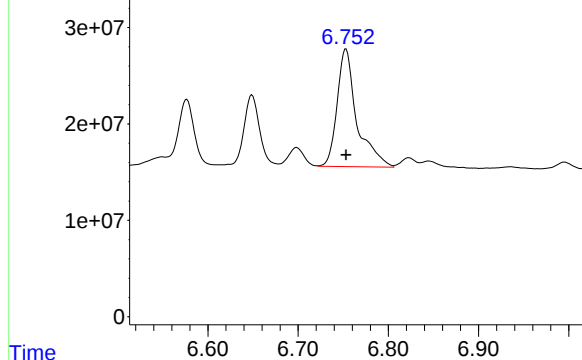
R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 72285443
Conc: 264.20 ng/ml

Time

Response_

Signal: PO113023.D\ECD1A.ch

#30 AR-1254-5



R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 185155971
Conc: 263.75 ng/ml

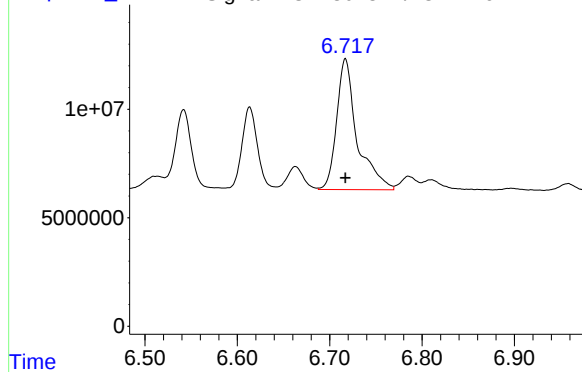
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Time

Response_

Signal: PO113023.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 92940208
Conc: 264.39 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\P0081825\
 Data File : P0113024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:18
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:27:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:25:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.663	3.655	36489191	23352844	4.388	4.616
2) SA Decachlor...	8.682	8.627	33466642	9234843	4.493	4.680
Target Compounds						
26) L6 AR-1254-1	5.553	5.525	29721929	16864555	56.381	54.120m
27) L6 AR-1254-2	5.702	5.673	27777860	15014303	57.898	54.281m
28) L6 AR-1254-3	6.105	6.073	36941091	20976378	50.000	50.419m
29) L6 AR-1254-4	6.335	6.302	28558766	14228719	51.627	52.006
30) L6 AR-1254-5	6.753	6.717	33818216	20038217	48.173	57.004

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:18
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

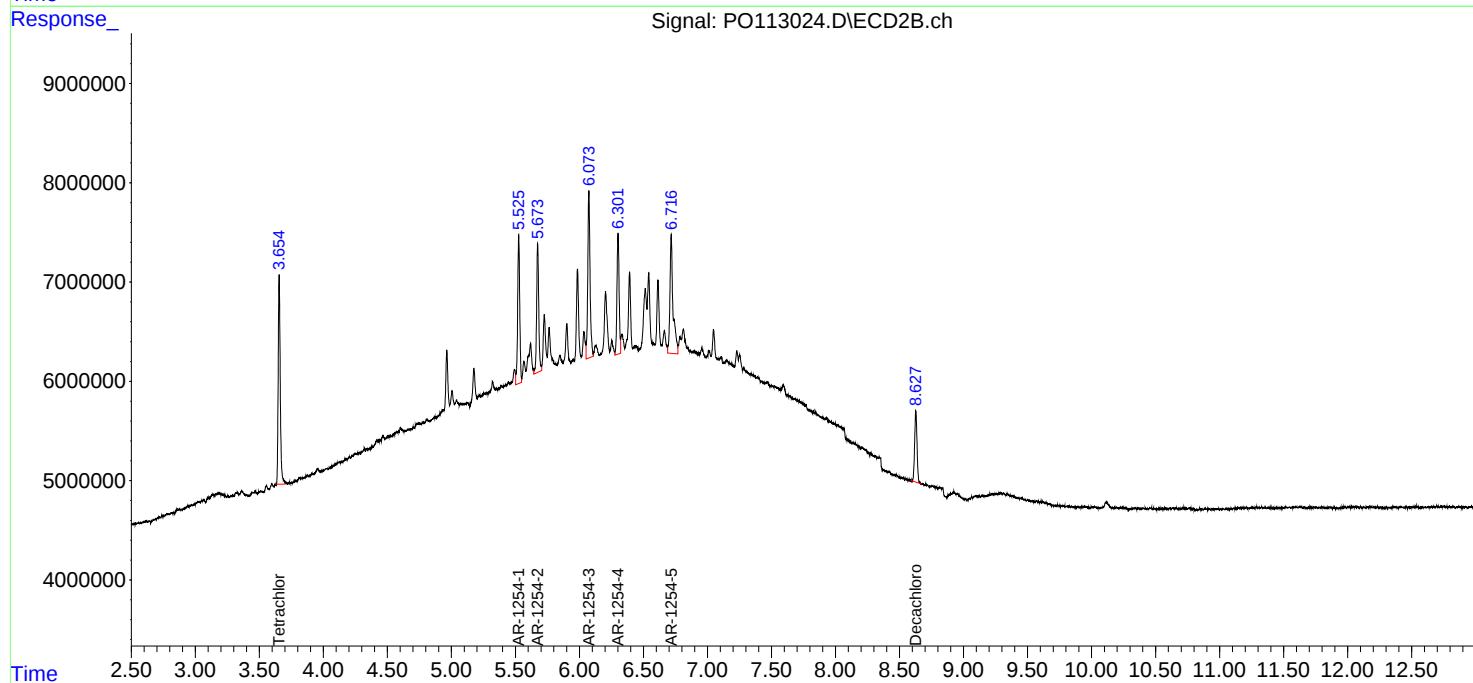
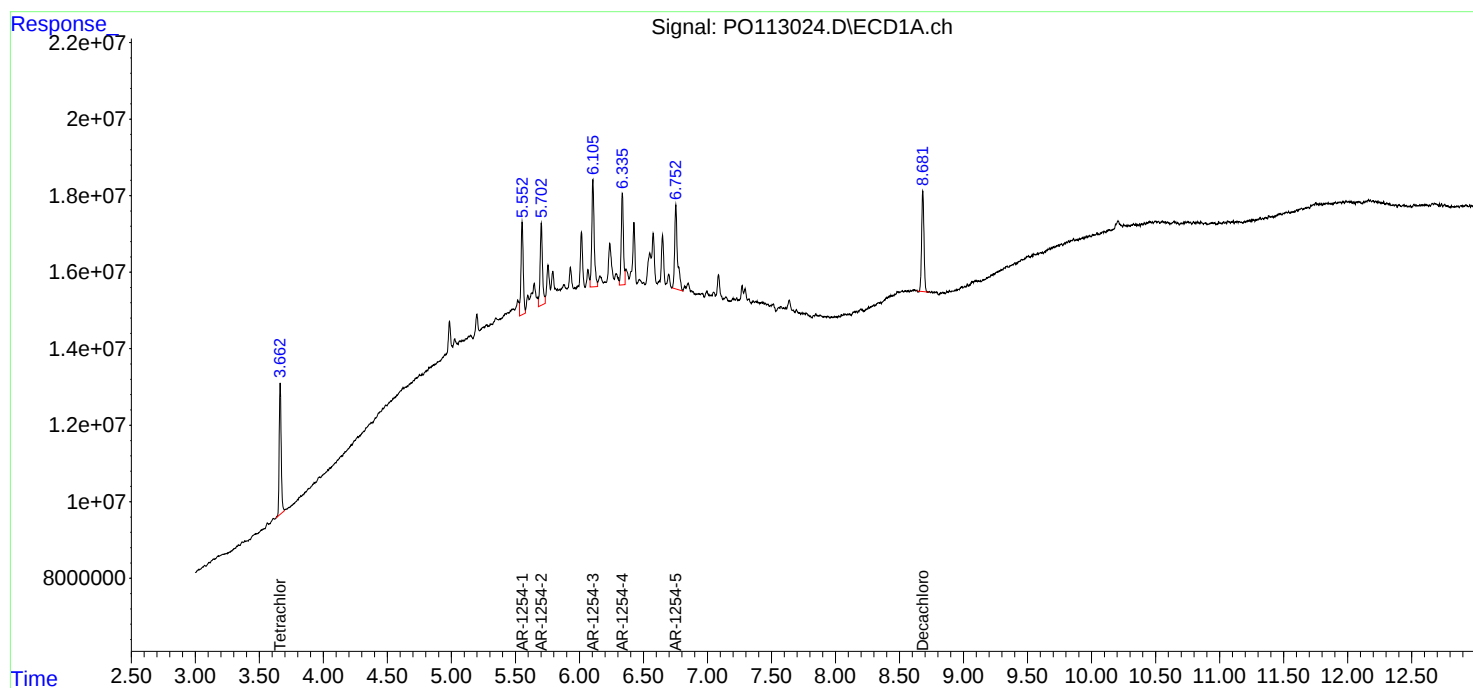
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

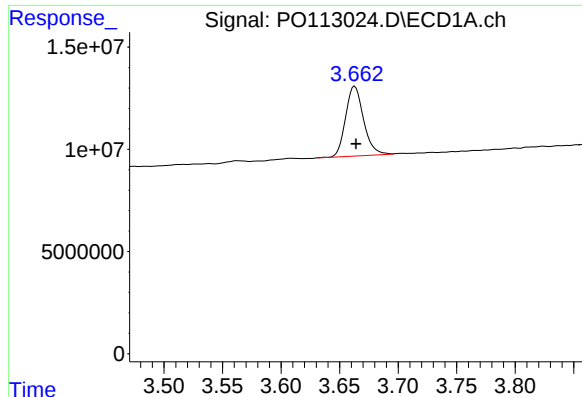
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:27:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:25:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





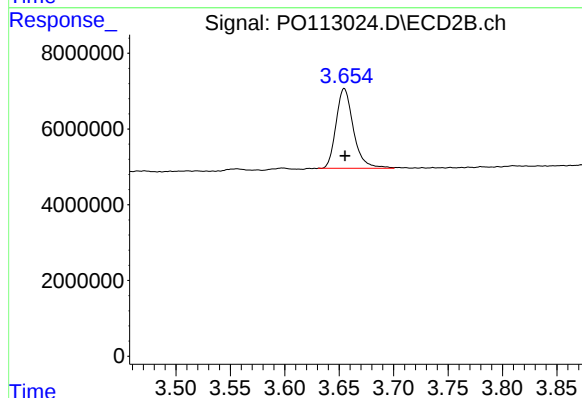
#1 Tetrachloro-m-xylene

R.T.: 3.663 min
Delta R.T.: -0.001 min
Response: 36489191
Conc: 4.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

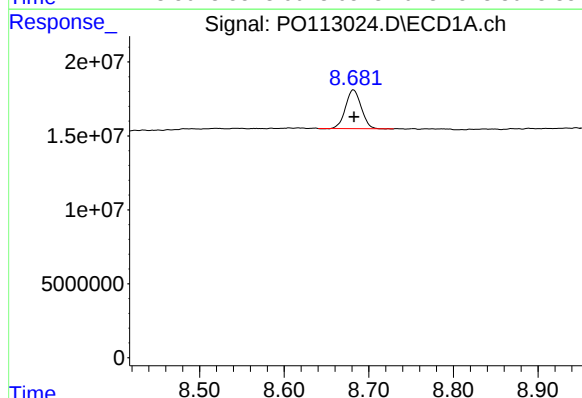
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



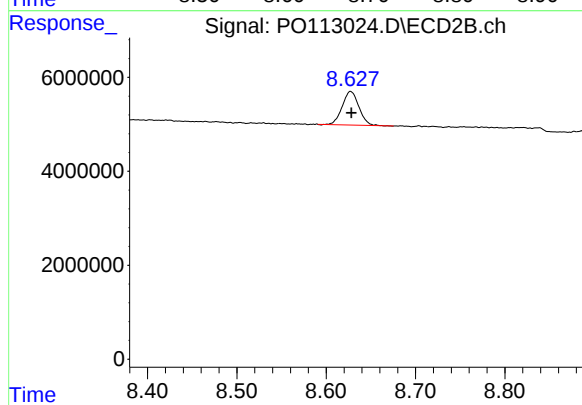
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 23352844
Conc: 4.62 ng/ml



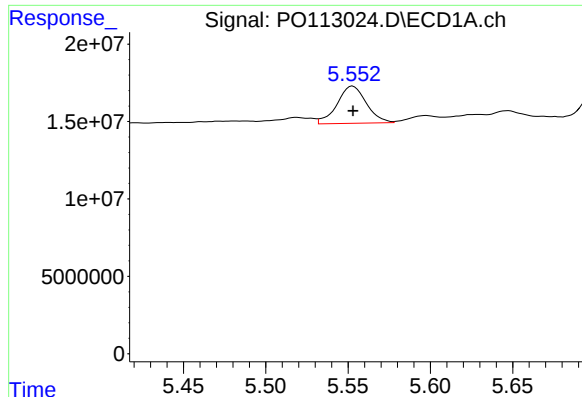
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 33466642
Conc: 4.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 9234843
Conc: 4.68 ng/ml



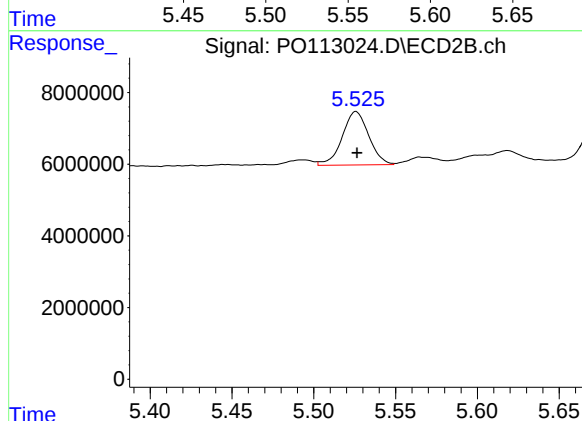
#26 AR-1254-1

R.T.: 5.553 min
Delta R.T.: 0.000 min
Response: 29721929
Conc: 56.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

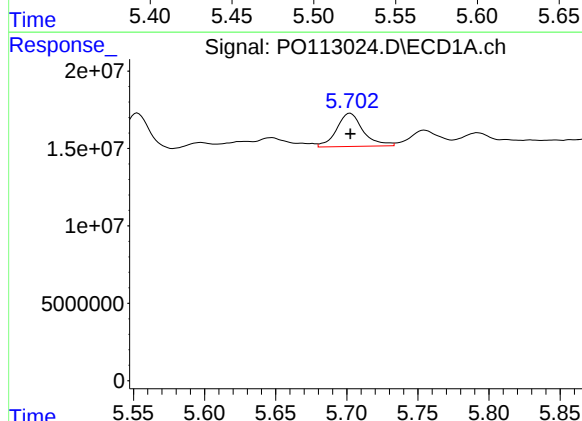
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



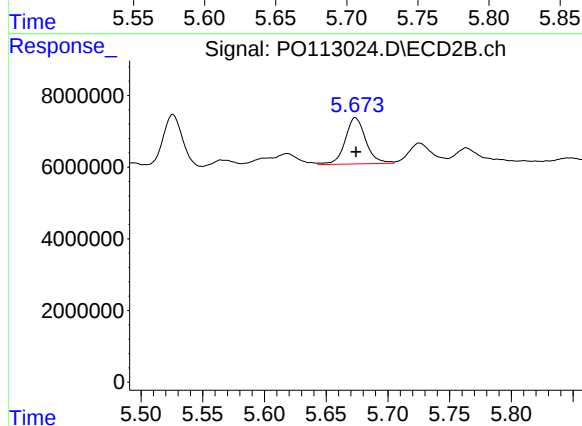
#26 AR-1254-1

R.T.: 5.525 min
Delta R.T.: 0.000 min
Response: 16864555
Conc: 54.12 ng/ml m



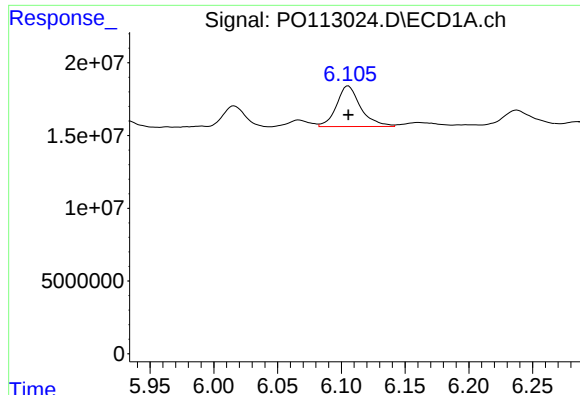
#27 AR-1254-2

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 27777860
Conc: 57.90 ng/ml



#27 AR-1254-2

R.T.: 5.673 min
Delta R.T.: -0.001 min
Response: 15014303
Conc: 54.28 ng/ml m



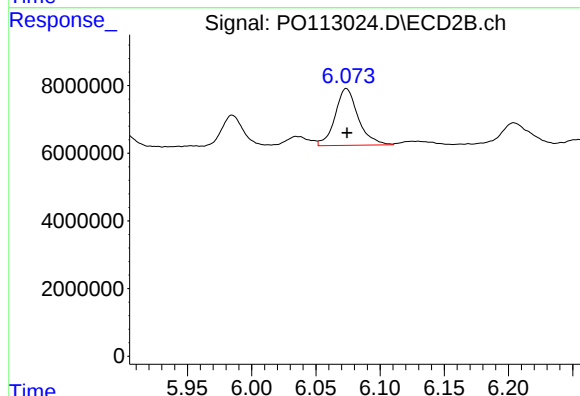
#28 AR-1254-3

R.T.: 6.105 min
Delta R.T.: 0.000 min
Response: 36941091
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

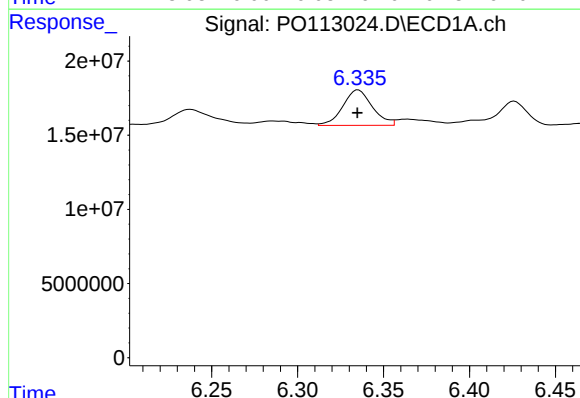
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



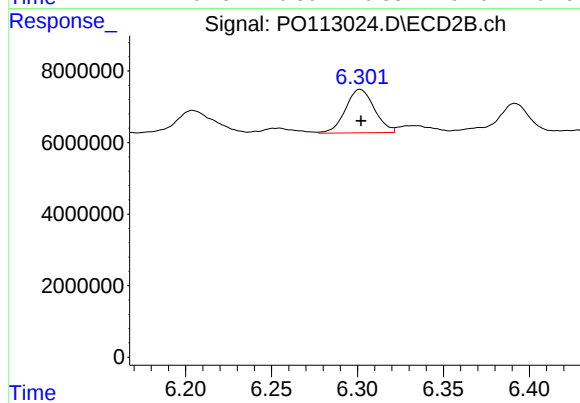
#28 AR-1254-3

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 20976378
Conc: 50.42 ng/ml m



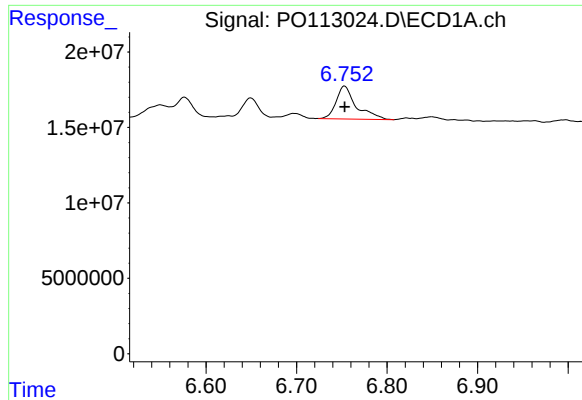
#29 AR-1254-4

R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 28558766
Conc: 51.63 ng/ml



#29 AR-1254-4

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 14228719
Conc: 52.01 ng/ml



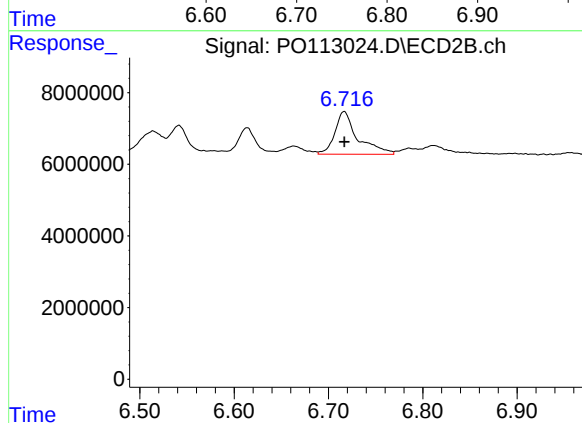
#30 AR-1254-5

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 33818216
Conc: 48.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#30 AR-1254-5

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 20038217
Conc: 57.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:54
 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: Aug 19 05:39:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:39:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.662	3.656	406.7E6	247.5E6	50.000	50.000
2) SA Decachlor...	8.680	8.628	369.8E6	97697594	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.790	6.755	457.9E6	207.3E6	500.000	500.000
37) L8 AR-1262-2	7.292	7.255	756.1E6	258.8E6	500.000	500.000
38) L8 AR-1262-3	7.575	7.536	277.1E6	89795239	500.000	500.000
39) L8 AR-1262-4	7.639	7.600	489.0E6	145.0E6	500.000	500.000
40) L8 AR-1262-5	8.135	8.092	208.4E6	54165644	500.000	500.000

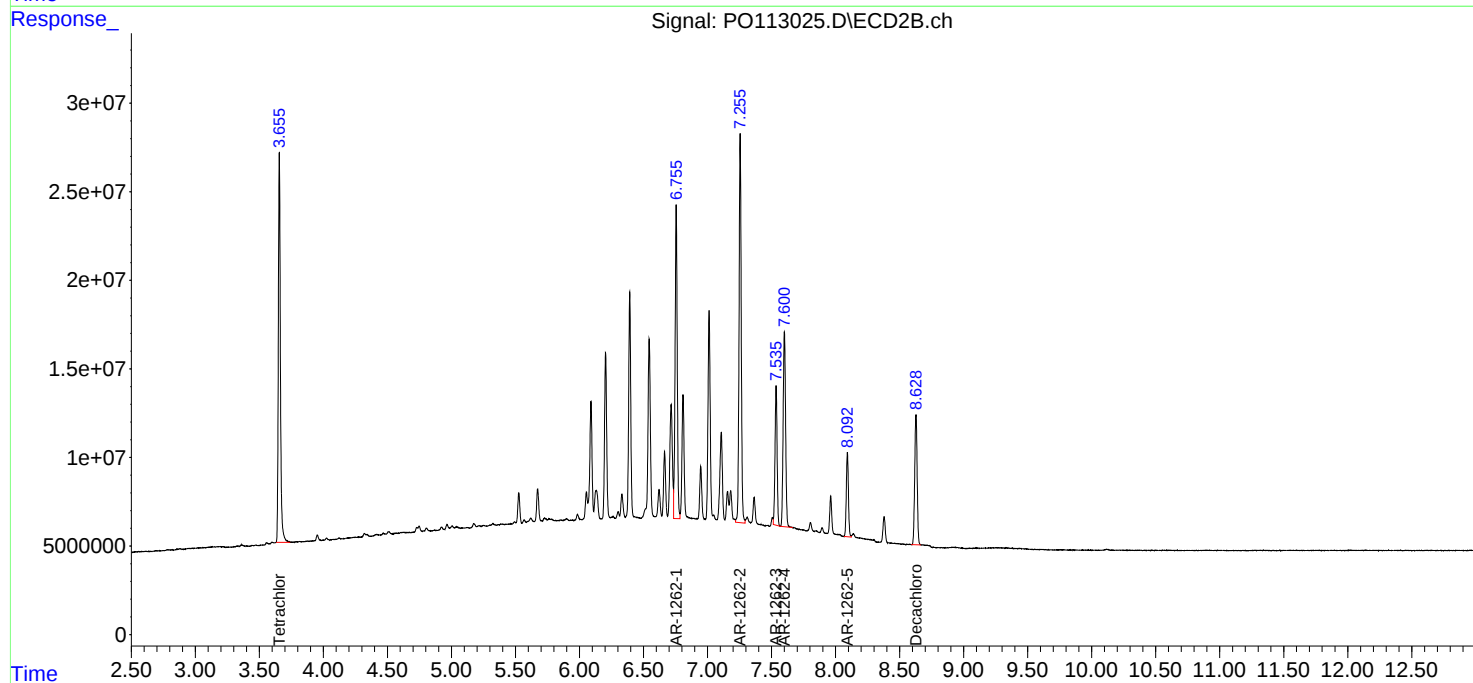
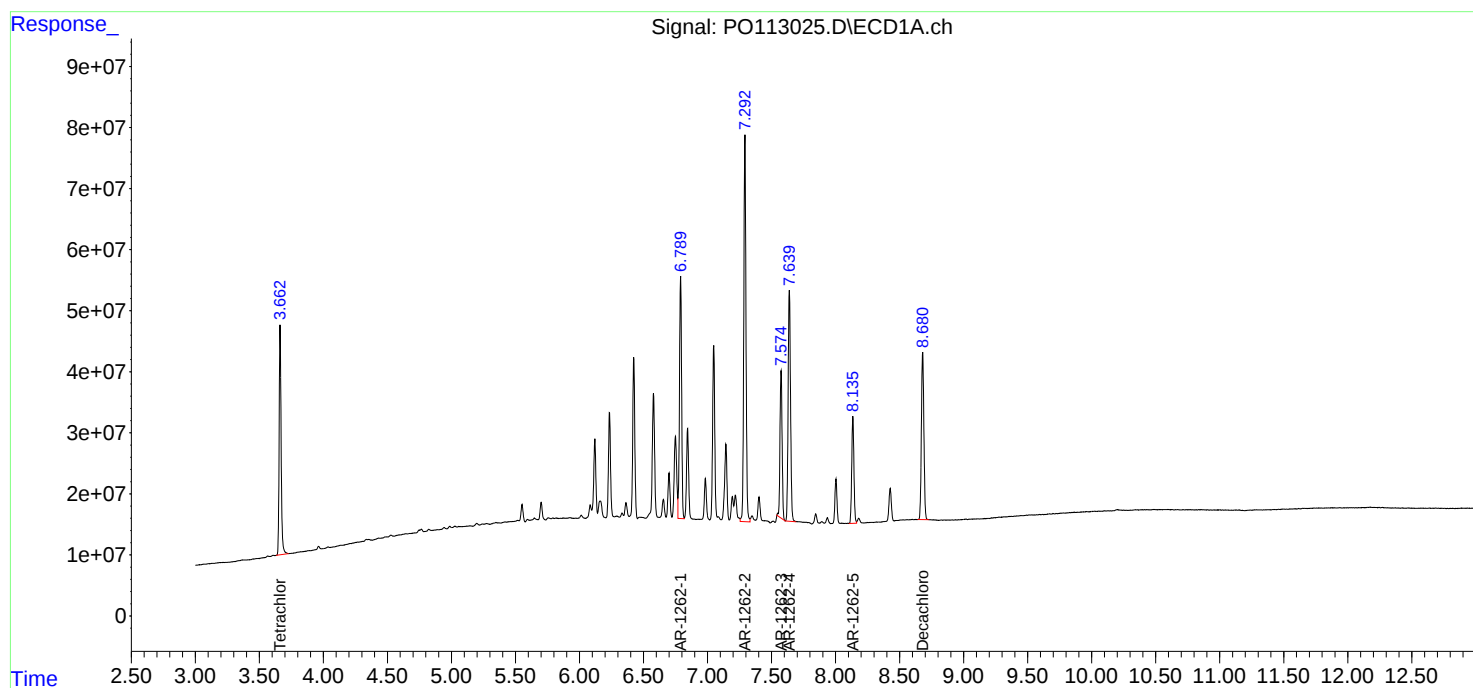
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

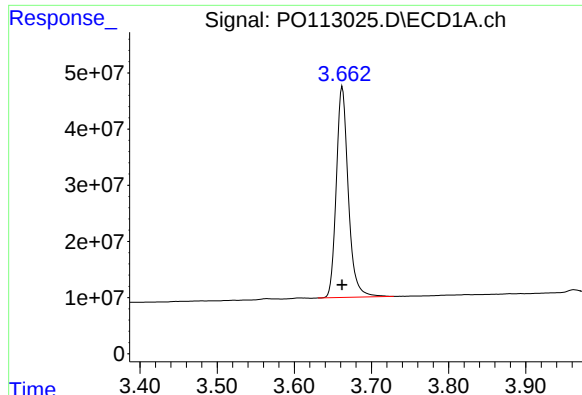
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:54
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:39:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:39:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

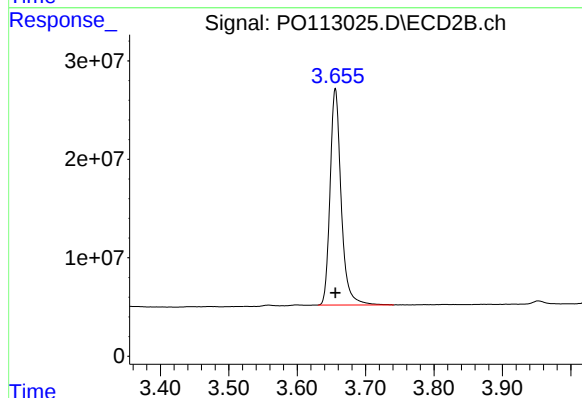




#1 Tetrachloro-m-xylene

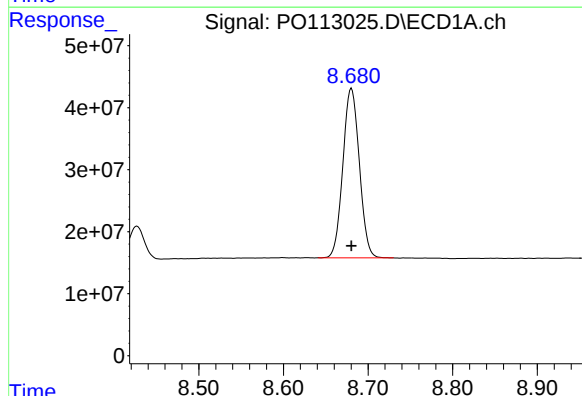
R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 406713208
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



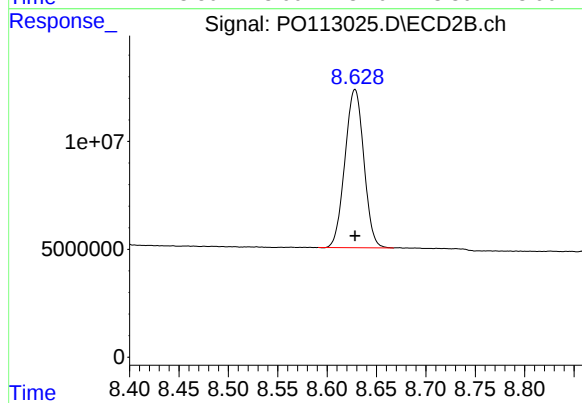
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 247504965
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 369793839
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 97697594
Conc: 50.00 ng/ml

Response_

Signal: PO113025.D\ECD1A.ch

#36 AR-1262-1

R.T.: 6.790 min

Delta R.T.: 0.000 min

Response: 457881599

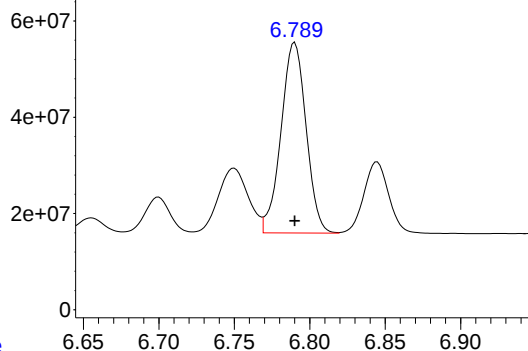
Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1262ICC500



Time

Response_

Signal: PO113025.D\ECD2B.ch

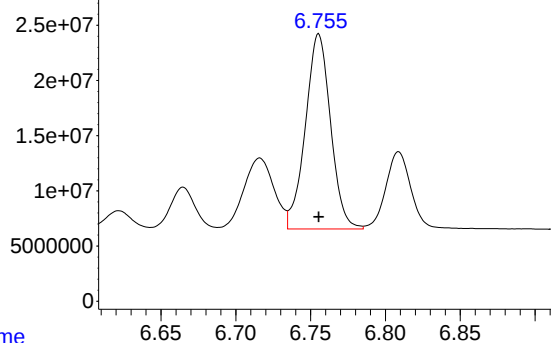
#36 AR-1262-1

R.T.: 6.755 min

Delta R.T.: 0.000 min

Response: 207307096

Conc: 500.00 ng/ml



Time

Response_

Signal: PO113025.D\ECD1A.ch

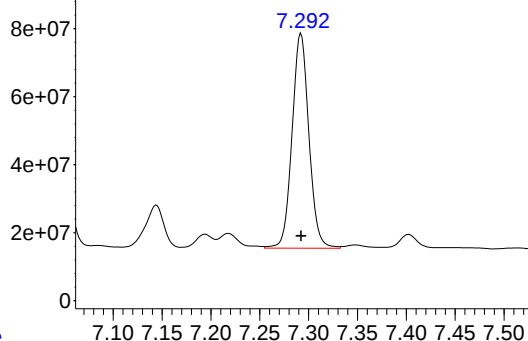
#37 AR-1262-2

R.T.: 7.292 min

Delta R.T.: 0.000 min

Response: 756077574

Conc: 500.00 ng/ml



Time

Response_

Signal: PO113025.D\ECD2B.ch

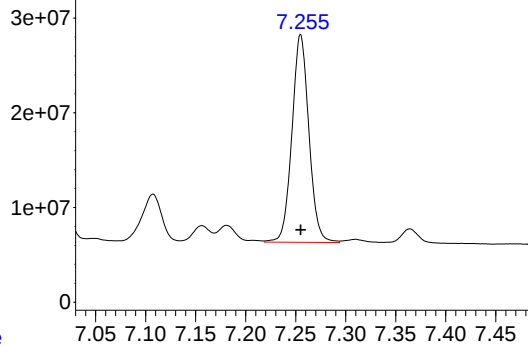
#37 AR-1262-2

R.T.: 7.255 min

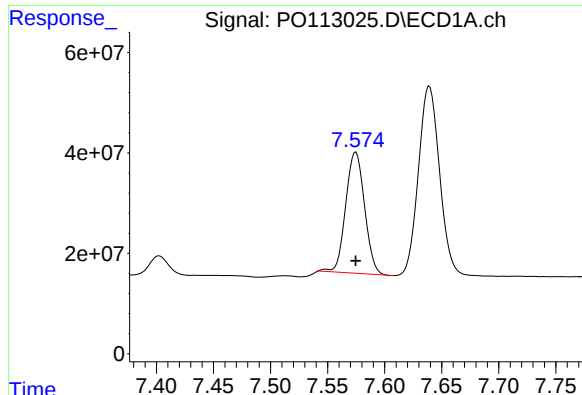
Delta R.T.: 0.000 min

Response: 258835191

Conc: 500.00 ng/ml



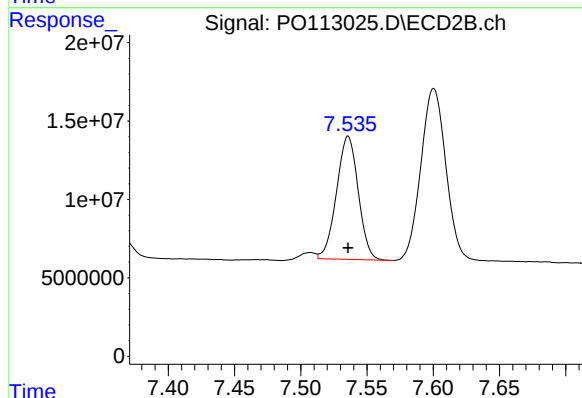
Time



#38 AR-1262-3

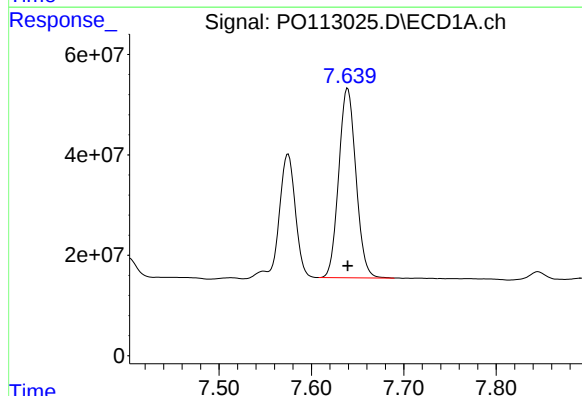
R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 277053638
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



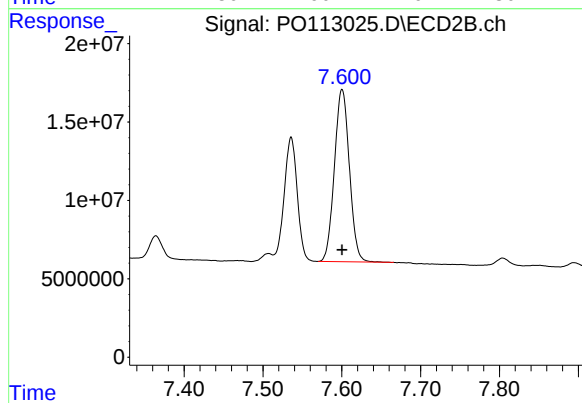
#38 AR-1262-3

R.T.: 7.536 min
Delta R.T.: 0.000 min
Response: 89795239
Conc: 500.00 ng/ml



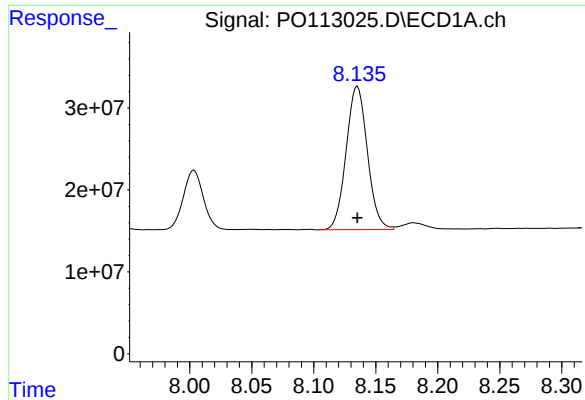
#39 AR-1262-4

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 488984166
Conc: 500.00 ng/ml



#39 AR-1262-4

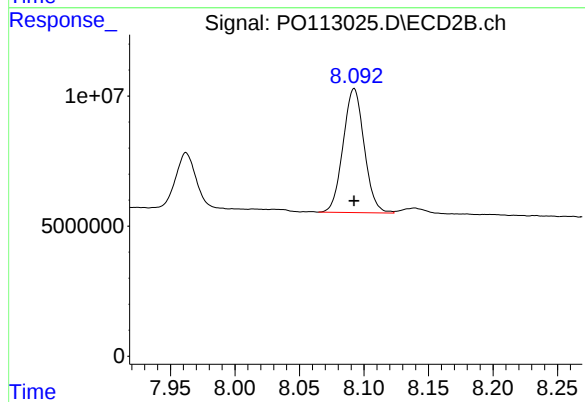
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 144950632
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.135 min
Delta R.T.: 0.000 min
Response: 208439165
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.092 min
Delta R.T.: 0.000 min
Response: 54165644
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113026.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:12
 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: Aug 19 05:48:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:48:08 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...	3.664	3.656	838.3E6	509.2E6	98.889	99.430
2) SA Decachlor...	8.682	8.627	1357.3E6	346.9E6	97.480	96.565
Target Compounds						
41) L9 AR-1268-1	7.577	7.537	1761.0E6	505.3E6	976.230	954.513
42) L9 AR-1268-2	7.642	7.602	1477.2E6	411.8E6	973.638	954.016
43) L9 AR-1268-3	7.846	7.805	1233.6E6	321.7E6	970.801	947.705
44) L9 AR-1268-4	8.137	8.092	475.8E6	120.3E6	998.193	977.393
45) L9 AR-1268-5	8.428	8.379	3340.5E6	793.7E6	996.727	976.596

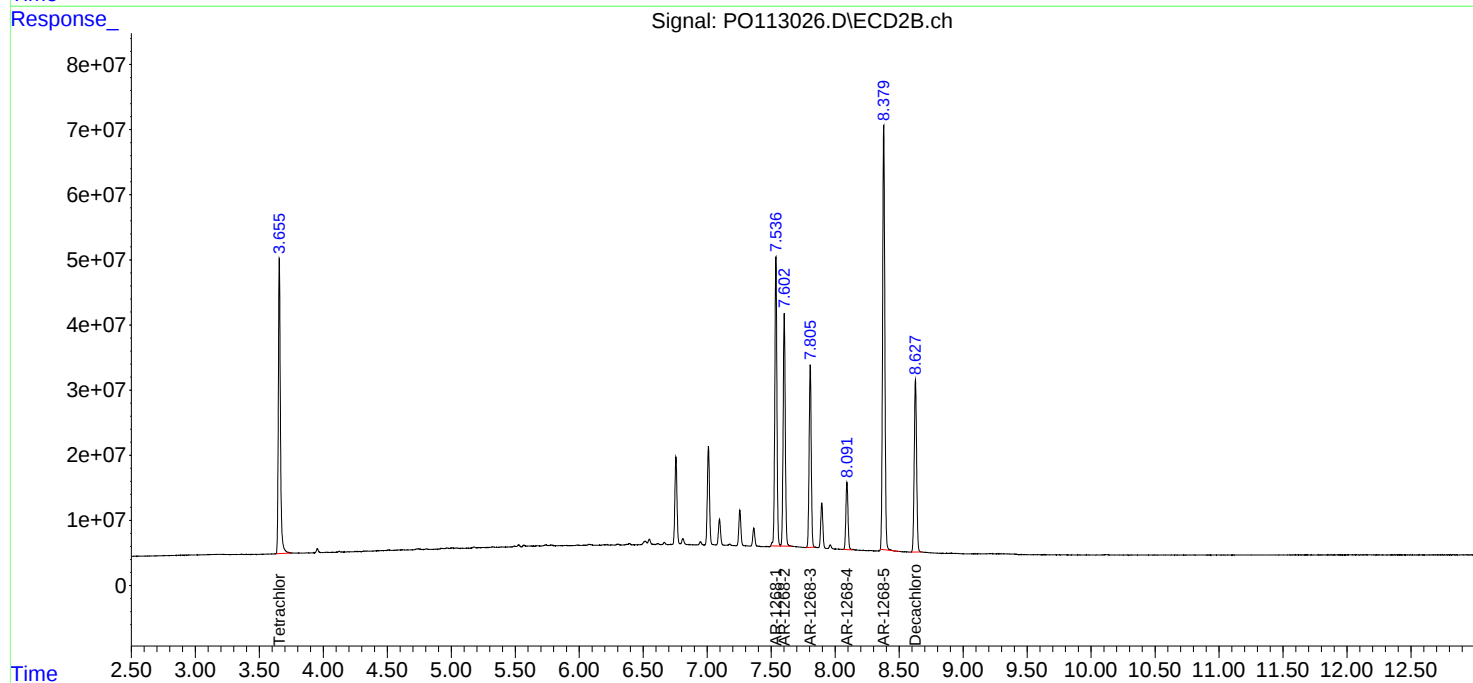
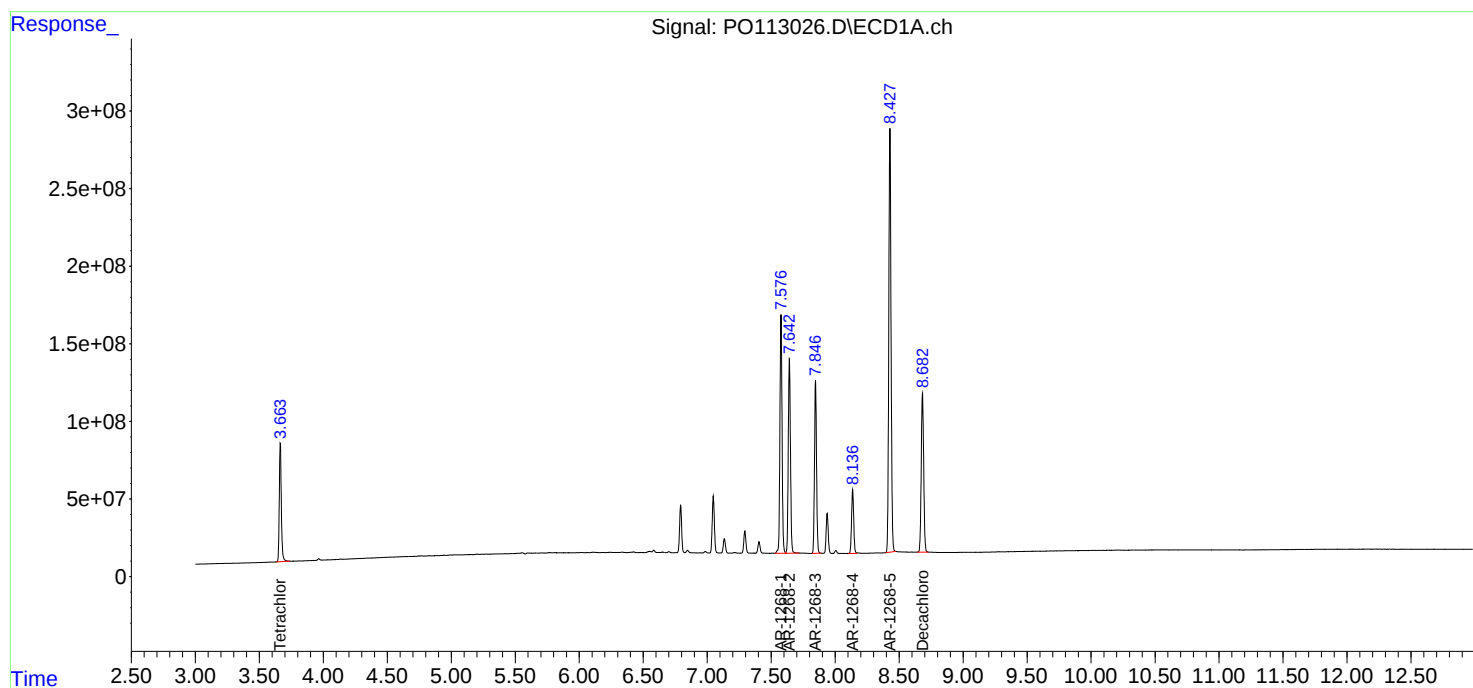
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

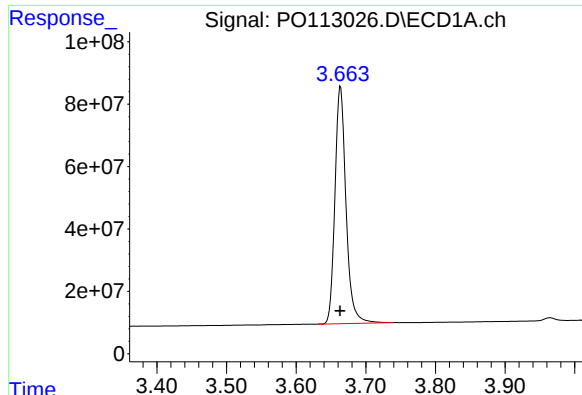
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:12
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:48:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:48:08 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

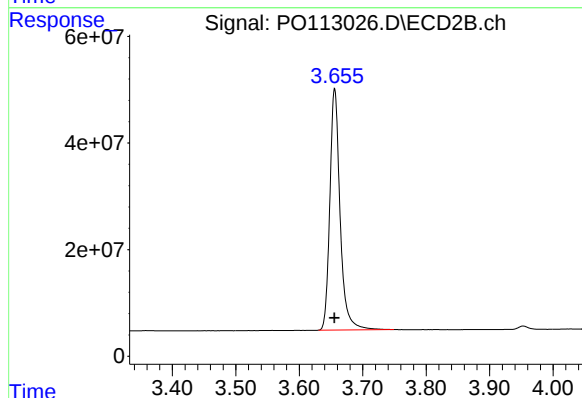




#1 Tetrachloro-m-xylene

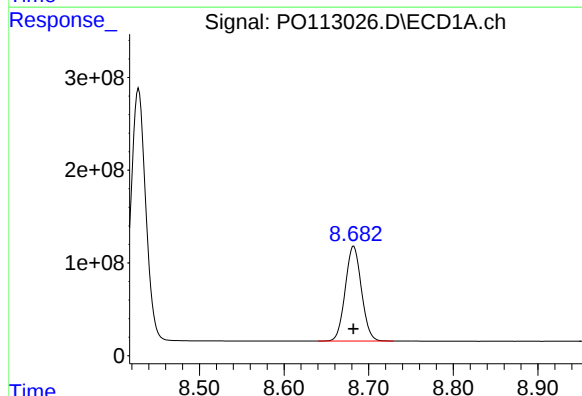
R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 838328384
Conc: 98.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



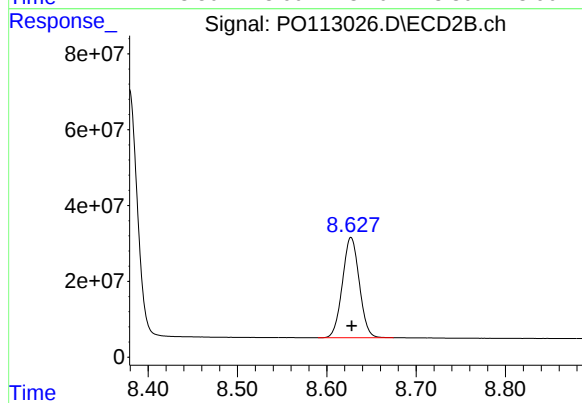
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 509172314
Conc: 99.43 ng/ml



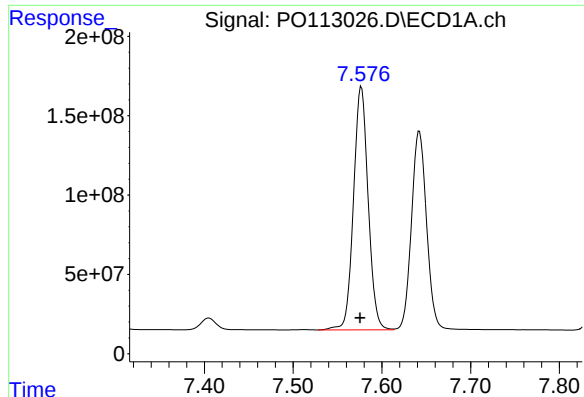
#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 1357308467
Conc: 97.48 ng/ml



#2 Decachlorobiphenyl

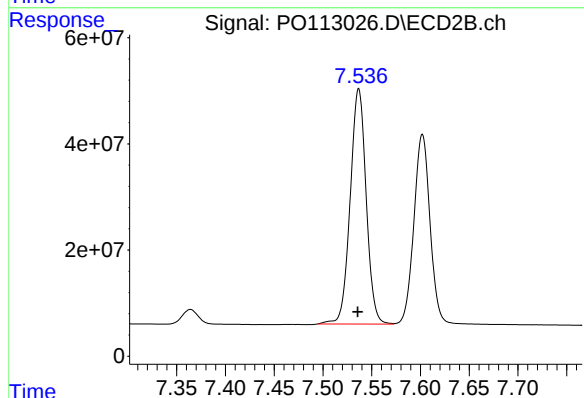
R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 346867860
Conc: 96.57 ng/ml



#41 AR-1268-1

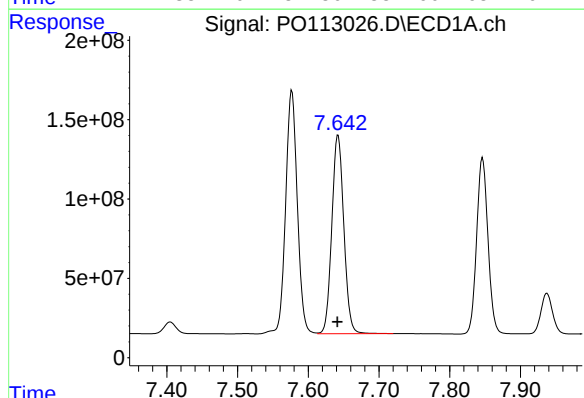
R.T.: 7.577 min
Delta R.T.: 0.001 min
Response: 1761014831
Conc: 976.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



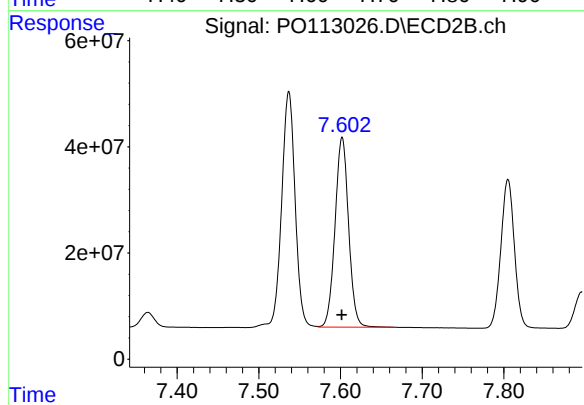
#41 AR-1268-1

R.T.: 7.537 min
Delta R.T.: 0.000 min
Response: 505322959
Conc: 954.51 ng/ml



#42 AR-1268-2

R.T.: 7.642 min
Delta R.T.: 0.001 min
Response: 1477166466
Conc: 973.64 ng/ml



#42 AR-1268-2

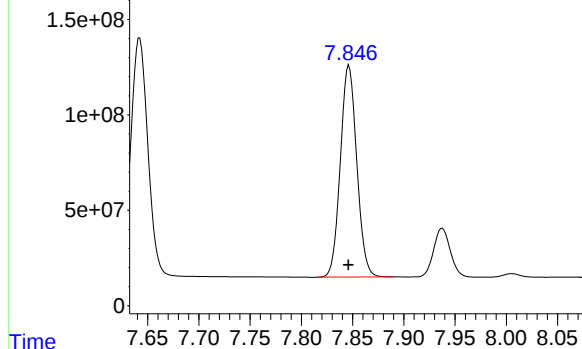
R.T.: 7.602 min
Delta R.T.: 0.000 min
Response: 411828393
Conc: 954.02 ng/ml

Response_ Signal: PO113026.D\ECD1A.ch

#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 1233609752
Conc: 970.80 ng/ml

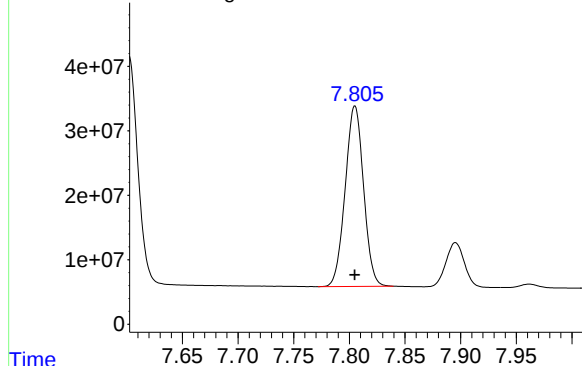
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



Response_ Signal: PO113026.D\ECD2B.ch

#43 AR-1268-3

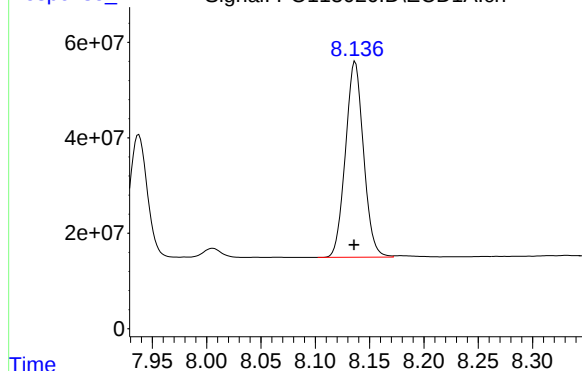
R.T.: 7.805 min
Delta R.T.: 0.000 min
Response: 321714437
Conc: 947.70 ng/ml



Response_ Signal: PO113026.D\ECD1A.ch

#44 AR-1268-4

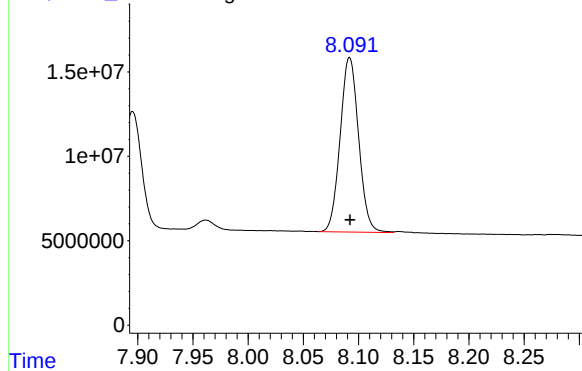
R.T.: 8.137 min
Delta R.T.: 0.001 min
Response: 475808490
Conc: 998.19 ng/ml



Response_ Signal: PO113026.D\ECD2B.ch

#44 AR-1268-4

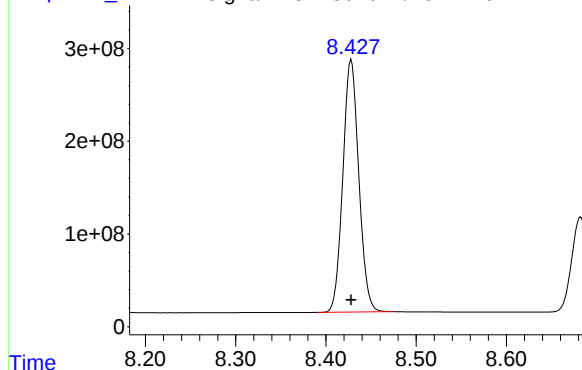
R.T.: 8.092 min
Delta R.T.: 0.000 min
Response: 120303152
Conc: 977.39 ng/ml



Response_

Signal: PO113026.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 3340543820
Conc: 996.73 ng/ml

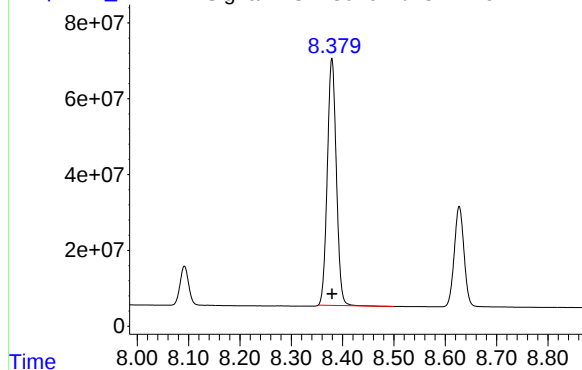
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Time

Response_

Signal: PO113026.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.379 min
Delta R.T.: 0.000 min
Response: 793658604
Conc: 976.60 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:30
 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: Aug 19 05:49:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:48:08 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...	3.661	3.655	635.0E6	385.8E6	74.903	75.334
2) SA Decachlor...	8.679	8.626	1024.0E6	262.4E6	73.544	73.041
Target Compounds						
41) L9 AR-1268-1	7.573	7.535	1330.9E6	375.0E6	737.820	708.257
42) L9 AR-1268-2	7.639	7.601	1119.3E6	306.5E6	737.779	709.930
43) L9 AR-1268-3	7.844	7.804	934.0E6	240.8E6	734.989	709.221
44) L9 AR-1268-4	8.133	8.092	359.4E6	91683621	754.004	744.876
45) L9 AR-1268-5	8.426	8.378	2501.0E6	597.6E6	746.242	735.293

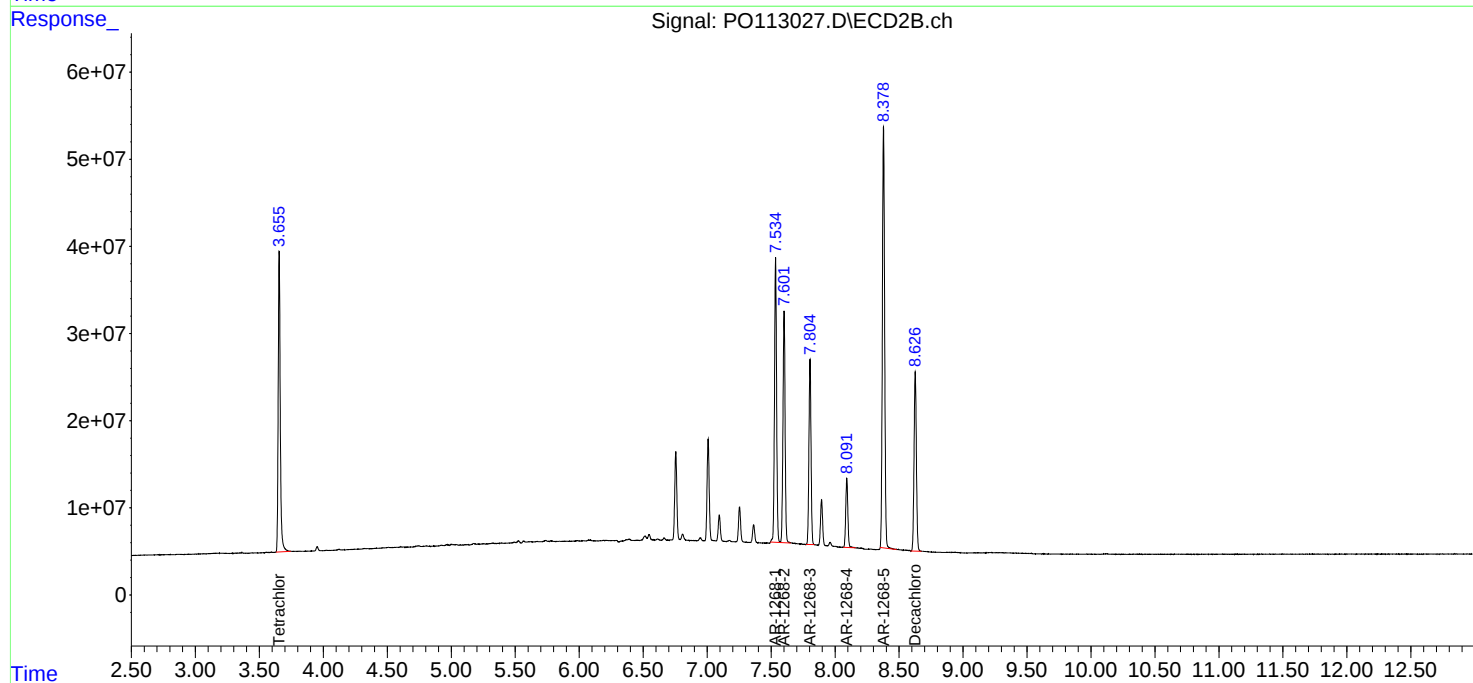
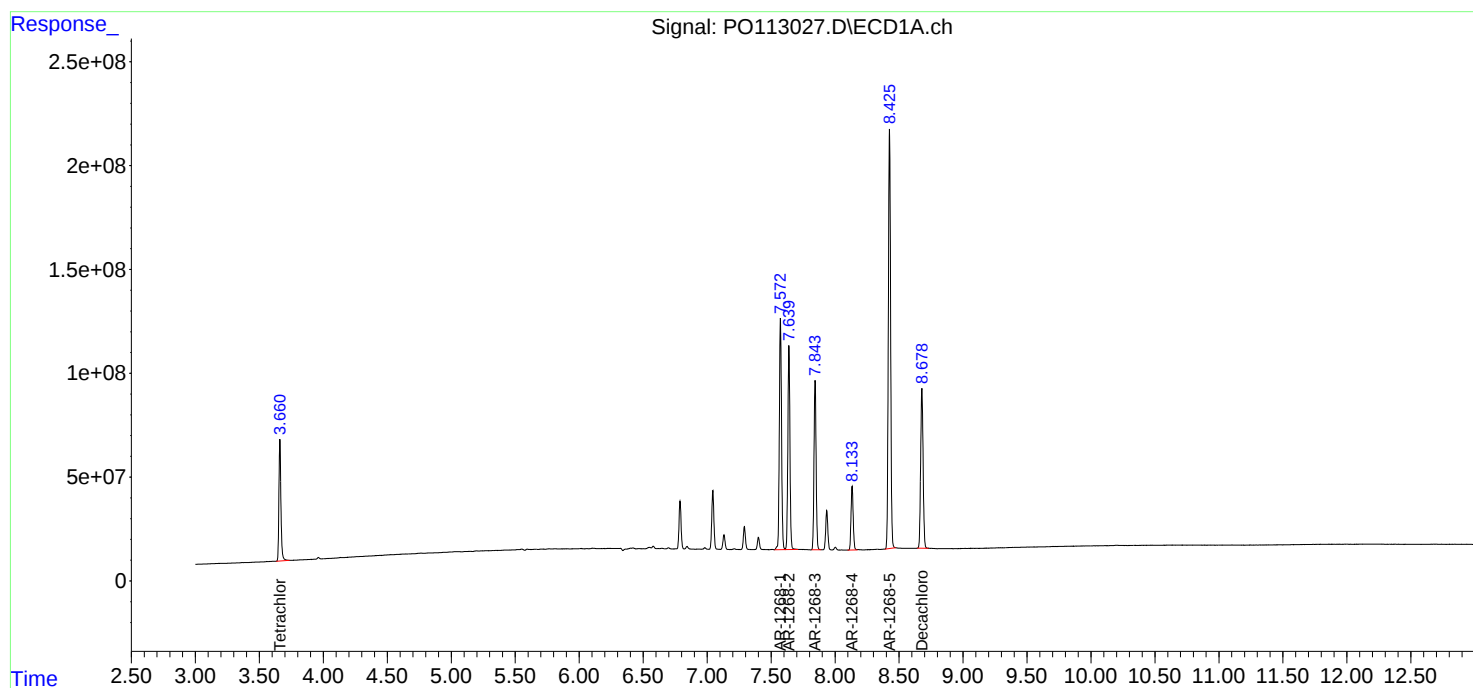
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

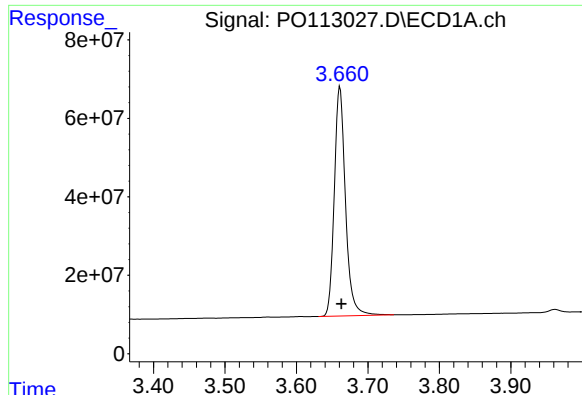
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:30
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:49:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:48:08 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

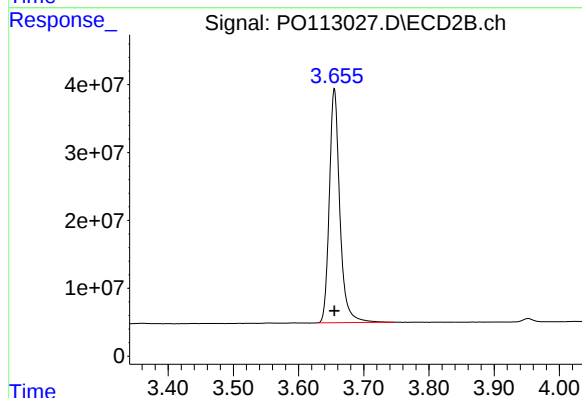




#1 Tetrachloro-m-xylene

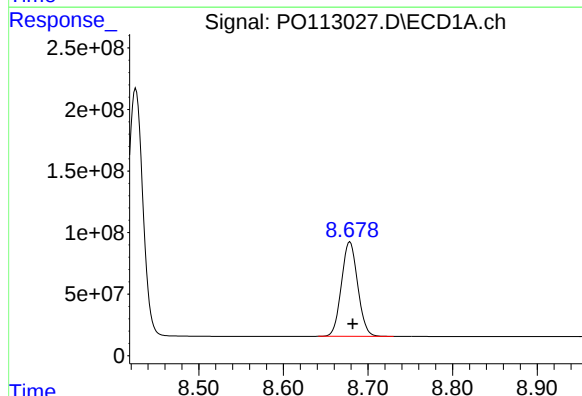
R.T.: 3.661 min
Delta R.T.: -0.002 min
Response: 634990936
Conc: 74.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



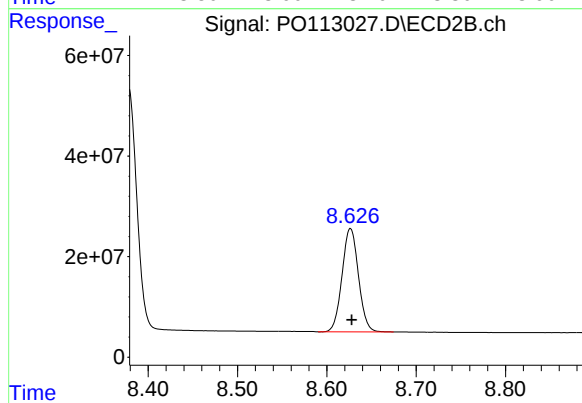
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 385780732
Conc: 75.33 ng/ml



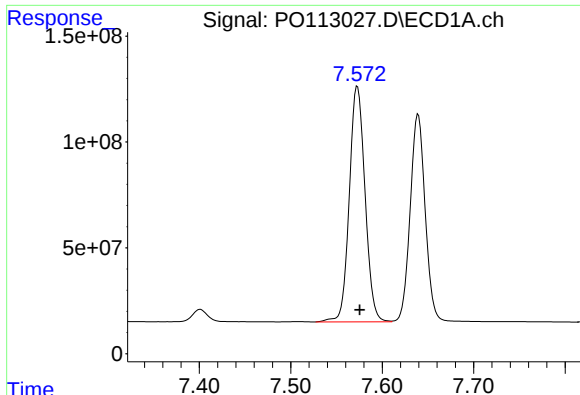
#2 Decachlorobiphenyl

R.T.: 8.679 min
Delta R.T.: -0.003 min
Response: 1024022349
Conc: 73.54 ng/ml



#2 Decachlorobiphenyl

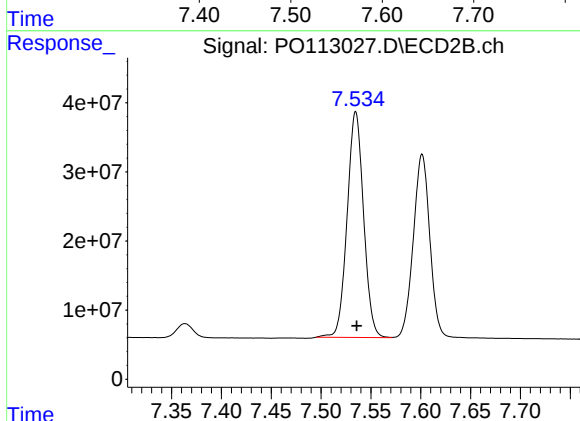
R.T.: 8.626 min
Delta R.T.: -0.002 min
Response: 262368090
Conc: 73.04 ng/ml



#41 AR-1268-1

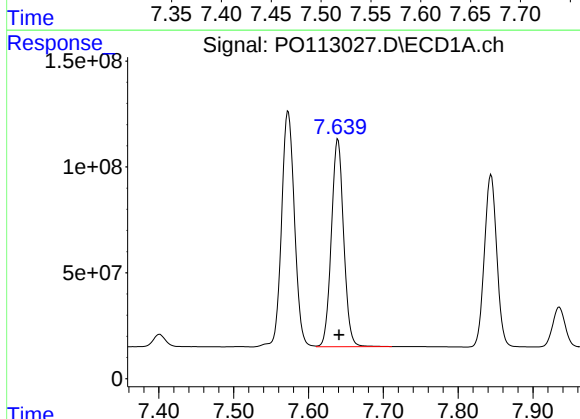
R.T.: 7.573 min
Delta R.T.: -0.003 min
Response: 1330948860
Conc: 737.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



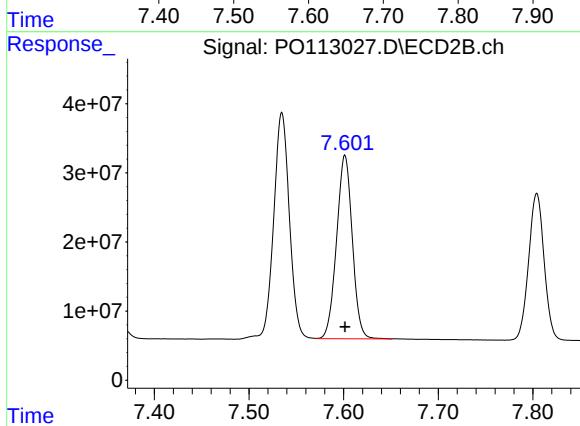
#41 AR-1268-1

R.T.: 7.535 min
Delta R.T.: -0.001 min
Response: 374954235
Conc: 708.26 ng/ml



#42 AR-1268-2

R.T.: 7.639 min
Delta R.T.: -0.002 min
Response: 1119329887
Conc: 737.78 ng/ml



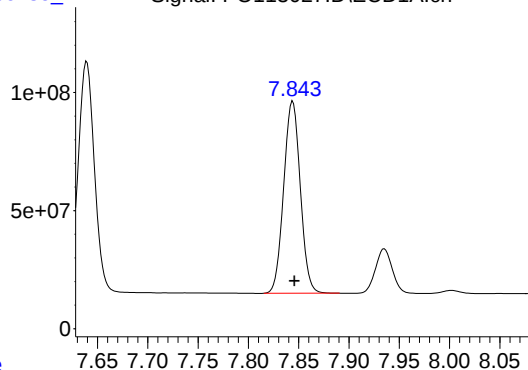
#42 AR-1268-2

R.T.: 7.601 min
Delta R.T.: 0.000 min
Response: 306461558
Conc: 709.93 ng/ml

Response_

Signal: PO113027.D\ECD1A.ch

#43 AR-1268-3



R.T.: 7.844 min
Delta R.T.: -0.002 min
Response: 933960556
Conc: 734.99 ng/ml

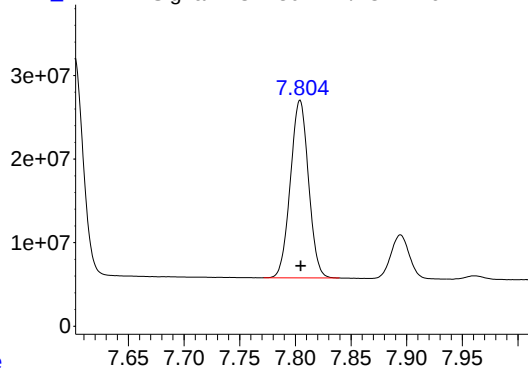
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PO113027.D\ECD2B.ch

#43 AR-1268-3



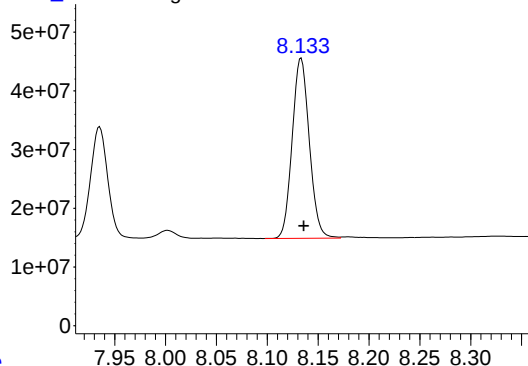
R.T.: 7.804 min
Delta R.T.: 0.000 min
Response: 240757104
Conc: 709.22 ng/ml

Time

Response_

Signal: PO113027.D\ECD1A.ch

#44 AR-1268-4



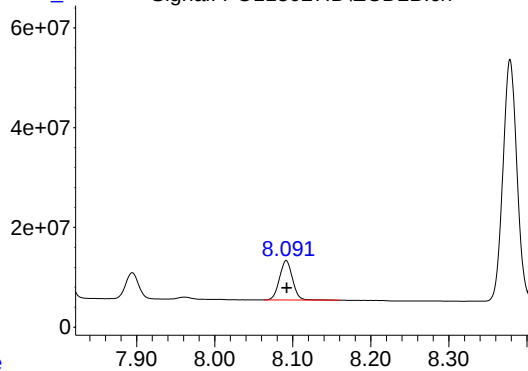
R.T.: 8.133 min
Delta R.T.: -0.002 min
Response: 359411039
Conc: 754.00 ng/ml

Time

Response_

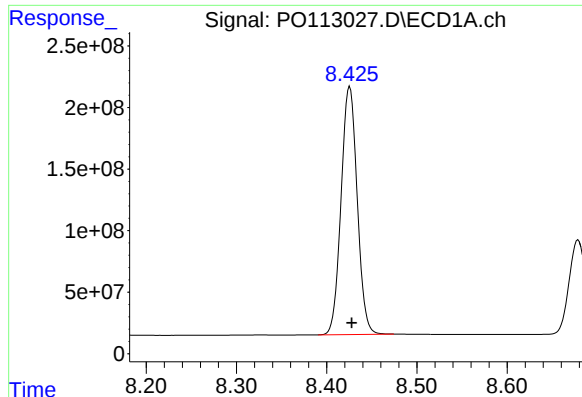
Signal: PO113027.D\ECD2B.ch

#44 AR-1268-4



R.T.: 8.092 min
Delta R.T.: 0.000 min
Response: 91683621
Conc: 744.88 ng/ml

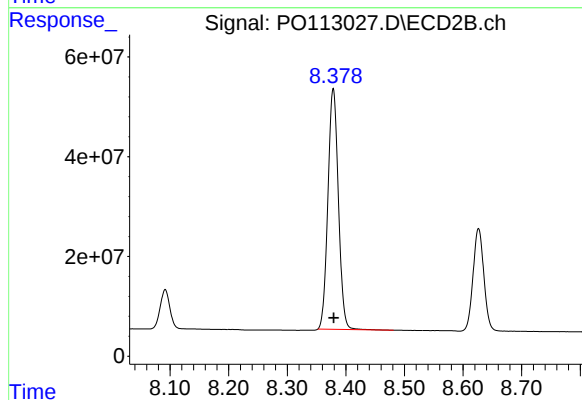
Time



#45 AR-1268-5

R.T.: 8.426 min
Delta R.T.: -0.002 min
Response: 2501040909
Conc: 746.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.378 min
Delta R.T.: 0.000 min
Response: 597557064
Conc: 735.29 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:48
 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: Aug 19 05:49:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:48:08 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...	3.663	3.655	423.9E6	256.0E6	50.000	50.000
2) SA Decachlor...	8.682	8.628	696.2E6	179.6E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.575	7.536	901.9E6	264.7E6	500.000	500.000
42) L9 AR-1268-2	7.641	7.602	758.6E6	215.8E6	500.000	500.000
43) L9 AR-1268-3	7.846	7.805	635.4E6	169.7E6	500.000	500.000
44) L9 AR-1268-4	8.136	8.092	238.3E6	61542864	500.000	500.000
45) L9 AR-1268-5	8.428	8.379	1675.8E6	406.3E6	500.000	500.000

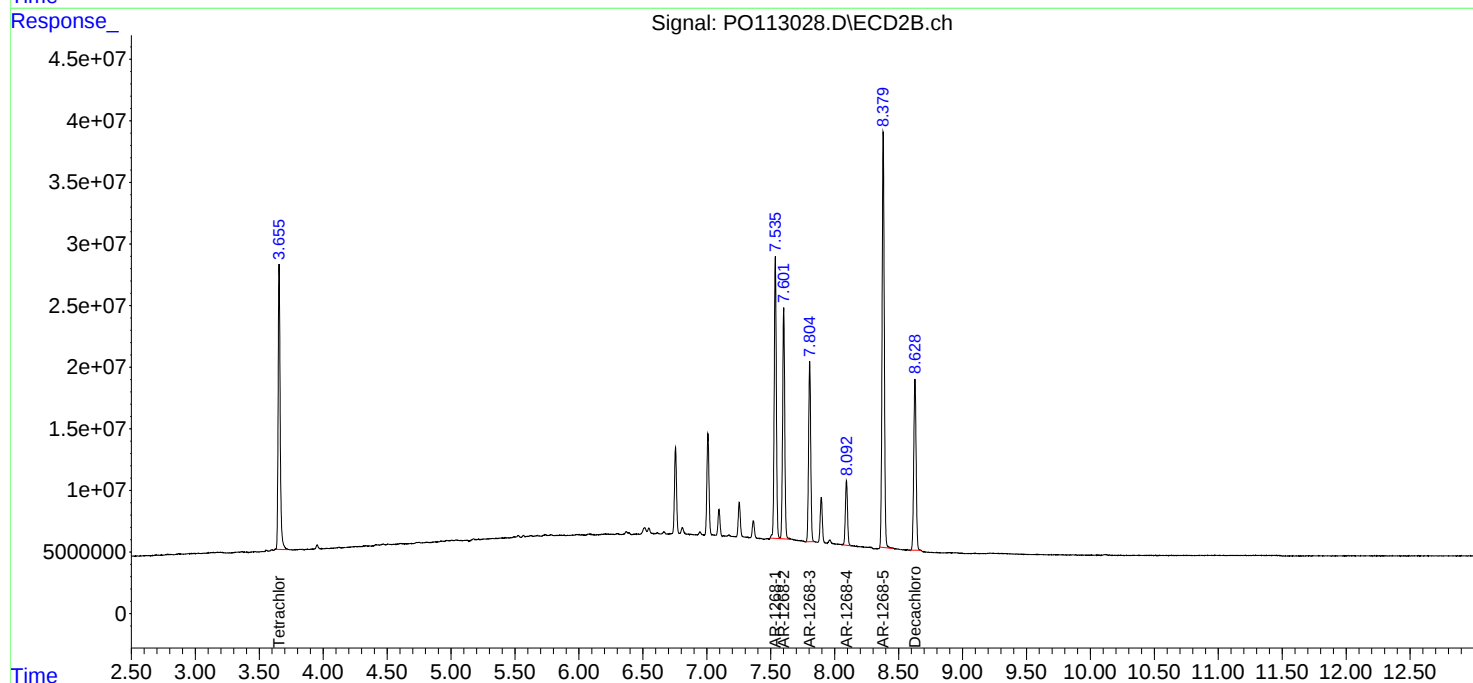
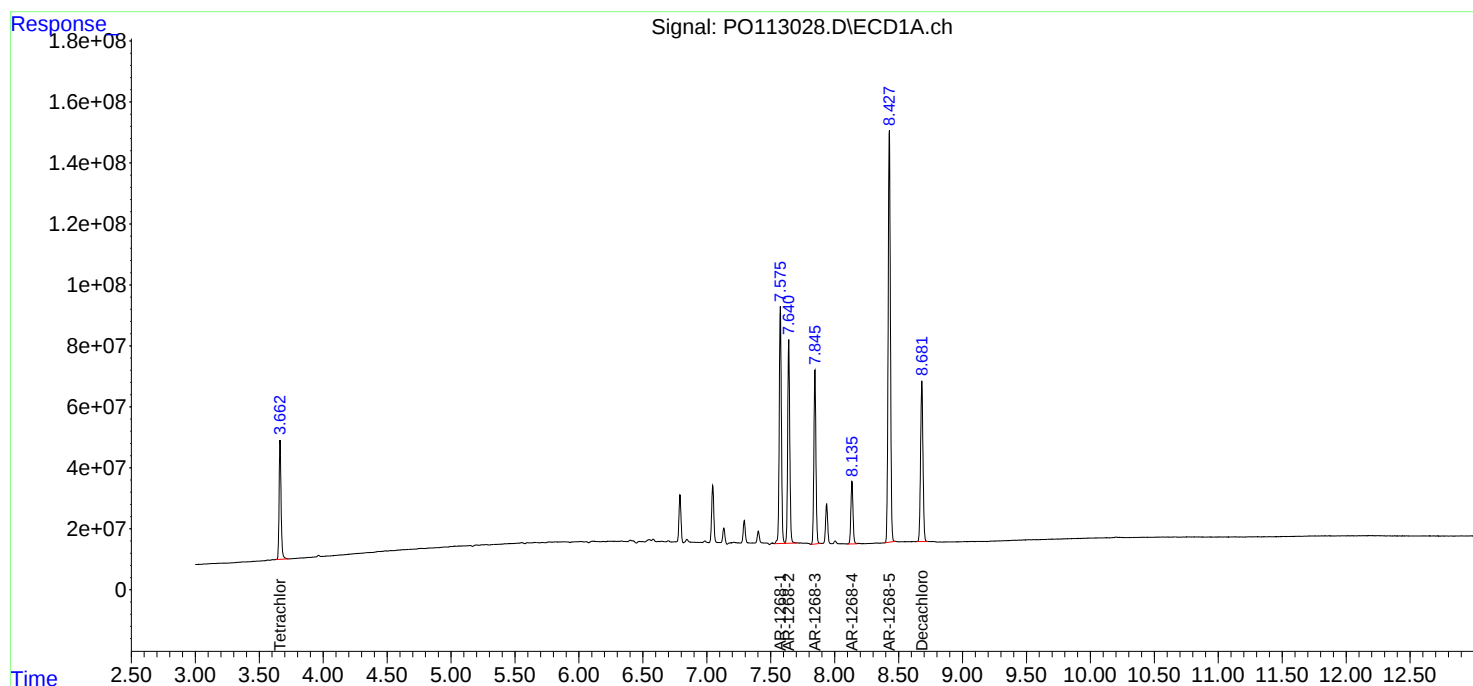
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:48
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: Aug 19 05:49:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:48:08 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



Response_

Signal: PO113028.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.663 min

Delta R.T.: 0.000 min

Response: 423873037

Conc: 50.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1268ICC500

4e+07

2e+07

0

3.662

Time

3.40 3.50 3.60 3.70 3.80 3.90

Response_

Signal: PO113028.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.655 min

Delta R.T.: 0.000 min

Response: 256046836

Conc: 50.00 ng/ml

3e+07

2e+07

1e+07

0

3.655

Time

3.50 3.60 3.70 3.80 3.90

Response_

Signal: PO113028.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 8.682 min

Delta R.T.: 0.000 min

Response: 696200294

Conc: 50.00 ng/ml

1.5e+08

1e+08

5e+07

0

8.681

Time

8.50 8.60 8.70 8.80 8.90

Response_

Signal: PO113028.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.628 min

Delta R.T.: 0.000 min

Response: 179602478

Conc: 50.00 ng/ml

4e+07

3e+07

2e+07

1e+07

0

8.628

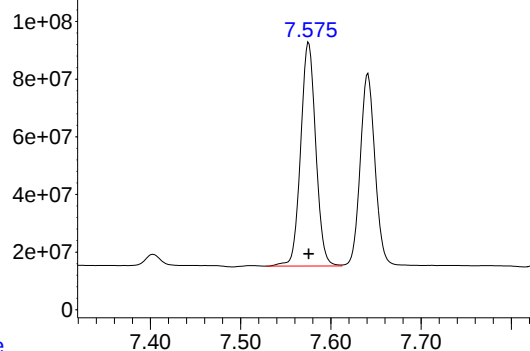
Time

8.40 8.50 8.60 8.70 8.80

Response_

Signal: PO113028.D\ECD1A.ch

#41 AR-1268-1



R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 901946472
Conc: 500.00 ng/ml

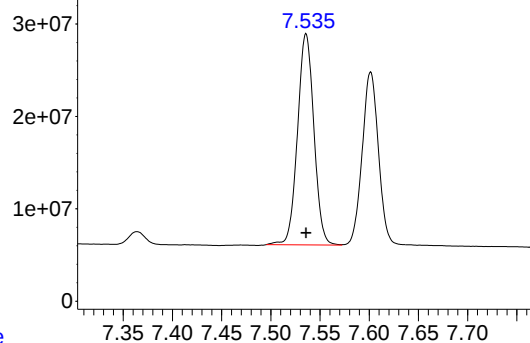
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO113028.D\ECD2B.ch

#41 AR-1268-1



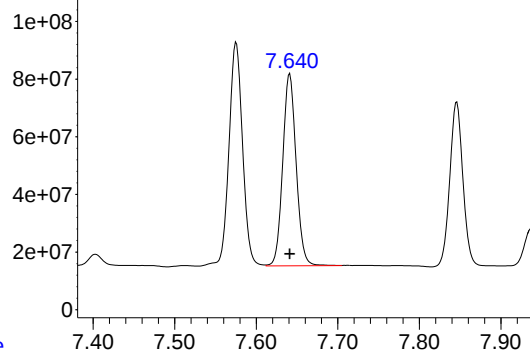
R.T.: 7.536 min
Delta R.T.: 0.000 min
Response: 264702060
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113028.D\ECD1A.ch

#42 AR-1268-2



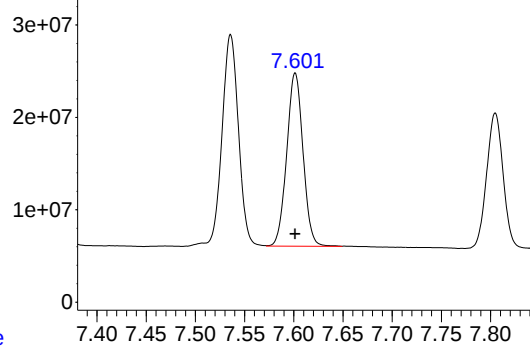
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 758580749
Conc: 500.00 ng/ml

Time

Response_

Signal: PO113028.D\ECD2B.ch

#42 AR-1268-2



R.T.: 7.602 min
Delta R.T.: 0.000 min
Response: 215839345
Conc: 500.00 ng/ml

Time

Response_ Signal: PO113028.D\ECD1A.ch

#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 635356621
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time 7.65 7.70 7.75 7.80 7.85 7.90 7.95 8.00 8.05

Response_ Signal: PO113028.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.805 min
Delta R.T.: 0.000 min
Response: 169733449
Conc: 500.00 ng/ml

Time 7.60 7.65 7.70 7.75 7.80 7.85 7.90 7.95

Response_ Signal: PO113028.D\ECD1A.ch

#44 AR-1268-4

R.T.: 8.136 min
Delta R.T.: 0.000 min
Response: 238334901
Conc: 500.00 ng/ml

Time 7.95 8.00 8.05 8.10 8.15 8.20 8.25 8.30

Response_ Signal: PO113028.D\ECD2B.ch

#44 AR-1268-4

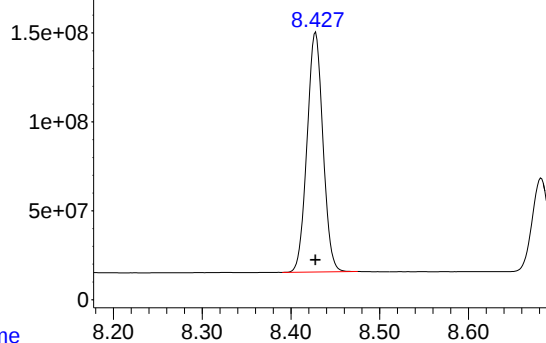
R.T.: 8.092 min
Delta R.T.: 0.000 min
Response: 61542864
Conc: 500.00 ng/ml

Time 7.95 8.00 8.05 8.10 8.15 8.20 8.25

Response_

Signal: PO113028.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 1675756494
Conc: 500.00 ng/ml

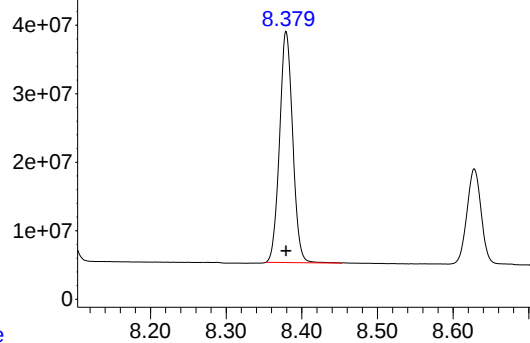
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO113028.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.379 min
Delta R.T.: 0.000 min
Response: 406339429
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:06
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:49:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:48:08 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...	3.662	3.655	218.2E6	134.2E6	25.738	26.208
2) SA Decachlor...	8.680	8.627	354.7E6	93434698	25.474	26.012
Target Compounds						
41) L9 AR-1268-1	7.575	7.535	460.2E6	137.9E6	255.114	260.436
42) L9 AR-1268-2	7.640	7.601	386.9E6	111.5E6	255.045	258.314
43) L9 AR-1268-3	7.845	7.804	322.8E6	88262994	254.068	260.005
44) L9 AR-1268-4	8.134	8.091	123.3E6	32445037	258.588	263.597
45) L9 AR-1268-5	8.427	8.378	843.4E6	208.8E6	251.661	256.901

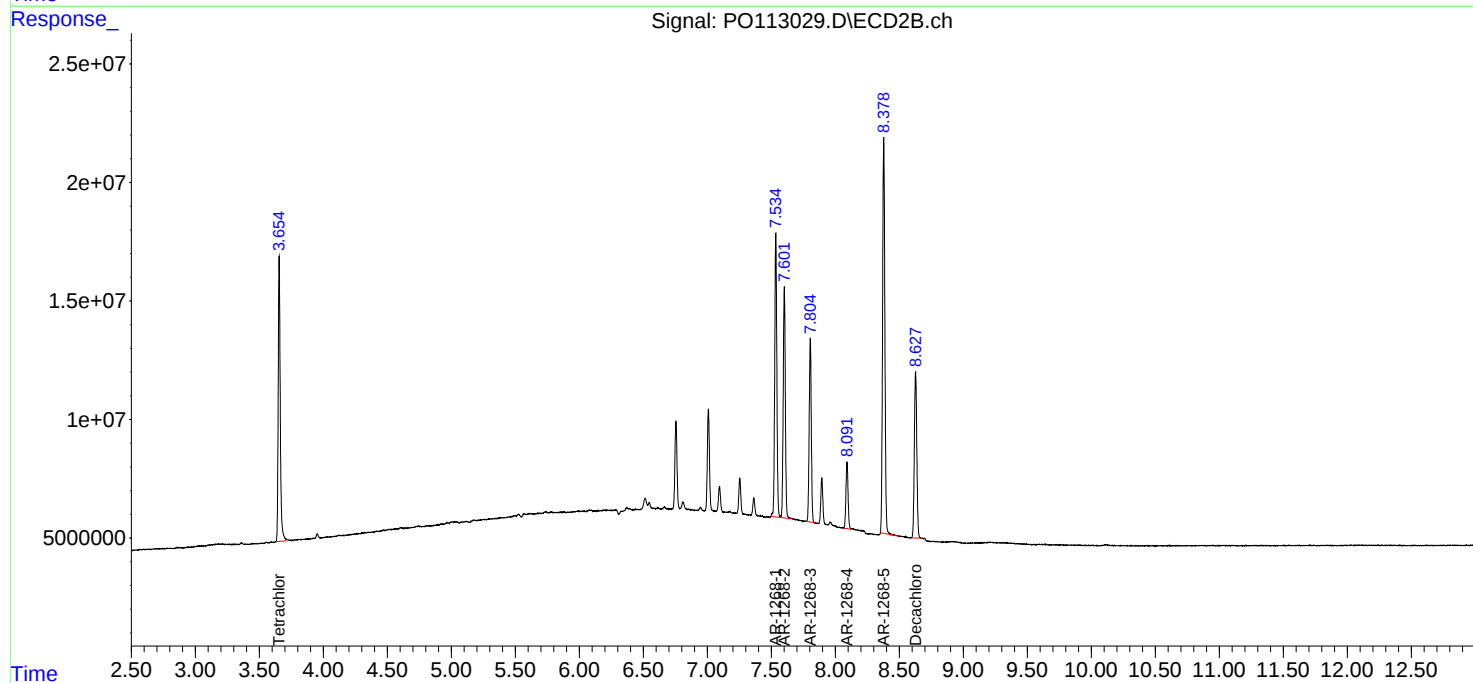
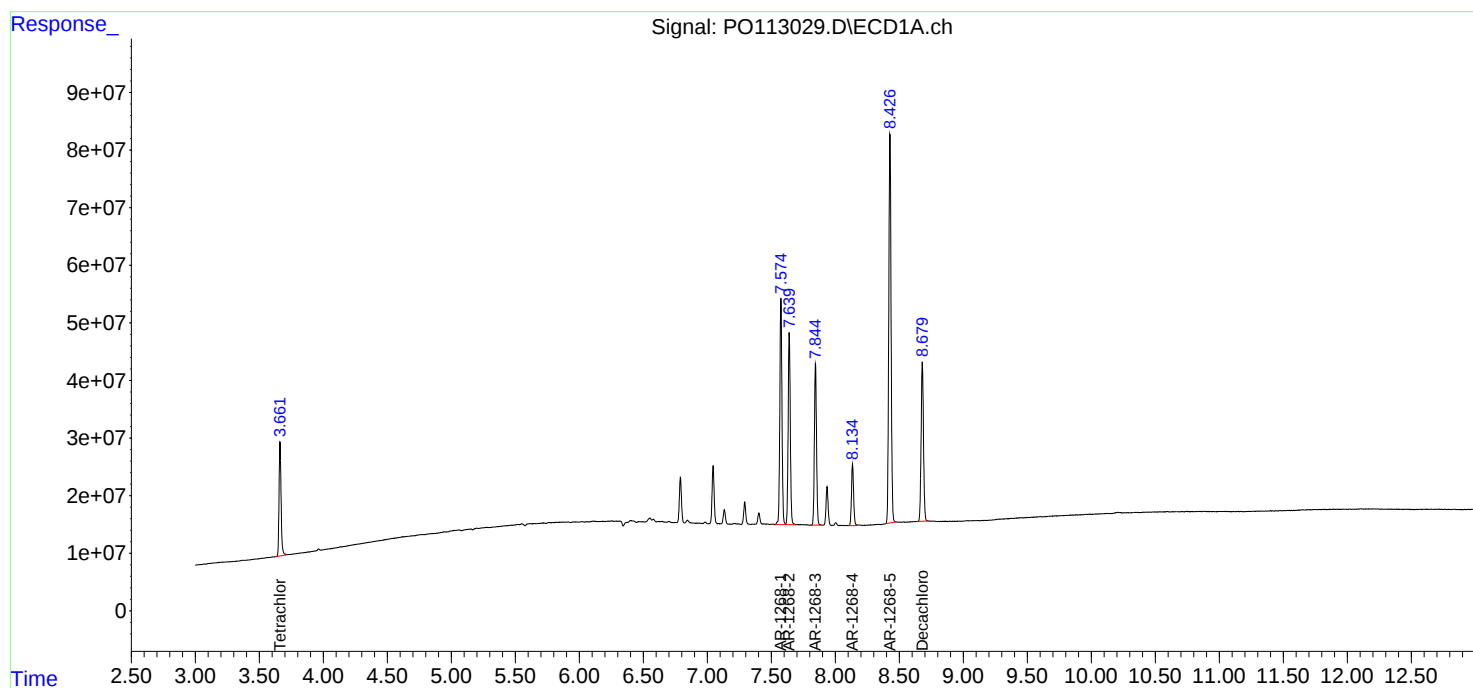
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

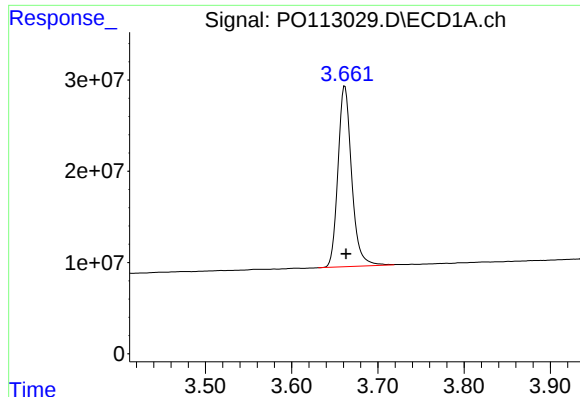
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:06
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:49:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:48:08 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

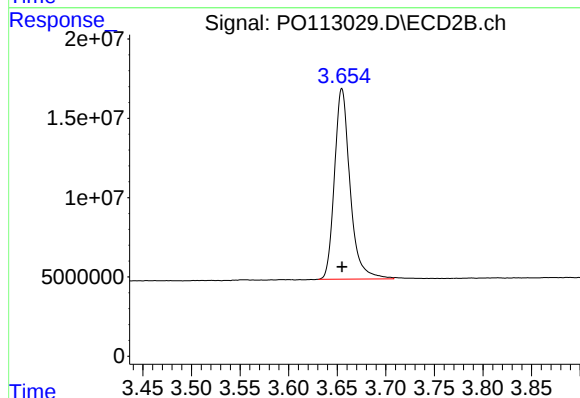




#1 Tetrachloro-m-xylene

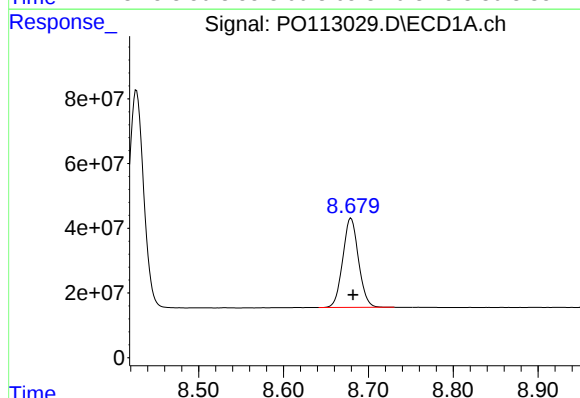
R.T.: 3.662 min
Delta R.T.: -0.001 min
Response: 218191012
Conc: 25.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



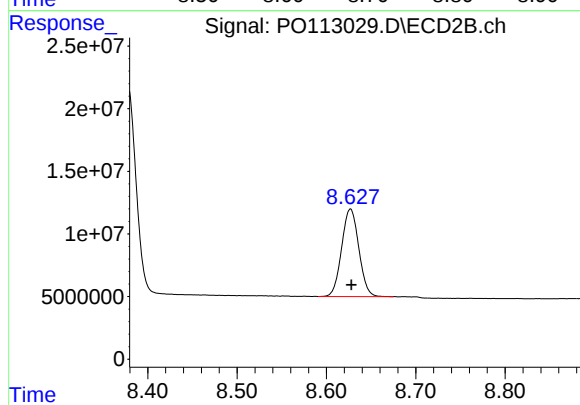
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 134209963
Conc: 26.21 ng/ml



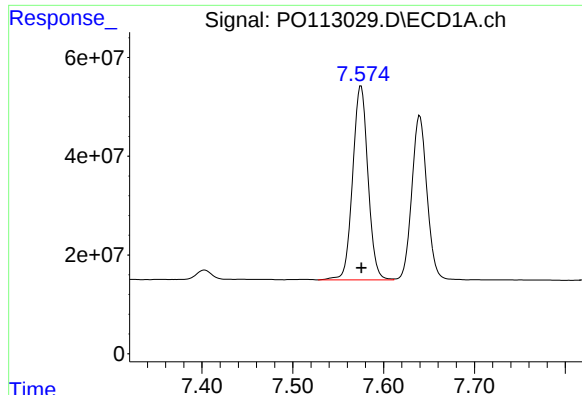
#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: -0.002 min
Response: 354705317
Conc: 25.47 ng/ml



#2 Decachlorobiphenyl

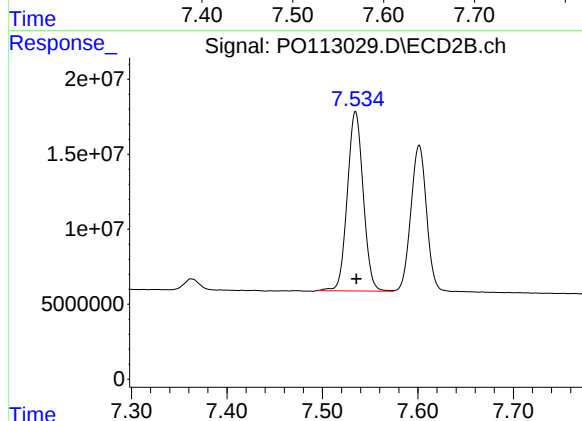
R.T.: 8.627 min
Delta R.T.: -0.001 min
Response: 93434698
Conc: 26.01 ng/ml



#41 AR-1268-1

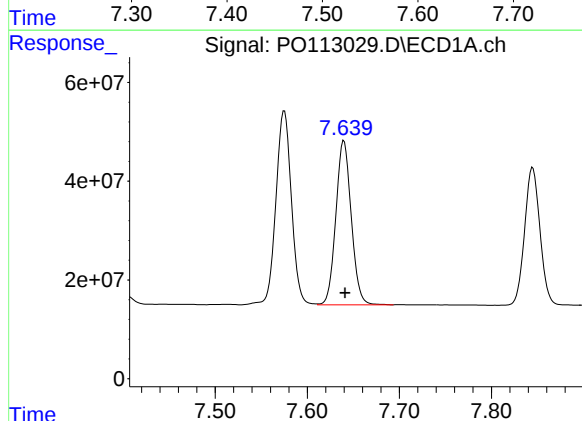
R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 460198324
Conc: 255.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



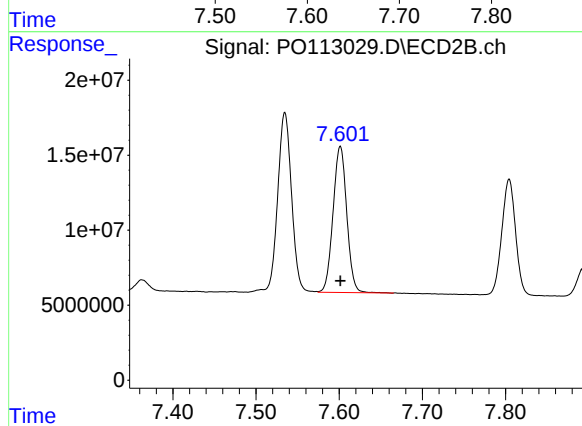
#41 AR-1268-1

R.T.: 7.535 min
Delta R.T.: -0.001 min
Response: 137875808
Conc: 260.44 ng/ml



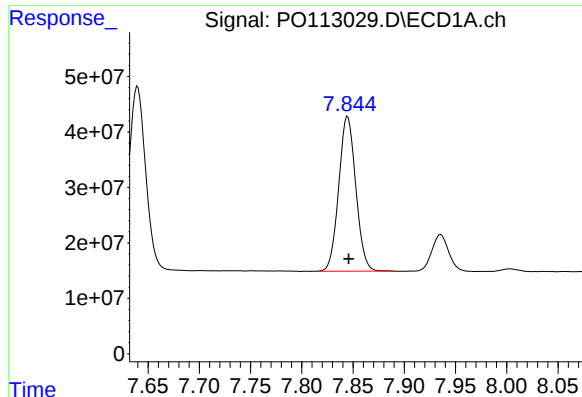
#42 AR-1268-2

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 386944809
Conc: 255.05 ng/ml



#42 AR-1268-2

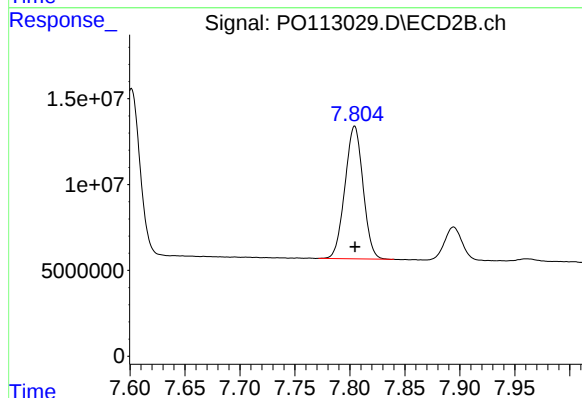
R.T.: 7.601 min
Delta R.T.: 0.000 min
Response: 111508704
Conc: 258.31 ng/ml



#43 AR-1268-3

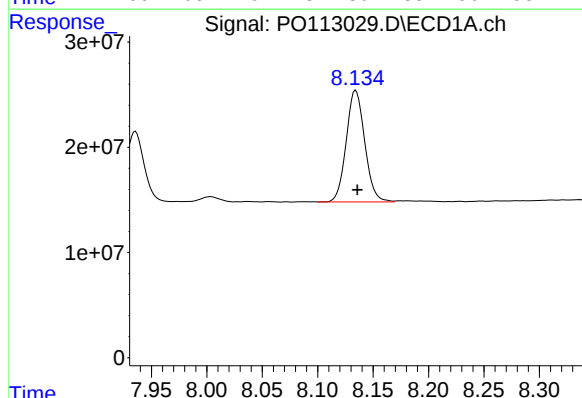
R.T.: 7.845 min
Delta R.T.: -0.001 min
Response: 322847089
Conc: 254.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



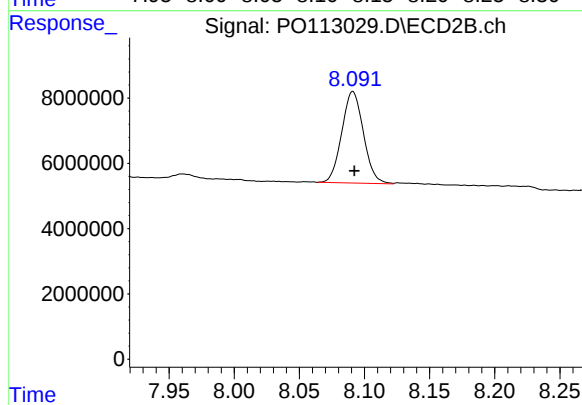
#43 AR-1268-3

R.T.: 7.804 min
Delta R.T.: 0.000 min
Response: 88262994
Conc: 260.00 ng/ml



#44 AR-1268-4

R.T.: 8.134 min
Delta R.T.: -0.001 min
Response: 123261181
Conc: 258.59 ng/ml



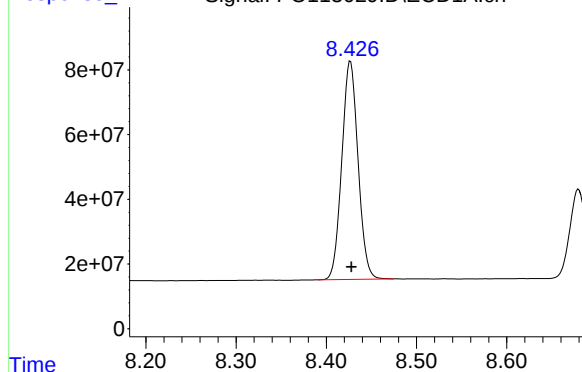
#44 AR-1268-4

R.T.: 8.091 min
Delta R.T.: -0.001 min
Response: 32445037
Conc: 263.60 ng/ml

Response_

Signal: PO113029.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.427 min
Delta R.T.: -0.001 min
Response: 843443982
Conc: 251.66 ng/ml

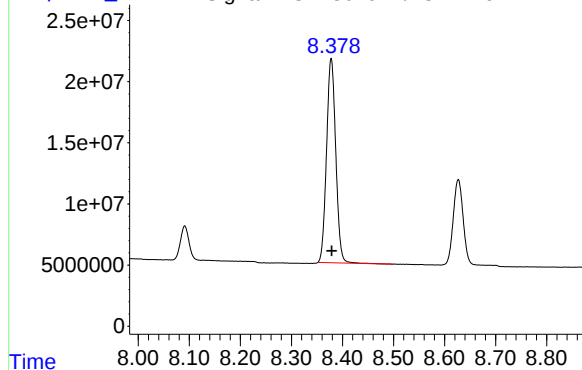
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Time

Response_

Signal: PO113029.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.378 min
Delta R.T.: -0.001 min
Response: 208777784
Conc: 256.90 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:24
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:50:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:48:08 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...	3.663	3.656	32740210	20644764	3.862	4.031
2) SA Decachlor...	8.681	8.627	55179728	14960600	3.963	4.165
Target Compounds						
41) L9 AR-1268-1	7.575	7.535	71207184	23057642	39.474	43.554
42) L9 AR-1268-2	7.641	7.600	60309550	18942723	39.752	43.882
43) L9 AR-1268-3	7.845	7.803	49529084	14865130	38.977	43.790
44) L9 AR-1268-4	8.136	8.091	18929121	5337454	39.711	43.364
45) L9 AR-1268-5	8.426	8.378	127.1E6	33329844	37.916	41.012m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:24
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

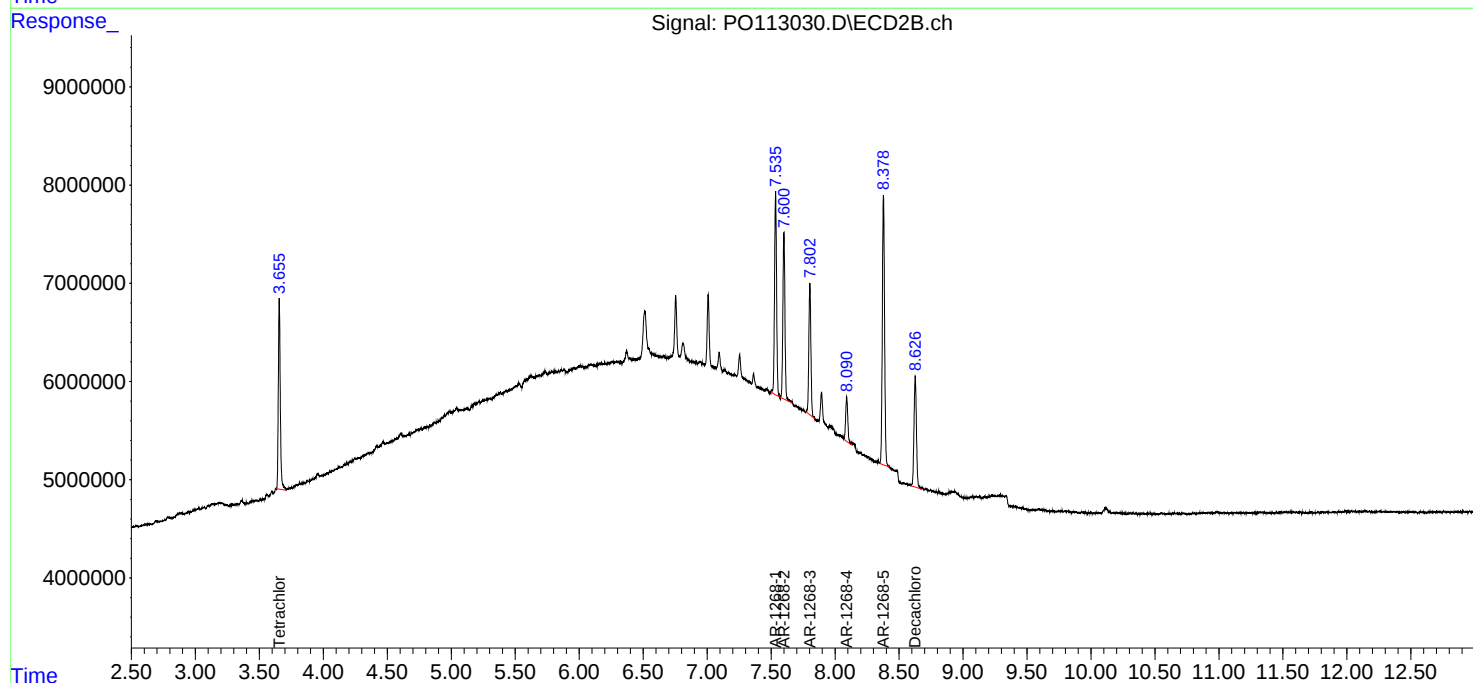
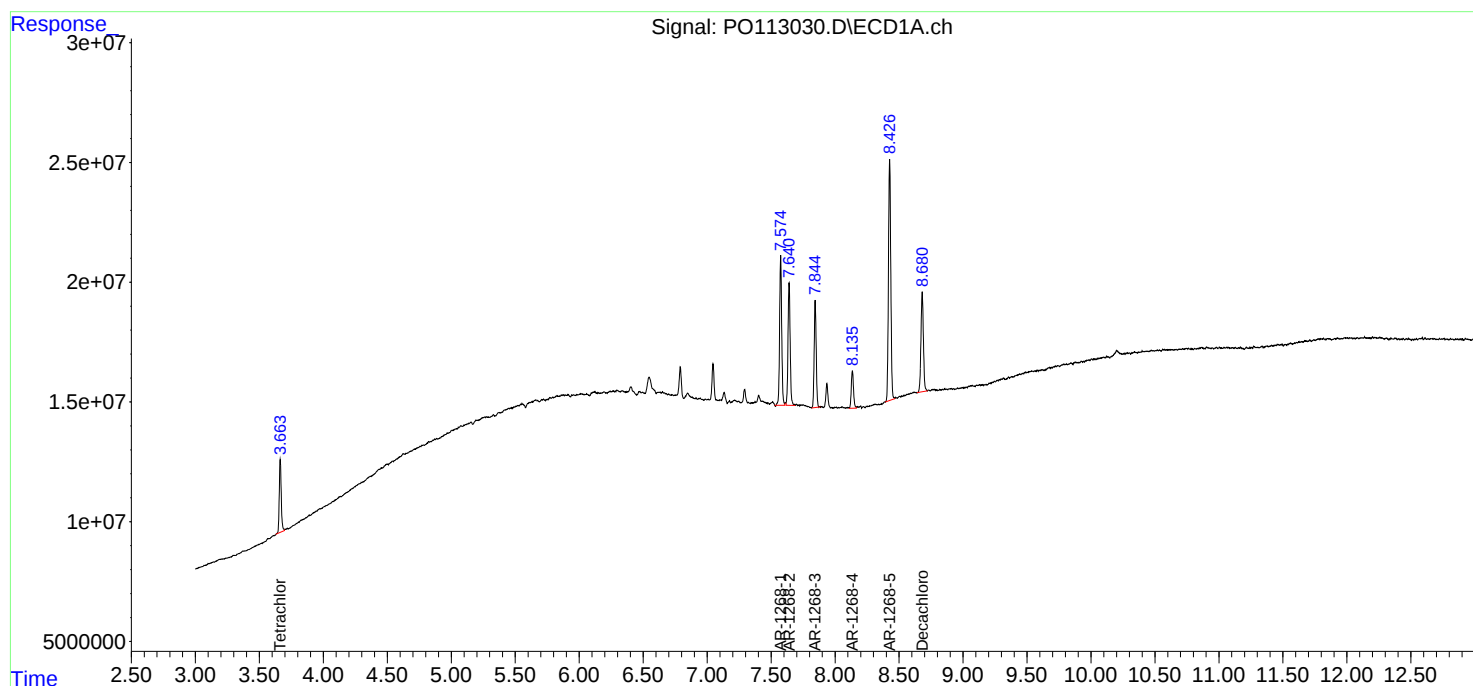
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

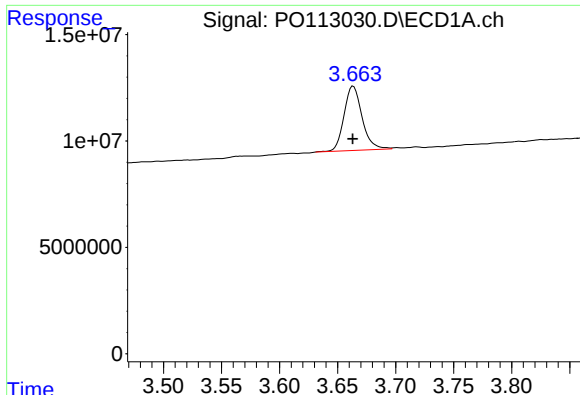
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:50:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:48:08 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





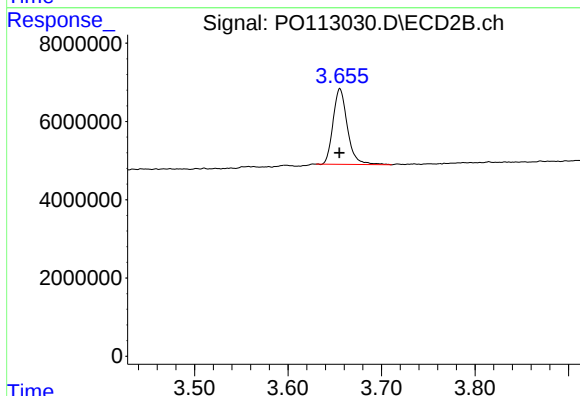
#1 Tetrachloro-m-xylene

R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 32740210
Conc: 3.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

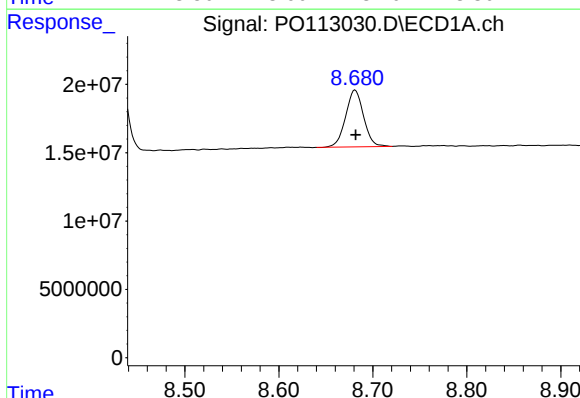
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



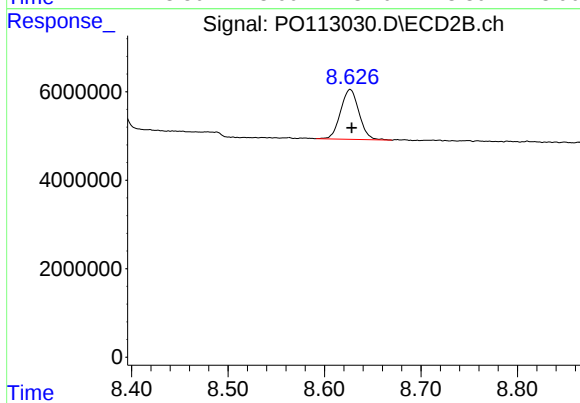
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 20644764
Conc: 4.03 ng/ml



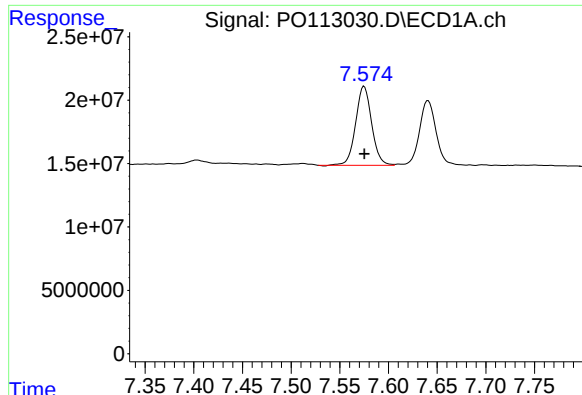
#2 Decachlorobiphenyl

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 55179728
Conc: 3.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: -0.001 min
Response: 14960600
Conc: 4.16 ng/ml



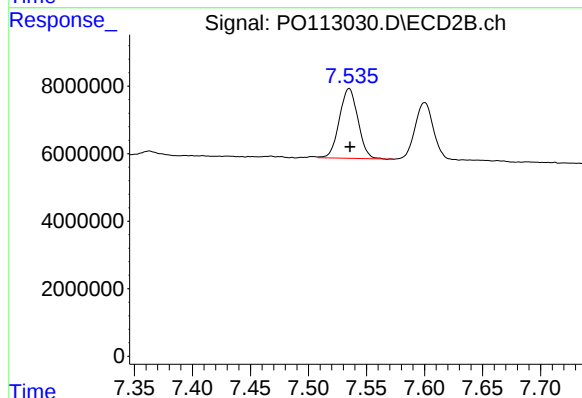
#41 AR-1268-1

R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 71207184
Conc: 39.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

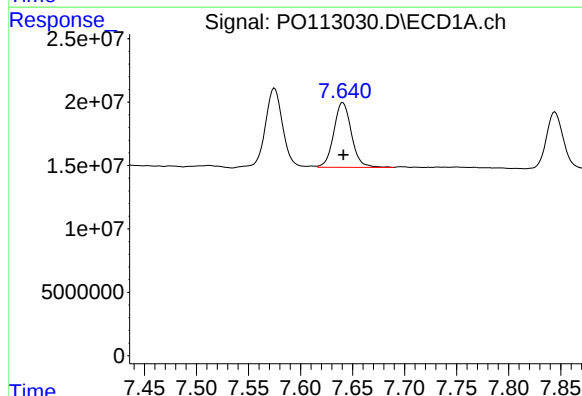
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



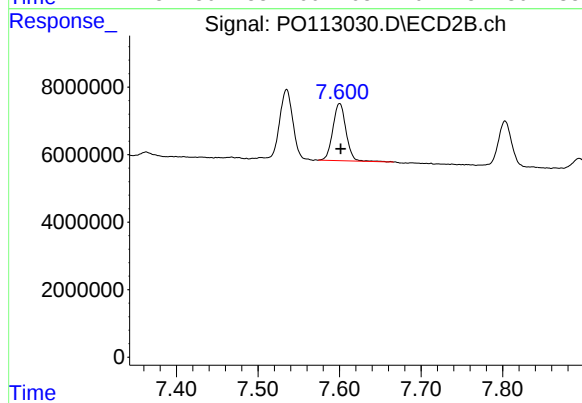
#41 AR-1268-1

R.T.: 7.535 min
Delta R.T.: 0.000 min
Response: 23057642
Conc: 43.55 ng/ml



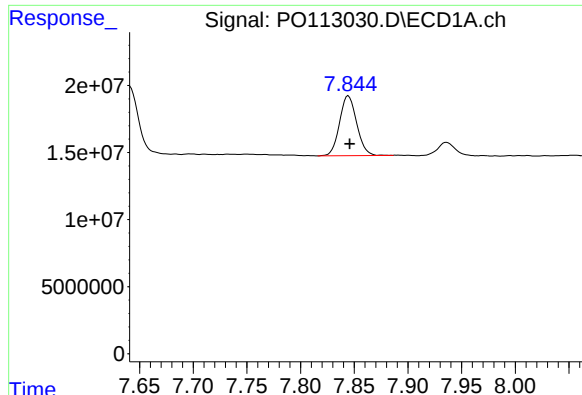
#42 AR-1268-2

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 60309550
Conc: 39.75 ng/ml



#42 AR-1268-2

R.T.: 7.600 min
Delta R.T.: -0.001 min
Response: 18942723
Conc: 43.88 ng/ml



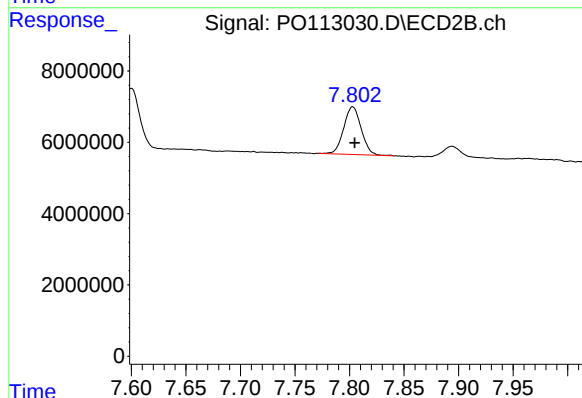
#43 AR-1268-3

R.T.: 7.845 min
Delta R.T.: -0.001 min
Response: 49529084
Conc: 38.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

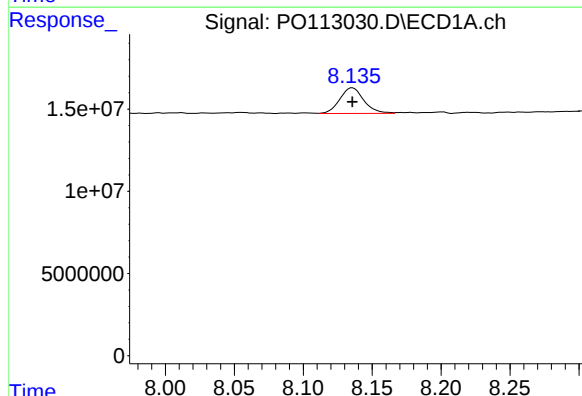
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



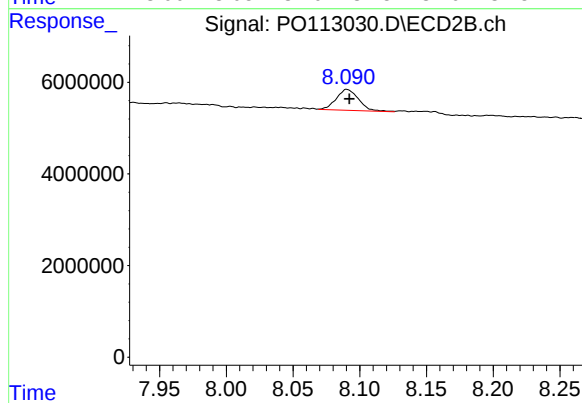
#43 AR-1268-3

R.T.: 7.803 min
Delta R.T.: -0.002 min
Response: 14865130
Conc: 43.79 ng/ml



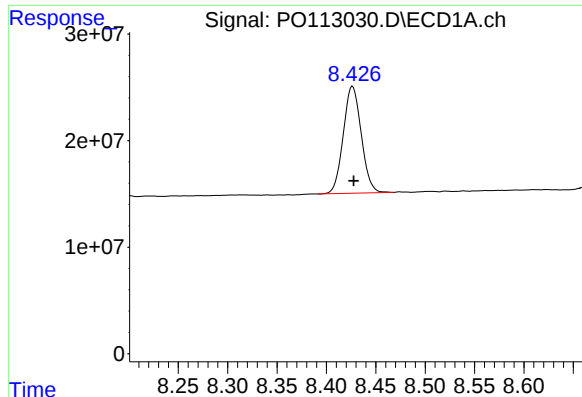
#44 AR-1268-4

R.T.: 8.136 min
Delta R.T.: 0.000 min
Response: 18929121
Conc: 39.71 ng/ml



#44 AR-1268-4

R.T.: 8.091 min
Delta R.T.: -0.002 min
Response: 5337454
Conc: 43.36 ng/ml



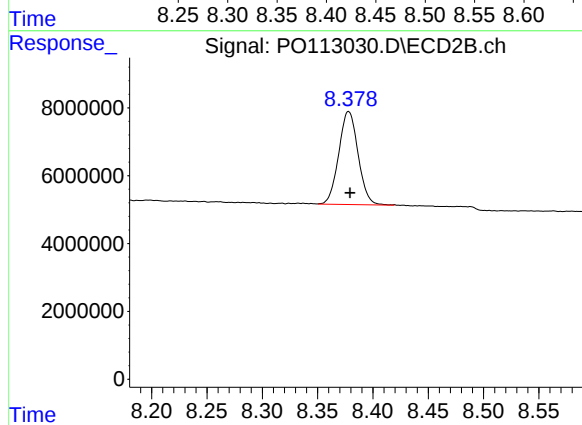
#45 AR-1268-5

R.T.: 8.426 min
Delta R.T.: -0.001 min
Response: 127075085
Conc: 37.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#45 AR-1268-5

R.T.: 8.378 min
Delta R.T.: -0.002 min
Response: 33329844
Conc: 41.01 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:43
 Operator : YP/AJ
 Sample : P0081825ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO081825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:12:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.664	3.656	421.2E6	257.1E6	51.444	50.806
2) SA Decachlor...	8.683	8.627	372.2E6	96647256	53.698	51.005
Target Compounds						
3) L1 AR-1016-1	4.749	4.730	137.6E6	85391020	515.534	500.611
4) L1 AR-1016-2	4.768	4.748	211.7E6	130.2E6	527.272	505.299
5) L1 AR-1016-3	4.824	4.923	133.0E6	68472860	521.464	490.443
6) L1 AR-1016-4	4.944	4.965	107.5E6	55300476	492.995	473.873
7) L1 AR-1016-5	5.201	5.177	118.9E6	73202918	536.621	513.597
31) L7 AR-1260-1	6.237	6.205	236.4E6	125.3E6	530.174	491.120
32) L7 AR-1260-2	6.427	6.393	354.3E6	168.6E6	515.877	487.582
33) L7 AR-1260-3	6.792	6.544	320.0E6	145.5E6	518.199	489.302
34) L7 AR-1260-4	7.051	7.013	233.4E6	99741058	521.185	481.261
35) L7 AR-1260-5	7.295	7.255	647.1E6	222.8E6	534.473	475.684

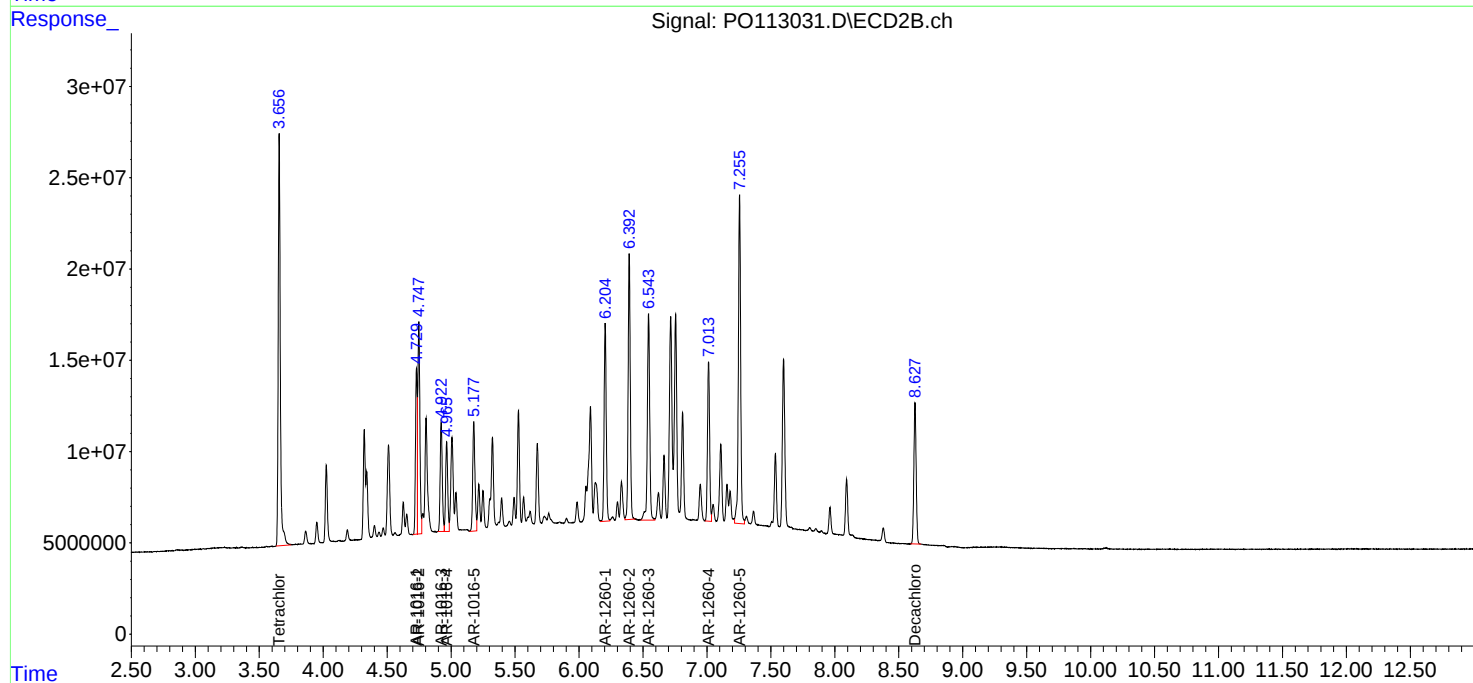
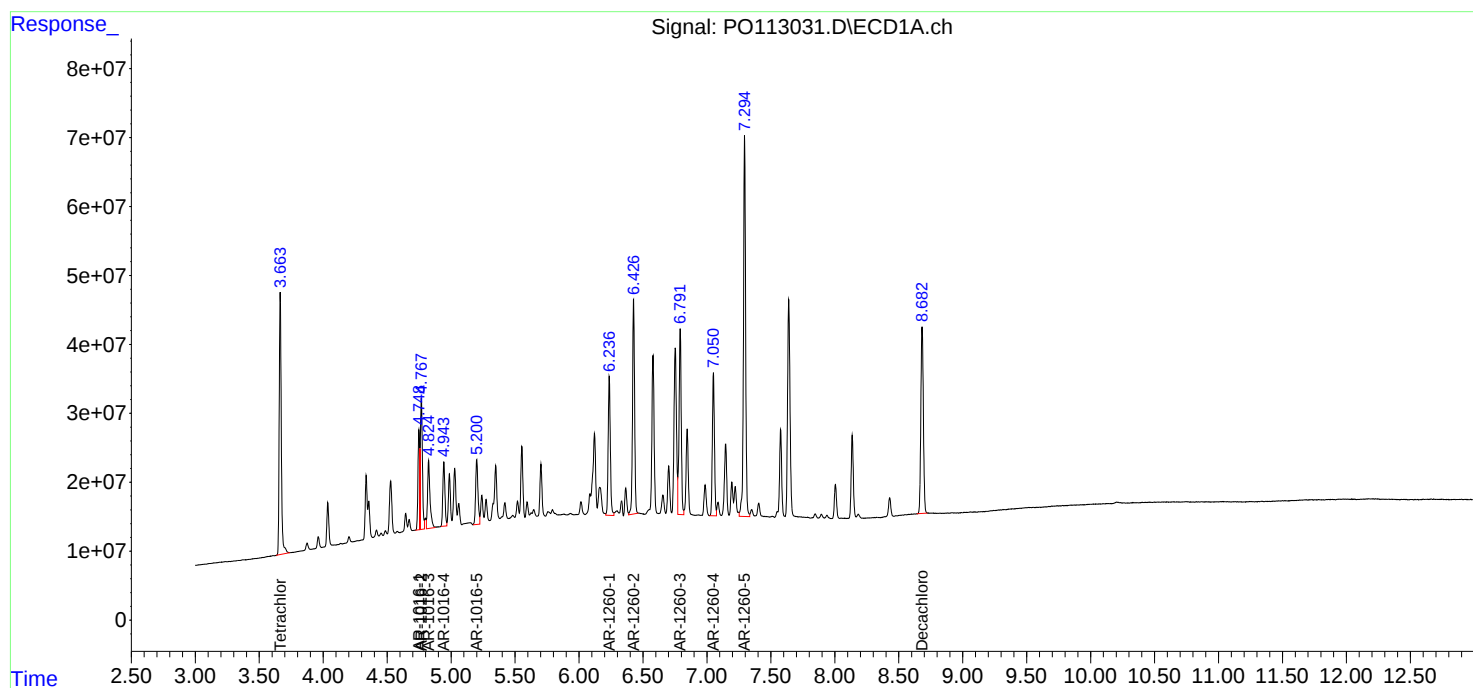
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

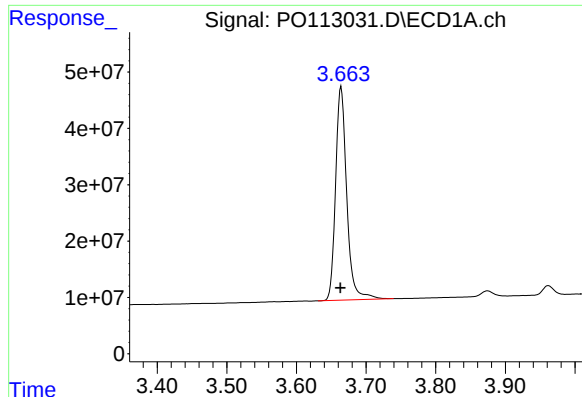
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:43
Operator : YP/AJ
Sample : PO081825ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO081825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:12:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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

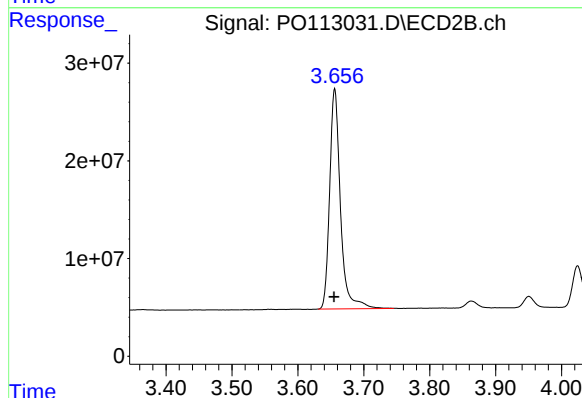




#1 Tetrachloro-m-xylene

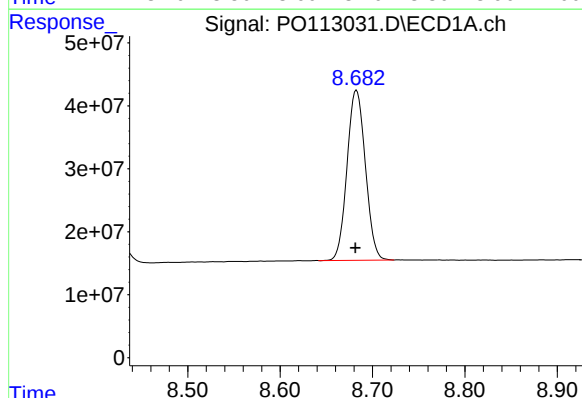
R.T.: 3.664 min
Delta R.T.: 0.001 min
Response: 421154022
Conc: 51.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825



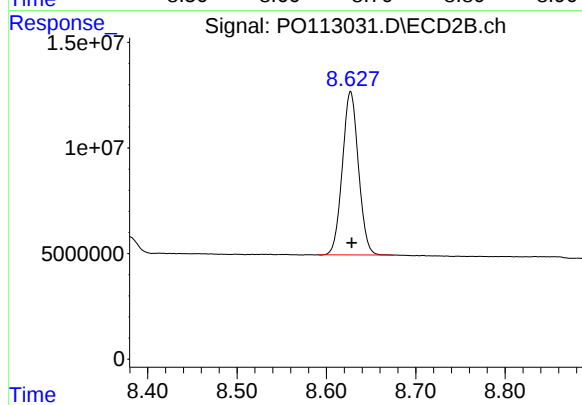
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.001 min
Response: 257112662
Conc: 50.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.683 min
Delta R.T.: 0.001 min
Response: 372207788
Conc: 53.70 ng/ml



#2 Decachlorobiphenyl

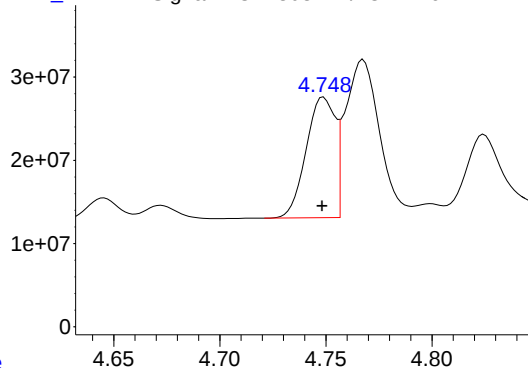
R.T.: 8.627 min
Delta R.T.: -0.001 min
Response: 96647256
Conc: 51.01 ng/ml

Response_

Signal: PO113031.D\ECD1A.ch

#3 AR-1016-1

ICAL Form



R.T.: 4.749 min
Delta R.T.: 0.000 min
Response: 137639689
Conc: 515.53 ng/ml

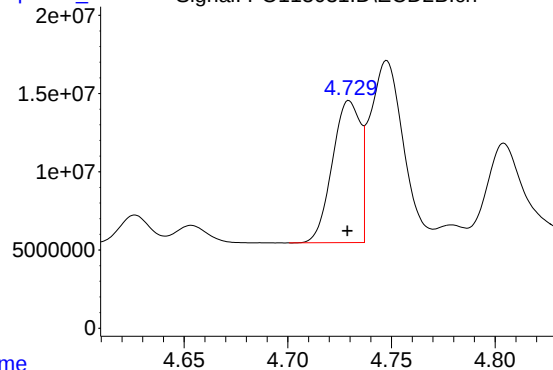
Instrument :
ECD_O
ClientSampleId :
ICVPO081825

Time

Response_

Signal: PO113031.D\ECD2B.ch

#3 AR-1016-1



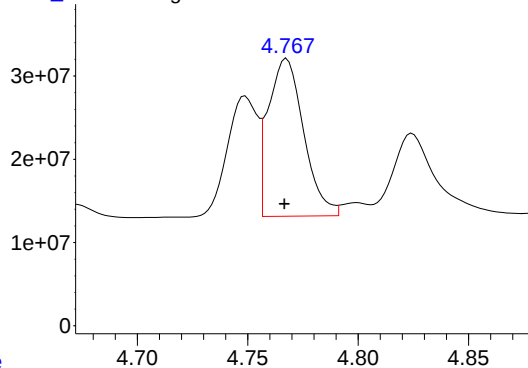
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 85391020
Conc: 500.61 ng/ml

Time

Response_

Signal: PO113031.D\ECD1A.ch

#4 AR-1016-2



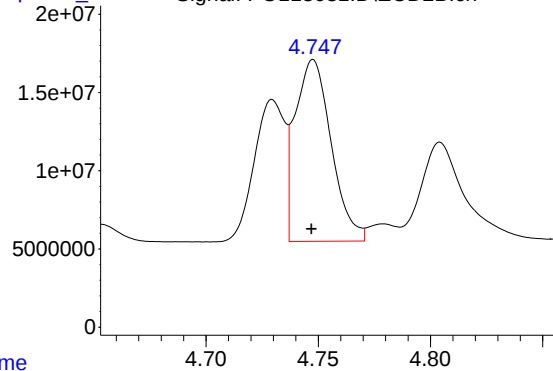
R.T.: 4.768 min
Delta R.T.: 0.001 min
Response: 211663540
Conc: 527.27 ng/ml

Time

Response_

Signal: PO113031.D\ECD2B.ch

#4 AR-1016-2



R.T.: 4.748 min
Delta R.T.: 0.000 min
Response: 130193385
Conc: 505.30 ng/ml

Time

Response_

Signal: PO113031.D\ECD1A.ch

#5 AR-1016-3

R.T.: 4.824 min

Delta R.T.: 0.001 min

Response: 132985108

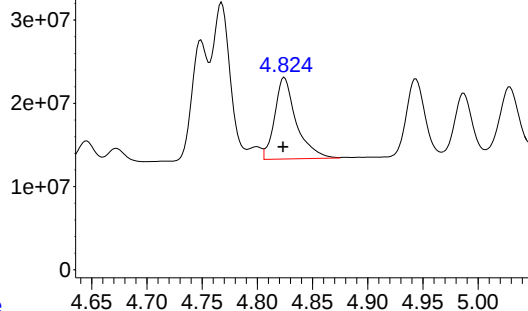
Conc: 521.46 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO081825



Time

Response_

Signal: PO113031.D\ECD2B.ch

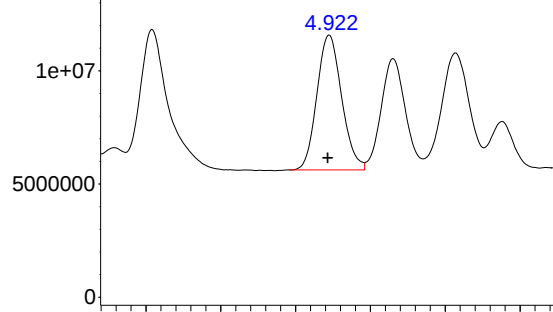
#5 AR-1016-3

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 68472860

Conc: 490.44 ng/ml



Time

Response_

Signal: PO113031.D\ECD1A.ch

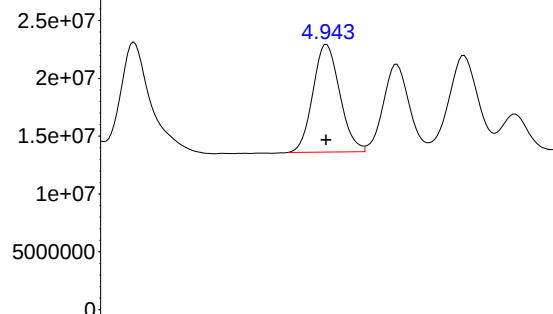
#6 AR-1016-4

R.T.: 4.944 min

Delta R.T.: 0.000 min

Response: 107506485

Conc: 493.00 ng/ml



Time

Response_

Signal: PO113031.D\ECD2B.ch

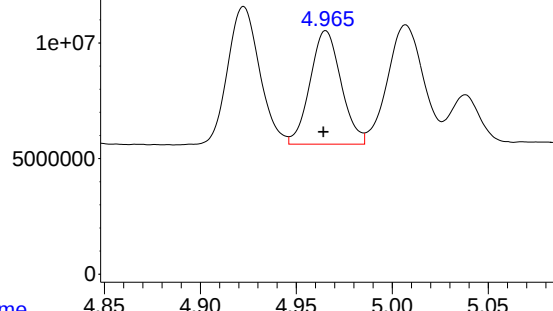
#6 AR-1016-4

R.T.: 4.965 min

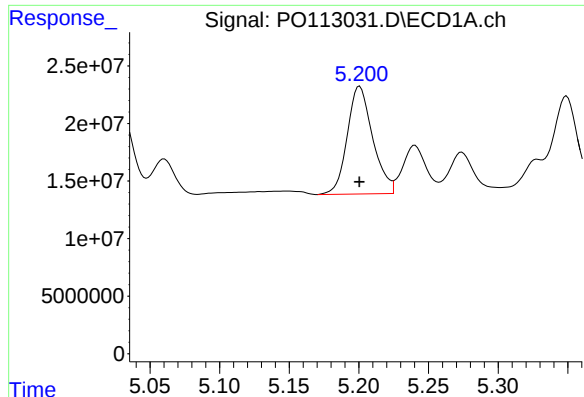
Delta R.T.: 0.001 min

Response: 55300476

Conc: 473.87 ng/ml



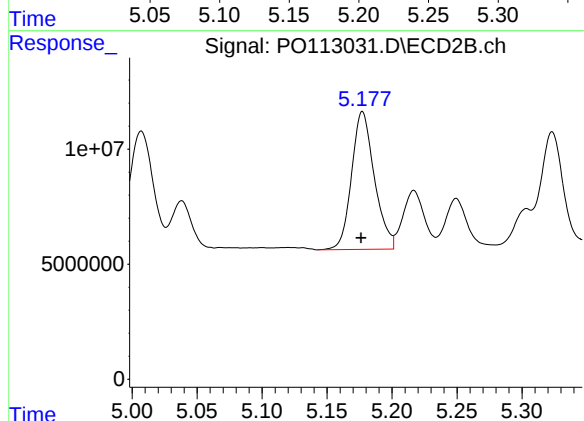
Time



#7 AR-1016-5

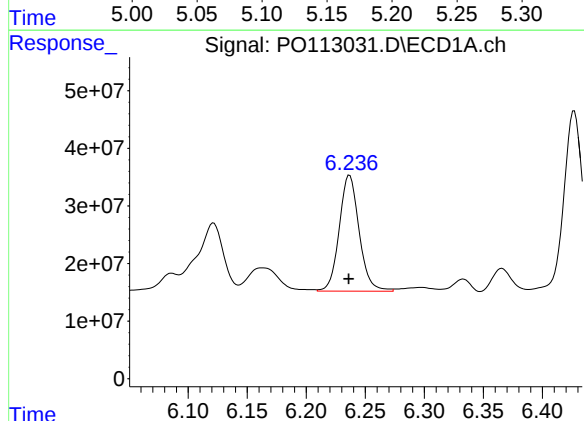
R.T.: 5.201 min
Delta R.T.: 0.000 min
Response: 118930266
Conc: 536.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825



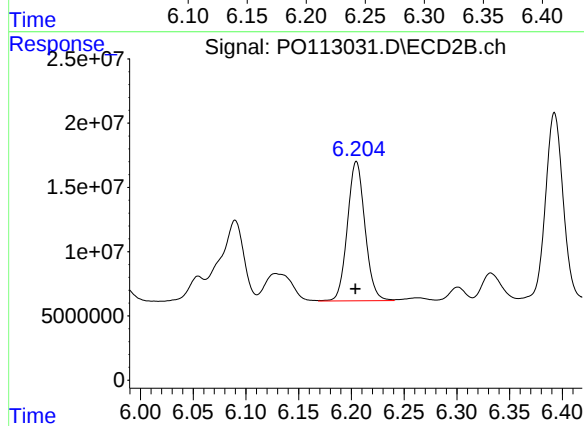
#7 AR-1016-5

R.T.: 5.177 min
Delta R.T.: 0.001 min
Response: 73202918
Conc: 513.60 ng/ml



#31 AR-1260-1

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 236447246
Conc: 530.17 ng/ml



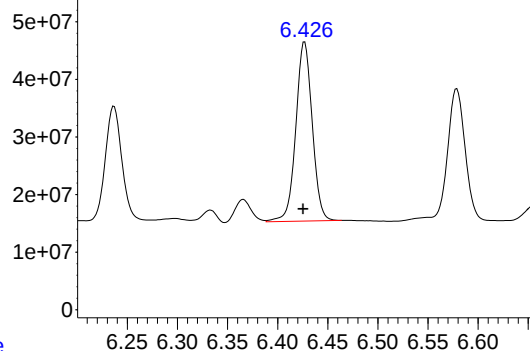
#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 125269399
Conc: 491.12 ng/ml

Response_

Signal: PO113031.D\ECD1A.ch

#32 AR-1260-2



R.T.: 6.427 min
Delta R.T.: 0.001 min
Response: 354263821
Conc: 515.88 ng/ml

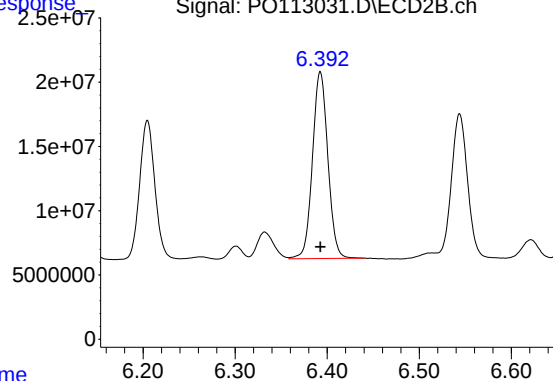
Instrument :
ECD_O
ClientSampleId :
ICVPO081825

Time

Response

Signal: PO113031.D\ECD2B.ch

#32 AR-1260-2



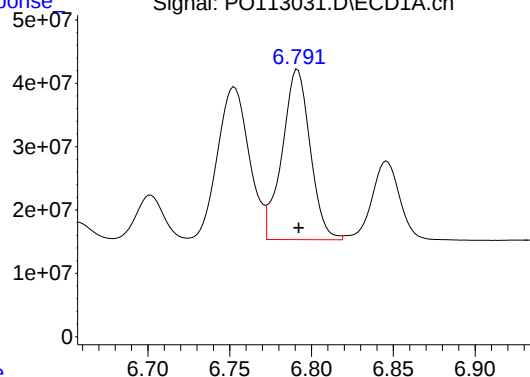
R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 168563000
Conc: 487.58 ng/ml

Time

Response

Signal: PO113031.D\ECD1A.ch

#33 AR-1260-3



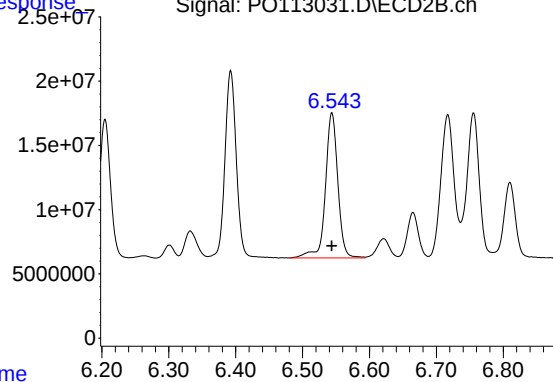
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 319974358
Conc: 518.20 ng/ml

Time

Response

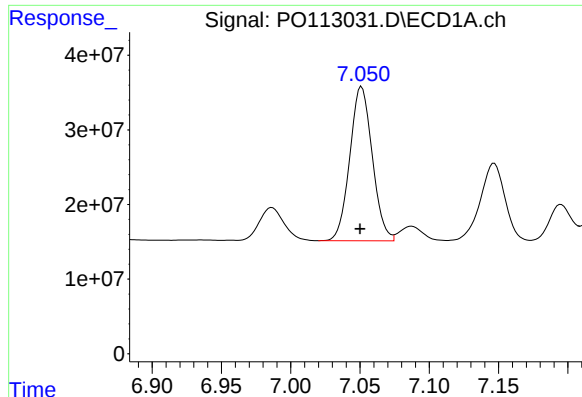
Signal: PO113031.D\ECD2B.ch

#33 AR-1260-3



R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 145534823
Conc: 489.30 ng/ml

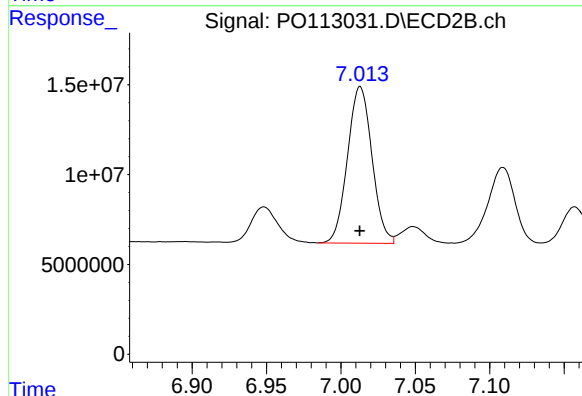
Time



#34 AR-1260-4

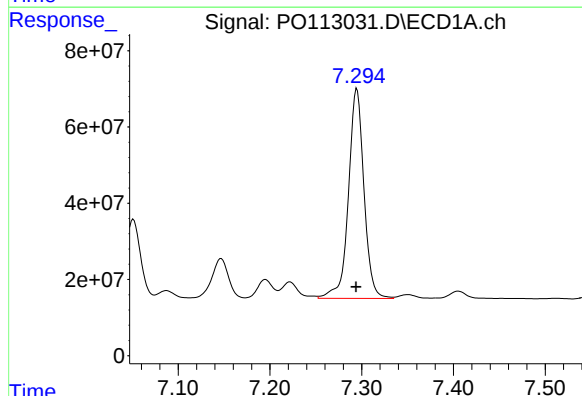
R.T.: 7.051 min
Delta R.T.: 0.001 min
Response: 233425397
Conc: 521.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825



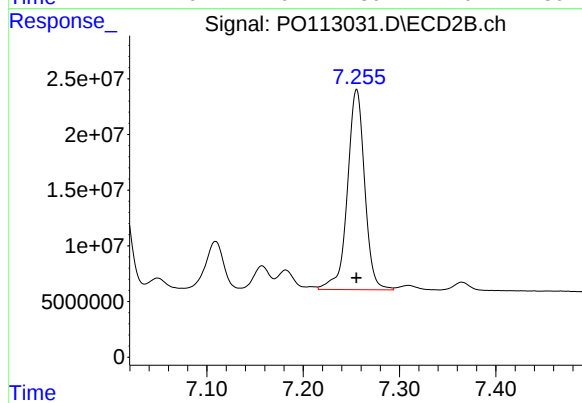
#34 AR-1260-4

R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 99741058
Conc: 481.26 ng/ml



#35 AR-1260-5

R.T.: 7.295 min
Delta R.T.: 0.000 min
Response: 647078447
Conc: 534.47 ng/ml



#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: 0.000 min
Response: 222824365
Conc: 475.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 19:37
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO081825AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:20:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.664	3.656	429.6E6	262.9E6	52.476	51.959
2) SA Decachlor...	8.682	8.627	379.6E6	100.8E6	54.772	53.212
Target Compounds						
16) L4 AR-1242-1	4.750	4.730	118.2E6	75544744	513.948	522.785
17) L4 AR-1242-2	4.767	4.748	180.5E6	112.1E6	525.410	516.997
18) L4 AR-1242-3	4.825	4.923	114.2E6	58830110	514.501	502.975
19) L4 AR-1242-4	4.944	5.008	91221670	57727565	525.886	490.725
20) L4 AR-1242-5	5.594	5.526	103.3E6	75933701	515.841	509.168

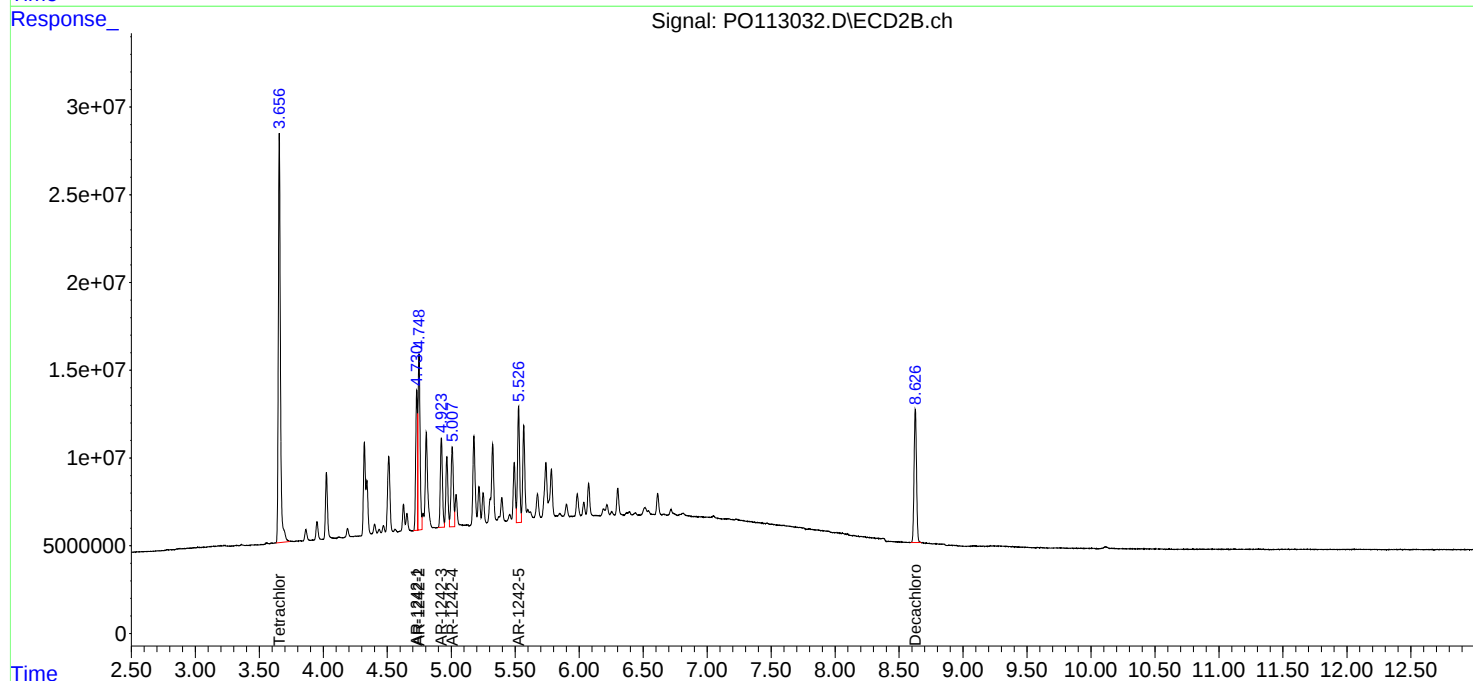
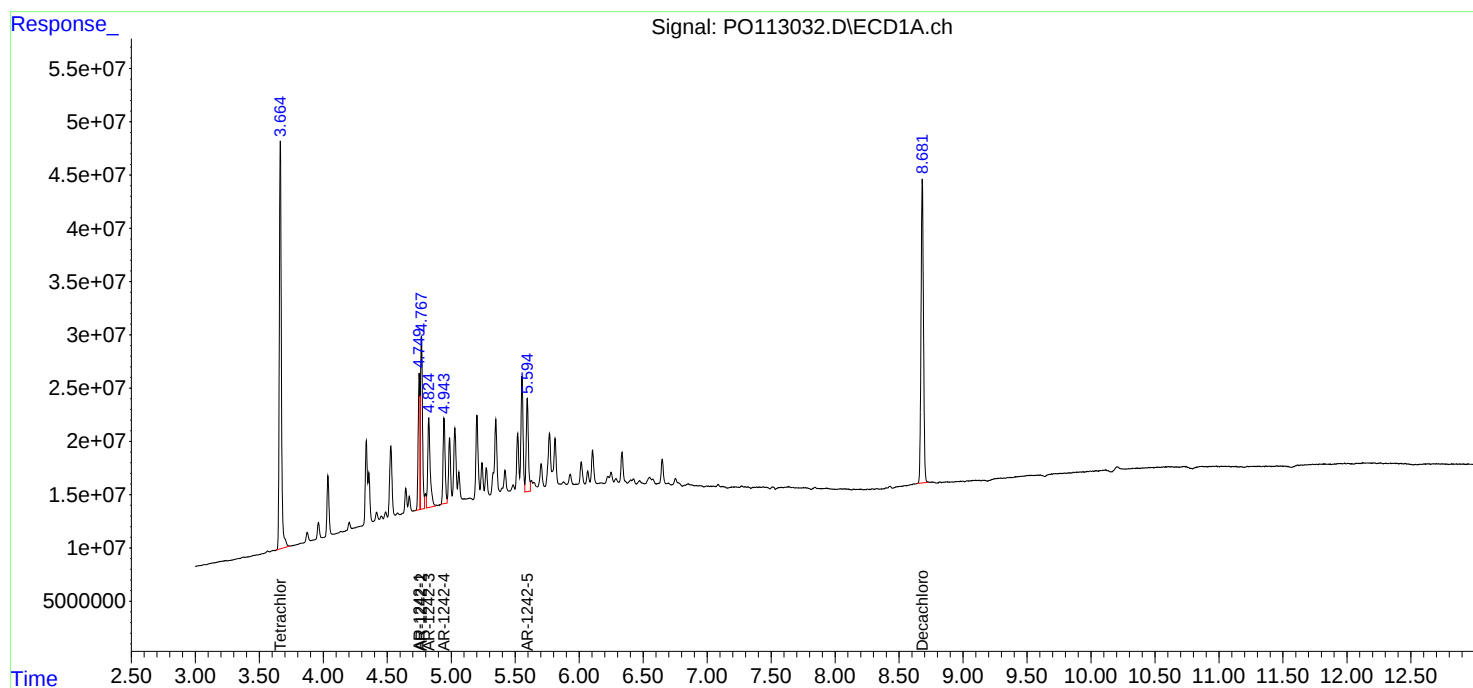
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 19:37
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:20:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 2025
Response via : Initial Calibration
Integrator: ChemStation

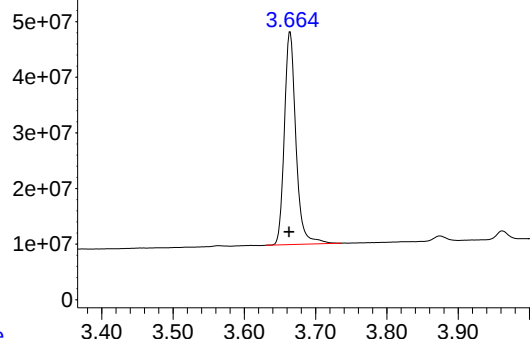
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PO113032.D\ECD1A.ch

#1 Tetrachloro-m-xylene



R.T.: 3.664 min
Delta R.T.: 0.001 min
Response: 429595535
Conc: 52.48 ng/ml

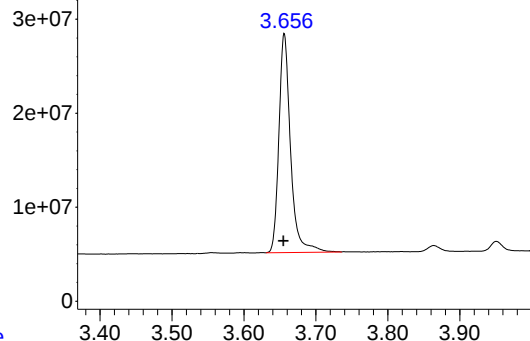
Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1242

Time

Response_

Signal: PO113032.D\ECD2B.ch

#1 Tetrachloro-m-xylene



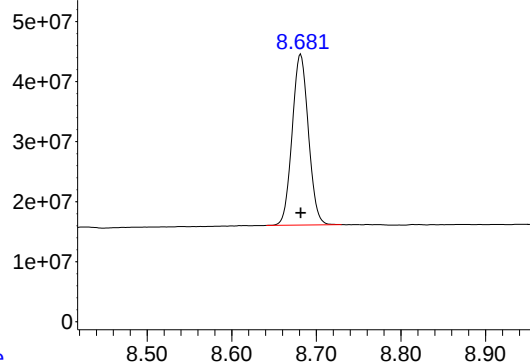
R.T.: 3.656 min
Delta R.T.: 0.001 min
Response: 262944810
Conc: 51.96 ng/ml

Time

Response_

Signal: PO113032.D\ECD1A.ch

#2 Decachlorobiphenyl



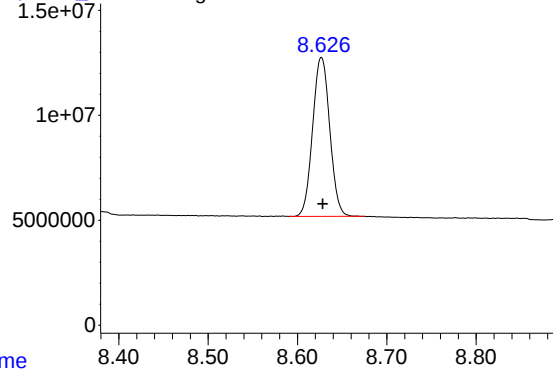
R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 379648194
Conc: 54.77 ng/ml

Time

Response_

Signal: PO113032.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.627 min
Delta R.T.: -0.002 min
Response: 100827827
Conc: 53.21 ng/ml

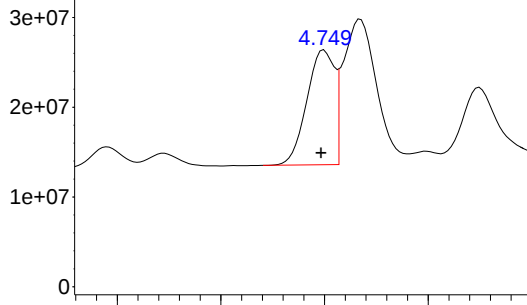
Time

Response_

Signal: PO113032.D\ECD1A.ch

#16 AR-1242-1

ICAL Form



R.T.: 4.750 min
Delta R.T.: 0.001 min
Response: 118173090
Conc: 513.95 ng/ml

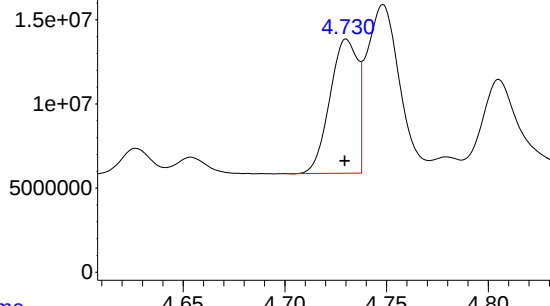
Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1242

Time

Response_

Signal: PO113032.D\ECD2B.ch

#16 AR-1242-1



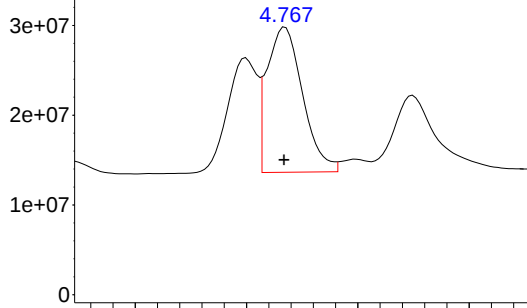
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 75544744
Conc: 522.79 ng/ml

Time

Response_

Signal: PO113032.D\ECD1A.ch

#17 AR-1242-2



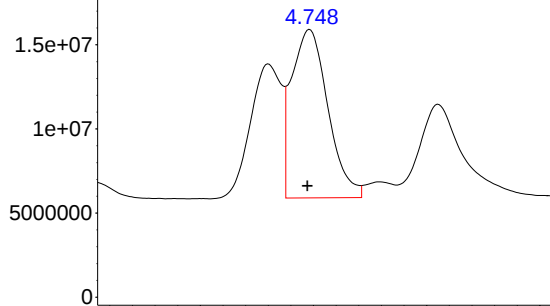
R.T.: 4.767 min
Delta R.T.: 0.000 min
Response: 180544145
Conc: 525.41 ng/ml

Time

Response_

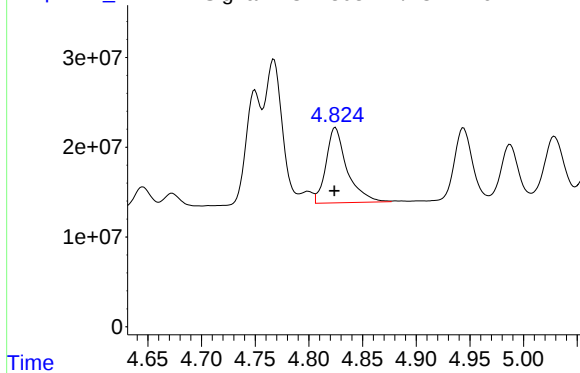
Signal: PO113032.D\ECD2B.ch

#17 AR-1242-2



R.T.: 4.748 min
Delta R.T.: 0.001 min
Response: 112142400
Conc: 517.00 ng/ml

Time



R.T.: 4.825 min
Delta R.T.: 0.000 min
Response: 114159730
Conc: 514.50 ng/ml

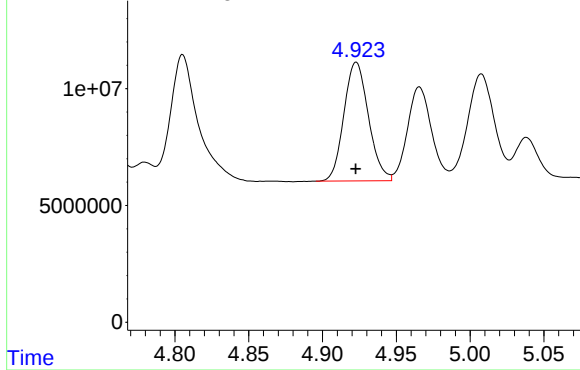
Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1242

Time

Response_

Signal: PO113032.D\ECD2B.ch

#18 AR-1242-3



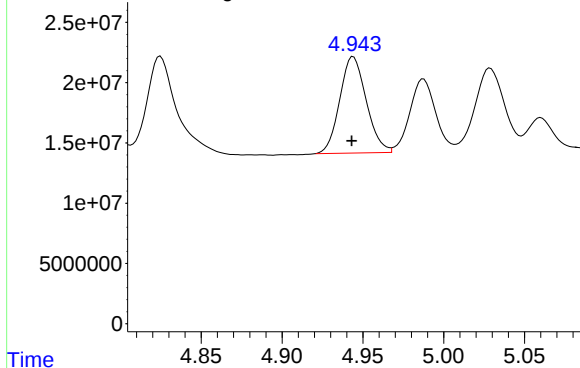
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 58830110
Conc: 502.97 ng/ml

Time

Response_

Signal: PO113032.D\ECD1A.ch

#19 AR-1242-4



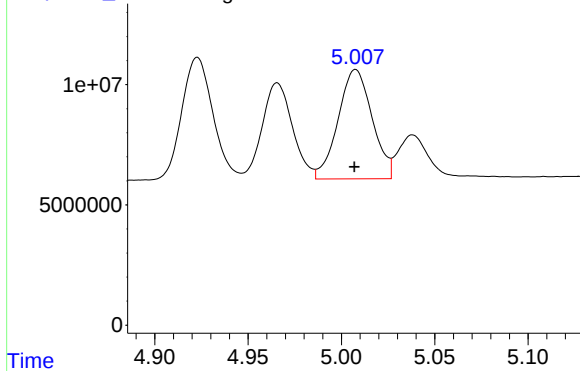
R.T.: 4.944 min
Delta R.T.: 0.001 min
Response: 91221670
Conc: 525.89 ng/ml

Time

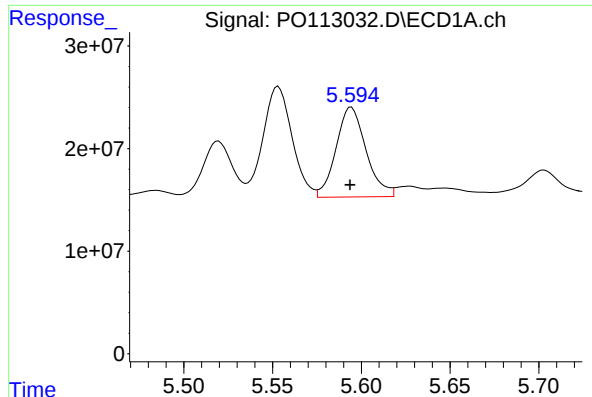
Response_

Signal: PO113032.D\ECD2B.ch

#19 AR-1242-4



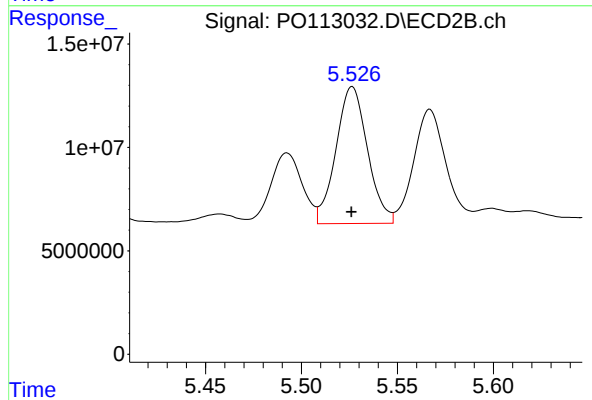
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 57727565
Conc: 490.72 ng/ml



#20 AR-1242-5

R.T.: 5.594 min
Delta R.T.: 0.000 min
Response: 103251947
Conc: 515.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1242



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 75933701
Conc: 509.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 19:54
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO081825AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:13:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.662	3.656	399.7E6	241.4E6	48.828	47.707
2) SA Decachlor...	8.680	8.627	370.4E6	97965710	53.439	51.701
Target Compounds						
21) L5 AR-1248-1	4.746	4.729	85766360	54333412	491.593	487.243
22) L5 AR-1248-2	4.984	4.965	115.6E6	76798982	478.136	477.906
23) L5 AR-1248-3	5.198	5.006	150.7E6	80662868	472.629	475.436
24) L5 AR-1248-4	5.551	5.177	233.0E6	95159179	466.303	477.659
25) L5 AR-1248-5	5.592	5.566	156.4E6	99002926	457.862	466.343

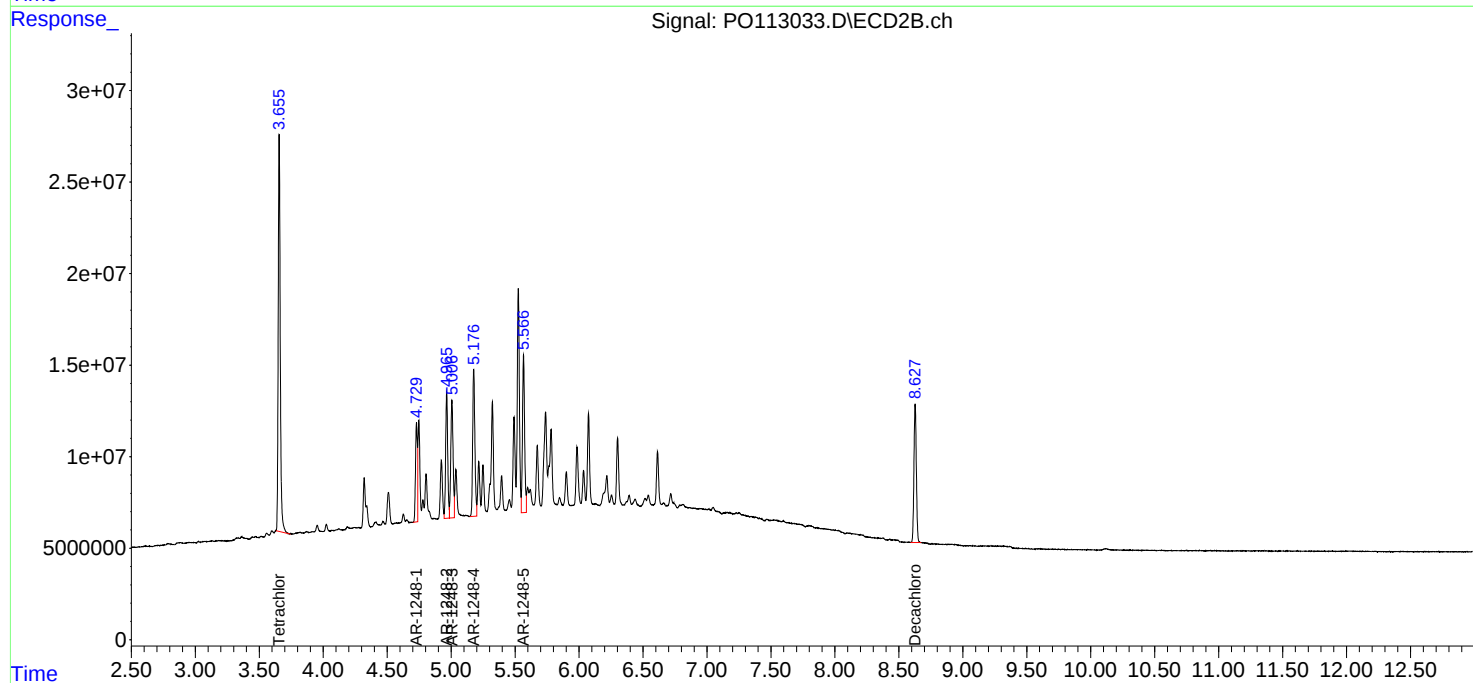
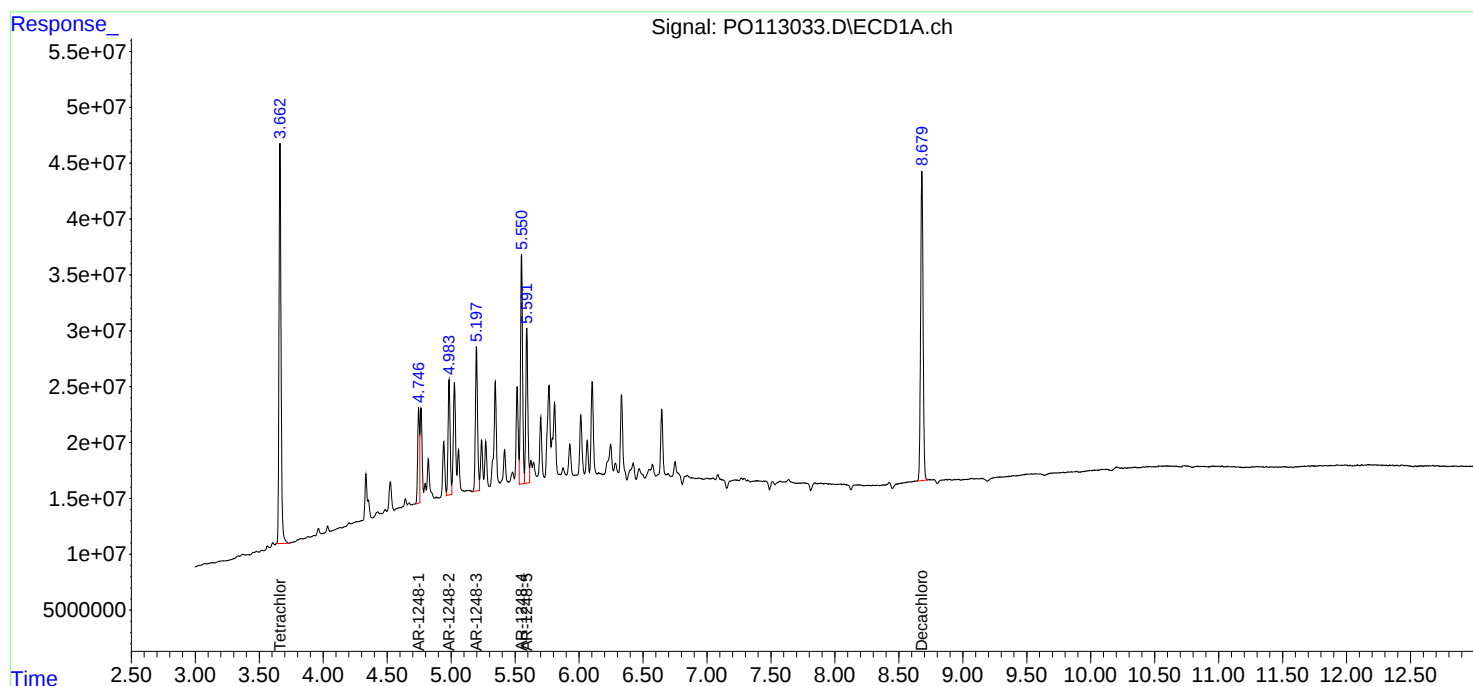
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

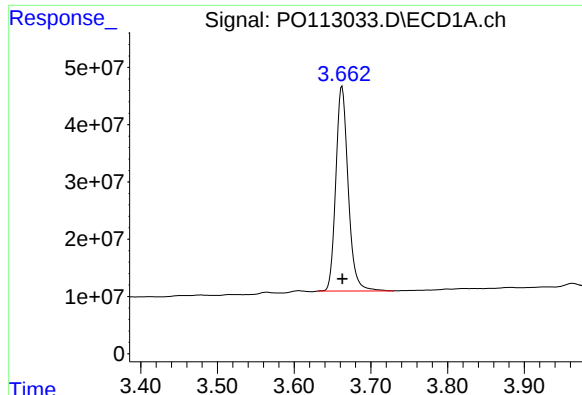
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 19:54
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:13:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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

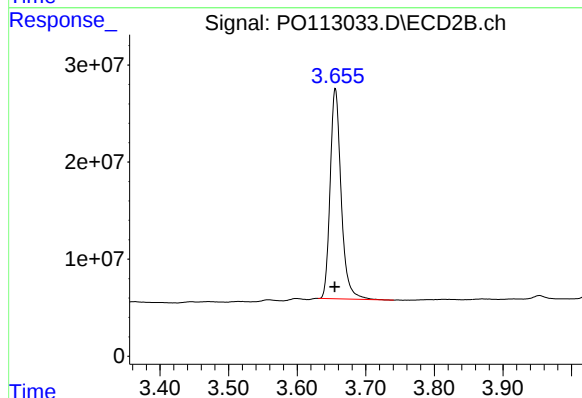




#1 Tetrachloro-m-xylene

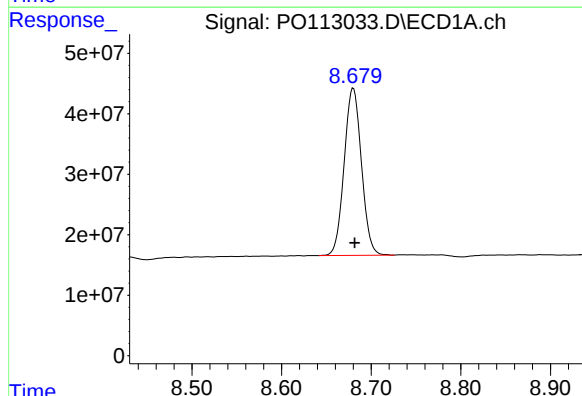
R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 399735073
Conc: 48.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1248



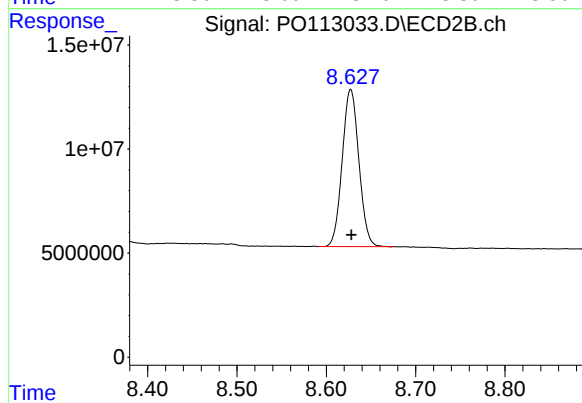
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 241430930
Conc: 47.71 ng/ml



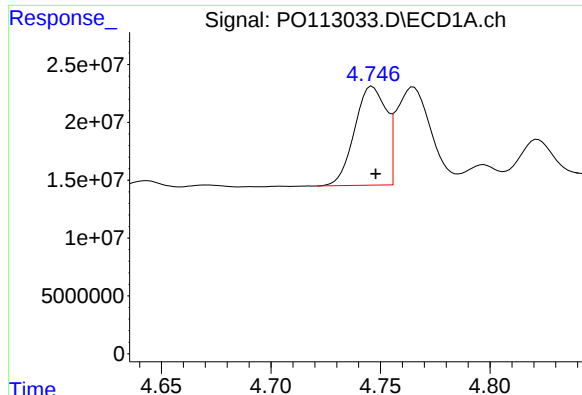
#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: -0.001 min
Response: 370405743
Conc: 53.44 ng/ml



#2 Decachlorobiphenyl

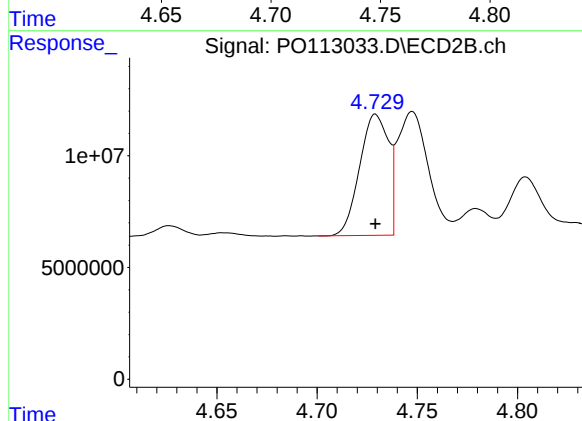
R.T.: 8.627 min
Delta R.T.: -0.001 min
Response: 97965710
Conc: 51.70 ng/ml



#21 AR-1248-1

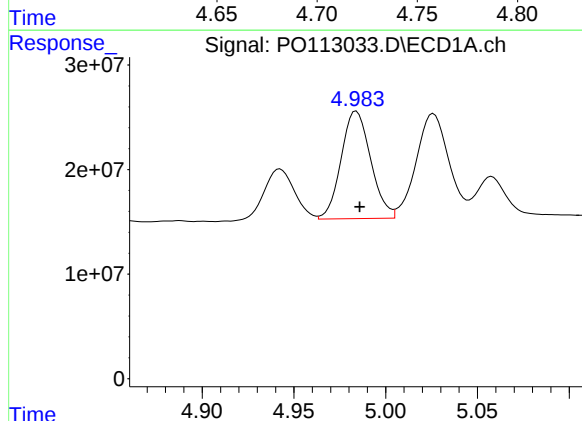
R.T.: 4.746 min
Delta R.T.: -0.002 min
Response: 85766360
Conc: 491.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1248



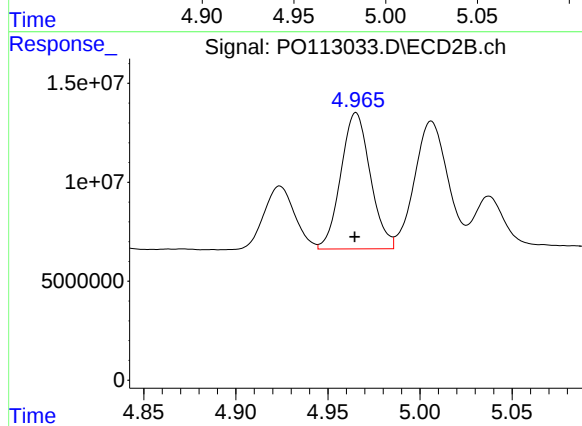
#21 AR-1248-1

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 54333412
Conc: 487.24 ng/ml



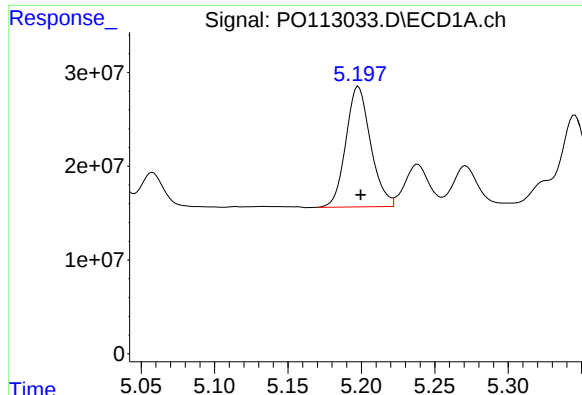
#22 AR-1248-2

R.T.: 4.984 min
Delta R.T.: -0.002 min
Response: 115644616
Conc: 478.14 ng/ml



#22 AR-1248-2

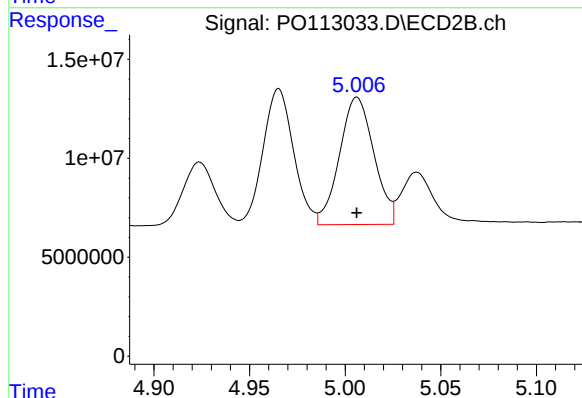
R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 76798982
Conc: 477.91 ng/ml



#23 AR-1248-3

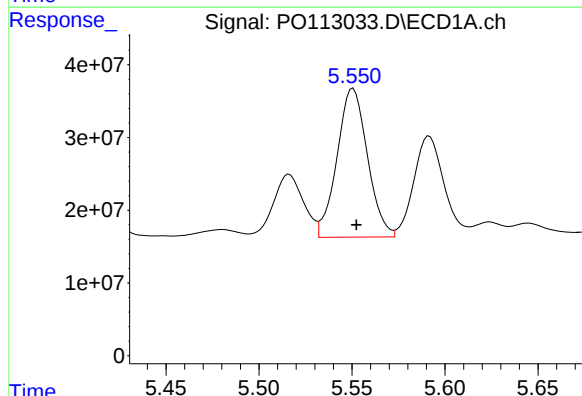
R.T.: 5.198 min
Delta R.T.: -0.002 min
Response: 150704340
Conc: 472.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1248



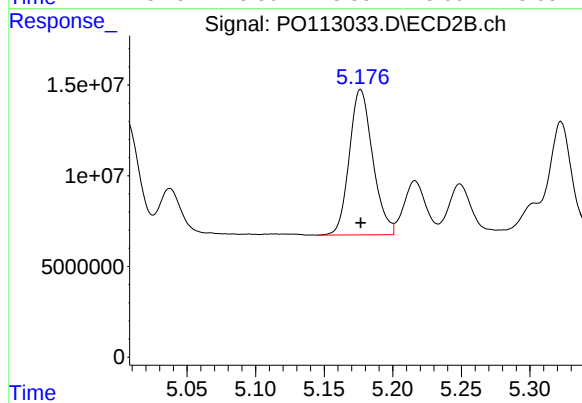
#23 AR-1248-3

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 80662868
Conc: 475.44 ng/ml



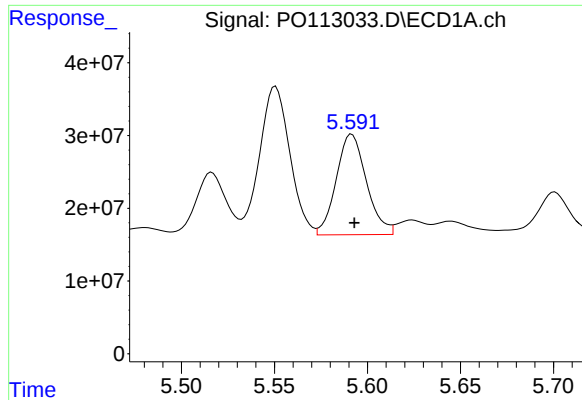
#24 AR-1248-4

R.T.: 5.551 min
Delta R.T.: -0.002 min
Response: 232967294
Conc: 466.30 ng/ml



#24 AR-1248-4

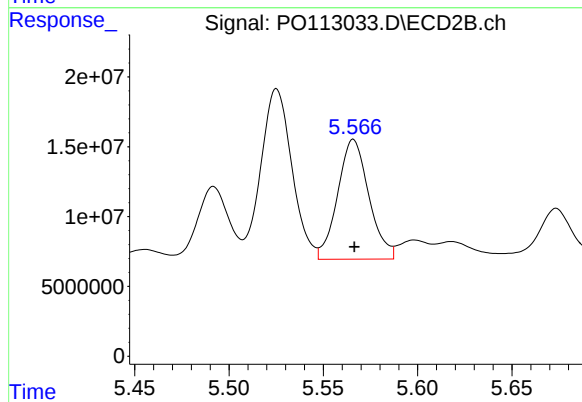
R.T.: 5.177 min
Delta R.T.: 0.000 min
Response: 95159179
Conc: 477.66 ng/ml



#25 AR-1248-5

R.T.: 5.592 min
Delta R.T.: -0.001 min
Response: 156355918
Conc: 457.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1248



#25 AR-1248-5

R.T.: 5.566 min
Delta R.T.: 0.000 min
Response: 99002926
Conc: 466.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 20:31
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO081825AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:13:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.663	3.655	409.6E6	249.7E6	50.035	49.347
2) SA Decachlor...	8.681	8.628	369.2E6	98078894	53.271	51.761
Target Compounds						
26) L6 AR-1254-1	5.552	5.526	255.6E6	152.1E6	473.260	482.262
27) L6 AR-1254-2	5.701	5.673	233.3E6	135.4E6	472.888	482.834
28) L6 AR-1254-3	6.104	6.074	358.7E6	203.2E6	485.481	487.357
29) L6 AR-1254-4	6.334	6.301	267.7E6	131.5E6	480.676	478.371
30) L6 AR-1254-5	6.752	6.717	344.2E6	166.4E6	490.961	465.595

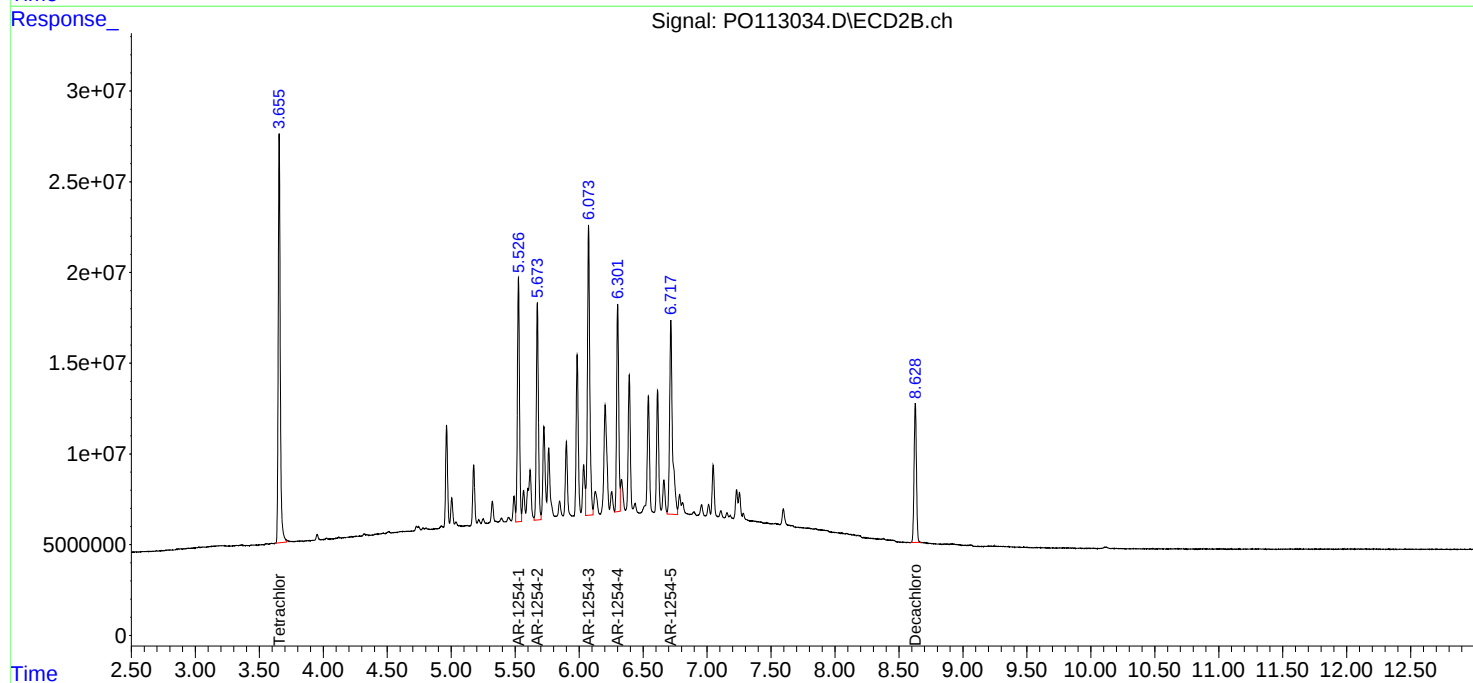
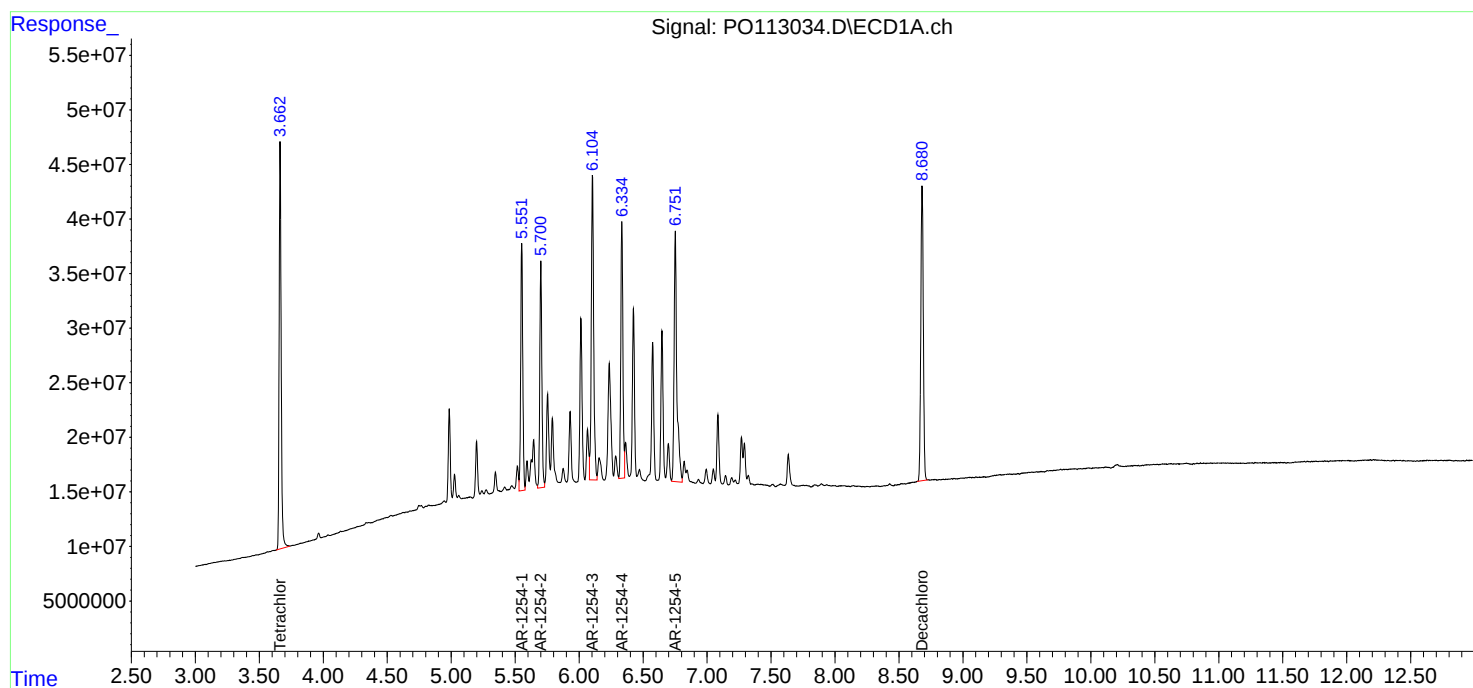
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

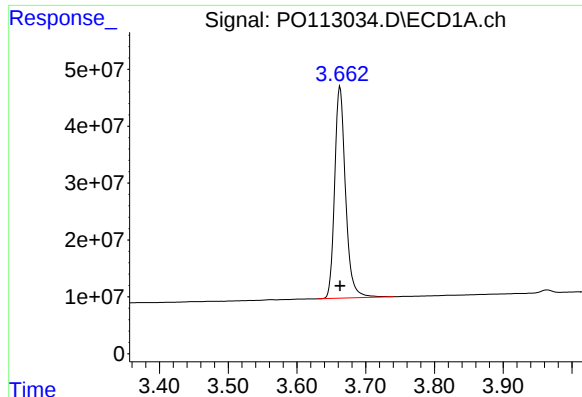
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 20:31
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:13:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

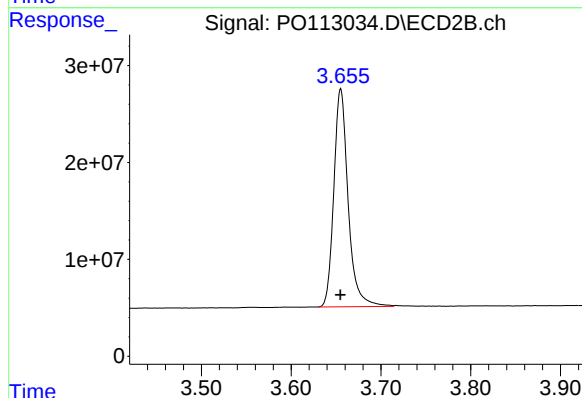




#1 Tetrachloro-m-xylene

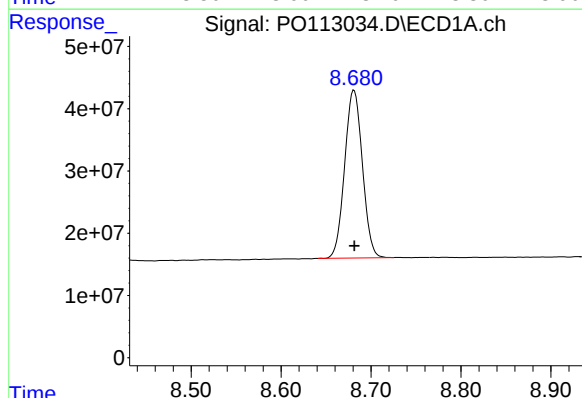
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 409616357
Conc: 50.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1254



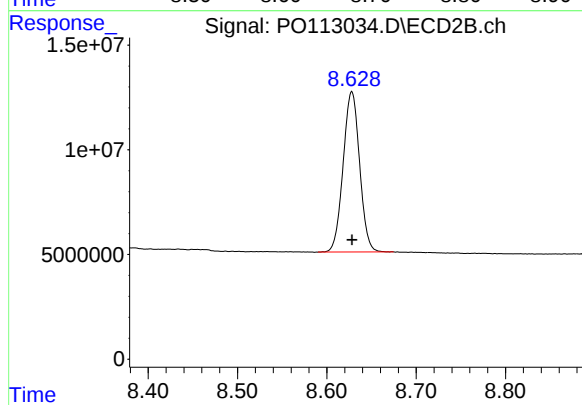
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 249730229
Conc: 49.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 369246639
Conc: 53.27 ng/ml



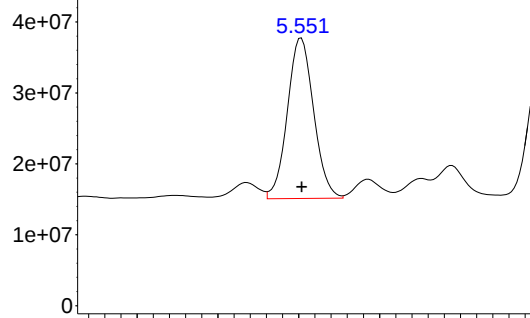
#2 Decachlorobiphenyl

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 98078894
Conc: 51.76 ng/ml

Response_

Signal: PO113034.D\ECD1A.ch

#26 AR-1254-1



R.T.: 5.552 min
Delta R.T.: 0.000 min
Response: 255550302
Conc: 473.26 ng/ml

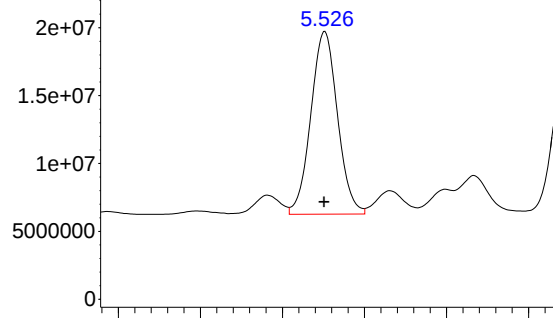
Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1254

Time

Response_

Signal: PO113034.D\ECD2B.ch

#26 AR-1254-1



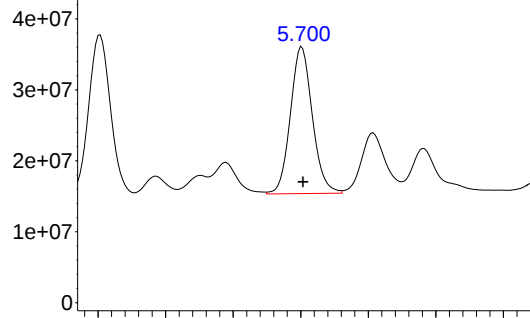
R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 152083207
Conc: 482.26 ng/ml

Time

Response_

Signal: PO113034.D\ECD1A.ch

#27 AR-1254-2



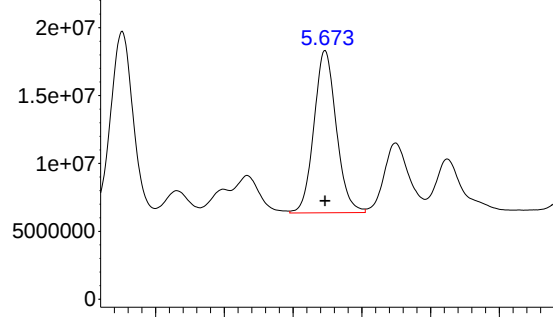
R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 233348251
Conc: 472.89 ng/ml

Time

Response_

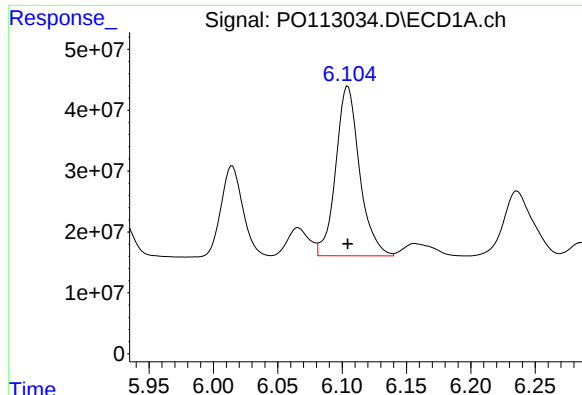
Signal: PO113034.D\ECD2B.ch

#27 AR-1254-2



R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 135357440
Conc: 482.83 ng/ml

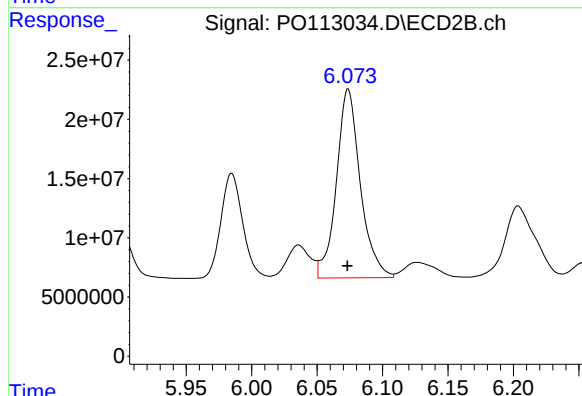
Time



#28 AR-1254-3

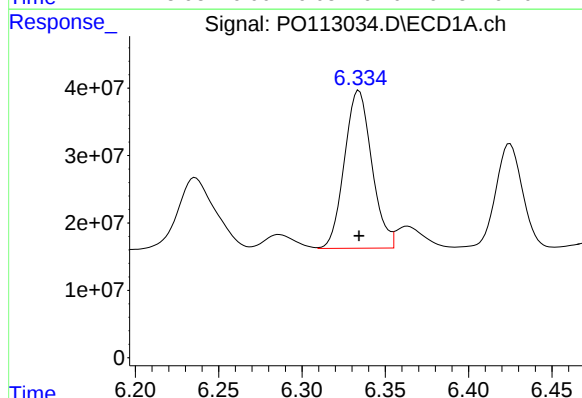
R.T.: 6.104 min
Delta R.T.: 0.000 min
Response: 358711078
Conc: 485.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1254



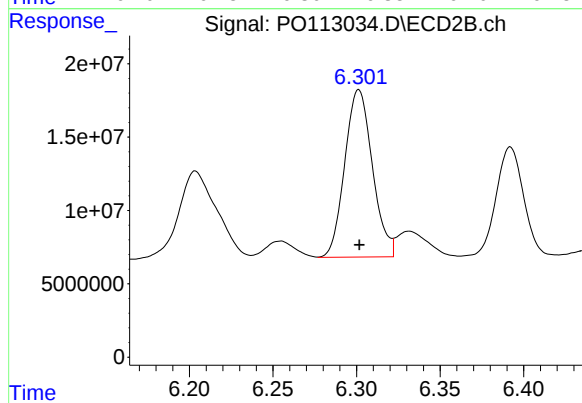
#28 AR-1254-3

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 203189857
Conc: 487.36 ng/ml



#29 AR-1254-4

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 267736434
Conc: 480.68 ng/ml



#29 AR-1254-4

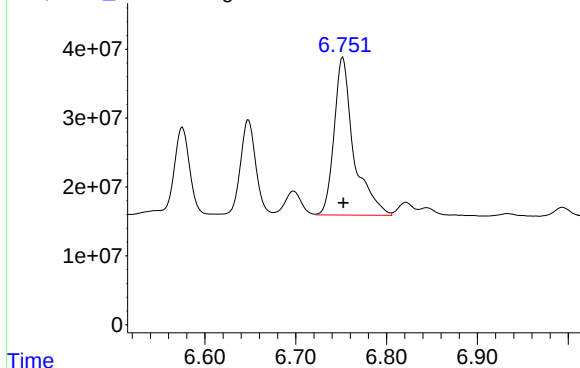
R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 131473408
Conc: 478.37 ng/ml

Response_

Signal: PO113034.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 344150543
Conc: 490.96 ng/ml

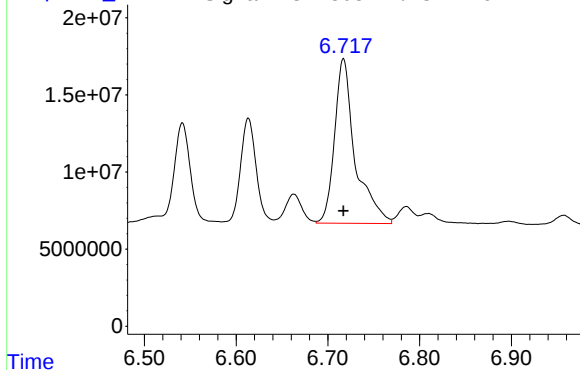
Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1254

Time

Response_

Signal: PO113034.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 166445848
Conc: 465.60 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0081825\
 Data File : P0113035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 21:07
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO081825AR1268

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:58:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 05:57:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.664	3.656	429.5E6	261.1E6	52.886	52.521
2) SA Decachlor...	8.682	8.627	678.8E6	177.0E6	51.133	51.189
Target Compounds						
41) L9 AR-1268-1	7.577	7.537	888.4E6	255.4E6	516.244	501.241
42) L9 AR-1268-2	7.642	7.602	745.6E6	207.2E6	514.846	498.702
43) L9 AR-1268-3	7.846	7.805	631.0E6	163.1E6	523.061	499.640
44) L9 AR-1268-4	8.137	8.092	241.9E6	62721591	525.077	520.802
45) L9 AR-1268-5	8.429	8.379	1632.4E6	402.4E6	511.965	515.245m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO081825\
Data File : PO113035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 21:07
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

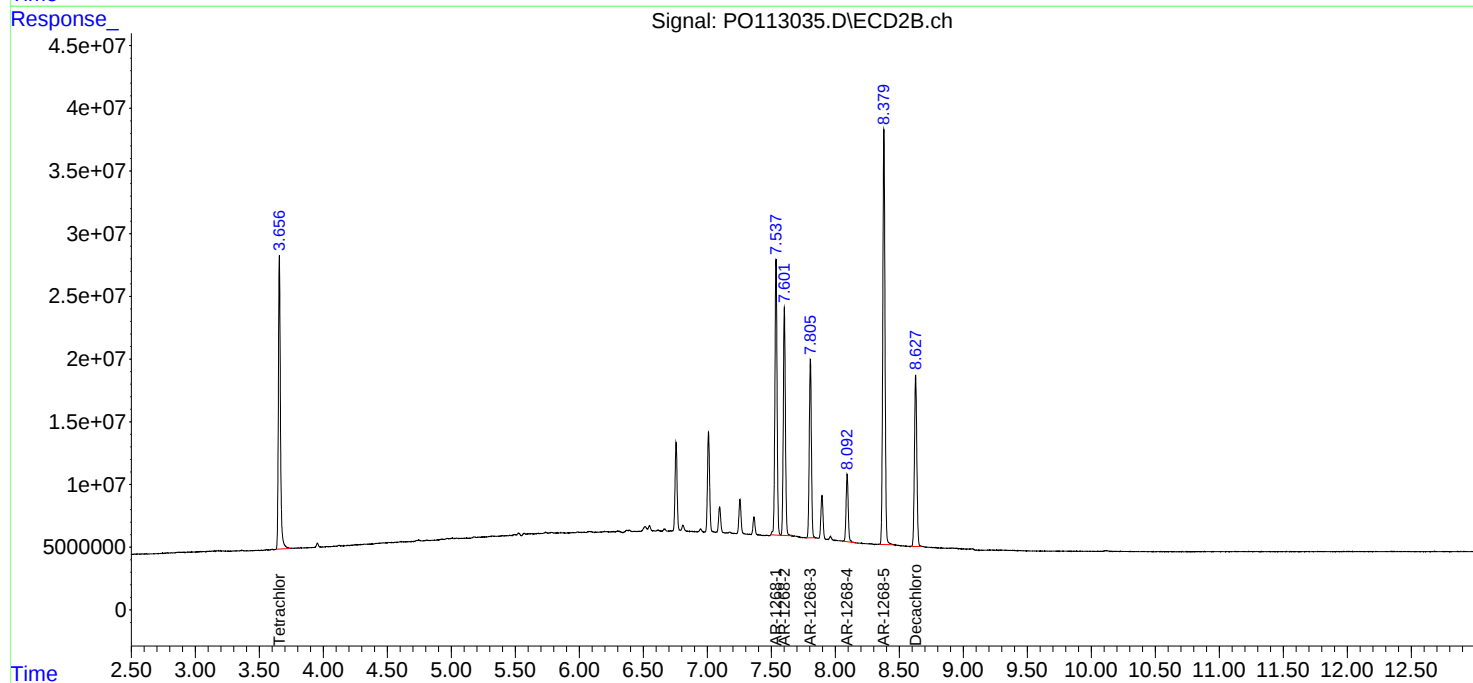
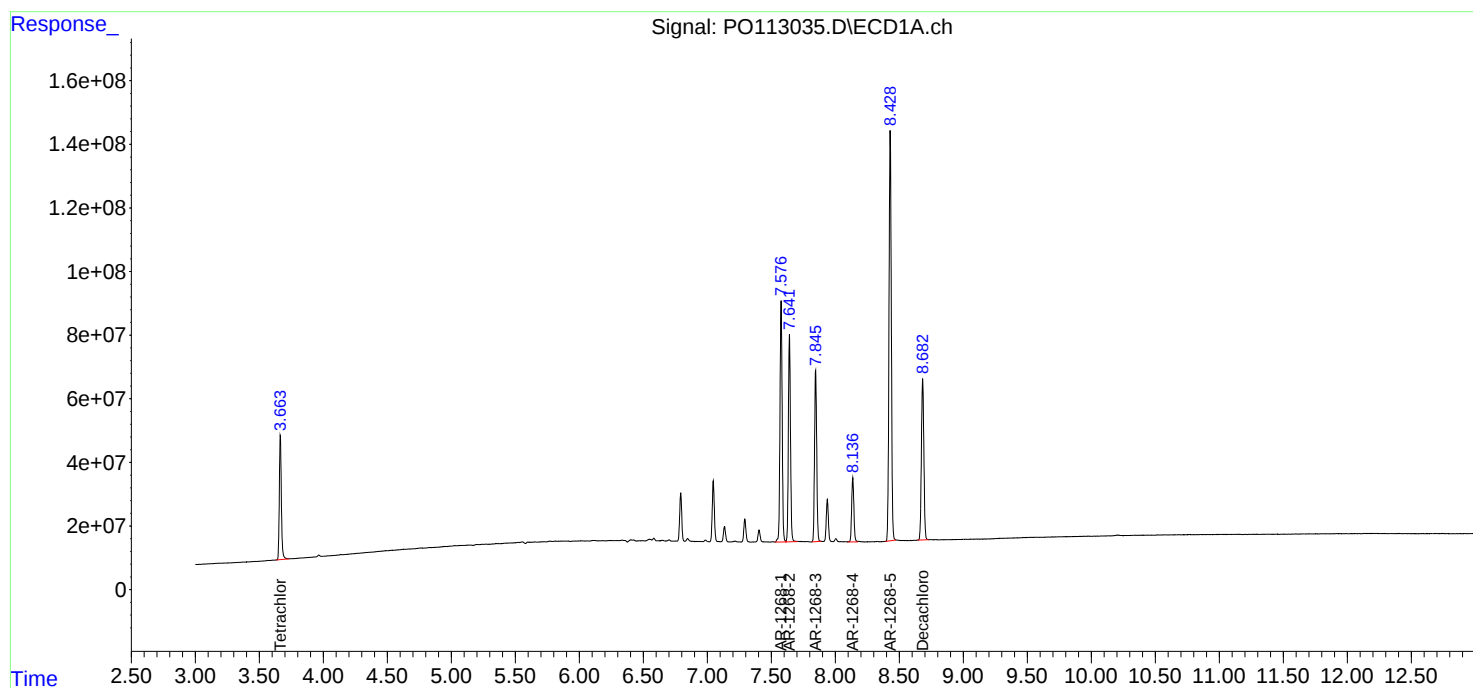
Instrument :
ECD_0
ClientSampleId :
ICVPO081825AR1268

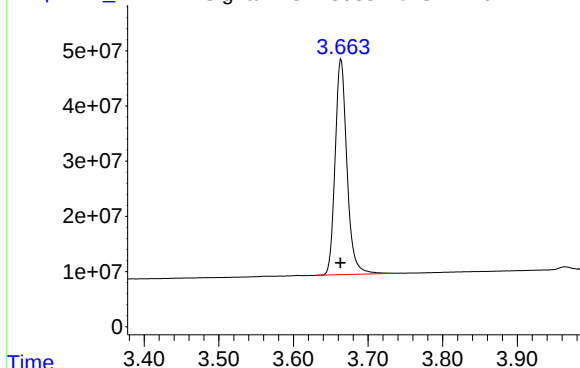
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:58:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 05:57:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 429465520
Conc: 52.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1268

Manual Integrations
APPROVED

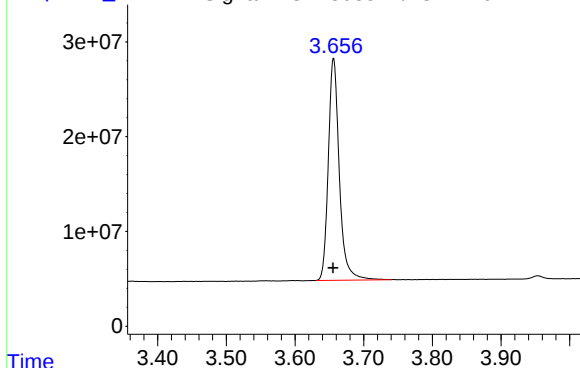
Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time

Response_

Signal: PO113035.D\ECD2B.ch

#1 Tetrachloro-m-xylene



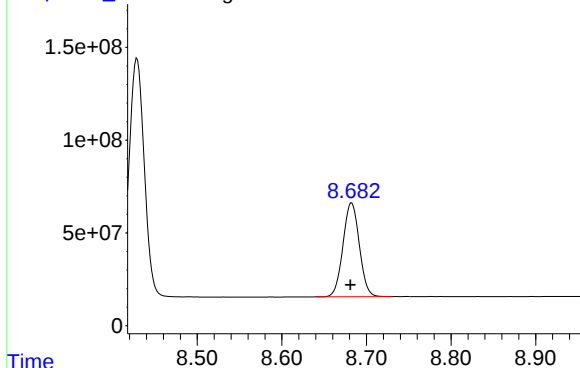
R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 261070028
Conc: 52.52 ng/ml

Time

Response_

Signal: PO113035.D\ECD1A.ch

#2 Decachlorobiphenyl



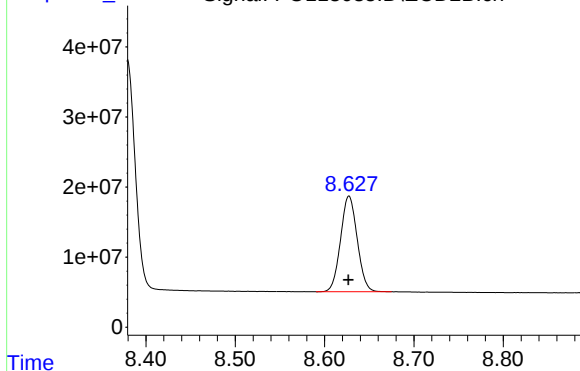
R.T.: 8.682 min
Delta R.T.: 0.001 min
Response: 678789328
Conc: 51.13 ng/ml

Time

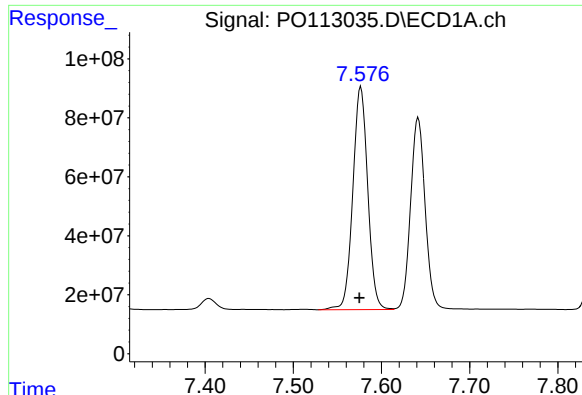
Response_

Signal: PO113035.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.627 min
Delta R.T.: 0.000 min
Response: 176997340
Conc: 51.19 ng/ml



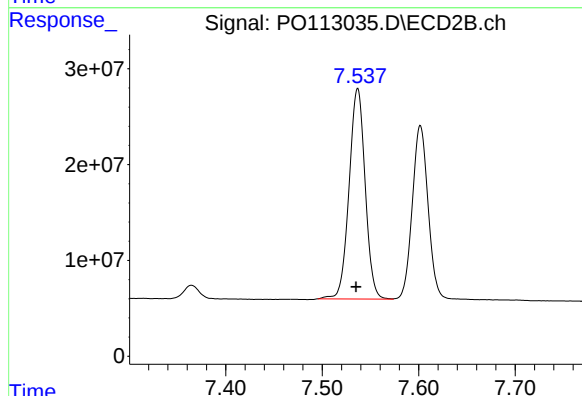
#41 AR-1268-1

R.T.: 7.577 min
Delta R.T.: 0.002 min
Response: 888399269
Conc: 516.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1268

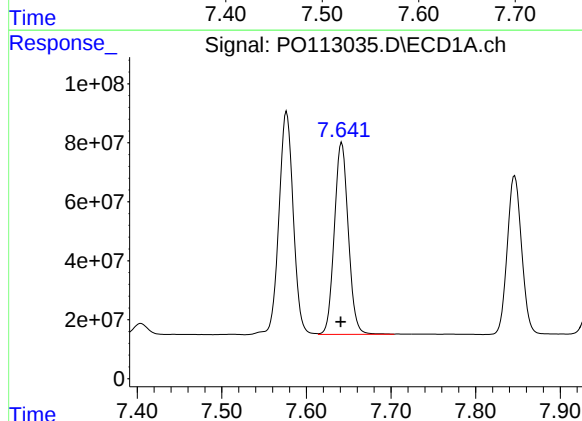
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



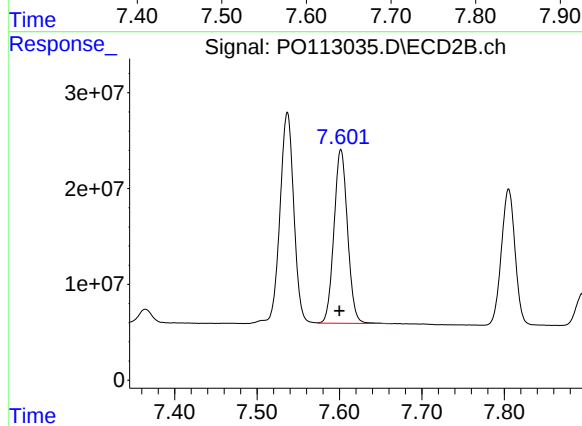
#41 AR-1268-1

R.T.: 7.537 min
Delta R.T.: 0.002 min
Response: 255364211
Conc: 501.24 ng/ml



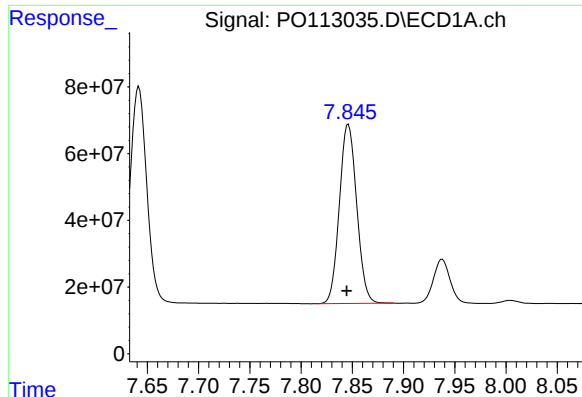
#42 AR-1268-2

R.T.: 7.642 min
Delta R.T.: 0.001 min
Response: 745572427
Conc: 514.85 ng/ml



#42 AR-1268-2

R.T.: 7.602 min
Delta R.T.: 0.002 min
Response: 207162005
Conc: 498.70 ng/ml



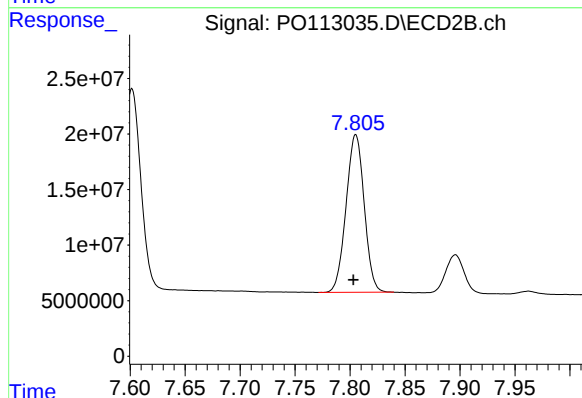
#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.002 min
Response: 630976194
Conc: 523.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1268

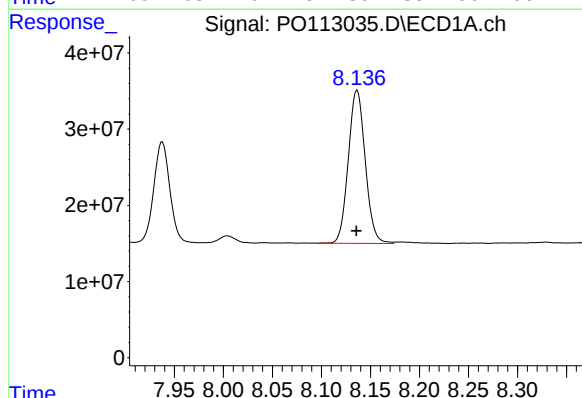
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



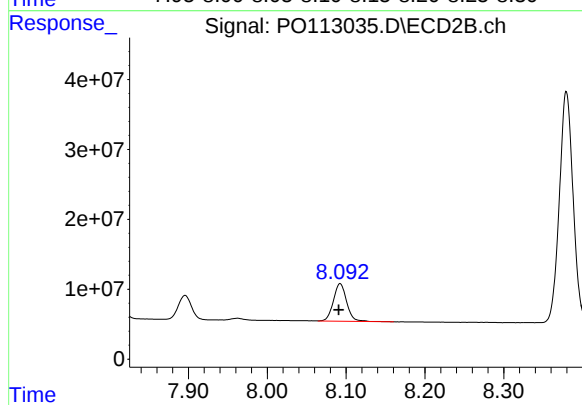
#43 AR-1268-3

R.T.: 7.805 min
Delta R.T.: 0.002 min
Response: 163136992
Conc: 499.64 ng/ml



#44 AR-1268-4

R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 241884018
Conc: 525.08 ng/ml



#44 AR-1268-4

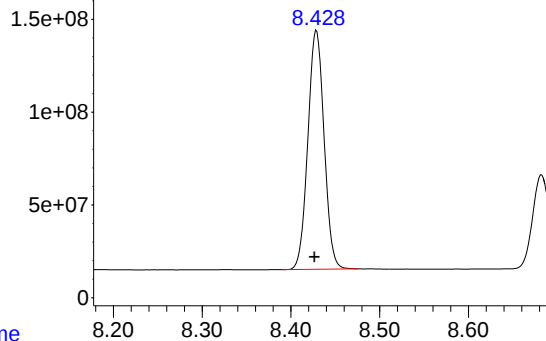
R.T.: 8.092 min
Delta R.T.: 0.002 min
Response: 62721591
Conc: 520.80 ng/ml

Response_

Signal: PO113035.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 8.429 min
Delta R.T.: 0.002 min
Response: 1632354575
Conc: 511.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO081825AR1268

Manual Integrations
APPROVED

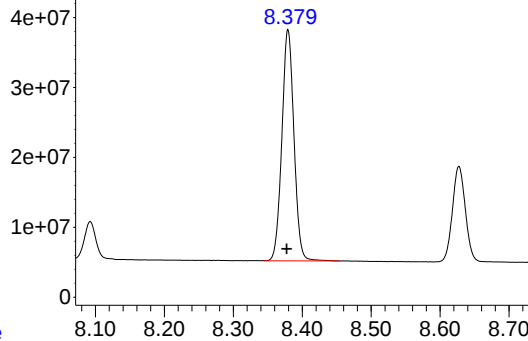
Reviewed By :Yogesh Patel 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time

Response_

Signal: PO113035.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.379 min
Delta R.T.: 0.001 min
Response: 402384863
Conc: 515.25 ng/ml m

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Instrument ID: ECD_0

Calibration Date(s): **09/08/2025** **09/08/2025**

Calibration Times: 20:32 21:46

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

LAB FILE ID:	RT 1000 =	<u>PO113587.D</u>	RT 750 =	<u>PO113588.D</u>
	RT 500 =	PO113589.D	RT 250 =	PO113590.D
			RT 050 =	PO113591.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Instrument ID: ECD_0

Calibration Date(s): **09/08/2025** **09/08/2025**

Calibration Times: 20:32 21:46

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

LAB FILE ID:	RT 1000 =	<u>PO113587.D</u>	RT 750 =	<u>PO113588.D</u>
	RT 500 =	PO113589.D	RT 250 =	PO113590.D
			RT 050 =	PO113591.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Instrument ID: ECD_O

Calibration Date(s): 09/08/2025 09/08/2025

Calibration Times: 20:32 21:46

GC Column: ZB-MR1

ID: 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO113587.D</u>		CF 750 = <u>PO113588.D</u>				
CF 500 = <u>PO113589.D</u>		CF 250 = <u>PO113590.D</u>		CF 050 = <u>PO113591.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1232-1	(1)	178756051	183127533	187603382	194163548	153984240	179526951	9
Aroclor-1232-2	(2)	101998601	105411240	108206638	111661264	112307700	107917089	4
Aroclor-1232-3	(3)	201521563	204455984	210950642	213706488	156342540	197395443	12
Aroclor-1232-4	(4)	100693779	102387344	105713674	106545592	76126180	98293314	13
Aroclor-1232-5	(5)	66225540	68816073	69909258	72601476	51358660	65782201	13
Decachlorobiphenyl		7000306640	7188422947	7303318160	7294214680	5698936800	6897039845	10
Tetrachloro-m-xylene		9200100240	9328632013	9543278800	9625735240	7143802400	8968309739	12



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Instrument ID: ECD_O

Calibration Date(s): 09/08/2025 09/08/2025

Calibration Times: 20:32 21:46

GC Column: ZB-MR2

ID: 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO113587.D</u>		CF 750 = <u>PO113588.D</u>				
CF 500 = <u>PO113589.D</u>		CF 250 = <u>PO113590.D</u>		CF 050 = <u>PO113591.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1232-1	(1)	115209223	120046188	126007322	132162044	111239120	120932779	7
Aroclor-1232-2	(2)	118177346	122607973	126414234	134015936	109033100	122049718	8
Aroclor-1232-3	(3)	62747827	63814381	66946748	70890032	66380840	66155966	5
Aroclor-1232-4	(4)	55079585	56649443	60124372	63825416	63963580	59928479	7
Aroclor-1232-5	(5)	59364472	60823416	65232650	68803868	83856180	67616117	15
Decachlorobiphenyl		1930069140	1981364000	2043563780	2090755920	1640556000	1937261768	9
Tetrachloro-m-xylene		5347578010	5446733427	5603455200	5645744400	4315102200	5271722647	10

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : P0113587.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 20:32
 Operator : YP/AJ
 Sample : AR1232ICC1000
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 14:44:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 14:41:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.659	3.650	920.0E6	534.8E6	98.169	97.663
2) SA Decachlor...	8.671	8.615	700.0E6	193.0E6	97.882	97.144
Target Compounds						
11) L3 AR-1232-1	4.031	4.017	178.8E6	115.2E6	975.851	955.235
12) L3 AR-1232-2	4.522	4.740	102.0E6	118.2E6	970.467	966.324
13) L3 AR-1232-3	4.761	4.915	201.5E6	62747827	977.140	967.625
14) L3 AR-1232-4	4.937	5.000	100.7E6	55079585	975.680	956.210
15) L3 AR-1232-5	4.980	5.169	66225540	59364472	972.941	952.903

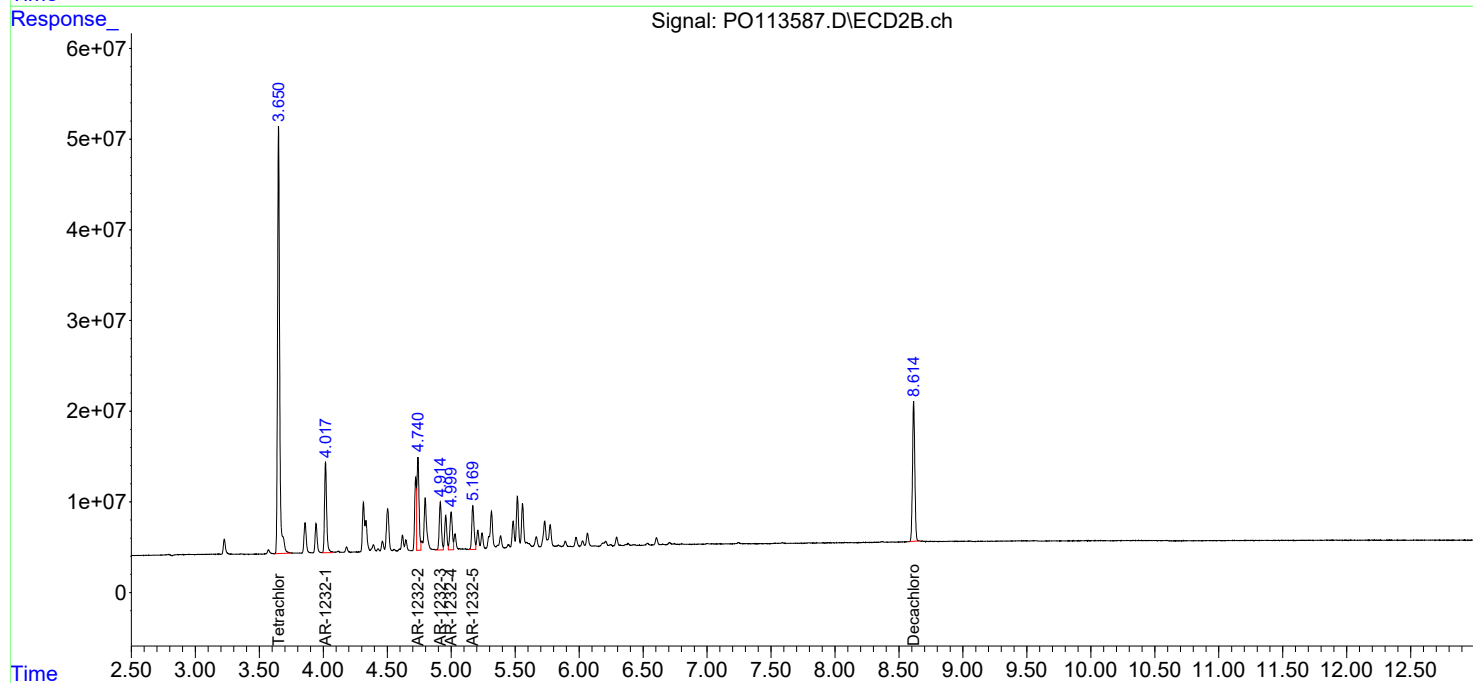
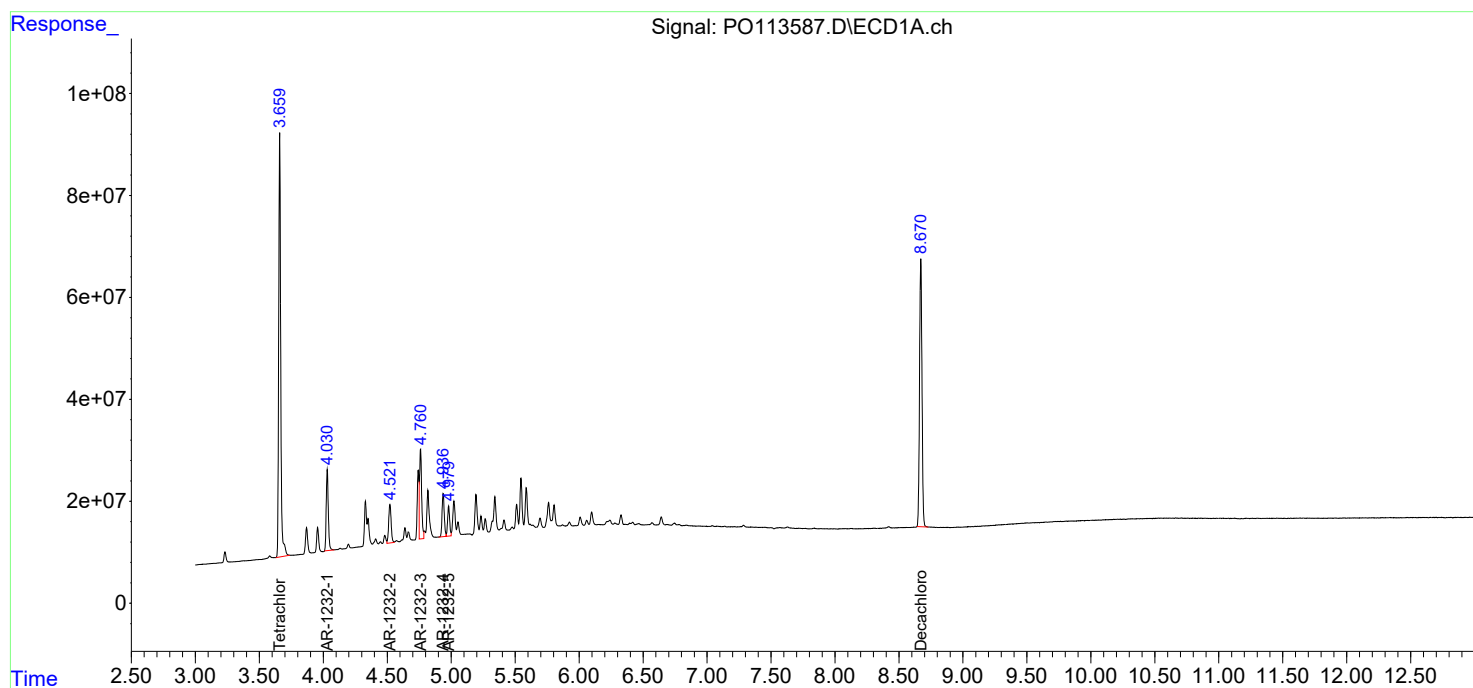
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

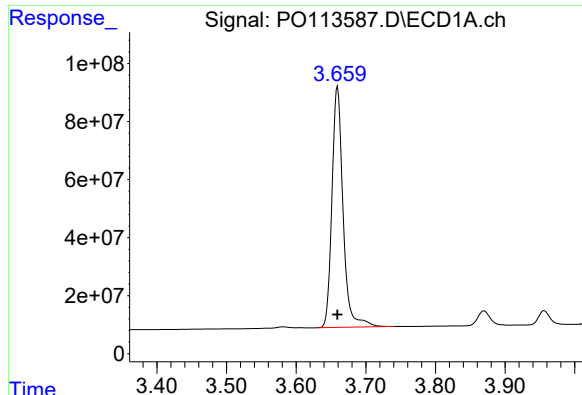
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 20:32
Operator : YP/AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 14:44:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:41:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

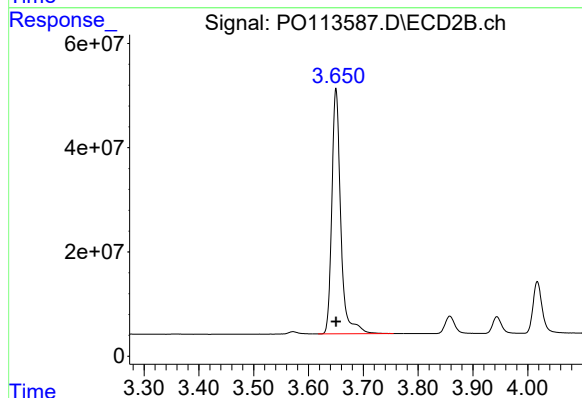




#1 Tetrachloro-m-xylene

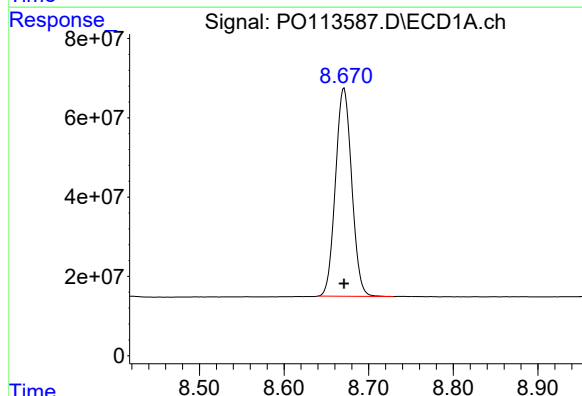
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 920010024
Conc: 98.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC1000



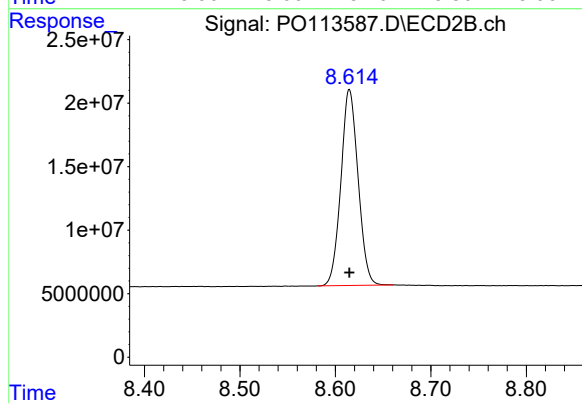
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: 0.000 min
Response: 534757801
Conc: 97.66 ng/ml



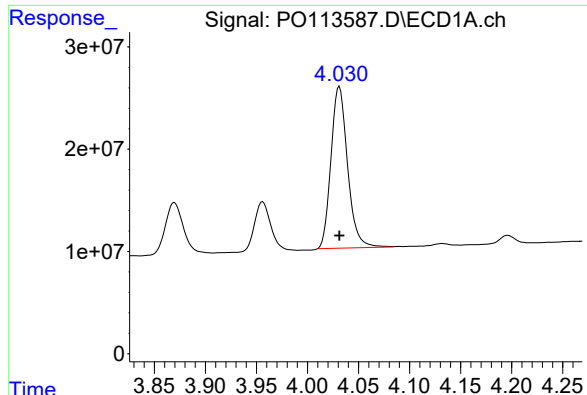
#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 700030664
Conc: 97.88 ng/ml



#2 Decachlorobiphenyl

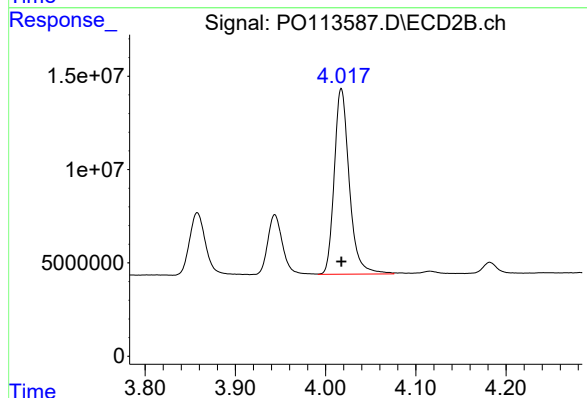
R.T.: 8.615 min
Delta R.T.: 0.000 min
Response: 193006914
Conc: 97.14 ng/ml



#11 AR-1232-1

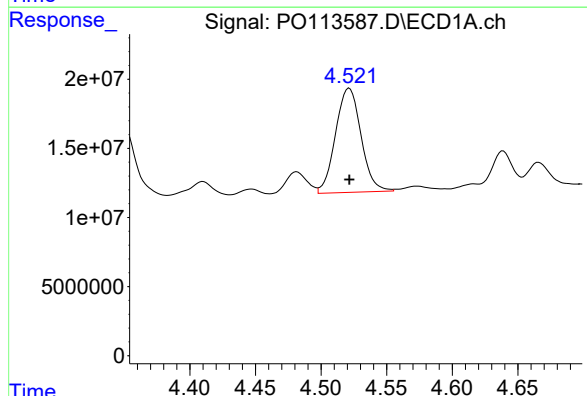
R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 178756051
Conc: 975.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC1000



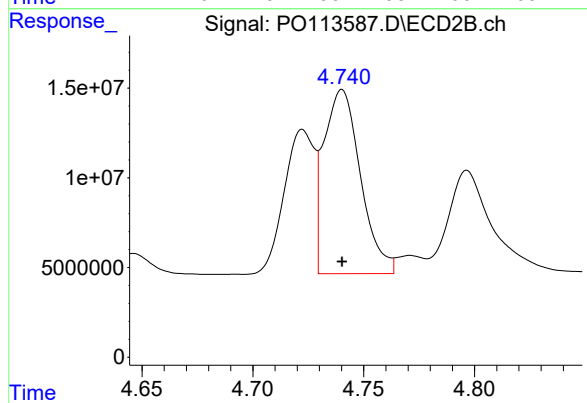
#11 AR-1232-1

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 115209223
Conc: 955.23 ng/ml



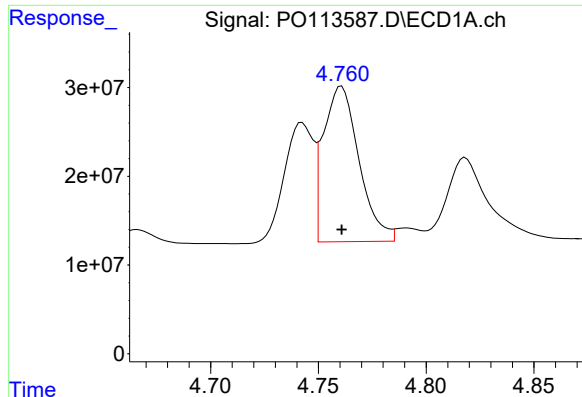
#12 AR-1232-2

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 101998601
Conc: 970.47 ng/ml



#12 AR-1232-2

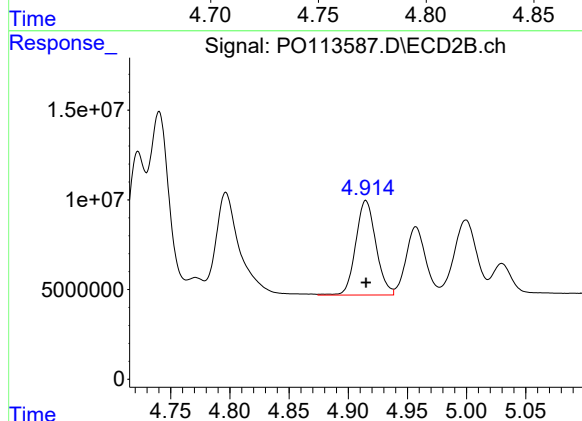
R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 118177346
Conc: 966.32 ng/ml



#13 AR-1232-3

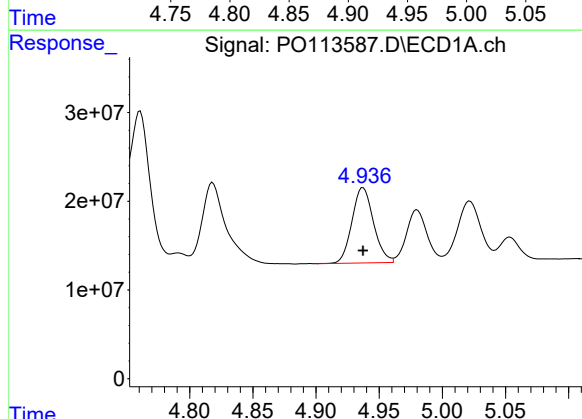
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 201521563
Conc: 977.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC1000



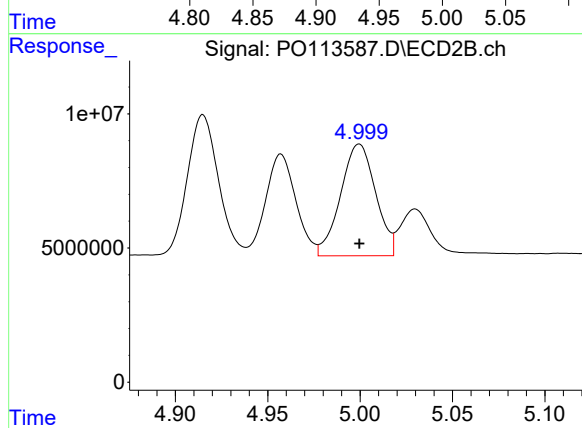
#13 AR-1232-3

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 62747827
Conc: 967.62 ng/ml



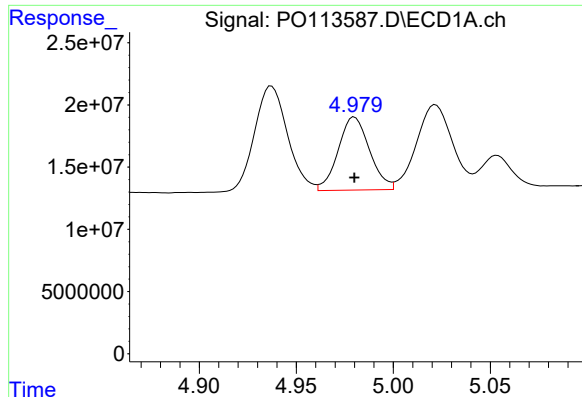
#14 AR-1232-4

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 100693779
Conc: 975.68 ng/ml



#14 AR-1232-4

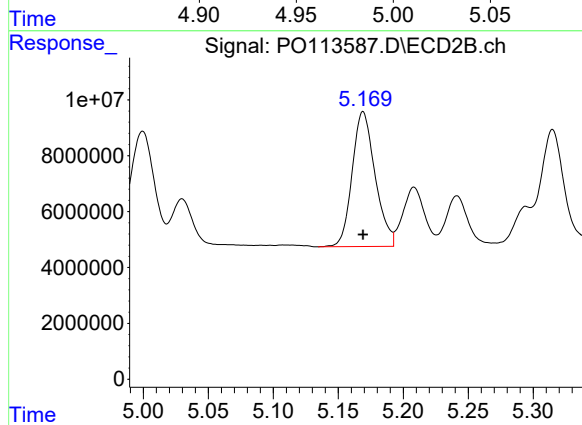
R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 55079585
Conc: 956.21 ng/ml



#15 AR-1232-5

R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 66225540
Conc: 972.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC1000



#15 AR-1232-5

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 59364472
Conc: 952.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\P0090925\
 Data File : P0113588.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 20:51
 Operator : YP/AJ
 Sample : AR1232ICC750
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1232ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 14:47:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 14:41:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.659	3.650	699.6E6	408.5E6	74.770	74.737
2) SA Decachlor...	8.671	8.616	539.1E6	148.6E6	75.256	74.863
Target Compounds						
11) L3 AR-1232-1	4.031	4.018	137.3E6	90034641	749.858	747.666
12) L3 AR-1232-2	4.522	4.741	79058430	91955980	751.467	751.275
13) L3 AR-1232-3	4.761	4.915	153.3E6	47860786	745.672	741.993
14) L3 AR-1232-4	4.937	4.999	76790508	42487082	746.034	741.686
15) L3 AR-1232-5	4.980	5.169	51612055	45617562	755.479	738.066

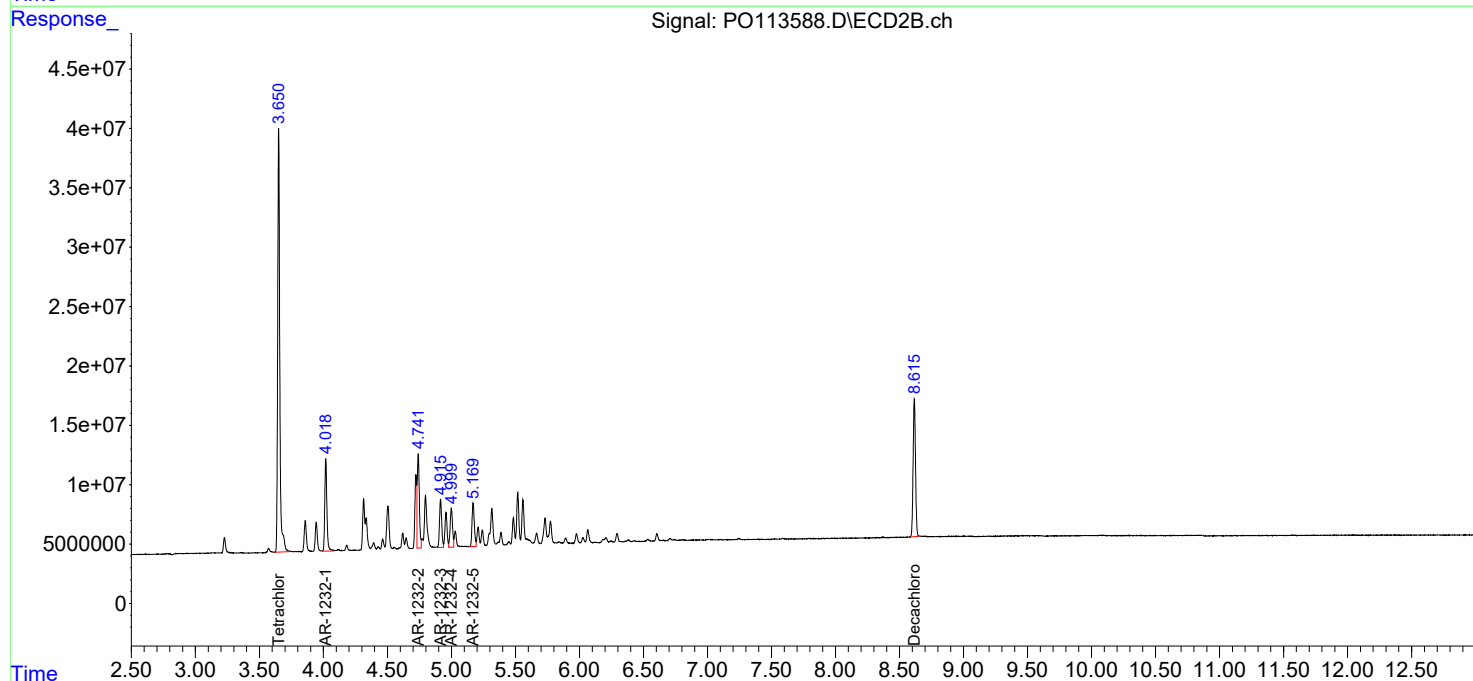
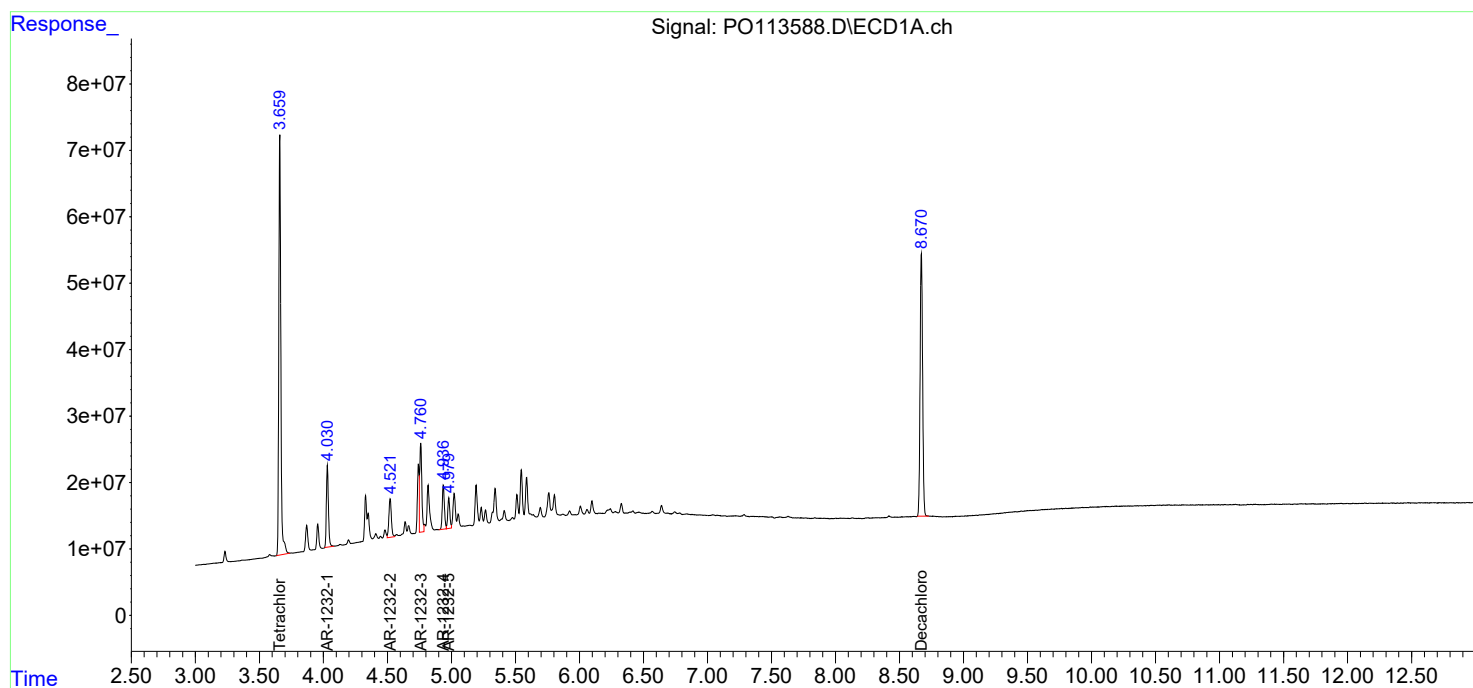
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

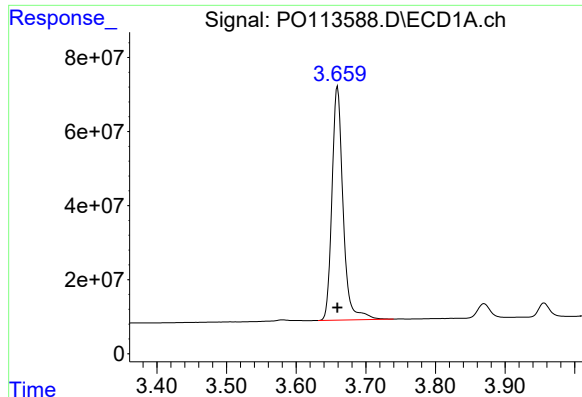
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 20:51
Operator : YP/AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 14:47:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:41:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

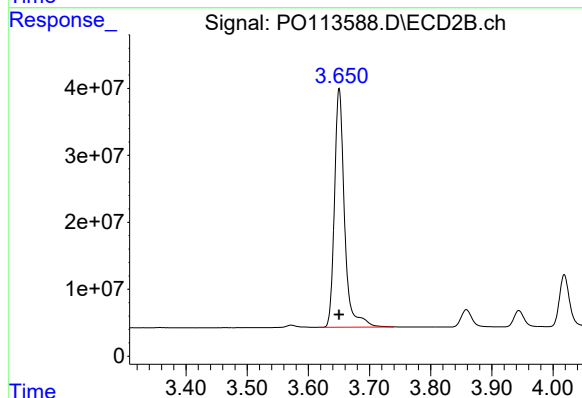




#1 Tetrachloro-m-xylene

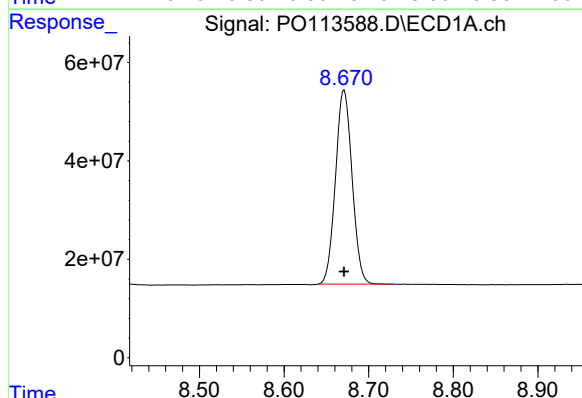
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 699647401
Conc: 74.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC750



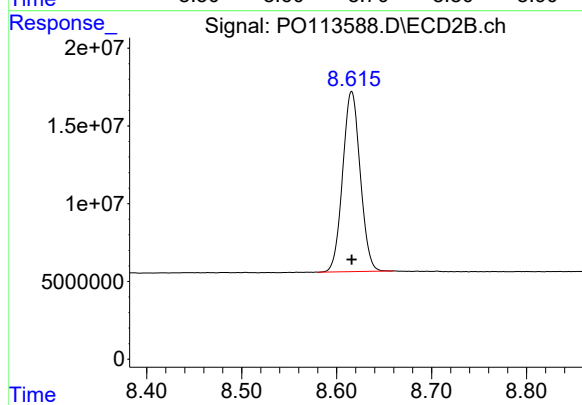
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: 0.000 min
Response: 408505007
Conc: 74.74 ng/ml



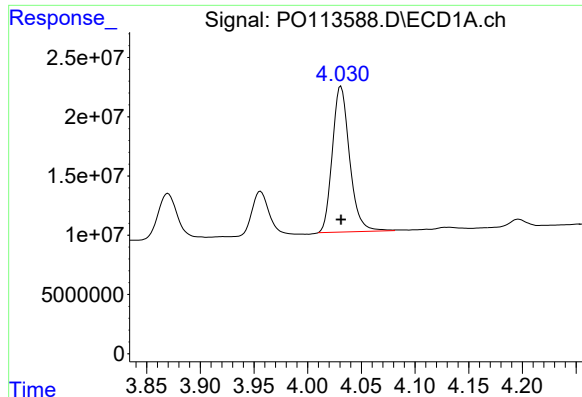
#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 539131721
Conc: 75.26 ng/ml



#2 Decachlorobiphenyl

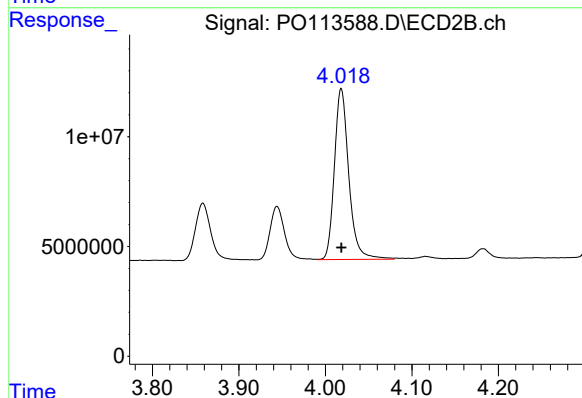
R.T.: 8.616 min
Delta R.T.: 0.000 min
Response: 148602300
Conc: 74.86 ng/ml



#11 AR-1232-1

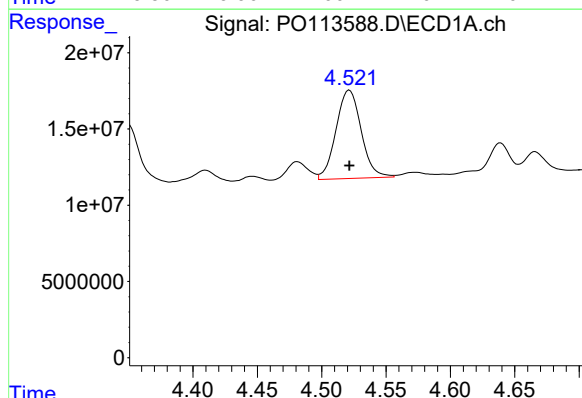
R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 137345650
Conc: 749.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC750



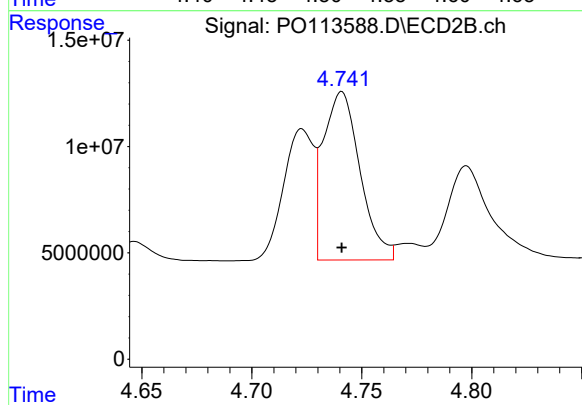
#11 AR-1232-1

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 90034641
Conc: 747.67 ng/ml



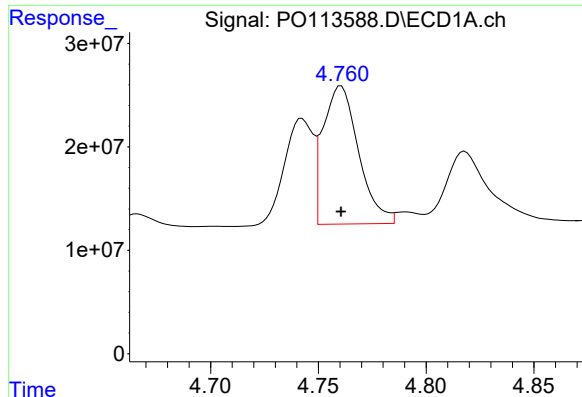
#12 AR-1232-2

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 79058430
Conc: 751.47 ng/ml



#12 AR-1232-2

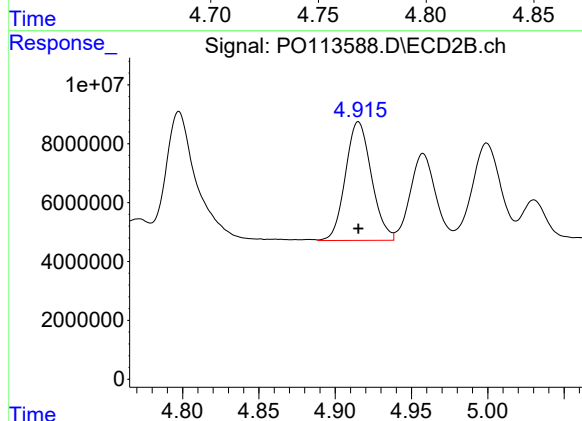
R.T.: 4.741 min
Delta R.T.: 0.000 min
Response: 91955980
Conc: 751.28 ng/ml



#13 AR-1232-3

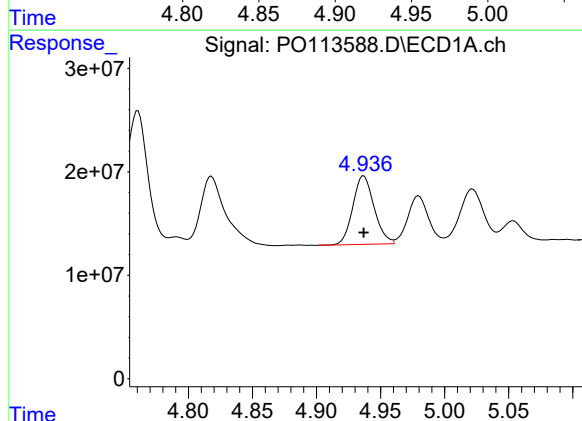
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 153341988
Conc: 745.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC750



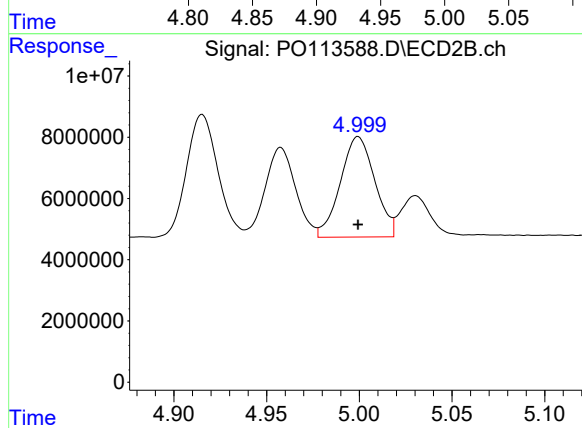
#13 AR-1232-3

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 47860786
Conc: 741.99 ng/ml



#14 AR-1232-4

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 76790508
Conc: 746.03 ng/ml



#14 AR-1232-4

R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 42487082
Conc: 741.69 ng/ml

Response_

Signal: PO113588.D\ECD1A.ch

#15 AR-1232-5

R.T.: 4.980 min

Delta R.T.: 0.000 min

Response: 51612055

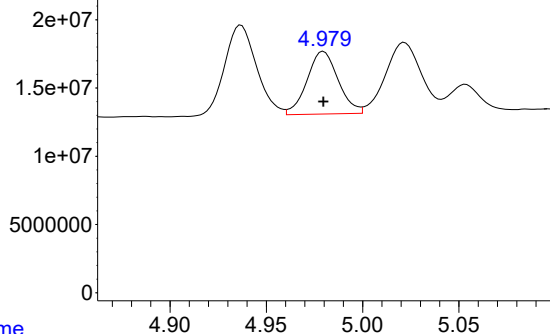
Conc: 755.48 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1232ICC750



Time

Response

Signal: PO113588.D\ECD2B.ch

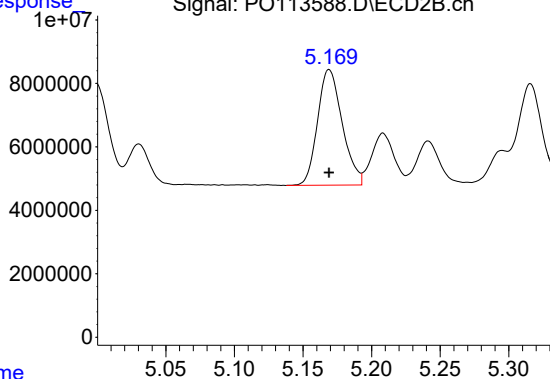
#15 AR-1232-5

R.T.: 5.169 min

Delta R.T.: 0.000 min

Response: 45617562

Conc: 738.07 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : P0113589.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 21:09
 Operator : YP/AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 14:41:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 14:41:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.658	3.649	477.2E6	280.2E6	50.000	50.000
2) SA Decachlor...	8.670	8.615	365.2E6	102.2E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.030	4.017	93801691	63003661	500.000	500.000
12) L3 AR-1232-2	4.521	4.740	54103319	63207117	500.000	500.000
13) L3 AR-1232-3	4.760	4.914	105.5E6	33473374	500.000	500.000
14) L3 AR-1232-4	4.936	4.998	52856837	30062186	500.000	500.000
15) L3 AR-1232-5	4.979	5.169	34954629	32616325	500.000	500.000

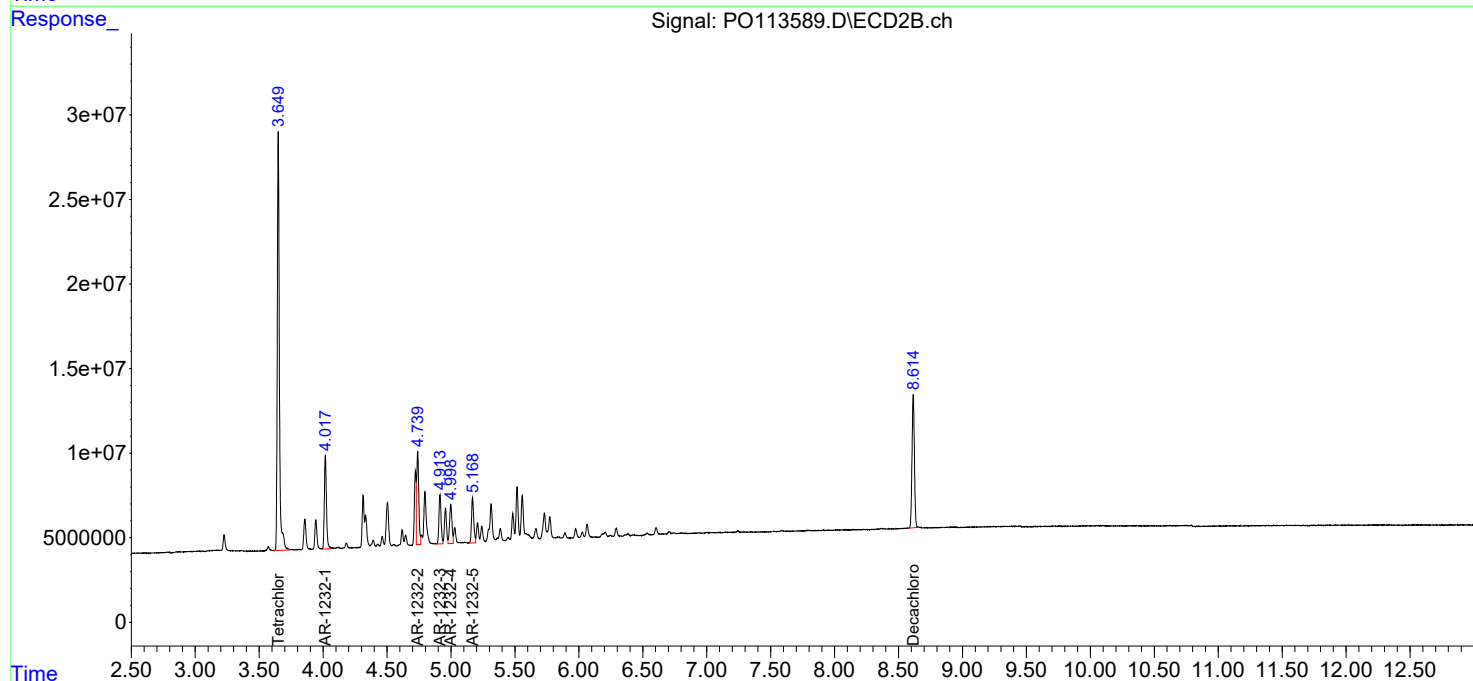
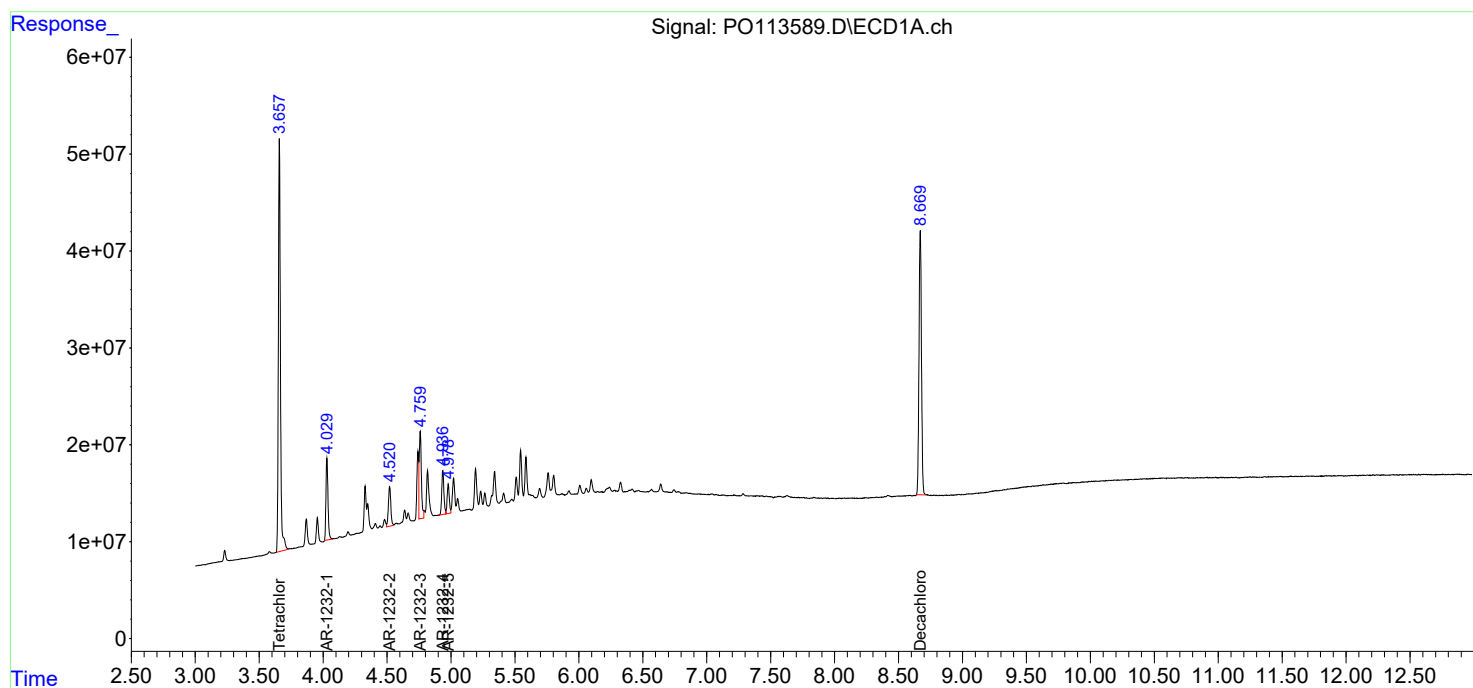
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

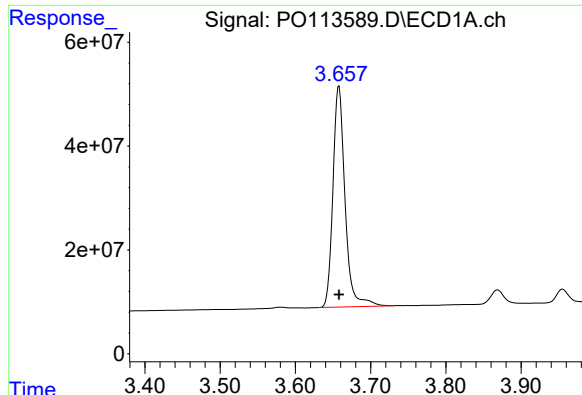
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 21:09
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 14:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:41:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

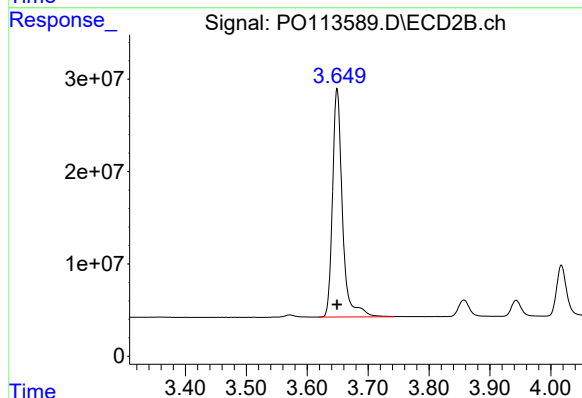




#1 Tetrachloro-m-xylene

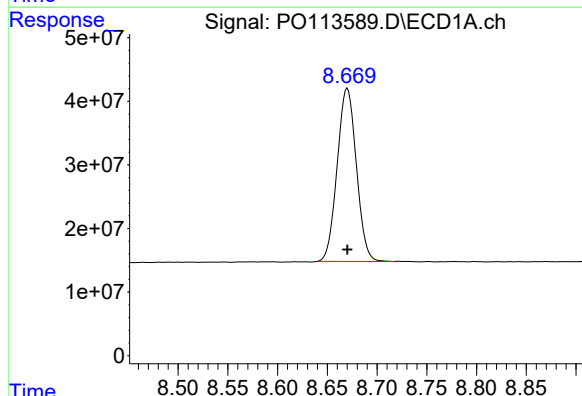
R.T.: 3.658 min
Delta R.T.: 0.000 min
Response: 477163940
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



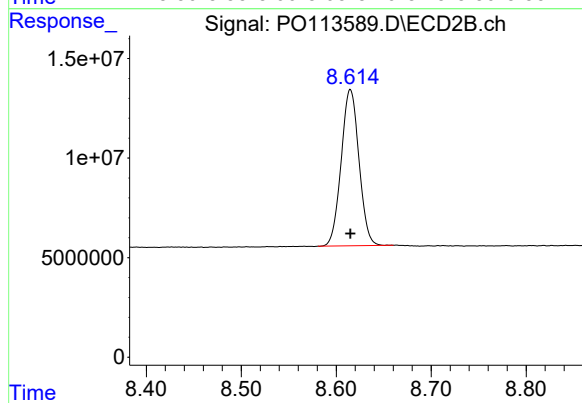
#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: 0.000 min
Response: 280172760
Conc: 50.00 ng/ml



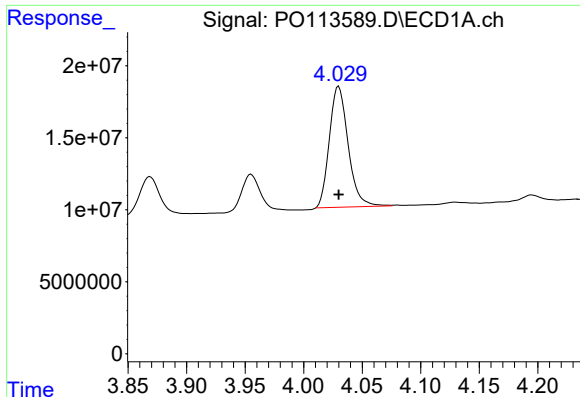
#2 Decachlorobiphenyl

R.T.: 8.670 min
Delta R.T.: 0.000 min
Response: 365165908
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

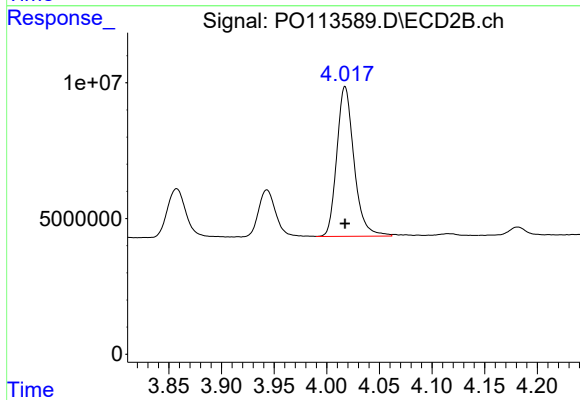
R.T.: 8.615 min
Delta R.T.: 0.000 min
Response: 102178189
Conc: 50.00 ng/ml



#11 AR-1232-1

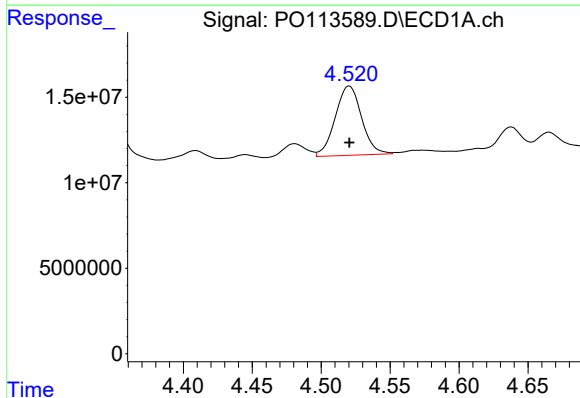
R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 93801691
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



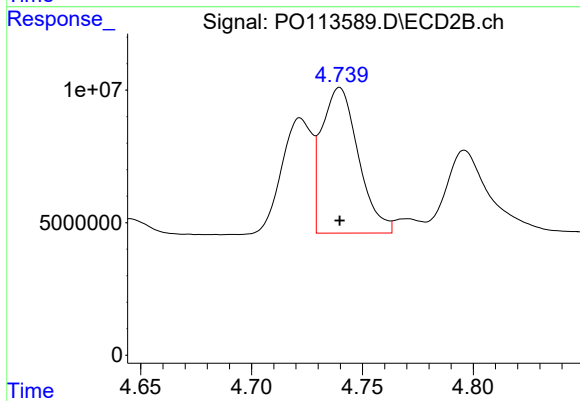
#11 AR-1232-1

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 63003661
Conc: 500.00 ng/ml



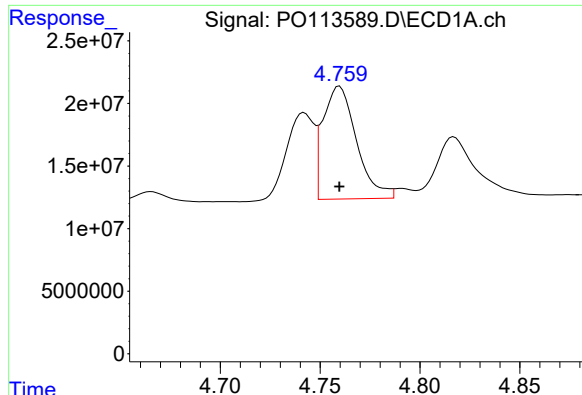
#12 AR-1232-2

R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 54103319
Conc: 500.00 ng/ml



#12 AR-1232-2

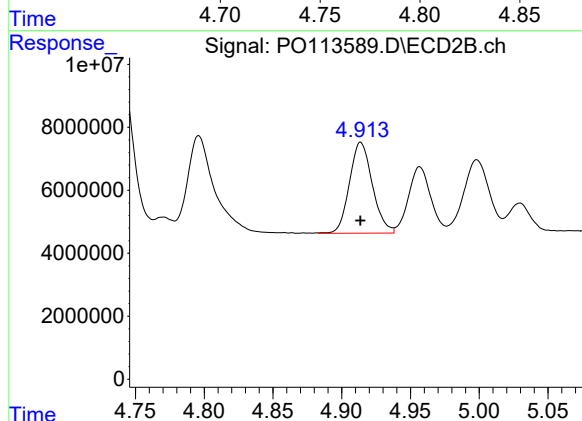
R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 63207117
Conc: 500.00 ng/ml



#13 AR-1232-3

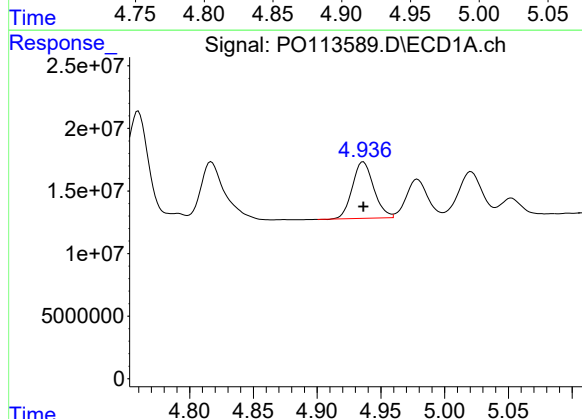
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 105475321
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



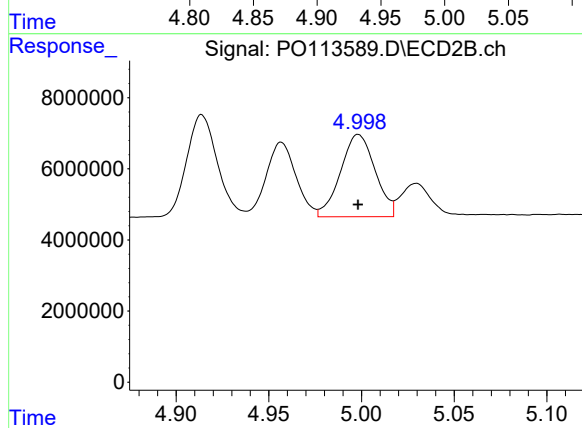
#13 AR-1232-3

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 33473374
Conc: 500.00 ng/ml



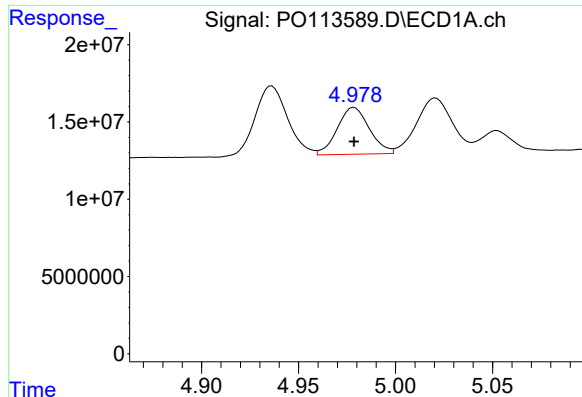
#14 AR-1232-4

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 52856837
Conc: 500.00 ng/ml



#14 AR-1232-4

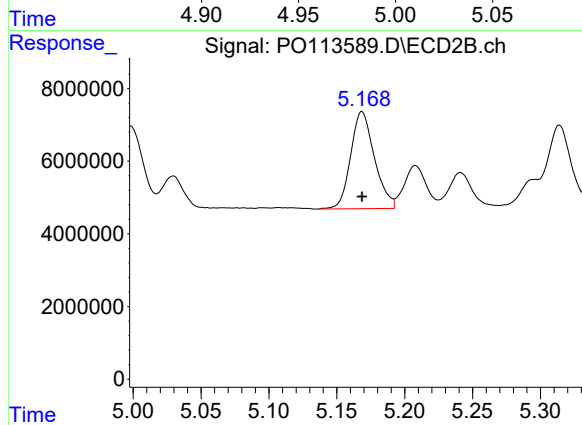
R.T.: 4.998 min
Delta R.T.: 0.000 min
Response: 30062186
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 34954629
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 32616325
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : P0113590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 21:27
 Operator : YP/AJ
 Sample : AR1232ICC250
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 14:53:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 14:41:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.659	3.650	240.6E6	141.1E6	25.534	25.612
2) SA Decachlor...	8.669	8.614	182.4E6	52268898	25.339	25.986
Target Compounds						
11) L3 AR-1232-1	4.031	4.018	48540887	33040511	261.095	267.846
12) L3 AR-1232-2	4.521	4.740	27915316	33503984	261.332	267.382
13) L3 AR-1232-3	4.761	4.915	53426622	17722508	257.281	268.118
14) L3 AR-1232-4	4.936	4.999	26636398	15956354	256.589m	270.815
15) L3 AR-1232-5	4.979	5.169	18150369	17200967	261.578	270.642

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 21:27
Operator : YP/AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

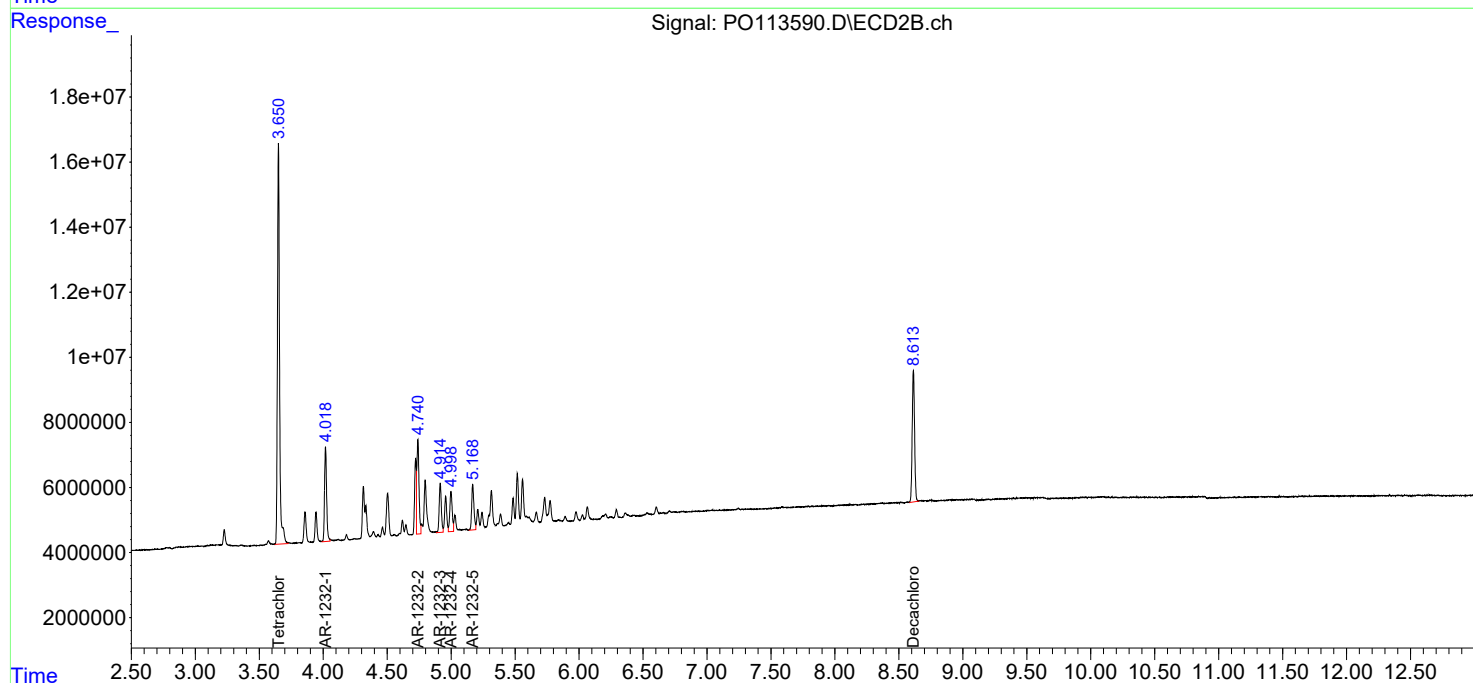
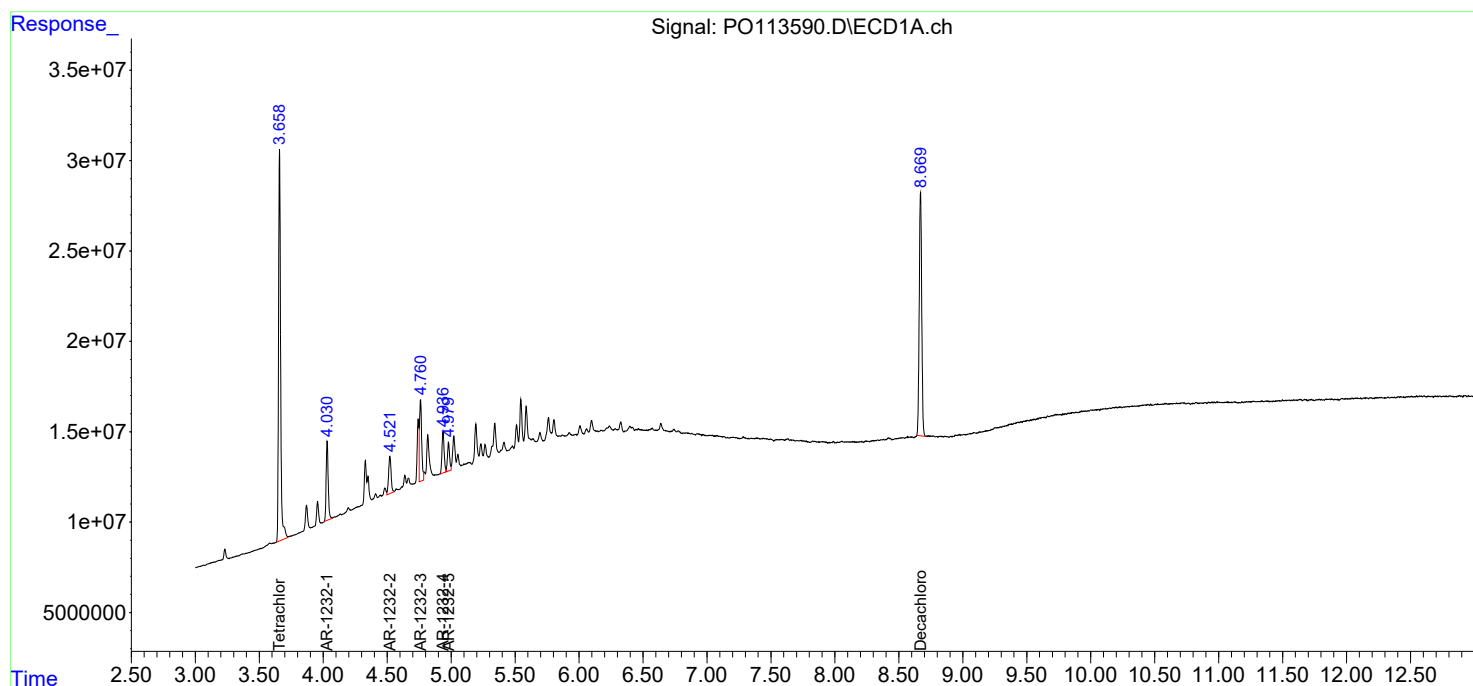
Instrument :
ECD_O
ClientSampleId :
AR1232ICC250

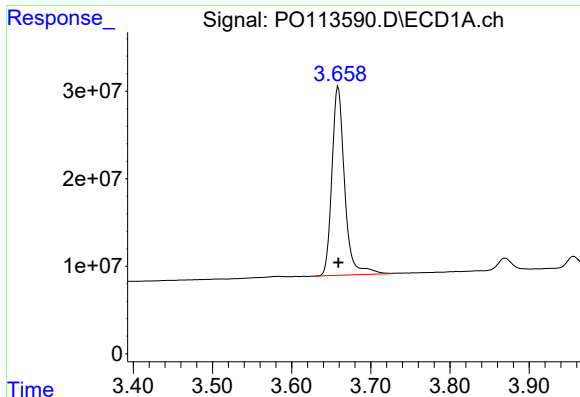
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 14:53:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:41:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

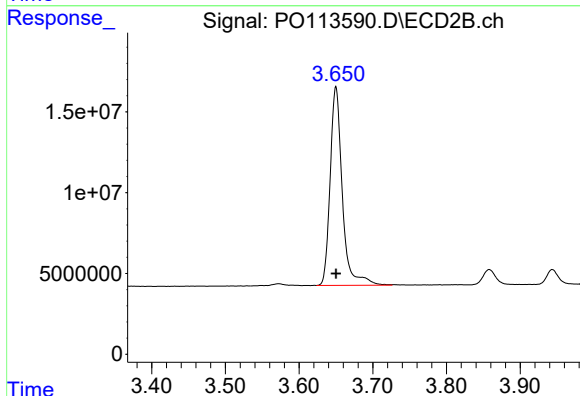
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 240643381
Conc: 25.53 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1232ICC250

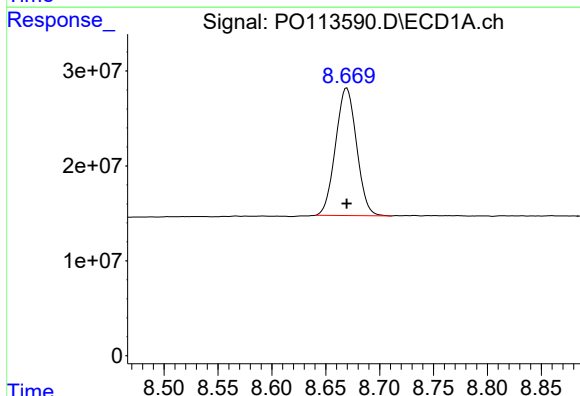
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



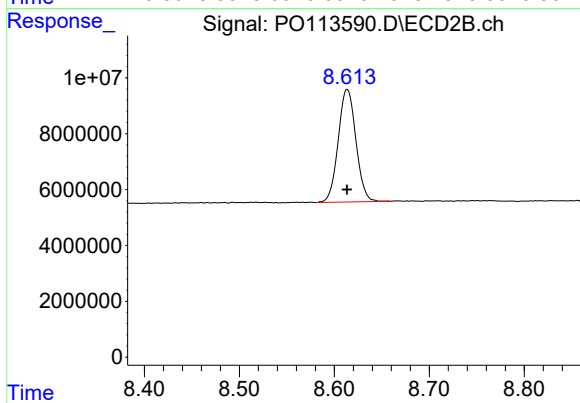
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: 0.000 min
Response: 141143610
Conc: 25.61 ng/ml



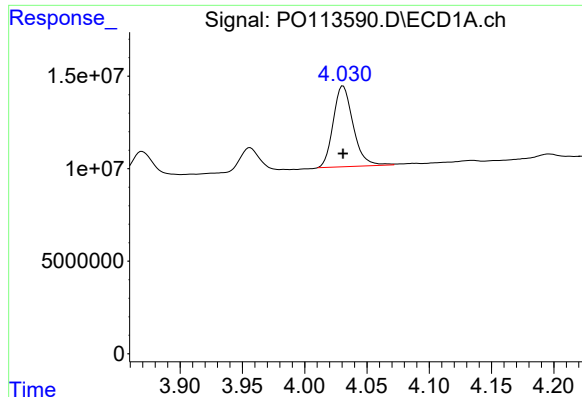
#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 182355367
Conc: 25.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.614 min
Delta R.T.: 0.000 min
Response: 52268898
Conc: 25.99 ng/ml



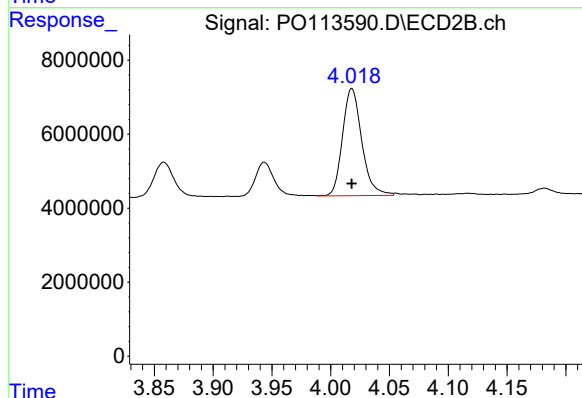
#11 AR-1232-1

R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 48540887
Conc: 261.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC250

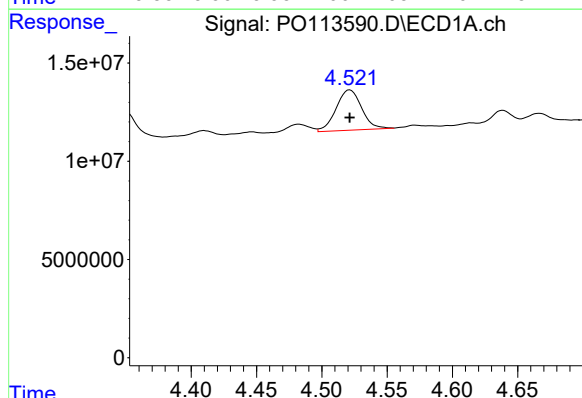
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



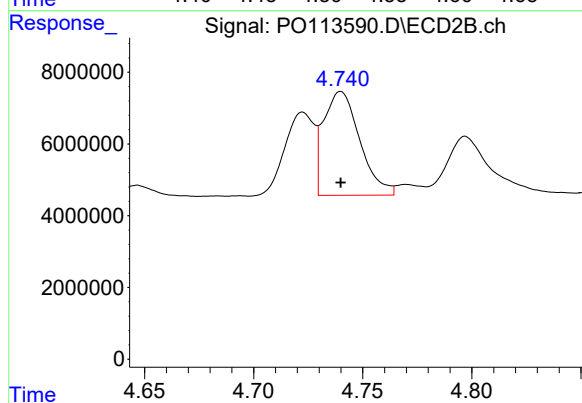
#11 AR-1232-1

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 33040511
Conc: 267.85 ng/ml



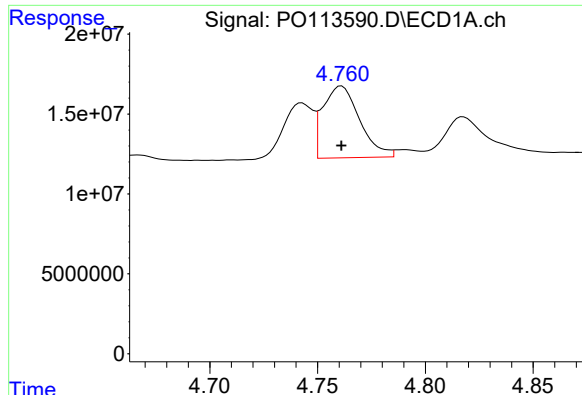
#12 AR-1232-2

R.T.: 4.521 min
Delta R.T.: 0.000 min
Response: 27915316
Conc: 261.33 ng/ml



#12 AR-1232-2

R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 33503984
Conc: 267.38 ng/ml



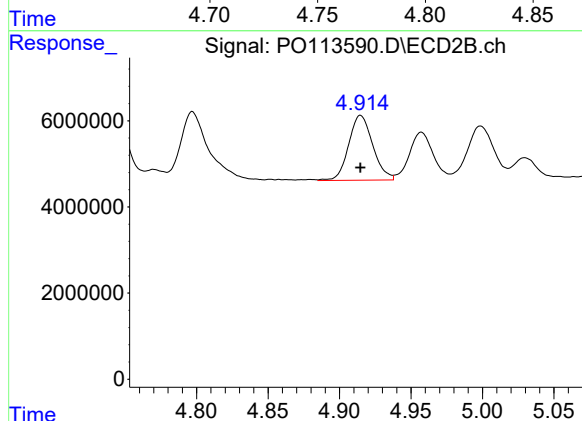
#13 AR-1232-3

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 53426622
Conc: 257.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC250

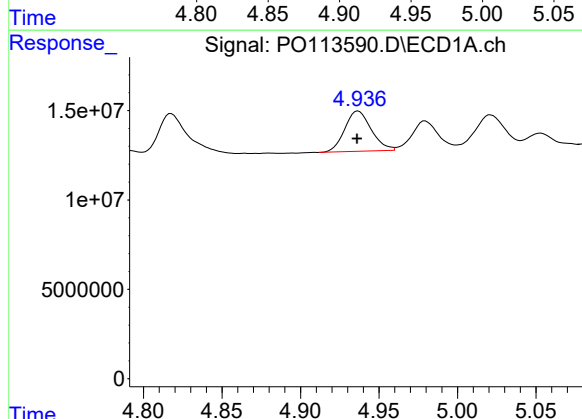
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



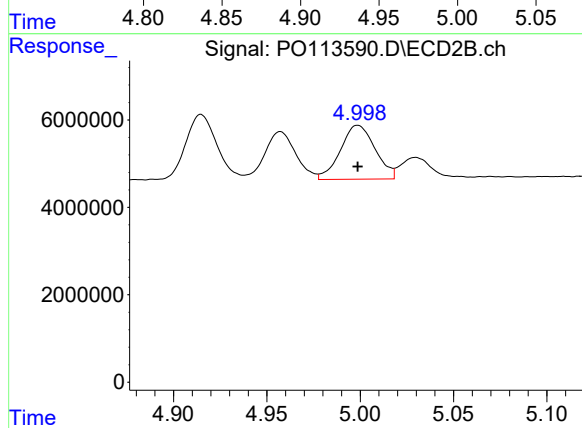
#13 AR-1232-3

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 17722508
Conc: 268.12 ng/ml



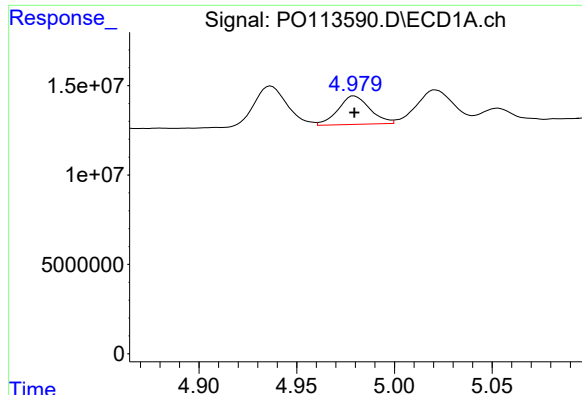
#14 AR-1232-4

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 26636398
Conc: 256.59 ng/ml m



#14 AR-1232-4

R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 15956354
Conc: 270.82 ng/ml



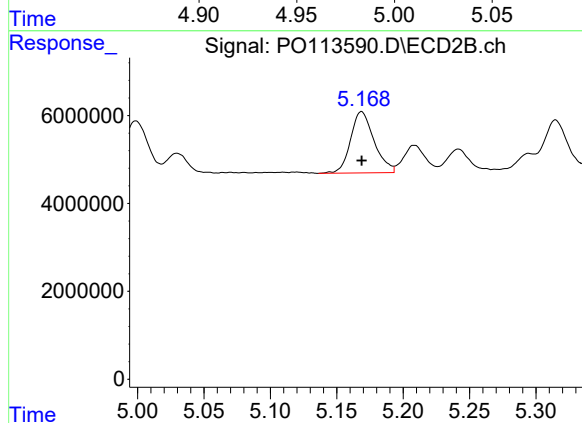
#15 AR-1232-5

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 18150369
Conc: 261.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



#15 AR-1232-5

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 17200967
Conc: 270.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\P0090925\
 Data File : P0113591.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 21:46
 Operator : YP/AJ
 Sample : AR1232ICC050
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1232ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 14:58:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 14:41:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.659	3.650	35719012	21575511	3.983	4.093
2) SA Decachlor...	8.671	8.615	28494684	8202780	4.131	4.234
Target Compounds						
11) L3 AR-1232-1	4.032	4.018	7699212	5561956	42.886	45.992
12) L3 AR-1232-2	4.523	4.740	5615385	5451655	52.034	44.667
13) L3 AR-1232-3	4.762	4.914	7817127	3319042	39.601	50.170 #
14) L3 AR-1232-4	4.938	4.999	3806309	3198179	38.979m	53.367 #
15) L3 AR-1232-5	4.981	5.169	2567933	4192809	39.037	62.009 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 21:46
Operator : YP/AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

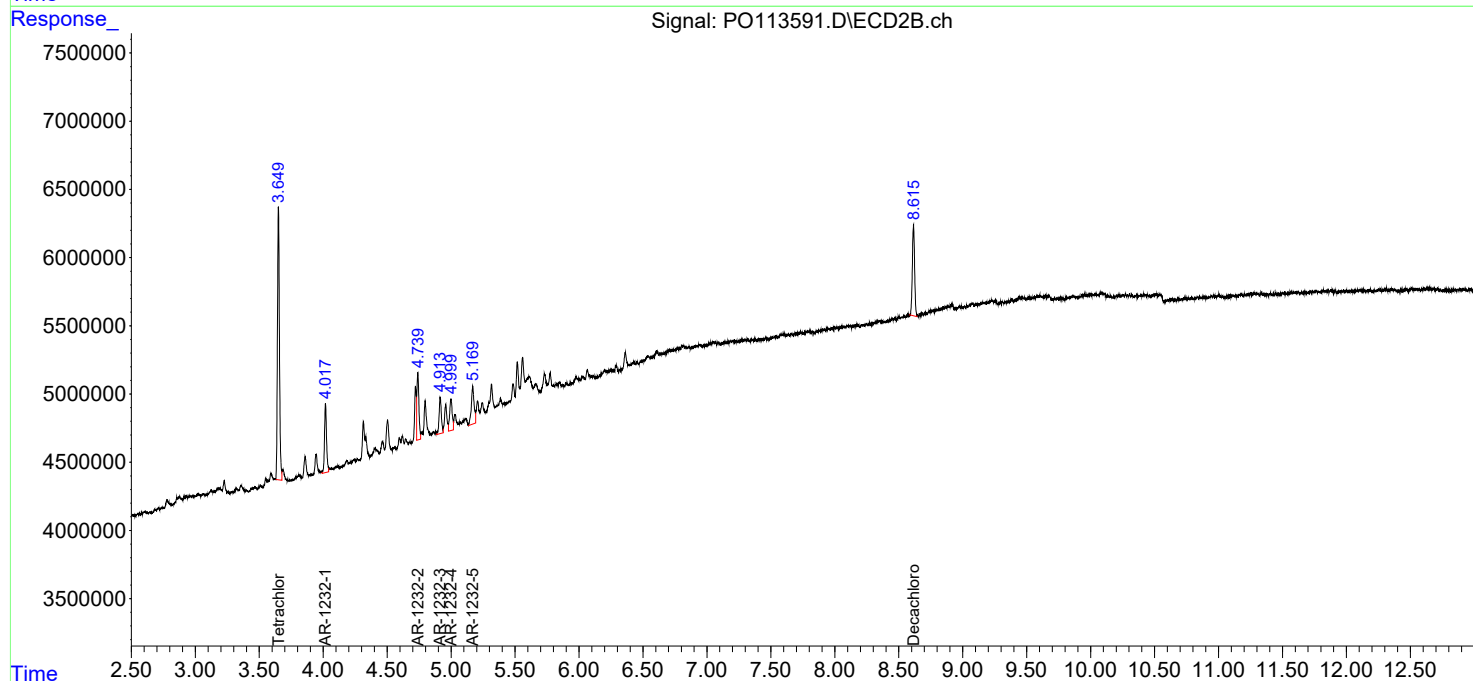
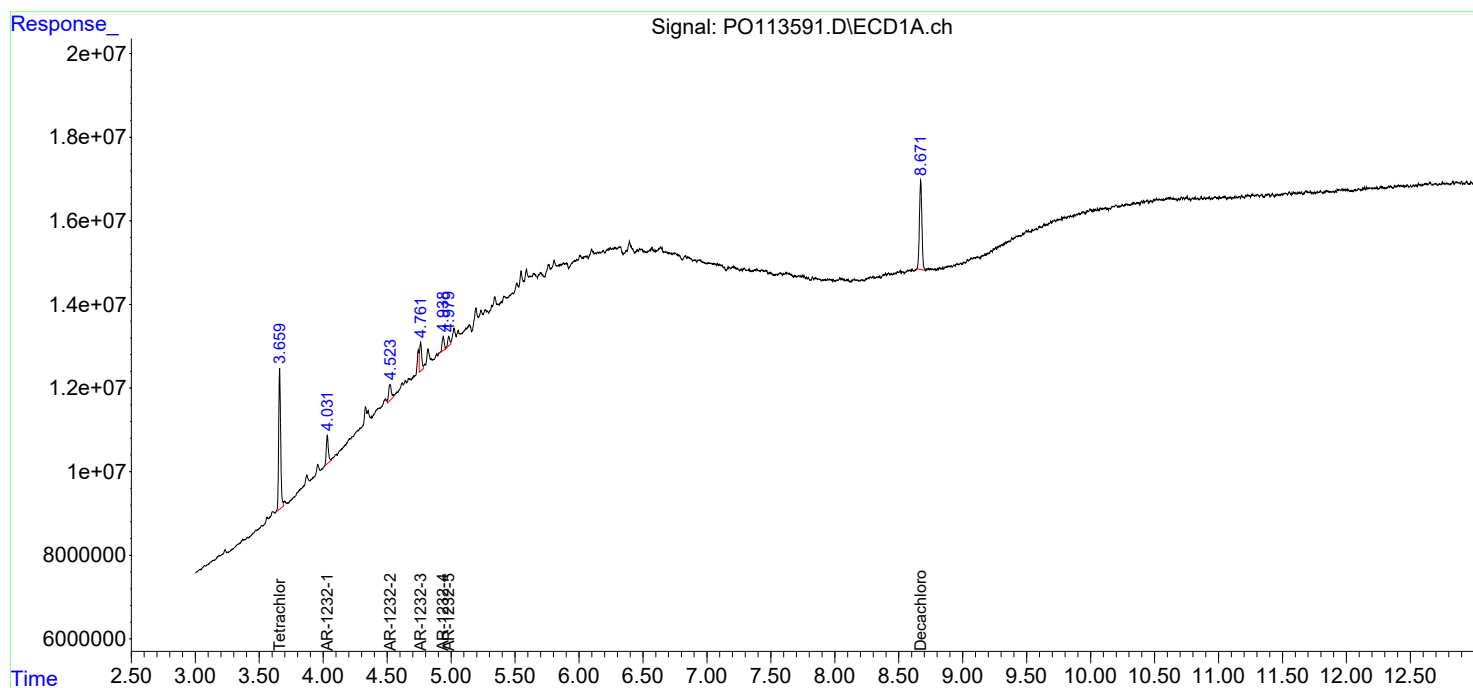
Instrument :
ECD_O
ClientSampleId :
AR1232ICC050

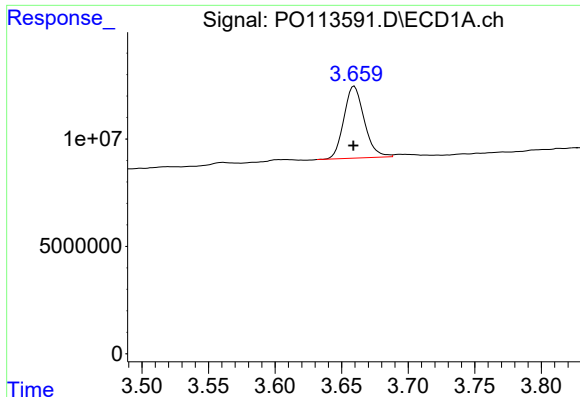
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 14:58:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:41:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

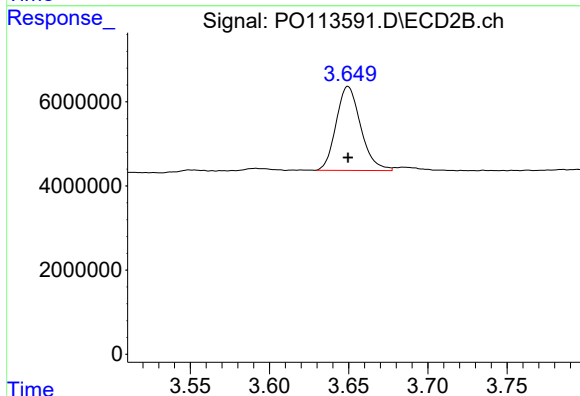
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 35719012
Conc: 3.98 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1232ICC050

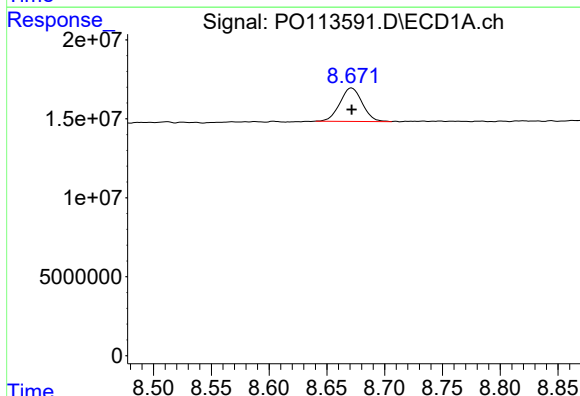
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



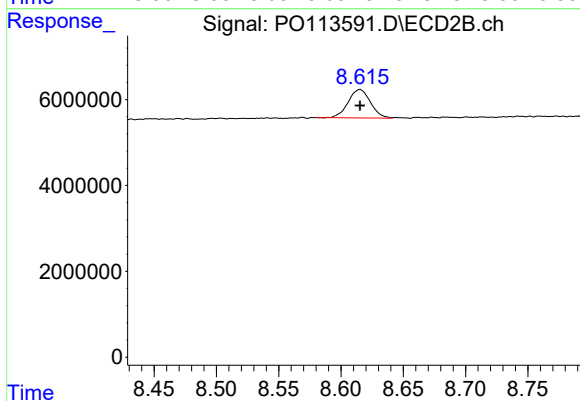
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: 0.000 min
Response: 21575511
Conc: 4.09 ng/ml



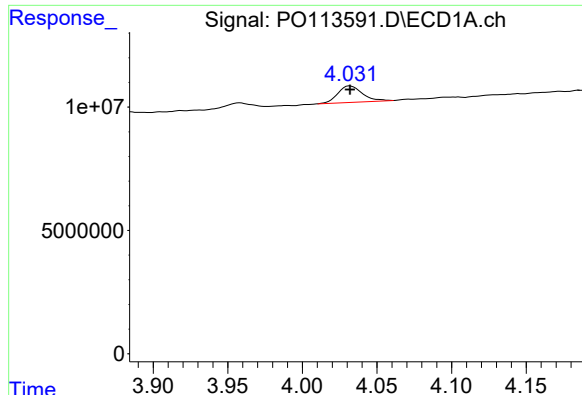
#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 28494684
Conc: 4.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.615 min
Delta R.T.: 0.000 min
Response: 8202780
Conc: 4.23 ng/ml



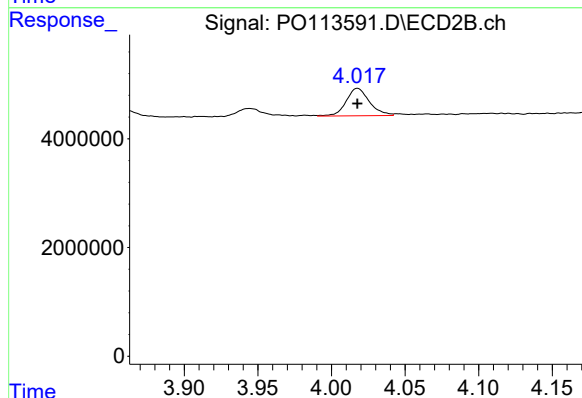
#11 AR-1232-1

R.T.: 4.032 min
Delta R.T.: 0.000 min
Response: 7699212
Conc: 42.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC050

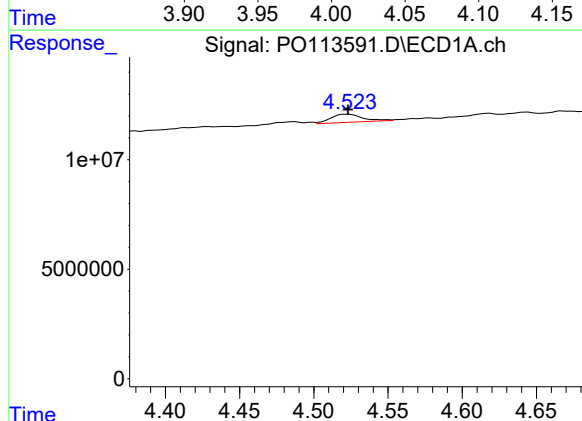
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



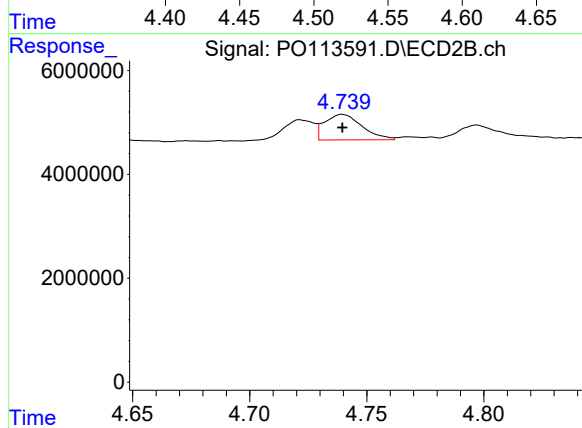
#11 AR-1232-1

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 5561956
Conc: 45.99 ng/ml



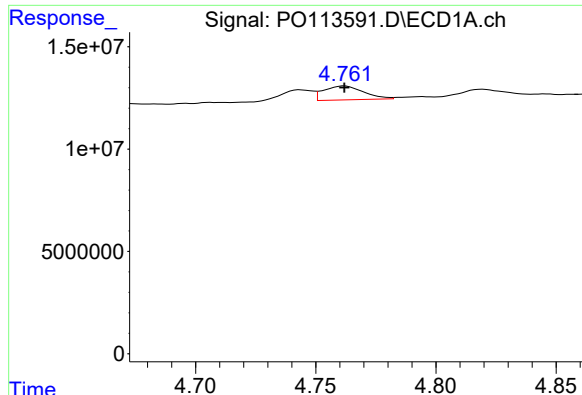
#12 AR-1232-2

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 5615385
Conc: 52.03 ng/ml



#12 AR-1232-2

R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 5451655
Conc: 44.67 ng/ml



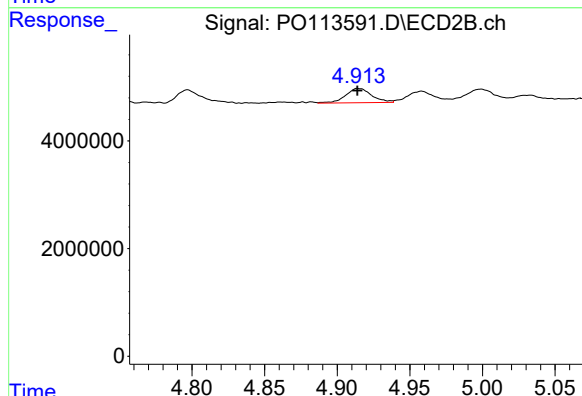
#13 AR-1232-3

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 7817127
Conc: 39.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC050

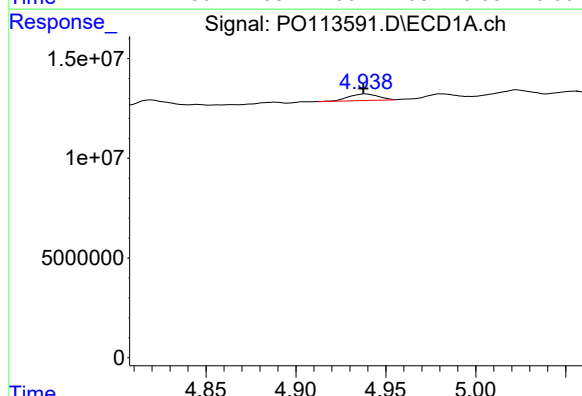
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



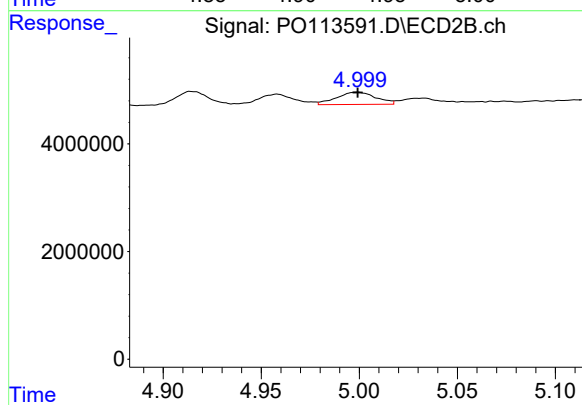
#13 AR-1232-3

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 3319042
Conc: 50.17 ng/ml



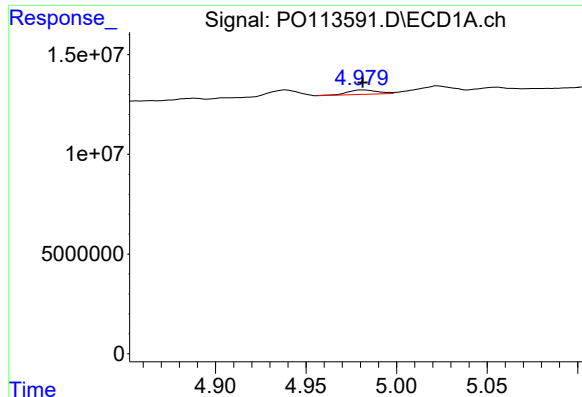
#14 AR-1232-4

R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 3806309
Conc: 38.98 ng/ml m



#14 AR-1232-4

R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 3198179
Conc: 53.37 ng/ml



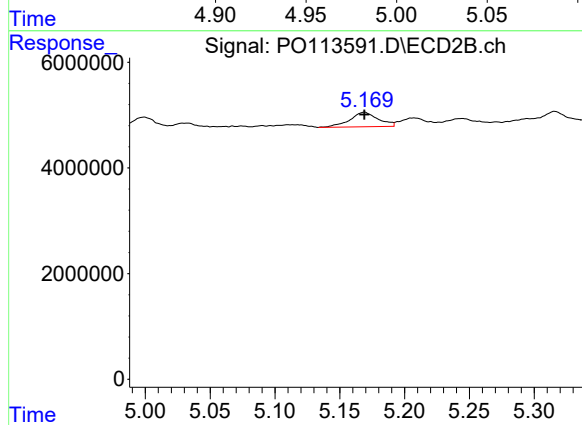
#15 AR-1232-5

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 2567933
Conc: 39.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



#15 AR-1232-5

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 4192809
Conc: 62.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : P0113592.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 22:04
 Operator : YP/AJ
 Sample : AR1232ICV500
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090925AR1232

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 15:00:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 14:59:57 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...	3.659	3.650	448.3E6	261.4E6	49.992	49.579
2) SA Decachlor...	8.671	8.615	356.6E6	100.9E6	51.707	52.092
Target Compounds						
11) L3 AR-1232-1	4.031	4.018	89600674	60173426	499.093	497.577
12) L3 AR-1232-2	4.521	4.740	51742619	60440951	479.466	495.216
13) L3 AR-1232-3	4.761	4.915	99912708	31651360	506.155	478.435
14) L3 AR-1232-4	4.937	4.999	48321019	28367953	491.600	473.363
15) L3 AR-1232-5	4.980	5.169	32920130	31355523	500.441	463.729

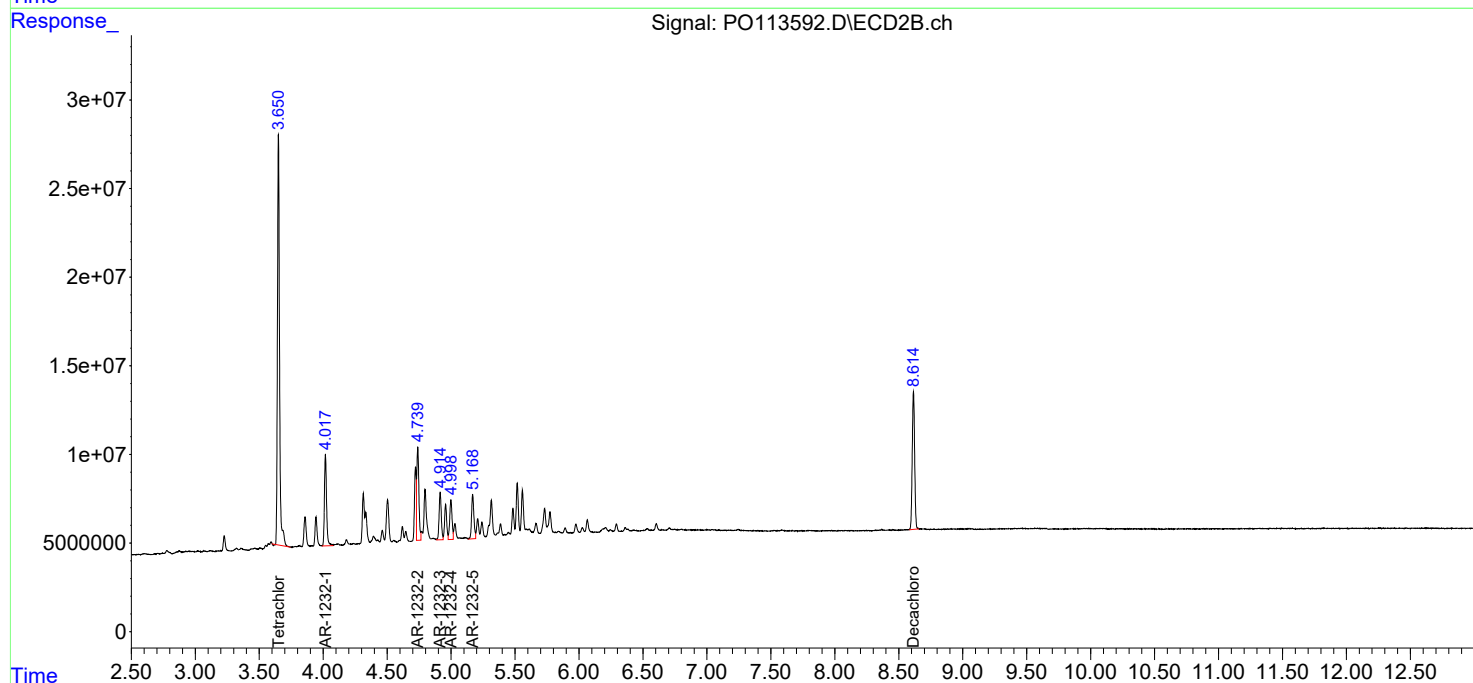
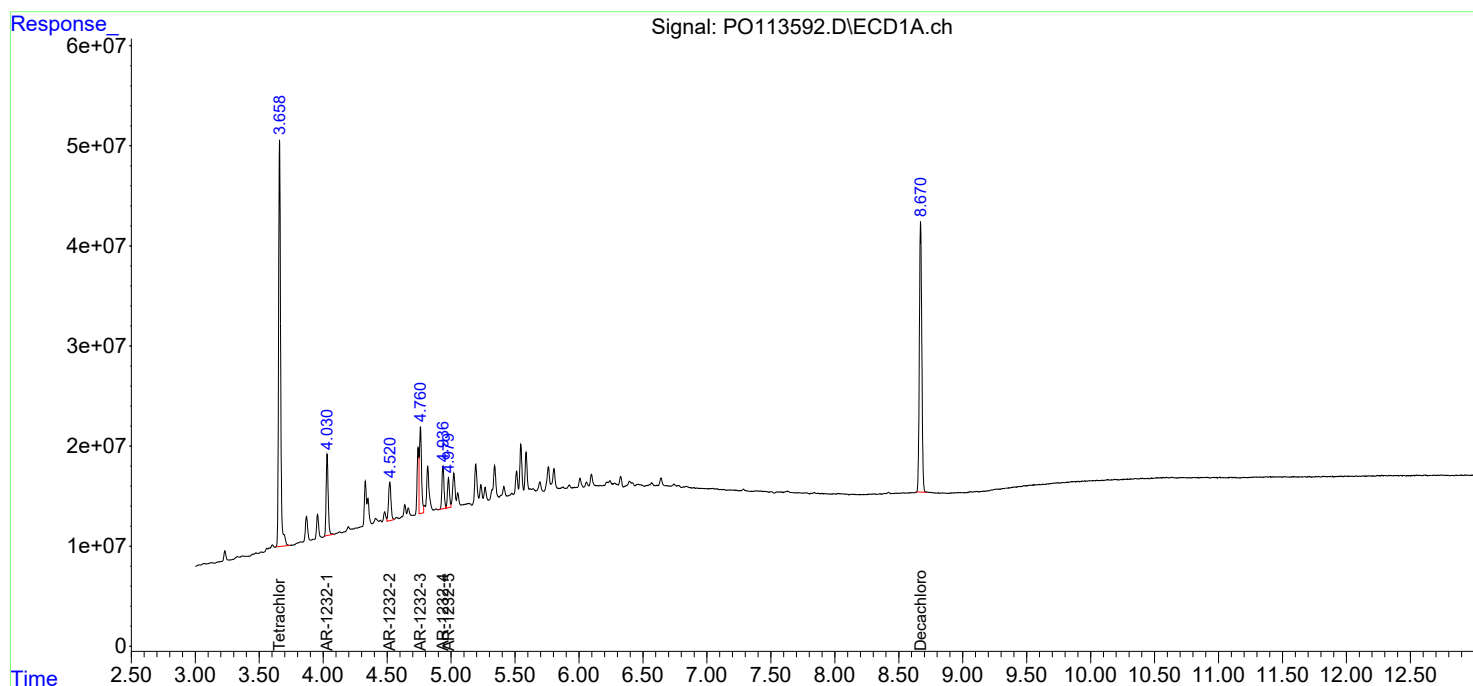
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

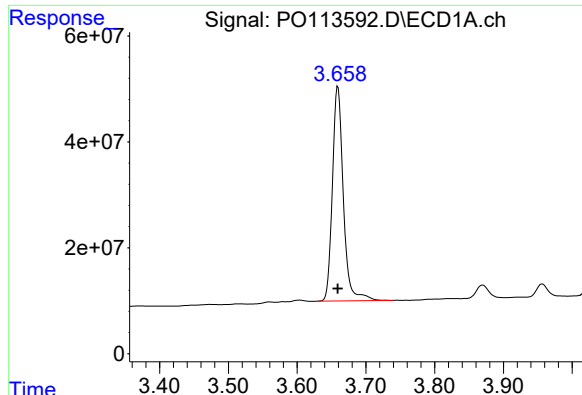
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 22:04
Operator : YP/AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:00:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:59:57 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

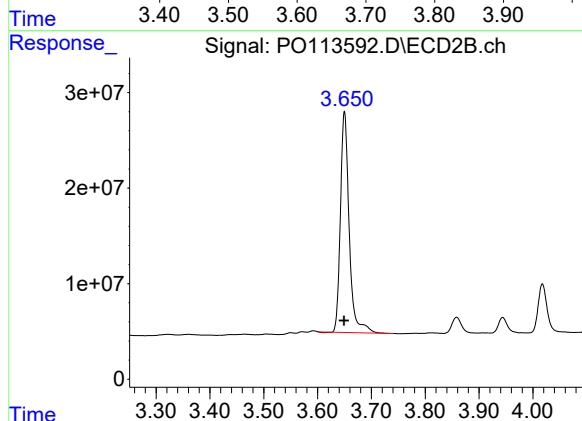




#1 Tetrachloro-m-xylene

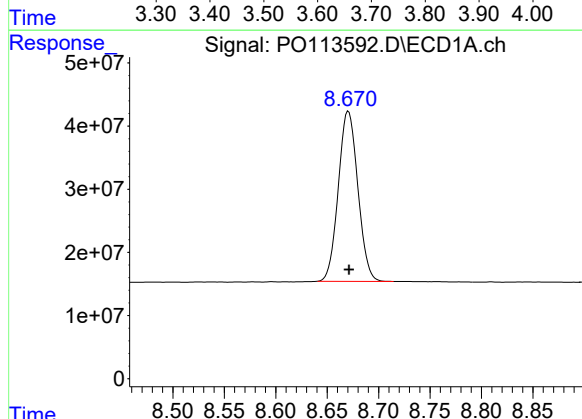
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 448345519
Conc: 49.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO090925AR1232



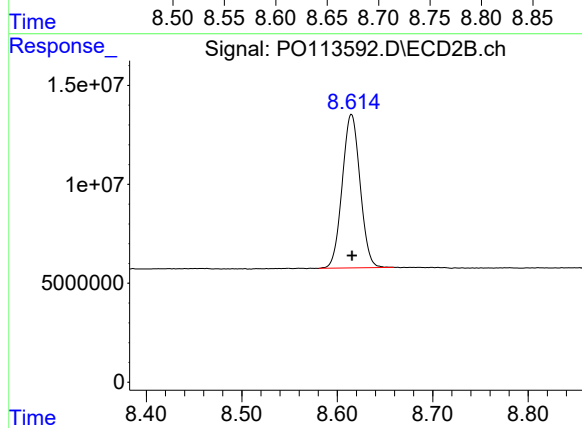
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: 0.000 min
Response: 261364641
Conc: 49.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 356622049
Conc: 51.71 ng/ml



#2 Decachlorobiphenyl

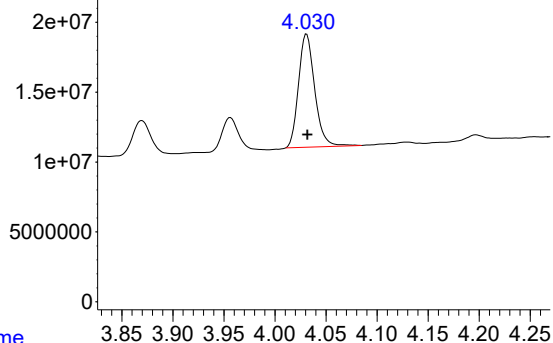
R.T.: 8.615 min
Delta R.T.: 0.000 min
Response: 100915515
Conc: 52.09 ng/ml

Response_

Signal: PO113592.D\ECD1A.ch

#11 AR-1232-1

ICAL Form



R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 89600674
Conc: 499.09 ng/ml

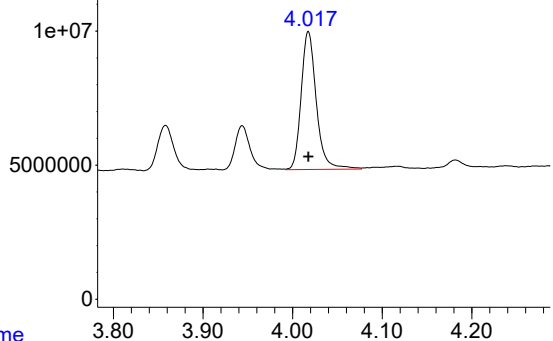
Instrument :
ECD_O
ClientSampleId :
ICVPO090925AR1232

Time

Response_

Signal: PO113592.D\ECD2B.ch

#11 AR-1232-1



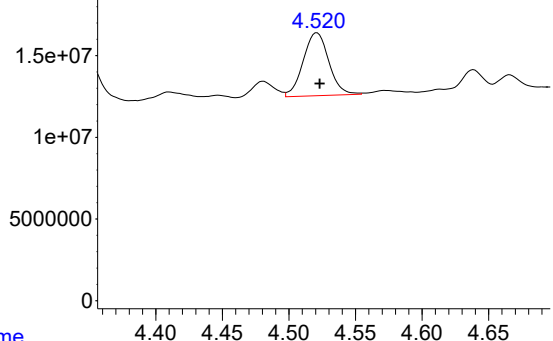
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 60173426
Conc: 497.58 ng/ml

Time

Response_

Signal: PO113592.D\ECD1A.ch

#12 AR-1232-2



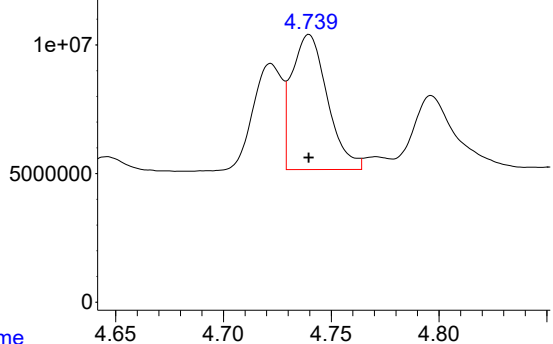
R.T.: 4.521 min
Delta R.T.: -0.002 min
Response: 51742619
Conc: 479.47 ng/ml

Time

Response_

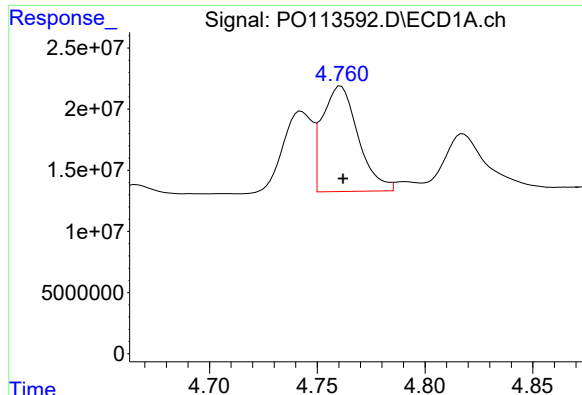
Signal: PO113592.D\ECD2B.ch

#12 AR-1232-2



R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 60440951
Conc: 495.22 ng/ml

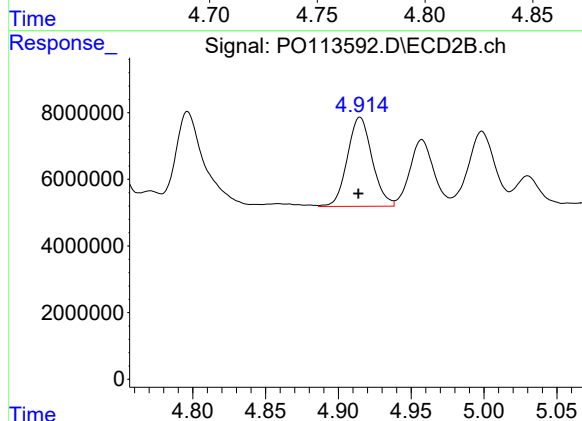
Time



#13 AR-1232-3

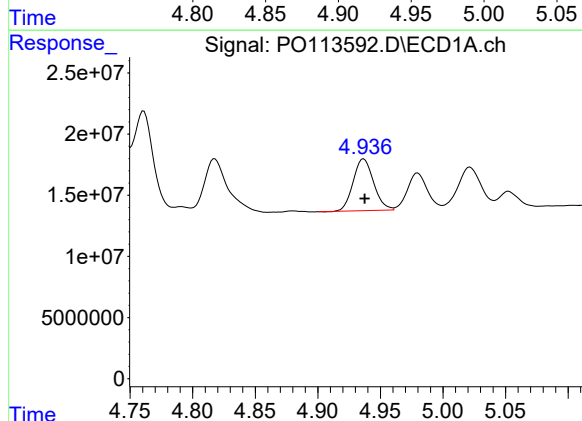
R.T.: 4.761 min
Delta R.T.: -0.001 min
Response: 99912708
Conc: 506.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO090925AR1232



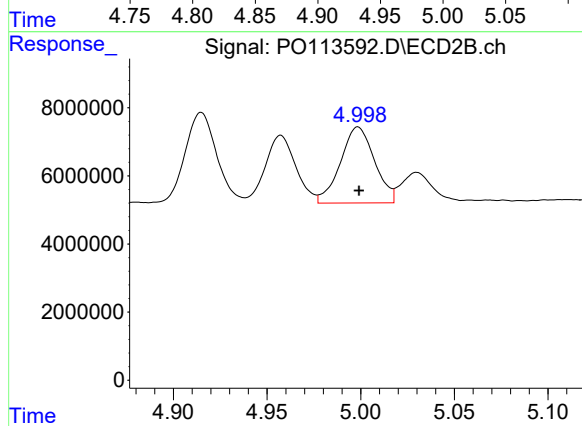
#13 AR-1232-3

R.T.: 4.915 min
Delta R.T.: 0.001 min
Response: 31651360
Conc: 478.44 ng/ml



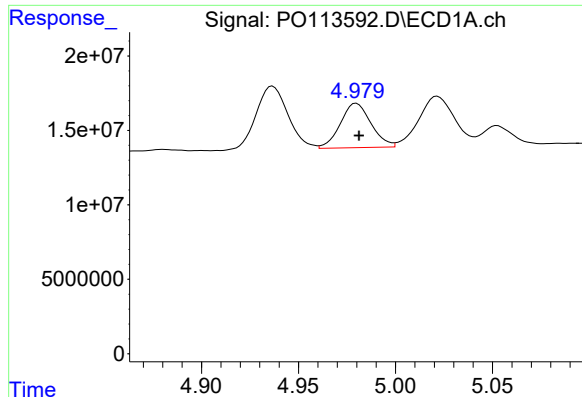
#14 AR-1232-4

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 48321019
Conc: 491.60 ng/ml



#14 AR-1232-4

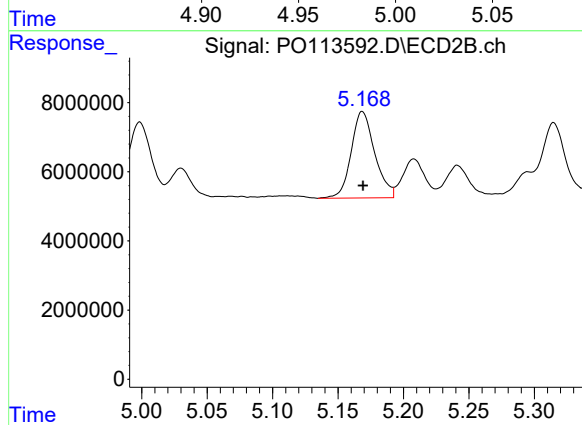
R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 28367953
Conc: 473.36 ng/ml



#15 AR-1232-5

R.T.: 4.980 min
Delta R.T.: -0.001 min
Response: 32920130
Conc: 500.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO090925AR1232



#15 AR-1232-5

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 31355523
Conc: 463.73 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 11:29

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.01
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.78	6.79	6.69	6.89	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 11:29

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-3	(3)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-4	(4)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.02
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.61	8.63	8.53	8.73	0.02



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113568.D **Time Analyzed:** 11:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.742	4.648	4.848	533.910	500.000	6.8
Aroclor-1016-2	4.760	4.666	4.866	542.900	500.000	8.6
Aroclor-1016-3	4.817	4.724	4.924	540.010	500.000	8.0
Aroclor-1016-4	4.935	4.843	5.043	509.940	500.000	2.0
Aroclor-1016-5	5.192	5.099	5.299	542.130	500.000	8.4
Aroclor-1260-1	6.227	6.136	6.336	534.580	500.000	6.9
Aroclor-1260-2	6.418	6.326	6.526	536.840	500.000	7.4
Aroclor-1260-3	6.782	6.691	6.891	551.850	500.000	10.4
Aroclor-1260-4	7.041	6.951	7.151	543.830	500.000	8.8
Aroclor-1260-5	7.284	7.194	7.394	540.000	500.000	8.0
Decachlorobiphenyl	8.669	8.582	8.782	50.110	50.000	0.2
Tetrachloro-m-xylene	3.658	3.563	3.763	56.250	50.000	12.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113568.D **Time Analyzed:** 11:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.722	4.629	4.829	497.870	500.000	-0.4
Aroclor-1016-2	4.739	4.647	4.847	513.360	500.000	2.7
Aroclor-1016-3	4.914	4.822	5.022	464.210	500.000	-7.2
Aroclor-1016-4	4.957	4.864	5.064	461.890	500.000	-7.6
Aroclor-1016-5	5.168	5.076	5.276	525.760	500.000	5.2
Aroclor-1260-1	6.195	6.104	6.304	478.190	500.000	-4.4
Aroclor-1260-2	6.383	6.292	6.492	461.890	500.000	-7.6
Aroclor-1260-3	6.534	6.443	6.643	442.080	500.000	-11.6
Aroclor-1260-4	7.002	6.912	7.112	454.990	500.000	-9.0
Aroclor-1260-5	7.245	7.155	7.355	445.410	500.000	-10.9
Decachlorobiphenyl	8.614	8.528	8.728	52.820	50.000	5.6
Tetrachloro-m-xylene	3.649	3.555	3.755	52.860	50.000	5.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090825\
 Data File : PO113568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 11:29
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 08 23:11:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.658	3.649	460.5E6	267.5E6	56.248	52.860m
2) SA Decachlor...	8.669	8.614	347.3E6	100.1E6	50.110	52.817
Target Compounds						
3) L1 AR-1016-1	4.742	4.722	142.5E6	84923522	533.906	497.870
4) L1 AR-1016-2	4.760	4.739	217.9E6	132.3E6	542.899	513.360
5) L1 AR-1016-3	4.817	4.914	137.7E6	64810256	540.007	464.209
6) L1 AR-1016-4	4.935	4.957	111.2E6	53901901	509.938m	461.889
7) L1 AR-1016-5	5.192	5.168	120.2E6	74936988	542.135	525.763
31) L7 AR-1260-1	6.227	6.195	238.4E6	122.0E6	534.577	478.189
32) L7 AR-1260-2	6.418	6.383	368.7E6	159.7E6	536.835	461.890
33) L7 AR-1260-3	6.782	6.534	340.8E6	131.5E6	551.853	442.080
34) L7 AR-1260-4	7.041	7.002	243.6E6	94296458	543.829	454.990
35) L7 AR-1260-5	7.284	7.245	653.8E6	208.6E6	539.998	445.409

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090825\
Data File : PO113568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 11:29
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

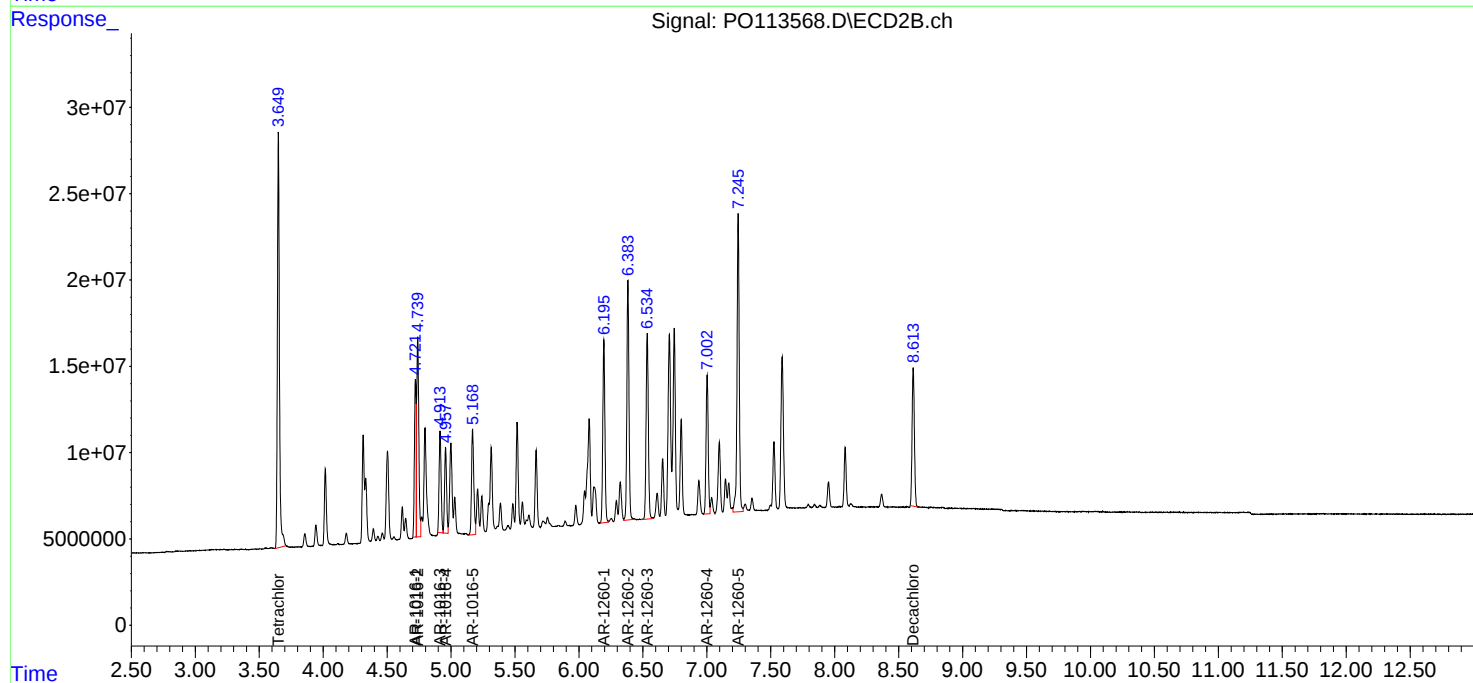
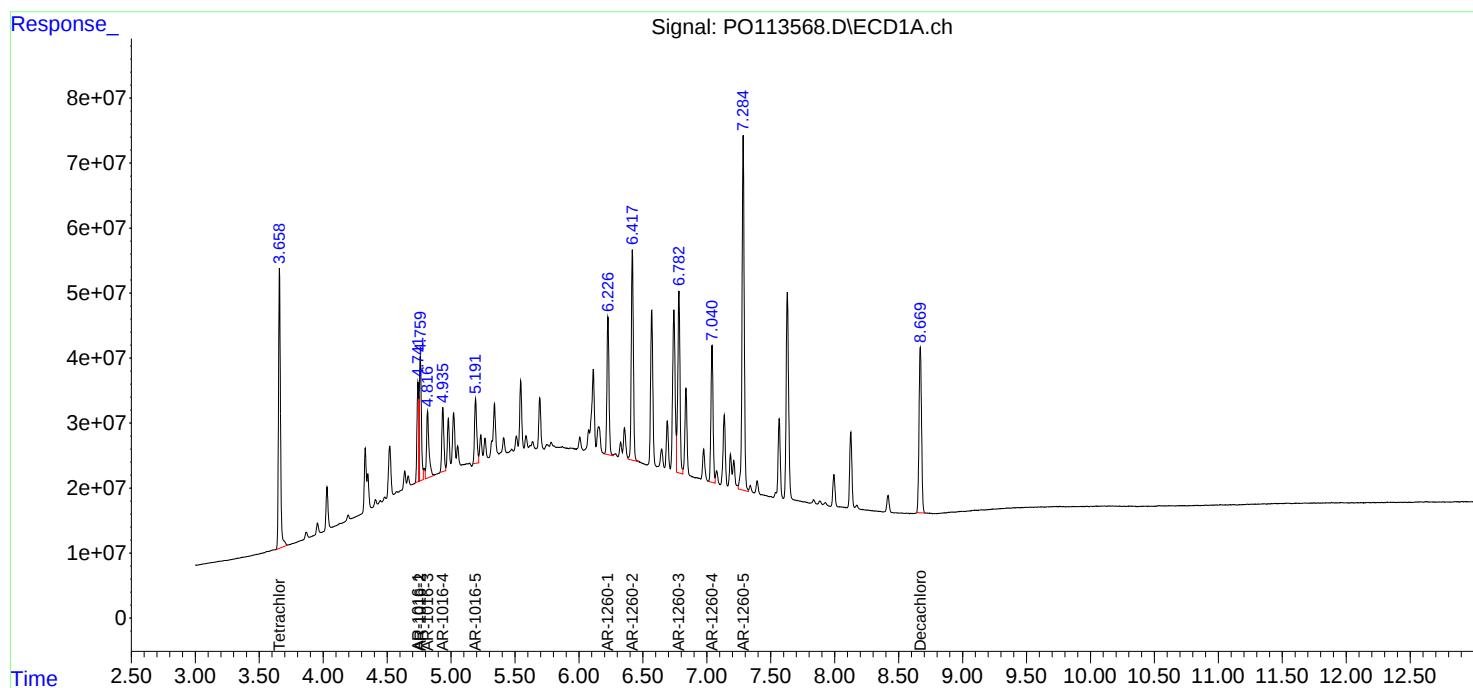
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

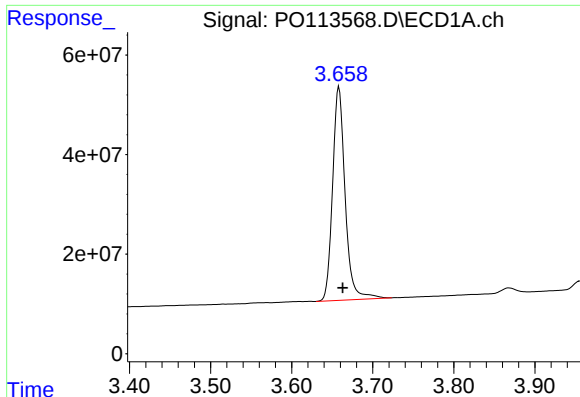
Manual Integrations
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Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:11:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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





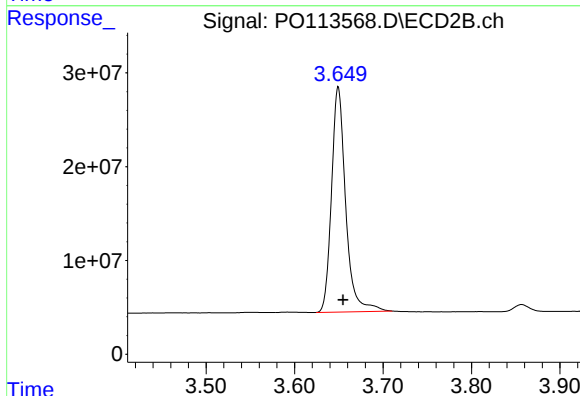
#1 Tetrachloro-m-xylene

R.T.: 3.658 min
Delta R.T.: -0.005 min
Response: 460478842
Conc: 56.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

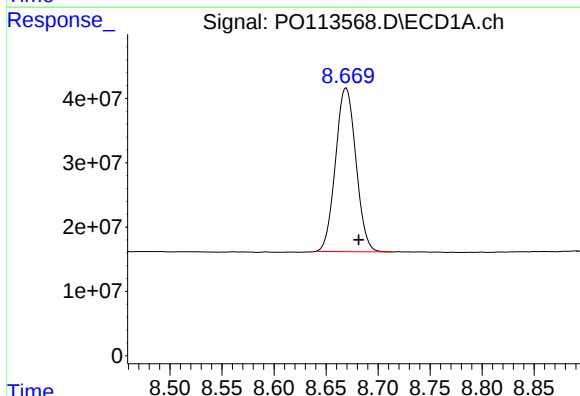
Manual Integrations
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Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



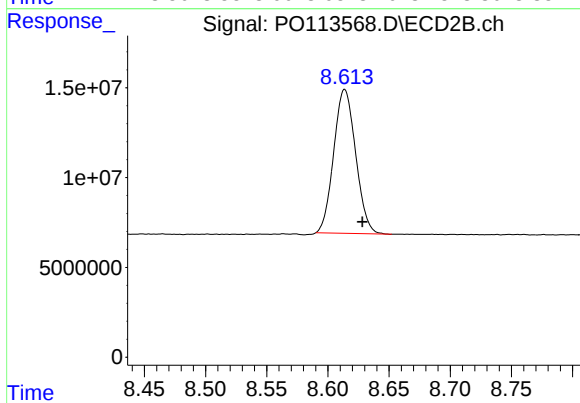
#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: -0.006 min
Response: 267505541
Conc: 52.86 ng/ml m



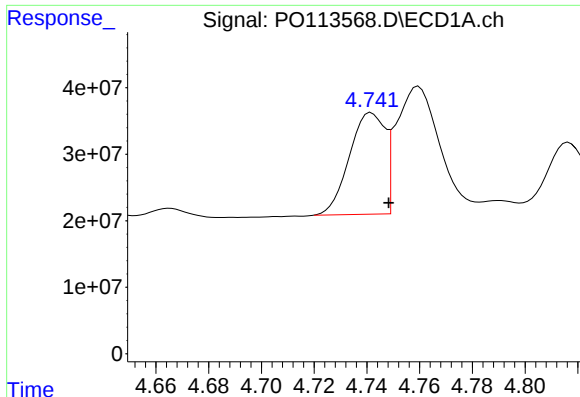
#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: -0.012 min
Response: 347335282
Conc: 50.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.614 min
Delta R.T.: -0.015 min
Response: 100080207
Conc: 52.82 ng/ml



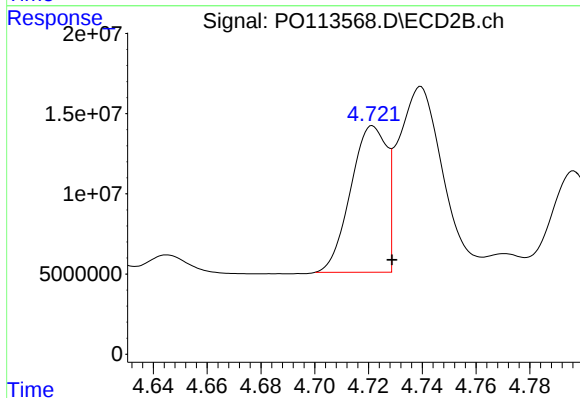
#3 AR-1016-1

R.T.: 4.742 min
 Delta R.T.: -0.007 min
 Response: 142544760
 Conc: 533.91 ng/ml

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

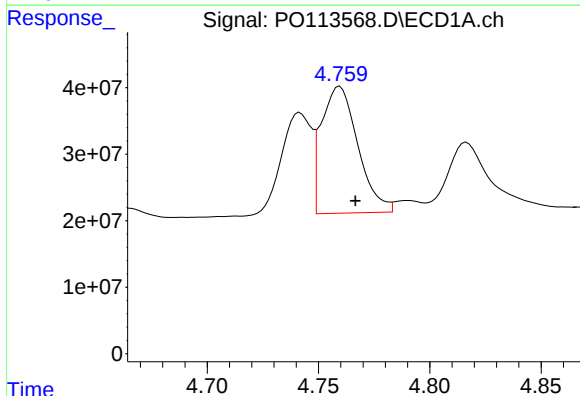
Manual Integrations
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 Supervised By :mohammad ahmed 09/10/2025



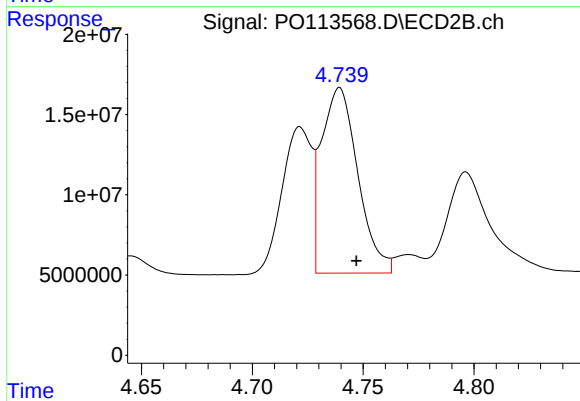
#3 AR-1016-1

R.T.: 4.722 min
 Delta R.T.: -0.007 min
 Response: 84923522
 Conc: 497.87 ng/ml



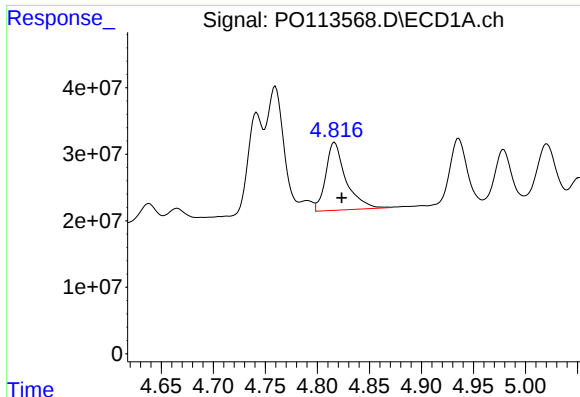
#4 AR-1016-2

R.T.: 4.760 min
 Delta R.T.: -0.007 min
 Response: 217936776
 Conc: 542.90 ng/ml



#4 AR-1016-2

R.T.: 4.739 min
 Delta R.T.: -0.008 min
 Response: 132270428
 Conc: 513.36 ng/ml



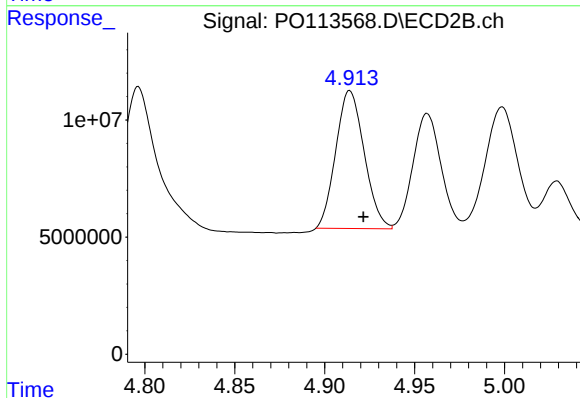
#5 AR-1016-3

R.T.: 4.817 min
Delta R.T.: -0.007 min
Response: 137713779
Conc: 540.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

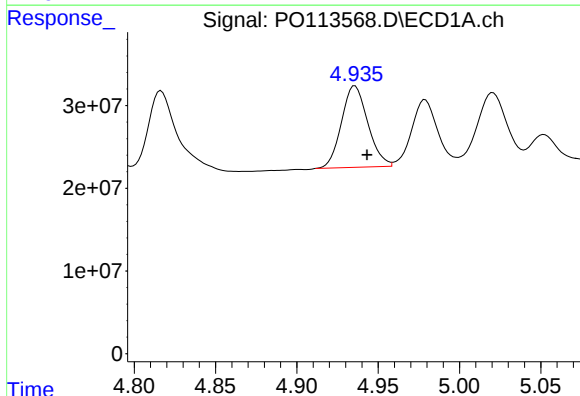
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



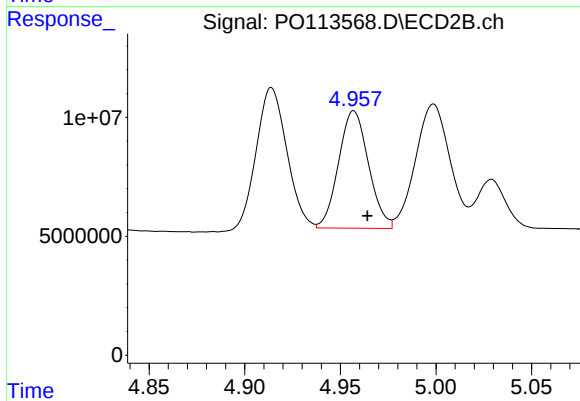
#5 AR-1016-3

R.T.: 4.914 min
Delta R.T.: -0.008 min
Response: 64810256
Conc: 464.21 ng/ml



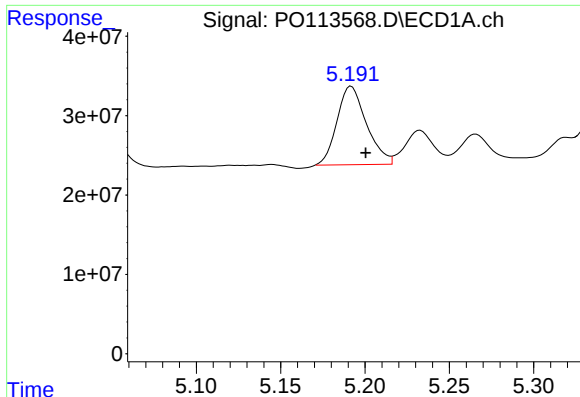
#6 AR-1016-4

R.T.: 4.935 min
Delta R.T.: -0.008 min
Response: 111201102
Conc: 509.94 ng/ml m



#6 AR-1016-4

R.T.: 4.957 min
Delta R.T.: -0.007 min
Response: 53901901
Conc: 461.89 ng/ml



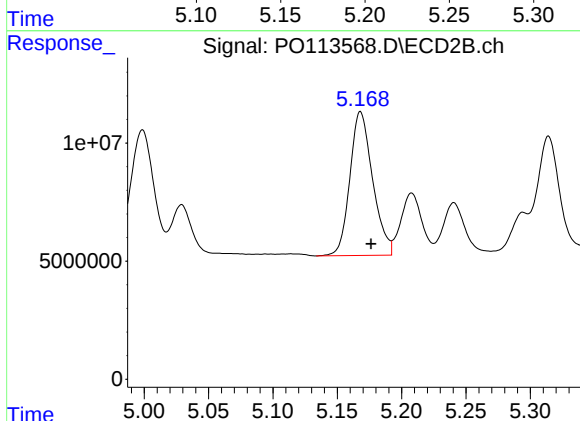
#7 AR-1016-5

R.T.: 5.192 min
Delta R.T.: -0.009 min
Response: 120152196
Conc: 542.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

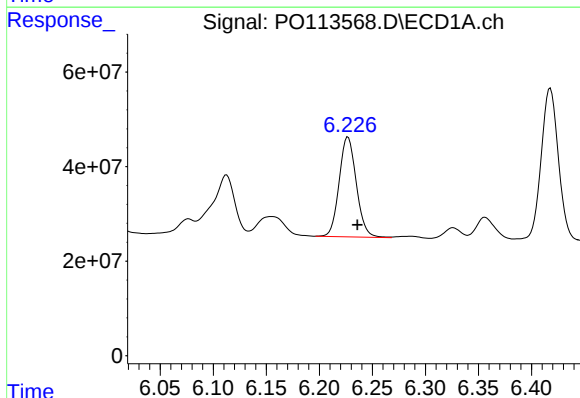
Manual Integrations
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Supervised By :mohammad ahmed 09/10/2025



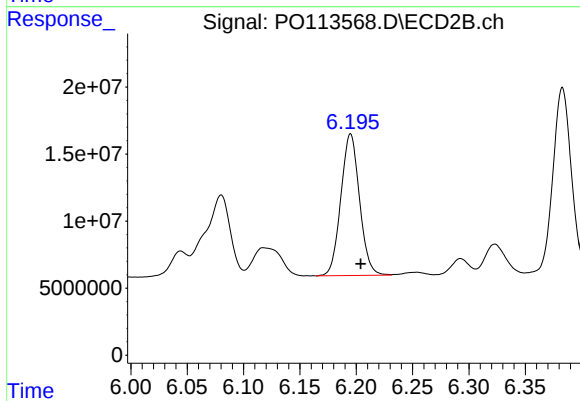
#7 AR-1016-5

R.T.: 5.168 min
Delta R.T.: -0.008 min
Response: 74936988
Conc: 525.76 ng/ml



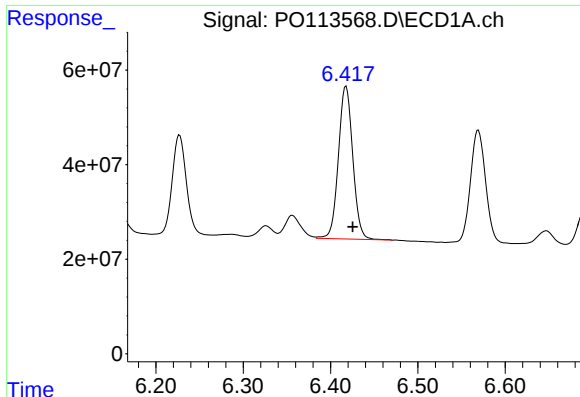
#31 AR-1260-1

R.T.: 6.227 min
Delta R.T.: -0.009 min
Response: 238410865
Conc: 534.58 ng/ml



#31 AR-1260-1

R.T.: 6.195 min
Delta R.T.: -0.009 min
Response: 121971169
Conc: 478.19 ng/ml



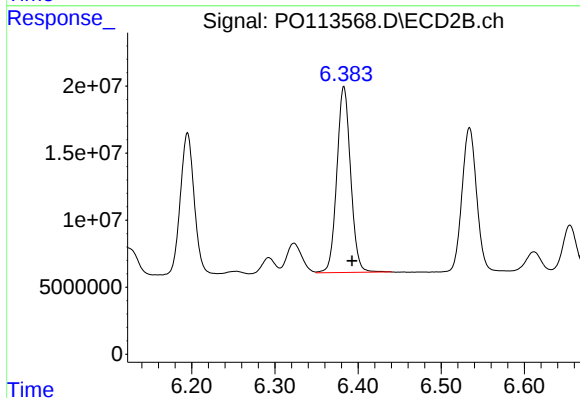
#32 AR-1260-2

R.T.: 6.418 min
Delta R.T.: -0.008 min
Response: 368656260
Conc: 536.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

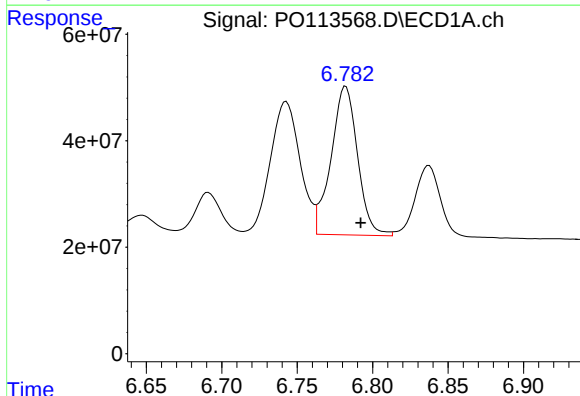
Manual Integrations
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Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



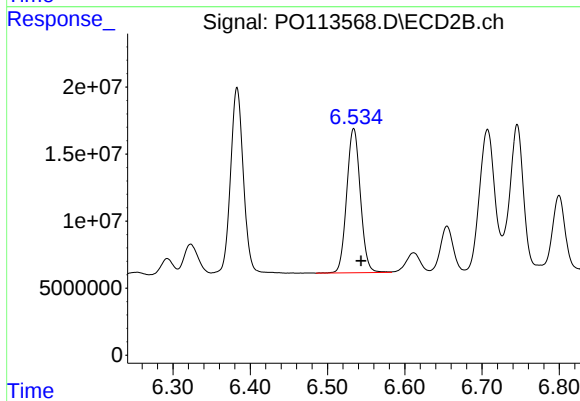
#32 AR-1260-2

R.T.: 6.383 min
Delta R.T.: -0.010 min
Response: 159680847
Conc: 461.89 ng/ml



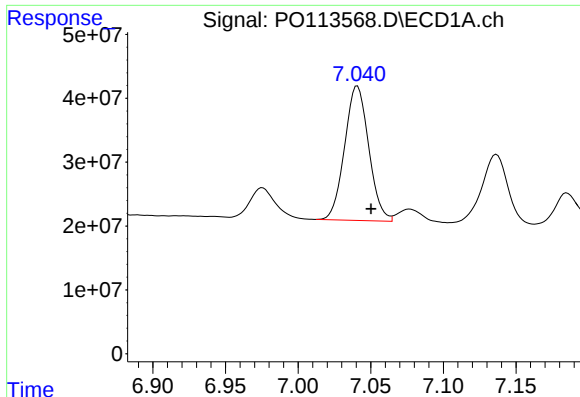
#33 AR-1260-3

R.T.: 6.782 min
Delta R.T.: -0.010 min
Response: 340754521
Conc: 551.85 ng/ml



#33 AR-1260-3

R.T.: 6.534 min
Delta R.T.: -0.010 min
Response: 131489648
Conc: 442.08 ng/ml



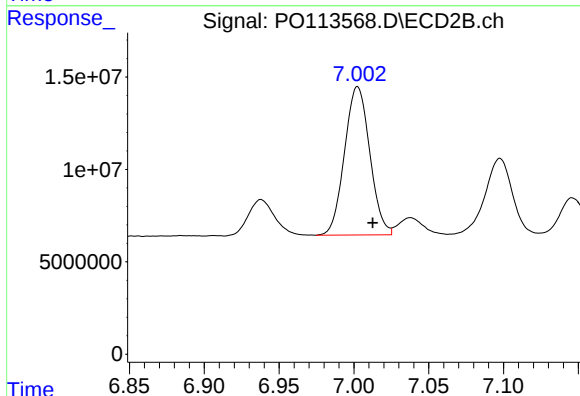
#34 AR-1260-4

R.T.: 7.041 min
Delta R.T.: -0.009 min
Response: 243567204
Conc: 543.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

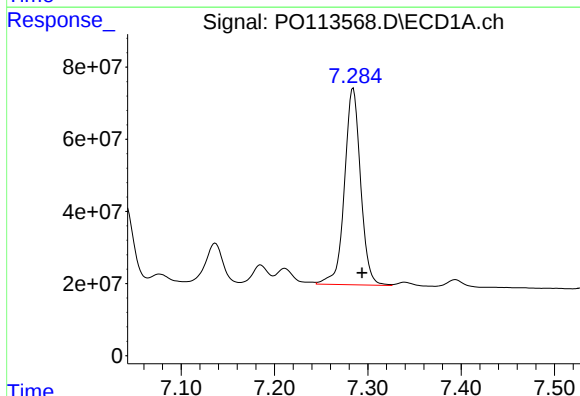
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



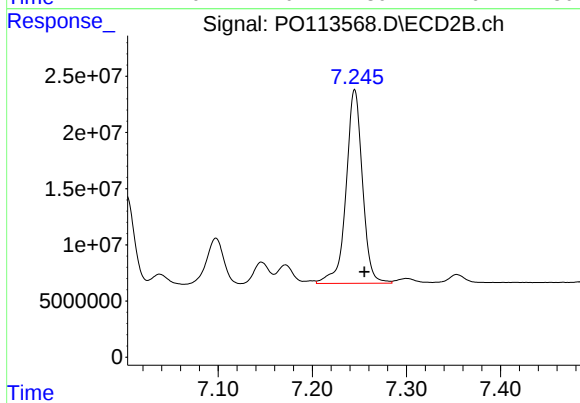
#34 AR-1260-4

R.T.: 7.002 min
Delta R.T.: -0.010 min
Response: 94296458
Conc: 454.99 ng/ml



#35 AR-1260-5

R.T.: 7.284 min
Delta R.T.: -0.010 min
Response: 653767604
Conc: 540.00 ng/ml



#35 AR-1260-5

R.T.: 7.245 min
Delta R.T.: -0.010 min
Response: 208642583
Conc: 445.41 ng/ml



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 17:47

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.78	6.79	6.69	6.89	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 17:47

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.01
Aroclor-1260-4	(4)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.62	8.63	8.53	8.73	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113580.D **Time Analyzed:** 17:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.743	4.648	4.848	546.720	500.000	9.3
Aroclor-1016-2	4.761	4.666	4.866	556.800	500.000	11.4
Aroclor-1016-3	4.818	4.724	4.924	558.620	500.000	11.7
Aroclor-1016-4	4.936	4.843	5.043	530.220	500.000	6.0
Aroclor-1016-5	5.194	5.099	5.299	562.270	500.000	12.5
Aroclor-1260-1	6.229	6.136	6.336	549.030	500.000	9.8
Aroclor-1260-2	6.419	6.326	6.526	546.010	500.000	9.2
Aroclor-1260-3	6.784	6.691	6.891	546.610	500.000	9.3
Aroclor-1260-4	7.043	6.951	7.151	541.750	500.000	8.4
Aroclor-1260-5	7.287	7.194	7.394	536.430	500.000	7.3
Decachlorobiphenyl	8.672	8.582	8.782	50.160	50.000	0.3
Tetrachloro-m-xylene	3.659	3.563	3.763	56.040	50.000	12.1



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113580.D **Time Analyzed:** 17:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.723	4.629	4.829	497.300	500.000	-0.5
Aroclor-1016-2	4.741	4.647	4.847	510.520	500.000	2.1
Aroclor-1016-3	4.915	4.822	5.022	476.940	500.000	-4.6
Aroclor-1016-4	4.958	4.864	5.064	472.810	500.000	-5.4
Aroclor-1016-5	5.170	5.076	5.276	530.680	500.000	6.1
Aroclor-1260-1	6.196	6.104	6.304	472.050	500.000	-5.6
Aroclor-1260-2	6.384	6.292	6.492	452.870	500.000	-9.4
Aroclor-1260-3	6.535	6.443	6.643	430.880	500.000	-13.8
Aroclor-1260-4	7.004	6.912	7.112	437.790	500.000	-12.4
Aroclor-1260-5	7.247	7.155	7.355	424.710	500.000	-15.1
Decachlorobiphenyl	8.616	8.528	8.728	52.970	50.000	5.9
Tetrachloro-m-xylene	3.651	3.555	3.755	51.760	50.000	3.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090825\
 Data File : PO113580.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 17:47
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 08 23:17:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.659	3.651	458.8E6	262.0E6	56.043	51.765
2) SA Decachlor...	8.672	8.616	347.7E6	100.4E6	50.156	52.965
Target Compounds						
3) L1 AR-1016-1	4.743	4.723	146.0E6	84826770	546.718	497.303
4) L1 AR-1016-2	4.761	4.741	223.5E6	131.5E6	556.800	510.519
5) L1 AR-1016-3	4.818	4.915	142.5E6	66587443	558.624	476.938
6) L1 AR-1016-4	4.936	4.958	115.6E6	55176052	530.220m	472.807
7) L1 AR-1016-5	5.194	5.170	124.6E6	75637486	562.270	530.678
31) L7 AR-1260-1	6.229	6.196	244.9E6	120.4E6	549.030	472.048
32) L7 AR-1260-2	6.419	6.384	375.0E6	156.6E6	546.009	452.867
33) L7 AR-1260-3	6.784	6.535	337.5E6	128.2E6	546.609	430.882
34) L7 AR-1260-4	7.043	7.004	242.6E6	90731050	541.754	437.787
35) L7 AR-1260-5	7.287	7.247	649.4E6	198.9E6	536.425	424.713

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090825\
Data File : PO113580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 17:47
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

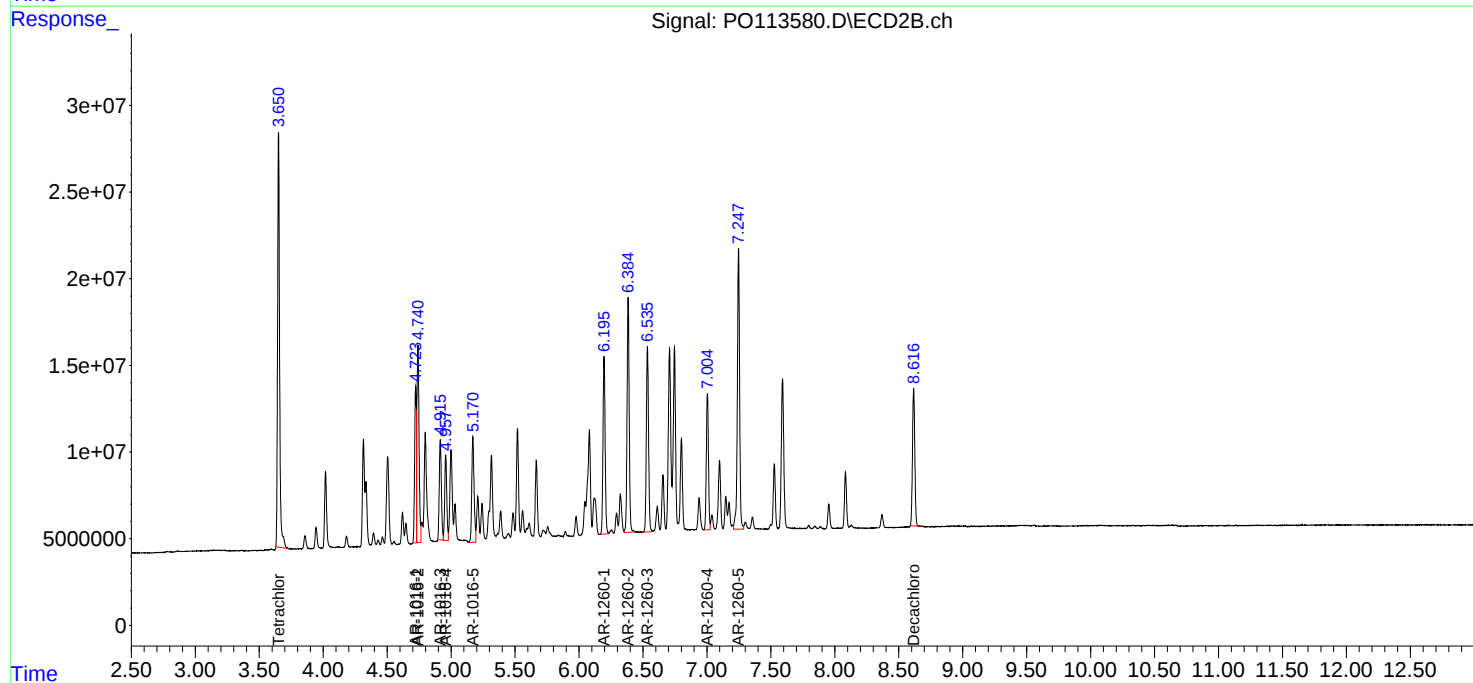
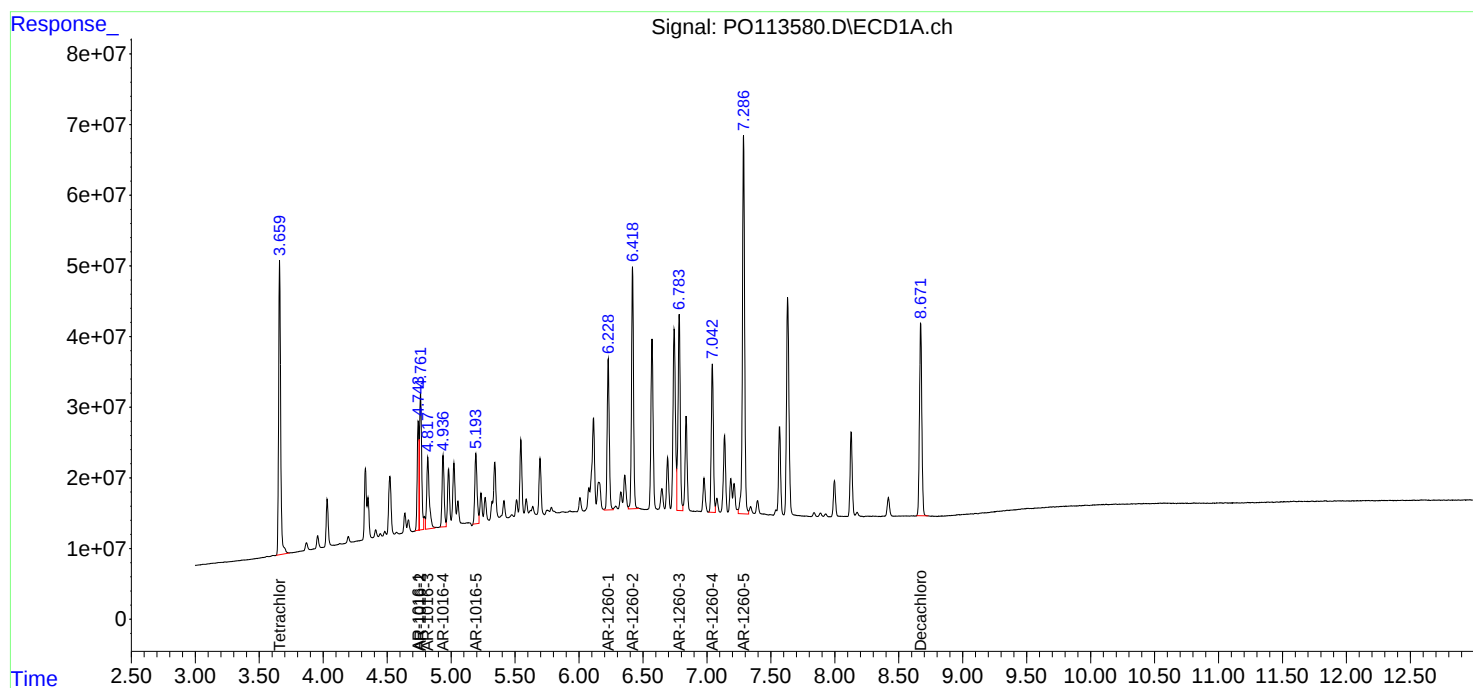
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

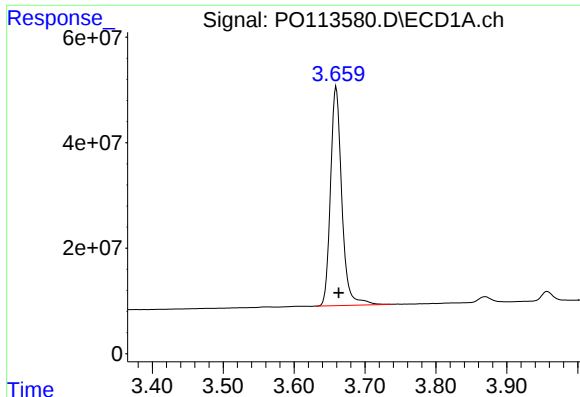
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:17:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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





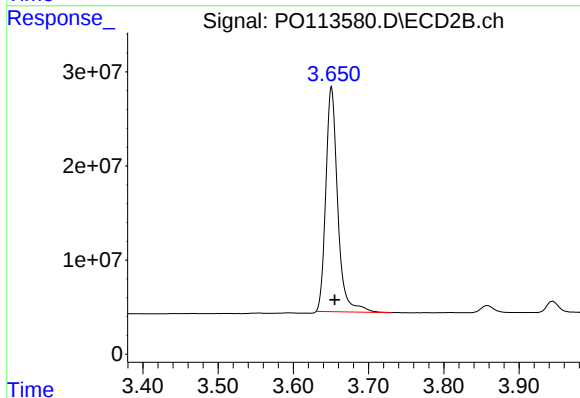
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 458799033
Conc: 56.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

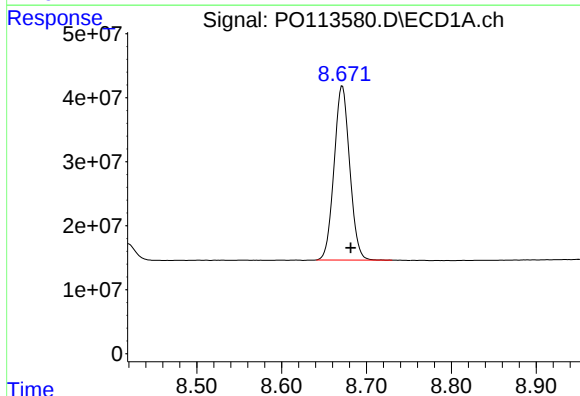
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



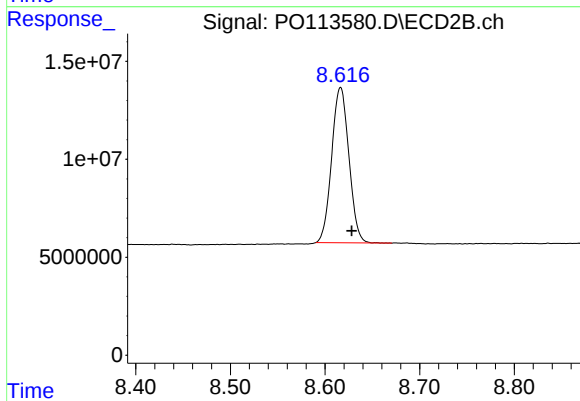
#1 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.004 min
Response: 261964152
Conc: 51.76 ng/ml



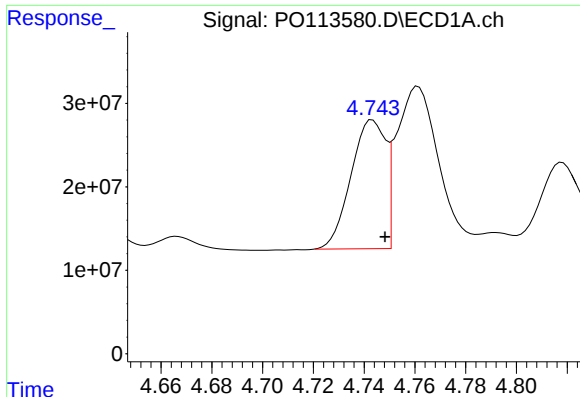
#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.010 min
Response: 347650682
Conc: 50.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.616 min
Delta R.T.: -0.012 min
Response: 100360938
Conc: 52.97 ng/ml



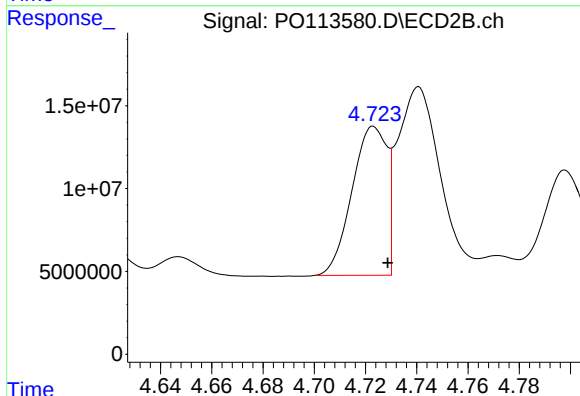
#3 AR-1016-1

R.T.: 4.743 min
Delta R.T.: -0.005 min
Response: 145965319
Conc: 546.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

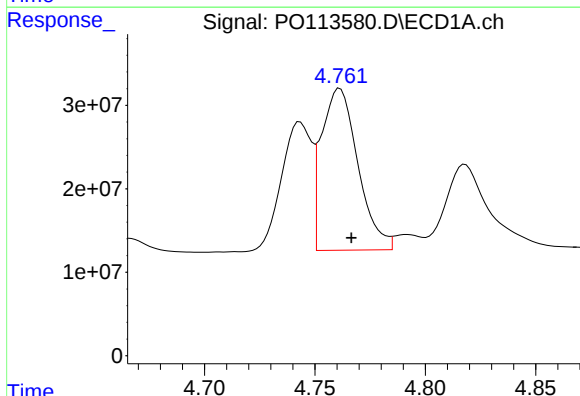
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



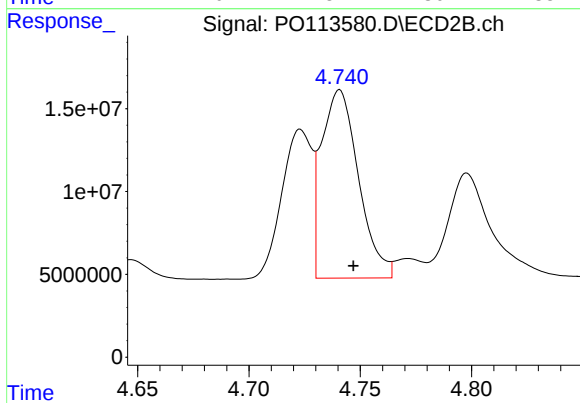
#3 AR-1016-1

R.T.: 4.723 min
Delta R.T.: -0.006 min
Response: 84826770
Conc: 497.30 ng/ml



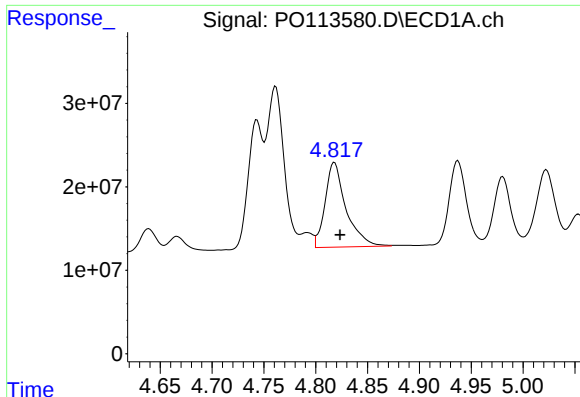
#4 AR-1016-2

R.T.: 4.761 min
Delta R.T.: -0.005 min
Response: 223517210
Conc: 556.80 ng/ml



#4 AR-1016-2

R.T.: 4.741 min
Delta R.T.: -0.006 min
Response: 131538250
Conc: 510.52 ng/ml



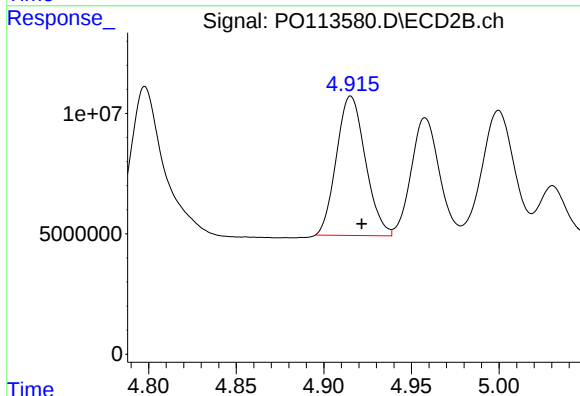
#5 AR-1016-3

R.T.: 4.818 min
Delta R.T.: -0.005 min
Response: 142461644
Conc: 558.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

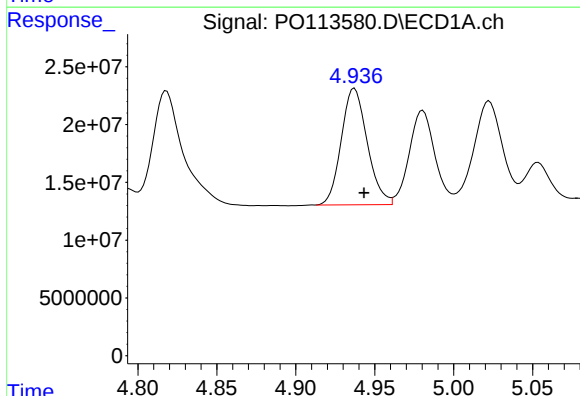
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



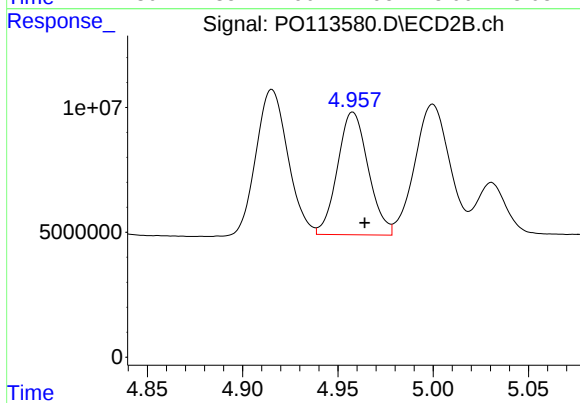
#5 AR-1016-3

R.T.: 4.915 min
Delta R.T.: -0.006 min
Response: 66587443
Conc: 476.94 ng/ml



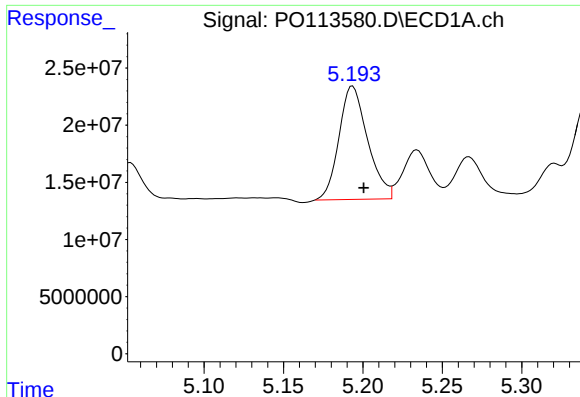
#6 AR-1016-4

R.T.: 4.936 min
Delta R.T.: -0.007 min
Response: 115624039
Conc: 530.22 ng/ml m



#6 AR-1016-4

R.T.: 4.958 min
Delta R.T.: -0.006 min
Response: 55176052
Conc: 472.81 ng/ml



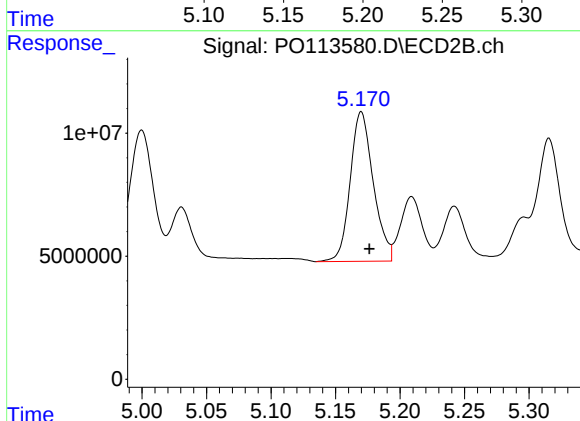
#7 AR-1016-5

R.T.: 5.194 min
Delta R.T.: -0.007 min
Response: 124614645
Conc: 562.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

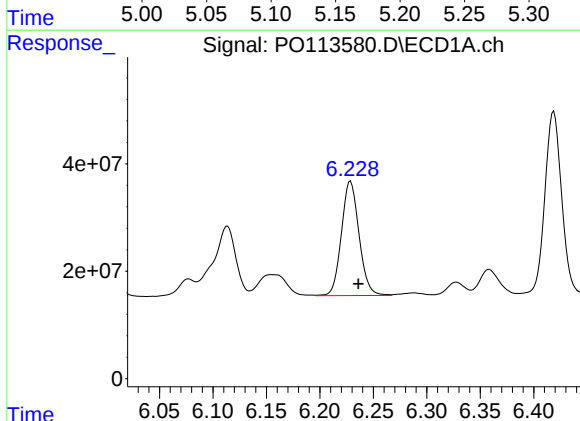
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



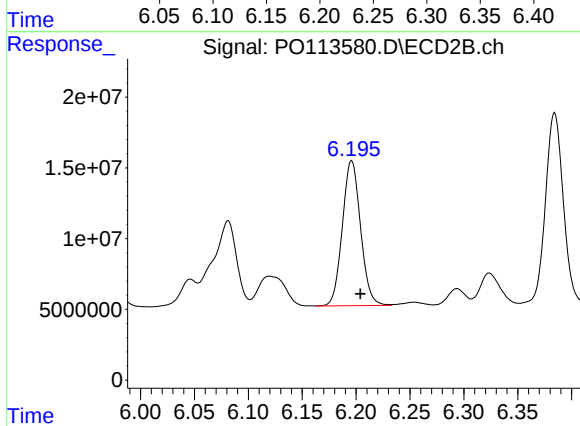
#7 AR-1016-5

R.T.: 5.170 min
Delta R.T.: -0.006 min
Response: 75637486
Conc: 530.68 ng/ml



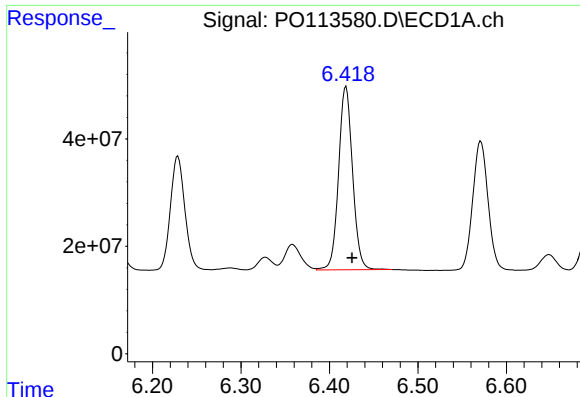
#31 AR-1260-1

R.T.: 6.229 min
Delta R.T.: -0.007 min
Response: 244856870
Conc: 549.03 ng/ml



#31 AR-1260-1

R.T.: 6.196 min
Delta R.T.: -0.008 min
Response: 120404819
Conc: 472.05 ng/ml



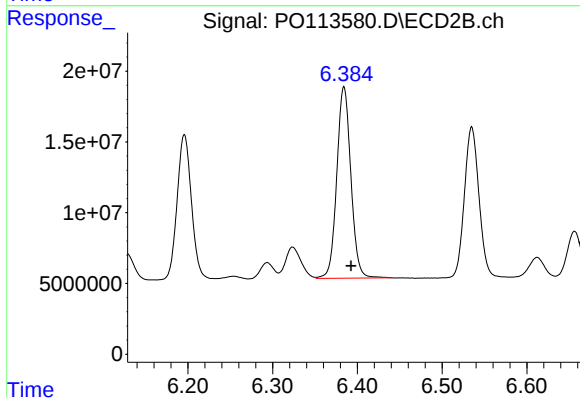
#32 AR-1260-2

R.T.: 6.419 min
Delta R.T.: -0.007 min
Response: 374955952
Conc: 546.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

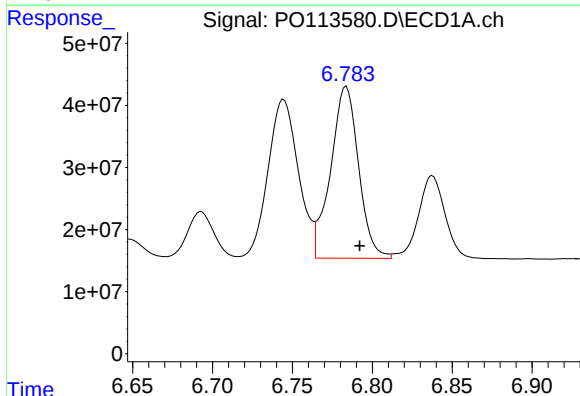
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



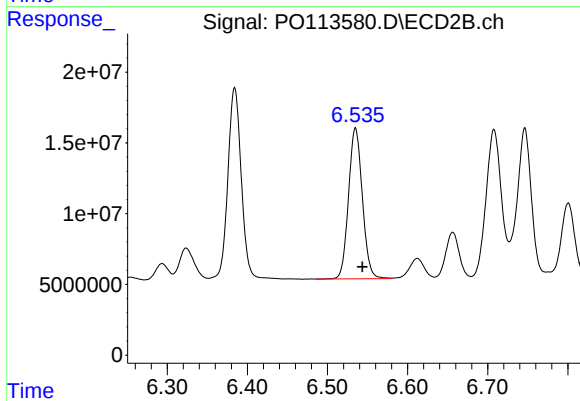
#32 AR-1260-2

R.T.: 6.384 min
Delta R.T.: -0.008 min
Response: 156561543
Conc: 452.87 ng/ml



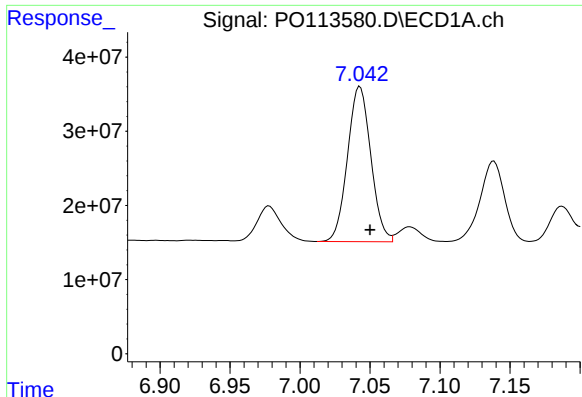
#33 AR-1260-3

R.T.: 6.784 min
Delta R.T.: -0.008 min
Response: 337516566
Conc: 546.61 ng/ml



#33 AR-1260-3

R.T.: 6.535 min
Delta R.T.: -0.009 min
Response: 128158875
Conc: 430.88 ng/ml



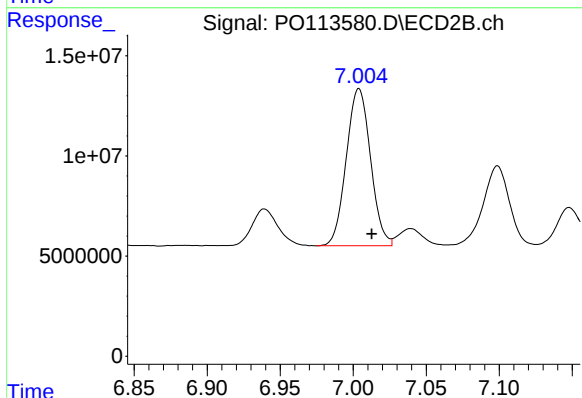
#34 AR-1260-4

R.T.: 7.043 min
Delta R.T.: -0.007 min
Response: 242637872
Conc: 541.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

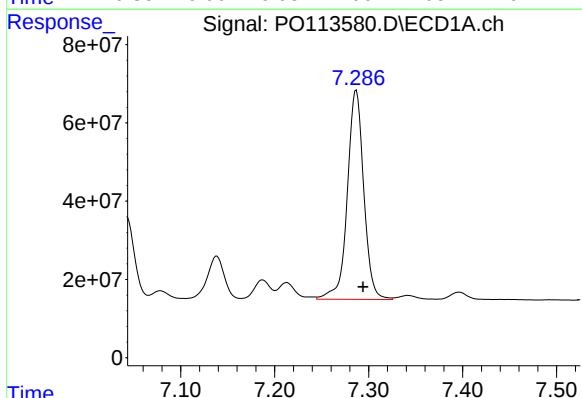
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



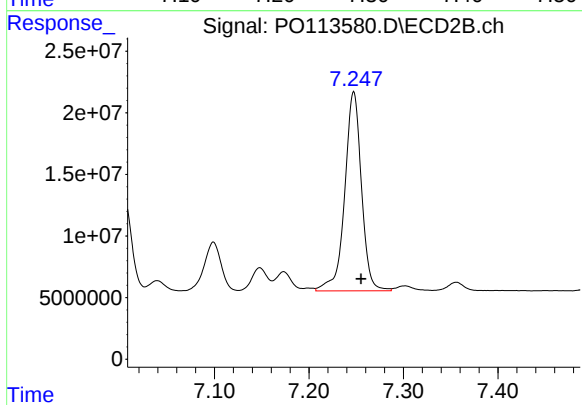
#34 AR-1260-4

R.T.: 7.004 min
Delta R.T.: -0.009 min
Response: 90731050
Conc: 437.79 ng/ml



#35 AR-1260-5

R.T.: 7.287 min
Delta R.T.: -0.007 min
Response: 649441379
Conc: 536.43 ng/ml



#35 AR-1260-5

R.T.: 7.247 min
Delta R.T.: -0.008 min
Response: 198948256
Conc: 424.71 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 22:59

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.78	6.79	6.69	6.89	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 22:59

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-3	(3)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-4	(4)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.61	8.63	8.53	8.73	0.02



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/08/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113593.D **Time Analyzed:** 22:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.742	4.648	4.848	531.910	500.000	6.4
Aroclor-1016-2	4.760	4.666	4.866	548.630	500.000	9.7
Aroclor-1016-3	4.818	4.724	4.924	540.400	500.000	8.1
Aroclor-1016-4	4.936	4.843	5.043	516.110	500.000	3.2
Aroclor-1016-5	5.193	5.099	5.299	559.230	500.000	11.8
Aroclor-1260-1	6.229	6.136	6.336	534.630	500.000	6.9
Aroclor-1260-2	6.418	6.326	6.526	542.440	500.000	8.5
Aroclor-1260-3	6.783	6.691	6.891	543.170	500.000	8.6
Aroclor-1260-4	7.042	6.951	7.151	543.690	500.000	8.7
Aroclor-1260-5	7.285	7.194	7.394	540.690	500.000	8.1
Decachlorobiphenyl	8.670	8.582	8.782	52.300	50.000	4.6
Tetrachloro-m-xylene	3.659	3.563	3.763	55.100	50.000	10.2



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/08/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113593.D **Time Analyzed:** 22:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.722	4.629	4.829	494.430	500.000	-1.1
Aroclor-1016-2	4.740	4.647	4.847	503.470	500.000	0.7
Aroclor-1016-3	4.915	4.822	5.022	511.390	500.000	2.3
Aroclor-1016-4	4.958	4.864	5.064	496.400	500.000	-0.7
Aroclor-1016-5	5.169	5.076	5.276	538.260	500.000	7.7
Aroclor-1260-1	6.195	6.104	6.304	470.440	500.000	-5.9
Aroclor-1260-2	6.384	6.292	6.492	456.610	500.000	-8.7
Aroclor-1260-3	6.534	6.443	6.643	429.290	500.000	-14.1
Aroclor-1260-4	7.003	6.912	7.112	438.450	500.000	-12.3
Aroclor-1260-5	7.246	7.155	7.355	422.410	500.000	-15.5
Decachlorobiphenyl	8.614	8.528	8.728	54.250	50.000	8.5
Tetrachloro-m-xylene	3.650	3.555	3.755	52.390	50.000	4.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : PO113593.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 22:59
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 15:12:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 15:11:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.659	3.650	451.0E6	265.1E6	55.095	52.390
2) SA Decachlor...	8.670	8.614	362.5E6	102.8E6	52.300	54.249
Target Compounds						
3) L1 AR-1016-1	4.742	4.722	142.0E6	84336977	531.912	494.431
4) L1 AR-1016-2	4.760	4.740	220.2E6	129.7E6	548.628	503.466
5) L1 AR-1016-3	4.818	4.915	137.8E6	71397265	540.397	511.389
6) L1 AR-1016-4	4.936	4.958	112.5E6	57929705	516.114	496.403
7) L1 AR-1016-5	5.193	5.169	123.9E6	76717946	559.233	538.258
31) L7 AR-1260-1	6.229	6.195	238.4E6	120.0E6	534.632	470.436
32) L7 AR-1260-2	6.418	6.384	372.5E6	157.9E6	542.442	456.615
33) L7 AR-1260-3	6.783	6.534	335.4E6	127.7E6	543.166	429.292
34) L7 AR-1260-4	7.042	7.003	243.5E6	90868276	543.687	438.449m
35) L7 AR-1260-5	7.285	7.246	654.6E6	197.9E6	540.686	422.414

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 22:59
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

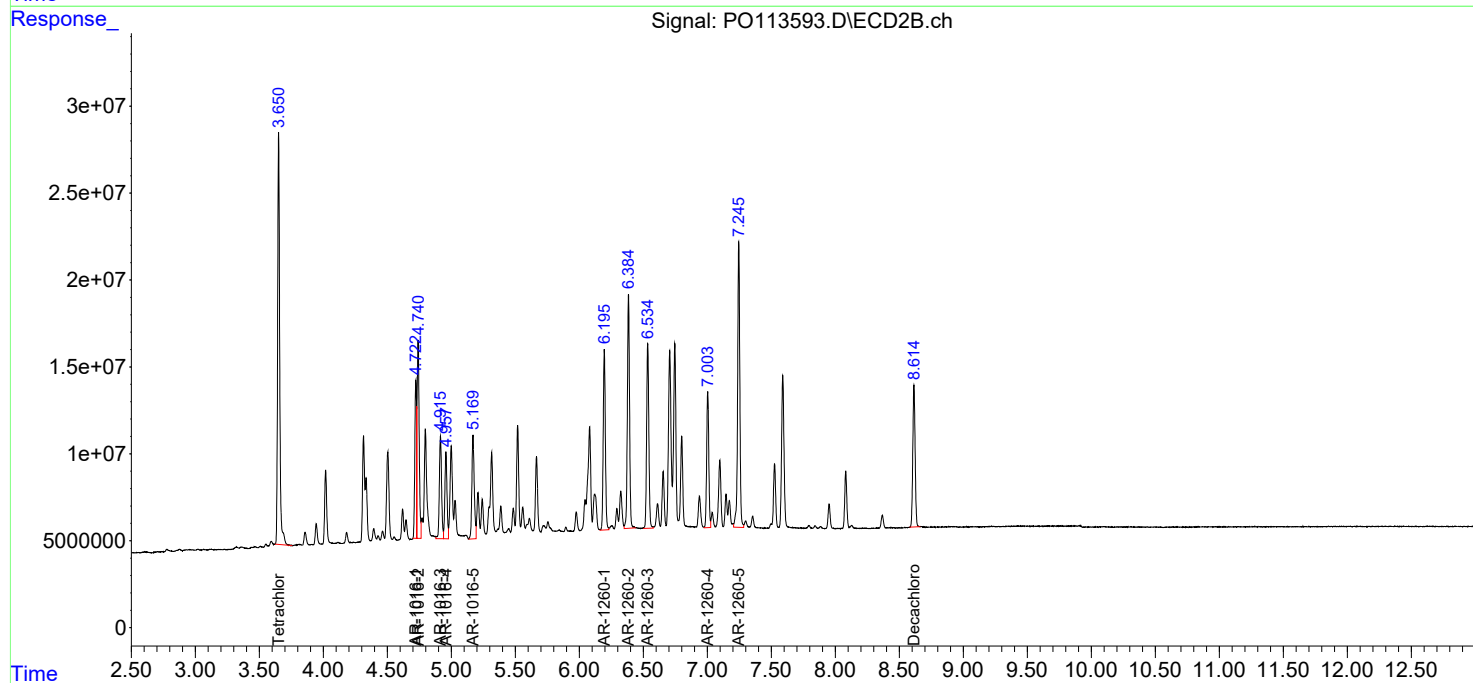
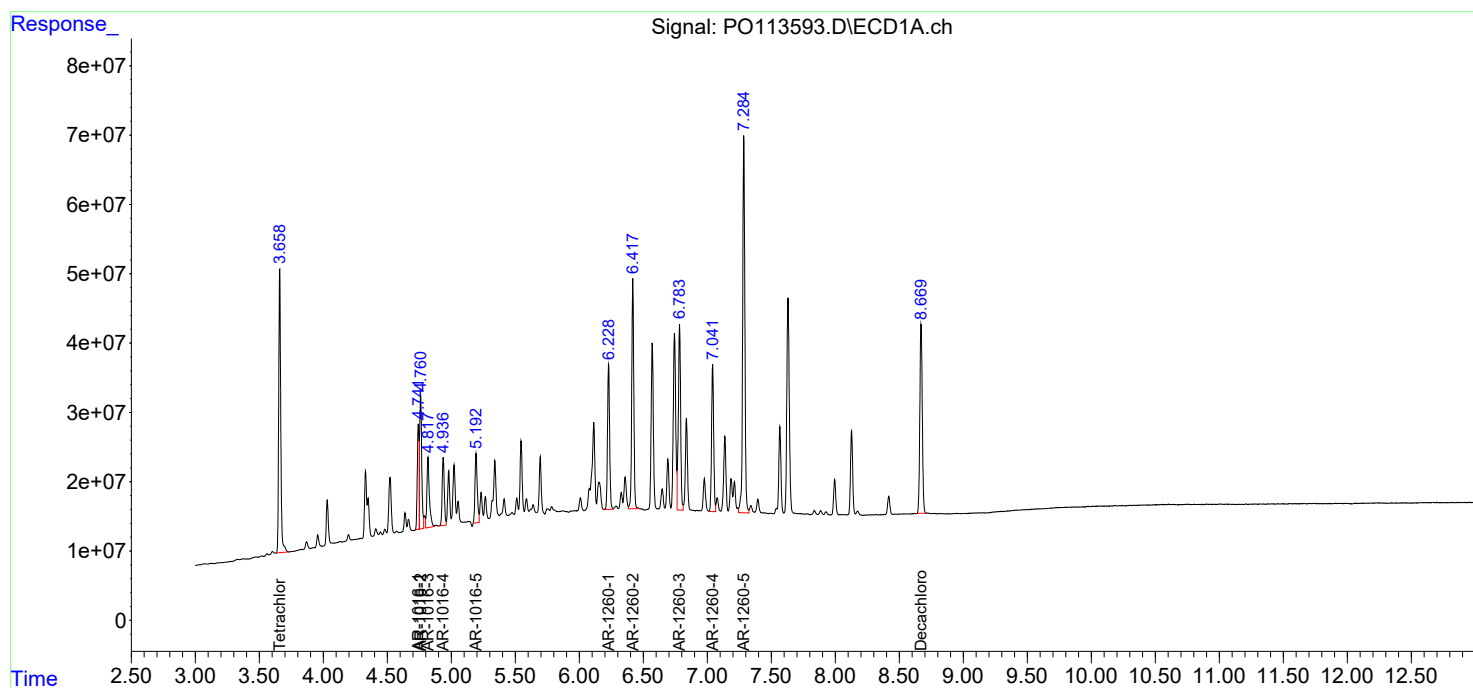
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

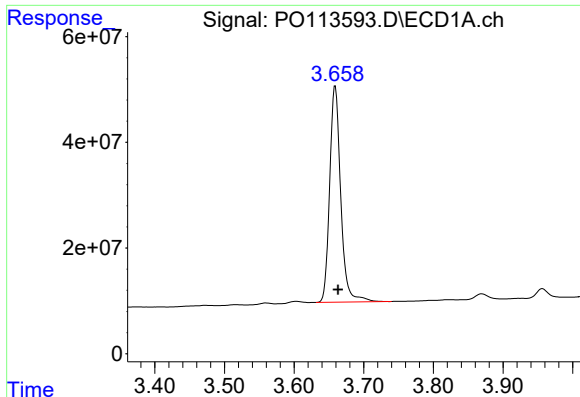
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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





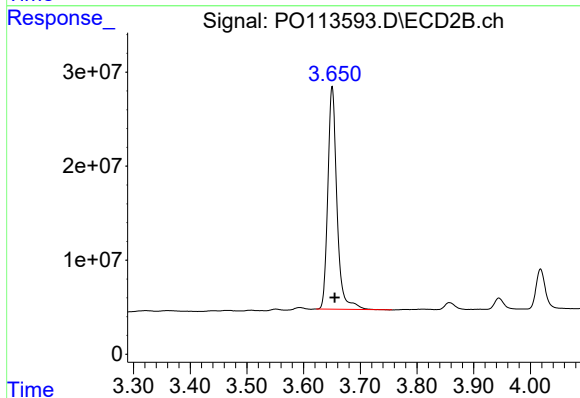
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 451041558
Conc: 55.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

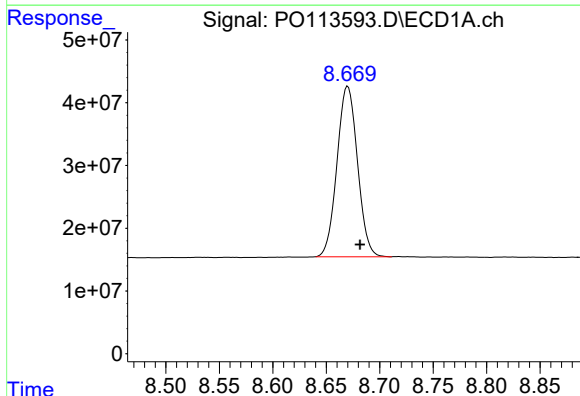
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



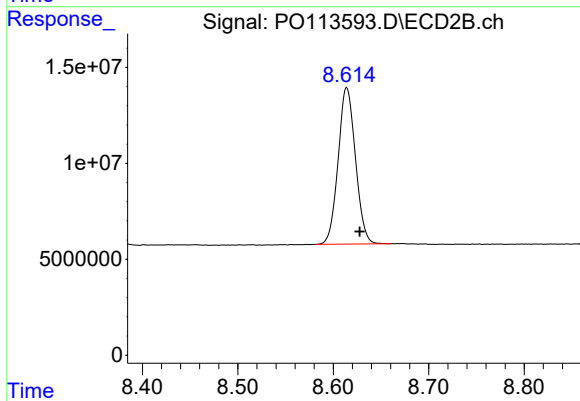
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.004 min
Response: 265126593
Conc: 52.39 ng/ml



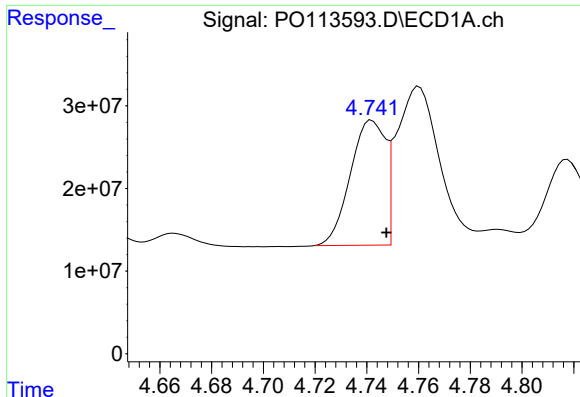
#2 Decachlorobiphenyl

R.T.: 8.670 min
Delta R.T.: -0.011 min
Response: 362511171
Conc: 52.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.614 min
Delta R.T.: -0.013 min
Response: 102793813
Conc: 54.25 ng/ml



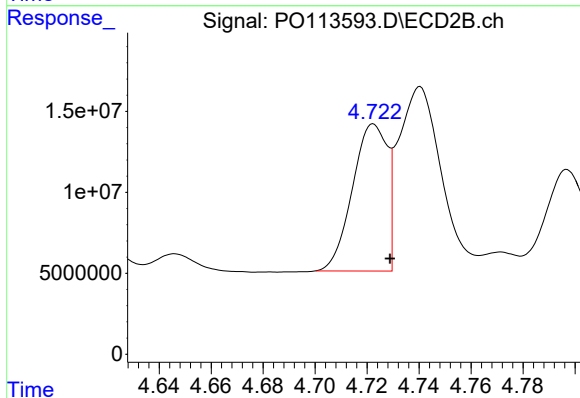
#3 AR-1016-1

R.T.: 4.742 min
Delta R.T.: -0.006 min
Response: 142012426
Conc: 531.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

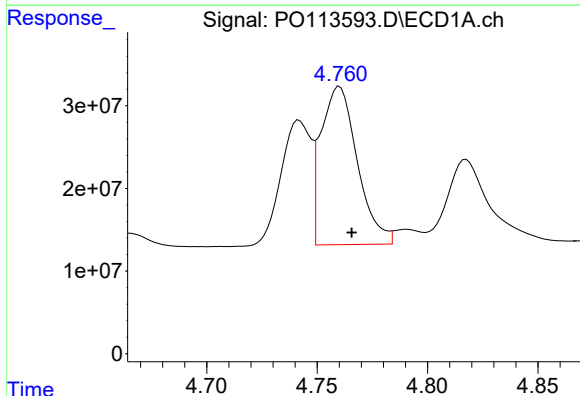
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



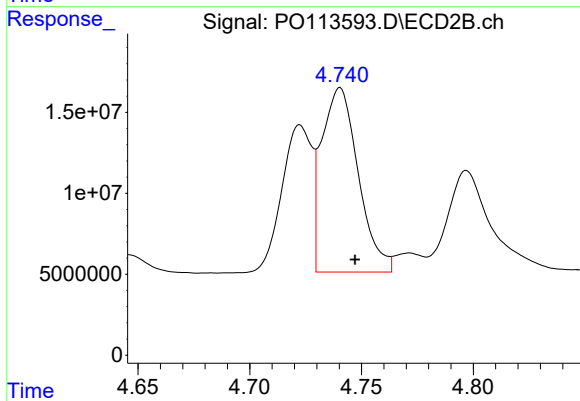
#3 AR-1016-1

R.T.: 4.722 min
Delta R.T.: -0.006 min
Response: 84336977
Conc: 494.43 ng/ml



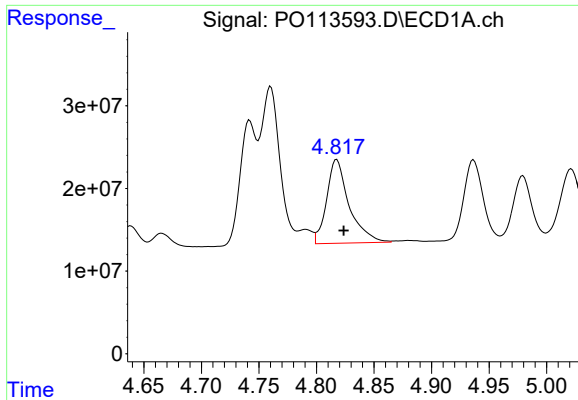
#4 AR-1016-2

R.T.: 4.760 min
Delta R.T.: -0.005 min
Response: 220236488
Conc: 548.63 ng/ml



#4 AR-1016-2

R.T.: 4.740 min
Delta R.T.: -0.007 min
Response: 129721050
Conc: 503.47 ng/ml



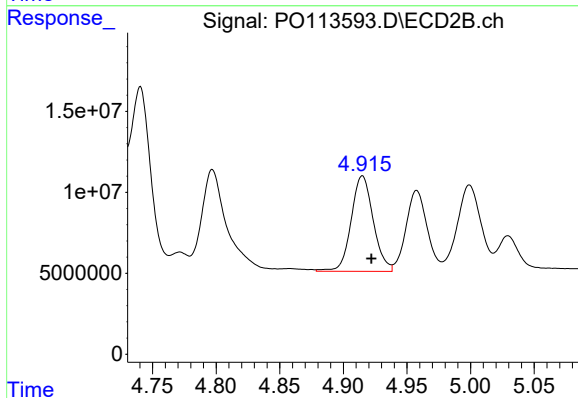
#5 AR-1016-3

R.T.: 4.818 min
Delta R.T.: -0.006 min
Response: 137813315
Conc: 540.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

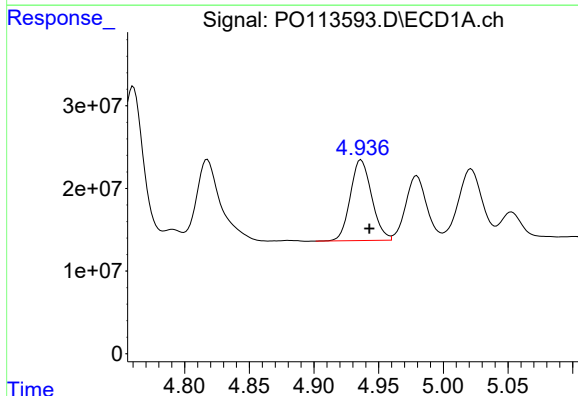
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



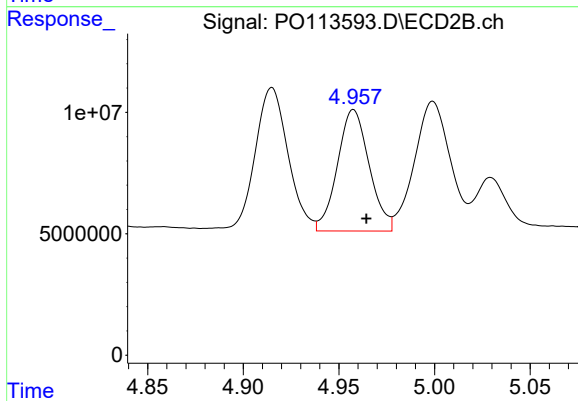
#5 AR-1016-3

R.T.: 4.915 min
Delta R.T.: -0.007 min
Response: 71397265
Conc: 511.39 ng/ml



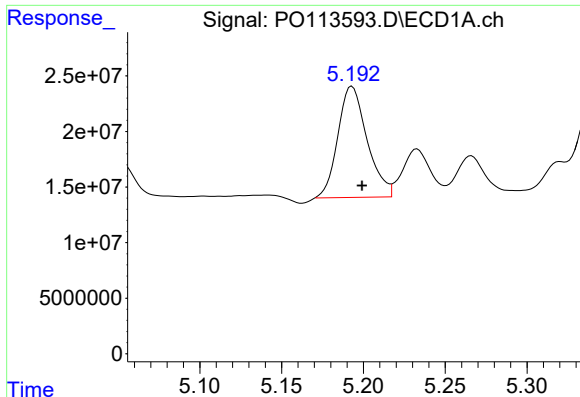
#6 AR-1016-4

R.T.: 4.936 min
Delta R.T.: -0.006 min
Response: 112547877
Conc: 516.11 ng/ml



#6 AR-1016-4

R.T.: 4.958 min
Delta R.T.: -0.007 min
Response: 57929705
Conc: 496.40 ng/ml



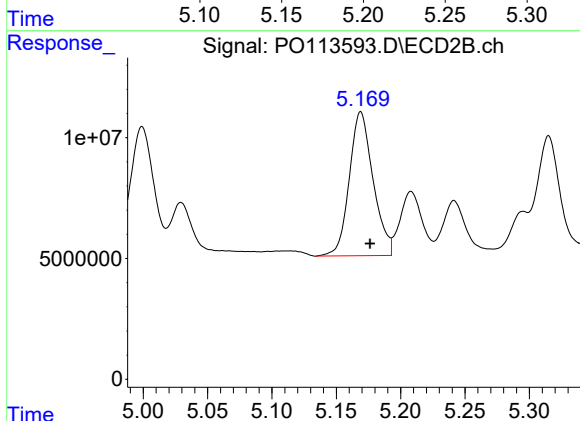
#7 AR-1016-5

R.T.: 5.193 min
Delta R.T.: -0.006 min
Response: 123941549
Conc: 559.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

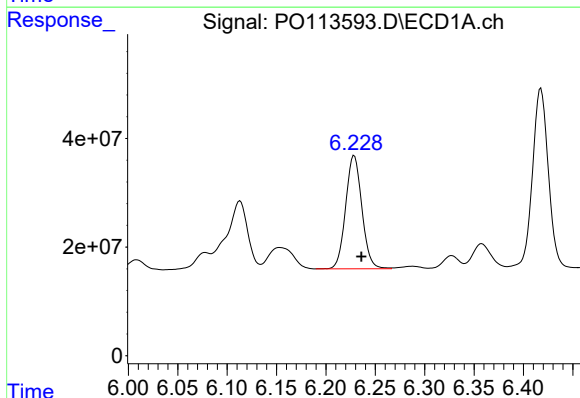
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



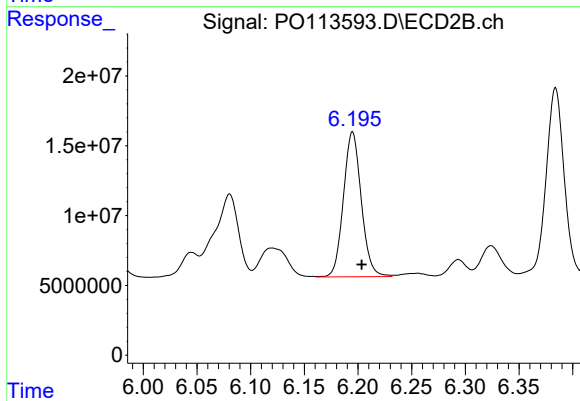
#7 AR-1016-5

R.T.: 5.169 min
Delta R.T.: -0.007 min
Response: 76717946
Conc: 538.26 ng/ml



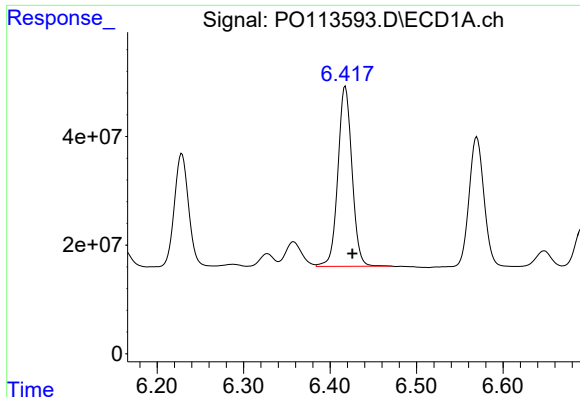
#31 AR-1260-1

R.T.: 6.229 min
Delta R.T.: -0.007 min
Response: 238435397
Conc: 534.63 ng/ml



#31 AR-1260-1

R.T.: 6.195 min
Delta R.T.: -0.009 min
Response: 119993562
Conc: 470.44 ng/ml



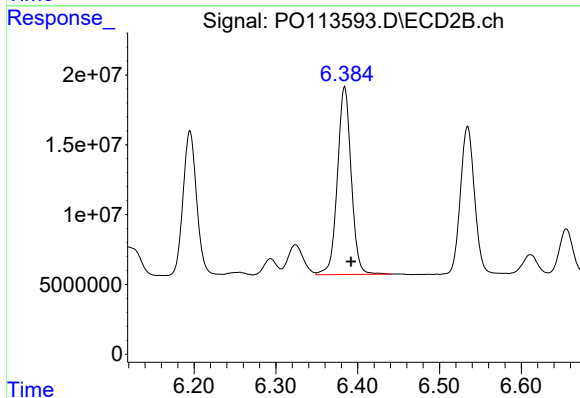
#32 AR-1260-2

R.T.: 6.418 min
Delta R.T.: -0.008 min
Response: 372506249
Conc: 542.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

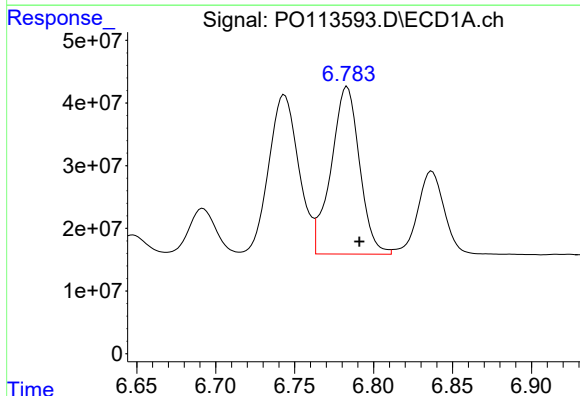
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



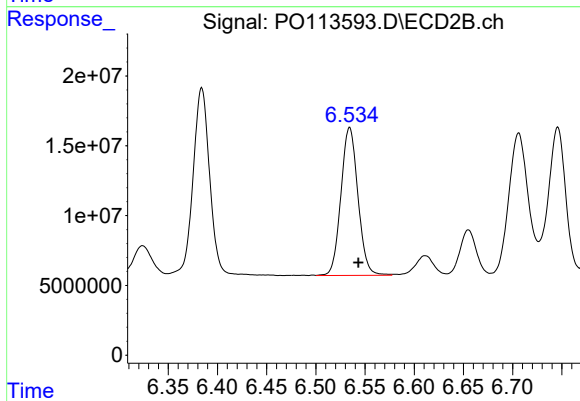
#32 AR-1260-2

R.T.: 6.384 min
Delta R.T.: -0.008 min
Response: 157857147
Conc: 456.61 ng/ml



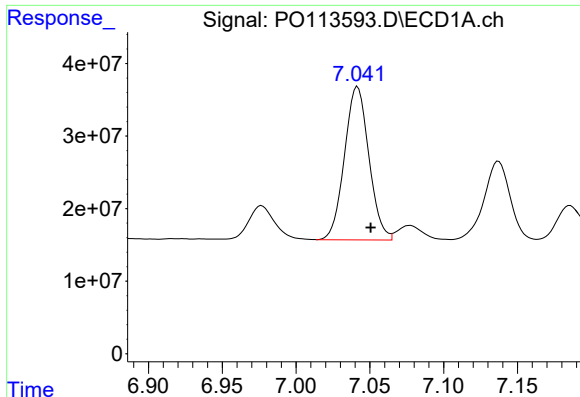
#33 AR-1260-3

R.T.: 6.783 min
Delta R.T.: -0.008 min
Response: 335390598
Conc: 543.17 ng/ml



#33 AR-1260-3

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 127685953
Conc: 429.29 ng/ml



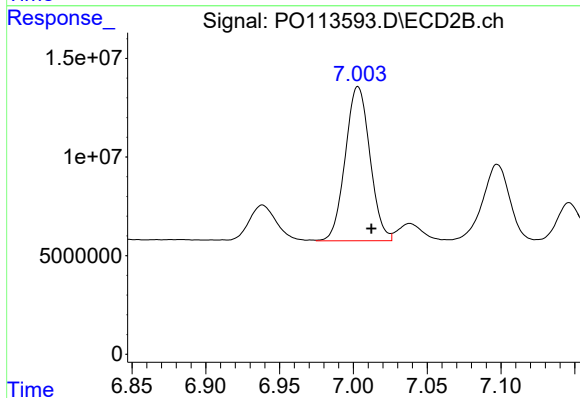
#34 AR-1260-4

R.T.: 7.042 min
Delta R.T.: -0.009 min
Response: 243503448
Conc: 543.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

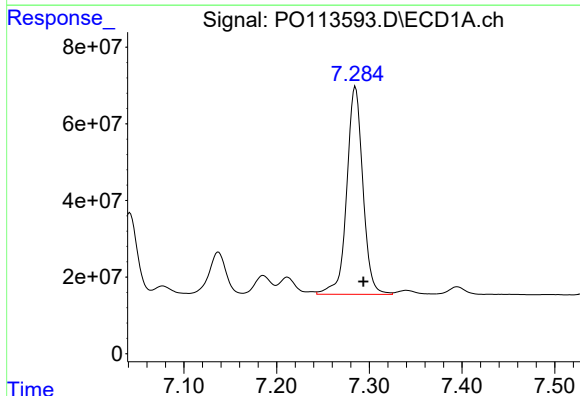
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



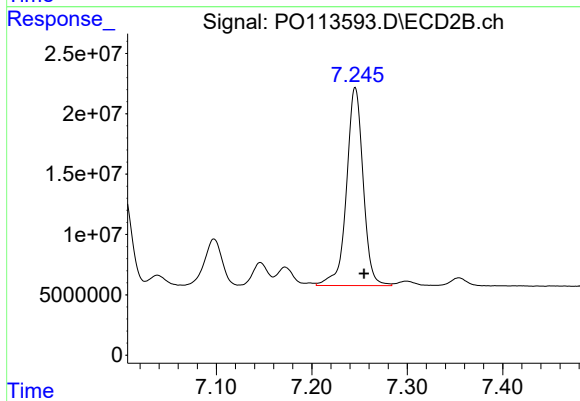
#34 AR-1260-4

R.T.: 7.003 min
Delta R.T.: -0.010 min
Response: 90868276
Conc: 438.45 ng/ml m



#35 AR-1260-5

R.T.: 7.285 min
Delta R.T.: -0.009 min
Response: 654599955
Conc: 540.69 ng/ml



#35 AR-1260-5

R.T.: 7.246 min
Delta R.T.: -0.009 min
Response: 197871050
Conc: 422.41 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/09/2025

Initial Calibration Date(s): 09/08/2025

09/08/2025

Continuing Calib Time: 00:11

Initial Calibration Time(s): 20:32

21:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1232-1	(1)	4.03	4.03	3.93	4.13	0.00
Aroclor-1232-2	(2)	4.52	4.52	4.42	4.62	0.00
Aroclor-1232-3	(3)	4.76	4.76	4.66	4.86	0.00
Aroclor-1232-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1232-5	(5)	4.98	4.98	4.88	5.08	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/09/2025

Initial Calibration Date(s): 09/08/2025

09/08/2025

Continuing Calib Time: 00:11

Initial Calibration Time(s): 20:32

21:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1232-1	(1)	4.02	4.02	3.92	4.12	0.00
Aroclor-1232-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1232-3	(3)	4.91	4.91	4.81	5.01	0.00
Aroclor-1232-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1232-5	(5)	5.17	5.17	5.07	5.27	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.62	8.62	8.52	8.72	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/08/2025 09/08/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/09/2025
Lab Sample No.: AR1232CCC500 **Data File :** PO113594.D **Time Analyzed:** 00:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1232-1	4.031	3.930	4.130	527.120	500.000	5.4
Aroclor-1232-2	4.521	4.421	4.621	486.040	500.000	-2.8
Aroclor-1232-3	4.760	4.660	4.860	545.950	500.000	9.2
Aroclor-1232-4	4.936	4.836	5.036	564.480	500.000	12.9
Aroclor-1232-5	4.981	4.879	5.079	480.240	500.000	-4.0
Decachlorobiphenyl	8.671	8.570	8.770	53.610	50.000	7.2
Tetrachloro-m-xylene	3.659	3.558	3.758	58.460	50.000	16.9



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/08/2025 09/08/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/09/2025
Lab Sample No.: AR1232CCC500 **Data File :** PO113594.D **Time Analyzed:** 00:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1232-1	4.018	3.917	4.117	526.070	500.000	5.2
Aroclor-1232-2	4.740	4.640	4.840	532.890	500.000	6.6
Aroclor-1232-3	4.914	4.814	5.014	518.180	500.000	3.6
Aroclor-1232-4	4.999	4.898	5.098	498.590	500.000	-0.3
Aroclor-1232-5	5.168	5.069	5.269	497.370	500.000	-0.5
Decachlorobiphenyl	8.615	8.515	8.715	55.700	50.000	11.4
Tetrachloro-m-xylene	3.650	3.549	3.749	55.260	50.000	10.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : PO113594.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 00:11
 Operator : YP/AJ
 Sample : AR1232CCC500
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 15:13:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 15:11:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.659	3.650	478.6E6	279.6E6	58.464	55.259
2) SA Decachlor...	8.671	8.615	371.6E6	105.5E6	53.607	55.697
Target Compounds						
11) L3 AR-1232-1	4.031	4.018	94632214	63619584	527.120	526.074
12) L3 AR-1232-2	4.521	4.740	52452205	65039421	486.042	532.893
13) L3 AR-1232-3	4.760	4.914	107.8E6	34280455	545.954	518.176m
14) L3 AR-1232-4	4.936	4.999	55484939	29879469	564.483	498.585m
15) L3 AR-1232-5	4.981	5.168	31591484	33630053	480.244	497.367m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 00:11
Operator : YP/AJ
Sample : AR1232CCC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

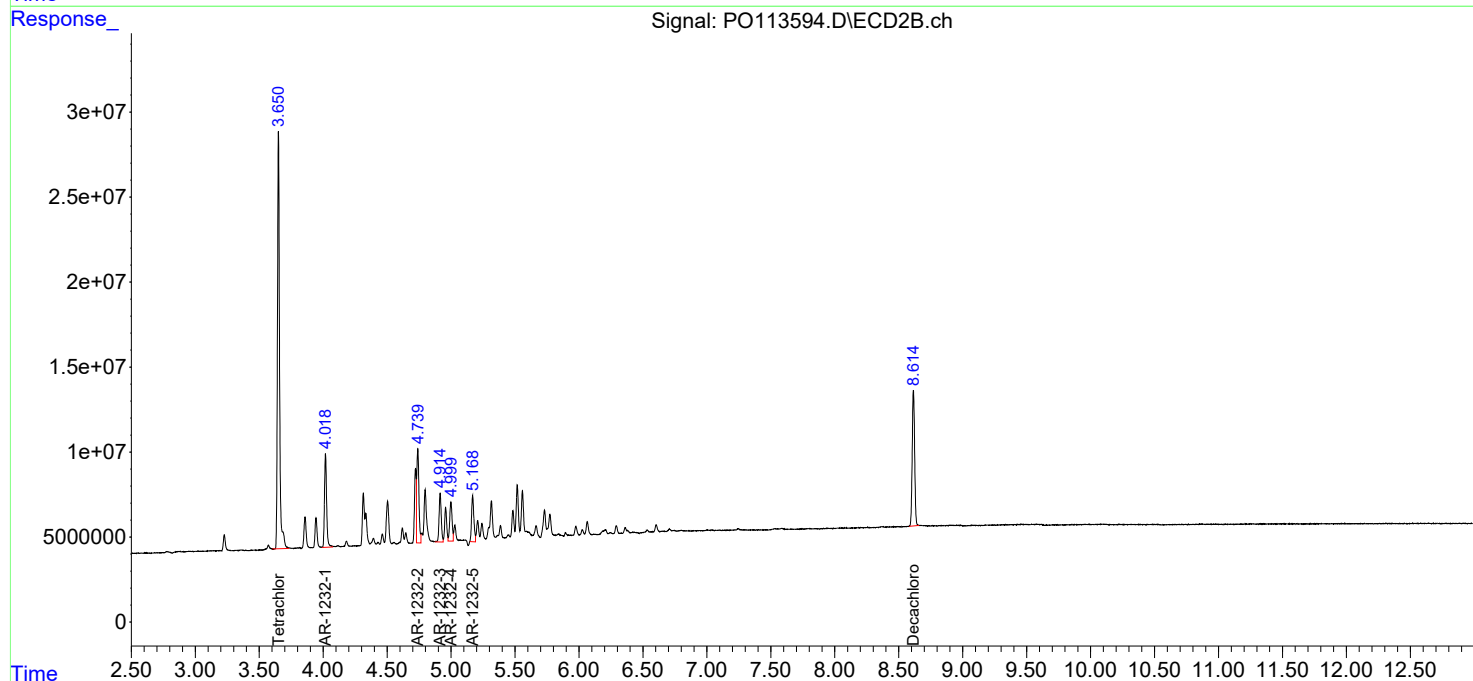
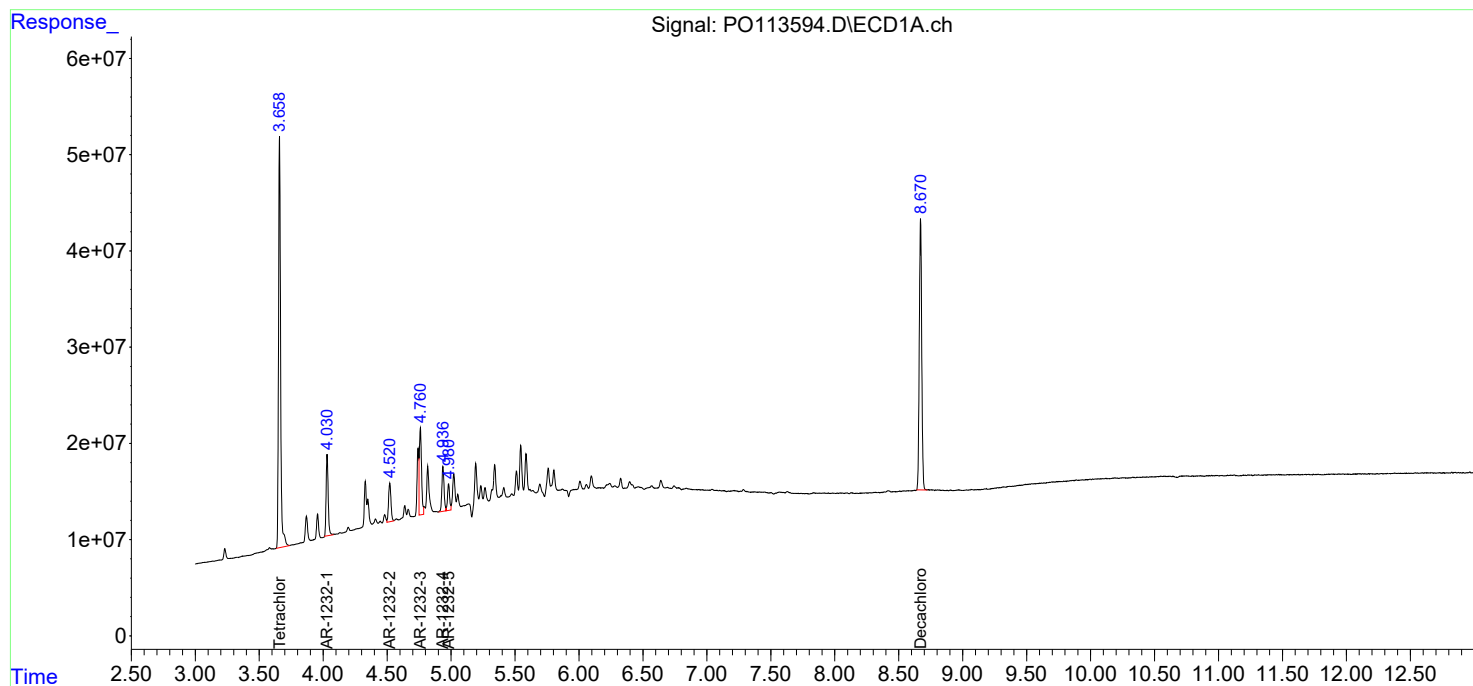
Instrument :
ECD_O
ClientSampleId :
AR1232CCC500

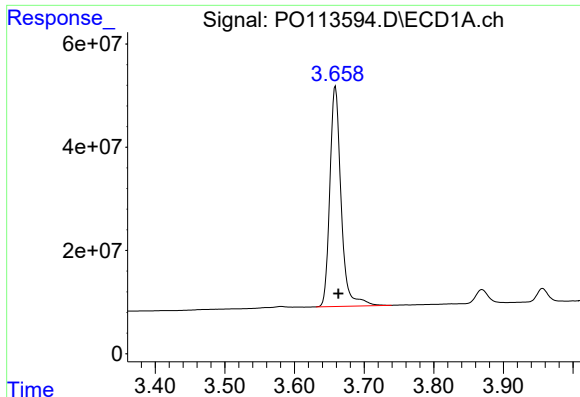
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:13:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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





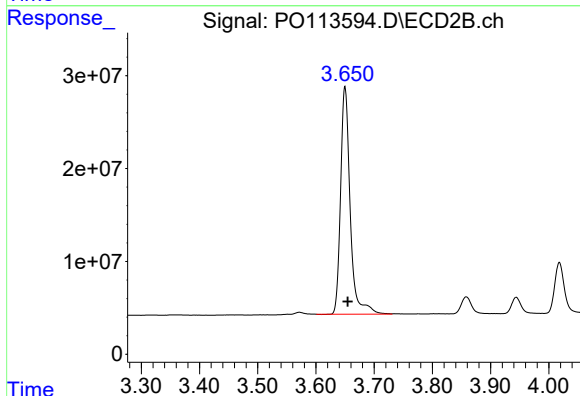
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 478618308
Conc: 58.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500

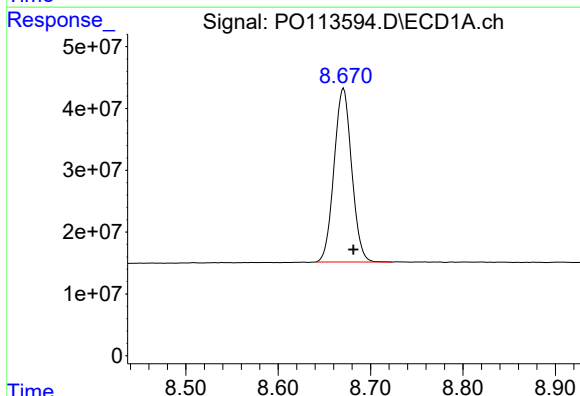
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



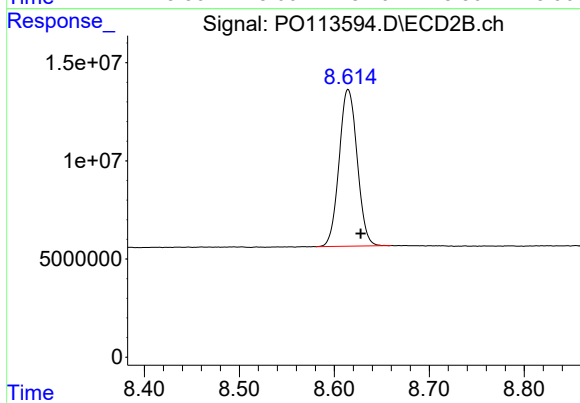
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.005 min
Response: 279644018
Conc: 55.26 ng/ml



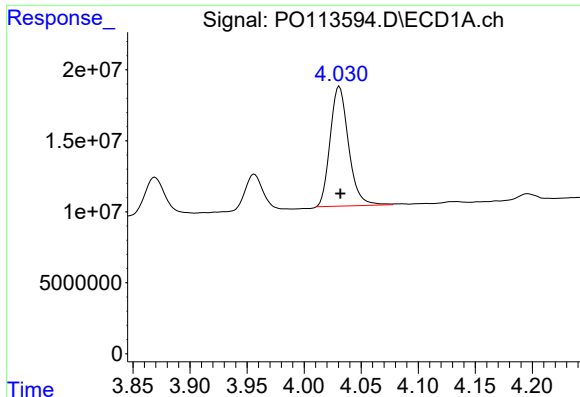
#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: -0.011 min
Response: 371573196
Conc: 53.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.615 min
Delta R.T.: -0.013 min
Response: 105537066
Conc: 55.70 ng/ml



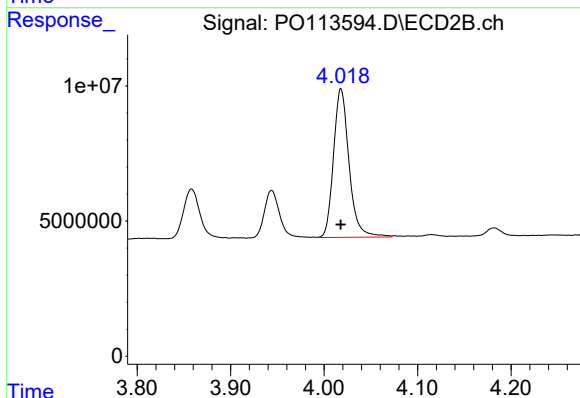
#11 AR-1232-1

R.T.: 4.031 min
Delta R.T.: 0.000 min
Response: 94632214
Conc: 527.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500

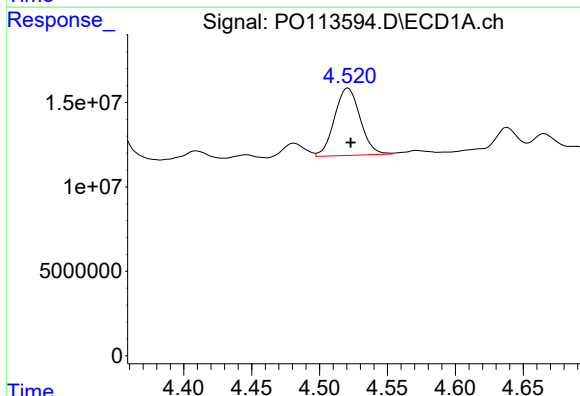
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



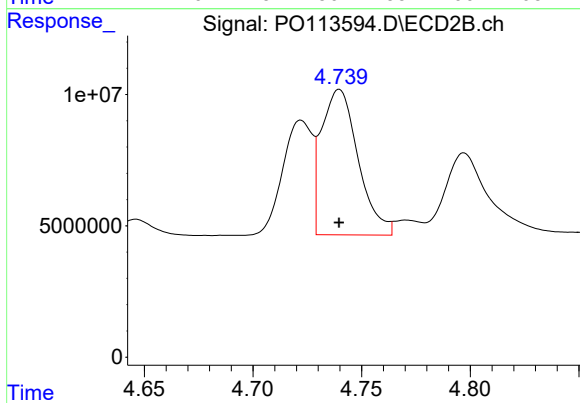
#11 AR-1232-1

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 63619584
Conc: 526.07 ng/ml



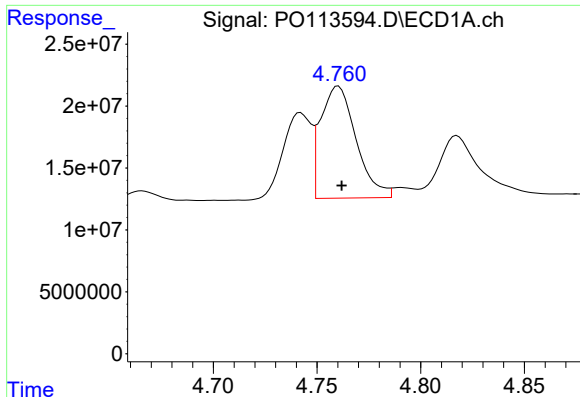
#12 AR-1232-2

R.T.: 4.521 min
Delta R.T.: -0.002 min
Response: 52452205
Conc: 486.04 ng/ml



#12 AR-1232-2

R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 65039421
Conc: 532.89 ng/ml



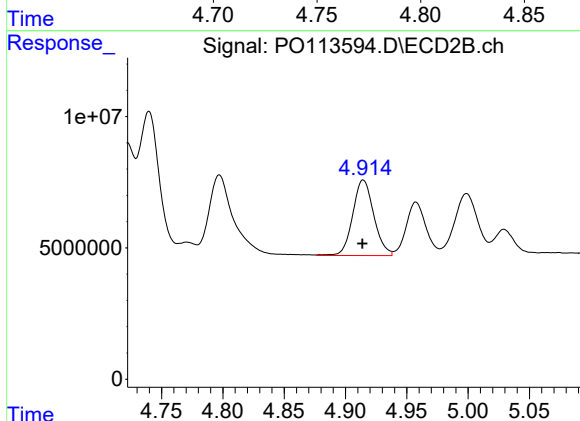
#13 AR-1232-3

R.T.: 4.760 min
Delta R.T.: -0.002 min
Response: 107768852
Conc: 545.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500

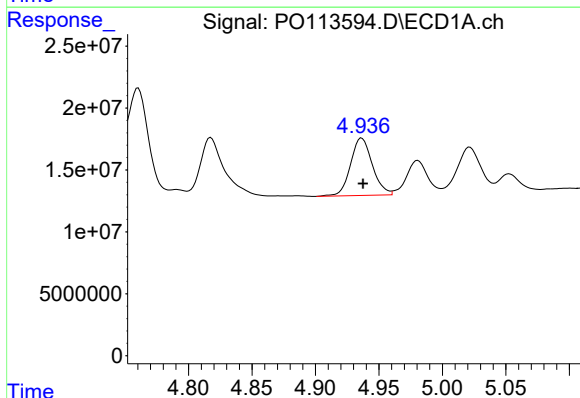
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



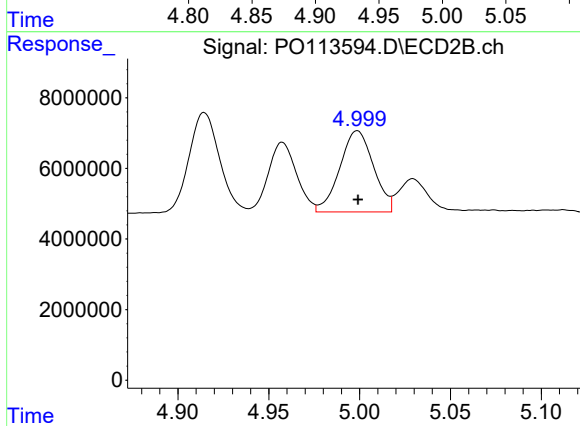
#13 AR-1232-3

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 34280455
Conc: 518.18 ng/ml m



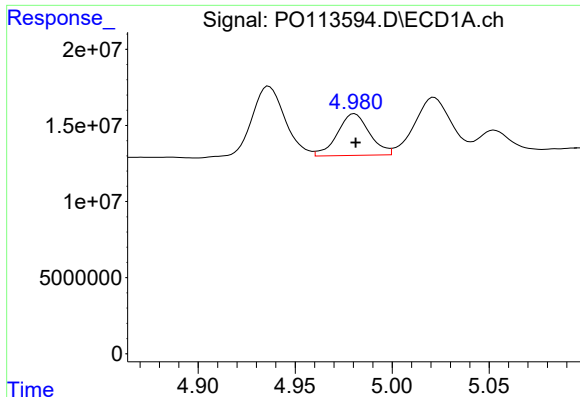
#14 AR-1232-4

R.T.: 4.936 min
Delta R.T.: -0.001 min
Response: 55484939
Conc: 564.48 ng/ml



#14 AR-1232-4

R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 29879469
Conc: 498.59 ng/ml m



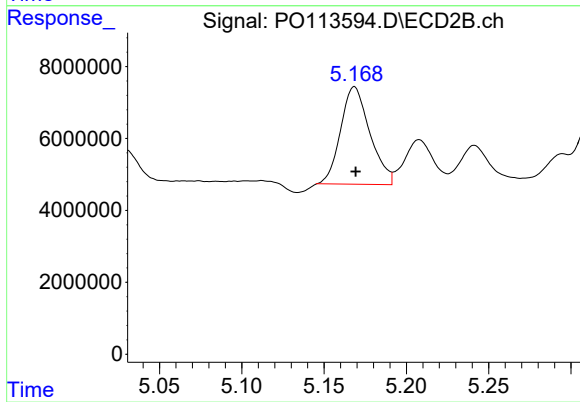
#15 AR-1232-5

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 31591484
Conc: 480.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



#15 AR-1232-5

R.T.: 5.168 min
Delta R.T.: -0.001 min
Response: 33630053
Conc: 497.37 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/09/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 02:02

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.78	6.79	6.69	6.89	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/09/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 02:02

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-3	(3)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-4	(4)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.02
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.61	8.63	8.53	8.73	0.02



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 09/09/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113598.D **Time Analyzed:** 02:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.741	4.648	4.848	541.170	500.000	8.2
Aroclor-1016-2	4.760	4.666	4.866	570.360	500.000	14.1
Aroclor-1016-3	4.817	4.724	4.924	569.040	500.000	13.8
Aroclor-1016-4	4.936	4.843	5.043	547.240	500.000	9.4
Aroclor-1016-5	5.193	5.099	5.299	607.990	500.000	21.6
Aroclor-1260-1	6.227	6.136	6.336	555.640	500.000	11.1
Aroclor-1260-2	6.417	6.326	6.526	563.480	500.000	12.7
Aroclor-1260-3	6.782	6.691	6.891	561.490	500.000	12.3
Aroclor-1260-4	7.040	6.951	7.151	559.130	500.000	11.8
Aroclor-1260-5	7.284	7.194	7.394	554.270	500.000	10.9
Decachlorobiphenyl	8.669	8.582	8.782	53.130	50.000	6.3
Tetrachloro-m-xylene	3.658	3.563	3.763	57.330	50.000	14.7



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 09/09/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113598.D **Time Analyzed:** 02:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.721	4.629	4.829	509.650	500.000	1.9
Aroclor-1016-2	4.740	4.647	4.847	517.470	500.000	3.5
Aroclor-1016-3	4.914	4.822	5.022	537.490	500.000	7.5
Aroclor-1016-4	4.957	4.864	5.064	514.400	500.000	2.9
Aroclor-1016-5	5.168	5.076	5.276	569.490	500.000	13.9
Aroclor-1260-1	6.195	6.104	6.304	480.900	500.000	-3.8
Aroclor-1260-2	6.383	6.292	6.492	468.980	500.000	-6.2
Aroclor-1260-3	6.534	6.443	6.643	435.360	500.000	-12.9
Aroclor-1260-4	7.002	6.912	7.112	445.620	500.000	-10.9
Aroclor-1260-5	7.245	7.155	7.355	433.310	500.000	-13.3
Decachlorobiphenyl	8.614	8.528	8.728	54.970	50.000	9.9
Tetrachloro-m-xylene	3.649	3.555	3.755	54.290	50.000	8.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : PO113598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 02:02
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 15:19:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 15:11:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.658	3.649	469.3E6	274.7E6	57.327	54.286
2) SA Decachlor...	8.669	8.614	368.3E6	104.2E6	53.130	54.973
Target Compounds						
3) L1 AR-1016-1	4.741	4.721	144.5E6	86932958	541.174	509.650
4) L1 AR-1016-2	4.760	4.740	229.0E6	133.3E6	570.362	517.469
5) L1 AR-1016-3	4.817	4.914	145.1E6	75041753	569.040	537.493
6) L1 AR-1016-4	4.936	4.957	119.3E6	60029809	547.242	514.399
7) L1 AR-1016-5	5.193	5.168	134.7E6	81169716	607.993	569.492
31) L7 AR-1260-1	6.227	6.195	247.8E6	122.7E6	555.637	480.901
32) L7 AR-1260-2	6.417	6.383	387.0E6	162.1E6	563.477	468.976
33) L7 AR-1260-3	6.782	6.534	346.7E6	129.5E6	561.487	435.363
34) L7 AR-1260-4	7.040	7.002	250.4E6	92354511	559.134	445.620
35) L7 AR-1260-5	7.284	7.245	671.0E6	203.0E6	554.265	433.313

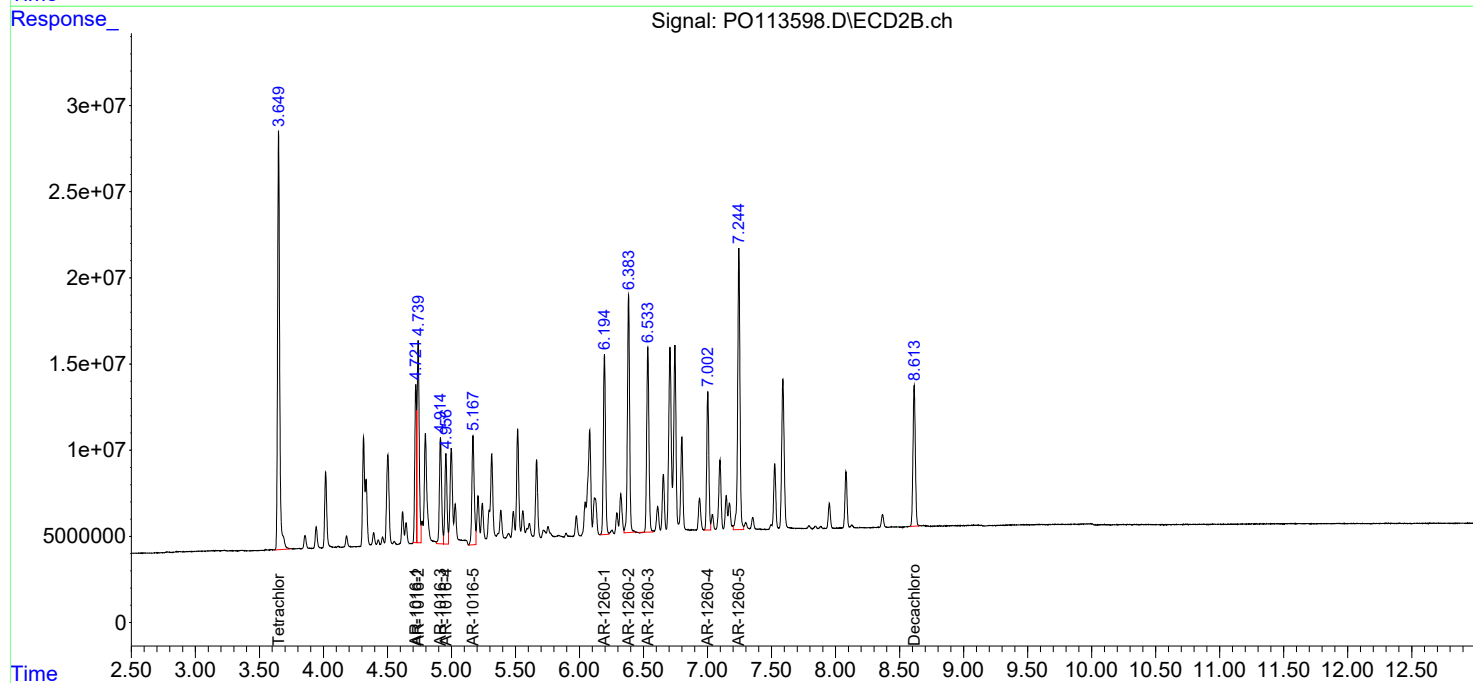
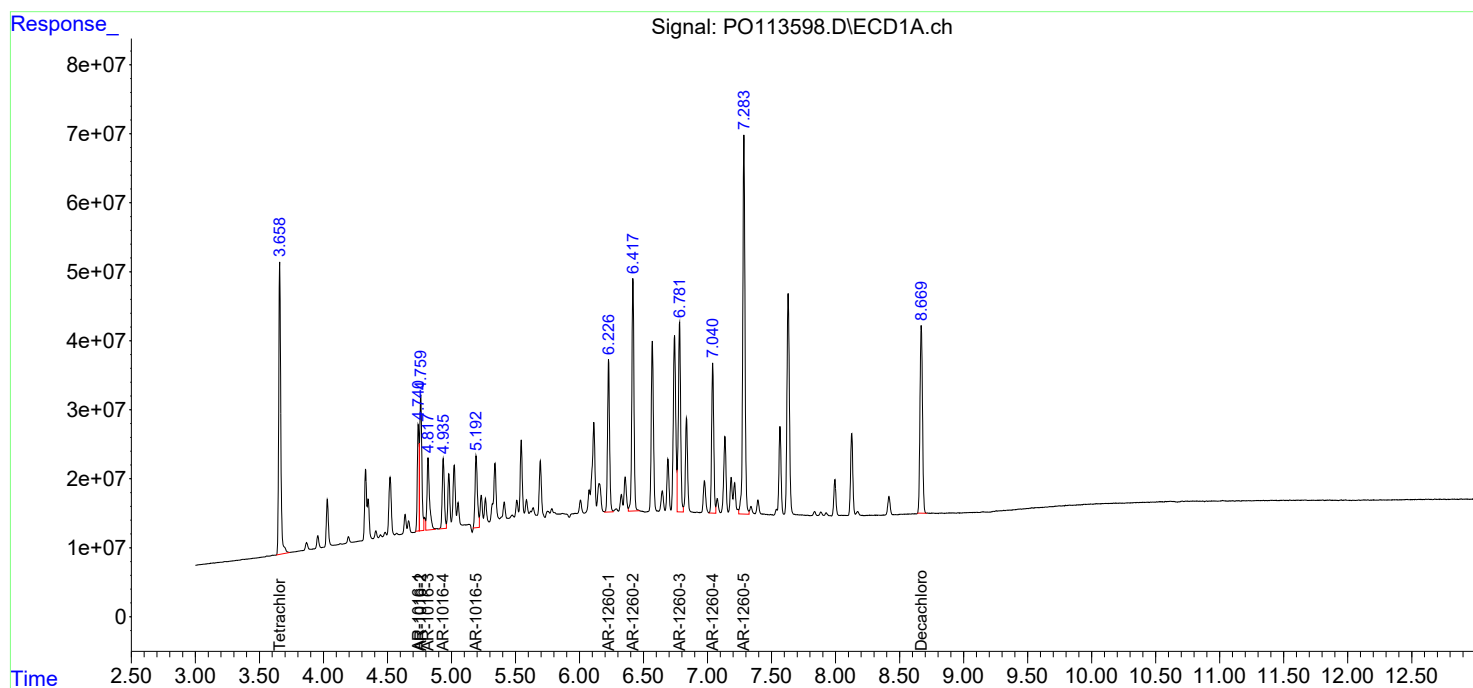
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

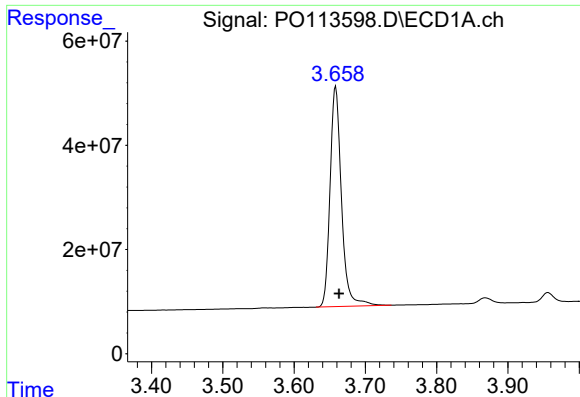
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 02:02
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:19:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

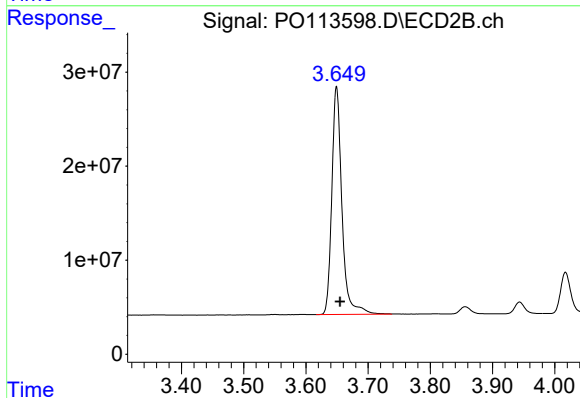




#1 Tetrachloro-m-xylene

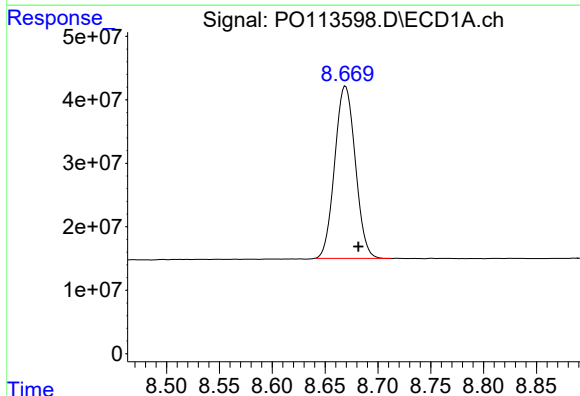
R.T.: 3.658 min
Delta R.T.: -0.005 min
Response: 469310696
Conc: 57.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



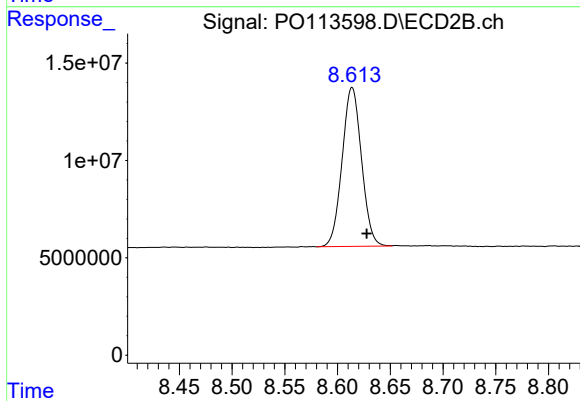
#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: -0.006 min
Response: 274723040
Conc: 54.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: -0.012 min
Response: 368265837
Conc: 53.13 ng/ml

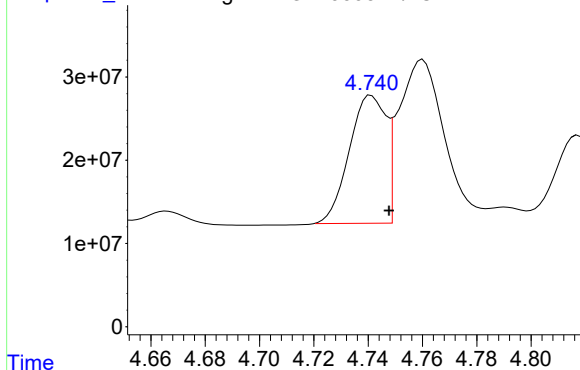


#2 Decachlorobiphenyl

R.T.: 8.614 min
Delta R.T.: -0.014 min
Response: 104164736
Conc: 54.97 ng/ml

Response_ Signal: PO113598.D\ECD1A.ch

#3 AR-1016-1

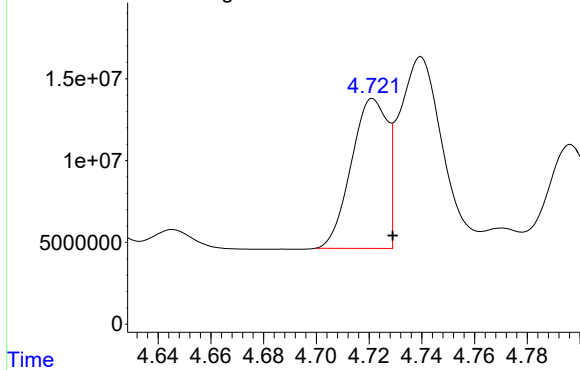


R.T.: 4.741 min
Delta R.T.: -0.006 min
Response: 144485112
Conc: 541.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Response_ Signal: PO113598.D\ECD2B.ch

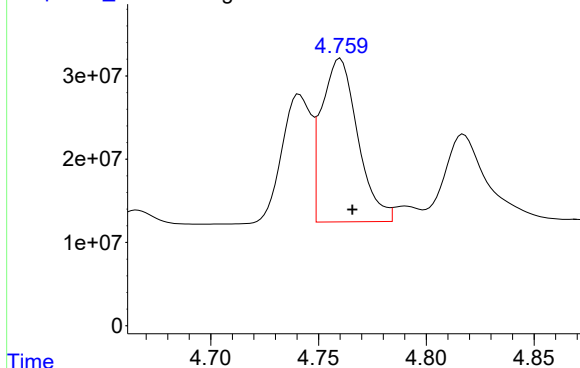
#3 AR-1016-1



R.T.: 4.721 min
Delta R.T.: -0.008 min
Response: 86932958
Conc: 509.65 ng/ml

Response_ Signal: PO113598.D\ECD1A.ch

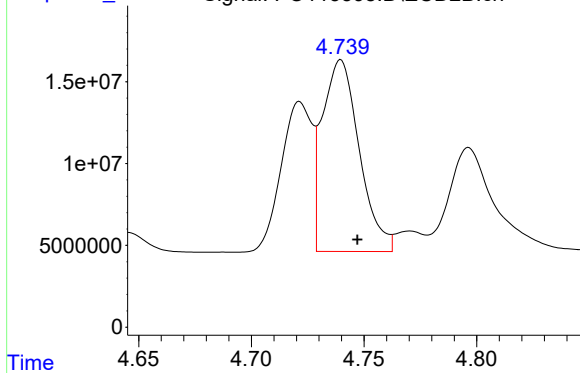
#4 AR-1016-2



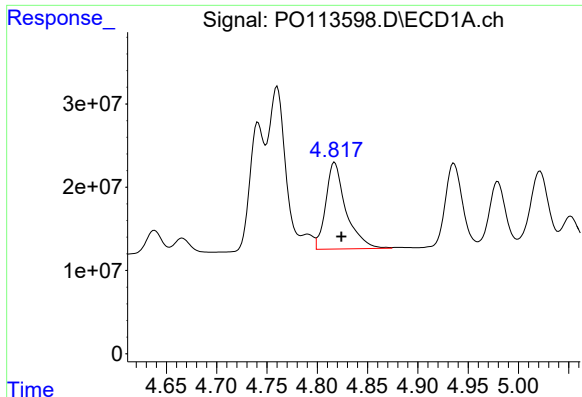
R.T.: 4.760 min
Delta R.T.: -0.006 min
Response: 228961134
Conc: 570.36 ng/ml

Response_ Signal: PO113598.D\ECD2B.ch

#4 AR-1016-2



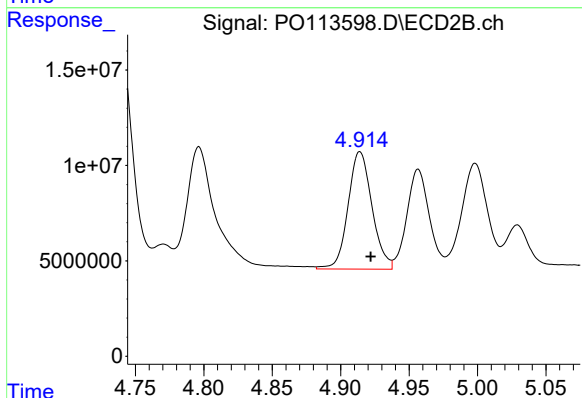
R.T.: 4.740 min
Delta R.T.: -0.007 min
Response: 133329019
Conc: 517.47 ng/ml



#5 AR-1016-3

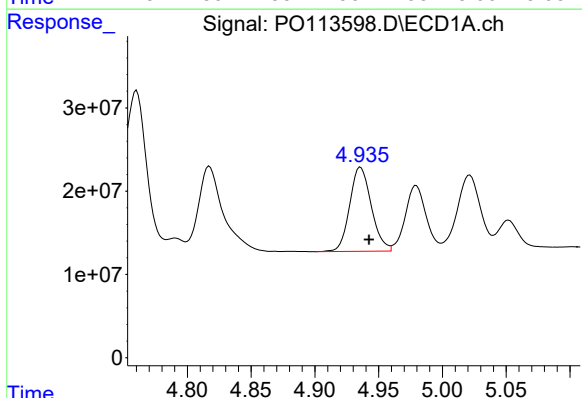
R.T.: 4.817 min
Delta R.T.: -0.007 min
Response: 145117912
Conc: 569.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



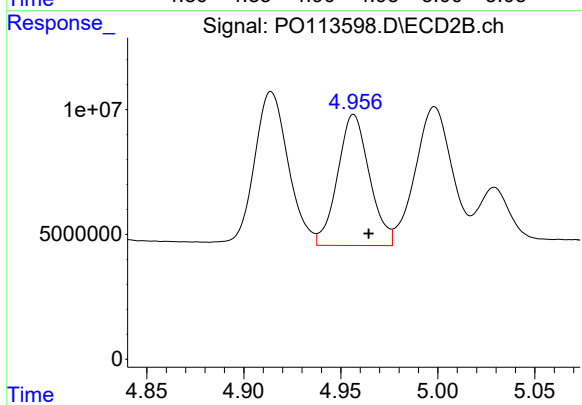
#5 AR-1016-3

R.T.: 4.914 min
Delta R.T.: -0.008 min
Response: 75041753
Conc: 537.49 ng/ml



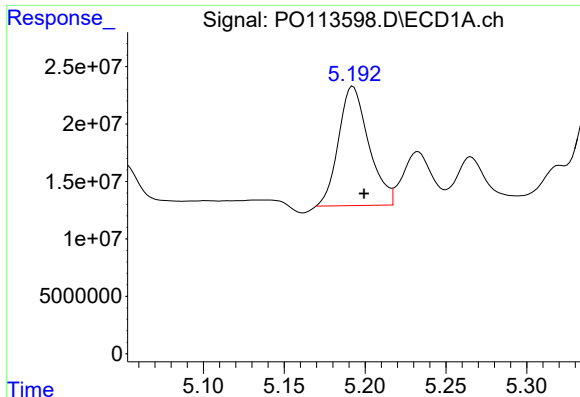
#6 AR-1016-4

R.T.: 4.936 min
Delta R.T.: -0.007 min
Response: 119335933
Conc: 547.24 ng/ml



#6 AR-1016-4

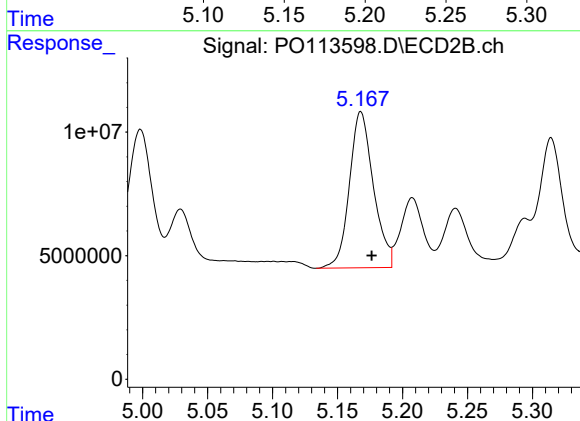
R.T.: 4.957 min
Delta R.T.: -0.008 min
Response: 60029809
Conc: 514.40 ng/ml



#7 AR-1016-5

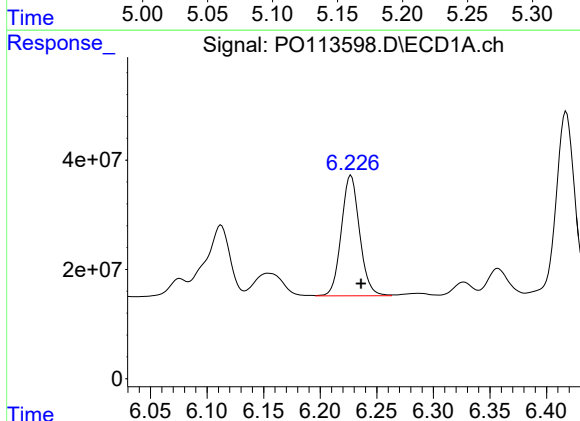
R.T.: 5.193 min
Delta R.T.: -0.007 min
Response: 134748277
Conc: 607.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



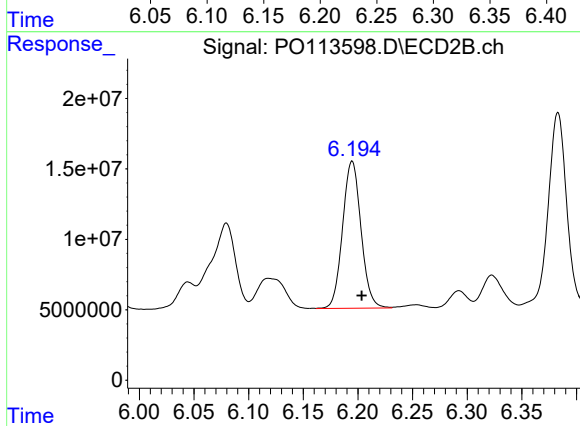
#7 AR-1016-5

R.T.: 5.168 min
Delta R.T.: -0.008 min
Response: 81169716
Conc: 569.49 ng/ml



#31 AR-1260-1

R.T.: 6.227 min
Delta R.T.: -0.009 min
Response: 247803392
Conc: 555.64 ng/ml



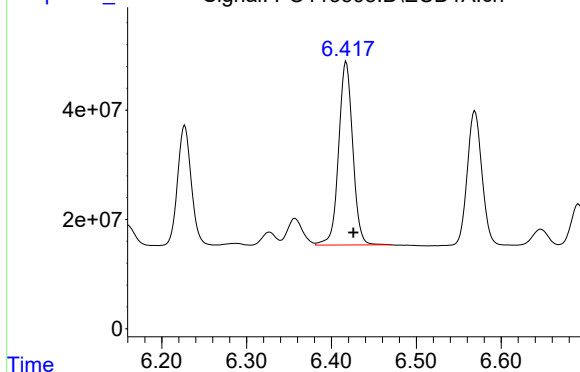
#31 AR-1260-1

R.T.: 6.195 min
Delta R.T.: -0.009 min
Response: 122662816
Conc: 480.90 ng/ml

Response_

Signal: PO113598.D\ECD1A.ch

#32 AR-1260-2



R.T.: 6.417 min
Delta R.T.: -0.008 min
Response: 386951934
Conc: 563.48 ng/ml

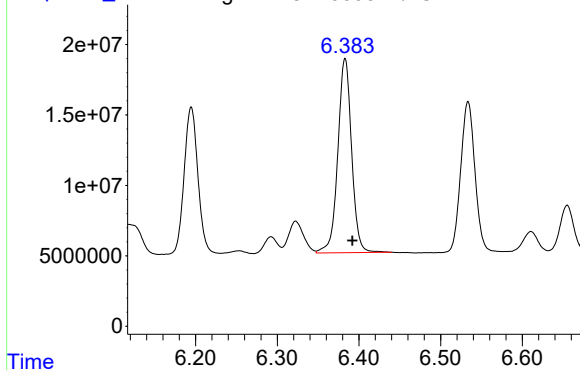
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Time

Response_

Signal: PO113598.D\ECD2B.ch

#32 AR-1260-2



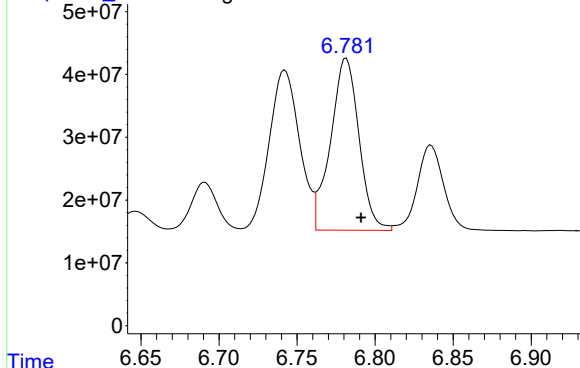
R.T.: 6.383 min
Delta R.T.: -0.009 min
Response: 162130538
Conc: 468.98 ng/ml

Time

Response_

Signal: PO113598.D\ECD1A.ch

#33 AR-1260-3



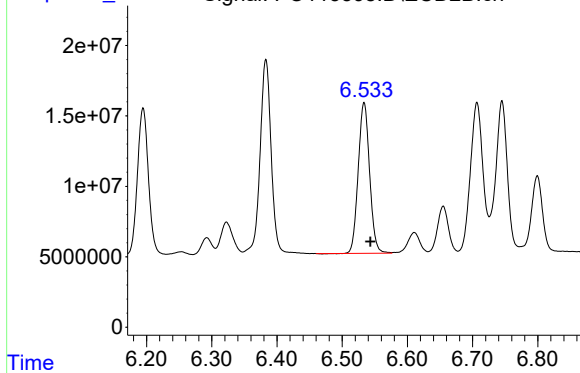
R.T.: 6.782 min
Delta R.T.: -0.009 min
Response: 346703125
Conc: 561.49 ng/ml

Time

Response_

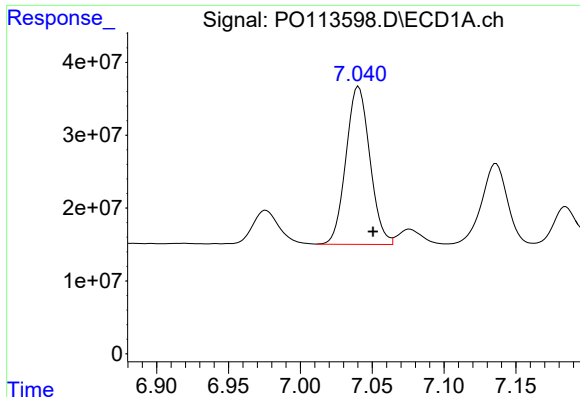
Signal: PO113598.D\ECD2B.ch

#33 AR-1260-3



R.T.: 6.534 min
Delta R.T.: -0.010 min
Response: 129491794
Conc: 435.36 ng/ml

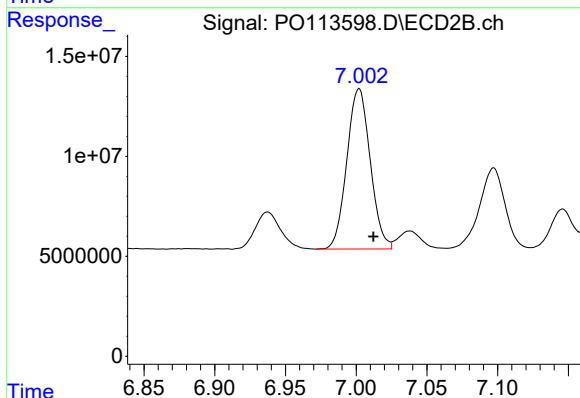
Time



#34 AR-1260-4

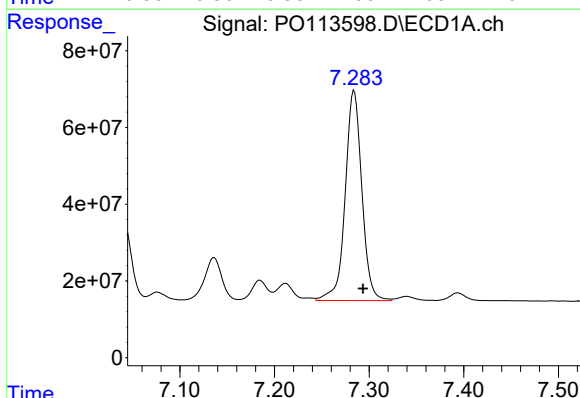
R.T.: 7.040 min
Delta R.T.: -0.010 min
Response: 250421662
Conc: 559.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



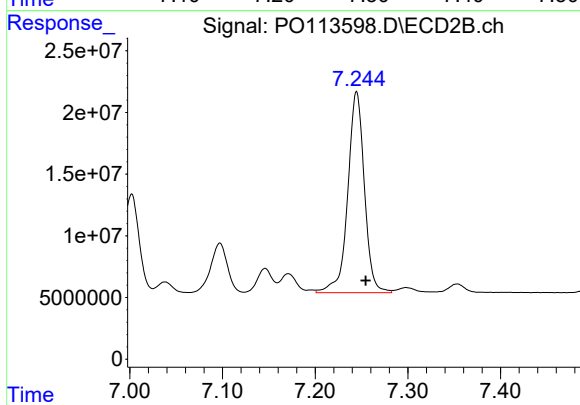
#34 AR-1260-4

R.T.: 7.002 min
Delta R.T.: -0.010 min
Response: 92354511
Conc: 445.62 ng/ml



#35 AR-1260-5

R.T.: 7.284 min
Delta R.T.: -0.010 min
Response: 671040322
Conc: 554.27 ng/ml



#35 AR-1260-5

R.T.: 7.245 min
Delta R.T.: -0.010 min
Response: 202976714
Conc: 433.31 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/09/2025

Initial Calibration Date(s): 09/08/2025

09/08/2025

Continuing Calib Time: 02:57

Initial Calibration Time(s): 20:32

21:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1232-1	(1)	4.03	4.03	3.93	4.13	0.00
Aroclor-1232-2	(2)	4.52	4.52	4.42	4.62	0.00
Aroclor-1232-3	(3)	4.76	4.76	4.66	4.86	0.00
Aroclor-1232-4	(4)	4.94	4.94	4.84	5.04	0.01
Aroclor-1232-5	(5)	4.98	4.98	4.88	5.08	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/09/2025

Initial Calibration Date(s): 09/08/2025

09/08/2025

Continuing Calib Time: 02:57

Initial Calibration Time(s): 20:32

21:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1232-1	(1)	4.02	4.02	3.92	4.12	0.00
Aroclor-1232-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1232-3	(3)	4.91	4.91	4.81	5.01	0.00
Aroclor-1232-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1232-5	(5)	5.17	5.17	5.07	5.27	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.61	8.62	8.52	8.72	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/08/2025 09/08/2025

Client Sample No.: CCAL06 **Date Analyzed:** 09/09/2025
Lab Sample No.: AR1232CCC500 **Data File :** PO113599.D **Time Analyzed:** 02:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1232-1	4.030	3.930	4.130	517.770	500.000	3.6
Aroclor-1232-2	4.520	4.421	4.621	494.720	500.000	-1.1
Aroclor-1232-3	4.760	4.660	4.860	524.340	500.000	4.9
Aroclor-1232-4	4.935	4.836	5.036	528.140	500.000	5.6
Aroclor-1232-5	4.979	4.879	5.079	484.930	500.000	-3.0
Decachlorobiphenyl	8.668	8.570	8.770	52.850	50.000	5.7
Tetrachloro-m-xylene	3.658	3.558	3.758	57.360	50.000	14.7



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/08/2025 09/08/2025

Client Sample No.: CCAL06 **Date Analyzed:** 09/09/2025
Lab Sample No.: AR1232CCC500 **Data File :** PO113599.D **Time Analyzed:** 02:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1232-1	4.017	3.917	4.117	519.510	500.000	3.9
Aroclor-1232-2	4.739	4.640	4.840	521.790	500.000	4.4
Aroclor-1232-3	4.914	4.814	5.014	539.520	500.000	7.9
Aroclor-1232-4	4.998	4.898	5.098	538.660	500.000	7.7
Aroclor-1232-5	5.168	5.069	5.269	540.520	500.000	8.1
Decachlorobiphenyl	8.614	8.515	8.715	54.390	50.000	8.8
Tetrachloro-m-xylene	3.649	3.549	3.749	52.360	50.000	4.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
 Data File : PO113599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 02:57
 Operator : YP/AJ
 Sample : AR1232CCC500
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 15:20:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 09 15:11:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : 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...	3.658	3.649	469.6E6	265.0E6	57.358	52.364
2) SA Decachlor...	8.668	8.614	366.4E6	103.1E6	52.854	54.392
Target Compounds						
11) L3 AR-1232-1	4.030	4.017	92954436	62826149	517.774	519.513
12) L3 AR-1232-2	4.520	4.739	53388255	63683883	494.715	521.786
13) L3 AR-1232-3	4.760	4.914	103.5E6	35692244	524.335	539.517
14) L3 AR-1232-4	4.935	4.998	51912206	32280960	528.136	538.658
15) L3 AR-1232-5	4.979	5.168	31899456	36548134	484.925	540.524

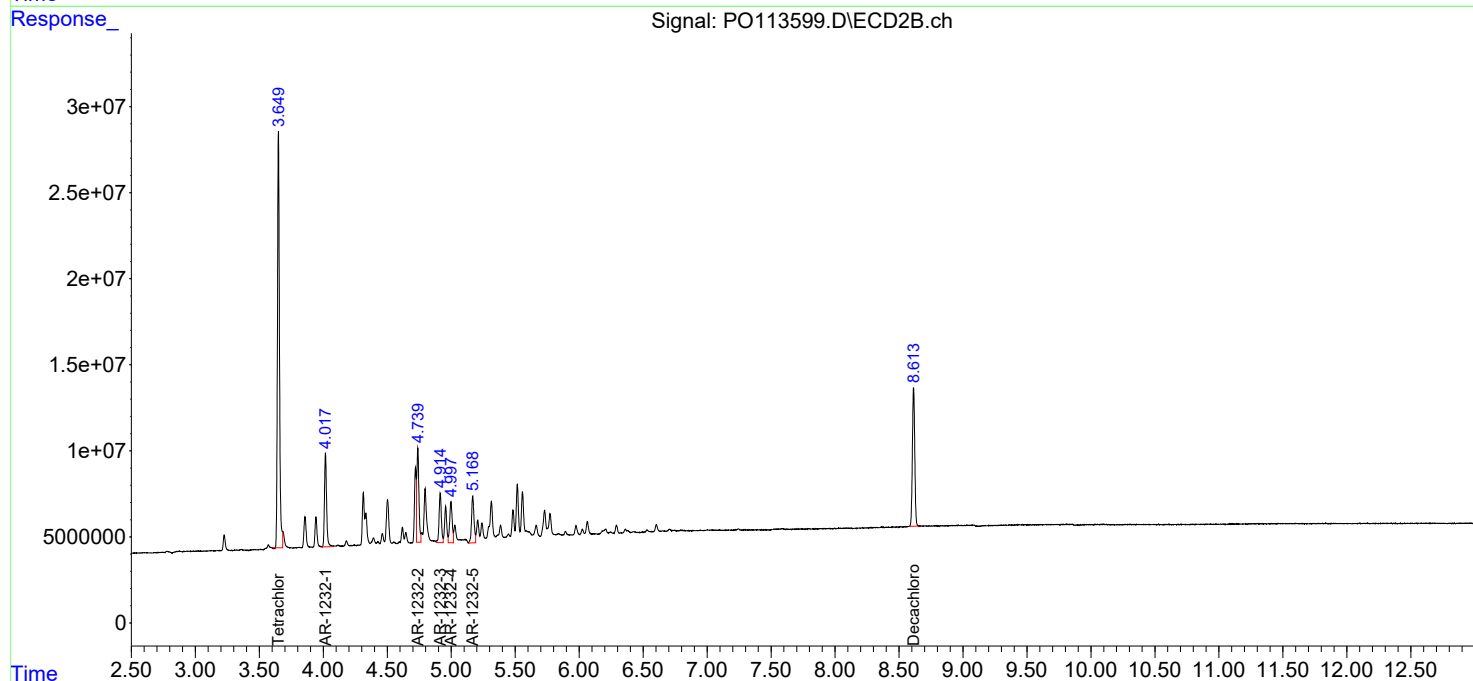
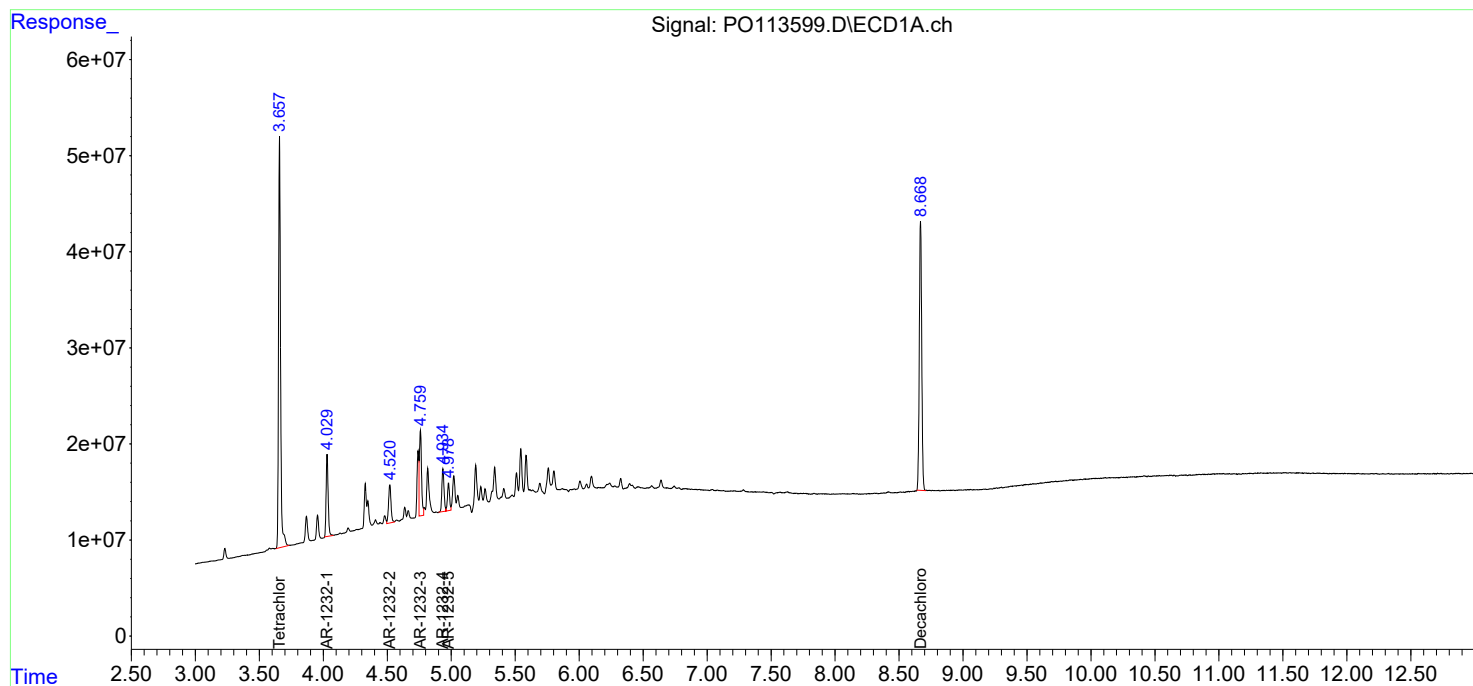
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

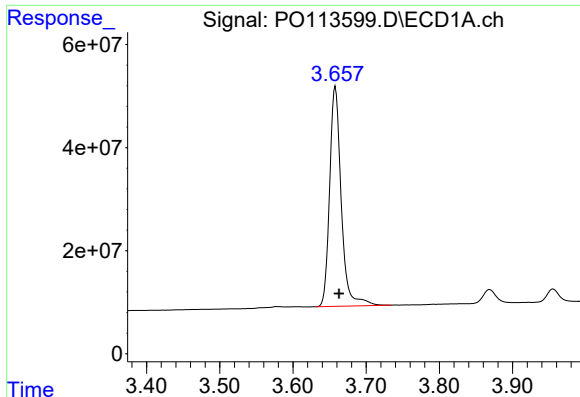
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 02:57
Operator : YP/AJ
Sample : AR1232CCC500
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:20:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

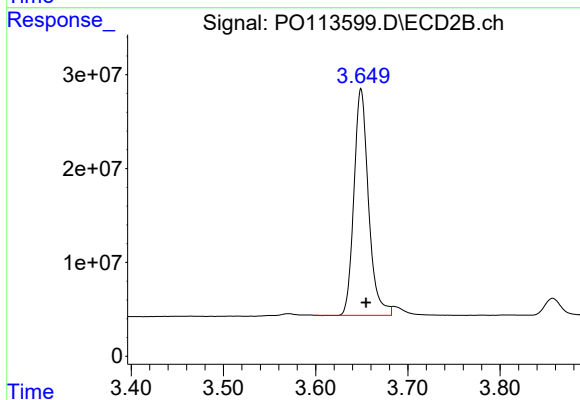




#1 Tetrachloro-m-xylene

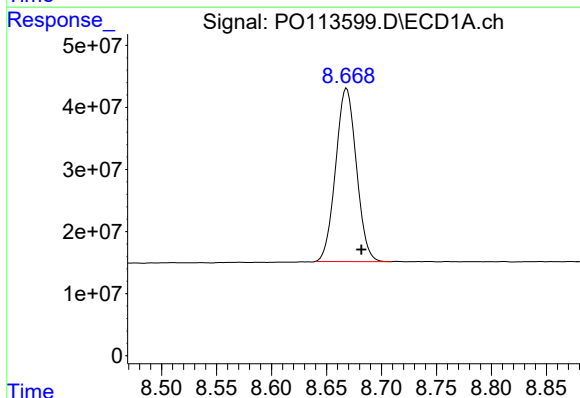
R.T.: 3.658 min
Delta R.T.: -0.005 min
Response: 469565275
Conc: 57.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500



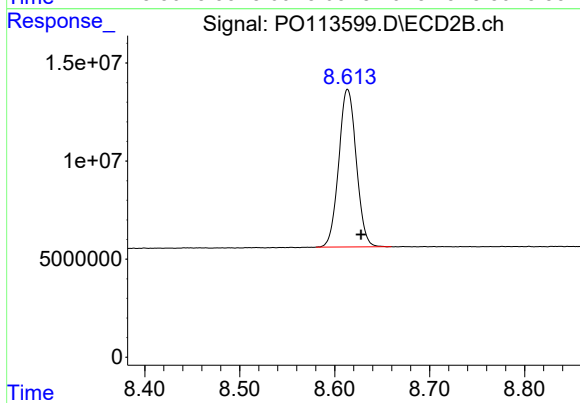
#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: -0.006 min
Response: 264993516
Conc: 52.36 ng/ml



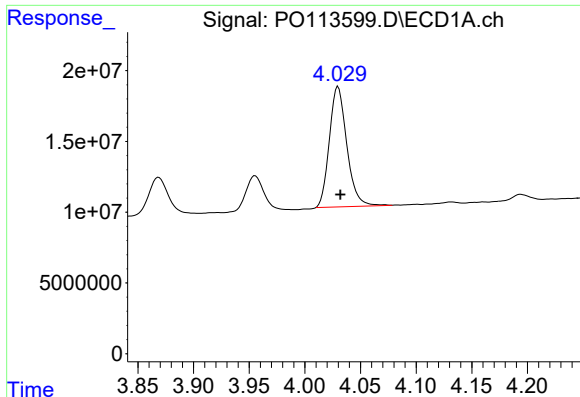
#2 Decachlorobiphenyl

R.T.: 8.668 min
Delta R.T.: -0.013 min
Response: 366355859
Conc: 52.85 ng/ml



#2 Decachlorobiphenyl

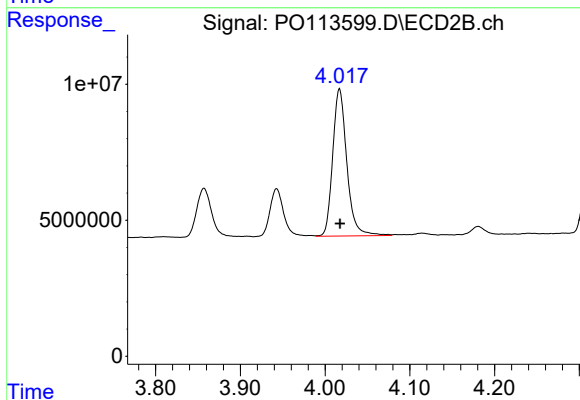
R.T.: 8.614 min
Delta R.T.: -0.014 min
Response: 103064103
Conc: 54.39 ng/ml



#11 AR-1232-1

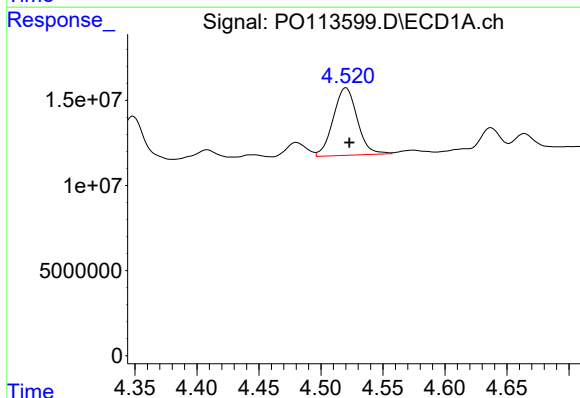
R.T.: 4.030 min
Delta R.T.: -0.002 min
Response: 92954436
Conc: 517.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500



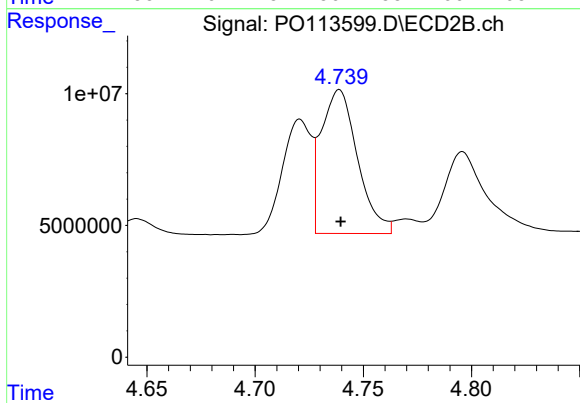
#11 AR-1232-1

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 62826149
Conc: 519.51 ng/ml



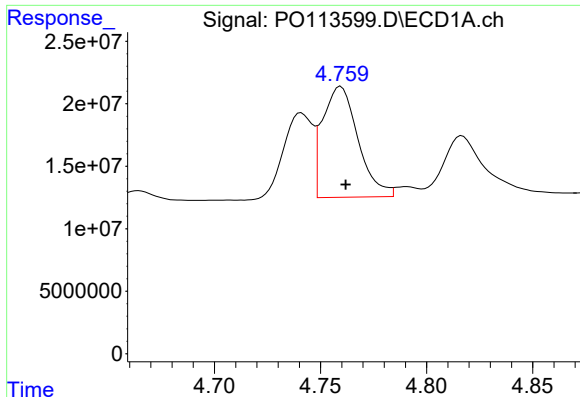
#12 AR-1232-2

R.T.: 4.520 min
Delta R.T.: -0.003 min
Response: 53388255
Conc: 494.72 ng/ml



#12 AR-1232-2

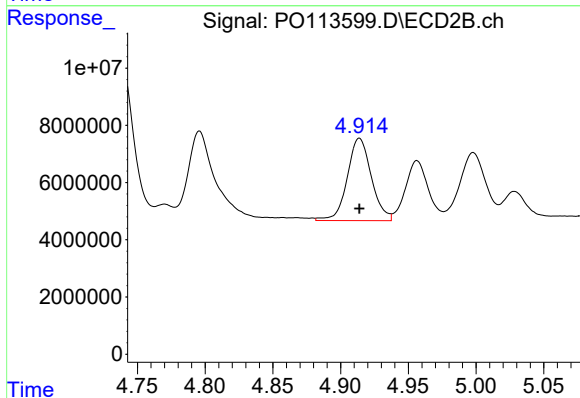
R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 63683883
Conc: 521.79 ng/ml



#13 AR-1232-3

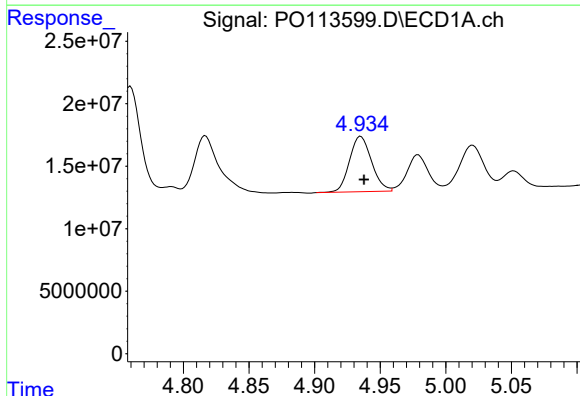
R.T.: 4.760 min
Delta R.T.: -0.002 min
Response: 103501387
Conc: 524.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500



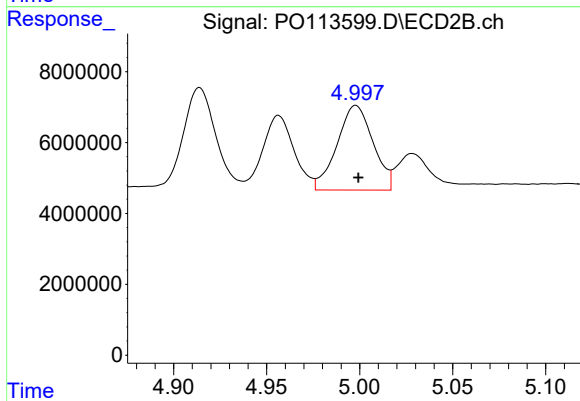
#13 AR-1232-3

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 35692244
Conc: 539.52 ng/ml



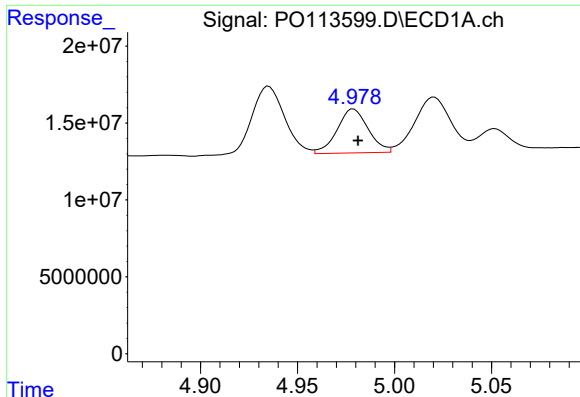
#14 AR-1232-4

R.T.: 4.935 min
Delta R.T.: -0.002 min
Response: 51912206
Conc: 528.14 ng/ml



#14 AR-1232-4

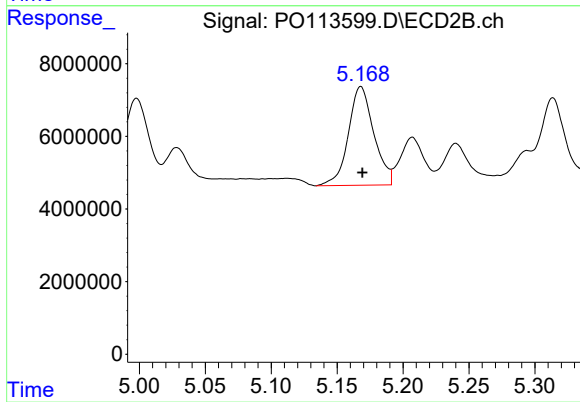
R.T.: 4.998 min
Delta R.T.: -0.001 min
Response: 32280960
Conc: 538.66 ng/ml



#15 AR-1232-5

R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 31899456
Conc: 484.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232CCC500



#15 AR-1232-5

R.T.: 5.168 min
Delta R.T.: -0.001 min
Response: 36548134
Conc: 540.52 ng/ml

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3015

Project: NJ Waste Water PT

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 08/18/2025 08/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/18/2025	09:34	PO113002.D	8.68	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.68	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.68	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.68	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.68	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.68	3.66
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.68	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.68	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.68	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.68	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.68	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.68	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.68	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.68	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.68	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.68	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.68	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.68	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.68	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.68	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.68	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.68	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.68	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.68	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.68	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.68	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.68	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.68	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.68	3.66
AR1660CCC500	AR1660CCC500	09/08/2025	11:29	PO113568.D	8.67	3.66
IBLK	IBLK	09/08/2025	12:46	PO113572.D	8.67	3.66
PB169600BL	PB169600BL	09/08/2025	14:41	PO113573.D	8.67	3.66
PB169600BS	PB169600BS	09/08/2025	15:21	PO113575.D	8.67	3.66
PB169600BSD	PB169600BSD	09/08/2025	15:39	PO113576.D	8.67	3.66
AR1660CCC500	AR1660CCC500	09/08/2025	17:47	PO113580.D	8.67	3.66
IBLK	IBLK	09/08/2025	19:38	PO113584.D	8.67	3.66
IBLK	IBLK	09/08/2025	20:14	PO113586.D	8.67	3.66
AR1232ICC1000	AR1232ICC1000	09/08/2025	20:32	PO113587.D	8.67	3.66
AR1232ICC750	AR1232ICC750	09/08/2025	20:51	PO113588.D	8.67	3.66
AR1232ICC500	AR1232ICC500	09/08/2025	21:09	PO113589.D	8.67	3.66
AR1232ICC250	AR1232ICC250	09/08/2025	21:27	PO113590.D	8.67	3.66
AR1232ICC050	AR1232ICC050	09/08/2025	21:46	PO113591.D	8.67	3.66

Analytical Sequence

AR1660CCC500	AR1660CCC500	09/08/2025	22:59	PO113593.D	8.67	3.66
AR1232CCC500	AR1232CCC500	09/09/2025	00:11	PO113594.D	8.67	3.66
LBLK	LBLK	09/09/2025	00:30	PO113595.D	8.67	3.66
WP0925-PT-PCBW-WP	Q3015-15	09/09/2025	01:07	PO113597.D	8.67	3.66
AR1660CCC500	AR1660CCC500	09/09/2025	02:02	PO113598.D	8.67	3.66
AR1232CCC500	AR1232CCC500	09/09/2025	02:57	PO113599.D	8.67	3.66
LBLK	LBLK	09/09/2025	04:10	PO113600.D	8.68	3.66

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3015

Project: NJ Waste Water PT

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 08/18/2025

08/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/18/2025	09:34	PO113002.D	8.63	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.63	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.63	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.63	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.63	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.63	3.65
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.63	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.63	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.63	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.63	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.63	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.63	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.63	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.63	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.63	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.63	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.63	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.63	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.63	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.63	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.63	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.63	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.63	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.63	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.63	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.63	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.63	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.63	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.63	3.66
AR1660CCC500	AR1660CCC500	09/08/2025	11:29	PO113568.D	8.61	3.65
IBLK	IBLK	09/08/2025	12:46	PO113572.D	8.62	3.65
PB169600BL	PB169600BL	09/08/2025	14:41	PO113573.D	8.61	3.65
PB169600BS	PB169600BS	09/08/2025	15:21	PO113575.D	8.62	3.65
PB169600BSD	PB169600BSD	09/08/2025	15:39	PO113576.D	8.62	3.65
AR1660CCC500	AR1660CCC500	09/08/2025	17:47	PO113580.D	8.62	3.65
IBLK	IBLK	09/08/2025	19:38	PO113584.D	8.62	3.65
IBLK	IBLK	09/08/2025	20:14	PO113586.D	8.62	3.65
AR1232ICC1000	AR1232ICC1000	09/08/2025	20:32	PO113587.D	8.62	3.65
AR1232ICC750	AR1232ICC750	09/08/2025	20:51	PO113588.D	8.62	3.65
AR1232ICC500	AR1232ICC500	09/08/2025	21:09	PO113589.D	8.62	3.65
AR1232ICC250	AR1232ICC250	09/08/2025	21:27	PO113590.D	8.61	3.65
AR1232ICC050	AR1232ICC050	09/08/2025	21:46	PO113591.D	8.62	3.65

Analytical Sequence

AR1660CCC500	AR1660CCC500	09/08/2025	22:59	PO113593.D	8.61	3.65
AR1232CCC500	AR1232CCC500	09/09/2025	00:11	PO113594.D	8.62	3.65
LBLK	LBLK	09/09/2025	00:30	PO113595.D	8.61	3.65
WP0925-PT-PCBW-WP	Q3015-15	09/09/2025	01:07	PO113597.D	8.61	3.65
AR1660CCC500	AR1660CCC500	09/09/2025	02:02	PO113598.D	8.61	3.65
AR1232CCC500	AR1232CCC500	09/09/2025	02:57	PO113599.D	8.61	3.65
LBLK	LBLK	09/09/2025	04:10	PO113600.D	8.62	3.65



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169600BS

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169600BS

Date(s) Analyzed: 09/08/2025 09/08/2025

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 PO113575.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.745	4.695	4.795	4.56	4.60	9.09
COLUMN 1	2	4.763	4.713	4.813	4.73		
	3	4.82	4.77	4.87	4.71		
	4	4.939	4.889	4.989	4.39		
	5	5.196	5.146	5.246	4.44		
	1	4.722	4.672	4.772	4.15		
COLUMN 2	2	4.74	4.69	4.79	4.28	4.20	
	3	4.914	4.864	4.964	4.15		
	4	4.957	4.907	5.007	4.05		
	5	5.169	5.119	5.219	4.20		
Aroclor-1260	1	6.232	6.182	6.282	4.84	4.40	14.63
COLUMN 1	2	6.421	6.371	6.471	4.79		
	3	6.786	6.736	6.836	4.14		
	4	7.044	6.994	7.094	4.14		
	5	7.289	7.239	7.339	4.13		
	1	6.196	6.146	6.246	4.20		
COLUMN 2	2	6.383	6.333	6.433	3.99	3.80	
	3	6.535	6.485	6.585	3.86		
	4	7.004	6.954	7.054	3.48		
	5	7.246	7.196	7.296	3.41		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169600BSD

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169600BSD

Date(s) Analyzed: 09/08/2025 09/08/2025

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 PO113576.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.743	4.693	4.793	4.55	4.60	9.09
COLUMN 1	2	4.761	4.711	4.811	4.81		
	3	4.818	4.768	4.868	4.84		
	4	4.936	4.886	4.986	4.48		
	5	5.194	5.144	5.244	4.42		
COLUMN 2	1	4.722	4.672	4.772	4.19	4.20	
	2	4.739	4.689	4.789	4.33		
	3	4.914	4.864	4.964	4.19		
	4	4.957	4.907	5.007	4.07		
	5	5.169	5.119	5.219	4.26		
Aroclor-1260	1	6.229	6.179	6.279	4.86	4.50	16.87
COLUMN 1	2	6.418	6.368	6.468	4.86		
	3	6.783	6.733	6.833	4.21		
	4	7.042	6.992	7.092	4.21		
	5	7.286	7.236	7.336	4.19		
COLUMN 2	1	6.195	6.145	6.245	4.19	3.80	
	2	6.383	6.333	6.433	4.00		
	3	6.534	6.484	6.584	3.86		
	4	7.003	6.953	7.053	3.42		
	5	7.246	7.196	7.296	3.35		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WP0925-PT-PCBW-WP

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-15

Date(s) Analyzed: 09/09/2025 09/09/2025

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 PO113597.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1232	1	4.03	3.98	4.08	6.75	7.00	2.9
COLUMN 1	2	4.521	4.471	4.571	6.41		
	3	4.76	4.71	4.81	7.16		
	4	4.936	4.886	4.986	7.46		
	5	4.979	4.929	5.029	7.09		
	1	4.018	3.968	4.068	6.73		
COLUMN 2	2	4.739	4.689	4.789	6.93	6.80	
	3	4.913	4.863	4.963	7.06		
	4	4.998	4.948	5.048	6.73		
	5	5.168	5.118	5.218	6.61		



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169600BL	SDG No.:	Q3015
Lab Sample ID:	PB169600BL	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113573.D	1	09/08/25 10:00	09/08/25 14:41	PB169600

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		30 - 173	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		10 - 173	109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090825\
Data File : PO113573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 14:41
Operator : YP/AJ
Sample : PB169600BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB169600BL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:14:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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...	3.658	3.648	179.9E6	103.5E6	21.971	20.451m
2) SA Decachlor...	8.672	8.614	145.9E6	41481589	21.050	21.892m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO090825\
Data File : PO113573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 14:41
Operator : YP/AJ
Sample : PB169600BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

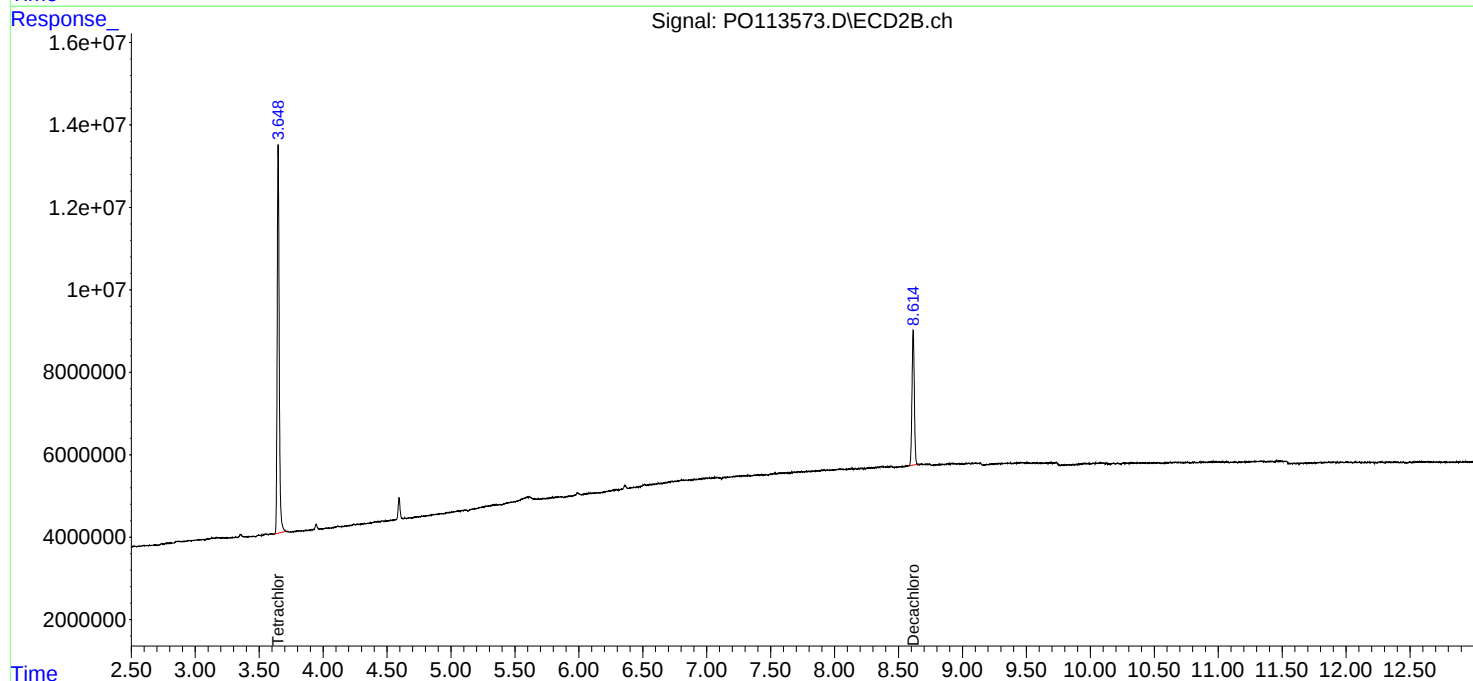
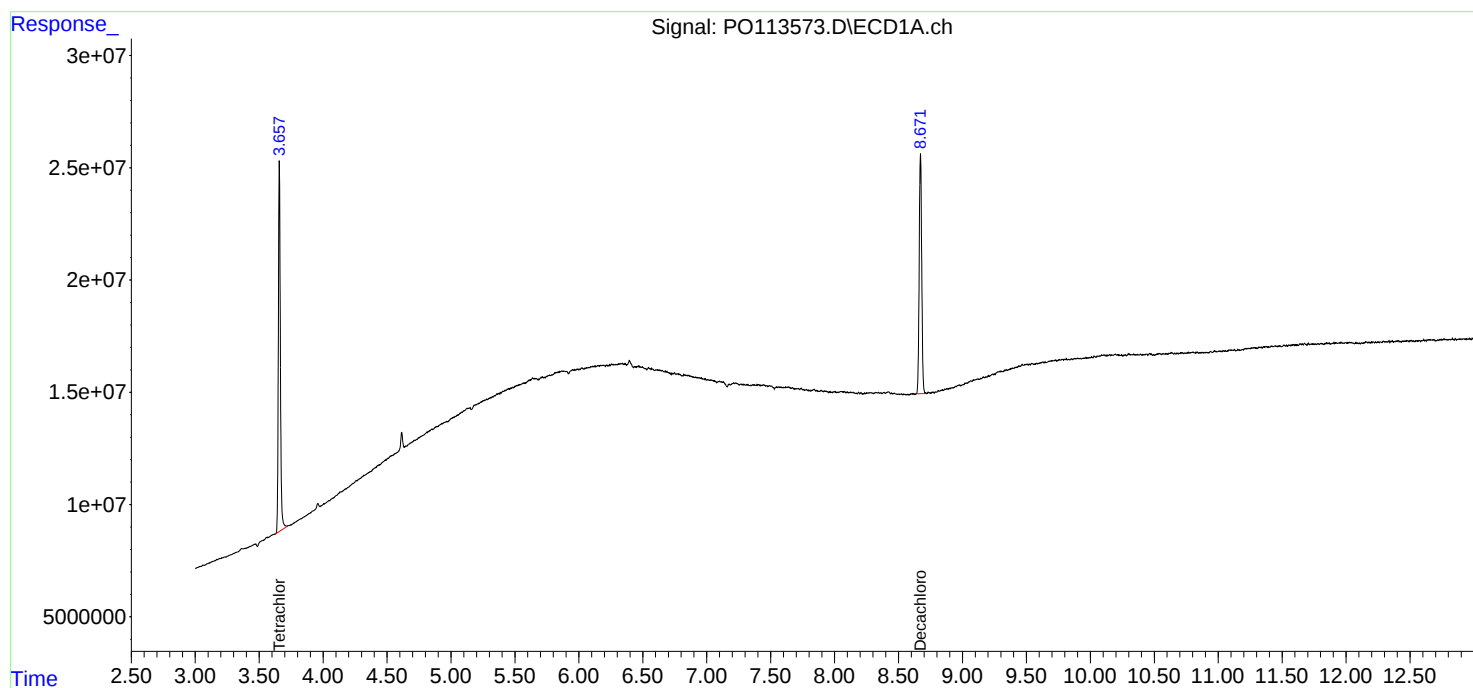
Instrument :
ECD_0
ClientSampleId :
PB169600BL

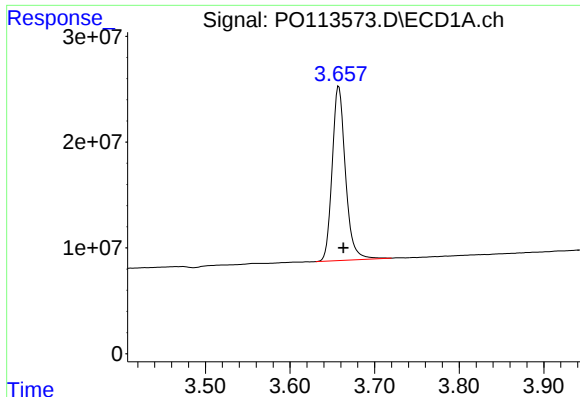
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:14:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





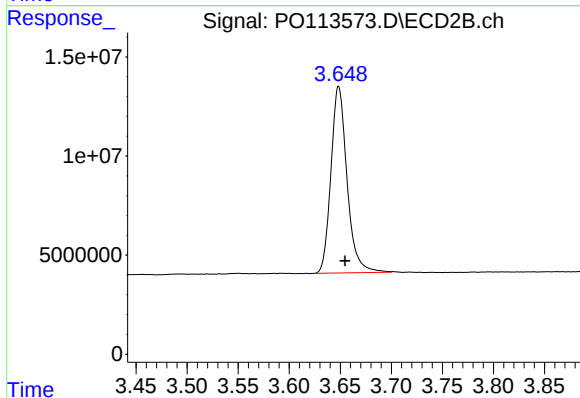
#1 Tetrachloro-m-xylene

R.T.: 3.658 min
Delta R.T.: -0.005 min
Response: 179867715
Conc: 21.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BL

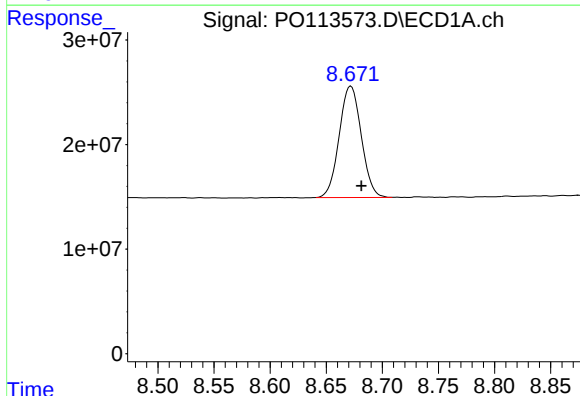
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



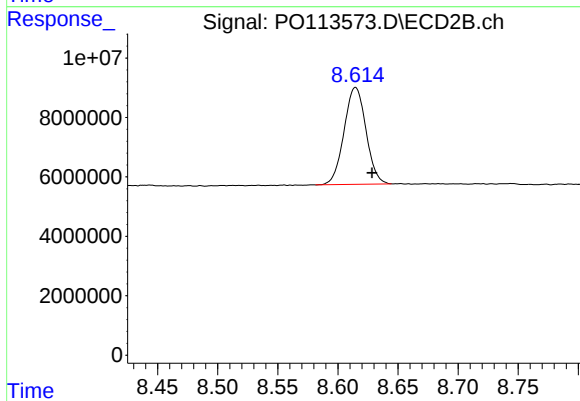
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: -0.007 min
Response: 103492897
Conc: 20.45 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.010 min
Response: 145906268
Conc: 21.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.614 min
Delta R.T.: -0.014 min
Response: 41481589
Conc: 21.89 ng/ml m

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	08/18/25
Project:	NJ Waste Water PT	Date Received:	08/18/25
Client Sample ID:	PIBLK-PO113002.D	SDG No.:	Q3015
Lab Sample ID:	I.BLK-PO113002.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113002.D	1		08/18/25	PO081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.6		60 - 140	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
 Data File : PO113002.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 09:34
 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: Aug 19 06:11:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.663	3.655	136.1E6	85350797	16.620	16.866
2) SA Decachlor...	8.682	8.627	119.0E6	34312580	17.168	18.108

Target Compounds

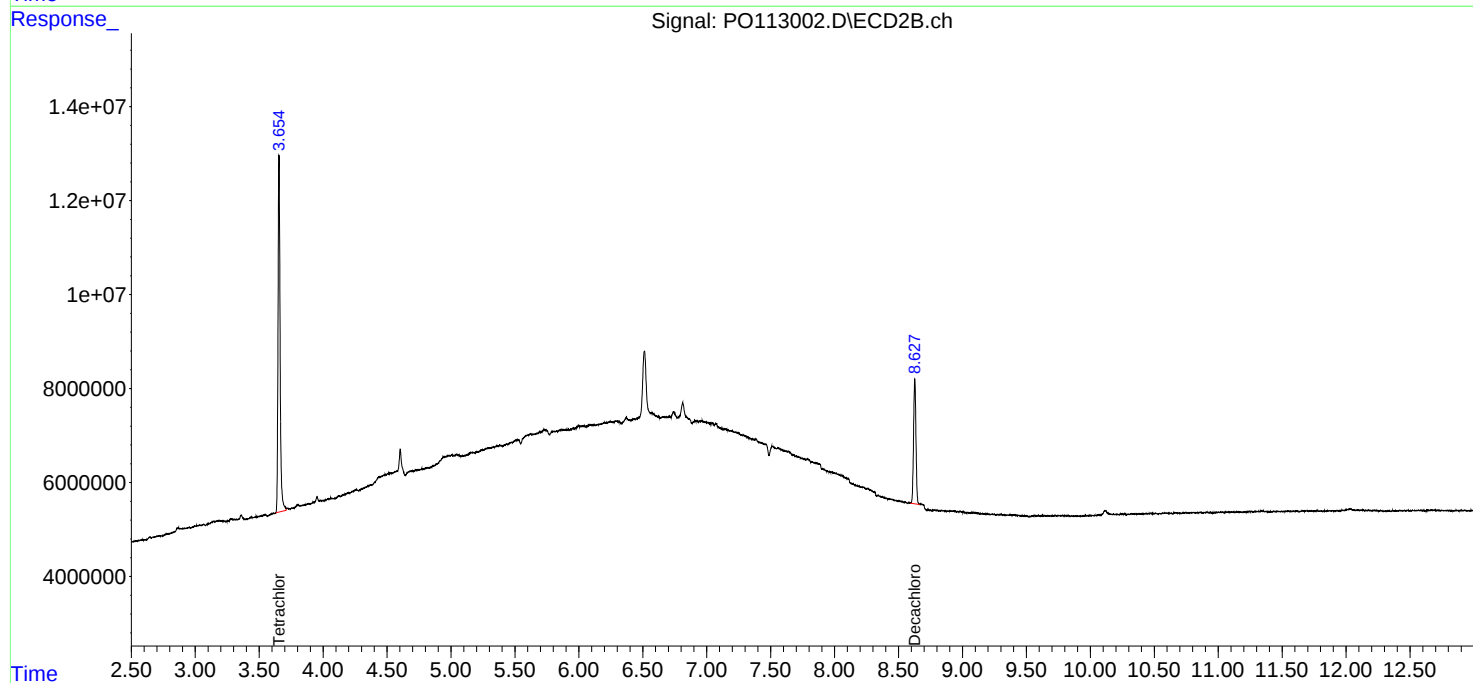
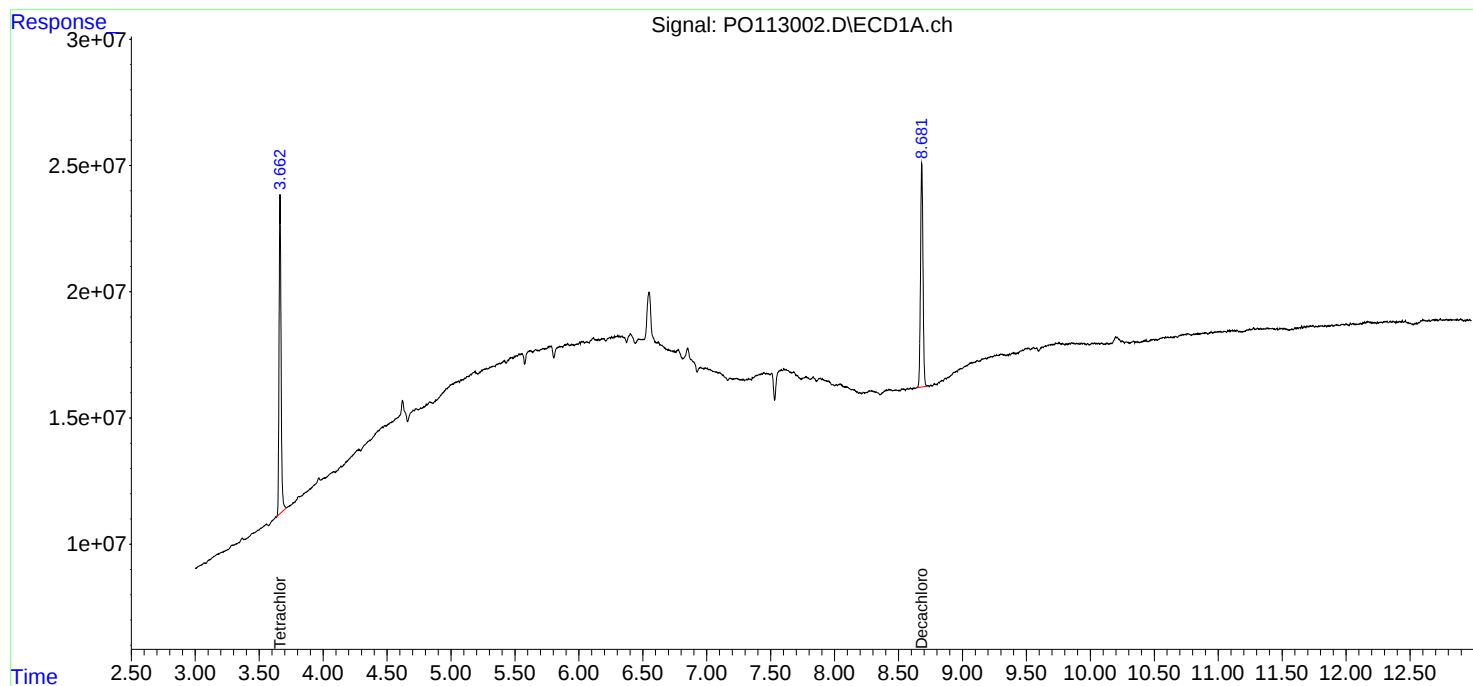
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

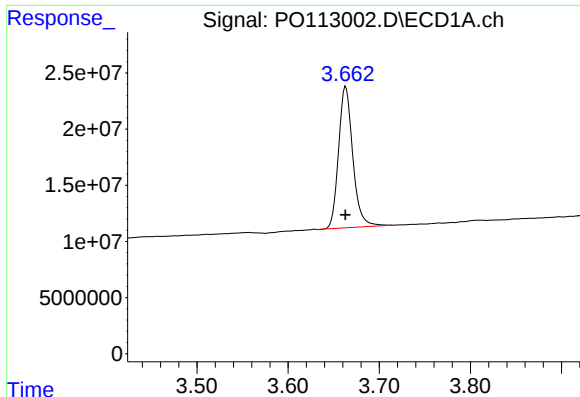
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081825\
Data File : PO113002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 09:34
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:11:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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

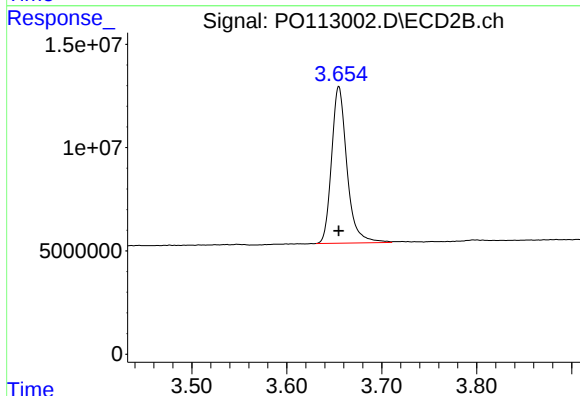




#1 Tetrachloro-m-xylene

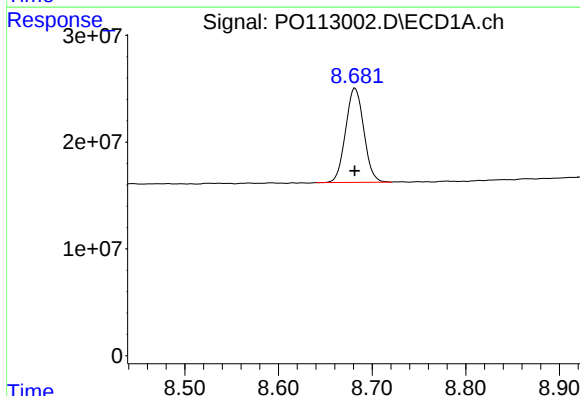
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 136059721
Conc: 16.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



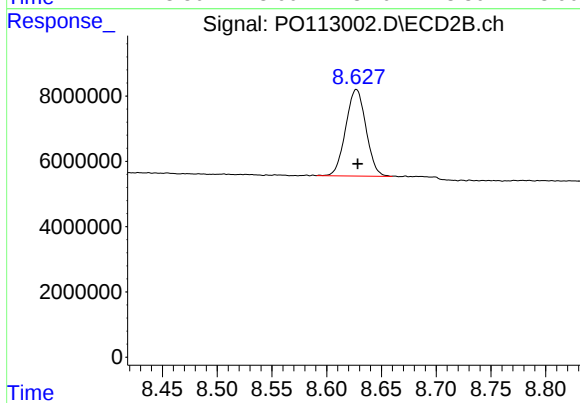
#1 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 85350797
Conc: 16.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 119000321
Conc: 17.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.627 min
Delta R.T.: -0.001 min
Response: 34312580
Conc: 18.11 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/08/25	
Project:	NJ Waste Water PT		Date Received:	09/08/25	
Client Sample ID:	PIBLK-PO113572.D		SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PO113572.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113572.D	1		09/08/25	PO090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.3		60 - 140	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090825\
 Data File : PO113572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 12:46
 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: Sep 08 23:13:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.659	3.650	148.1E6	85490933	18.089	16.893
2) SA Decachlor...	8.671	8.615	119.9E6	34338787	17.301	18.122

Target Compounds

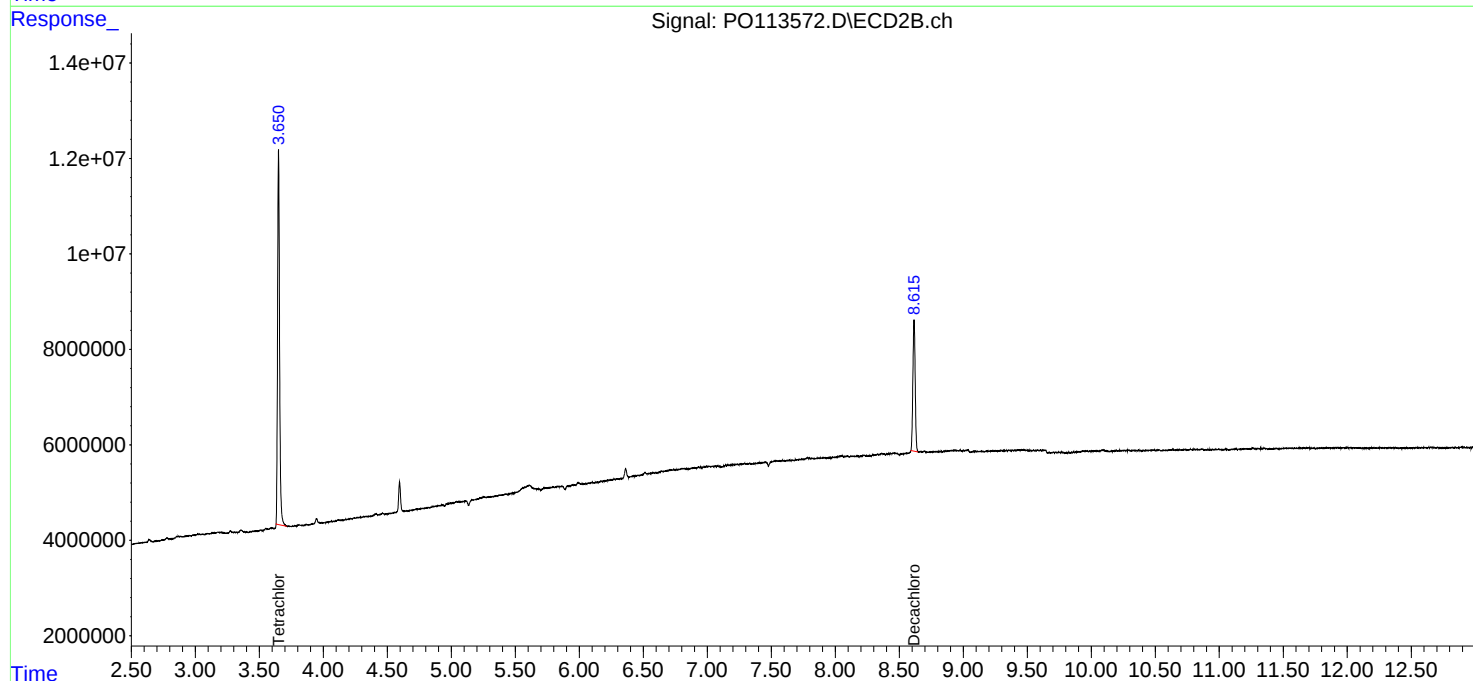
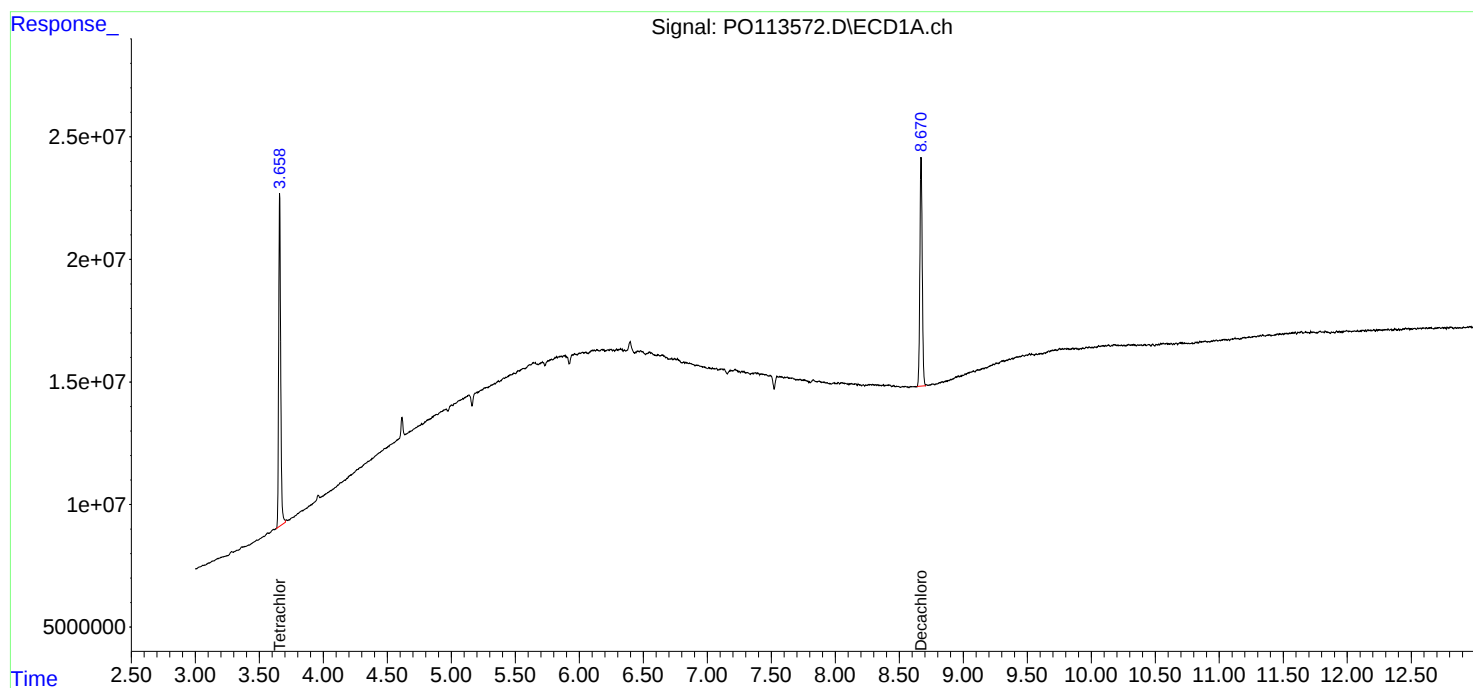
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

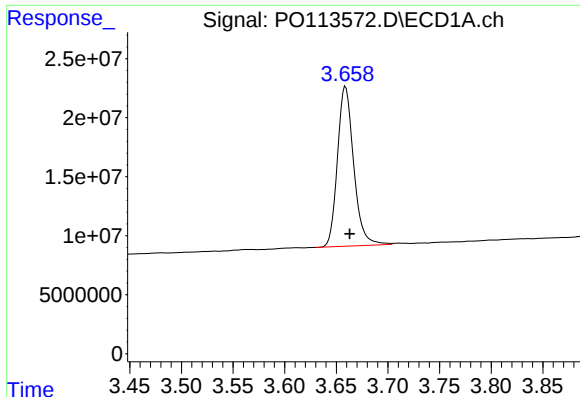
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090825\
Data File : PO113572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 12:46
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:13:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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

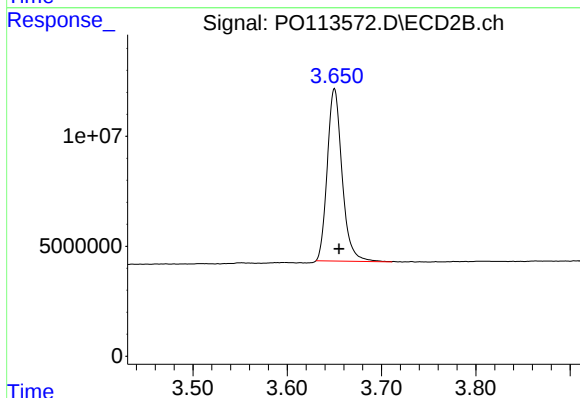




#1 Tetrachloro-m-xylene

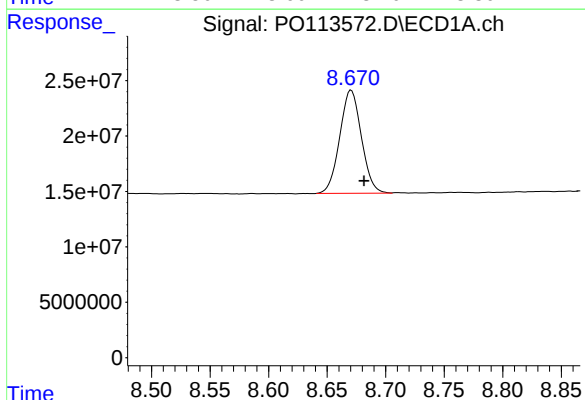
R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 148087570
Conc: 18.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



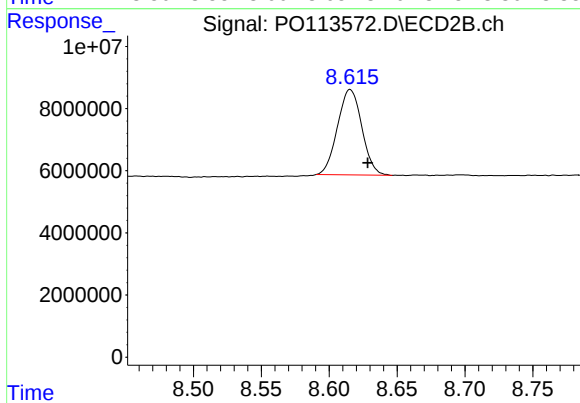
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.005 min
Response: 85490933
Conc: 16.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: -0.011 min
Response: 119922505
Conc: 17.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.615 min
Delta R.T.: -0.013 min
Response: 34338787
Conc: 18.12 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/08/25
Project:	NJ Waste Water PT	Date Received:	09/08/25
Client Sample ID:	PIBLK-PO113584.D	SDG No.:	Q3015
Lab Sample ID:	I.BLK-PO113584.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113584.D	1		09/08/25	PO090825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		60 - 140	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		60 - 140	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090825\
Data File : PO113584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 19:38
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: Sep 08 23:19:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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...	3.660	3.651	149.8E6	87638462	18.299	17.318
2)	SA Decachlor...	8.671	8.616	123.7E6	34970533	17.853	18.456

Target Compounds

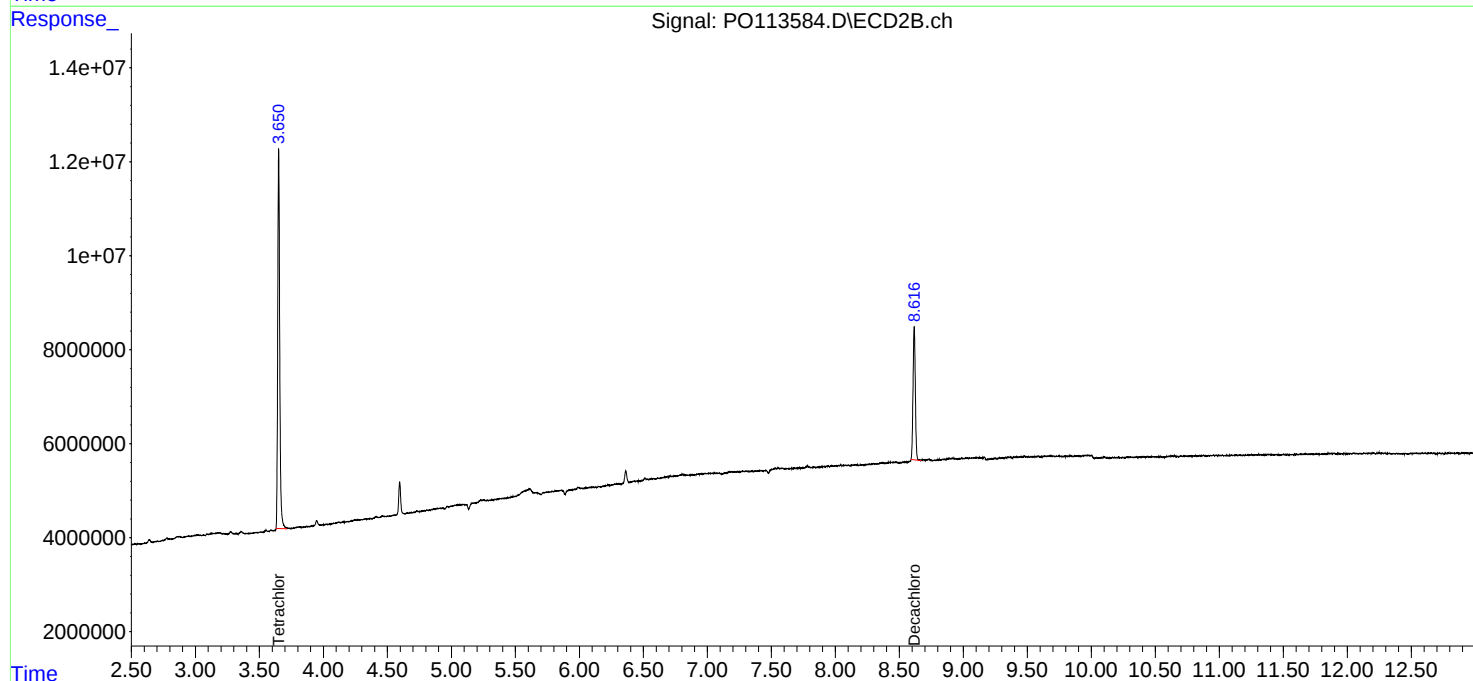
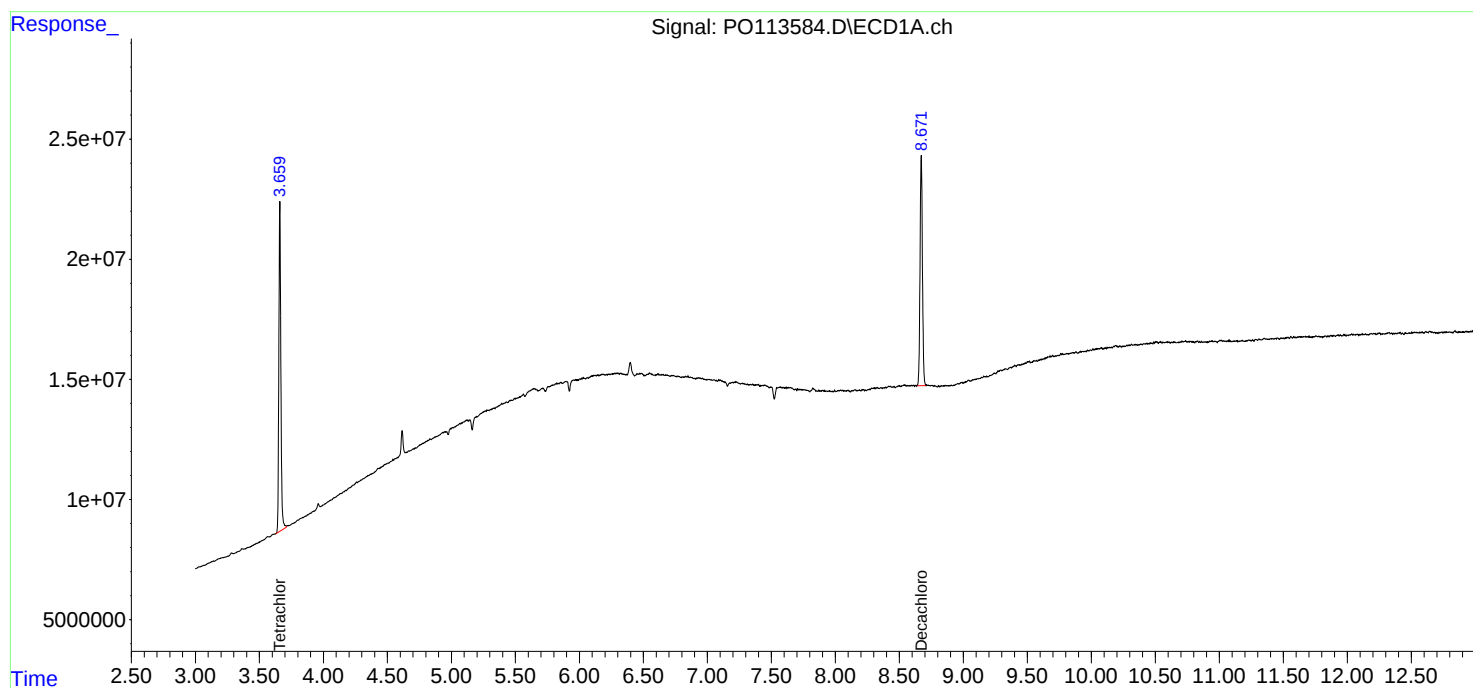
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

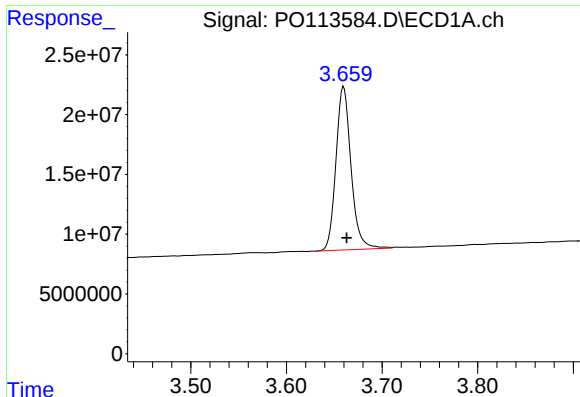
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090825\
Data File : PO113584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 19:38
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:19:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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

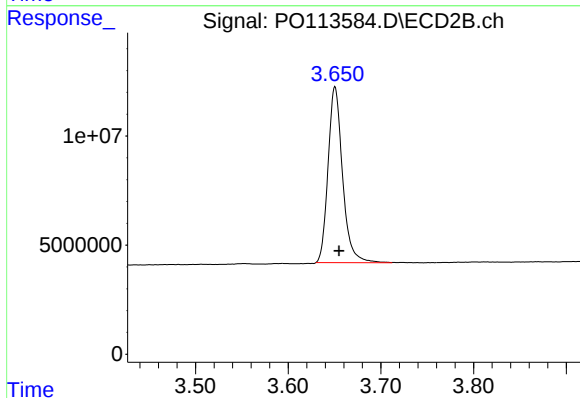




#1 Tetrachloro-m-xylene

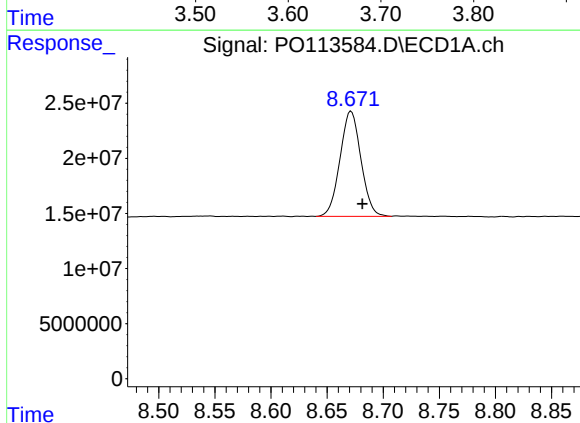
R.T.: 3.660 min
Delta R.T.: -0.003 min
Response: 149805932
Conc: 18.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



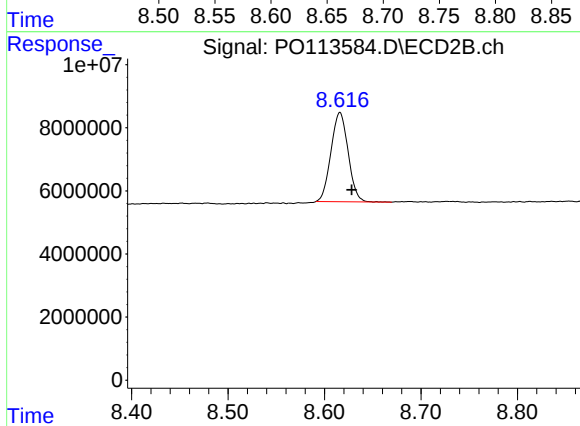
#1 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.004 min
Response: 87638462
Conc: 17.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: -0.010 min
Response: 123745635
Conc: 17.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.616 min
Delta R.T.: -0.012 min
Response: 34970533
Conc: 18.46 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/08/25	
Project:	NJ Waste Water PT		Date Received:	09/08/25	
Client Sample ID:	PIBLK-PO113586.D		SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PO113586.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113586.D	1		09/08/25	PO090925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.8		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		60 - 140	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
Data File : P0113586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 20:14
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: Sep 09 15:02:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:59:57 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...	3.659	3.650	150.4E6	89110647	16.765	16.904
2)	SA Decachlor...	8.670	8.615	123.3E6	35359624	17.877	18.252

Target Compounds

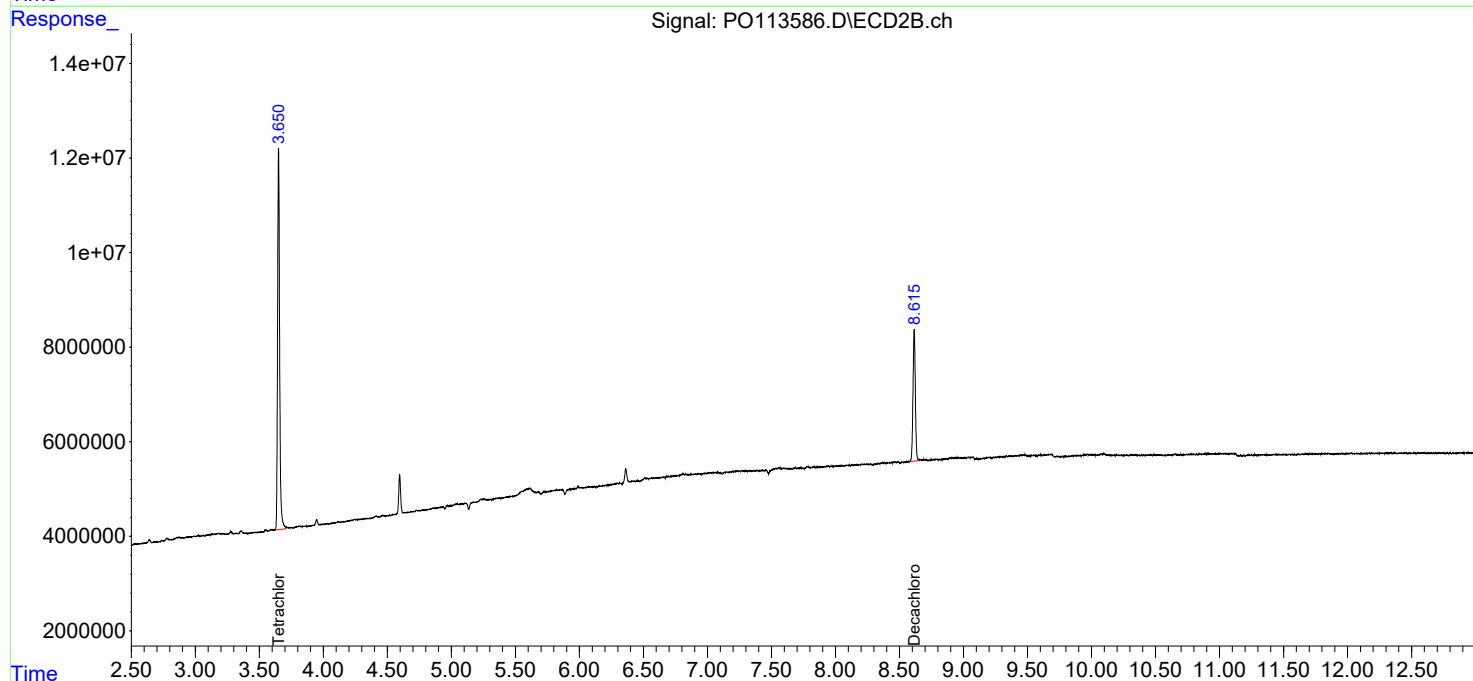
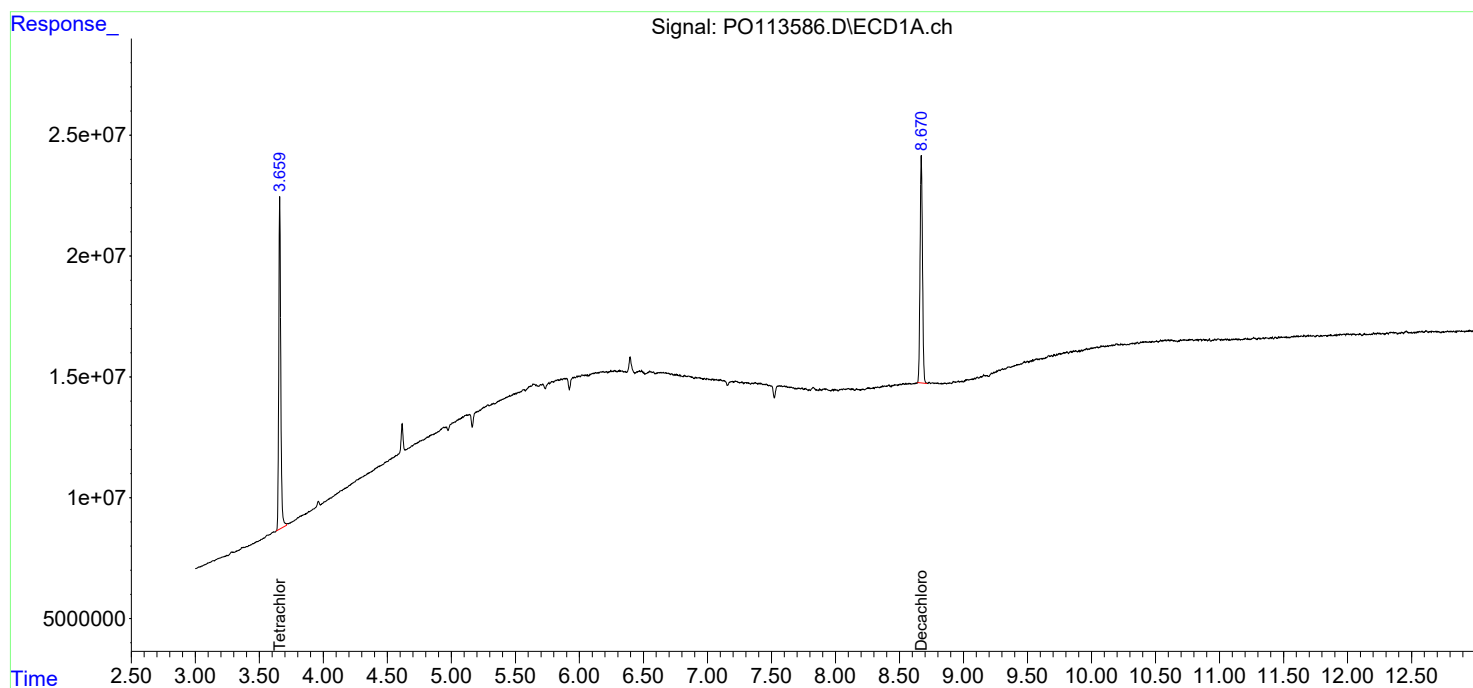
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

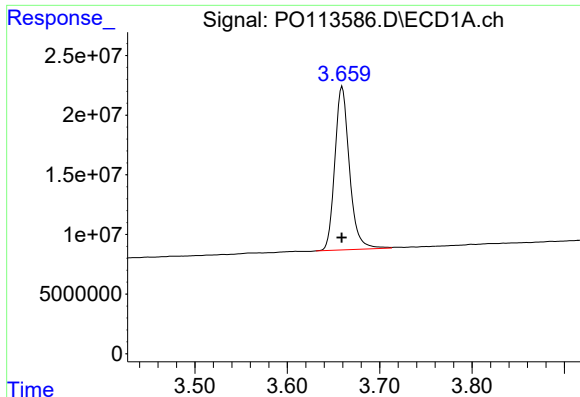
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 20:14
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:02:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 14:59:57 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

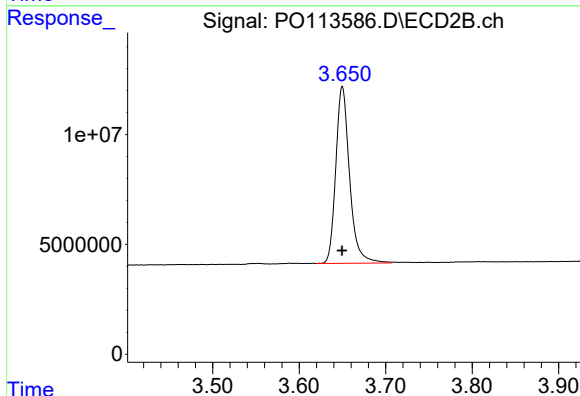




#1 Tetrachloro-m-xylene

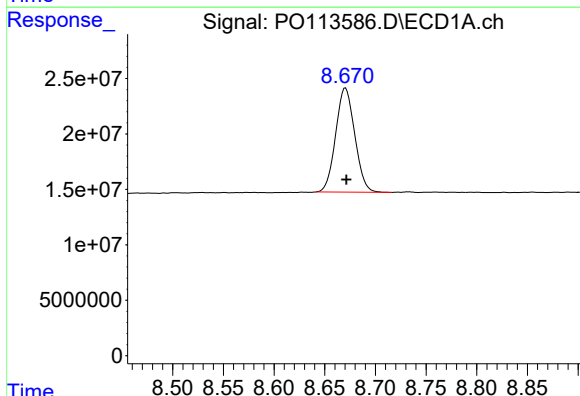
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 150352968
Conc: 16.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



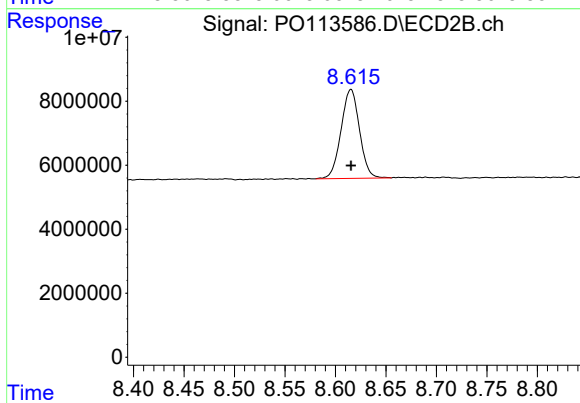
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: 0.000 min
Response: 89110647
Conc: 16.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.670 min
Delta R.T.: 0.000 min
Response: 123296959
Conc: 17.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.615 min
Delta R.T.: 0.000 min
Response: 35359624
Conc: 18.25 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/09/25	
Project:	NJ Waste Water PT		Date Received:	09/09/25	
Client Sample ID:	PIBLK-PO113595.D		SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PO113595.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113595.D	1		09/09/25	PO090925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		60 - 140	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		60 - 140	91%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
Data File : P0113595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 00:30
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: Sep 09 15:14:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.658	3.649	151.9E6	90037748	18.561	17.792
2) SA Decachlor...	8.669	8.614	125.9E6	36495250	18.169	19.260

Target Compounds

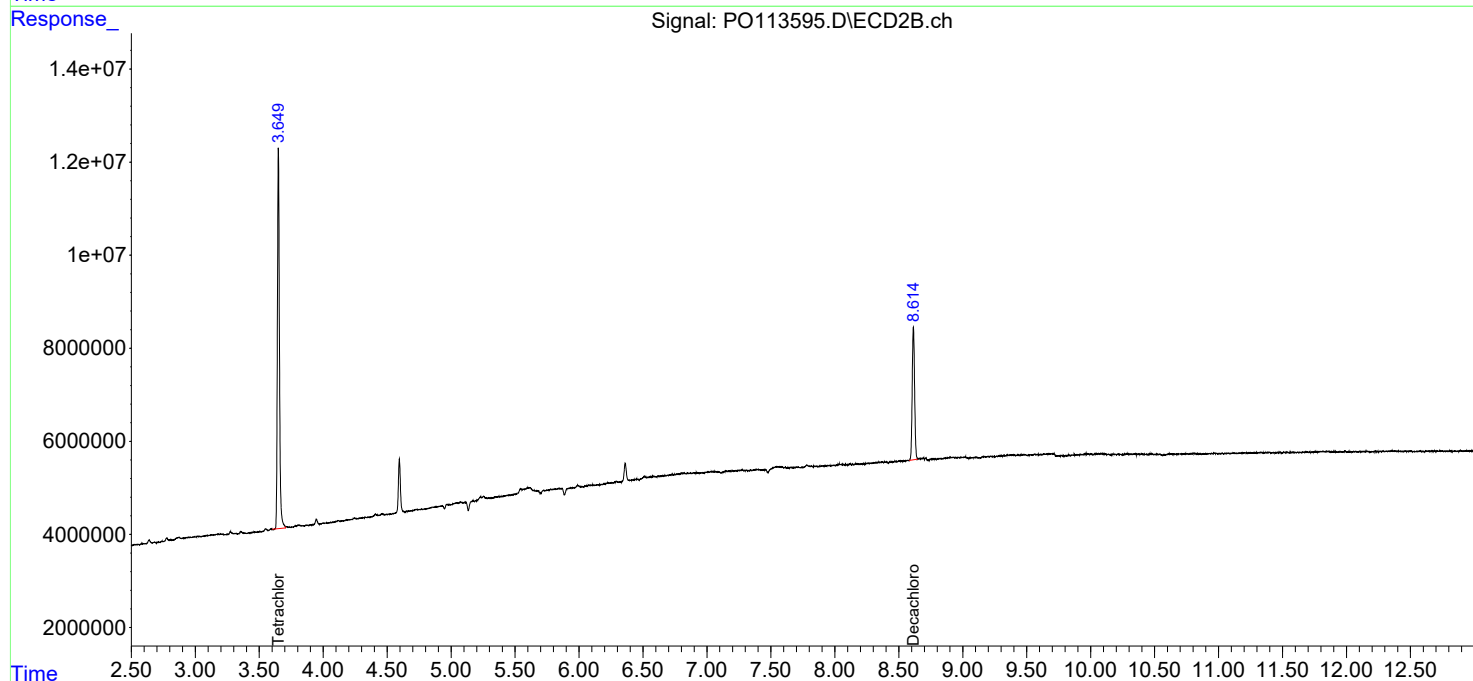
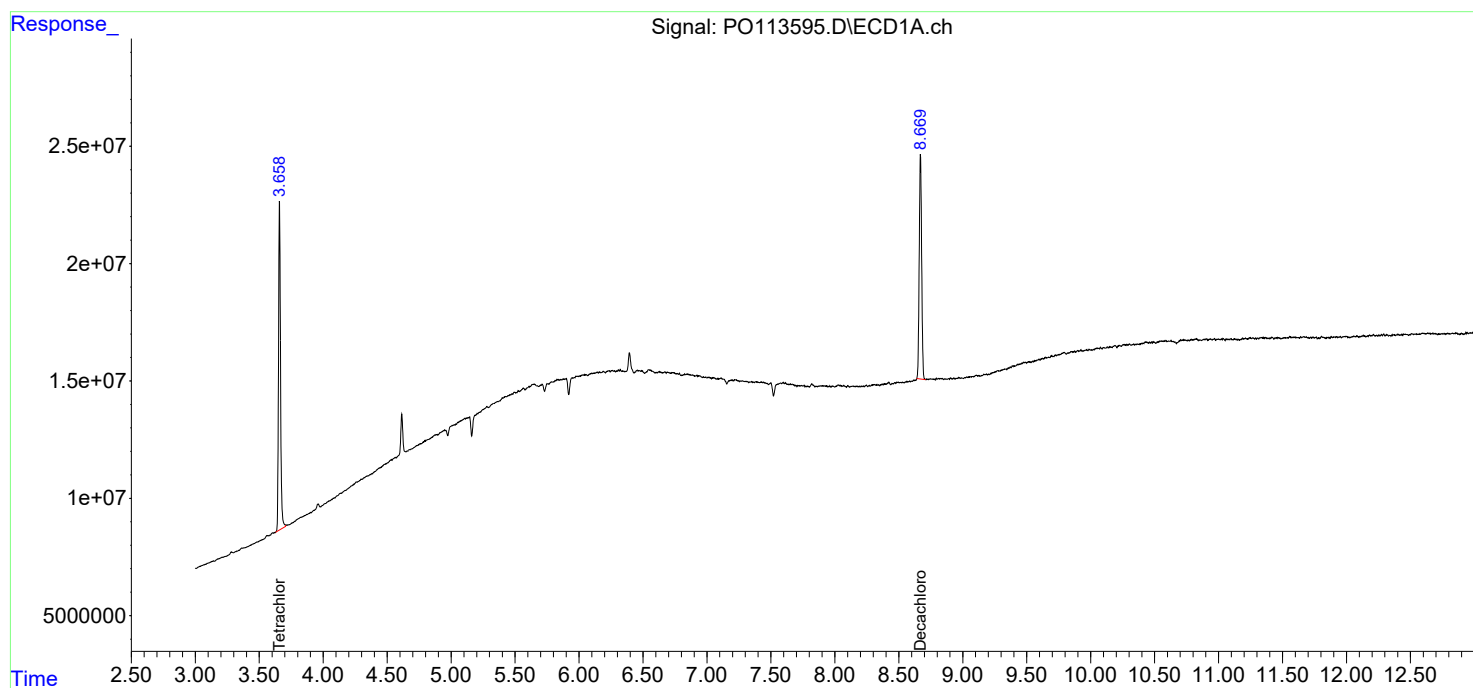
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

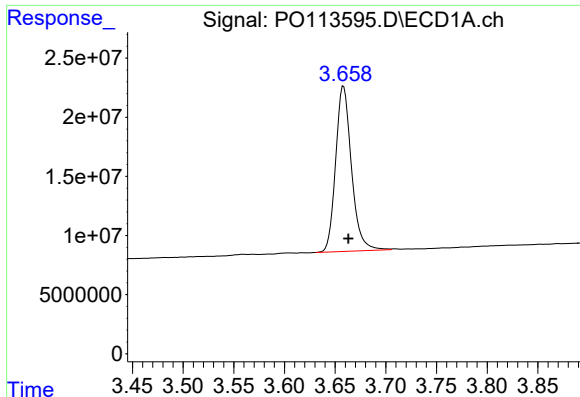
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 00:30
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:14:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

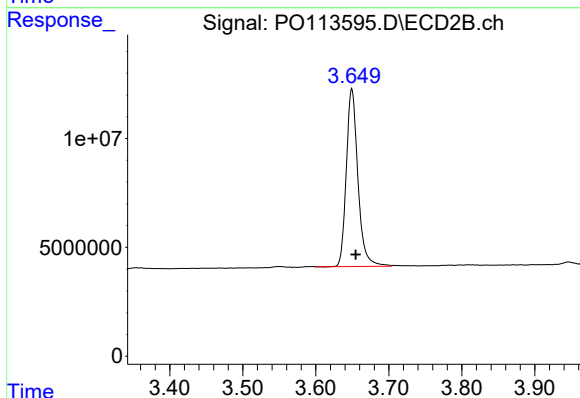




#1 Tetrachloro-m-xylene

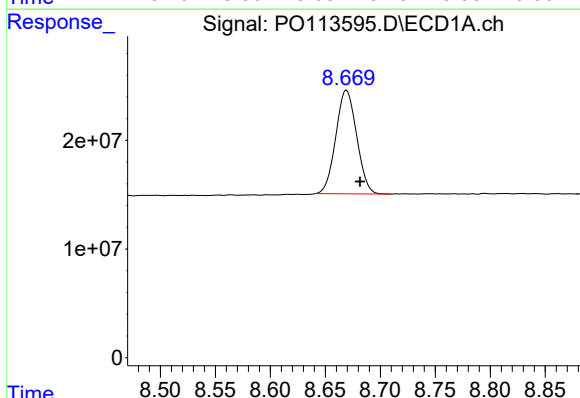
R.T.: 3.658 min
Delta R.T.: -0.005 min
Response: 151949574
Conc: 18.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



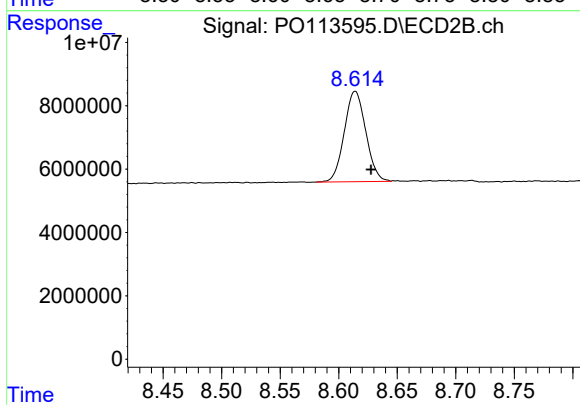
#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: -0.006 min
Response: 90037748
Conc: 17.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: -0.012 min
Response: 125938715
Conc: 18.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.614 min
Delta R.T.: -0.014 min
Response: 36495250
Conc: 19.26 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	09/09/25	
Project:	NJ Waste Water PT			Date Received:	09/09/25	
Client Sample ID:	PIBLK-PO113600.D			SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PO113600.D			Matrix:	WATER	
Analytical Method:	8082A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	5030					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113600.D	1		09/09/25	PO090925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.9		60 - 140	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		60 - 140	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090925\
Data File : PO113600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 04:10
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: Sep 09 15:21:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.663	3.648	154.9E6	90665222	18.926	17.916
2) SA Decachlor...	8.680	8.616	133.7E6	36470111	19.293	19.247

Target Compounds

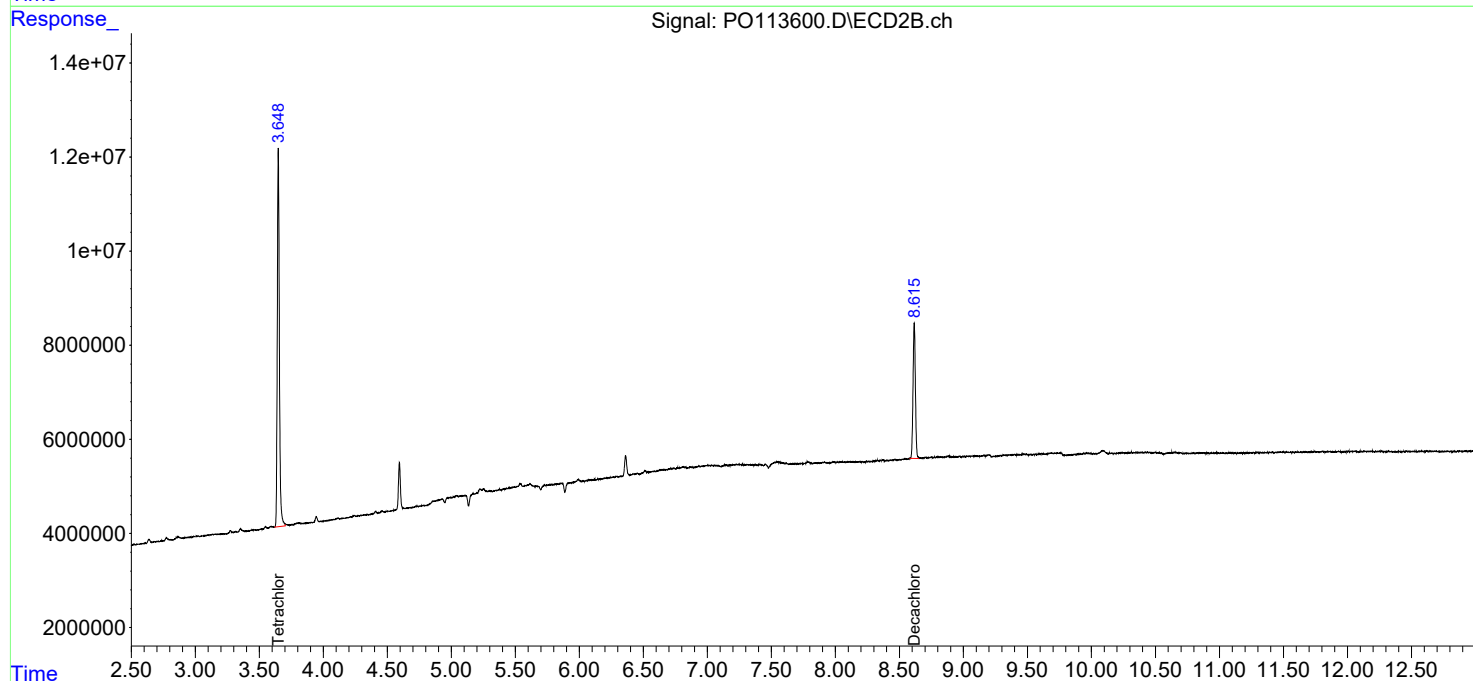
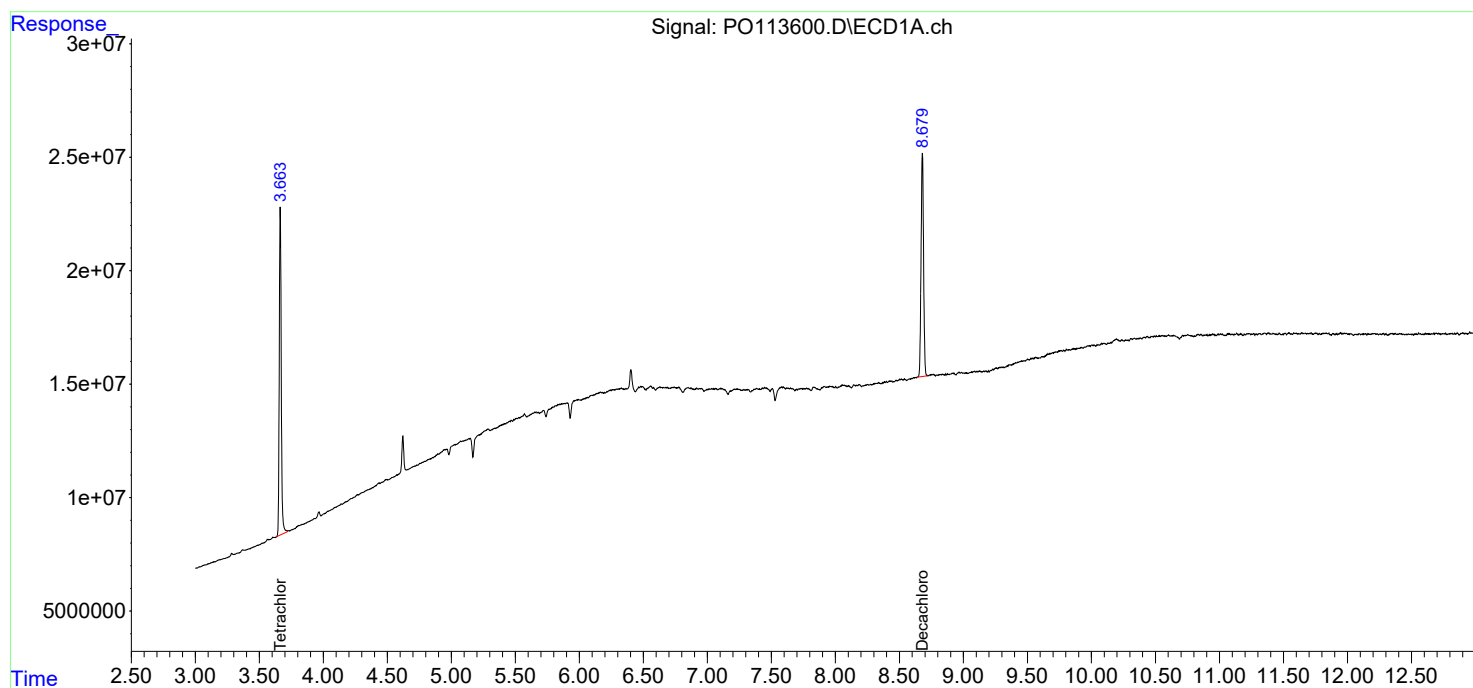
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

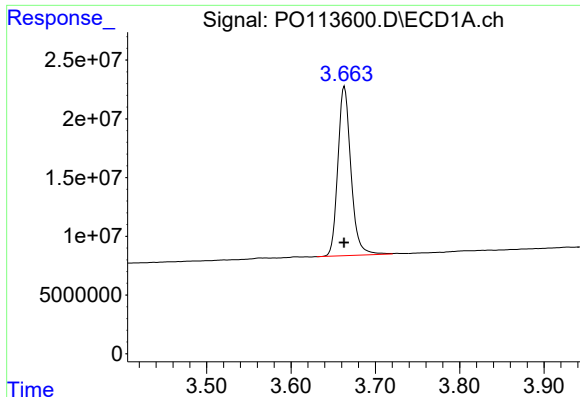
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090925\
Data File : PO113600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 04:10
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 15:21:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 09 15:11:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

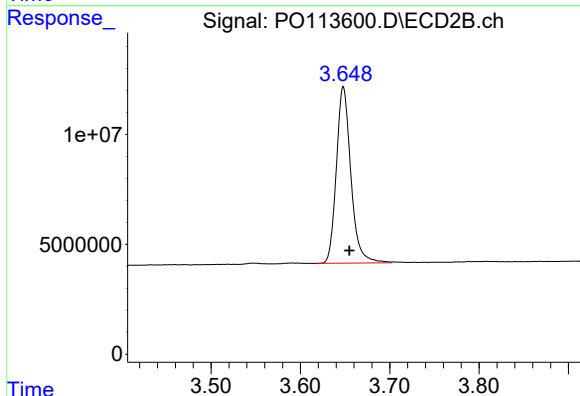




#1 Tetrachloro-m-xylene

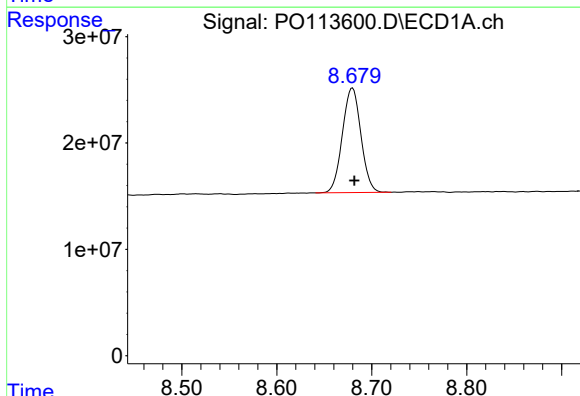
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 154937200
Conc: 18.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



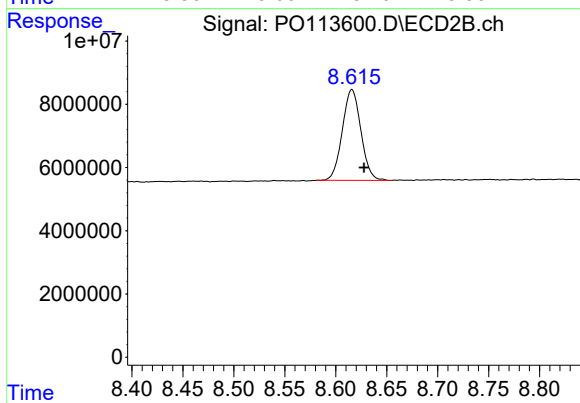
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: -0.007 min
Response: 90665222
Conc: 17.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: -0.002 min
Response: 133728435
Conc: 19.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.616 min
Delta R.T.: -0.012 min
Response: 36470111
Conc: 19.25 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169600BS	SDG No.:	Q3015
Lab Sample ID:	PB169600BS	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113575.D	1	09/08/25 10:00	09/08/25 15:21	PB169600

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.40		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		30 - 173	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		10 - 173	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090825\
 Data File : PO113575.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 15:21
 Operator : YP/AJ
 Sample : PB169600BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB169600BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 08 23:15:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.661	3.650	165.4E6	93812873	20.199	18.538
2) SA Decachlor...	8.674	8.616	141.0E6	40051208	20.346	21.137
Target Compounds						
3) L1 AR-1016-1	4.745	4.722	121.9E6	70778277	456.424	414.942
4) L1 AR-1016-2	4.763	4.740	190.0E6	110.2E6	473.268	427.673
5) L1 AR-1016-3	4.820	4.914	120.1E6	57894171	470.944	414.672m
6) L1 AR-1016-4	4.939	4.957	95752898	47242481	439.096m	404.824m
7) L1 AR-1016-5	5.196	5.169	98404733	59836815	444.009	419.819
31) L7 AR-1260-1	6.232	6.196	216.1E6	107.1E6	484.478	419.792
32) L7 AR-1260-2	6.421	6.383	328.6E6	137.9E6	478.514	398.903
33) L7 AR-1260-3	6.786	6.535	255.4E6	114.9E6	413.698	386.362
34) L7 AR-1260-4	7.044	7.004	185.5E6	72085650	414.136	347.821
35) L7 AR-1260-5	7.289	7.246	500.0E6	159.6E6	413.025	340.657

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090825\
Data File : PO113575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 15:21
Operator : YP/AJ
Sample : PB169600BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

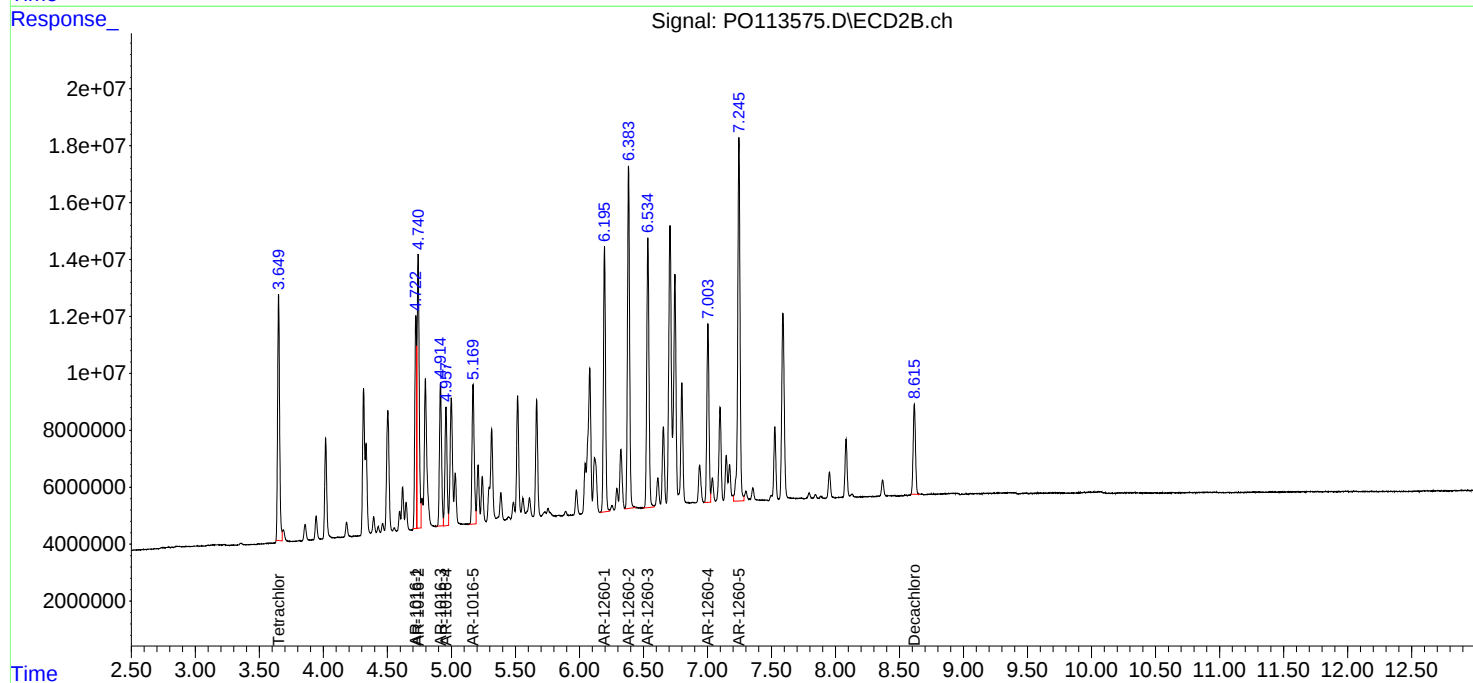
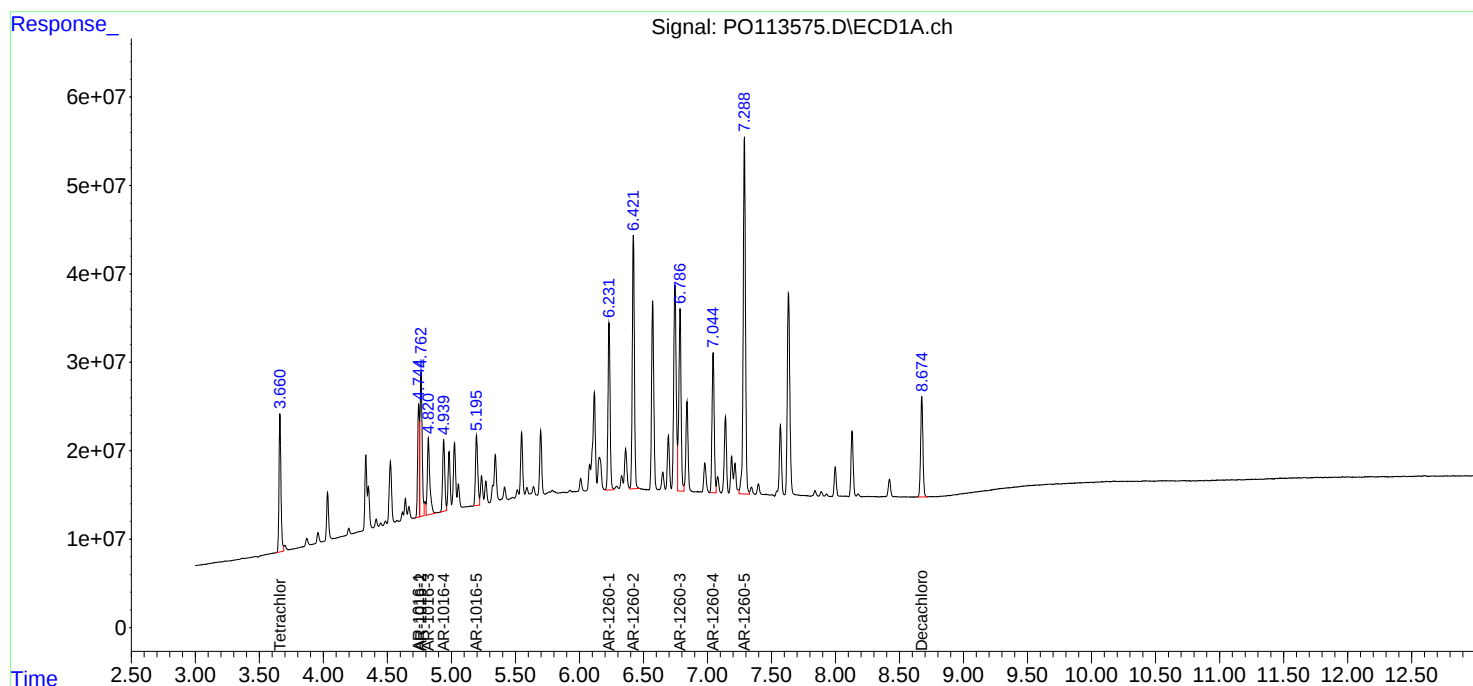
Instrument :
ECD_O
ClientSampleId :
PB169600BS

Manual Integrations
APPROVED

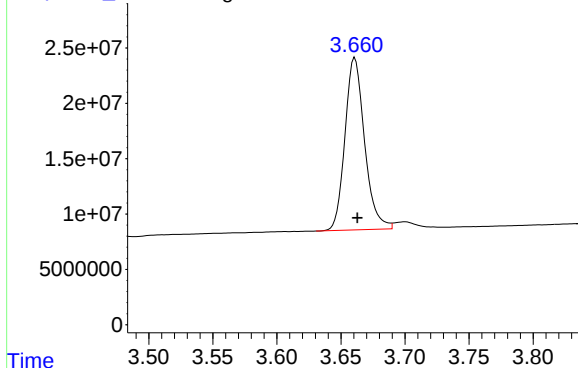
Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:15:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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



Response_ Signal: PO113575.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.661 min
Delta R.T.: -0.002 min
Response: 165361533
Conc: 20.20 ng/ml

Instrument :

ECD_O

ClientSampleId :

PB169600BS

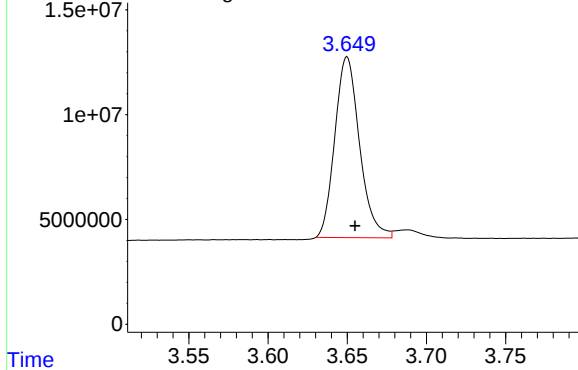
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

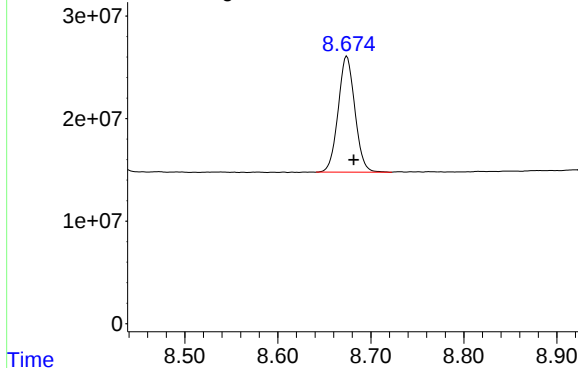
Response_ Signal: PO113575.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.005 min
Response: 93812873
Conc: 18.54 ng/ml

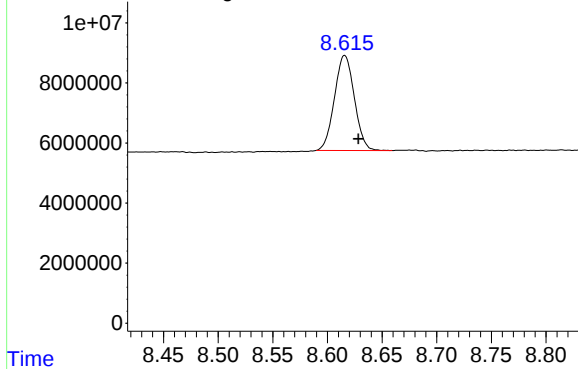
Response_ Signal: PO113575.D\ECD1A.ch



#2 Decachlorobiphenyl

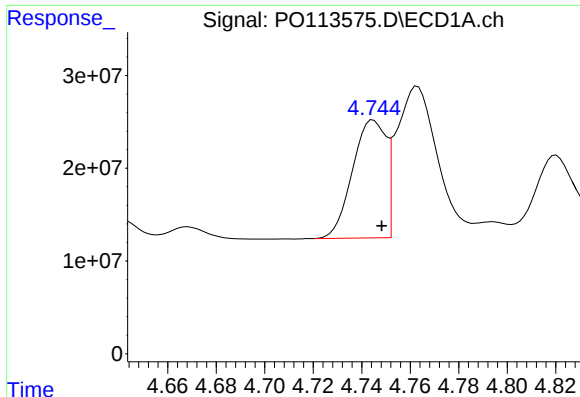
R.T.: 8.674 min
Delta R.T.: -0.007 min
Response: 141028280
Conc: 20.35 ng/ml

Response_ Signal: PO113575.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.616 min
Delta R.T.: -0.013 min
Response: 40051208
Conc: 21.14 ng/ml



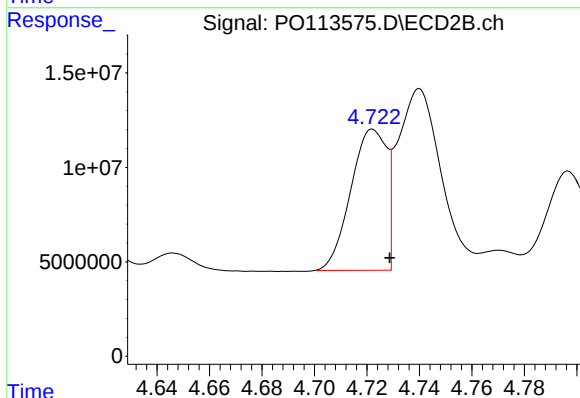
#3 AR-1016-1

R.T.: 4.745 min
Delta R.T.: -0.003 min
Response: 121858297
Conc: 456.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BS

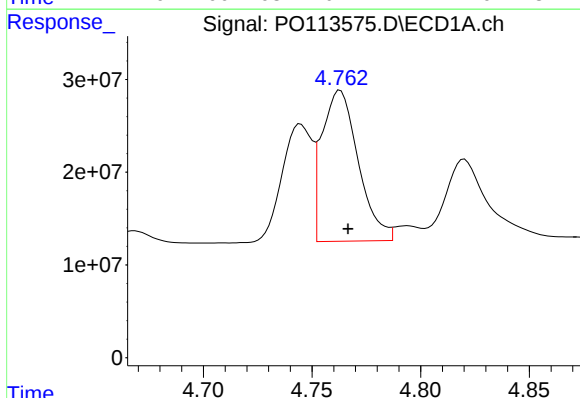
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



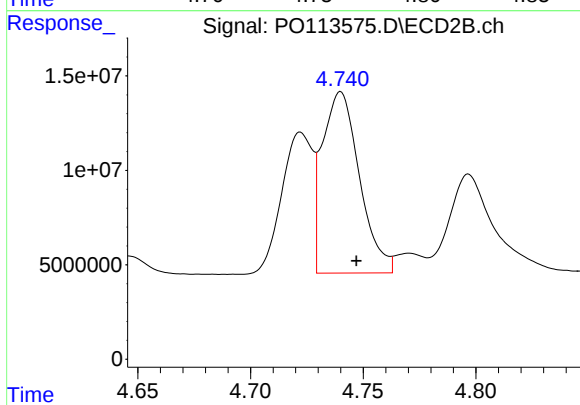
#3 AR-1016-1

R.T.: 4.722 min
Delta R.T.: -0.006 min
Response: 70778277
Conc: 414.94 ng/ml



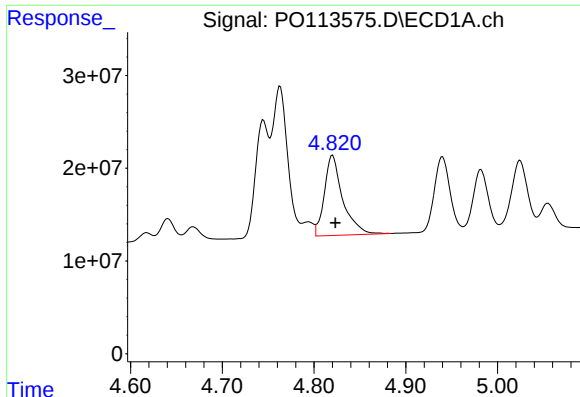
#4 AR-1016-2

R.T.: 4.763 min
Delta R.T.: -0.004 min
Response: 189984565
Conc: 473.27 ng/ml



#4 AR-1016-2

R.T.: 4.740 min
Delta R.T.: -0.007 min
Response: 110192426
Conc: 427.67 ng/ml



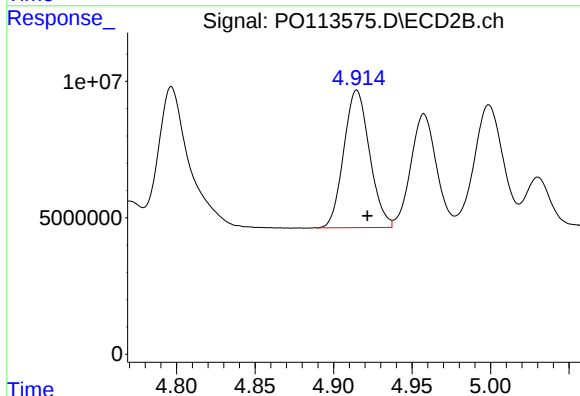
#5 AR-1016-3

R.T.: 4.820 min
Delta R.T.: -0.003 min
Response: 120101377
Conc: 470.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BS

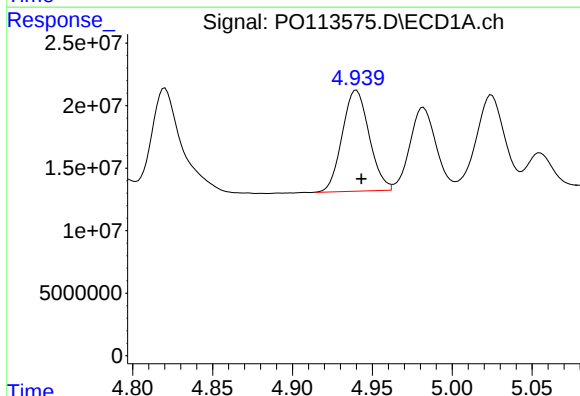
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



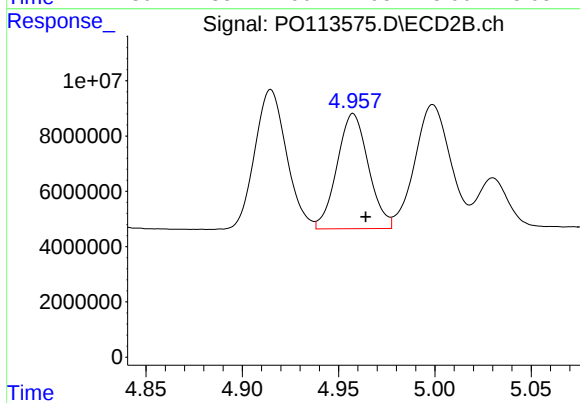
#5 AR-1016-3

R.T.: 4.914 min
Delta R.T.: -0.007 min
Response: 57894171
Conc: 414.67 ng/ml m



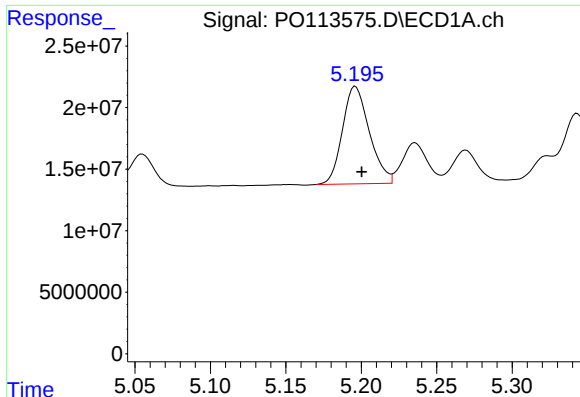
#6 AR-1016-4

R.T.: 4.939 min
Delta R.T.: -0.004 min
Response: 95752898
Conc: 439.10 ng/ml m



#6 AR-1016-4

R.T.: 4.957 min
Delta R.T.: -0.007 min
Response: 47242481
Conc: 404.82 ng/ml m



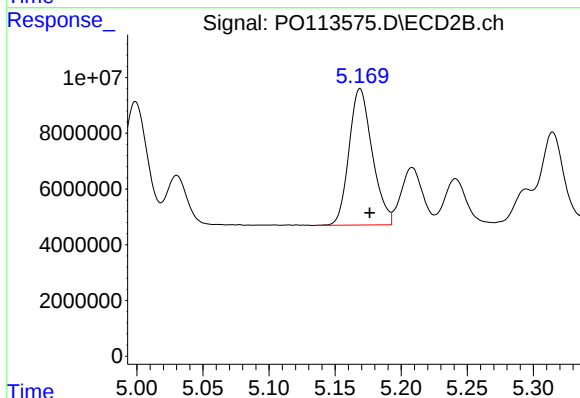
#7 AR-1016-5

R.T.: 5.196 min
 Delta R.T.: -0.004 min
 Response: 98404733
 Conc: 444.01 ng/ml

Instrument :
 ECD_O
 ClientSampleId :
 PB169600BS

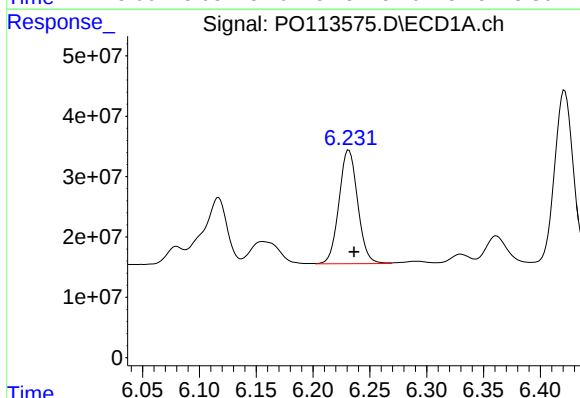
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025



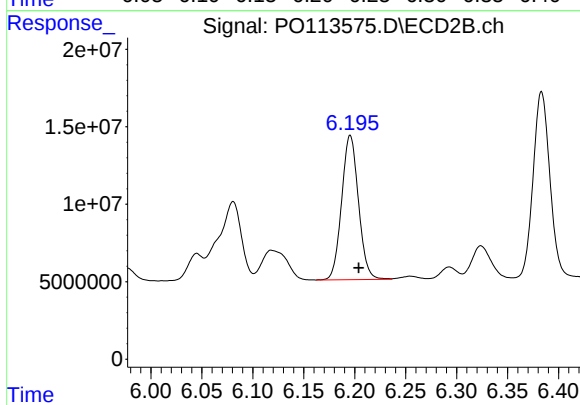
#7 AR-1016-5

R.T.: 5.169 min
 Delta R.T.: -0.007 min
 Response: 59836815
 Conc: 419.82 ng/ml



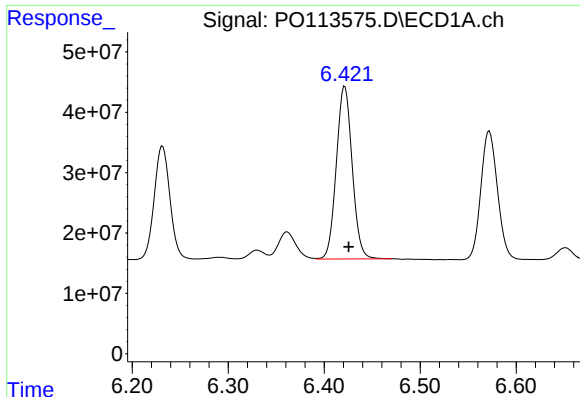
#31 AR-1260-1

R.T.: 6.232 min
 Delta R.T.: -0.005 min
 Response: 216067602
 Conc: 484.48 ng/ml



#31 AR-1260-1

R.T.: 6.196 min
 Delta R.T.: -0.008 min
 Response: 107075885
 Conc: 419.79 ng/ml



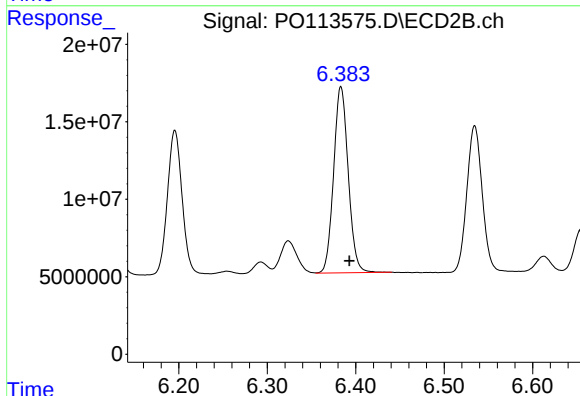
#32 AR-1260-2

R.T.: 6.421 min
Delta R.T.: -0.004 min
Response: 328605678
Conc: 478.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BS

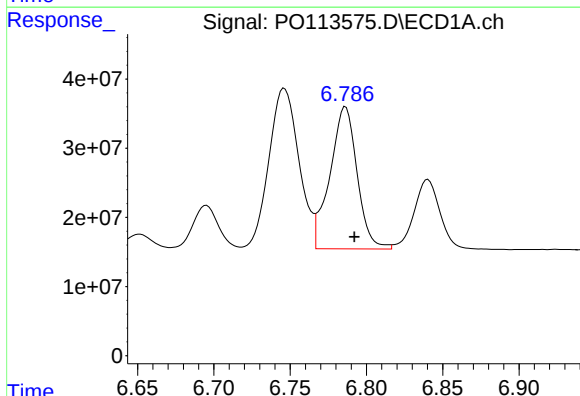
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



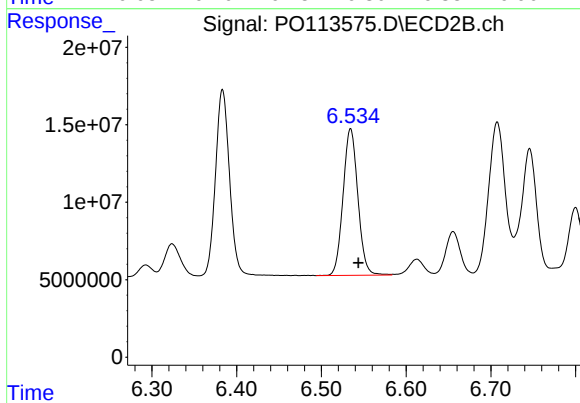
#32 AR-1260-2

R.T.: 6.383 min
Delta R.T.: -0.009 min
Response: 137905365
Conc: 398.90 ng/ml



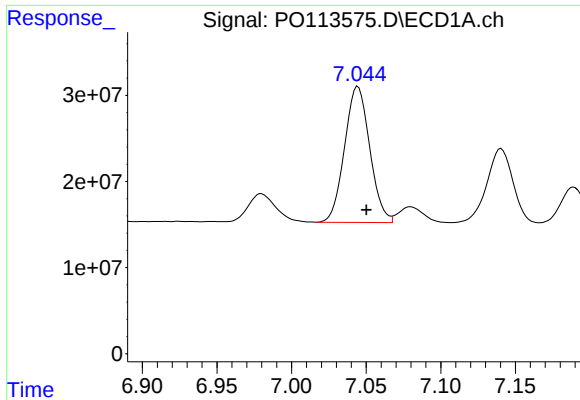
#33 AR-1260-3

R.T.: 6.786 min
Delta R.T.: -0.006 min
Response: 255447480
Conc: 413.70 ng/ml



#33 AR-1260-3

R.T.: 6.535 min
Delta R.T.: -0.009 min
Response: 114916990
Conc: 386.36 ng/ml



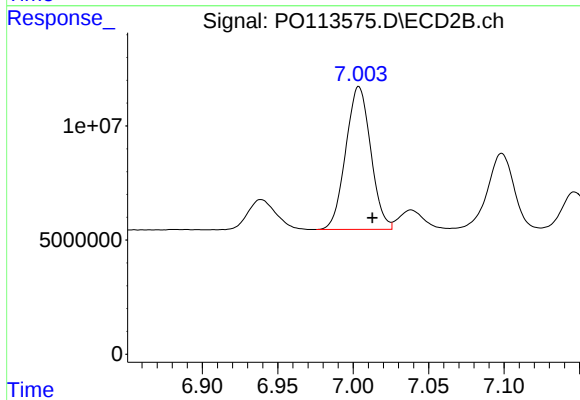
#34 AR-1260-4

R.T.: 7.044 min
Delta R.T.: -0.006 min
Response: 185480711
Conc: 414.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BS

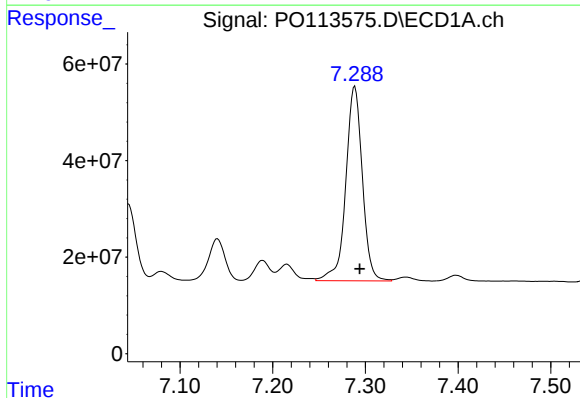
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



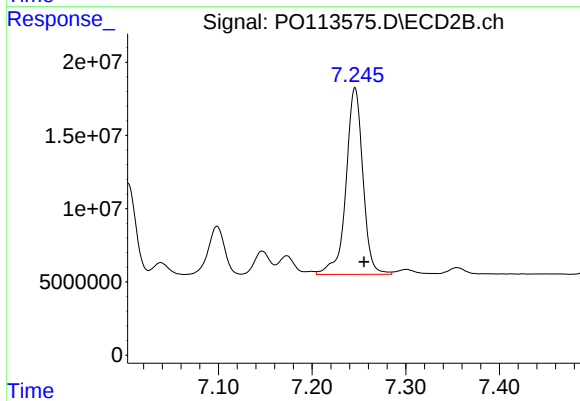
#34 AR-1260-4

R.T.: 7.004 min
Delta R.T.: -0.009 min
Response: 72085650
Conc: 347.82 ng/ml



#35 AR-1260-5

R.T.: 7.289 min
Delta R.T.: -0.005 min
Response: 500043095
Conc: 413.03 ng/ml



#35 AR-1260-5

R.T.: 7.246 min
Delta R.T.: -0.009 min
Response: 159573936
Conc: 340.66 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169600BSD	SDG No.:	Q3015
Lab Sample ID:	PB169600BSD	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113576.D	1	09/08/25 10:00	09/08/25 15:39	PB169600

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.50		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 - 173	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		10 - 173	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\P0090825\
 Data File : PO113576.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 15:39
 Operator : YP/AJ
 Sample : PB169600BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 PB169600BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 08 23:15:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0081825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Aug 19 06:08:32 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...	3.659	3.650	167.5E6	95564716	20.459	18.884
2) SA Decachlor...	8.672	8.615	142.5E6	41044324	20.551	21.661
Target Compounds						
3) L1 AR-1016-1	4.743	4.722	121.5E6	71511876	455.226	419.243
4) L1 AR-1016-2	4.761	4.739	193.1E6	111.6E6	480.917	433.141
5) L1 AR-1016-3	4.818	4.914	123.3E6	58471788	483.568	418.809m
6) L1 AR-1016-4	4.936	4.957	97701795	47520895	448.034m	407.209m
7) L1 AR-1016-5	5.194	5.169	97927503	60657887	441.855	425.580
31) L7 AR-1260-1	6.229	6.195	216.6E6	107.0E6	485.601	419.441
32) L7 AR-1260-2	6.418	6.383	333.6E6	138.4E6	485.727	400.304
33) L7 AR-1260-3	6.783	6.534	259.7E6	114.8E6	420.630	385.900
34) L7 AR-1260-4	7.042	7.003	188.5E6	70830260	420.785	341.763
35) L7 AR-1260-5	7.286	7.246	507.4E6	157.0E6	419.072	335.064

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090825\
Data File : PO113576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 15:39
Operator : YP/AJ
Sample : PB169600BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

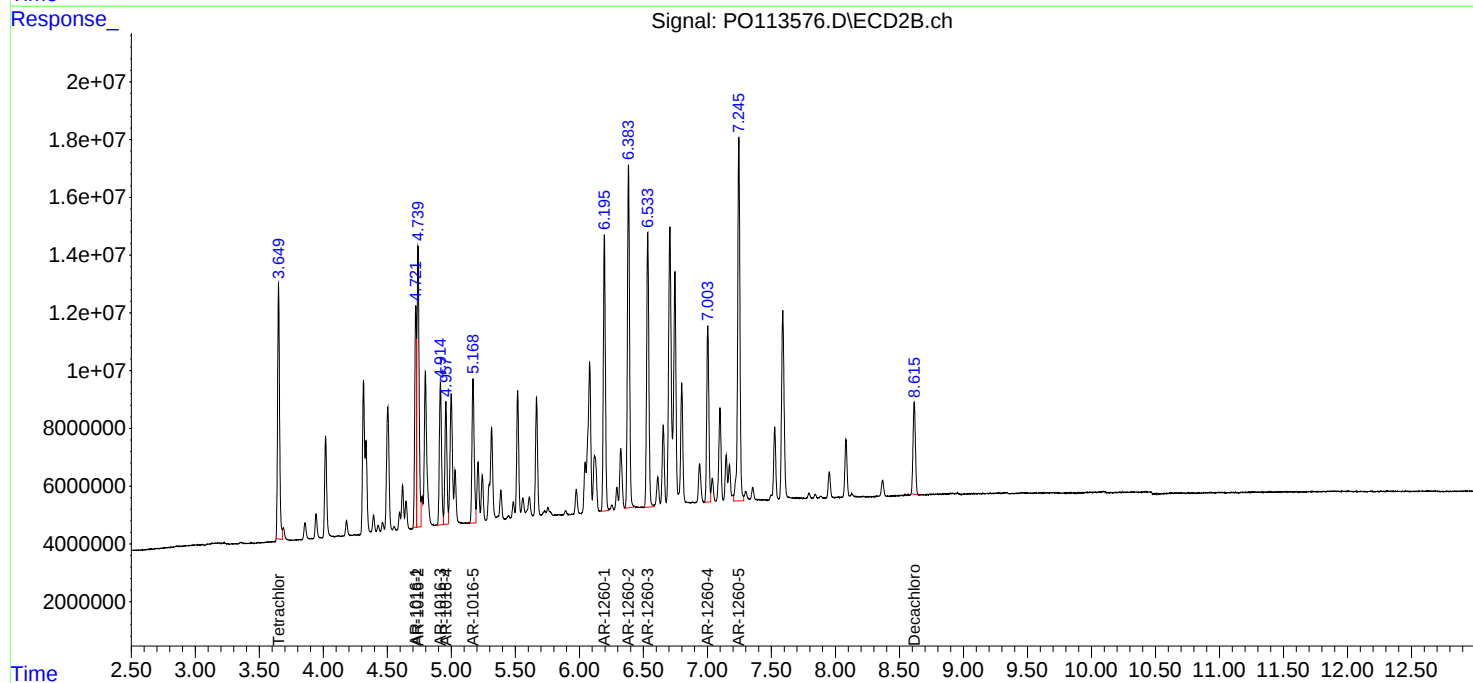
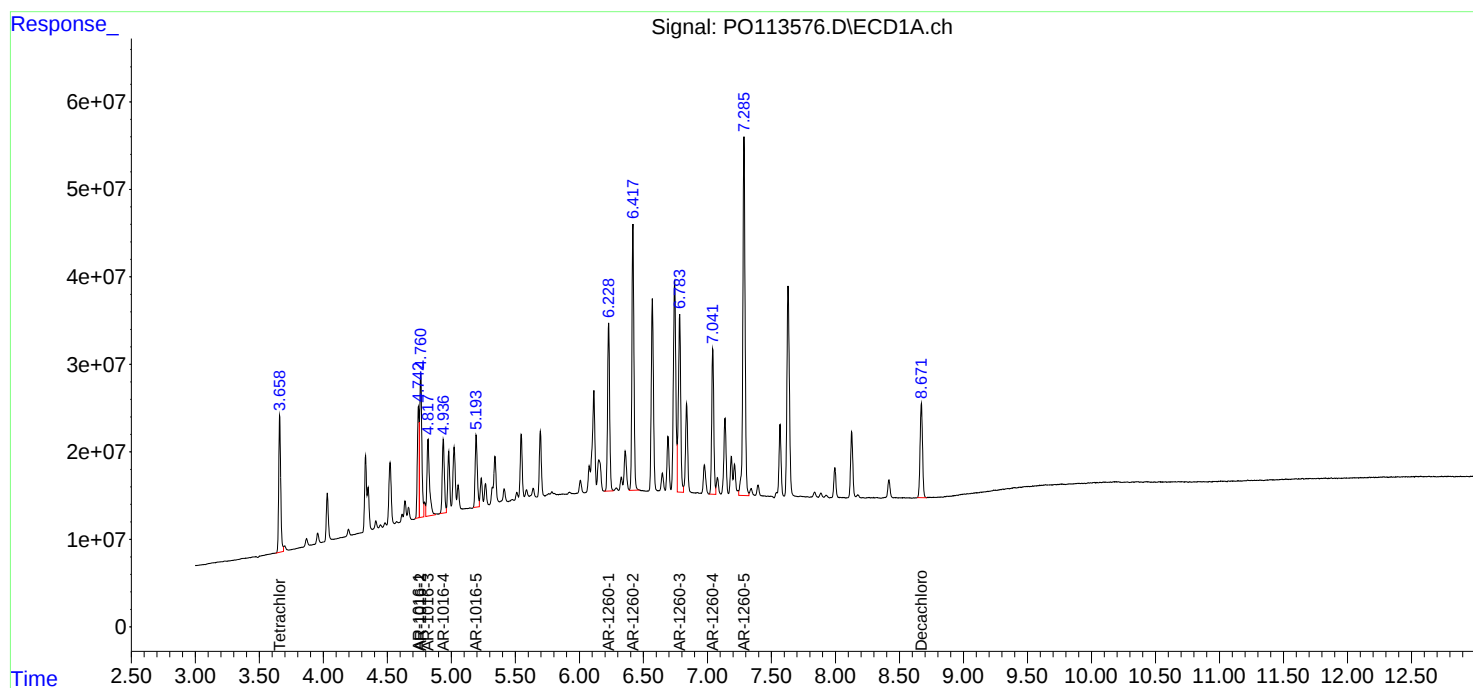
Instrument :
ECD_O
ClientSampleId :
PB169600BSD

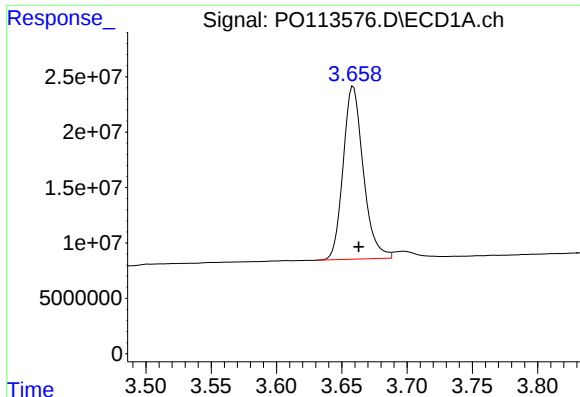
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 08 23:15:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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





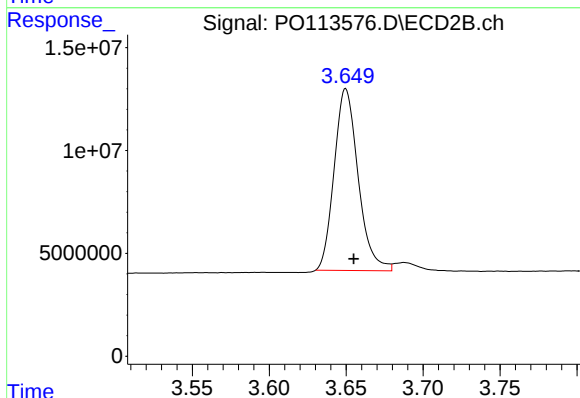
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 167487193
Conc: 20.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BSD

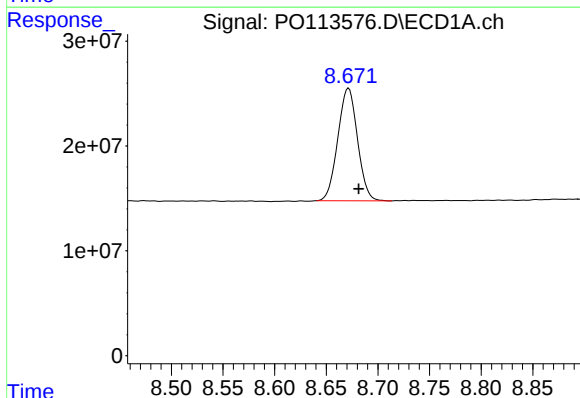
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



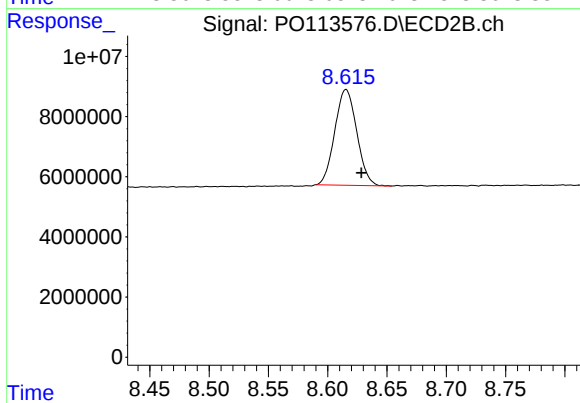
#1 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.005 min
Response: 95564716
Conc: 18.88 ng/ml



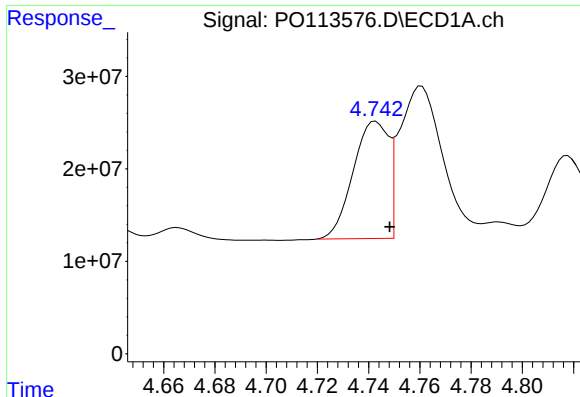
#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.010 min
Response: 142450759
Conc: 20.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.615 min
Delta R.T.: -0.013 min
Response: 41044324
Conc: 21.66 ng/ml



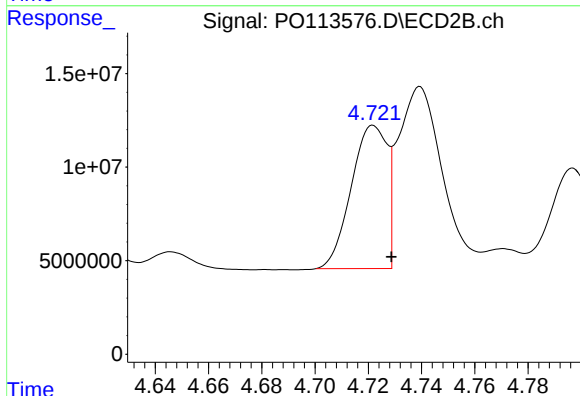
#3 AR-1016-1

R.T.: 4.743 min
Delta R.T.: -0.006 min
Response: 121538377
Conc: 455.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BSD

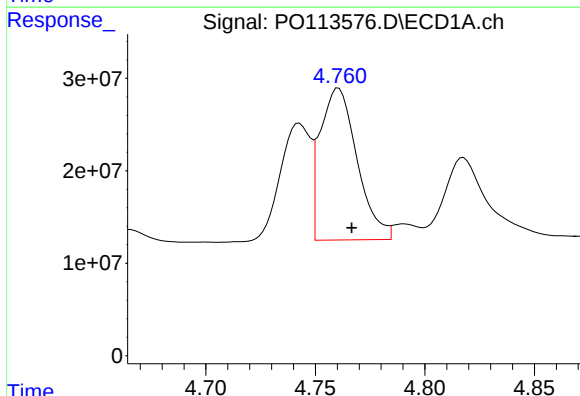
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



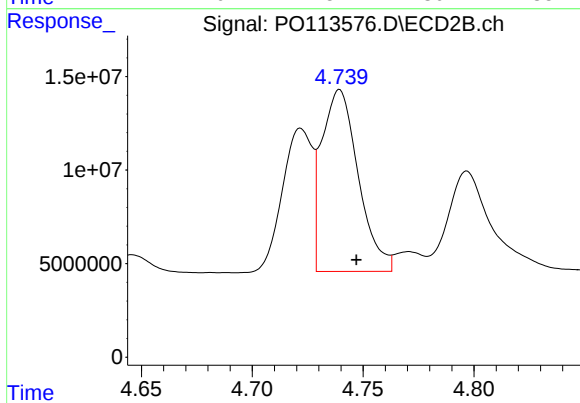
#3 AR-1016-1

R.T.: 4.722 min
Delta R.T.: -0.007 min
Response: 71511876
Conc: 419.24 ng/ml



#4 AR-1016-2

R.T.: 4.761 min
Delta R.T.: -0.006 min
Response: 193055412
Conc: 480.92 ng/ml



#4 AR-1016-2

R.T.: 4.739 min
Delta R.T.: -0.008 min
Response: 111601507
Conc: 433.14 ng/ml

Response_ Signal: PO113576.D\ECD1A.ch

#5 AR-1016-3

R.T.: 4.818 min
Delta R.T.: -0.006 min
Response: 123320714
Conc: 483.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Time

Response_ Signal: PO113576.D\ECD2B.ch

#5 AR-1016-3

R.T.: 4.914 min
Delta R.T.: -0.008 min
Response: 58471788
Conc: 418.81 ng/ml m

Time

Response_ Signal: PO113576.D\ECD1A.ch

#6 AR-1016-4

R.T.: 4.936 min
Delta R.T.: -0.007 min
Response: 97701795
Conc: 448.03 ng/ml m

Time

Response_ Signal: PO113576.D\ECD2B.ch

#6 AR-1016-4

R.T.: 4.957 min
Delta R.T.: -0.007 min
Response: 47520895
Conc: 407.21 ng/ml m

Time

Response_ Signal: PO113576.D\ECD1A.ch

#6 AR-1016-4

R.T.: 4.957 min
Delta R.T.: -0.007 min
Response: 47520895
Conc: 407.21 ng/ml m

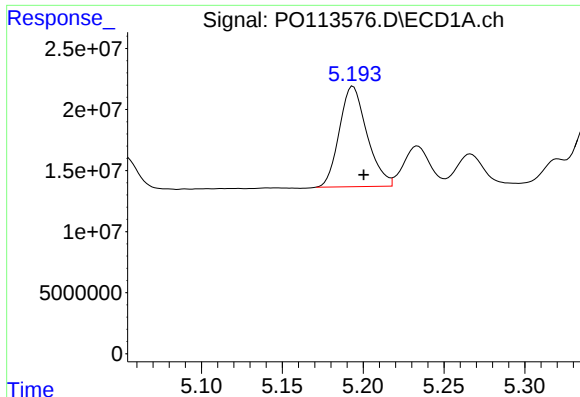
Time

Response_ Signal: PO113576.D\ECD2B.ch

#6 AR-1016-4

R.T.: 4.957 min
Delta R.T.: -0.007 min
Response: 47520895
Conc: 407.21 ng/ml m

Time



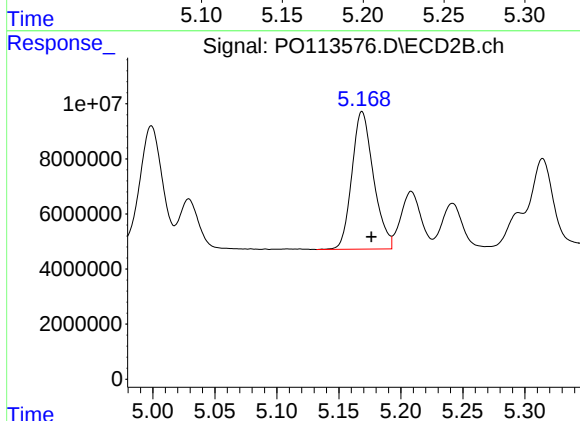
#7 AR-1016-5

R.T.: 5.194 min
Delta R.T.: -0.007 min
Response: 97927503
Conc: 441.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BSD

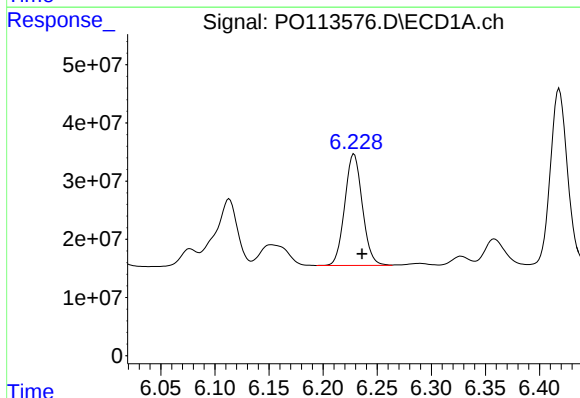
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



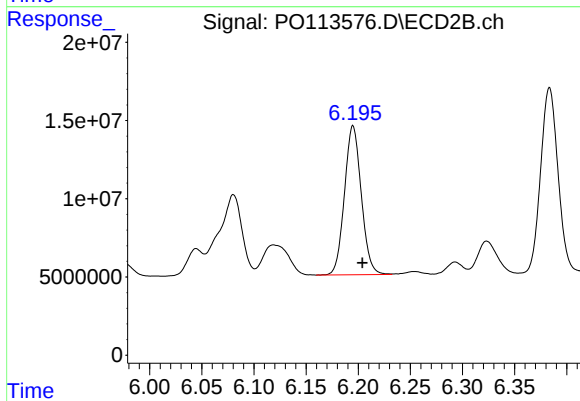
#7 AR-1016-5

R.T.: 5.169 min
Delta R.T.: -0.007 min
Response: 60657887
Conc: 425.58 ng/ml



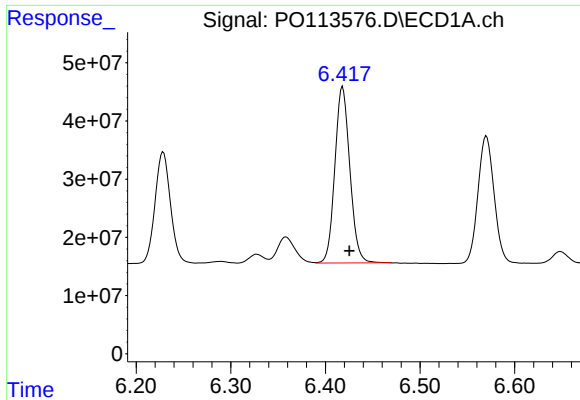
#31 AR-1260-1

R.T.: 6.229 min
Delta R.T.: -0.008 min
Response: 216568769
Conc: 485.60 ng/ml



#31 AR-1260-1

R.T.: 6.195 min
Delta R.T.: -0.009 min
Response: 106986229
Conc: 419.44 ng/ml



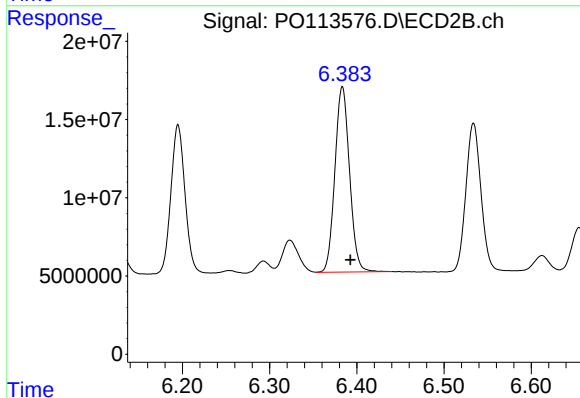
#32 AR-1260-2

R.T.: 6.418 min
Delta R.T.: -0.007 min
Response: 333558807
Conc: 485.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BSD

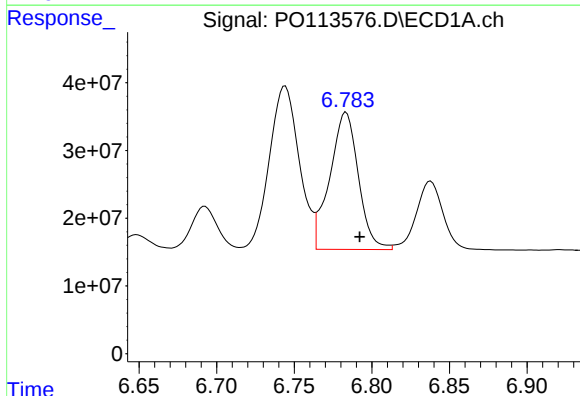
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



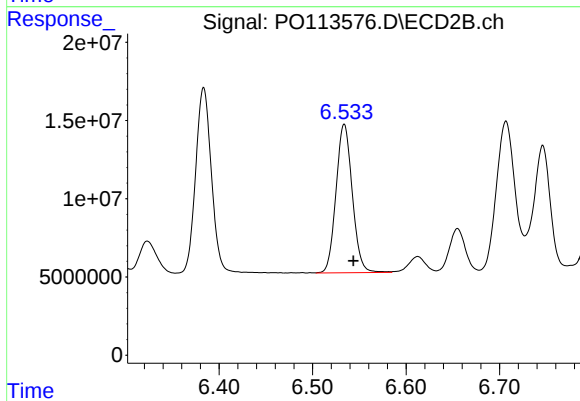
#32 AR-1260-2

R.T.: 6.383 min
Delta R.T.: -0.009 min
Response: 138389877
Conc: 400.30 ng/ml



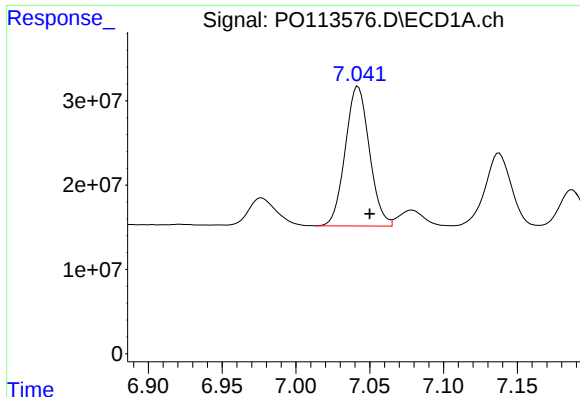
#33 AR-1260-3

R.T.: 6.783 min
Delta R.T.: -0.009 min
Response: 259727901
Conc: 420.63 ng/ml



#33 AR-1260-3

R.T.: 6.534 min
Delta R.T.: -0.010 min
Response: 114779839
Conc: 385.90 ng/ml



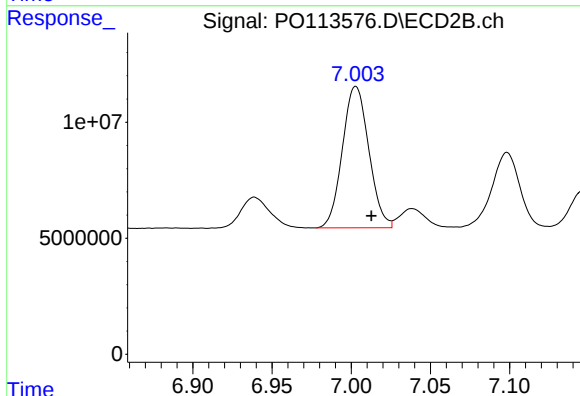
#34 AR-1260-4

R.T.: 7.042 min
Delta R.T.: -0.008 min
Response: 188458877
Conc: 420.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169600BSD

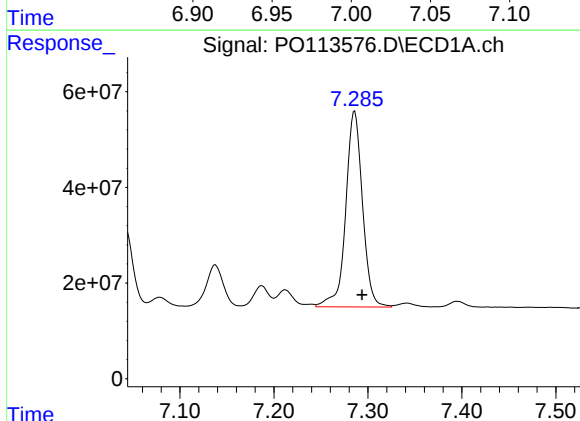
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



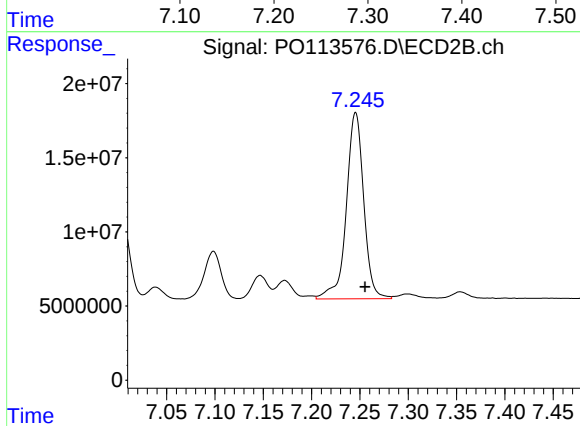
#34 AR-1260-4

R.T.: 7.003 min
Delta R.T.: -0.010 min
Response: 70830260
Conc: 341.76 ng/ml



#35 AR-1260-5

R.T.: 7.286 min
Delta R.T.: -0.008 min
Response: 507364322
Conc: 419.07 ng/ml



#35 AR-1260-5

R.T.: 7.246 min
Delta R.T.: -0.010 min
Response: 156953650
Conc: 335.06 ng/ml

Manual Integration Report

Sequence:

PO081825

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO113007.D	AR-1260-1	yogesh	8/19/2025 7:25:57 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1660ICC050	PO113007.D	AR-1260-2	yogesh	8/19/2025 7:25:57 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1660ICC050	PO113007.D	AR-1260-3 #2	yogesh	8/19/2025 7:25:57 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-1	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-1 #2	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-2	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-5	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-5 #2	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1254ICC050	PO113024.D	AR-1254-1 #2	yogesh	8/19/2025 7:26:00 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1254ICC050	PO113024.D	AR-1254-2 #2	yogesh	8/19/2025 7:26:00 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1254ICC050	PO113024.D	AR-1254-3 #2	yogesh	8/19/2025 7:26:00 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1268ICC050	PO113030.D	AR-1268-5 #2	yogesh	8/19/2025 7:26:02 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1268ICV500	PO113035.D	AR-1268-5 #2	yogesh	8/19/2025 7:26:03 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PO081825

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PO090825	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO113563.D	AR-1016-4	yogesh	9/9/2025 7:51:43 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1660CCC500	PO113563.D	Decachlorobiphenyl #2	yogesh	9/9/2025 7:51:43 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1660CCC500	PO113563.D	Tetrachloro-m-xylene #2	yogesh	9/9/2025 7:51:43 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
I.BLK	PO113564.D	Tetrachloro-m-xylene #2	yogesh	9/9/2025 7:51:46 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1660CCC500	PO113568.D	AR-1016-4	yogesh	9/9/2025 7:51:52 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1660CCC500	PO113568.D	Tetrachloro-m-xylene #2	yogesh	9/9/2025 7:51:52 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1242CCC500	PO113569.D	AR-1242-5	yogesh	9/9/2025 7:51:54 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1248CCC500	PO113570.D	Decachlorobiphenyl #2	yogesh	9/9/2025 7:52:00 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1248CCC500	PO113570.D	Tetrachloro-m-xylene #2	yogesh	9/9/2025 7:52:00 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1254CCC500	PO113571.D	AR-1254-3	yogesh	9/9/2025 7:51:58 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1254CCC500	PO113571.D	Decachlorobiphenyl #2	yogesh	9/9/2025 7:51:58 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1254CCC500	PO113571.D	Tetrachloro-m-xylene #2	yogesh	9/9/2025 7:51:58 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
PB169600BL	PO113573.D	Decachlorobiphenyl #2	yogesh	9/9/2025 7:52:02 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software

Manual Integration Report

Sequence:	PO090825	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169600BL	PO113573.D	Tetrachloro-m-xylene #2	yogesh	9/9/2025 7:52:02 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
PB169600BS	PO113575.D	AR-1016-3 #2	yogesh	9/9/2025 7:52:05 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
PB169600BS	PO113575.D	AR-1016-4	yogesh	9/9/2025 7:52:05 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
PB169600BS	PO113575.D	AR-1016-4 #2	yogesh	9/9/2025 7:52:05 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
PB169600BSD	PO113576.D	AR-1016-3 #2	yogesh	9/9/2025 7:52:07 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
PB169600BSD	PO113576.D	AR-1016-4	yogesh	9/9/2025 7:52:07 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
PB169600BSD	PO113576.D	AR-1016-4 #2	yogesh	9/9/2025 7:52:07 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1660CCC500	PO113580.D	AR-1016-4	yogesh	9/9/2025 7:52:11 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1242CCC500	PO113581.D	AR-1242-4	yogesh	9/9/2025 7:52:12 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1242CCC500	PO113581.D	AR-1242-5	yogesh	9/9/2025 7:52:12 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1242CCC500	PO113581.D	Decachlorobiphenyl #2	yogesh	9/9/2025 7:52:12 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1242CCC500	PO113581.D	Tetrachloro-m-xylene #2	yogesh	9/9/2025 7:52:12 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software
AR1254CCC500	PO113583.D	AR-1254-3	yogesh	9/9/2025 7:52:14 AM	mohammad	9/10/2025 1:44:01	Peak Integrated by Software



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Manual Integration Report

Sequence:

PO090825

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

PO090925

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1232ICC250	PO113590.D	AR-1232-4	yogesh	9/10/2025 7:44:21 AM	mohammad	9/11/2025 1:28:59	Peak Integrated by Software
AR1232ICC050	PO113591.D	AR-1232-4	yogesh	9/10/2025 7:44:23 AM	mohammad	9/11/2025 1:28:59	Peak Integrated by Software
AR1660CCC500	PO113593.D	AR-1260-4 #2	yogesh	9/10/2025 7:44:25 AM	mohammad	9/11/2025 1:28:59	Peak Integrated by Software
AR1232CCC500	PO113594.D	AR-1232-3 #2	yogesh	9/10/2025 7:44:27 AM	mohammad	9/11/2025 1:28:59	Peak Integrated by Software
AR1232CCC500	PO113594.D	AR-1232-4 #2	yogesh	9/10/2025 7:44:27 AM	mohammad	9/11/2025 1:28:59	Peak Integrated by Software
AR1232CCC500	PO113594.D	AR-1232-5 #2	yogesh	9/10/2025 7:44:27 AM	mohammad	9/11/2025 1:28:59	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM
SubDirectory	PO081825	HP Acquire Method	HP Processing Method PO081825
STD. NAME	STD REF.#		
Tune/Reschk	PP24815,PP2416,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		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO113001.D	18 Aug 2025 09:16	YP/AJ	Ok
2	I.BLK	PO113002.D	18 Aug 2025 09:34	YP/AJ	Ok
3	AR1660ICC1000	PO113003.D	18 Aug 2025 09:53	YP/AJ	Ok
4	AR1660ICC750	PO113004.D	18 Aug 2025 10:11	YP/AJ	Ok
5	AR1660ICC500	PO113005.D	18 Aug 2025 10:29	YP/AJ	Ok
6	AR1660ICC250	PO113006.D	18 Aug 2025 10:48	YP/AJ	Ok
7	AR1660ICC050	PO113007.D	18 Aug 2025 11:06	YP/AJ	Ok,M
8	AR1221ICC500	PO113008.D	18 Aug 2025 11:25	YP/AJ	Ok
9	AR1232ICC500	PO113009.D	18 Aug 2025 11:43	YP/AJ	Ok
10	AR1242ICC1000	PO113010.D	18 Aug 2025 12:01	YP/AJ	Ok
11	AR1242ICC750	PO113011.D	18 Aug 2025 12:20	YP/AJ	Ok
12	AR1242ICC500	PO113012.D	18 Aug 2025 12:38	YP/AJ	Ok
13	AR1242ICC250	PO113013.D	18 Aug 2025 12:57	YP/AJ	Ok
14	AR1242ICC050	PO113014.D	18 Aug 2025 13:15	YP/AJ	Ok,M
15	AR1248ICC1000	PO113015.D	18 Aug 2025 13:34	YP/AJ	Ok
16	AR1248ICC750	PO113016.D	18 Aug 2025 13:52	YP/AJ	Ok
17	AR1248ICC500	PO113017.D	18 Aug 2025 14:09	YP/AJ	Ok
18	AR1248ICC250	PO113018.D	18 Aug 2025 14:28	YP/AJ	Ok
19	AR1248ICC050	PO113019.D	18 Aug 2025 14:46	YP/AJ	Ok
20	AR1254ICC1000	PO113020.D	18 Aug 2025 15:05	YP/AJ	Ok
21	AR1254ICC750	PO113021.D	18 Aug 2025 15:23	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM
SubDirectory	PO081825	HP Acquire Method	HP Processing Method PO081825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP2416,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	PO113022.D	18 Aug 2025 15:41	YP/AJ	Ok
23	AR1254ICC250	PO113023.D	18 Aug 2025 16:00	YP/AJ	Ok
24	AR1254ICC050	PO113024.D	18 Aug 2025 16:18	YP/AJ	Ok,M
25	AR1262ICC500	PO113025.D	18 Aug 2025 16:54	YP/AJ	Ok
26	AR1268ICC1000	PO113026.D	18 Aug 2025 17:12	YP/AJ	Ok
27	AR1268ICC750	PO113027.D	18 Aug 2025 17:30	YP/AJ	Ok
28	AR1268ICC500	PO113028.D	18 Aug 2025 17:48	YP/AJ	Ok
29	AR1268ICC250	PO113029.D	18 Aug 2025 18:06	YP/AJ	Ok
30	AR1268ICC050	PO113030.D	18 Aug 2025 18:24	YP/AJ	Ok,M
31	PO081825ICV500	PO113031.D	18 Aug 2025 18:43	YP/AJ	Ok
32	AR1242ICV500	PO113032.D	18 Aug 2025 19:37	YP/AJ	Ok
33	AR1248ICV500	PO113033.D	18 Aug 2025 19:54	YP/AJ	Ok
34	AR1254ICV500	PO113034.D	18 Aug 2025 20:31	YP/AJ	Ok
35	AR1268ICV500	PO113035.D	18 Aug 2025 21:07	YP/AJ	Ok,M
36	DDT ANALOG	PO113036.D	18 Aug 2025 21:44	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090825

Review By	yogesh	Review On	9/8/2025 10:58:35 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:01 AM
SubDirectory	PO090825	HP Acquire Method	HP Processing Method PO081825
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	PO113562.D	08 Sep 2025 09:14	YP/AJ	Ok
2	AR1660CCC500	PO113563.D	08 Sep 2025 09:32	YP/AJ	Ok,M
3	I.BLK	PO113564.D	08 Sep 2025 09:51	YP/AJ	Ok,M
4	Q2893-09	PO113565.D	08 Sep 2025 10:09	YP/AJ	Ok,M
5	Q2893-03	PO113566.D	08 Sep 2025 10:34	YP/AJ	Ok,M
6	Q2893-03	PO113567.D	08 Sep 2025 10:53	YP/AJ	Ok,M
7	AR1660CCC500	PO113568.D	08 Sep 2025 11:29	YP/AJ	Ok,M
8	AR1242CCC500	PO113569.D	08 Sep 2025 11:51	YP/AJ	Ok,M
9	AR1248CCC500	PO113570.D	08 Sep 2025 12:10	YP/AJ	Ok,M
10	AR1254CCC500	PO113571.D	08 Sep 2025 12:28	YP/AJ	Ok,M
11	I.BLK	PO113572.D	08 Sep 2025 12:46	YP/AJ	Ok
12	PB169600BL	PO113573.D	08 Sep 2025 14:41	YP/AJ	Ok,M
13	Q3015-15	PO113574.D	08 Sep 2025 14:59	YP/AJ	Not Ok
14	PB169600BS	PO113575.D	08 Sep 2025 15:21	YP/AJ	Ok,M
15	PB169600BSD	PO113576.D	08 Sep 2025 15:39	YP/AJ	Ok,M
16	Q3022-01	PO113577.D	08 Sep 2025 15:58	YP/AJ	Ok,M
17	Q3033-01	PO113578.D	08 Sep 2025 16:16	YP/AJ	Ok
18	Q3036-03	PO113579.D	08 Sep 2025 16:35	YP/AJ	Ok
19	AR1660CCC500	PO113580.D	08 Sep 2025 17:47	YP/AJ	Ok,M
20	AR1242CCC500	PO113581.D	08 Sep 2025 18:43	YP/AJ	Ok,M
21	AR1248CCC500	PO113582.D	08 Sep 2025 19:01	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090825

Review By	yogesh	Review On	9/8/2025 10:58:35 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:01 AM
SubDirectory	PO090825	HP Acquire Method	HP Processing Method PO081825
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	AR1254CCC500	PO113583.D	08 Sep 2025 19:19	YP/AJ	Ok,M
23	I.BLK	PO113584.D	08 Sep 2025 19:38	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090925

Review By	yogesh	Review On	9/9/2025 12:03:27 PM
Supervise By	mohammad	Supervise On	9/11/2025 1:28:59 AM
SubDirectory	PO090925	HP Acquire Method	HP Processing Method PO081825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO113585.D	08 Sep 2025 19:55	YP/AJ	Ok
2	I.BLK	PO113586.D	08 Sep 2025 20:14	YP/AJ	Ok
3	AR1232ICC1000	PO113587.D	08 Sep 2025 20:32	YP/AJ	Ok
4	AR1232ICC750	PO113588.D	08 Sep 2025 20:51	YP/AJ	Ok
5	AR1232ICC500	PO113589.D	08 Sep 2025 21:09	YP/AJ	Ok
6	AR1232ICC250	PO113590.D	08 Sep 2025 21:27	YP/AJ	Ok,M
7	AR1232ICC050	PO113591.D	08 Sep 2025 21:46	YP/AJ	Ok,M
8	AR1232ICV500	PO113592.D	08 Sep 2025 22:04	YP/AJ	Ok
9	AR1660CCC500	PO113593.D	08 Sep 2025 22:59	YP/AJ	Ok,M
10	AR1232CCC500	PO113594.D	09 Sep 2025 00:11	YP/AJ	Ok,M
11	I.BLK	PO113595.D	09 Sep 2025 00:30	YP/AJ	Ok
12	PB169600BL	PO113596.D	09 Sep 2025 00:48	YP/AJ	Not Ok
13	Q3015-15	PO113597.D	09 Sep 2025 01:07	YP/AJ	Ok
14	AR1660CCC500	PO113598.D	09 Sep 2025 02:02	YP/AJ	Ok
15	AR1232CCC500	PO113599.D	09 Sep 2025 02:57	YP/AJ	Ok
16	I.BLK	PO113600.D	09 Sep 2025 04:10	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM
SubDirectory	PO081825	HP Acquire Method	HP Processing Method PO081825

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO113001.D	18 Aug 2025 09:16		YP/AJ	Ok
2	I.BLK	I.BLK	PO113002.D	18 Aug 2025 09:34		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO113003.D	18 Aug 2025 09:53		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO113004.D	18 Aug 2025 10:11		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO113005.D	18 Aug 2025 10:29		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO113006.D	18 Aug 2025 10:48		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO113007.D	18 Aug 2025 11:06		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO113008.D	18 Aug 2025 11:25		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO113009.D	18 Aug 2025 11:43		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO113010.D	18 Aug 2025 12:01		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO113011.D	18 Aug 2025 12:20		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO113012.D	18 Aug 2025 12:38		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO113013.D	18 Aug 2025 12:57		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO113014.D	18 Aug 2025 13:15		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO113015.D	18 Aug 2025 13:34		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO113016.D	18 Aug 2025 13:52		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO113017.D	18 Aug 2025 14:09		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO113018.D	18 Aug 2025 14:28		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM
SubDirectory	PO081825	HP Acquire Method	HP Processing Method PO081825
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		

19	AR1248ICC050	AR1248ICC050	PO113019.D	18 Aug 2025 14:46		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO113020.D	18 Aug 2025 15:05		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO113021.D	18 Aug 2025 15:23		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO113022.D	18 Aug 2025 15:41		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO113023.D	18 Aug 2025 16:00		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO113024.D	18 Aug 2025 16:18		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO113025.D	18 Aug 2025 16:54		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO113026.D	18 Aug 2025 17:12		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO113027.D	18 Aug 2025 17:30		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO113028.D	18 Aug 2025 17:48		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO113029.D	18 Aug 2025 18:06		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO113030.D	18 Aug 2025 18:24		YP/AJ	Ok,M
31	PO081825ICV500	ICVPO081825	PO113031.D	18 Aug 2025 18:43		YP/AJ	Ok
32	AR1242ICV500	ICVPO081825AR1242	PO113032.D	18 Aug 2025 19:37		YP/AJ	Ok
33	AR1248ICV500	ICVPO081825AR1248	PO113033.D	18 Aug 2025 19:54		YP/AJ	Ok
34	AR1254ICV500	ICVPO081825AR1254	PO113034.D	18 Aug 2025 20:31		YP/AJ	Ok
35	AR1268ICV500	ICVPO081825AR1268	PO113035.D	18 Aug 2025 21:07		YP/AJ	Ok,M
36	DDT ANALOG	DDT ANALOG	PO113036.D	18 Aug 2025 21:44		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090825

Review By	yogesh	Review On	9/8/2025 10:58:35 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:01 AM
SubDirectory	PO090825	HP Acquire Method	HP Processing Method PO081825

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	PO113562.D	08 Sep 2025 09:14		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO113563.D	08 Sep 2025 09:32		YP/AJ	Ok,M
3	I.BLK	I.BLK	PO113564.D	08 Sep 2025 09:51		YP/AJ	Ok,M
4	Q2893-09	MDL-WATER-03-QT3-2	PO113565.D	08 Sep 2025 10:09	AR1248 WATER MDL 25PPB	YP/AJ	Ok,M
5	Q2893-03	MDL-SOIL-03-QT3-202	PO113566.D	08 Sep 2025 10:34	AR1248 SOIL MDL 25PPB	YP/AJ	Ok,M
6	Q2893-03	MDL-SOIL-03-QT3-202	PO113567.D	08 Sep 2025 10:53	AR1242 SOIL MDL 25PPB	YP/AJ	Ok,M
7	AR1660CCC500	AR1660CCC500	PO113568.D	08 Sep 2025 11:29		YP/AJ	Ok,M
8	AR1242CCC500	AR1242CCC500	PO113569.D	08 Sep 2025 11:51		YP/AJ	Ok,M
9	AR1248CCC500	AR1248CCC500	PO113570.D	08 Sep 2025 12:10		YP/AJ	Ok,M
10	AR1254CCC500	AR1254CCC500	PO113571.D	08 Sep 2025 12:28		YP/AJ	Ok,M
11	I.BLK	I.BLK	PO113572.D	08 Sep 2025 12:46		YP/AJ	Ok
12	PB169600BL	PB169600BL	PO113573.D	08 Sep 2025 14:41		YP/AJ	Ok,M
13	Q3015-15	WP0925-PT-PCBW-WF	PO113574.D	08 Sep 2025 14:59	AR1232 HIT , CCC Missing	YP/AJ	Not Ok
14	PB169600BS	PB169600BS	PO113575.D	08 Sep 2025 15:21		YP/AJ	Ok,M
15	PB169600BSD	PB169600BSD	PO113576.D	08 Sep 2025 15:39		YP/AJ	Ok,M
16	Q3022-01	1413	PO113577.D	08 Sep 2025 15:58		YP/AJ	Ok,M
17	Q3033-01	BUR-25-0077	PO113578.D	08 Sep 2025 16:16		YP/AJ	Ok
18	Q3036-03	EGR-2	PO113579.D	08 Sep 2025 16:35		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090825

Review By	yogesh	Review On	9/8/2025 10:58:35 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:01 AM
SubDirectory	PO090825	HP Acquire Method	HP Processing Method PO081825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1660CCC500	AR1660CCC500	PO113580.D	08 Sep 2025 17:47		YP/AJ	Ok,M
20	AR1242CCC500	AR1242CCC500	PO113581.D	08 Sep 2025 18:43		YP/AJ	Ok,M
21	AR1248CCC500	AR1248CCC500	PO113582.D	08 Sep 2025 19:01		YP/AJ	Ok
22	AR1254CCC500	AR1254CCC500	PO113583.D	08 Sep 2025 19:19		YP/AJ	Ok,M
23	I.BLK	I.BLK	PO113584.D	08 Sep 2025 19:38		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090925

Review By	yogesh	Review On	9/9/2025 12:03:27 PM
Supervise By	mohammad	Supervise On	9/11/2025 1:28:59 AM
SubDirectory	PO090925	HP Acquire Method	HP Processing Method PO081825
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	PO113585.D	08 Sep 2025 19:55		YP/AJ	Ok
2	I.BLK	I.BLK	PO113586.D	08 Sep 2025 20:14		YP/AJ	Ok
3	AR1232ICC1000	AR1232ICC1000	PO113587.D	08 Sep 2025 20:32		YP/AJ	Ok
4	AR1232ICC750	AR1232ICC750	PO113588.D	08 Sep 2025 20:51		YP/AJ	Ok
5	AR1232ICC500	AR1232ICC500	PO113589.D	08 Sep 2025 21:09		YP/AJ	Ok
6	AR1232ICC250	AR1232ICC250	PO113590.D	08 Sep 2025 21:27		YP/AJ	Ok,M
7	AR1232ICC050	AR1232ICC050	PO113591.D	08 Sep 2025 21:46		YP/AJ	Ok,M
8	AR1232ICV500	ICVPO090925AR1232	PO113592.D	08 Sep 2025 22:04		YP/AJ	Ok
9	AR1660CCC500	AR1660CCC500	PO113593.D	08 Sep 2025 22:59		YP/AJ	Ok,M
10	AR1232CCC500	AR1232CCC500	PO113594.D	09 Sep 2025 00:11		YP/AJ	Ok,M
11	I.BLK	I.BLK	PO113595.D	09 Sep 2025 00:30		YP/AJ	Ok
12	PB169600BL	PB169600BL	PO113596.D	09 Sep 2025 00:48	already analyzed	YP/AJ	Not Ok
13	Q3015-15	WP0925-PT-PCBW-WF	PO113597.D	09 Sep 2025 01:07	AR1232 HIT	YP/AJ	Ok
14	AR1660CCC500	AR1660CCC500	PO113598.D	09 Sep 2025 02:02		YP/AJ	Ok
15	AR1232CCC500	AR1232CCC500	PO113599.D	09 Sep 2025 02:57		YP/AJ	Ok
16	I.BLK	I.BLK	PO113600.D	09 Sep 2025 04:10		YP/AJ	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction PCB-15

Clean Up SOP #: Acid Cleanup

Matrix : Water

Weigh By: N/A

Extraction By: RJ

Balance check: N/A

Filter By: RJ

Balance ID: N/A

pH Meter ID: N/A

pH Strip Lot#: E3953

Hood ID: 4,6,7

Extraction Start Date : 09/08/2025

Extraction Start Time : 10:00

Extraction End Date : 09/08/2025

Extraction End Time : 14:15

Concentration By: EH

Supervisor By : ritesh

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24799
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
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2636
Hexane	N/A	E3968
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721.Q3036-03 used Limited volume as sample is oily.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/8/25	RJ LEA-LAB	Y-p-esthpb
14:20	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction PCB-15

Concentration Date: 09/08/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169600BL	ABLK600	PCB	1000	6	ritesh	Evelyn	10			SEP-1
PB169600BS	ALCS600	PCB	1000	6	ritesh	Evelyn	10			2
PB169600BSD	ALCSD600	PCB	1000	6	ritesh	Evelyn	10			3
Q3015-15	WP0925-PT-PCBW-WP	PCB	1000	6	ritesh	Evelyn	10			4
Q3022-01	1413	PCB	1000	6	ritesh	Evelyn	10	P		5
Q3033-01	BUR-25-0077	PCB	1000	6	ritesh	Evelyn	10	E		6
Q3036-03	EGR-2	PCB	100	6	ritesh	Evelyn	10	E	OILY	7

RJ
9/8

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3022

WorkList ID : 191729

Department : Extraction

Date : 09-08-2025 09:14:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3015-15	WP0925-PT-PCBW-WP	Water	PCB	Cool 4 deg C	ALLI03	QA Of	09/02/2025	8082A
Q3022-01	1413	Water	PCB	Cool 4 deg C	PSEG03	D31	09/04/2025	8082A
Q3033-01	BUR-25-0077	Water	PCB	Cool 4 deg C	PSEG03	D31	09/05/2025	8082A
Q3036-03	EGR-2	Water	PCB	Cool 4 deg C	PSEG03		09/05/2025	8082A

Date/Time 09/08/25 9:55

Raw Sample Received by: RJ Lutz-Webb

Raw Sample Relinquished by: CS

Date/Time 09/08/25 10:30

Raw Sample Received by: CS

Raw Sample Relinquished by: RJ Lutz-Webb

Prep Standard - Chemical Standard Summary

Order ID : Q3015

Test : PCB

Prepbatch ID : PB169600,

Sequence ID/Qc Batch ID: PO090825,PO090925,

Standard ID :

EP2610,EP2636,PP24329,PP24330,PP24381,PP24663,PP24799,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,

Chemical ID :

E3804,E3875,E3944,E3955,E3962,E3963,E3964,E3968,M6157,P11522,P11592,P12700,P12703,P12951,P12952,P12957,P13356,P13373,P13375,P13590,P13592,P13695,P13697,P13706,P13786,P13789,P13833,P13879,P13881,P13885,W3112,W3177,W3234,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025
<u>FROM</u>	1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2636	08/27/2025	01/28/2026	Riteshkumar Patel	Extraction_SC ALE_2 (EX-SC-2)	None	Evelyn Huang 08/27/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24799	08/12/2025	02/12/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 0.50000ml of P12951 + 99.50000ml of E3955 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	PP24807	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13879 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	PP24809	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13695 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	PP24811	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13881 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP24814	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P12952 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24816	08/18/2025	09/18/2025	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24818	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13590 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2193	AR1254 100 PPM STOCK SOLUTION	PP24820	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13833 + 9.00000ml of E3963 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24822	08/18/2025	09/18/2025	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP24824	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP24826	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24824 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP24828	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24806 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP24830	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24828 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP24832	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24807 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP24834	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24832 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP24836	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24808 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP24838	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24836 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP24840	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24809 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP24842	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24840 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP24844	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24810 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP24846	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24844 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP24848	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24811 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP24850	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24848 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP24852	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24812 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP24854	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24852 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3790	AR1221 500 PPB ICV(AGILENT)	PP24856	08/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24816 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP24858	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24818 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP24860	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	PP24862	08/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24822 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	02/18/2026	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	08/14/2025 / RUPESH	03/06/2025 / RUPESH	E3964

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)	25CO362005	03/03/2026	09/03/2025 / Riteshkumar	08/27/2025 / Riteshkumar	E3968

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12700

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	x9166 / Aroclor 1262 100 ug/mL	060523	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12703

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	02/12/2026	08/12/2025 / Abdul	12/20/2023 / Yogesh	P12951

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.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0207511	02/18/2026	08/18/2025 / yogesh	05/03/2024 / Abdul	P13375

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13592

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	A0214733	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13695

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	A0210232	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13706

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance



**PRODUCTOS
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MONTERREY, S.A. DE C.V.**

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MONTERREY, N.L. MÉXICO
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TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

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



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E 3955

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone.
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 8/6/25

E 3963

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date: 2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on .

E 3964

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05\%$	$<0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec on 8/27/25

E 3968

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG157
MS

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 ₂ SO 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 SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

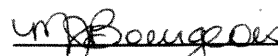
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 Lot No.: A0175403
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 41.4406 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

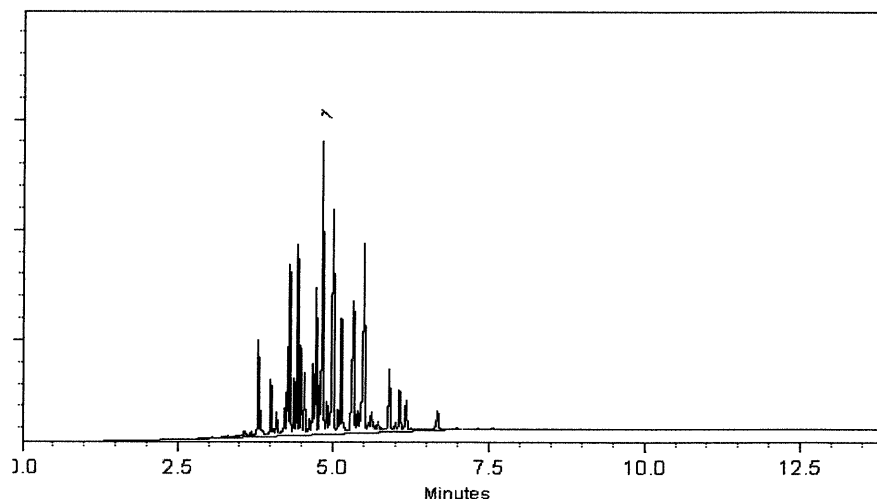
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11588
↓
P11592 / (5)

AR
04/30/22



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

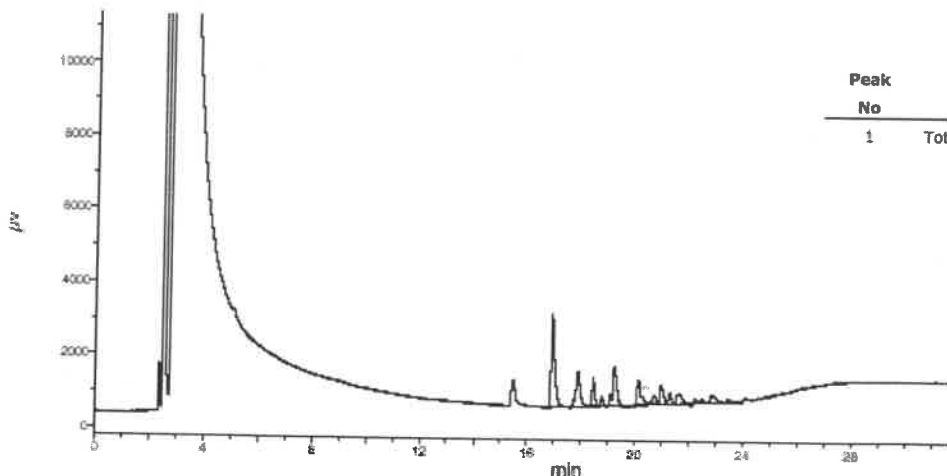
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5 μm 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 = 1.5 μL , Range=3





CERTIFIED WEIGHT REPORT

Part Number: X9166
Lot Number: 060523
Description: Aroclor 1262

Solvent(s):
Methanol

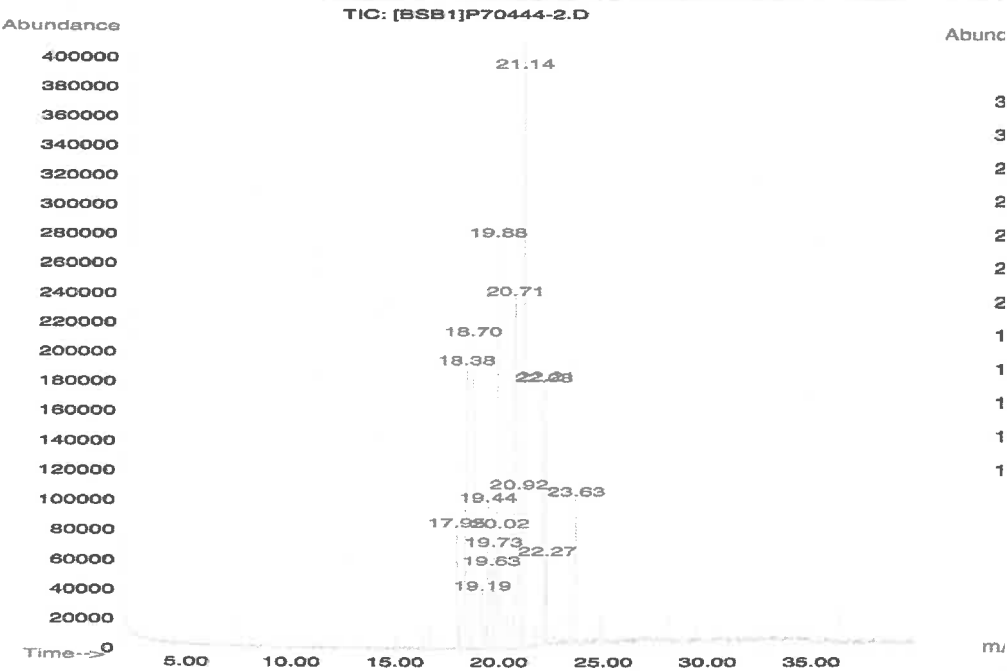
Appendix IX Compound

Expiration Date: 060533
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0 0.002
5E-05 Balance Uncertainty
Flask Uncertainty

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Co
1. Aroclor 1262	70444	080322	0.10	2.00	0.017	

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickn min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.



- The certified value is the concentration calculated from gravimetric and volumetric me
- Standards are prepared gravimetrically using balances that are calibrated with weight
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appro
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 022023
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
Expiration Date: 022033
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): Hexane
Lot# 273615

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

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YAP.
12/20/23

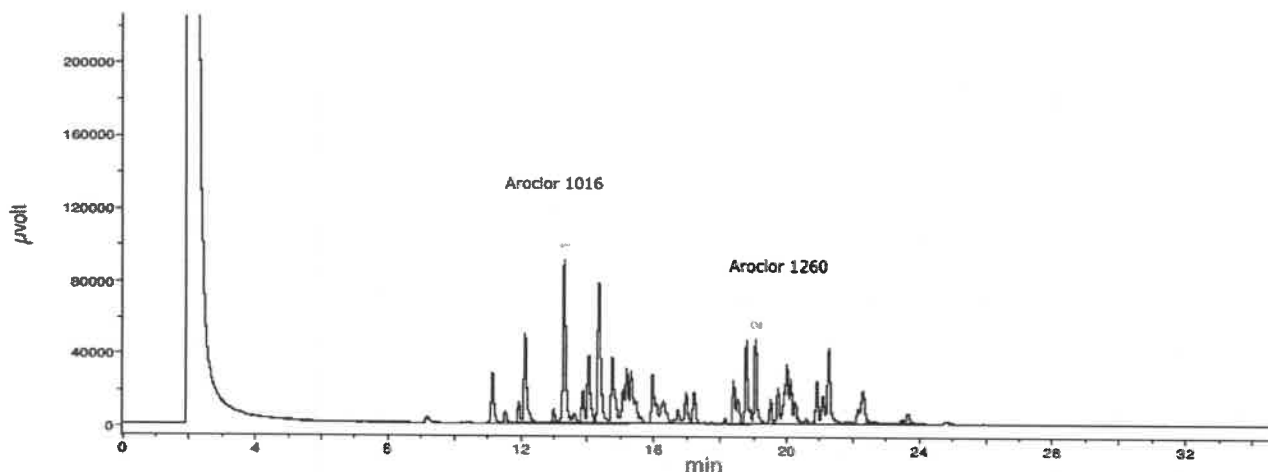
Weight(s) shown below were combined and diluted to (mL): 200.0
5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	ori-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 022023
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
Expiration Date: 022033
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): Hexane
Lot# 273615

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

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YAP.
12/20/23

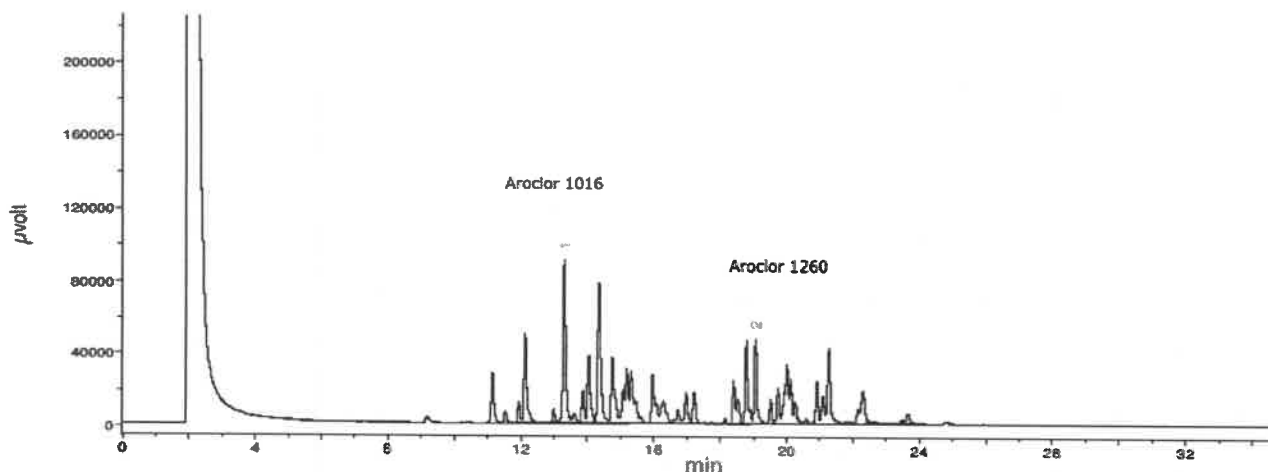
Weight(s) shown below were combined and diluted to (mL): 200.0
5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	ori-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **99139**
Lot Number: **121823**
Description: **Aroclor 1254**

Solvent(s):
Iso-octane
Lot#
82227

<i>Anthony Mahoney</i>		121823
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 } Y.P.
12/20/23
P12957 }

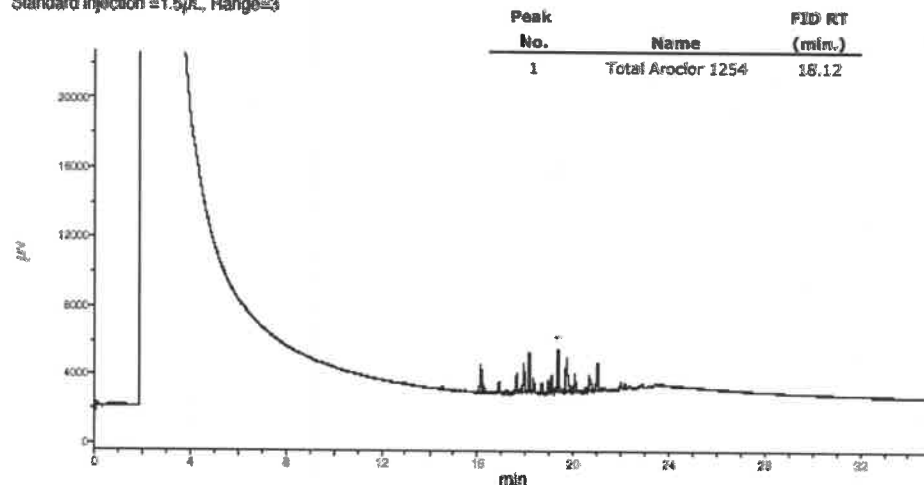
Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB
Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-606 30 meter X 0.53mm X 5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

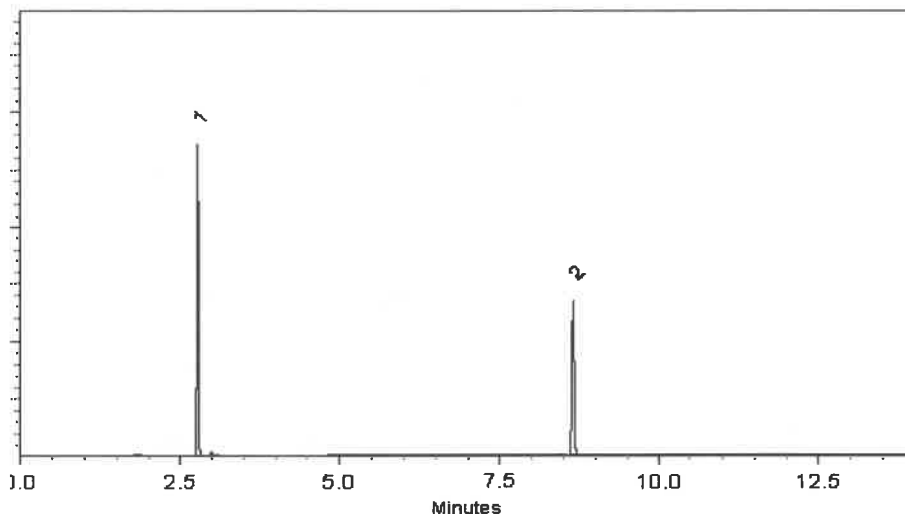
ECD

Split Vent:

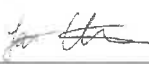
10 ml/min.

Inj. Vol

1µl

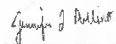


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

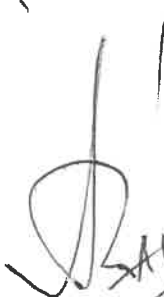
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
↓
P 13375
/

[Signature]
05/6/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

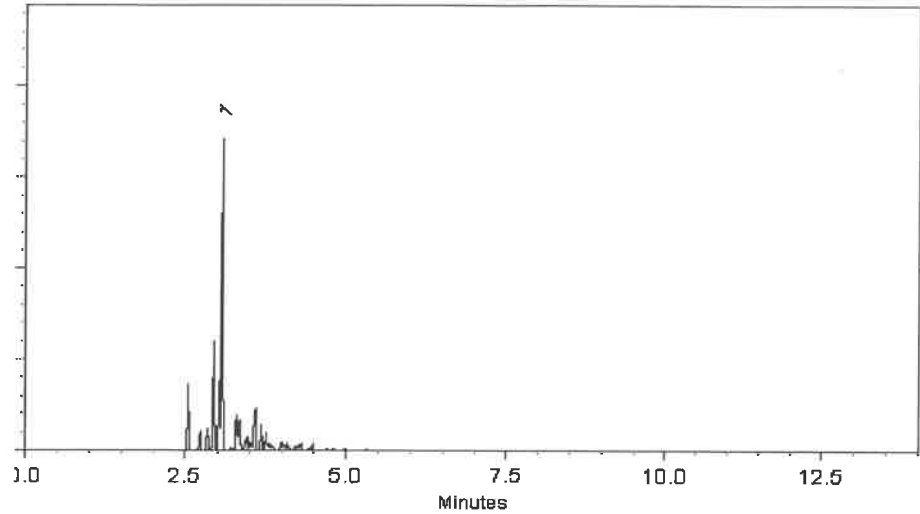
ECD

Split Vent:

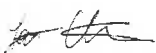
10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 06-Feb-2024

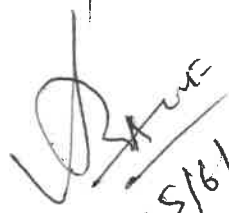
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

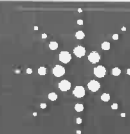
Date Passed: 08-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13374 } ②
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P 13375 }


05/6/2024

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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P13590AJ
10/14/24

ISO 17034



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 95T215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1248 Standard

Lot Number: 0006726317

Product Number: PP-342-1

Lot Issue Date: 27-Jan-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 28-Feb-2031

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3 ±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
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P13592

AS
10/14/2024



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1

ISO 17025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0214733

Description : Aroclor® 1248 Standard
Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13695 } Y.P.
P13696 } 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	15242800	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

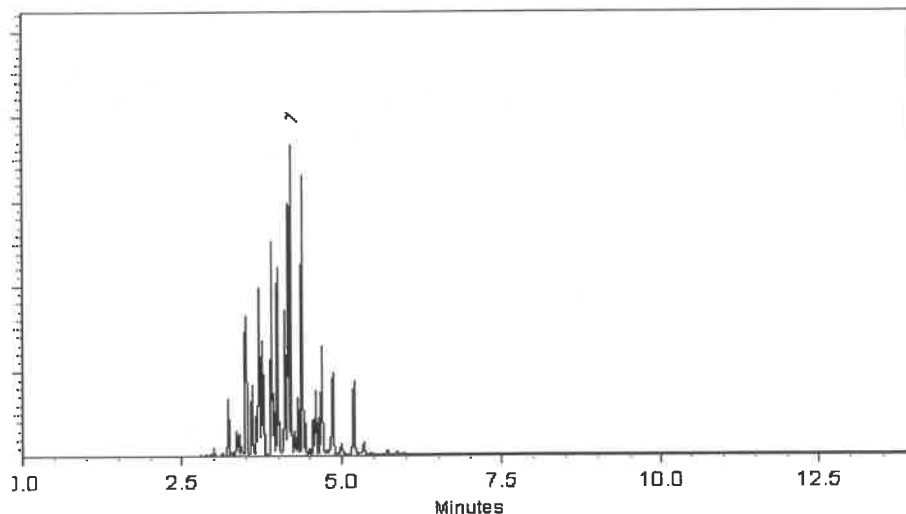
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 02-Aug-2024

Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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:

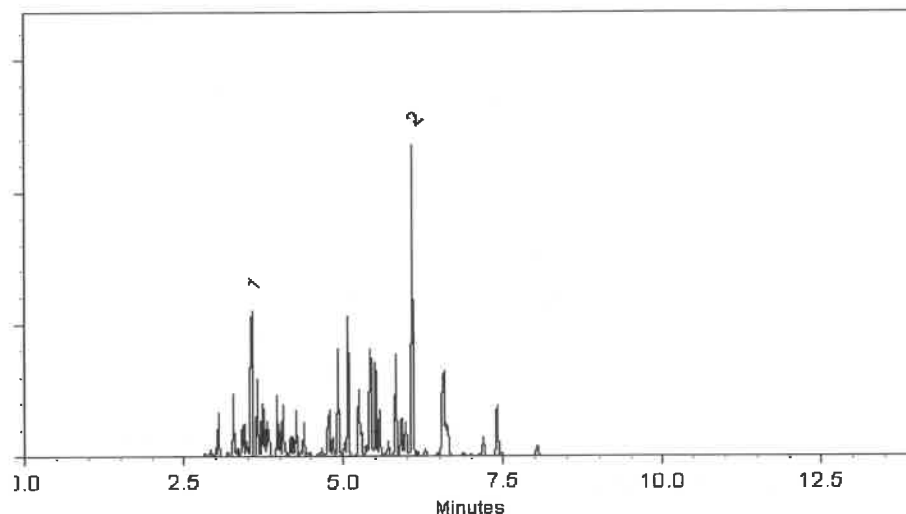
ECD

Split Vent:

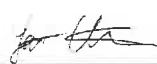
10 ml/min.

Inj. Vol

0.2µl

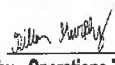


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13706 } y.p.
P13707 } 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,000.7 µg/mL	+/- 55.5295

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

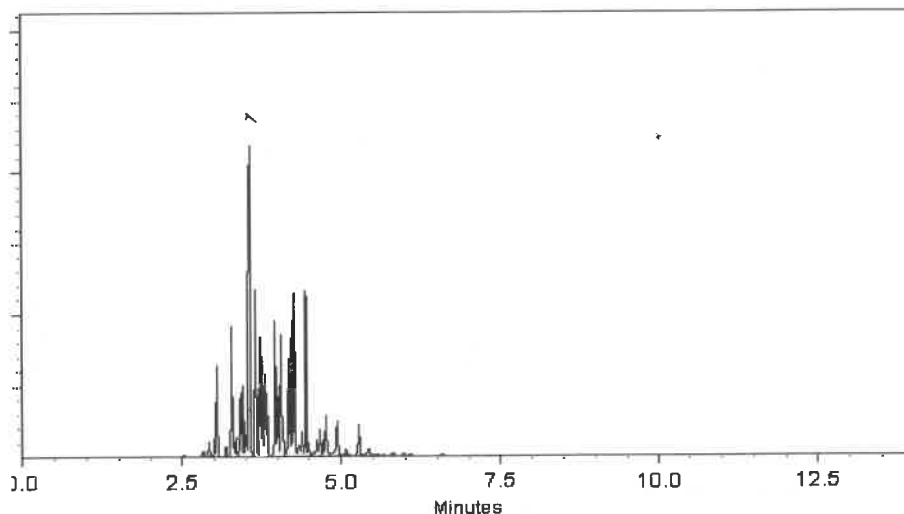
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 17-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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:

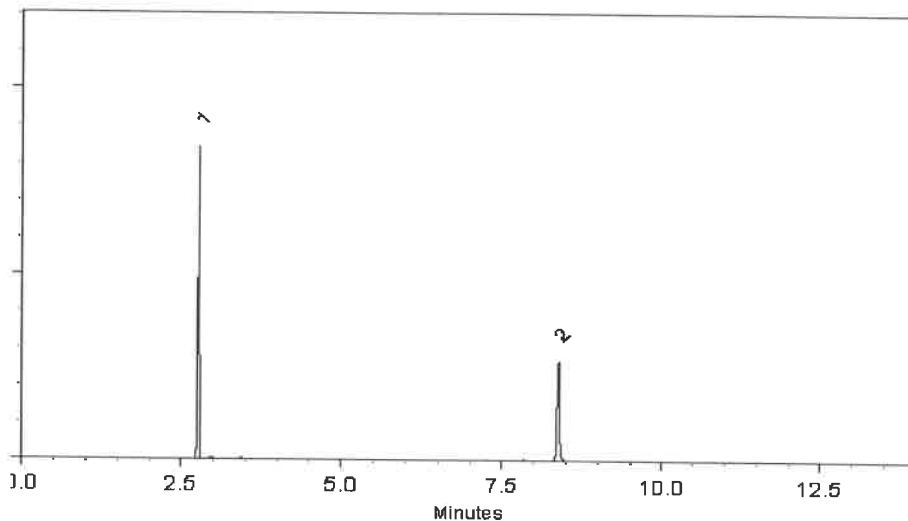
ECD

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.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

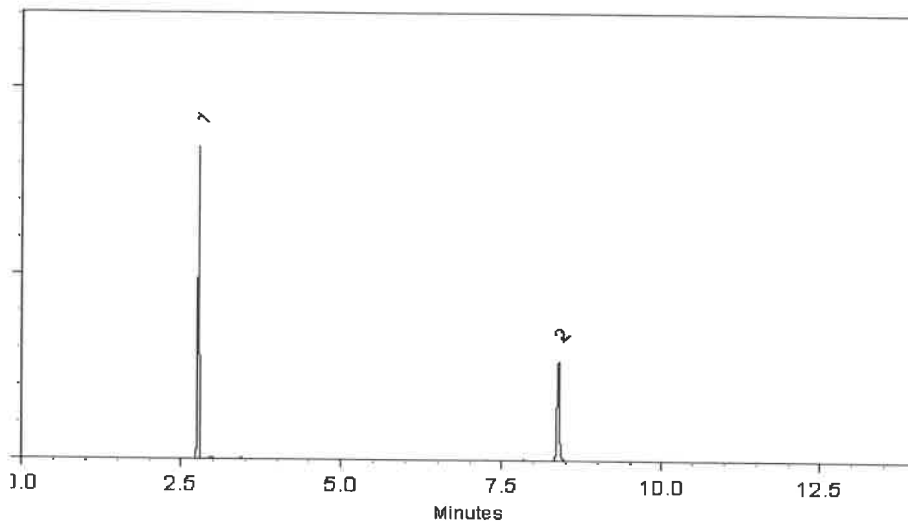
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
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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:

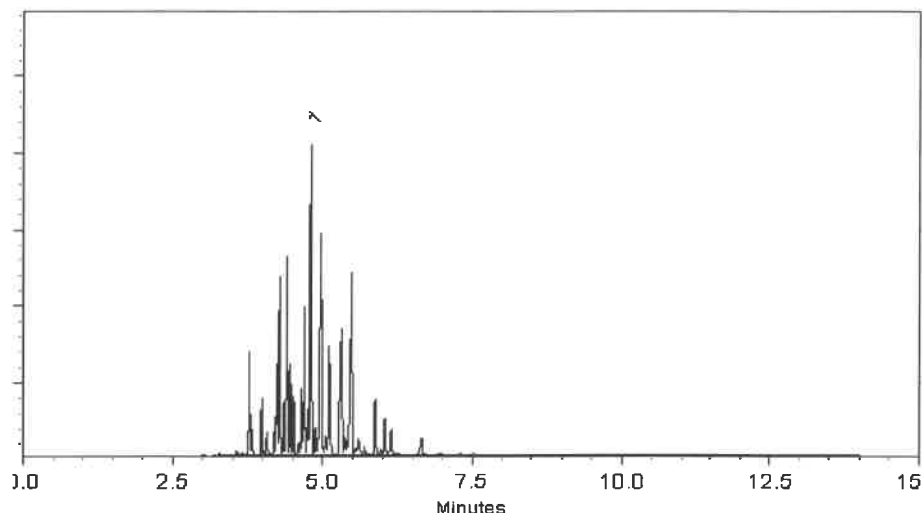
ECD

Split Vent:

300 ml/min.

Inj. Vol

1µl



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Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024

Balance Serial # C322230531

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13878
↓
P13850

AJ
01/28/25

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

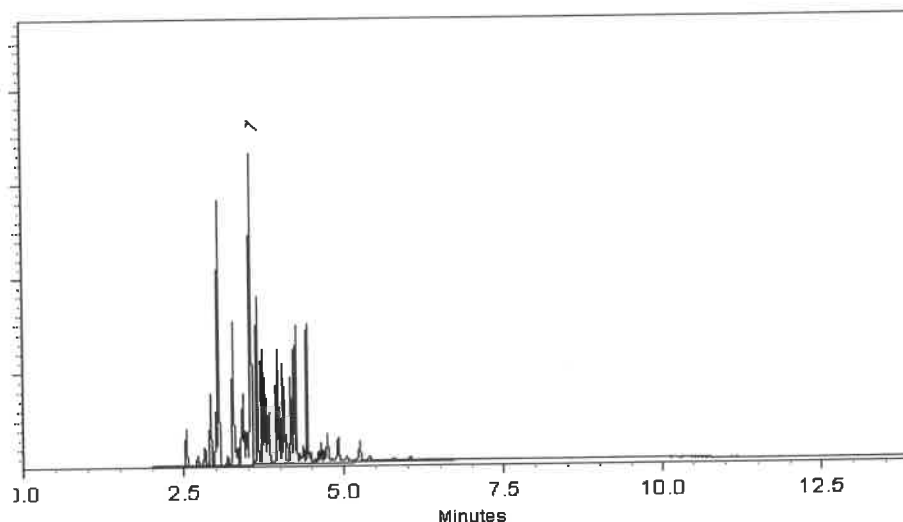
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024

Balance Serial # C322230531

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0217041

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1262	37324-23-5	10849100	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13881
AJ
01/28/25

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

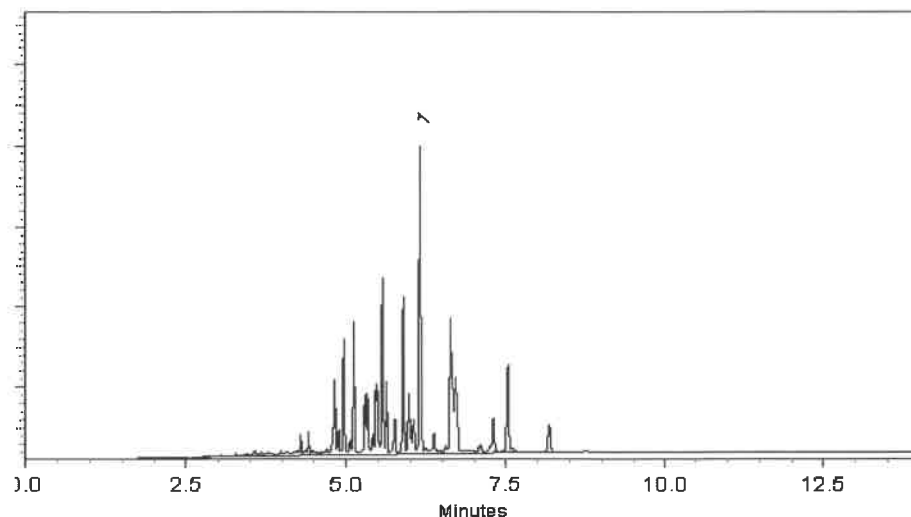
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 25-Sep-2024

Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

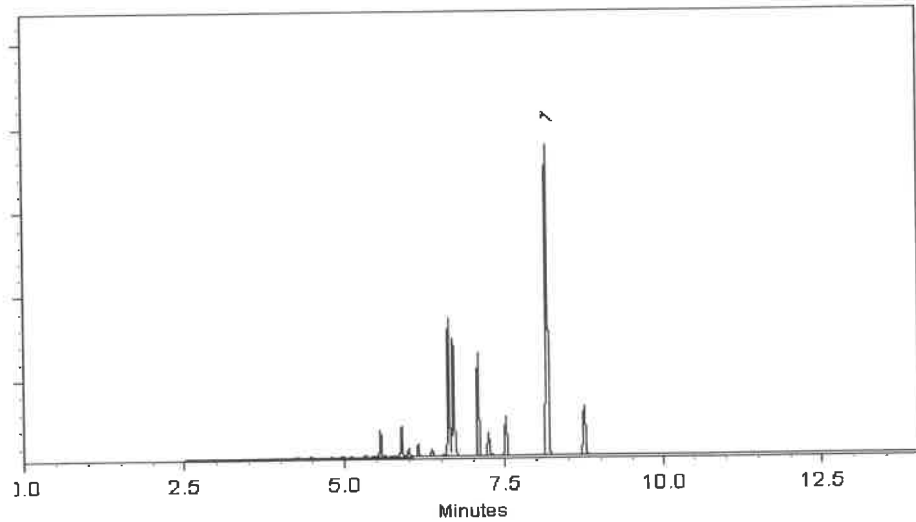
ECD

Split Vent:

Split ratio 500:1

Inj. Vol

0.2µl



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Stacey Wanner - Operations Technician I

Date Mixed: 01-Oct-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantor**™



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 JB
OP4421 07/28/2025

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



SHIPPING DOCUMENTS

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsandsale

Date	Order #
09/02/2025	333290



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: *ST* 9/4/2025
9:25

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0925	8270-04
1	1	0	PT-HG-WP	WP Mercury	WP0925	8270-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0925	8270-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0925	8270-06
1	1	0	PT-DEM-WP	WP Demand	WP0925	8270-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0925	8270-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0925	8270-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-SOL-WP	WP Solids	WP0925	8270-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0925	8270-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0925	8270-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0925	8270-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0925	8270-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0925	8270-13
1	1	0	PT-PH-WP	WP pH	WP0925	8270-15
1	1	0	PT-CN-WP	WP Cyanide	WP0925	8270-14

Packing List

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Date	Order #
09/02/2025	333290



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/4/2025
9:25

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-PHEN-WP	WP Phenolics	WP0925	8270-16
1	1	0	PT-S2-WP	WP Sulfide	WP0925	8270-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0925	8270-17
1	1	0	PT-VSOL-WP	WP Volatile Solids	WP0925	8270-18
1	1	0	PT-TURB-WP	WP Turbidity	WP0925	8270-20
1	1	0	PT-SIO2-WP	WP Silica	WP0925	8270-21
1	1	0	PT-COL-WP	WP Color	WP0925	8270-51
1	1	0	PT-VOA-WP	WP Volatiles	WP0925	8270-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0925	8270-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0925	8270-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0925	8270-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0925	8270-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0925	8270-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0925	8270-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0925	8270-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R41815	R41815-104
1	1	0	RR-PAH-WP	WP PAH-Low Level	R41815	R41815-37
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R41815	R41815-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R41815	R41815-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R41815	R41815-98

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www.phenova.com

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www.phenova.com/home/termsandsale

Date	Order #
09/05/2025	340092



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

9/9/2025 12:20

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R41854	R41854-108

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