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Cover Page

Order ID : Q1242

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1242-01	JPP-6.2-013025
Q1242-02	JPP-6.2-013025
Q1242-03	JPP-6.2-013025
Q1242-04	JPP-6.2-013025

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: 2/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1242**

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

QA Review Signature: **PATEL VAISHALI** **Date:** **02/08/2025**

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LAB CHRONICLE

OrderID:	Q1242	**OrderDate:**	1/30/2025 3:02:00 PM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1242-01	**JPP-6.2-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1242-03	**JPP-6.2-013025**	**SOIL**			**01/30/25**			**01/30/25**
			PCB	8082A		01/31/25	02/01/25	
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1242-03RE	**JPP-6.2-013025RE**	**SOIL**			**01/30/25**			**01/30/25**
			PCB	8082A		01/31/25	02/04/25	
Q1242-04	**JPP-6.2-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP Herbicide	8151A		02/03/25	02/03/25	
			TCLP Pesticide	8081B		02/03/25	02/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1242 **Order ID:** Q1242

Client: RU2 Engineering, LLC **Project ID:** NYCDDC SANTWOBR Brooklyn Bri

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC SUMMARY

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Surrogate Summary

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO108981.D	PIBLK-PO108981.D	Tetrachloro-m-xylene	1	20	21.9	109		60	140
		Decachlorobiphenyl	1	20	21.6	108		60	140
		Tetrachloro-m-xylene	2	20	20.6	103		60	140
		Decachlorobiphenyl	2	20	21.9	109		60	140
I.BLK-PO109321.D	PIBLK-PO109321.D	Tetrachloro-m-xylene	1	20	20.3	102		60	140
		Decachlorobiphenyl	1	20	17.8	89		60	140
		Tetrachloro-m-xylene	2	20	19.1	95		60	140
		Decachlorobiphenyl	2	20	17.8	89		60	140
PB166412BL	PB166412BL	Tetrachloro-m-xylene	1	20	24.1	120		32	144
		Decachlorobiphenyl	1	20	21.0	105		32	175
		Tetrachloro-m-xylene	2	20	22.7	114		32	144
		Decachlorobiphenyl	2	20	21.0	105		32	175
PB166412BS	PB166412BS	Tetrachloro-m-xylene	1	20	23.1	116		32	144
		Decachlorobiphenyl	1	20	21.8	109		32	175
		Tetrachloro-m-xylene	2	20	22.0	110		32	144
		Decachlorobiphenyl	2	20	21.4	107		32	175
I.BLK-PO109335.D	PIBLK-PO109335.D	Tetrachloro-m-xylene	1	20	20.1	101		60	140
		Decachlorobiphenyl	1	20	16.1	81		60	140
		Tetrachloro-m-xylene	2	20	19.7	99		60	140
		Decachlorobiphenyl	2	20	17.1	86		60	140
I.BLK-PO109348.D	PIBLK-PO109348.D	Tetrachloro-m-xylene	1	20	20.2	101		60	140
		Decachlorobiphenyl	1	20	17.1	85		60	140
		Tetrachloro-m-xylene	2	20	19.8	99		60	140
		Decachlorobiphenyl	2	20	17.5	88		60	140
Q1232-03MS	JPP-46.2-012925MS	Tetrachloro-m-xylene	1	20	22.5	112		32	144
		Decachlorobiphenyl	1	20	18.5	93		32	175
		Tetrachloro-m-xylene	2	20	22.2	111		32	144
		Decachlorobiphenyl	2	20	19.9	100		32	175
Q1232-03MSD	JPP-46.2-012925MSD	Tetrachloro-m-xylene	1	20	22.3	112		32	144
		Decachlorobiphenyl	1	20	18.4	92		32	175
		Tetrachloro-m-xylene	2	20	22.2	111		32	144
		Decachlorobiphenyl	2	20	20.0	100		32	175
Q1242-03	JPP-6.2-013025	Tetrachloro-m-xylene	1	20	19.9	100		32	144
		Decachlorobiphenyl	1	20	12.1	61		32	175
		Tetrachloro-m-xylene	2	20	20.1	100		32	144
		Decachlorobiphenyl	2	20	13.1	65		32	175
I.BLK-PO109365.D	PIBLK-PO109365.D	Tetrachloro-m-xylene	1	20	19.8	99		60	140
		Decachlorobiphenyl	1	20	13.4	67		60	140
		Tetrachloro-m-xylene	2	20	19.9	100		60	140
		Decachlorobiphenyl	2	20	15.1	75		60	140
I.BLK-PO109369.D	PIBLK-PO109369.D	Tetrachloro-m-xylene	1	20	20.8	104		10	157

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Surrogate Summary

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO109369.D	PIBLK-PO109369.D	Decachlorobiphenyl	1	20	21.4	107		10	173
		Tetrachloro-m-xylene	2	20	20.1	101		10	157
		Decachlorobiphenyl	2	20	21.6	108		10	173
I.BLK-PO109406.D	PIBLK-PO109406.D	Tetrachloro-m-xylene	1	20	22.7	114		60	140
		Decachlorobiphenyl	1	20	23.0	115		60	140
		Tetrachloro-m-xylene	2	20	21.0	105		60	140
		Decachlorobiphenyl	2	20	24.1	121		60	140
Q1232-03MSRE	JPP-46.2-012925MSRE	Tetrachloro-m-xylene	1	20	21.0	105		32	144
		Decachlorobiphenyl	1	20	21.1	105		32	175
		Tetrachloro-m-xylene	2	20	20.4	102		32	144
		Decachlorobiphenyl	2	20	22.9	114		32	175
Q1232-03MSDRE	JPP-46.2-012925MSDRE	Tetrachloro-m-xylene	1	20	20.8	104		32	144
		Decachlorobiphenyl	1	20	20.5	102		32	175
		Tetrachloro-m-xylene	2	20	20.4	102		32	144
		Decachlorobiphenyl	2	20	22.8	114		32	175
Q1242-03RE	JPP-6.2-013025RE	Tetrachloro-m-xylene	1	20	18.6	93		32	144
		Decachlorobiphenyl	1	20	13.3	67		32	175
		Tetrachloro-m-xylene	2	20	18.4	92		32	144
		Decachlorobiphenyl	2	20	14.4	72		32	175
I.BLK-PO109423.D	PIBLK-PO109423.D	Tetrachloro-m-xylene	1	20	22.1	111		60	140
		Decachlorobiphenyl	1	20	15.5	78		60	140
		Tetrachloro-m-xylene	2	20	21.1	105		60	140
		Decachlorobiphenyl	2	20	17.8	89		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8082A **DataFile :** PO109350.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**JPP-46.2-012925MS**											
Q1232-03MS	AR1016	186.5	0	185	ug/kg	99				55	146	
	AR1260	186.5	0	175	ug/kg	94				45	144	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8082A **DataFile :** PO109351.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**JPP-46.2-012925MSD**											
Q1232-03MSD	AR1016	186.5	0	183	ug/kg	98		1		55	146	20
	AR1260	186.5	0	173	ug/kg	93		1		45	144	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8082A **DataFile :** PO109408.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**JPP-46.2-012925MSRE**											
Q1232-03MSRE	AR1016	186.5	0	170	ug/kg	91				55	146	
	AR1260	186.5	0	170	ug/kg	91				45	144	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8082A **DataFile :** PO109409.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**JPP-46.2-012925MSDRE**											
Q1232-03MSDRE	AR1016	186.5	0	167	ug/kg	90		10		55	146	20
	AR1260	186.5	0	167	ug/kg	90		4		45	144	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8082A **Datafile :** PO109324.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166412BS	AR1016	166.5	162	ug/kg	97				71	120	
	AR1260	166.5	149	ug/kg	89				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166412BL

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: PB166412BL Lab File ID: PO109323.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 01/31/2025

Date Analyzed (1): 01/31/2025 Date Analyzed (2): 01/31/2025

Time Analyzed (1): 11:35 Time Analyzed (2): 11:35

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
PB166412BS	PB166412BS	PO109324.D	01/31/2025	01/31/2025
JPP-46.2-012925MS	Q1232-03MS	PO109350.D	02/01/2025	02/01/2025
JPP-46.2-012925MSD	Q1232-03MSD	PO109351.D	02/01/2025	02/01/2025
JPP-6.2-013025	Q1242-03	PO109363.D	02/01/2025	02/01/2025
JPP-46.2-012925MSRE	Q1232-03MSRE	PO109408.D	02/04/2025	02/04/2025
JPP-46.2-012925MSDRE	Q1232-03MSDRE	PO109409.D	02/04/2025	02/04/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PO109363.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-6.2-013025	SDG No.:	Q1242
Lab Sample ID:	Q1242-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	81.2 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109363.D	1	01/31/25 08:15	02/01/25 04:30	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.9	U	4.20	20.9	ug/kg
11104-28-2	Aroclor-1221	20.9	U	7.90	20.9	ug/kg
11141-16-5	Aroclor-1232	20.9	U	4.20	20.9	ug/kg
53469-21-9	Aroclor-1242	20.9	U	4.20	20.9	ug/kg
12672-29-6	Aroclor-1248	20.9	U	9.70	20.9	ug/kg
11097-69-1	Aroclor-1254	20.9	U	3.40	20.9	ug/kg
37324-23-5	Aroclor-1262	20.9	U	5.60	20.9	ug/kg
11100-14-4	Aroclor-1268	20.9	U	4.20	20.9	ug/kg
11096-82-5	Aroclor-1260	20.9	U	3.60	20.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.1		32 - 175	65%	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

Quantitation Report (QT Reviewed)

Sample Results: **PO109363.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 04:30
Operator : YP/AJ
Sample : Q1242-03 (Sig #1); Q1242-13 (Sig #2)
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
JPP-6.2-013025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 05:25:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	150.3E6	107.5E6	19.897m	20.057m
2)	SA Decachlor...	8.759	8.712	83997092	44926580	12.125	13.065
	Target Compounds						

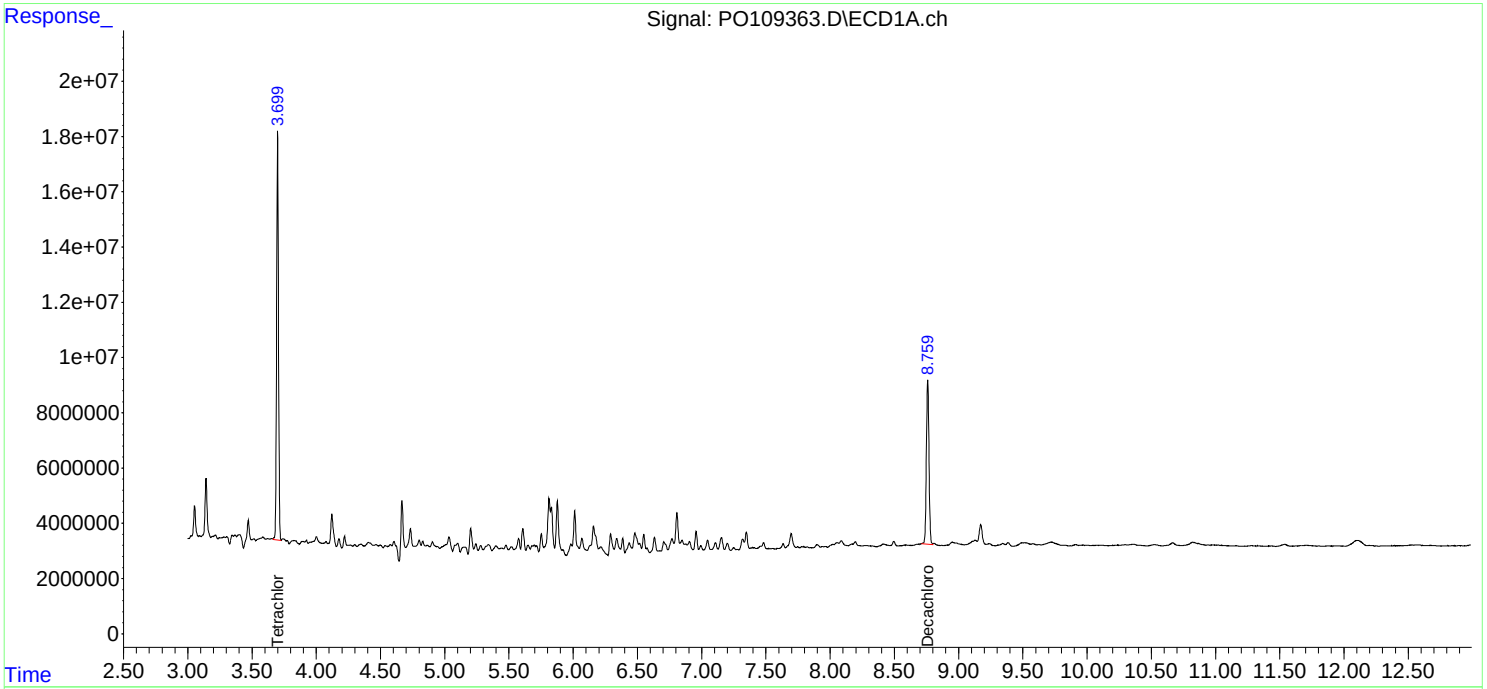
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

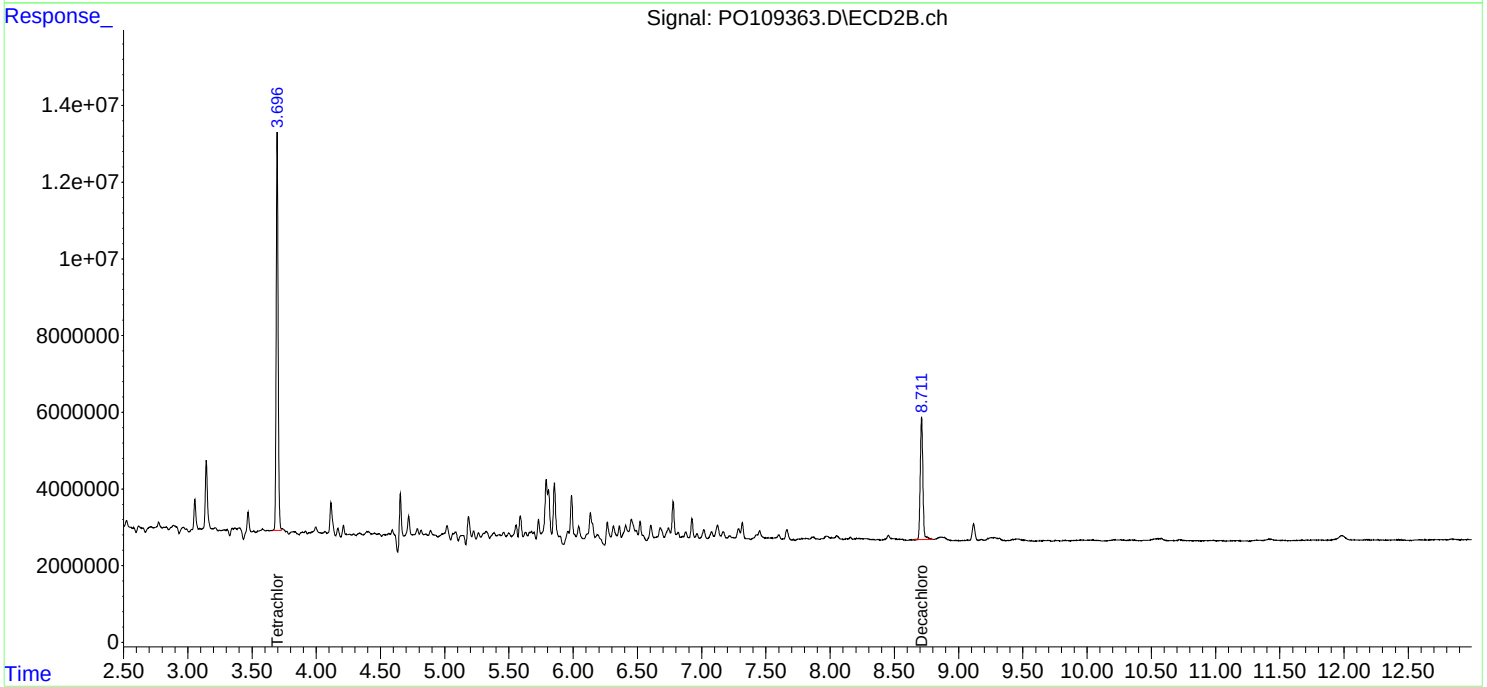
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 04:30
Operator : YP/AJ
Sample : Q1242-03 (Sig #1); Q1242-13 (Sig #2)
Misc :
ALS Vial : 38 Sample Multiplier: 1

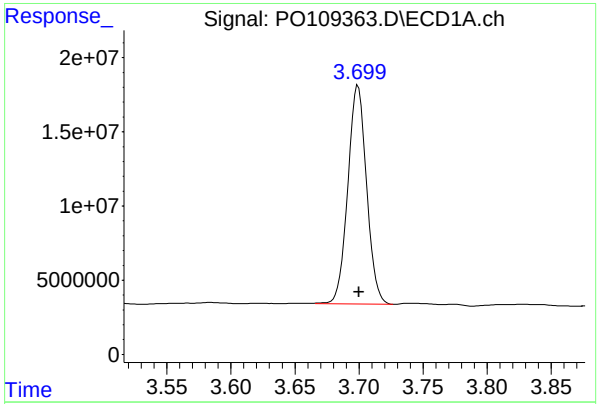
Instrument :
ECD_O
ClientSampleId :
JPP-6.2-013025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 05:25:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



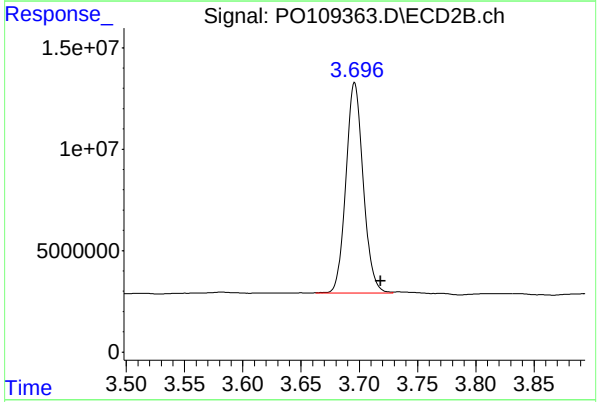




#1 Tetrachloro-m-xylene

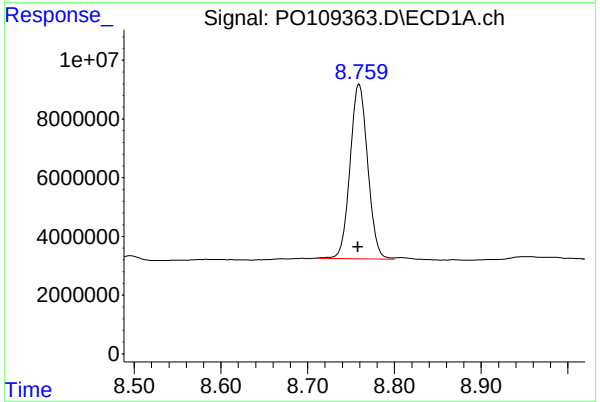
R.T.: 3.699 min
Delta R.T.: -0.002 mi
Response: 150348136
Conc: 19.90 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-6.2-013025



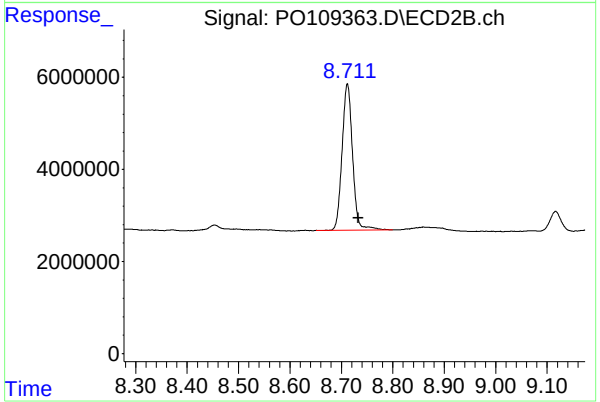
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 107512865
Conc: 20.06 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.001 min
Response: 83997092
Conc: 12.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.712 min
Delta R.T.: -0.021 min
Response: 44926580
Conc: 13.06 ng/ml

Raw Data: **PO109421.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-6.2-013025RE	SDG No.:	Q1242
Lab Sample ID:	Q1242-03RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	81.2 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109421.D	1	01/31/25 08:15	02/04/25 13:25	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.9	U	4.20	20.9	ug/kg
11104-28-2	Aroclor-1221	20.9	U	7.90	20.9	ug/kg
11141-16-5	Aroclor-1232	20.9	U	4.20	20.9	ug/kg
53469-21-9	Aroclor-1242	20.9	U	4.20	20.9	ug/kg
12672-29-6	Aroclor-1248	20.9	U	9.70	20.9	ug/kg
11097-69-1	Aroclor-1254	20.9	U	3.40	20.9	ug/kg
37324-23-5	Aroclor-1262	20.9	U	5.60	20.9	ug/kg
11100-14-4	Aroclor-1268	20.9	U	4.20	20.9	ug/kg
11096-82-5	Aroclor-1260	20.9	U	3.60	20.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		32 - 144	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.4		32 - 175	72%	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

Sample Results: **PO109421.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 13:25
Operator : YP/AJ
Sample : Q1242-03RE
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
JPP-6.2-013025RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:47:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.698	3.694	141.3E6	97999602	18.650m	18.349m
2)	SA Decachlor...	8.757	8.708	86231356	44744154	13.305	14.358
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 13:25
Operator : YP/AJ
Sample : Q1242-03RE
Misc :
ALS Vial : 50 Sample Multiplier: 1

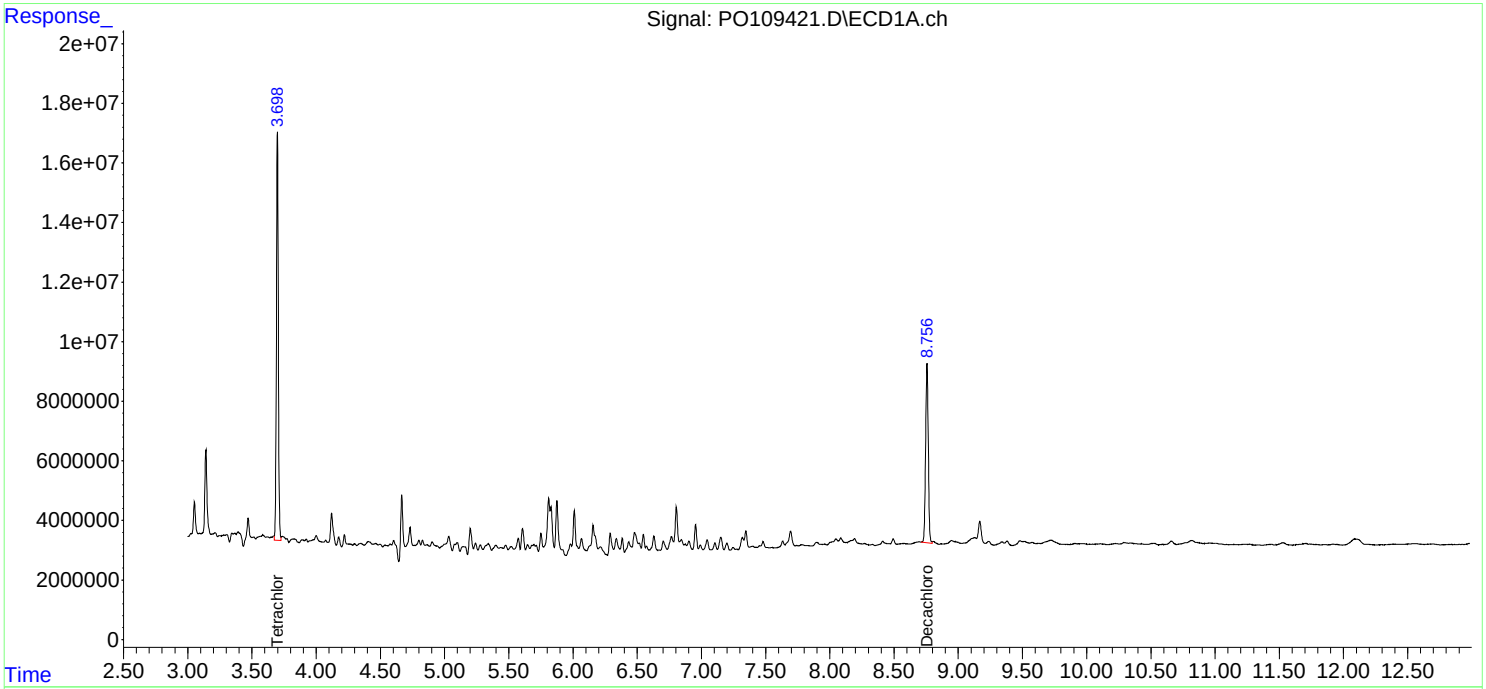
Instrument :
ECD_O
ClientSampleId :
JPP-6.2-013025RE

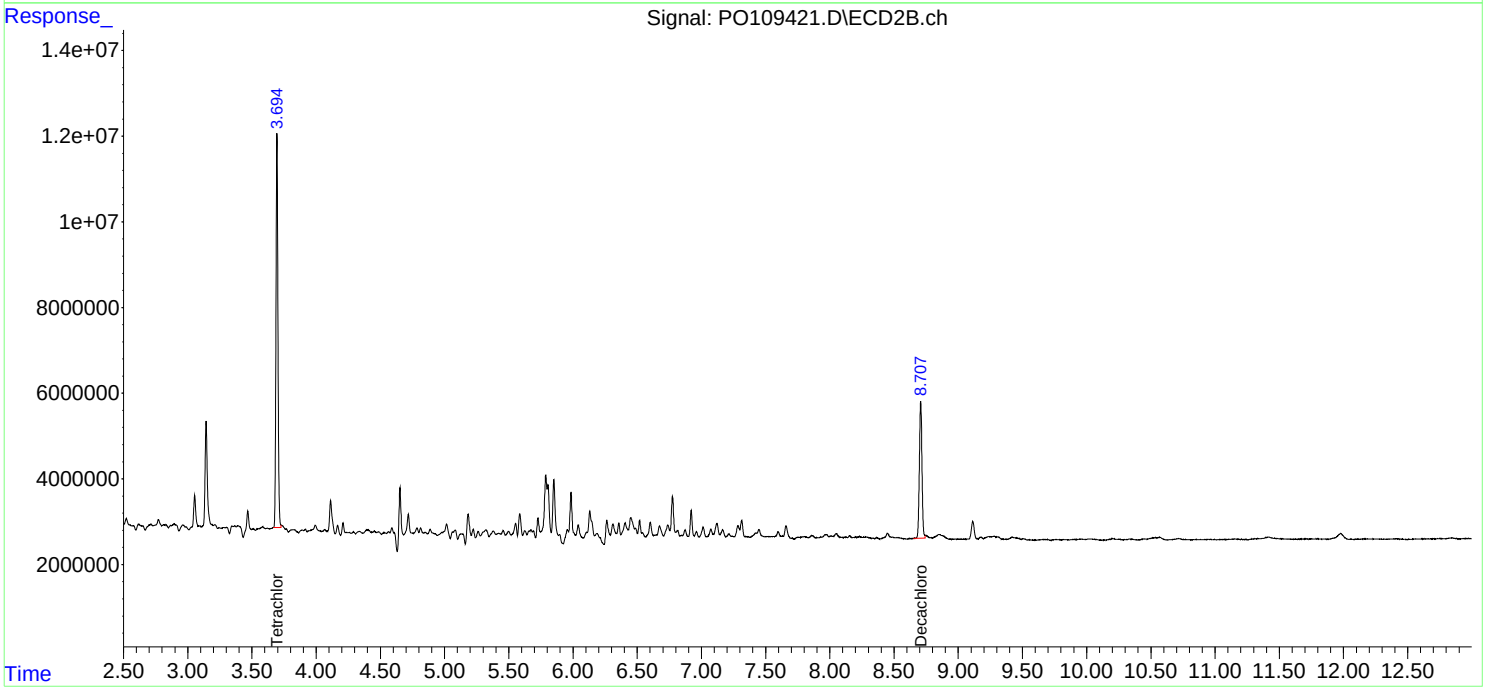
Manual Integrations APPROVED

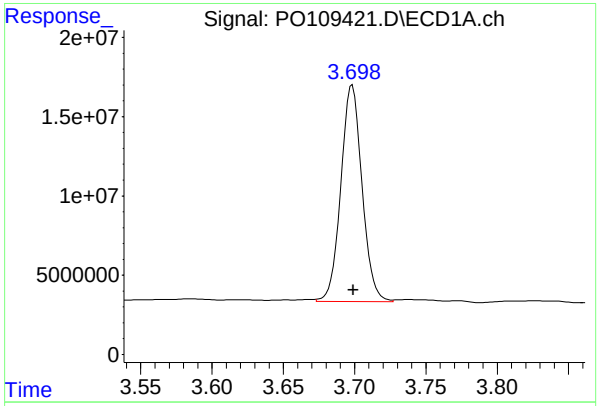
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:47:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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







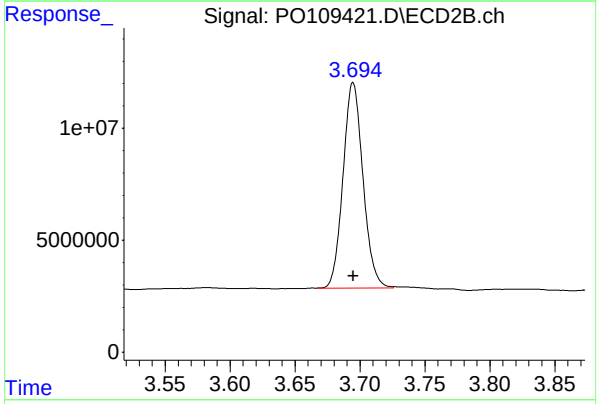
#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: -0.001 mi
Response: 141349029
Conc: 18.65 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-6.2-013025RE

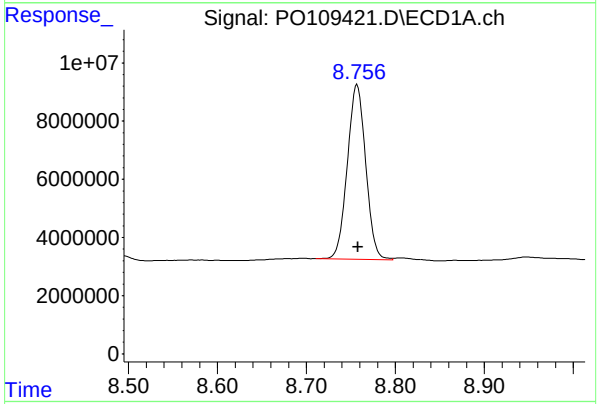
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



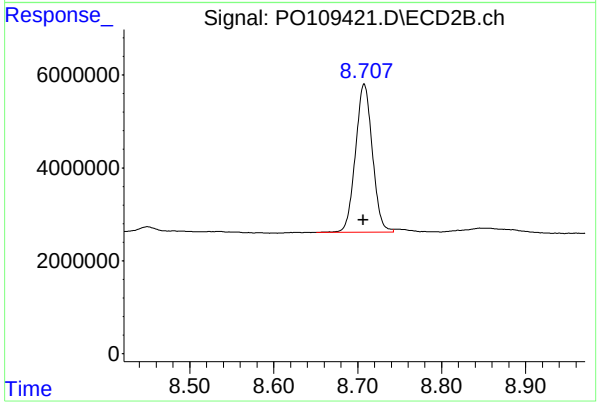
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 97999602
Conc: 18.35 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: -0.001 min
Response: 86231356
Conc: 13.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 44744154
Conc: 14.36 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Calibration Date(s):** 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

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

LAB FILE ID: RT 1000 = PO108982.D RT 750 = PO108983.D

RT 500 = PO108984.D RT 250 = PO108985.D RT 050 = PO108986.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.79	4.79	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-2	(2)	4.81	4.82	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1016-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1260-3	(3)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-4	(4)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Aroclor-1260-5	(5)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.80	4.80	4.80	4.80	4.79	4.80	4.70	4.90
Aroclor-1242-2	(2)	4.82	4.82	4.82	4.82	4.81	4.82	4.72	4.92
Aroclor-1242-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1242-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-5	(5)	5.65	5.65	5.65	5.65	5.64	5.65	5.55	5.75
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.80	4.79	4.79	4.80	4.80	4.80	4.70	4.90
Aroclor-1248-2	(2)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-3	(3)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-4	(4)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1248-5	(5)	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.60	5.61	5.60	5.61	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Aroclor-1254-4	(4)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1254-5	(5)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.63	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-2	(2)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-3	(3)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1268-4	(4)	8.20	8.20	8.20	8.20	8.20	8.20	8.10	8.30
Aroclor-1268-5	(5)	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Calibration Date(s):** 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

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

LAB FILE ID: RT 1000 = PO108982.D RT 750 = PO108983.D

RT 500 = PO108984.D RT 250 = PO108985.D RT 050 = PO108986.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.80	4.78	4.78	4.79	4.69	4.89
Aroclor-1016-2	(2)	4.80	4.80	4.82	4.80	4.80	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.98	4.98	5.00	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-4	(4)	5.02	5.02	5.04	5.02	5.02	5.02	4.92	5.12
Aroclor-1016-5	(5)	5.23	5.23	5.25	5.23	5.23	5.24	5.14	5.34
Aroclor-1260-1	(1)	6.27	6.27	6.29	6.27	6.26	6.27	6.17	6.37
Aroclor-1260-2	(2)	6.45	6.45	6.47	6.45	6.45	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.61	6.61	6.63	6.61	6.61	6.61	6.51	6.71
Aroclor-1260-4	(4)	7.08	7.08	7.10	7.08	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.32	7.32	7.34	7.32	7.32	7.32	7.22	7.42
Decachlorobiphenyl		8.71	8.71	8.73	8.71	8.71	8.72	8.62	8.82
Tetrachloro-m-xylene		3.70	3.70	3.72	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1242-4	(4)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1248-4	(4)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.63	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.59	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.14	6.13	6.14	6.13	6.14	6.04	6.24
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.67	7.67	7.67	7.67	7.66	7.67	7.57	7.77
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.88	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.16	8.16	8.16	8.16	8.16	8.16	8.06	8.26
Aroclor-1268-5	(5)	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

Raw Data

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O

Calibration Date(s): 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

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

LAB FILE ID: **CF 1000 =** PO108982.D **CF 750 =** PO108983.D

CF 500 = PO108984.D **CF 250 =** PO108985.D **CF 050 =** PO108986.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	233065045	244410019	248250902	263810212	271896440	252286524	6
Aroclor-1016-2	(2)	325363679	338972765	344308556	357996712	357782160	344884774	4
Aroclor-1016-3	(3)	223049536	234801713	240773660	257313424	264644780	244116623	7
Aroclor-1016-4	(4)	175974311	184579665	189100190	198987084	205504880	190829226	6
Aroclor-1016-5	(5)	190134930	199311205	207066494	222947156	224348000	208761557	7
Aroclor-1260-1	(1)	348800771	364882765	375462458	399932624	416699380	381155600	7
Aroclor-1260-2	(2)	430525248	448276513	461774946	488220872	519105560	469580628	7
Aroclor-1260-3	(3)	359859412	378331397	386511394	408169100	424938760	391562013	7
Aroclor-1260-4	(4)	332481764	347292652	354683668	372951676	382377400	357957432	6
Aroclor-1260-5	(5)	803151986	830038244	833771178	853559688	852457760	834595771	2
Decachlorobiphenyl		6434348190	6661231787	6830111140	7188416880	7524624800	6927746559	6
Tetrachloro-m-xylene		7601276640	7501278947	7481675880	7644109480	7553803600	7556428909	1
Aroclor-1242-1	(1)	195196952	201389908	214304986	226003920	225308640	212440881	7
Aroclor-1242-2	(2)	268098195	278641713	289244872	304071824	293574460	286726213	5
Aroclor-1242-3	(3)	186201466	194711956	206440658	220830688	215362160	204709386	7
Aroclor-1242-4	(4)	146339247	152438169	160415562	170237596	164916200	158869355	6
Aroclor-1242-5	(5)	154300112	158580243	167963632	178401740	175909460	167031037	6
Decachlorobiphenyl		6093757170	6273163067	6555969800	6873050240	6988220200	6556832095	6
Tetrachloro-m-xylene		7302831450	7496516067	7696349800	7451780120	6586958200	7306887127	6
Aroclor-1248-1	(1)	145246997	150453889	157781164	170519664	173855120	159571367	8
Aroclor-1248-2	(2)	197265768	209686637	218963792	239048120	252482700	223489403	10
Aroclor-1248-3	(3)	248188978	257855635	270690240	293270108	299294900	273859972	8
Aroclor-1248-4	(4)	351583188	362624208	379215116	402583304	426725120	384546187	8
Aroclor-1248-5	(5)	245666962	251879323	262640736	279614828	288543680	265669106	7
Decachlorobiphenyl		6072639940	6272001520	6560139460	6944778840	7129210800	6595754112	7
Tetrachloro-m-xylene		7184593920	7370395840	7484351680	7653720840	7312573400	7401127136	2
Aroclor-1254-1	(1)	374847163	389452248	410697836	433454068	459205320	413531327	8
Aroclor-1254-2	(2)	325342531	339278107	358066768	381289080	405152620	361825821	9
Aroclor-1254-3	(3)	522141746	540493293	562618572	587400960	607950820	564121078	6
Aroclor-1254-4	(4)	328382284	332039301	348673262	361037032	352970440	344620464	4
Aroclor-1254-5	(5)	475331089	489980032	515035558	537655848	547482260	513096957	6
Decachlorobiphenyl		6154630290	6360969147	6655043100	6960677720	7204237800	6667111611	6
Tetrachloro-m-xylene		7266635340	7453080907	7677404800	7686251640	7337350200	7484144577	3
Aroclor-1268-1	(1)	1033690630	1036942464	1067670602	1080273708	1104982020	1064711885	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	952087675	951155156	979561020	979388044	983362060	969110791	2
Aroclor-1268-3	(3)	786406202	784932265	807859298	814292396	834332900	805564612	3
Aroclor-1268-4	(4)	327369336	328395845	341390382	351699060	363994160	342569757	5
Aroclor-1268-5	(5)	2419252053	2385425329	2430042174	2398845144	2323360200	2391384980	2
Decachlorobiphenyl		11036128070	11026162653	11389192500	11664983320	12135593800	11450412069	4
Tetrachloro-m-xylene		7546638300	7604080347	7812040940	7844017680	7509481400	7663251733	2

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Calibration Date(s):** 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

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

LAB FILE ID: **CF 1000 =** PO108982.D **CF 750 =** PO108983.D

CF 500 = PO108984.D **CF 250 =** PO108985.D **CF 050 =** PO108986.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	145518803	142573049	166649690	172900172	181948120	161917967	11
Aroclor-1016-2	(2)	223129267	236622256	232122136	250011316	249296120	238236219	5
Aroclor-1016-3	(3)	121270732	126119179	128693642	138175620	137629920	130377819	6
Aroclor-1016-4	(4)	98703058	105288716	109289440	120650588	118660940	110518548	8
Aroclor-1016-5	(5)	130939362	136319948	141694888	155164716	153595760	143542935	7
Aroclor-1260-1	(1)	229857010	239931019	247217984	265407312	277830920	252048849	8
Aroclor-1260-2	(2)	274616892	283537992	291890314	314812824	339164440	300804492	9
Aroclor-1260-3	(3)	255547157	264550967	272530098	288370904	310931080	278386041	8
Aroclor-1260-4	(4)	210034482	216033343	222462830	233977972	245747280	225651181	6
Aroclor-1260-5	(5)	481178354	492665984	499979908	514637484	514938920	500680130	3
Decachlorobiphenyl		3156544800	3289680693	3391332080	3623383520	3732817400	3438751699	7
Tetrachloro-m-xylene		5315746230	5437498093	5428207440	5462079080	5158066000	5360319369	2
Aroclor-1242-1	(1)	130294727	135534199	142873858	151389892	154466220	142911779	7
Aroclor-1242-2	(2)	183791222	188978371	198913930	207089908	207312700	197217226	5
Aroclor-1242-3	(3)	100083291	104057155	110676450	116018292	114379700	109042978	6
Aroclor-1242-4	(4)	101694040	106737525	114342192	123447428	121997980	113643833	8
Aroclor-1242-5	(5)	124175329	128045065	135895568	145256248	150561360	136786714	8
Decachlorobiphenyl		2975923130	3104041173	3249737920	3444762080	3552503800	3265393621	7
Tetrachloro-m-xylene		5146305370	5269389160	5422425040	5452266880	4942424000	5246562090	4
Aroclor-1248-1	(1)	97508588	101198119	106540372	114549420	116802080	107319716	8
Aroclor-1248-2	(2)	135954819	143343636	151605960	164947764	174030220	153976480	10
Aroclor-1248-3	(3)	145968318	152945292	161442194	176334456	190180940	165374240	11
Aroclor-1248-4	(4)	171715835	178859555	187881420	202639424	216432800	191505807	9
Aroclor-1248-5	(5)	167823607	172638881	180053168	192035492	203508660	183211962	8
Decachlorobiphenyl		3009595400	3126029333	3260555920	3479534800	3551272200	3285397531	7
Tetrachloro-m-xylene		5072748910	5224226253	5283938200	5402921120	5021628000	5201092497	3
Aroclor-1254-1	(1)	253547823	264686405	278940988	295164372	313075680	281083054	8
Aroclor-1254-2	(2)	223099297	232757513	247383274	262896088	285176280	250262490	10
Aroclor-1254-3	(3)	362340991	375750797	393412880	409817176	422789620	392822293	6
Aroclor-1254-4	(4)	207964031	212728924	222445680	231289600	227332320	220352111	4
Aroclor-1254-5	(5)	302636627	313319767	329146572	343115096	345356740	326714960	6
Decachlorobiphenyl		3009418030	3125275440	3274408080	3481058080	3592269800	3296485886	7
Tetrachloro-m-xylene		5157782560	5318511973	5462257400	5454366480	5168021000	5312187883	3
Aroclor-1268-1	(1)	605633372	613614913	625929052	644237020	658094440	629501759	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	555793036	560357999	571244564	587032548	581198500	571125329	2
Aroclor-1268-3	(3)	443116844	448542784	458393734	471576124	481232120	460572321	3
Aroclor-1268-4	(4)	171795401	175640587	181667170	188528320	184928840	180512064	4
Aroclor-1268-5	(5)	1182764439	1191499568	1205466938	1214359780	1189190120	1196656169	1
Decachlorobiphenyl		5296716160	5425177360	5590471540	5802552800	5997123200	5622408212	5
Tetrachloro-m-xylene		5377448880	5418716973	5531134800	5564772080	5234786600	5425371867	2

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Date(s) Analyzed:** 01/21/2025 01/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	100101000
		2	4.00	3.90	4.10	74407200
		3	4.08	3.98	4.18	208014000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.08	3.98	4.18	165122000
		2	4.57	4.47	4.67	90981600
		3	4.81	4.71	4.91	160152000
		4	4.99	4.89	5.09	88001400
		5	5.03	4.93	5.13	64818200
Aroclor-1262	500	1	6.85	6.75	6.95	534016000
		2	7.35	7.25	7.45	919466000
		3	7.64	7.54	7.74	364572000
		4	7.70	7.60	7.80	687626000
		5	8.20	8.10	8.30	302118000

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Date(s) Analyzed:** 01/21/2025 01/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	65489800
		2	4.00	3.90	4.10	49387600
		3	4.07	3.97	4.17	145160000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	115508000
		2	4.80	4.70	4.90	108913000
		3	4.98	4.88	5.08	59967000
		4	5.06	4.96	5.16	57262000
		5	5.23	5.13	5.33	60672000
Aroclor-1262	500	1	6.82	6.72	6.92	340358000
		2	7.32	7.22	7.42	554604000
		3	7.60	7.50	7.70	214440000
		4	7.67	7.57	7.77	391888000
		5	8.16	8.06	8.26	159461000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 17:36
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:47:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.696	760.1E6	531.6E6	100.743	98.963
2)	SA Decachlor...	8.760	8.711	643.4E6	315.7E6	91.253	89.948
	Target Compounds						
3)	L1 AR-1016-1	4.794	4.781	233.1E6	145.5E6	906.544	876.526m
4)	L1 AR-1016-2	4.814	4.800	325.4E6	223.1E6	930.235	921.972m
5)	L1 AR-1016-3	4.870	4.976	223.0E6	121.3E6	894.404	914.184m
6)	L1 AR-1016-4	4.991	5.017	176.0E6	98703058	904.552	869.842m
7)	L1 AR-1016-5	5.249	5.231	190.1E6	130.9E6	890.903	892.603m
31)	L7 AR-1260-1	6.290	6.265	348.8E6	229.9E6	896.097	892.313
32)	L7 AR-1260-2	6.479	6.452	430.5E6	274.6E6	898.154	893.495
33)	L7 AR-1260-3	6.848	6.606	359.9E6	255.5E6	900.802	899.511
34)	L7 AR-1260-4	7.109	7.077	332.5E6	210.0E6	912.593	914.962m
35)	L7 AR-1260-5	7.350	7.317	803.2E6	481.2E6	953.345	951.781

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 17:36
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

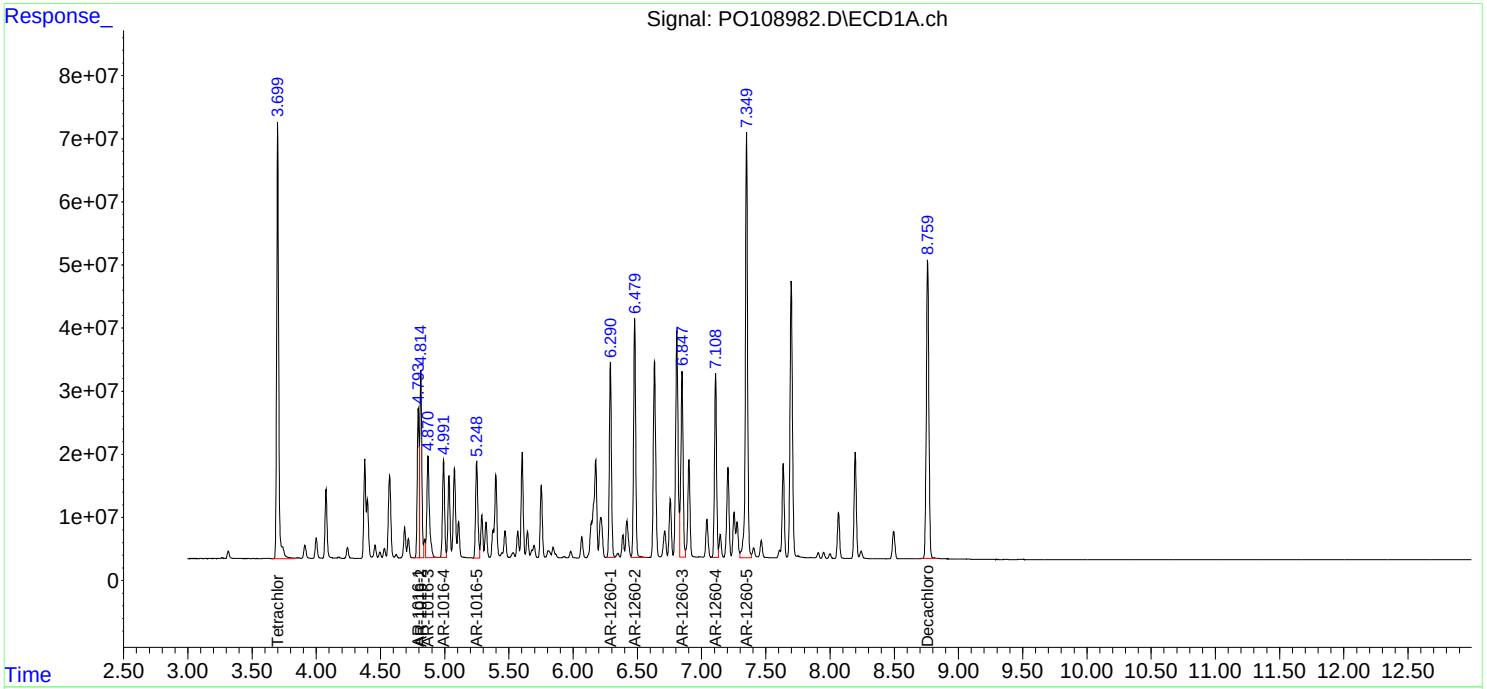
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

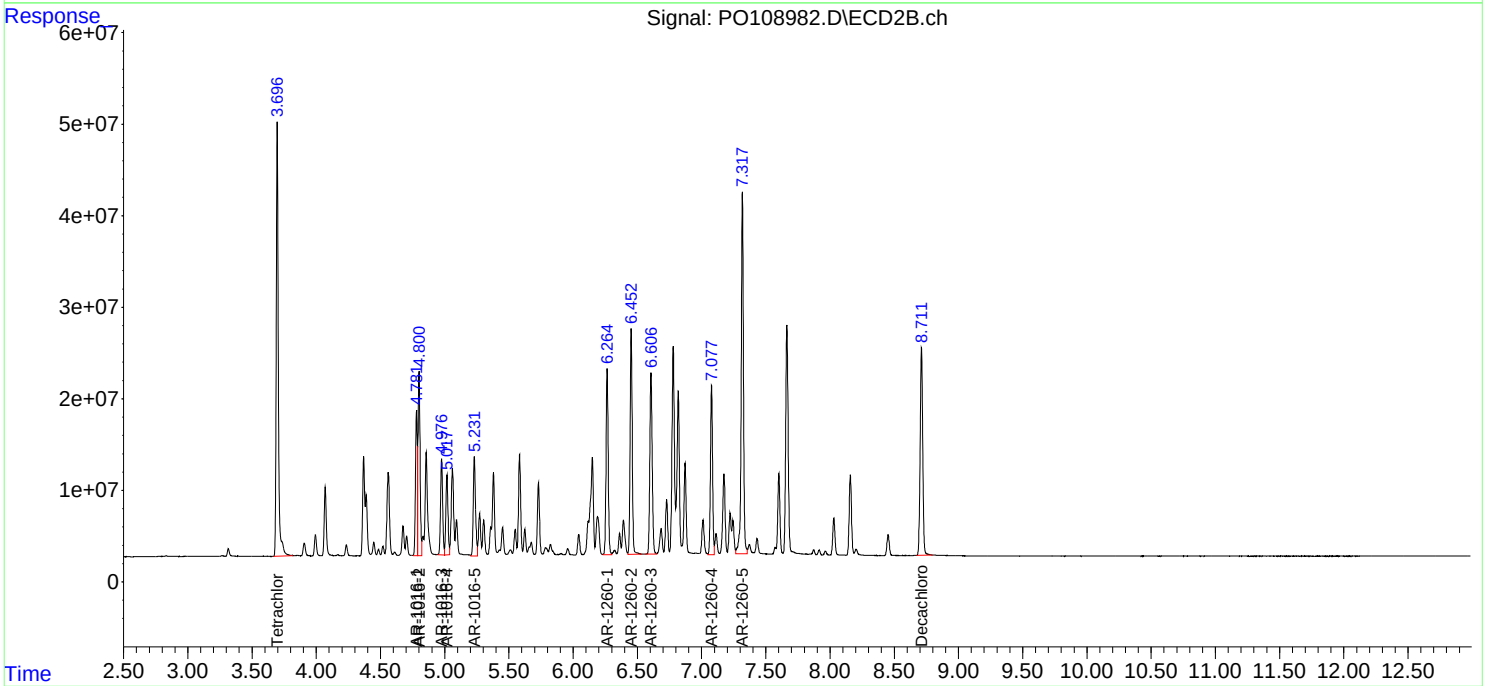
Manual Integrations APPROVED

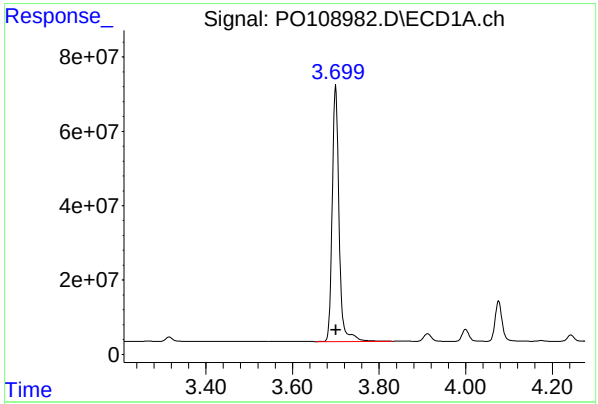
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:47:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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







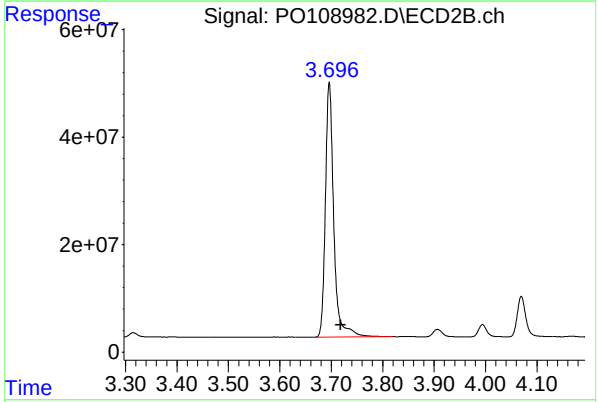
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 760127664
Conc: 100.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

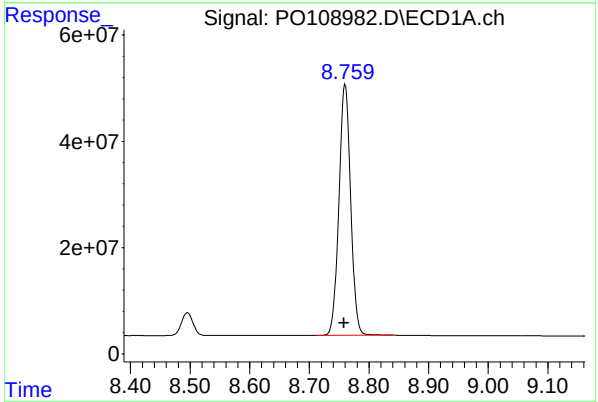
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



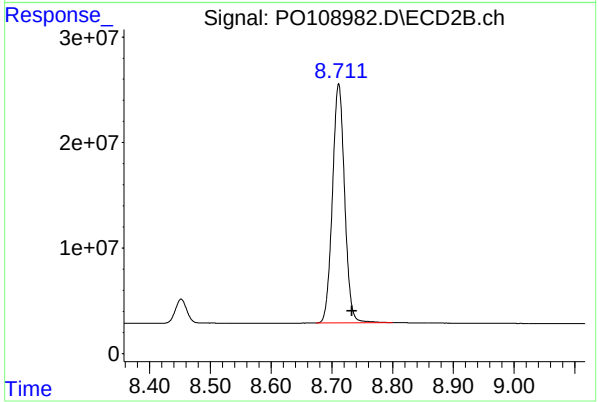
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 531574623
Conc: 98.96 ng/ml



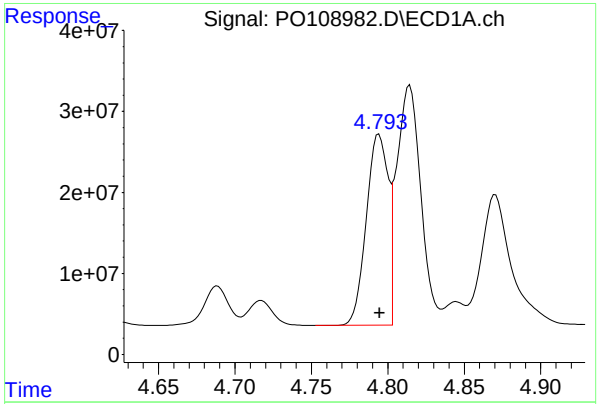
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.002 min
Response: 643434819
Conc: 91.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 315654480
Conc: 89.95 ng/ml



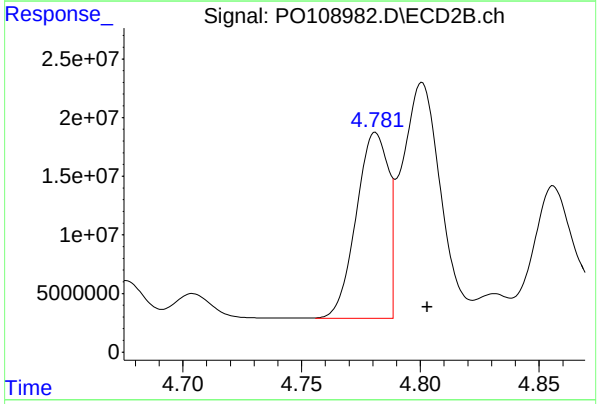
#3 AR-1016-1

R.T.: 4.794 min
Delta R.T.: 0.000 mi
Response: 233065045
Conc: 906.54 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

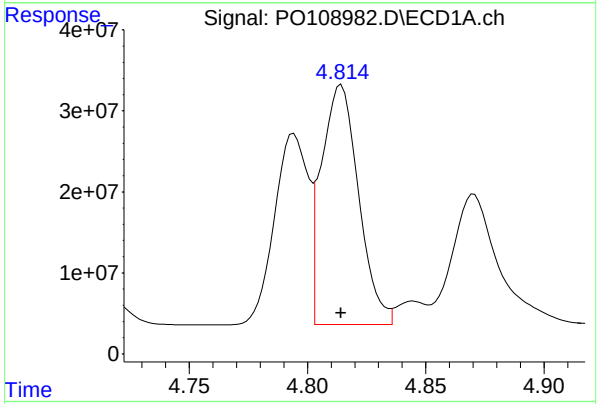
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



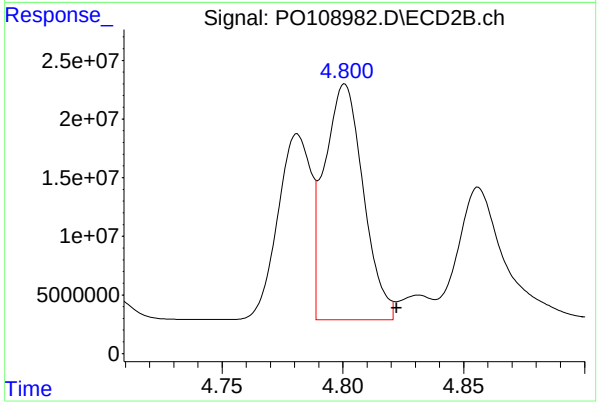
#3 AR-1016-1

R.T.: 4.781 min
Delta R.T.: -0.022 min
Response: 145518803
Conc: 876.53 ng/ml m



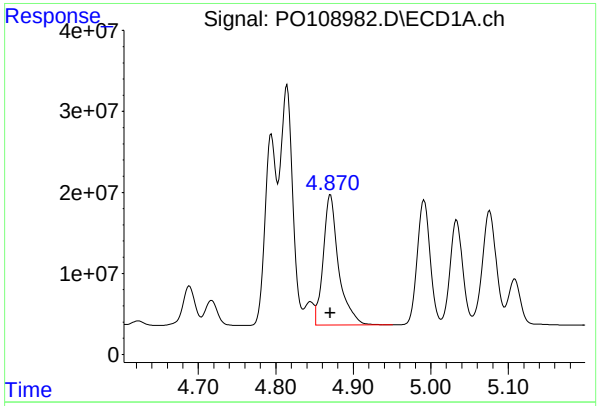
#4 AR-1016-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 325363679
Conc: 930.23 ng/ml



#4 AR-1016-2

R.T.: 4.800 min
Delta R.T.: -0.022 min
Response: 223129267
Conc: 921.97 ng/ml m



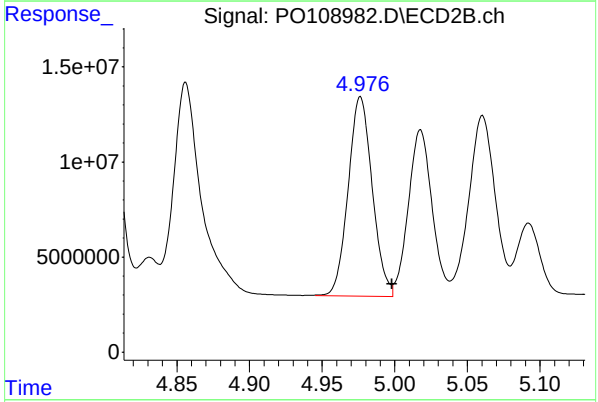
#5 AR-1016-3

R.T.: 4.870 min
Delta R.T.: 0.000 mi
Response: 223049536
Conc: 894.40 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

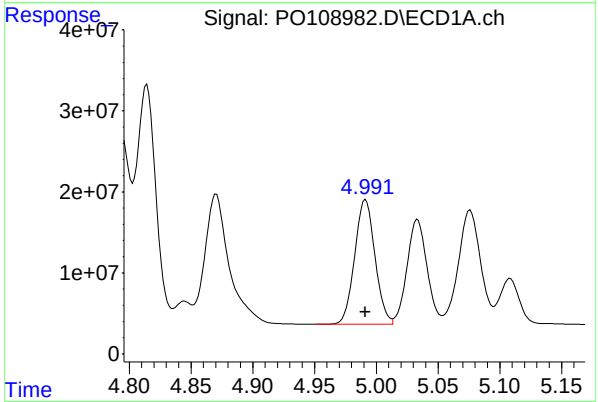
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



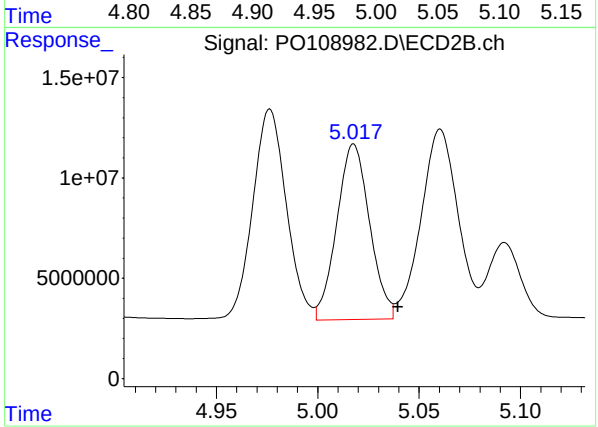
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 121270732
Conc: 914.18 ng/ml m



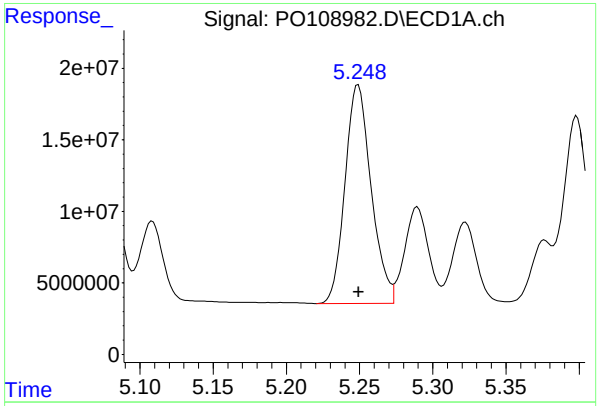
#6 AR-1016-4

R.T.: 4.991 min
Delta R.T.: 0.000 min
Response: 175974311
Conc: 904.55 ng/ml



#6 AR-1016-4

R.T.: 5.017 min
Delta R.T.: -0.022 min
Response: 98703058
Conc: 869.84 ng/ml m



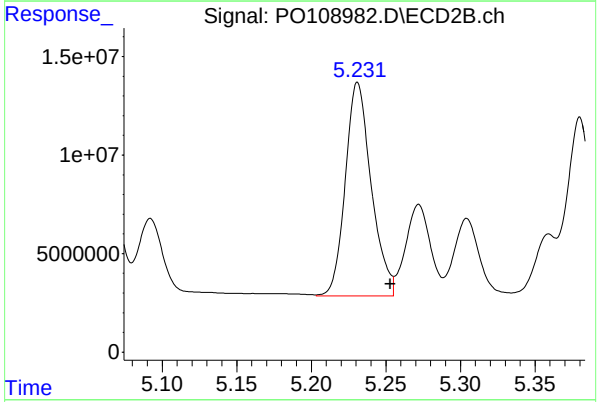
#7 AR-1016-5

R.T.: 5.249 min
Delta R.T.: 0.000 mi
Response: 190134930
Conc: 890.90 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

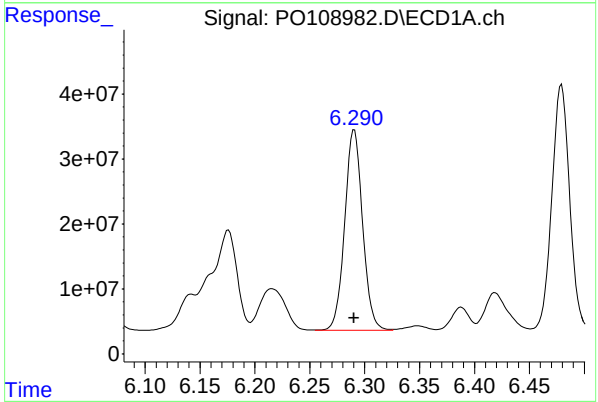
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



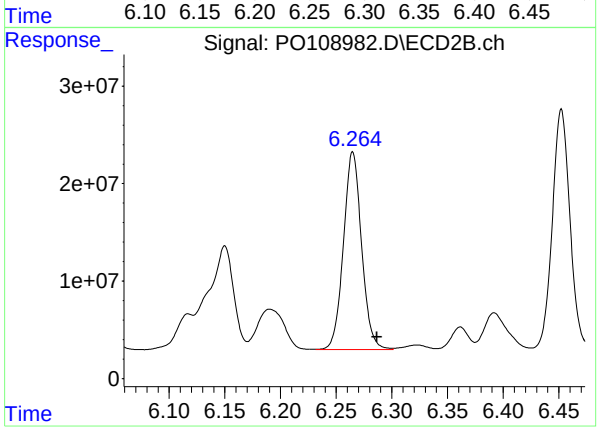
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 130939362
Conc: 892.60 ng/ml m



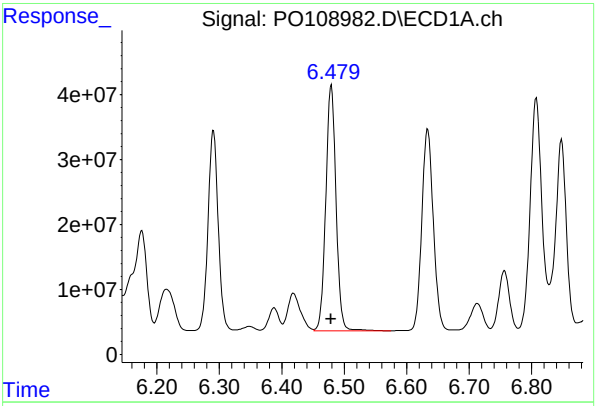
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 348800771
Conc: 896.10 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.021 min
Response: 229857010
Conc: 892.31 ng/ml



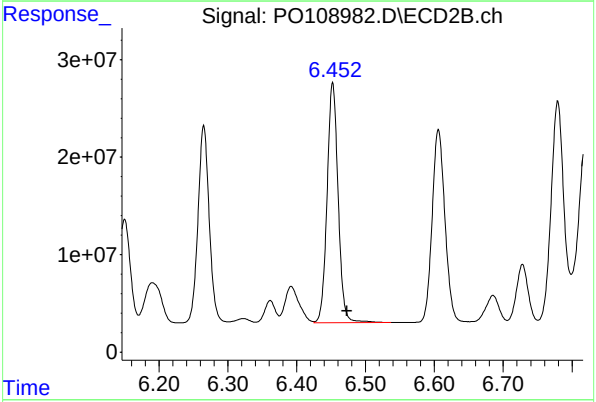
#32 AR-1260-2

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 430525248
Conc: 898.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

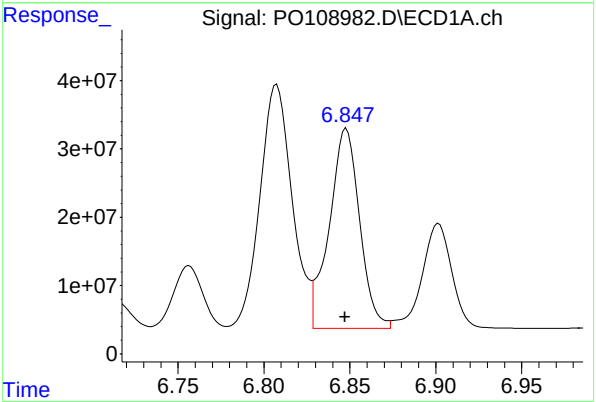
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



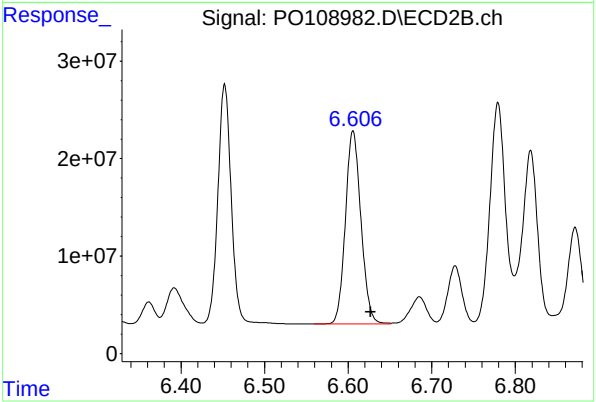
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 274616892
Conc: 893.49 ng/ml



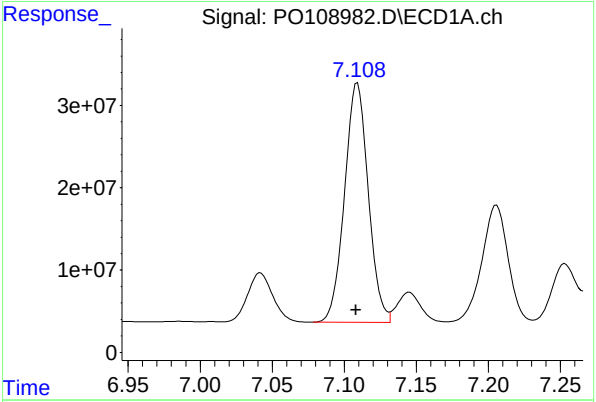
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 359859412
Conc: 900.80 ng/ml



#33 AR-1260-3

R.T.: 6.606 min
Delta R.T.: -0.021 min
Response: 255547157
Conc: 899.51 ng/ml



#34 AR-1260-4

R.T.: 7.109 min
Delta R.T.: 0.001 mi
Response: 332481764
Conc: 912.59 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Manual Integrations
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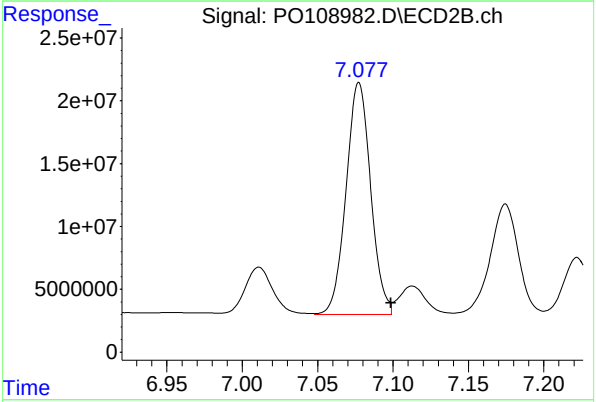
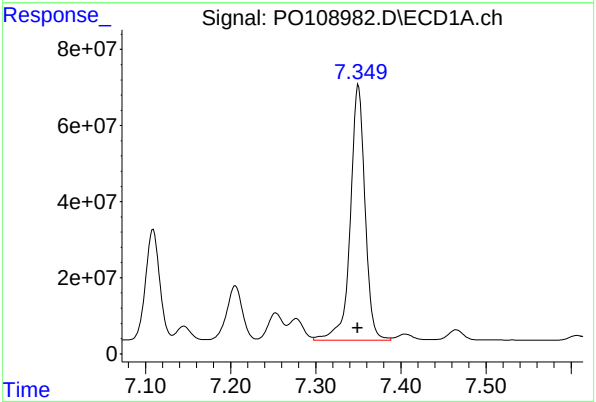
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



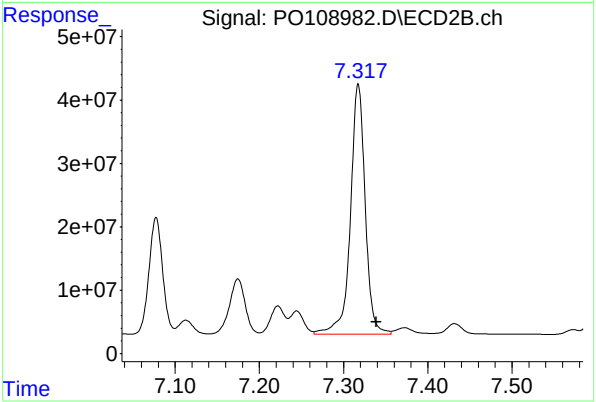
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.022 min
Response: 210034482
Conc: 914.96 ng/ml m



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.001 min
Response: 803151986
Conc: 953.35 ng/ml



#35 AR-1260-5

R.T.: 7.317 min
Delta R.T.: -0.022 min
Response: 481178354
Conc: 951.78 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 17:54
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:33:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.700	3.697	562.6E6	407.8E6	75.197	75.128
2) SA	Decachlor...	8.759	8.711	499.6E6	246.7E6	73.146	72.752
	Target Compounds						
3) L1	AR-1016-1	4.794	4.781	183.3E6	106.9E6	738.396	641.644m
4) L1	AR-1016-2	4.815	4.801	254.2E6	177.5E6	738.377	764.540m
5) L1	AR-1016-3	4.870	4.976	176.1E6	94589384	731.398	734.997m
6) L1	AR-1016-4	4.992	5.019	138.4E6	78966537	732.071	722.545m
7) L1	AR-1016-5	5.250	5.231	149.5E6	102.2E6	721.910	721.550m
31) L7	AR-1260-1	6.291	6.265	273.7E6	179.9E6	728.867	727.893
32) L7	AR-1260-2	6.480	6.452	336.2E6	212.7E6	728.076	728.539
33) L7	AR-1260-3	6.848	6.606	283.7E6	198.4E6	734.127	728.042
34) L7	AR-1260-4	7.108	7.077	260.5E6	162.0E6	734.371	728.324m
35) L7	AR-1260-5	7.349	7.317	622.5E6	369.5E6	746.642	739.029

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 17:54
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

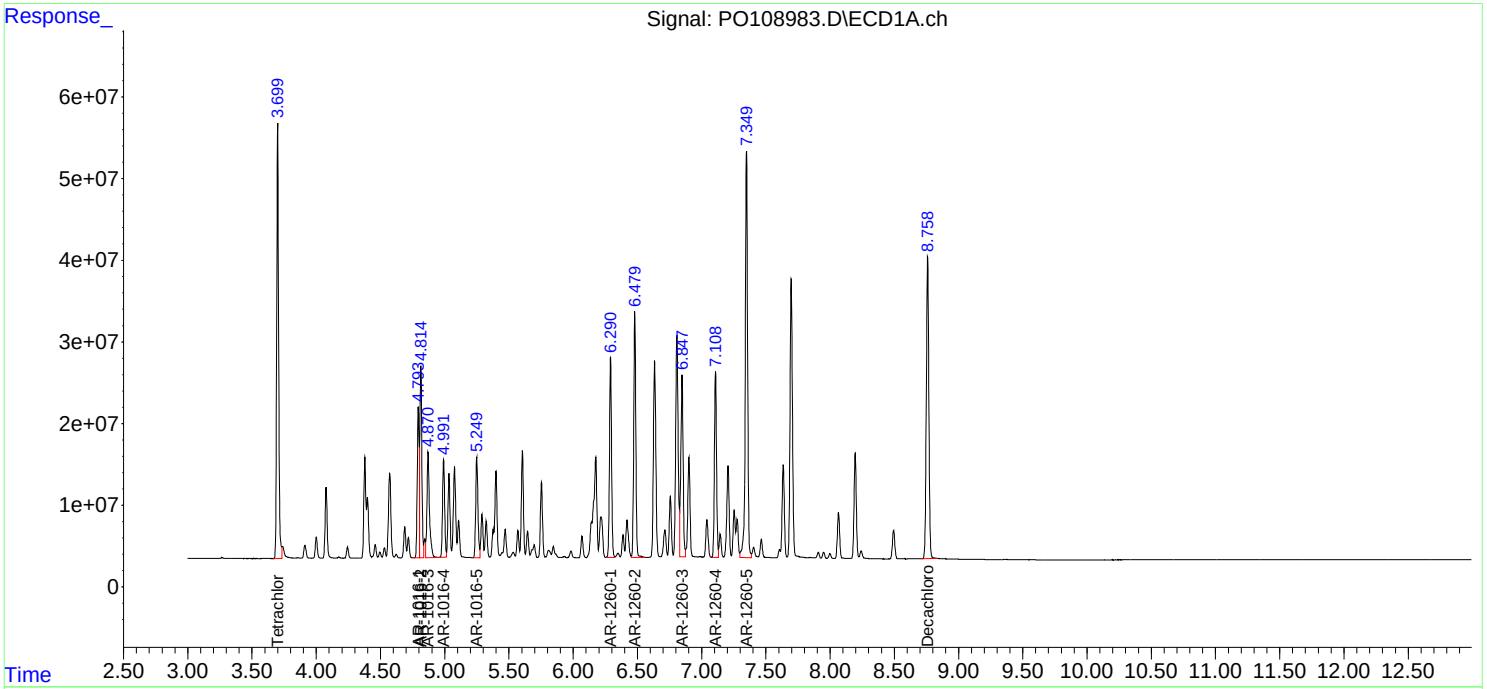
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

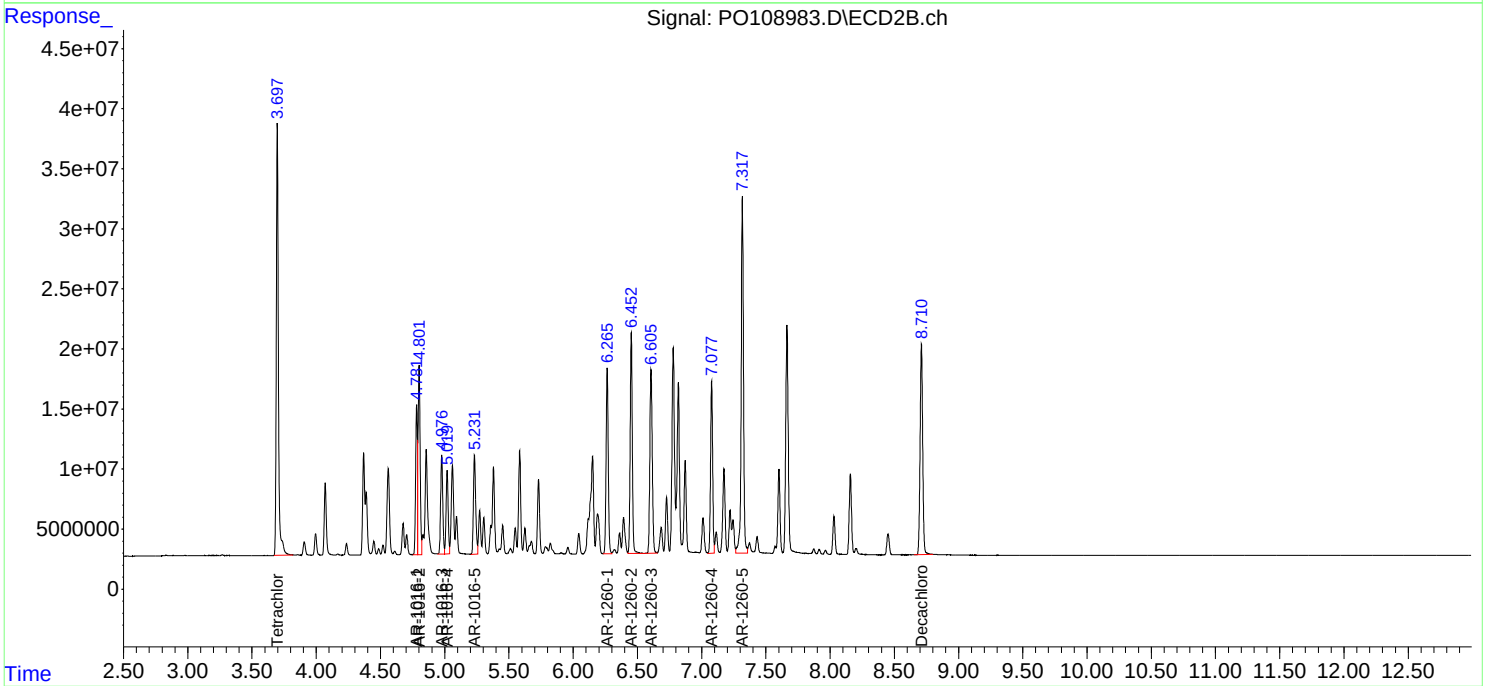
Manual Integrations APPROVED

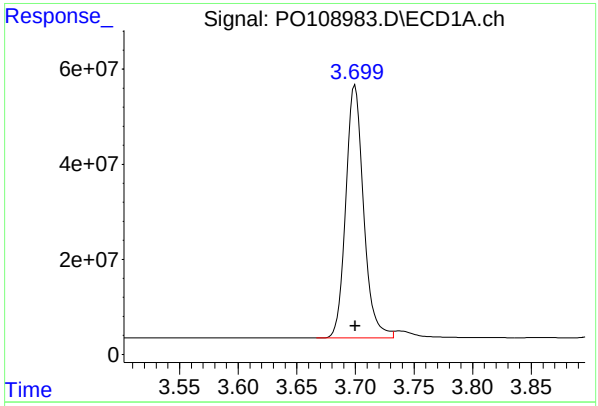
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:33:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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







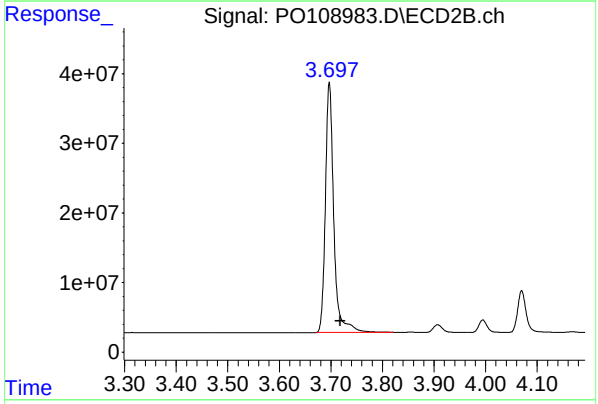
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 562595921
Conc: 75.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

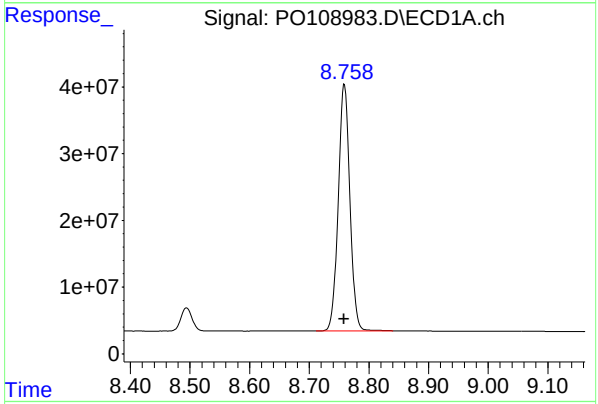
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



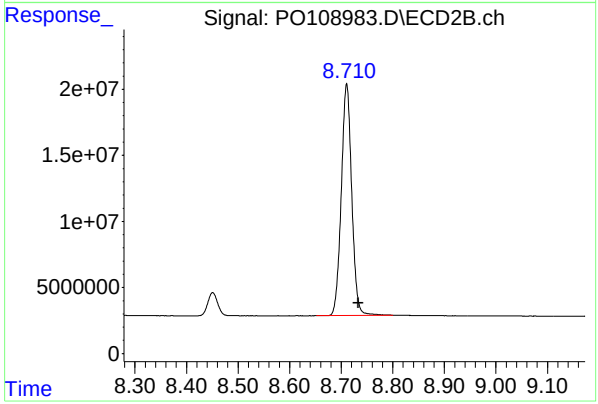
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.021 min
Response: 407812357
Conc: 75.13 ng/ml



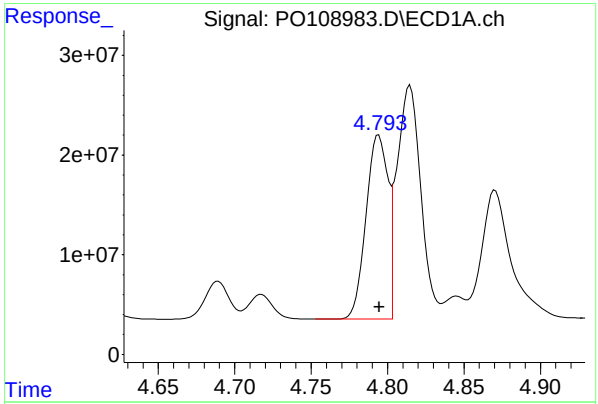
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 499592384
Conc: 73.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 246726052
Conc: 72.75 ng/ml



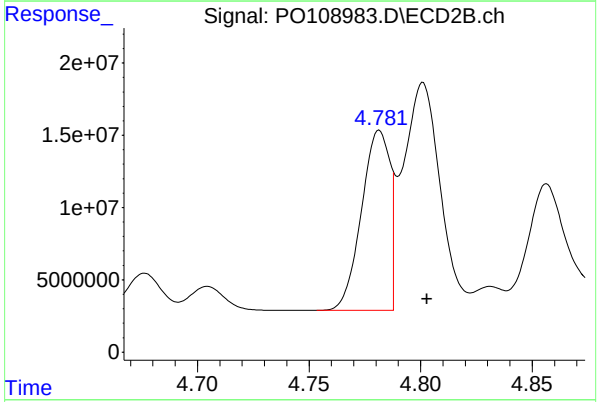
#3 AR-1016-1

R.T.: 4.794 min
Delta R.T.: 0.000 mi
Response: 183307514
Conc: 738.40 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

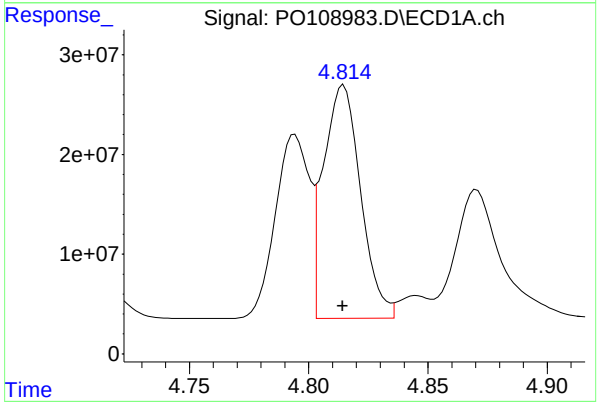
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



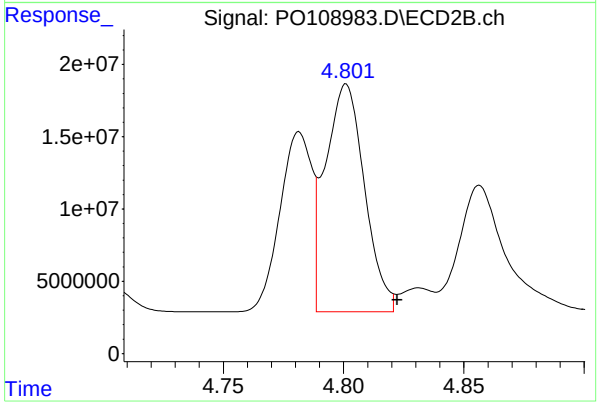
#3 AR-1016-1

R.T.: 4.781 min
Delta R.T.: -0.022 min
Response: 106929787
Conc: 641.64 ng/ml m



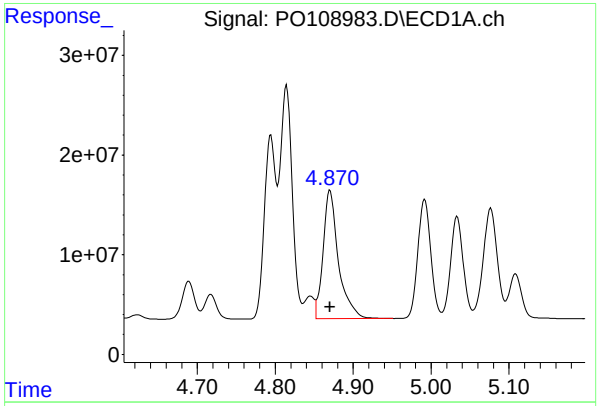
#4 AR-1016-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 254229574
Conc: 738.38 ng/ml



#4 AR-1016-2

R.T.: 4.801 min
Delta R.T.: -0.022 min
Response: 177466692
Conc: 764.54 ng/ml m



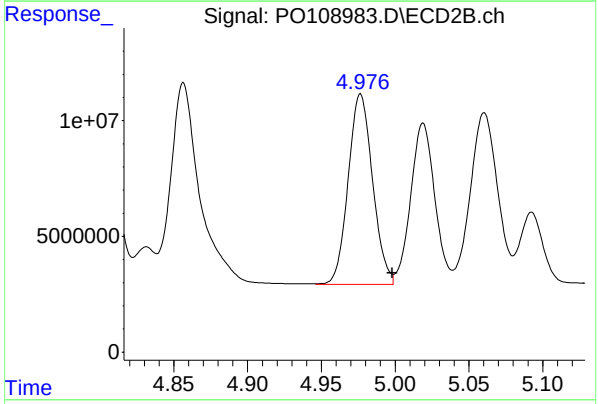
#5 AR-1016-3

R.T.: 4.870 min
Delta R.T.: 0.000 mi
Response: 176101285
Conc: 731.40 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

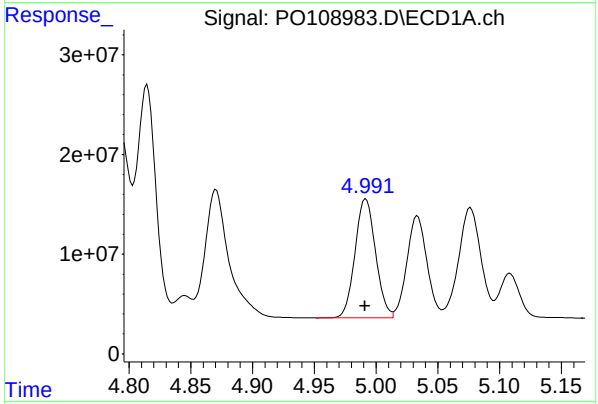
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



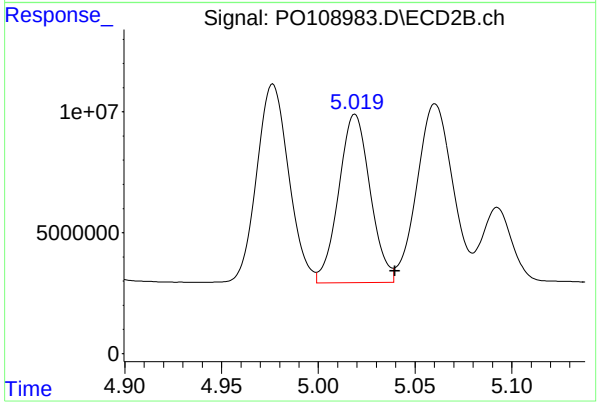
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 94589384
Conc: 735.00 ng/ml m



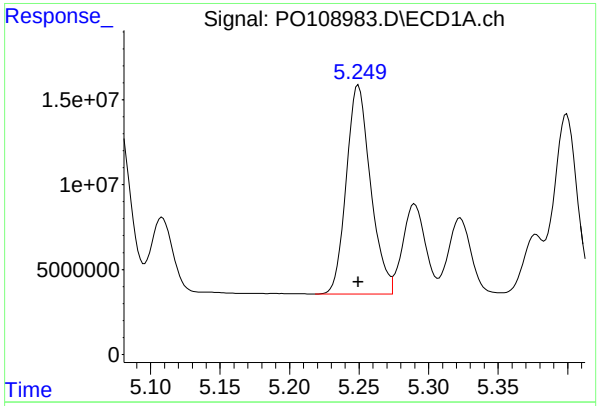
#6 AR-1016-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 138434749
Conc: 732.07 ng/ml



#6 AR-1016-4

R.T.: 5.019 min
Delta R.T.: -0.021 min
Response: 78966537
Conc: 722.54 ng/ml m



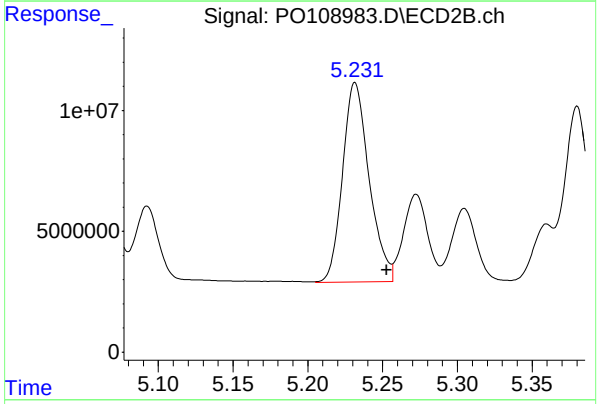
#7 AR-1016-5

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 149483404
Conc: 721.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

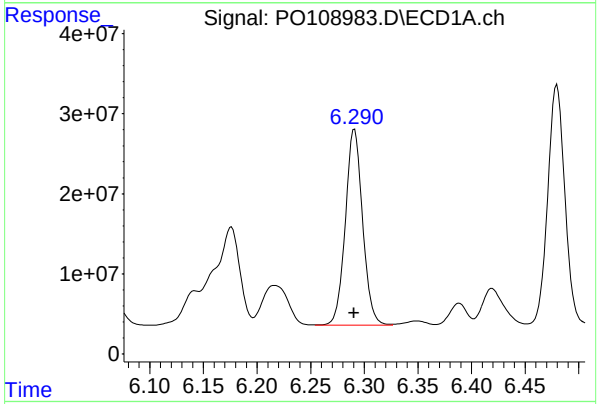
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



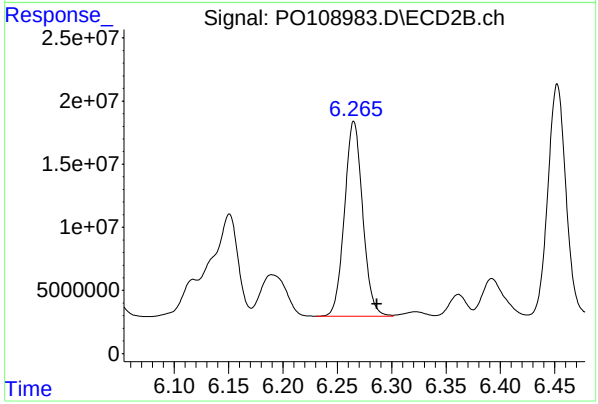
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 102239961
Conc: 721.55 ng/ml m



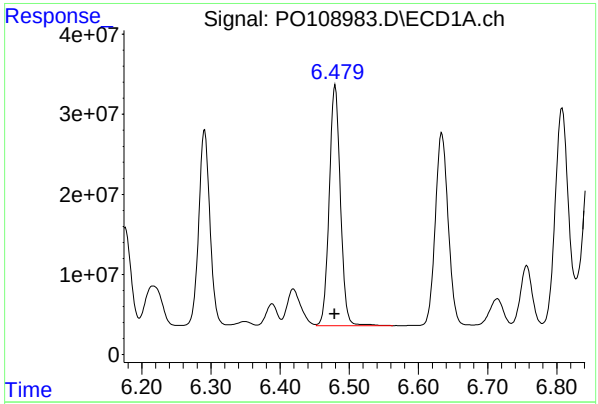
#31 AR-1260-1

R.T.: 6.291 min
Delta R.T.: 0.000 min
Response: 273662074
Conc: 728.87 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.021 min
Response: 179948264
Conc: 727.89 ng/ml



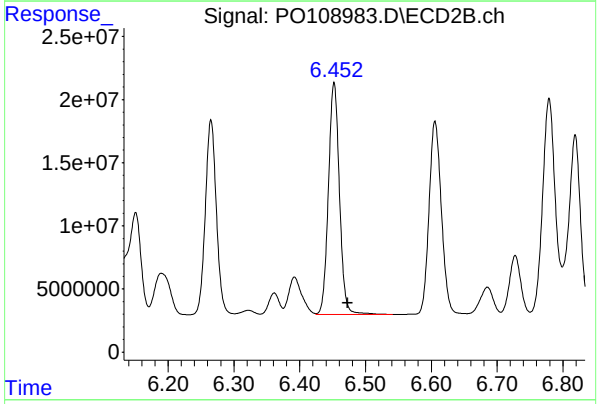
#32 AR-1260-2

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 336207385
Conc: 728.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

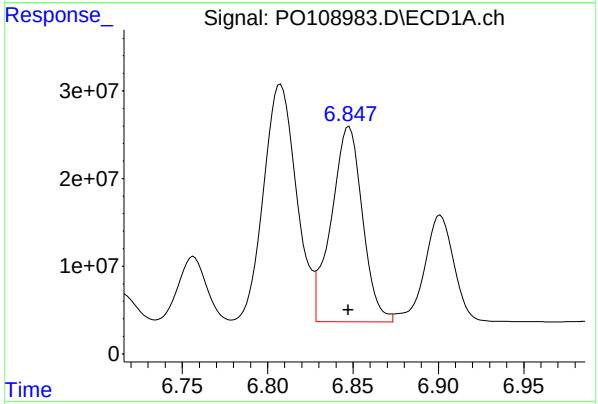
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



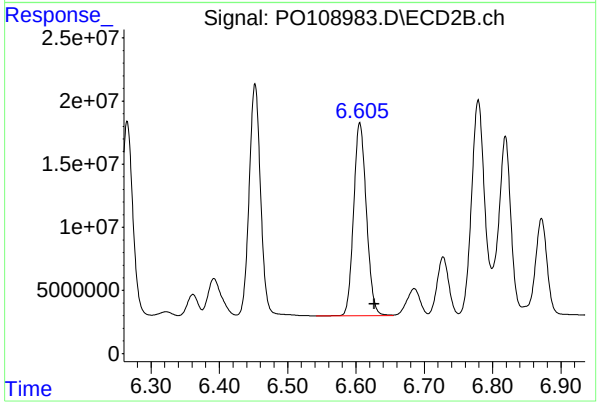
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 212653494
Conc: 728.54 ng/ml



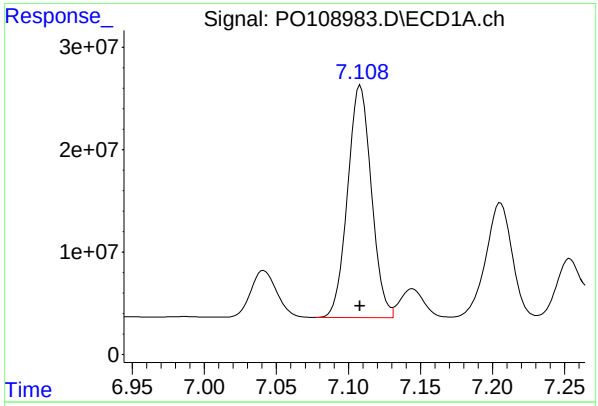
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 283748548
Conc: 734.13 ng/ml



#33 AR-1260-3

R.T.: 6.606 min
Delta R.T.: -0.021 min
Response: 198413225
Conc: 728.04 ng/ml



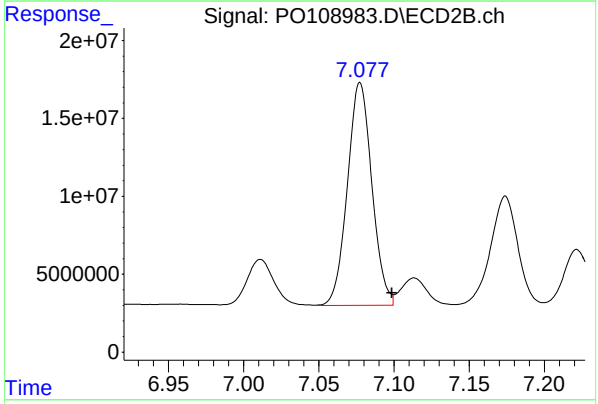
#34 AR-1260-4

R.T.: 7.108 min
Delta R.T.: 0.000 mi
Response: 260469489
Conc: 734.37 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

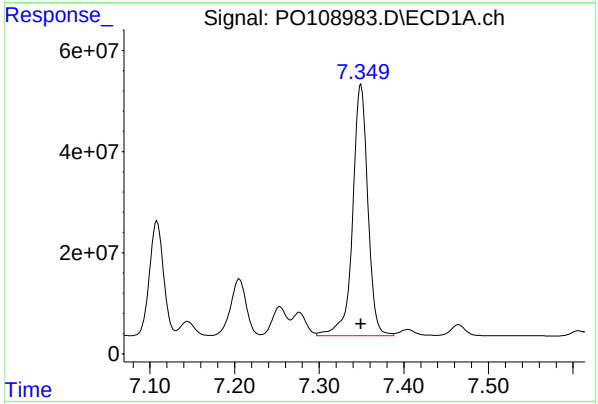
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



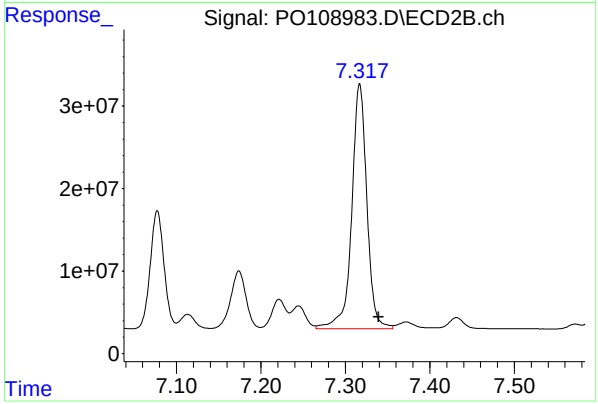
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.022 min
Response: 162025007
Conc: 728.32 ng/ml m



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 622528683
Conc: 746.64 ng/ml



#35 AR-1260-5

R.T.: 7.317 min
Delta R.T.: -0.022 min
Response: 369499488
Conc: 739.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 18:13
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: Jan 21 23:34:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.718	374.1E6	271.4E6	50.000	50.000
2)	SA Decachlor...	8.758	8.733	341.5E6	169.6E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	4.795	4.803	124.1E6	83324845	500.000	500.000
4)	L1 AR-1016-2	4.814	4.822	172.2E6	116.1E6	500.000	500.000
5)	L1 AR-1016-3	4.870	4.998	120.4E6	64346821	500.000	500.000
6)	L1 AR-1016-4	4.991	5.040	94550095	54644720	500.000	500.000
7)	L1 AR-1016-5	5.249	5.253	103.5E6	70847444	500.000	500.000
31)	L7 AR-1260-1	6.290	6.286	187.7E6	123.6E6	500.000	500.000
32)	L7 AR-1260-2	6.479	6.473	230.9E6	145.9E6	500.000	500.000
33)	L7 AR-1260-3	6.847	6.627	193.3E6	136.3E6	500.000	500.000
34)	L7 AR-1260-4	7.108	7.099	177.3E6	111.2E6	500.000	500.000
35)	L7 AR-1260-5	7.349	7.339	416.9E6	250.0E6	500.000	500.000

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

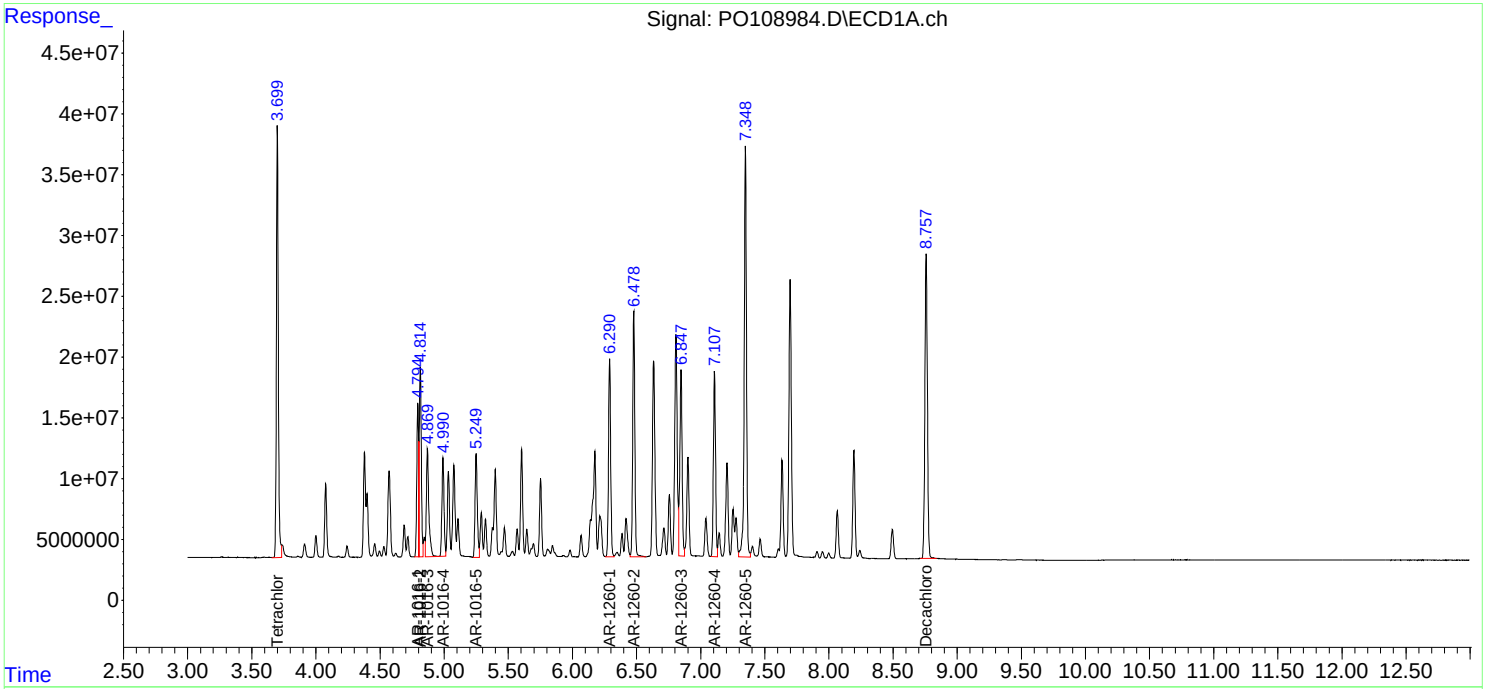
ICAL Form

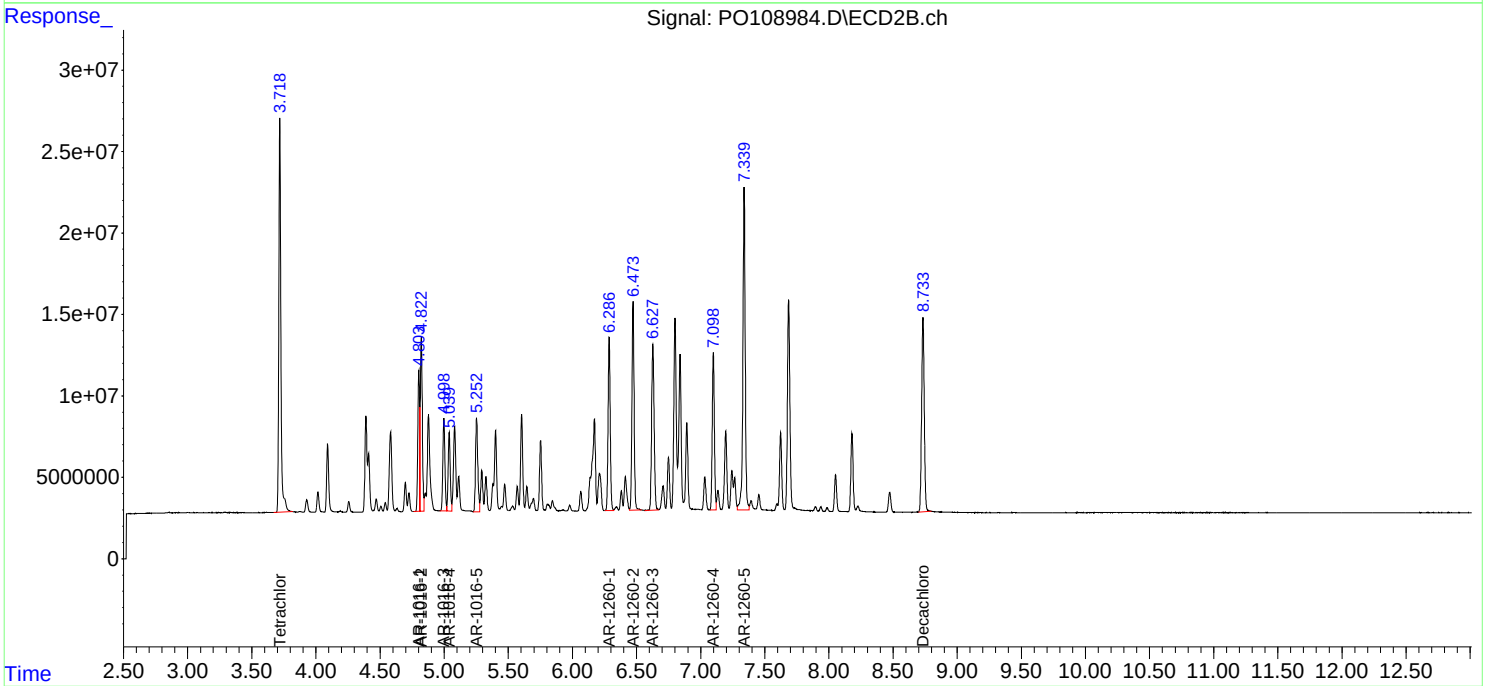
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 18:13
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

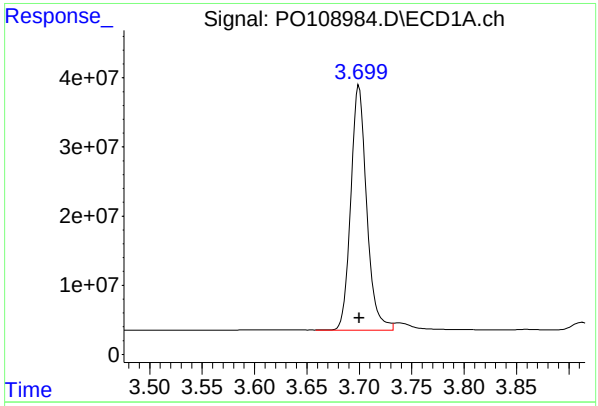
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:34:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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



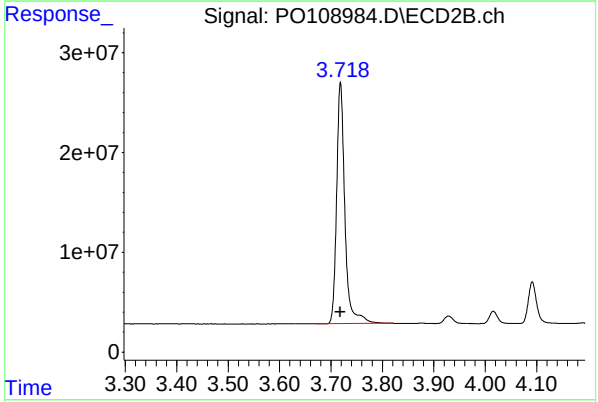




#1 Tetrachloro-m-xylene

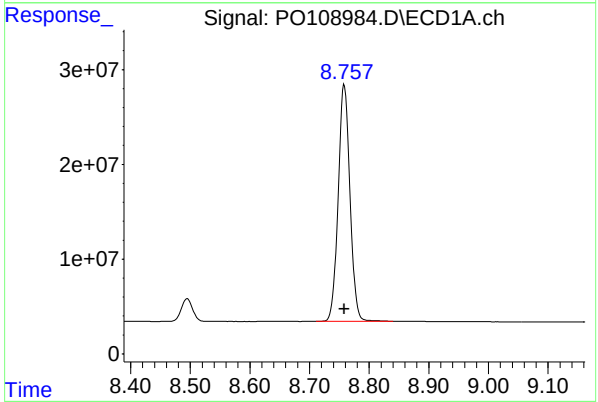
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 374083794
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



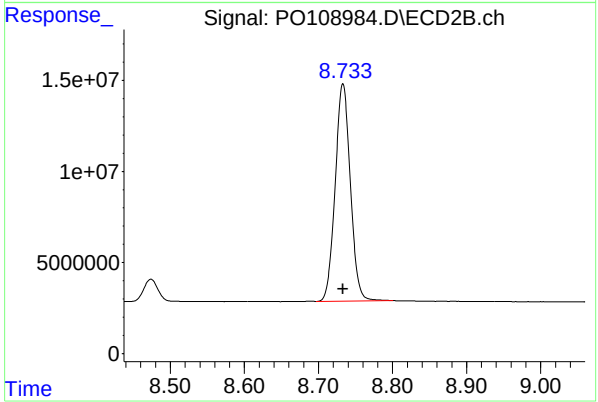
#1 Tetrachloro-m-xylene

R.T.: 3.718 min
Delta R.T.: 0.000 min
Response: 271410372
Conc: 50.00 ng/ml



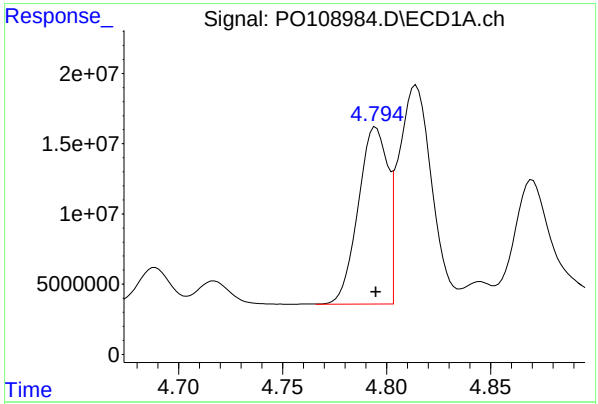
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 341505557
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

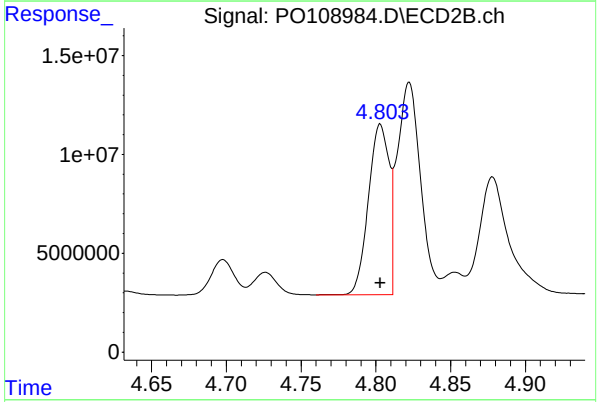
R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 169566604
Conc: 50.00 ng/ml



#3 AR-1016-1

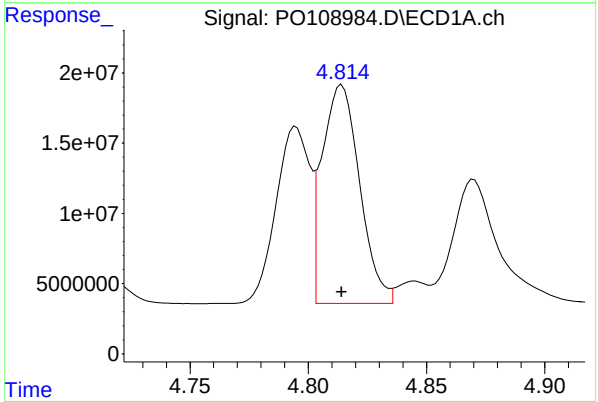
R.T.: 4.795 min
Delta R.T.: 0.000 mi
Response: 124125451
Conc: 500.00 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



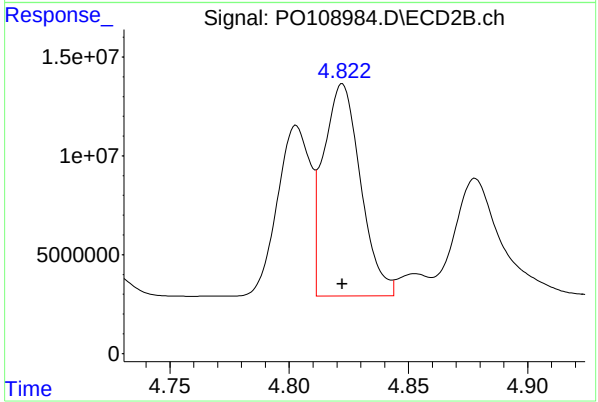
#3 AR-1016-1

R.T.: 4.803 min
Delta R.T.: 0.000 min
Response: 83324845
Conc: 500.00 ng/ml



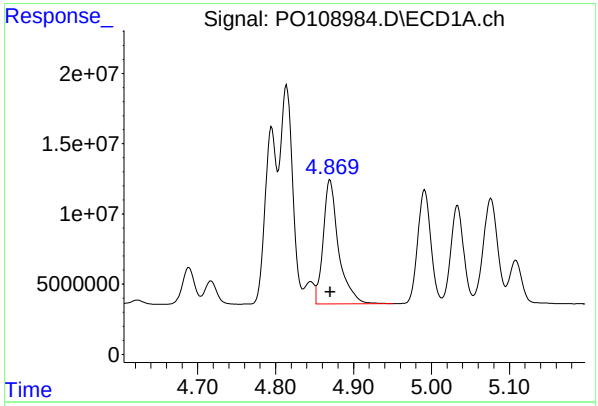
#4 AR-1016-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 172154278
Conc: 500.00 ng/ml



#4 AR-1016-2

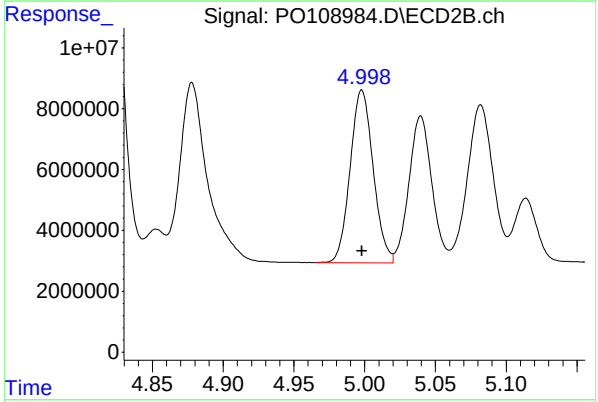
R.T.: 4.822 min
Delta R.T.: 0.000 min
Response: 116061068
Conc: 500.00 ng/ml



#5 AR-1016-3

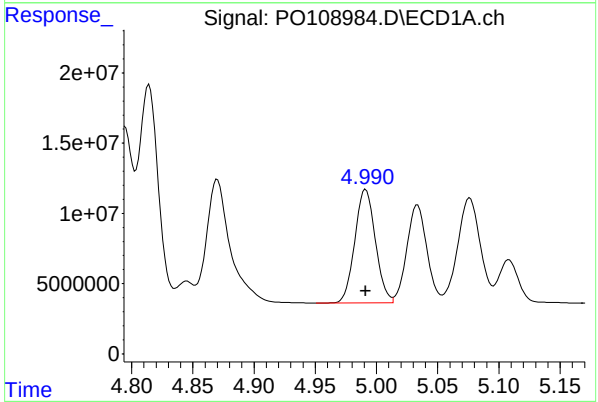
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 120386830
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



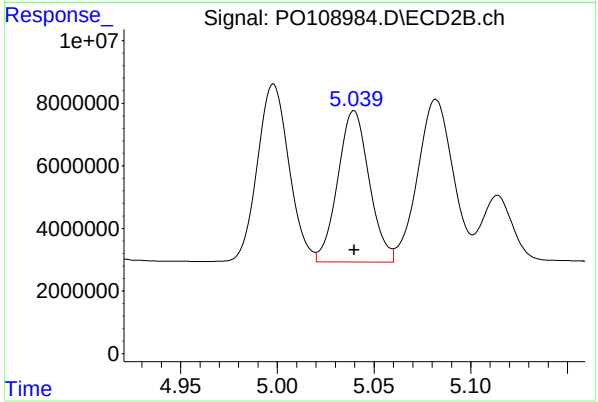
#5 AR-1016-3

R.T.: 4.998 min
Delta R.T.: 0.000 min
Response: 64346821
Conc: 500.00 ng/ml



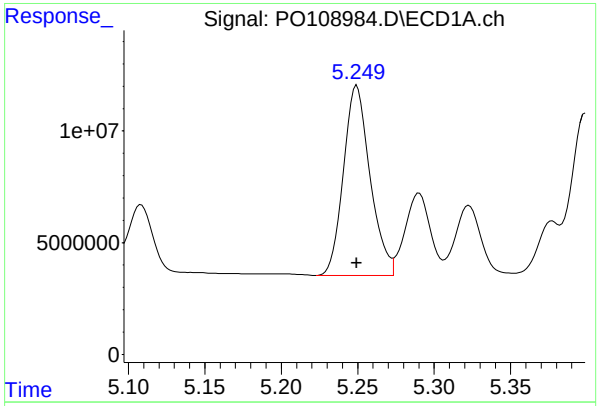
#6 AR-1016-4

R.T.: 4.991 min
Delta R.T.: 0.000 min
Response: 94550095
Conc: 500.00 ng/ml



#6 AR-1016-4

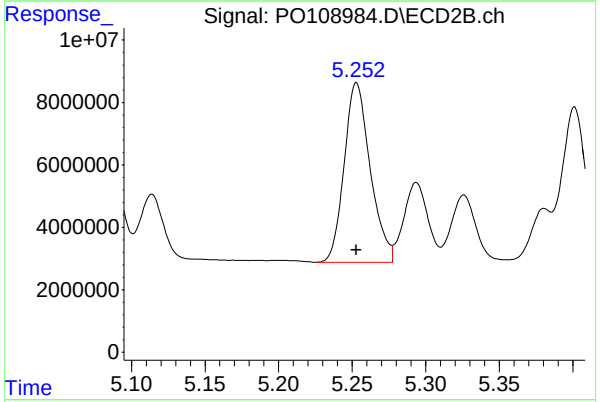
R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 54644720
Conc: 500.00 ng/ml



#7 AR-1016-5

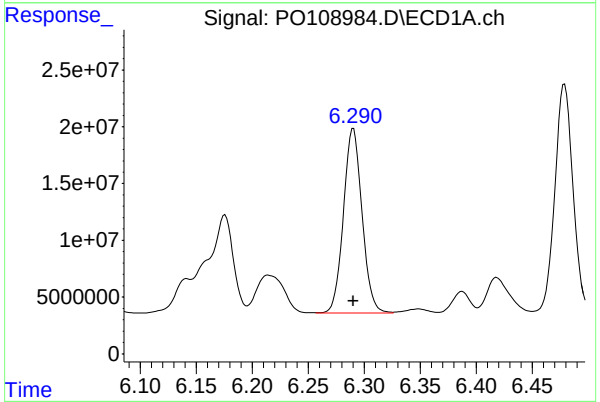
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 103533247
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



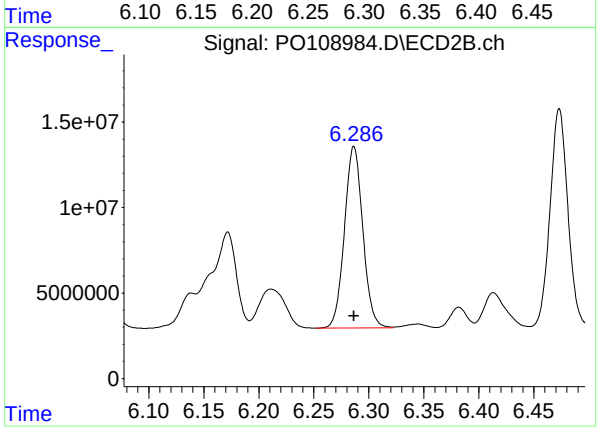
#7 AR-1016-5

R.T.: 5.253 min
Delta R.T.: 0.000 min
Response: 70847444
Conc: 500.00 ng/ml



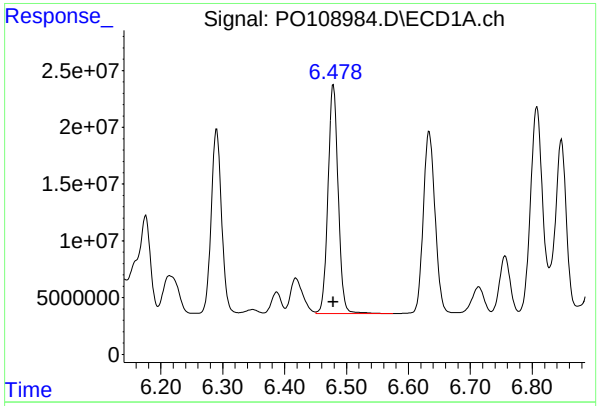
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 187731229
Conc: 500.00 ng/ml



#31 AR-1260-1

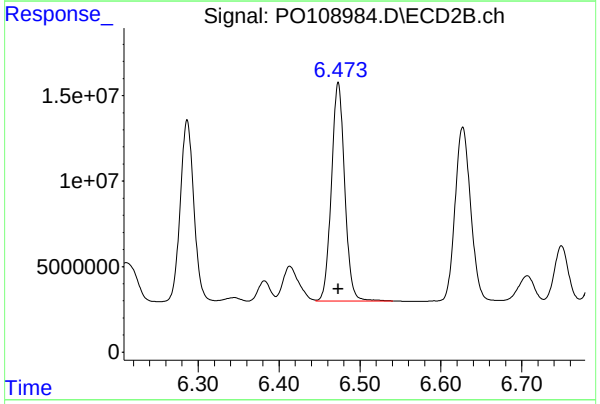
R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 123608992
Conc: 500.00 ng/ml



#32 AR-1260-2

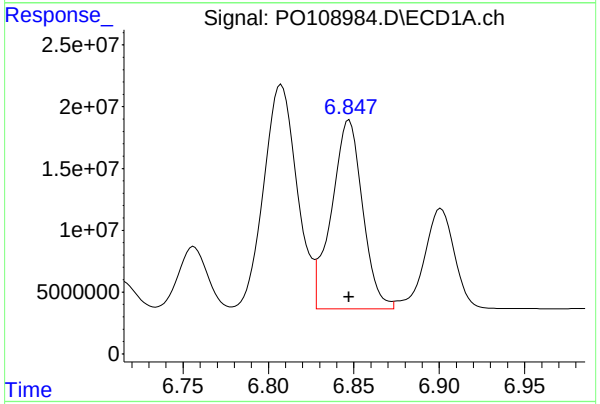
R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 230887473
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



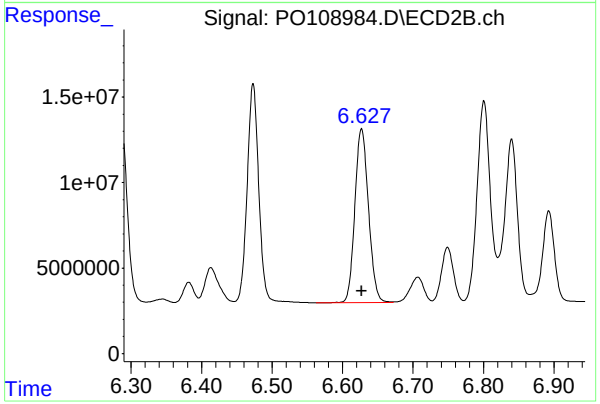
#32 AR-1260-2

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 145945157
Conc: 500.00 ng/ml



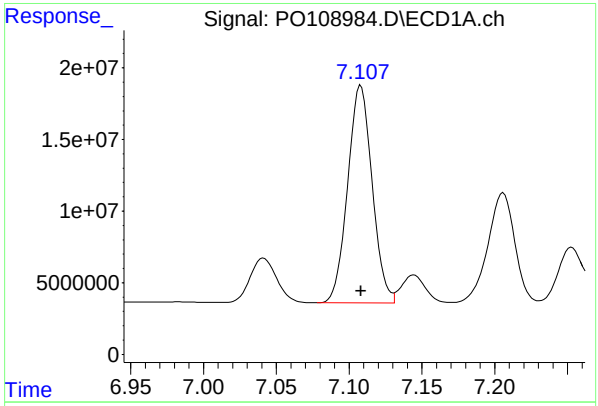
#33 AR-1260-3

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 193255697
Conc: 500.00 ng/ml



#33 AR-1260-3

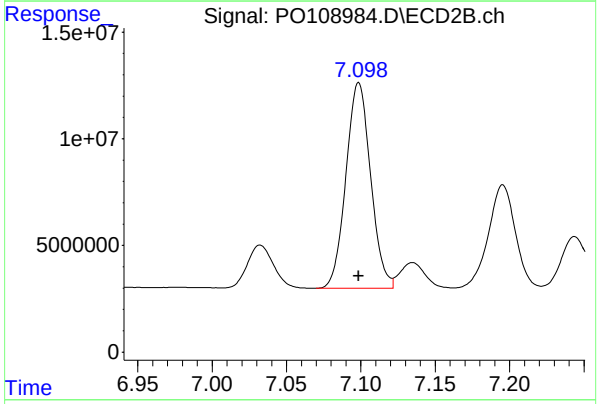
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 136265049
Conc: 500.00 ng/ml



#34 AR-1260-4

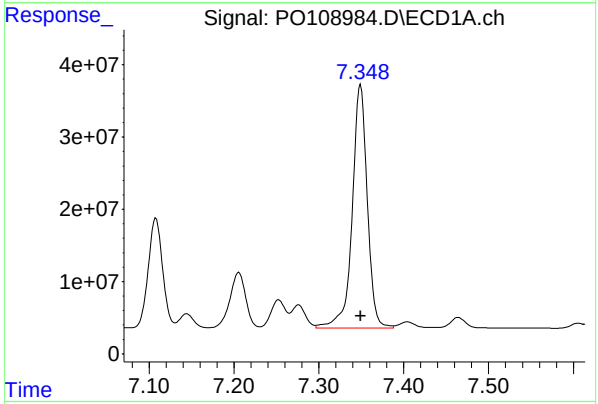
R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 177341834
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



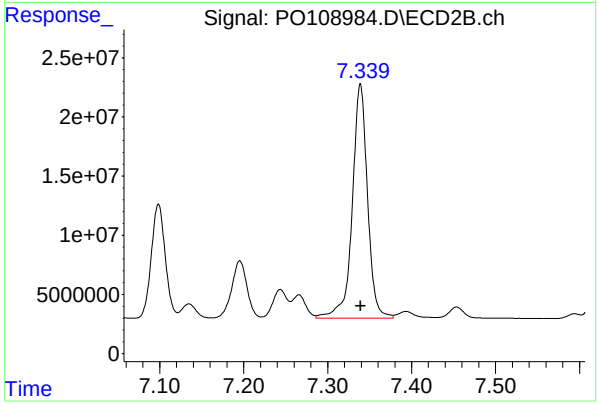
#34 AR-1260-4

R.T.: 7.099 min
Delta R.T.: 0.000 min
Response: 111231415
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 416885589
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 249989954
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 18:31
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	191.1E6	136.6E6	25.543	25.156
2)	SA Decachlor...	8.759	8.710	179.7E6	90584588	26.311	26.711
	Target Compounds						
3)	L1 AR-1016-1	4.795	4.781	65952553	43225043	265.669	259.377m
4)	L1 AR-1016-2	4.814	4.801	89499178	62502829	259.939	269.267m
5)	L1 AR-1016-3	4.870	4.976	64328356	34543905	267.174	268.420m
6)	L1 AR-1016-4	4.992	5.018	49746771	30162647	263.071	275.989m
7)	L1 AR-1016-5	5.250	5.231	55736789	38791179	269.173	273.766m
31)	L7 AR-1260-1	6.291	6.265	99983156	66351828	266.293	268.394
32)	L7 AR-1260-2	6.479	6.452	122.1E6	78703206	264.318	269.633
33)	L7 AR-1260-3	6.848	6.606	102.0E6	72092726	264.008	264.531
34)	L7 AR-1260-4	7.109	7.077	93237919	58494493	262.876	262.941m
35)	L7 AR-1260-5	7.349	7.318	213.4E6	128.7E6	255.933	257.329

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 18:31
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

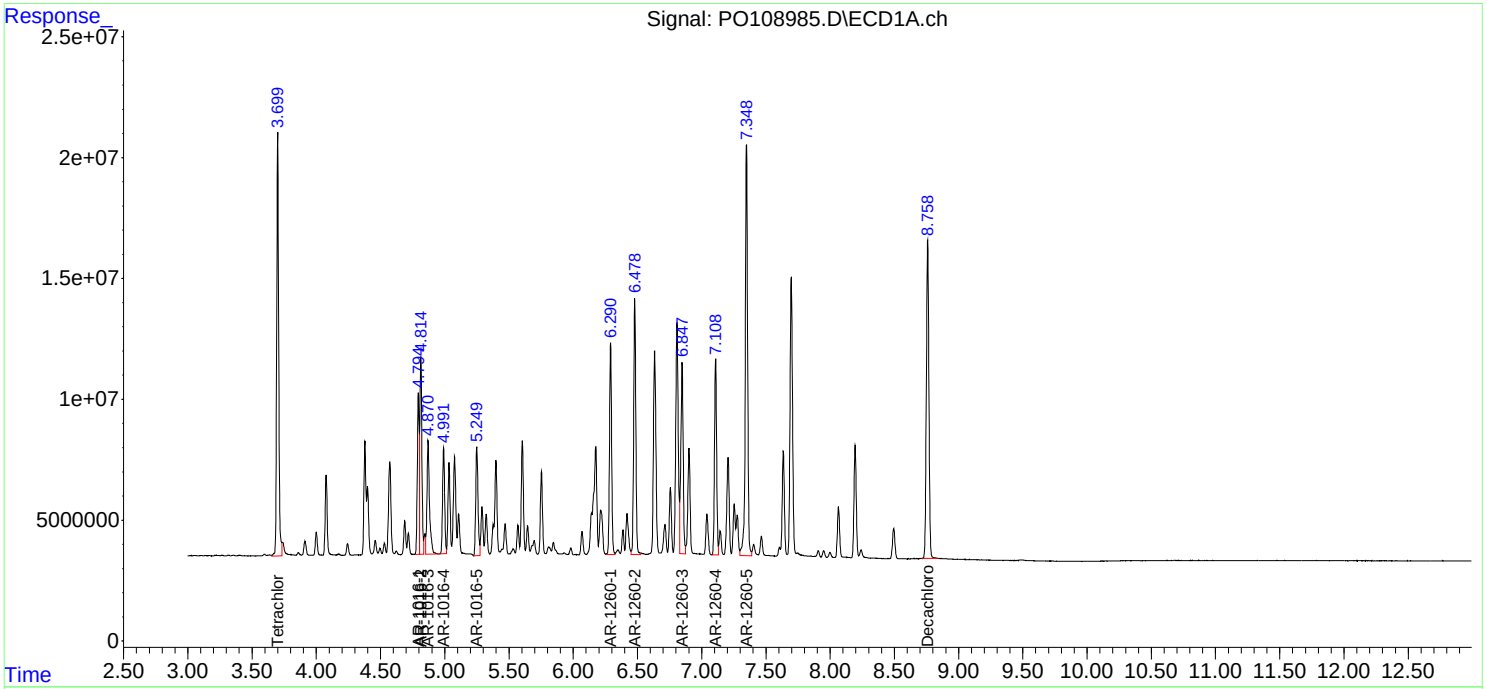
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

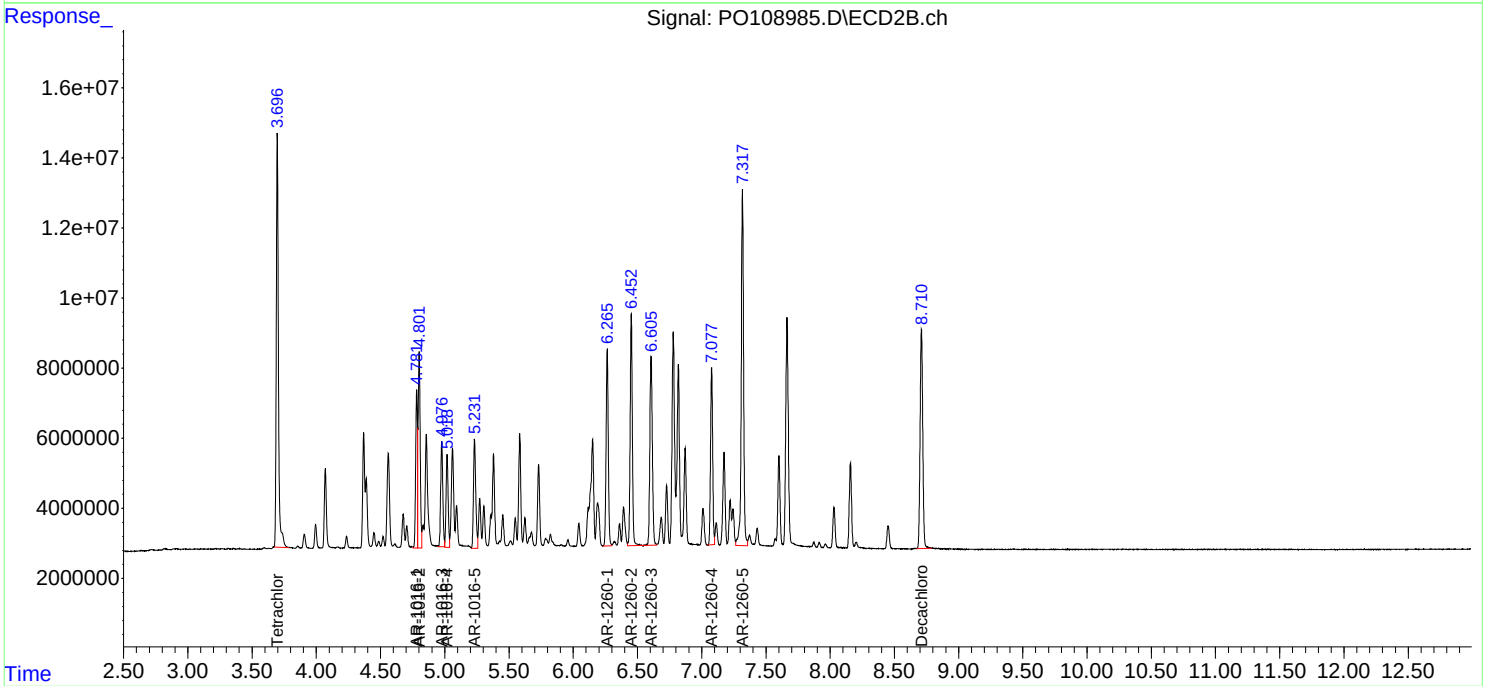
Manual Integrations APPROVED

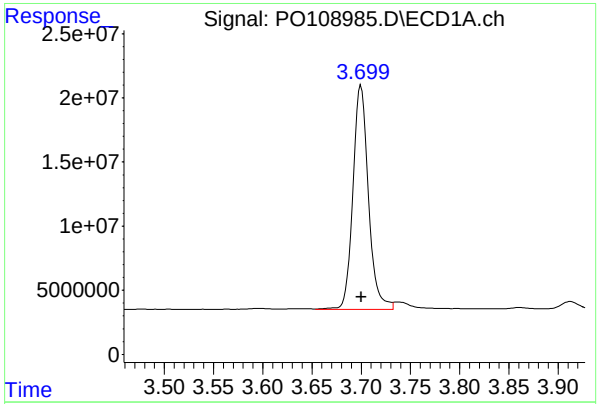
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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







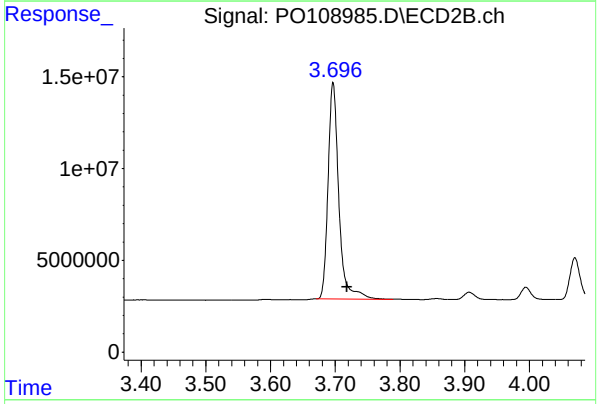
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 191102737
Conc: 25.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

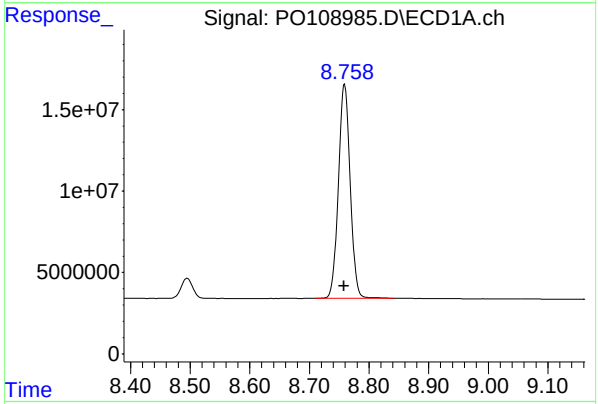
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



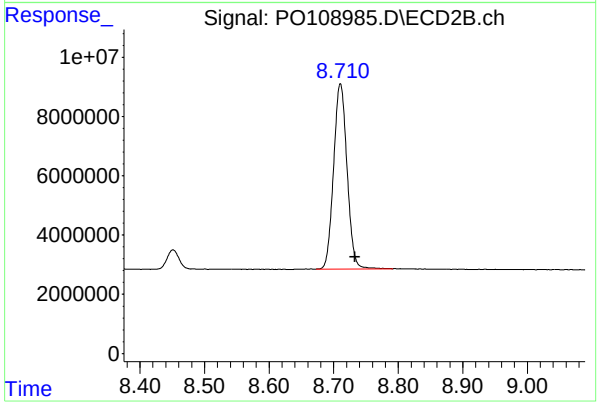
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.022 min
Response: 136551977
Conc: 25.16 ng/ml



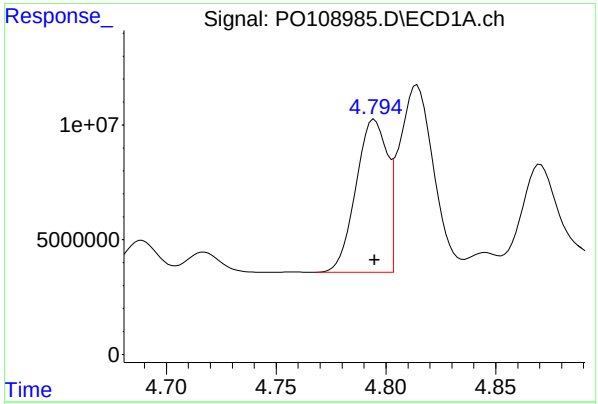
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 179710422
Conc: 26.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.710 min
Delta R.T.: -0.023 min
Response: 90584588
Conc: 26.71 ng/ml



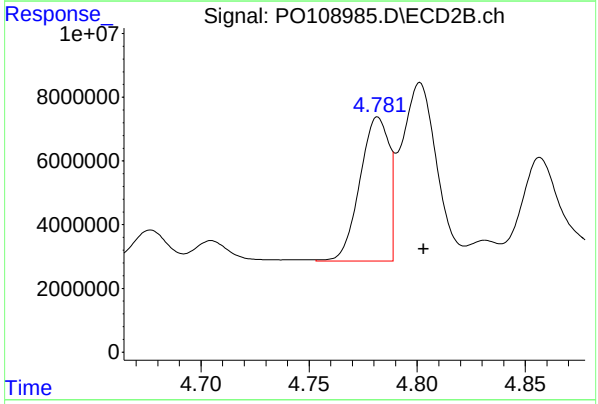
#3 AR-1016-1

R.T.: 4.795 min
Delta R.T.: 0.000 mi
Response: 65952553
Conc: 265.67 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

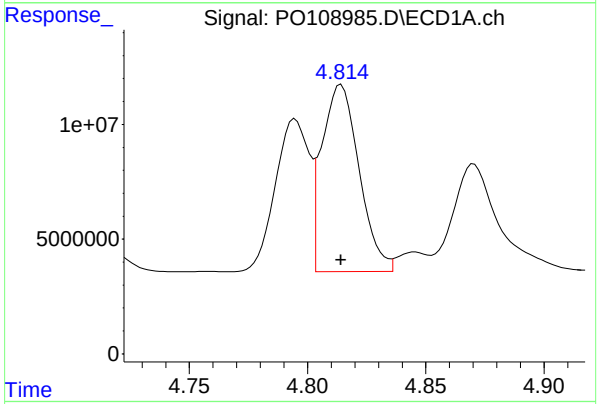
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



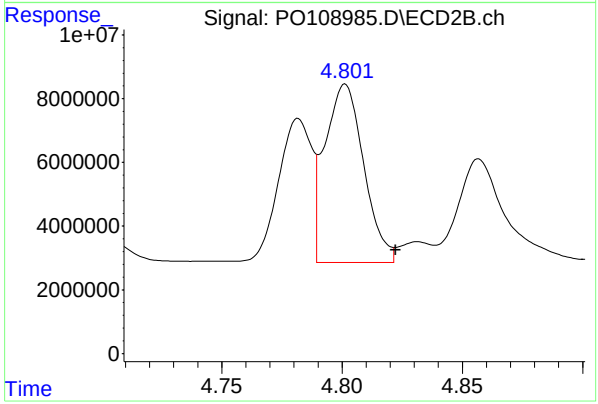
#3 AR-1016-1

R.T.: 4.781 min
Delta R.T.: -0.022 min
Response: 43225043
Conc: 259.38 ng/ml m



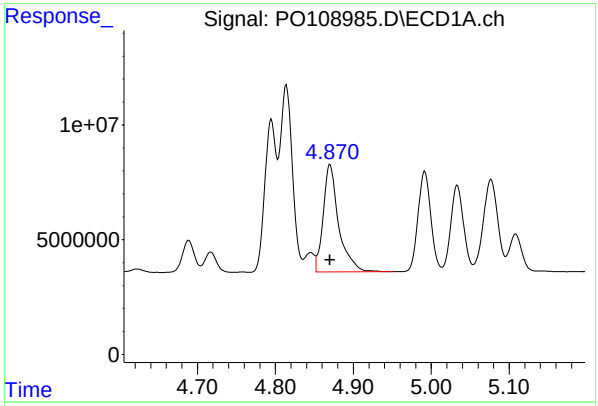
#4 AR-1016-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 89499178
Conc: 259.94 ng/ml



#4 AR-1016-2

R.T.: 4.801 min
Delta R.T.: -0.021 min
Response: 62502829
Conc: 269.27 ng/ml m



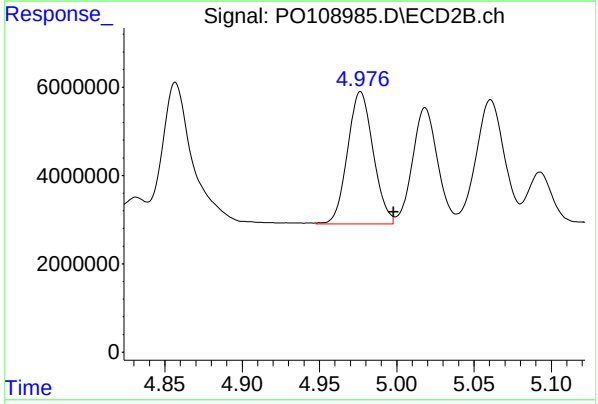
#5 AR-1016-3

R.T.: 4.870 min
Delta R.T.: 0.000 mi
Response: 64328356
Conc: 267.17 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

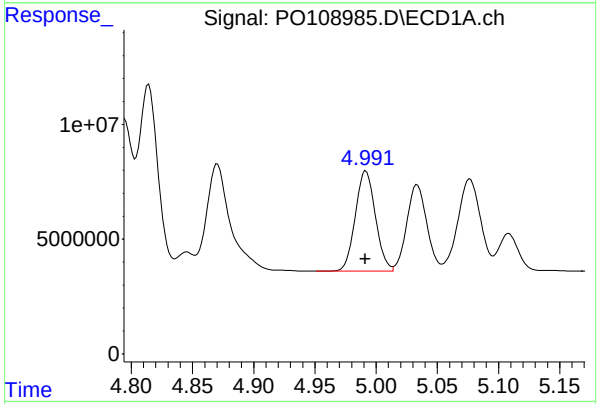
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



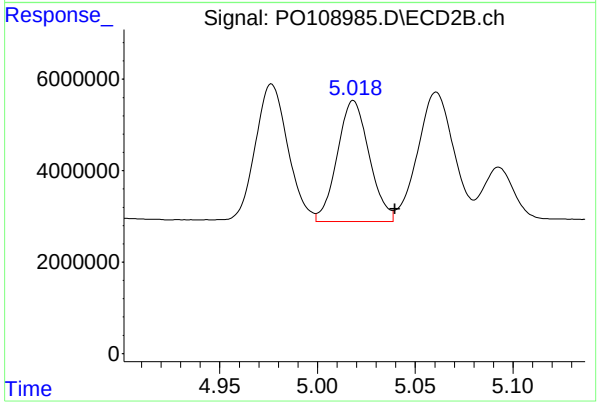
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 34543905
Conc: 268.42 ng/ml m



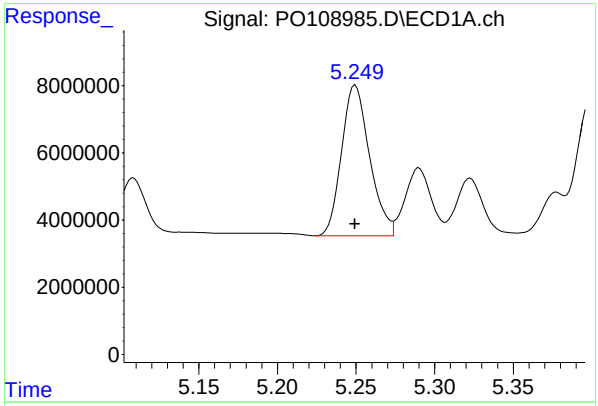
#6 AR-1016-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 49746771
Conc: 263.07 ng/ml



#6 AR-1016-4

R.T.: 5.018 min
Delta R.T.: -0.022 min
Response: 30162647
Conc: 275.99 ng/ml m



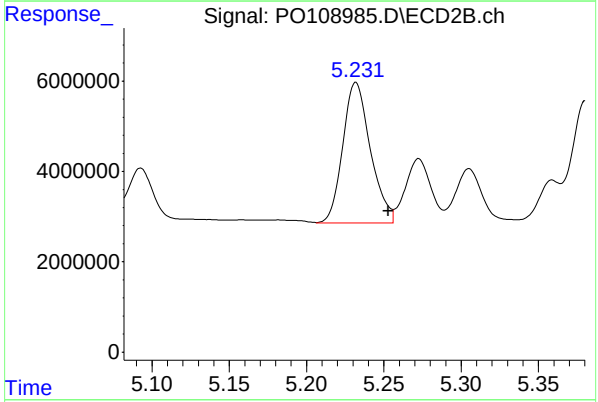
#7 AR-1016-5

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 55736789
Conc: 269.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

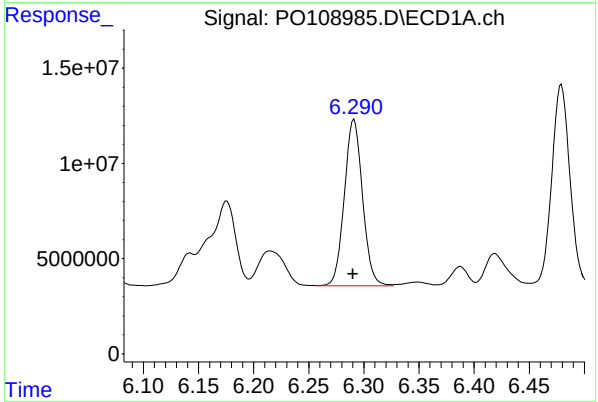
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



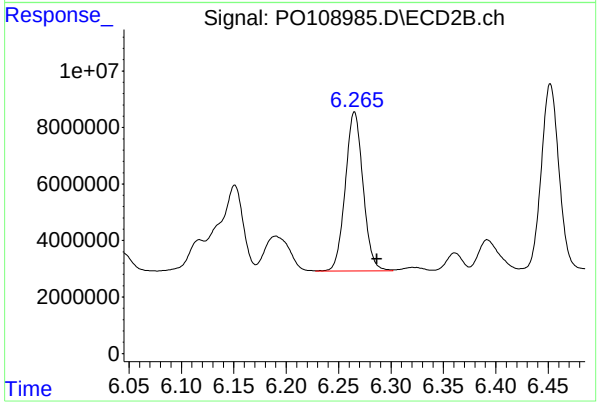
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 38791179
Conc: 273.77 ng/ml m



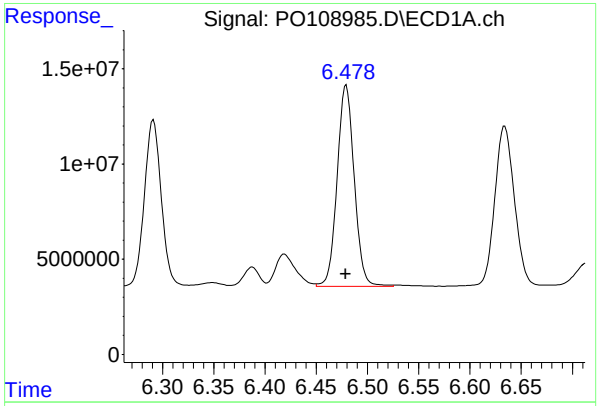
#31 AR-1260-1

R.T.: 6.291 min
Delta R.T.: 0.000 min
Response: 99983156
Conc: 266.29 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.021 min
Response: 66351828
Conc: 268.39 ng/ml



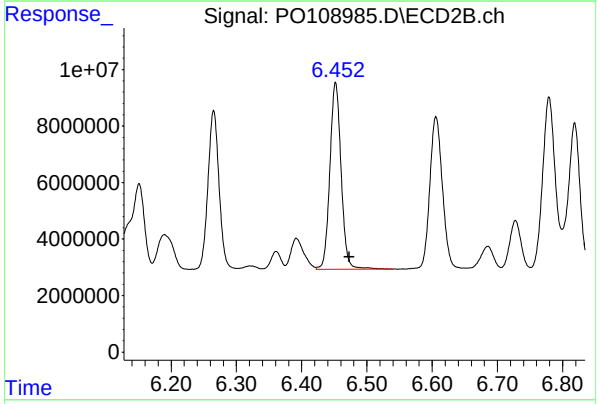
#32 AR-1260-2

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 122055218
Conc: 264.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

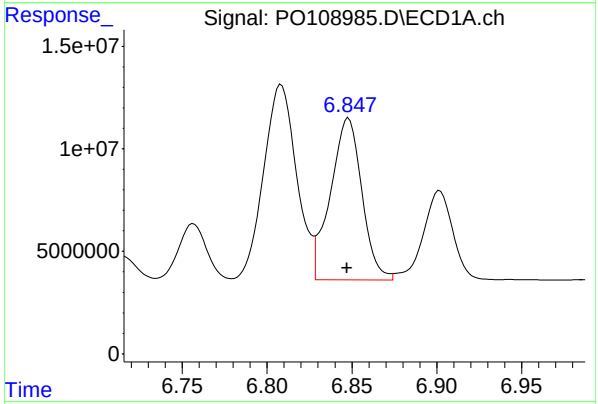
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



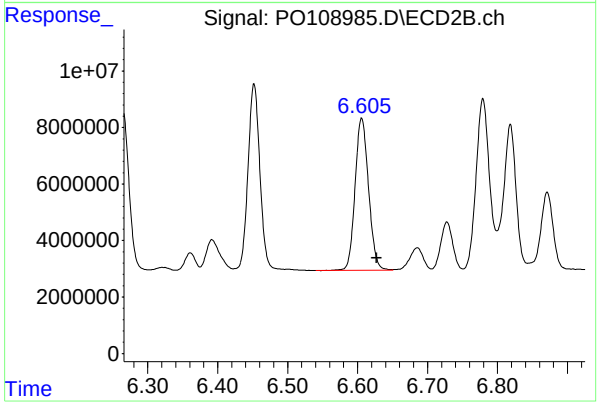
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 78703206
Conc: 269.63 ng/ml



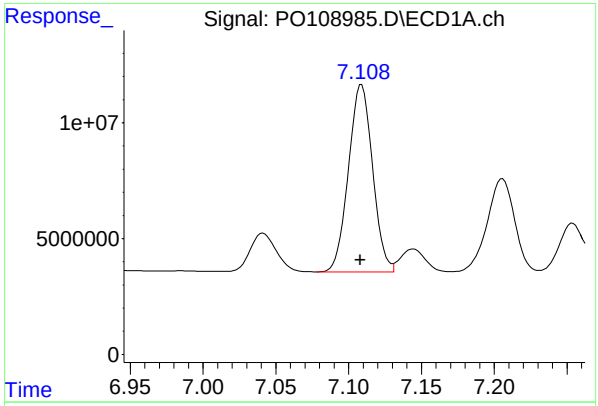
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 102042275
Conc: 264.01 ng/ml



#33 AR-1260-3

R.T.: 6.606 min
Delta R.T.: -0.021 min
Response: 72092726
Conc: 264.53 ng/ml



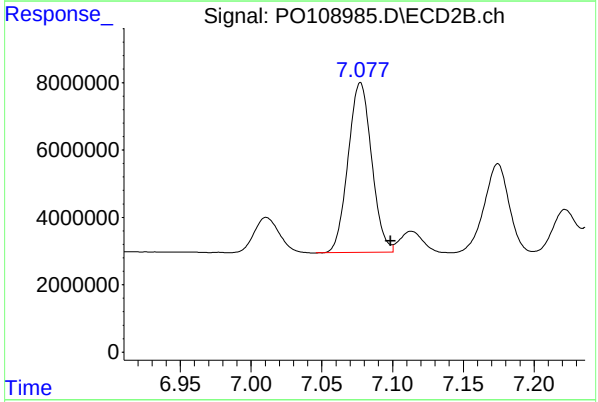
#34 AR-1260-4

R.T.: 7.109 min
Delta R.T.: 0.000 mi
Response: 93237919
Conc: 262.88 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

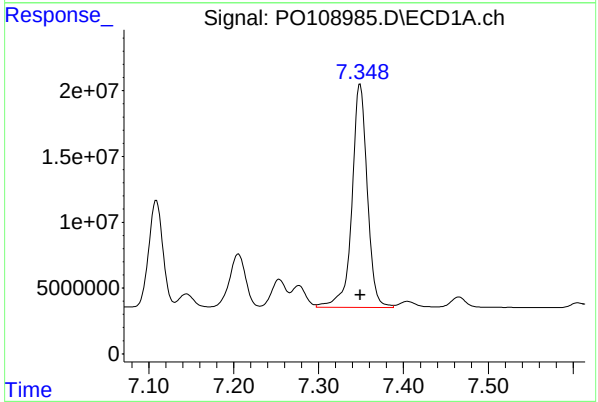
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



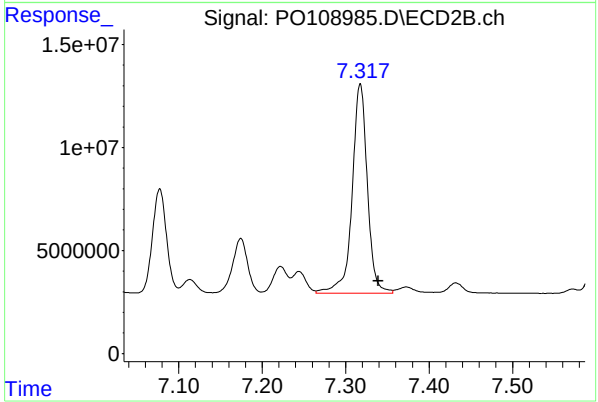
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.022 min
Response: 58494493
Conc: 262.94 ng/ml m



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 213389922
Conc: 255.93 ng/ml



#35 AR-1260-5

R.T.: 7.318 min
Delta R.T.: -0.021 min
Response: 128659371
Conc: 257.33 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 18:49
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:34:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.696	37769018	25790330	5.048	4.751
2)	SA Decachlor...	8.760	8.711	37623124	18664087	5.508	5.503
	Target Compounds						
3)	L1 AR-1016-1	4.795	4.781	13594822	9097406	54.762	54.590m
4)	L1 AR-1016-2	4.814	4.800	17889108	12464806	51.957	53.699m
5)	L1 AR-1016-3	4.870	4.975	13232239	6881496	54.957	53.472m
6)	L1 AR-1016-4	4.991	5.017	10275244	5933047	54.338	54.287m
7)	L1 AR-1016-5	5.248	5.231	11217400	7679788	54.173m	54.199m
31)	L7 AR-1260-1	6.290	6.264	20834969	13891546	55.491m	56.191m
32)	L7 AR-1260-2	6.479	6.451	25955278	16958222	56.208m	58.098m
33)	L7 AR-1260-3	6.848	6.605	21246938	15546554	54.971	57.045
34)	L7 AR-1260-4	7.108	7.077	19118870	12287364	53.904	55.233m
35)	L7 AR-1260-5	7.350	7.317	42622888	25746946	51.121	51.496

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 18:49
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

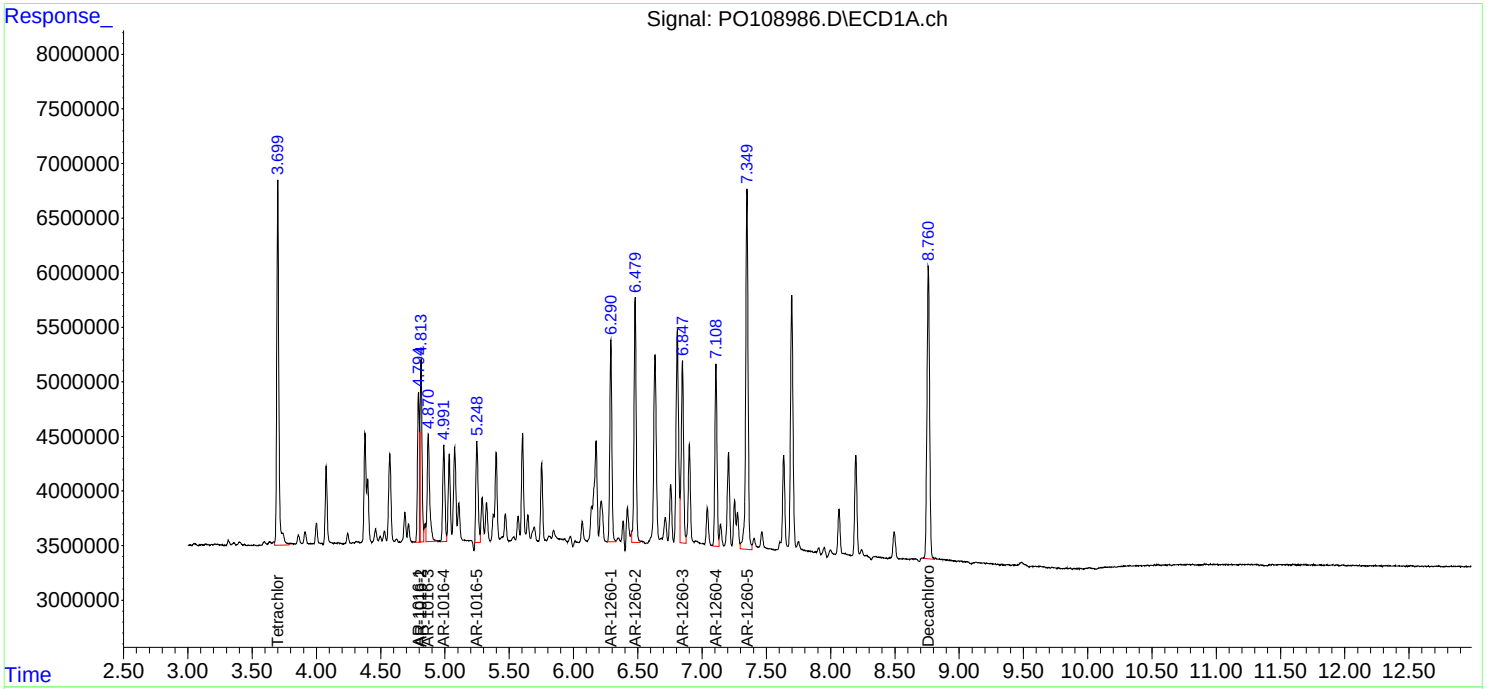
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

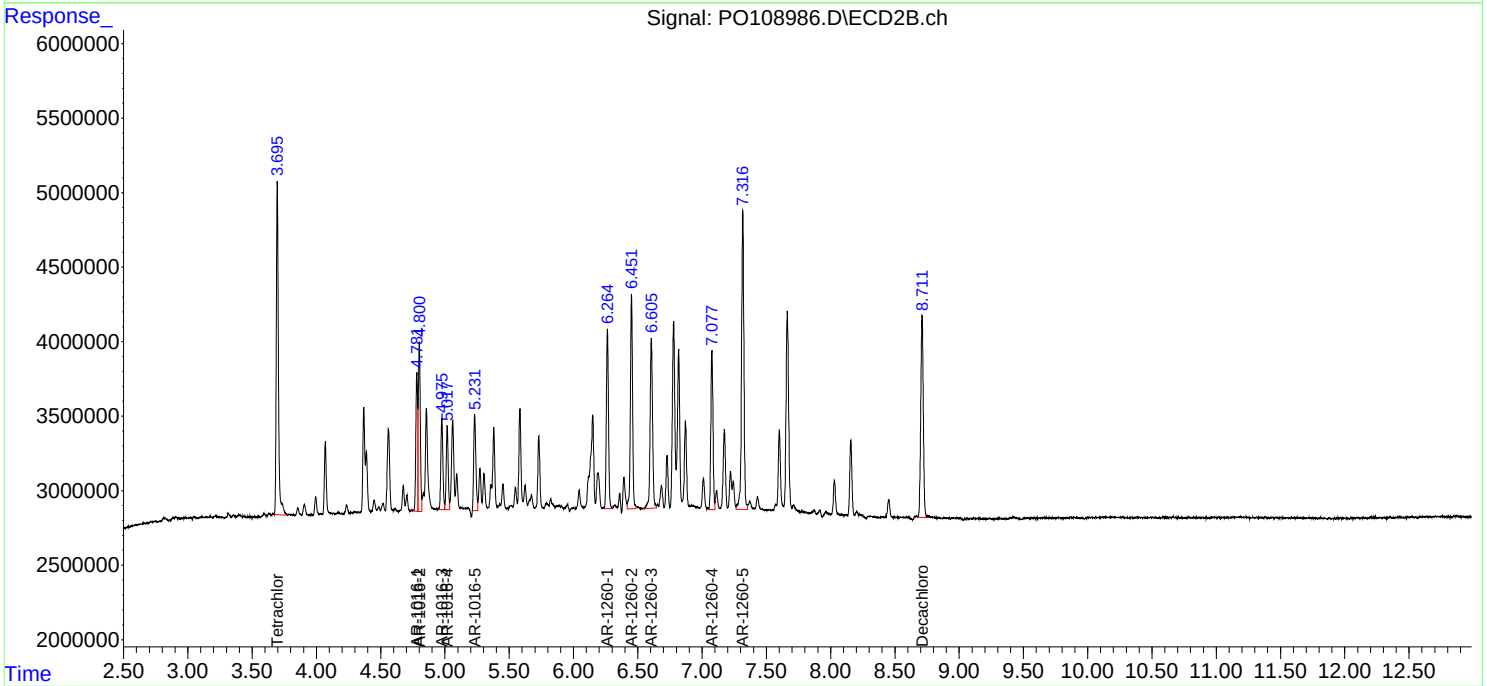
Manual Integrations APPROVED

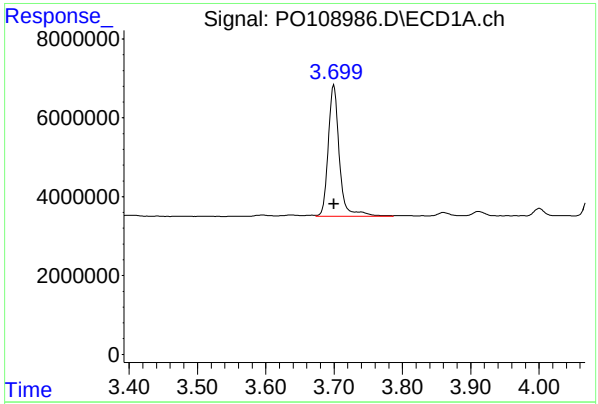
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:34:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:33:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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







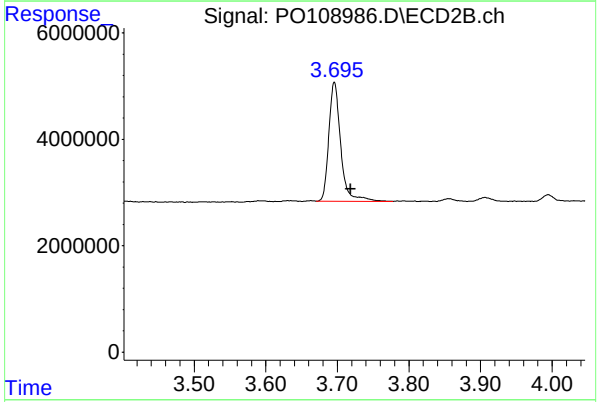
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 37769018
Conc: 5.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

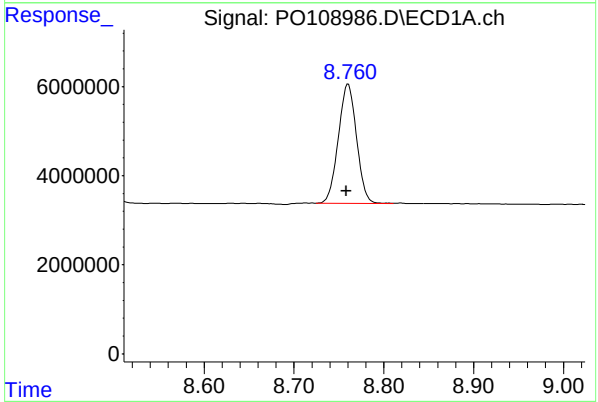
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



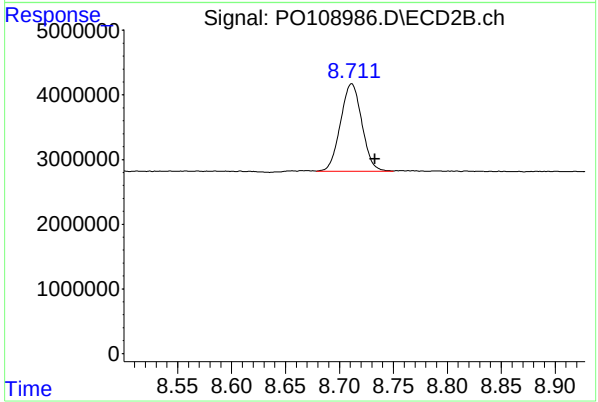
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 25790330
Conc: 4.75 ng/ml



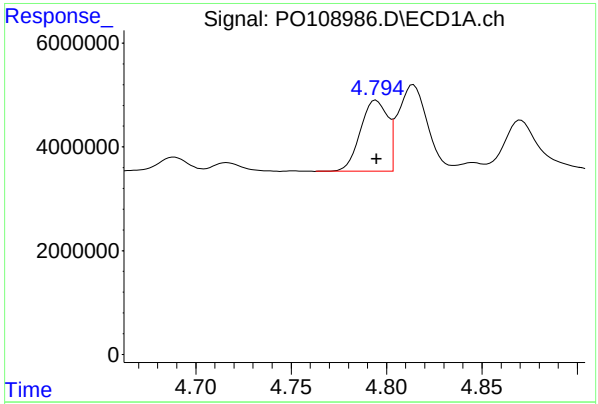
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.002 min
Response: 37623124
Conc: 5.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 18664087
Conc: 5.50 ng/ml



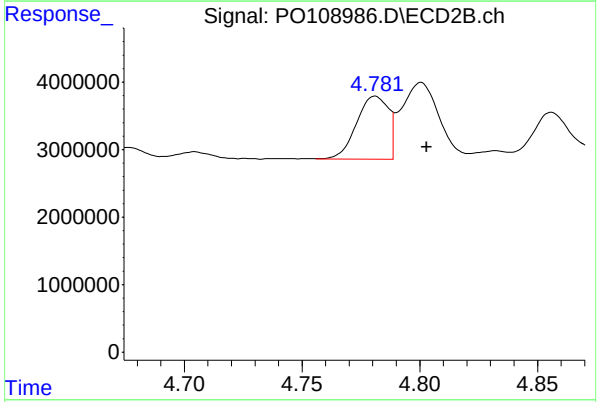
#3 AR-1016-1

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 13594822
Conc: 54.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

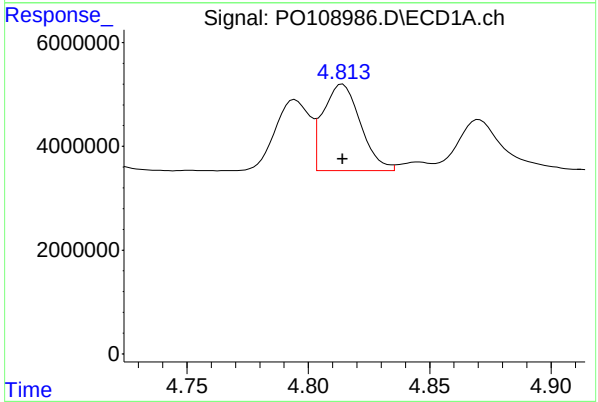
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



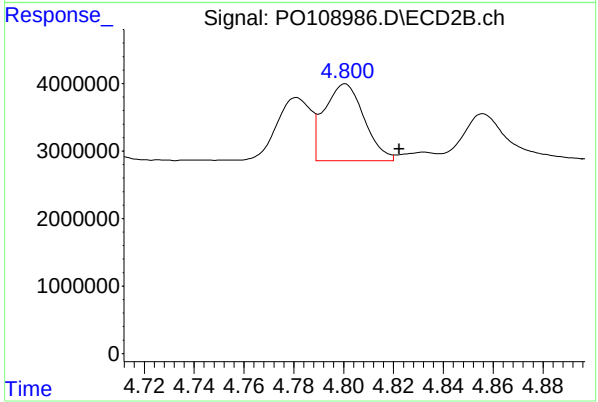
#3 AR-1016-1

R.T.: 4.781 min
Delta R.T.: -0.022 min
Response: 9097406
Conc: 54.59 ng/ml m



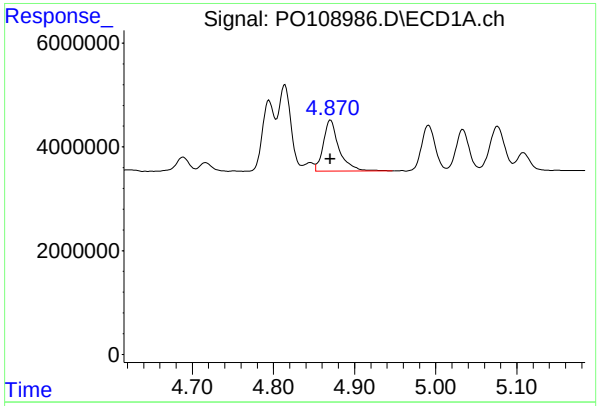
#4 AR-1016-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 17889108
Conc: 51.96 ng/ml



#4 AR-1016-2

R.T.: 4.800 min
Delta R.T.: -0.022 min
Response: 12464806
Conc: 53.70 ng/ml m



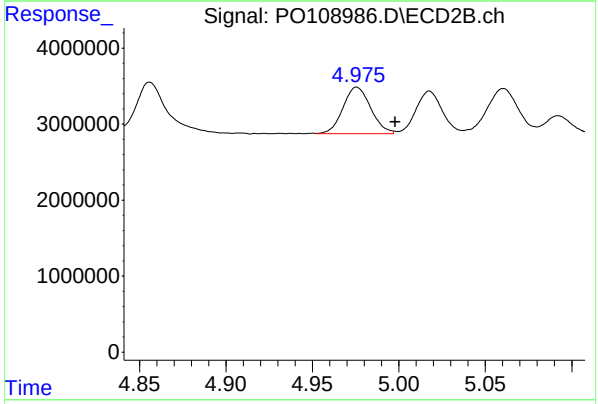
#5 AR-1016-3

R.T.: 4.870 min
Delta R.T.: 0.000 mi
Response: 13232239
Conc: 54.96 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

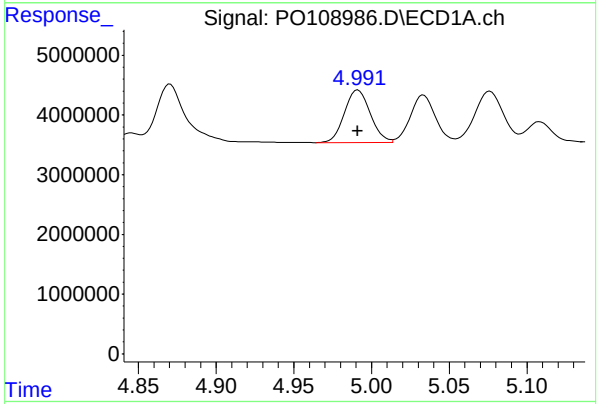
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



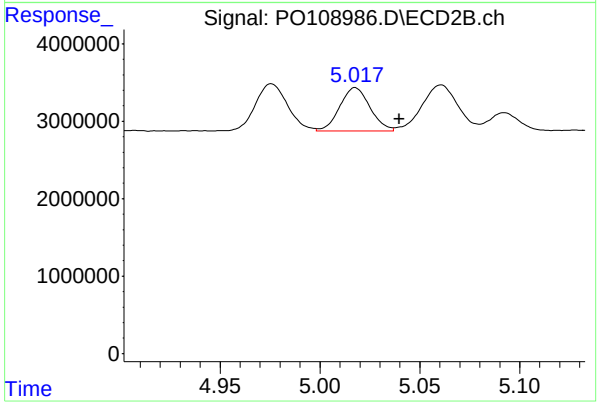
#5 AR-1016-3

R.T.: 4.975 min
Delta R.T.: -0.023 min
Response: 6881496
Conc: 53.47 ng/ml m



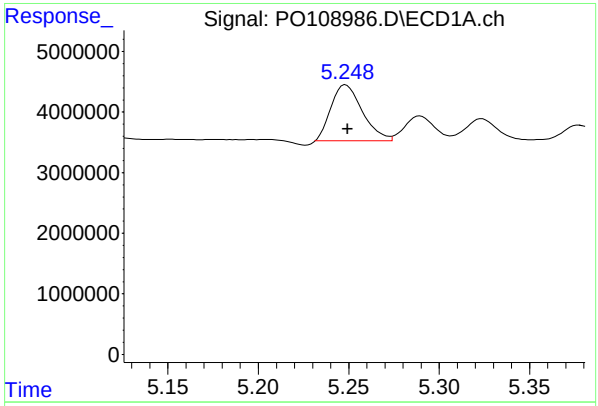
#6 AR-1016-4

R.T.: 4.991 min
Delta R.T.: 0.000 min
Response: 10275244
Conc: 54.34 ng/ml



#6 AR-1016-4

R.T.: 5.017 min
Delta R.T.: -0.023 min
Response: 5933047
Conc: 54.29 ng/ml m



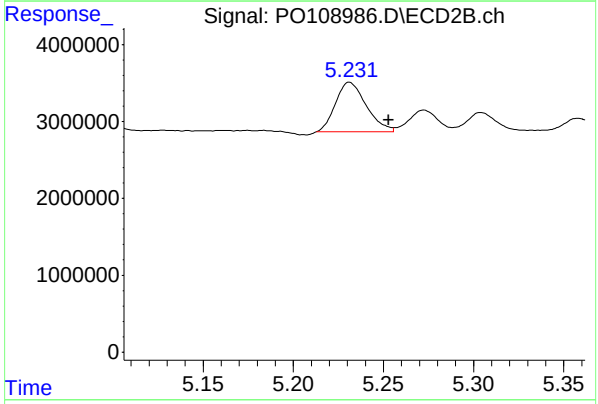
#7 AR-1016-5

R.T.: 5.248 min
Delta R.T.: -0.002 mi
Response: 11217400
Conc: 54.17 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

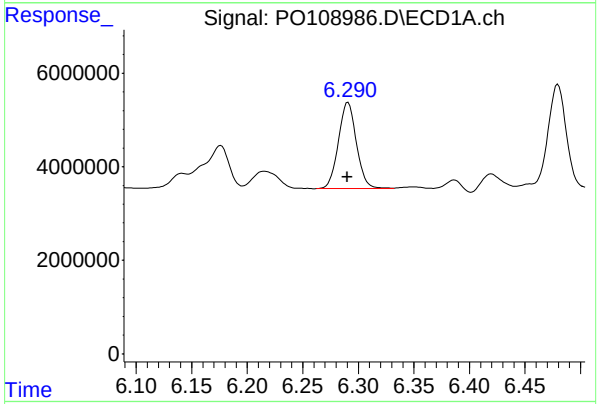
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



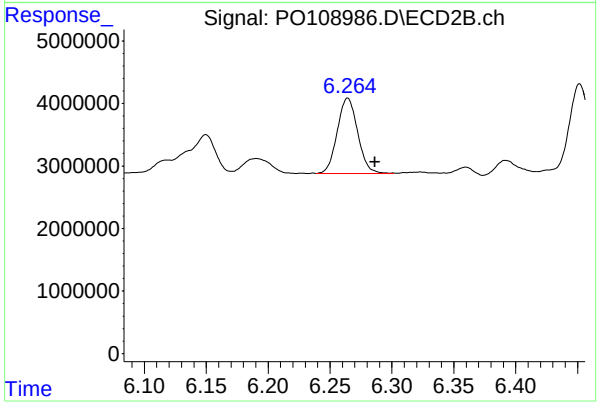
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 7679788
Conc: 54.20 ng/ml m



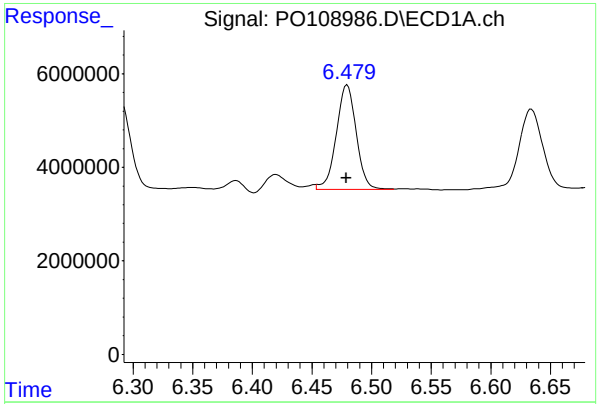
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 20834969
Conc: 55.49 ng/ml m



#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: -0.023 min
Response: 13891546
Conc: 56.19 ng/ml m



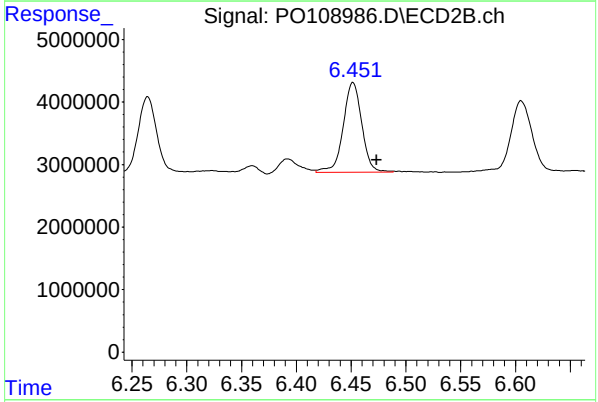
#32 AR-1260-2

R.T.: 6.479 min
Delta R.T.: 0.000 mi
Response: 25955278
Conc: 56.21 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

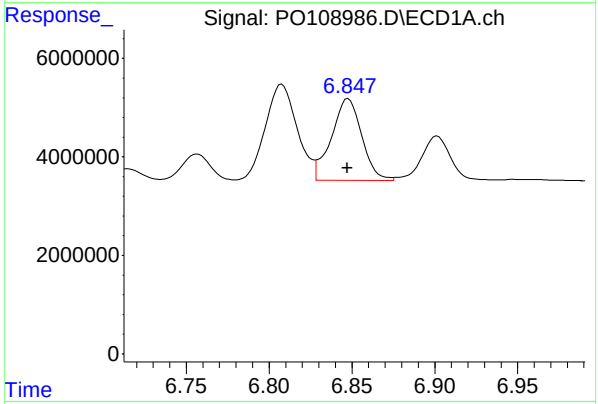
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



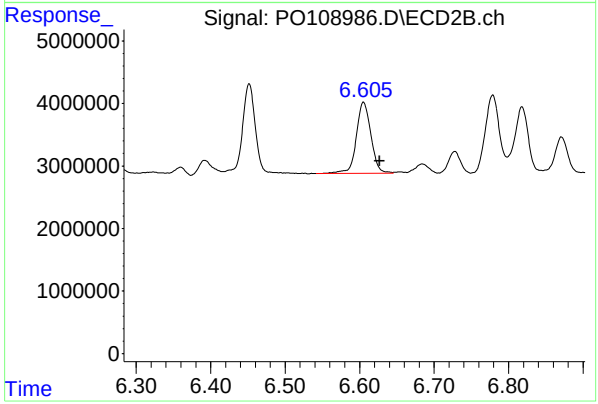
#32 AR-1260-2

R.T.: 6.451 min
Delta R.T.: -0.022 min
Response: 16958222
Conc: 58.10 ng/ml m



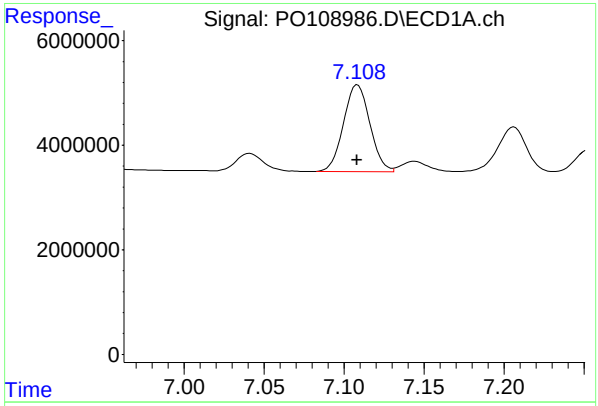
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 21246938
Conc: 54.97 ng/ml



#33 AR-1260-3

R.T.: 6.605 min
Delta R.T.: -0.022 min
Response: 15546554
Conc: 57.05 ng/ml



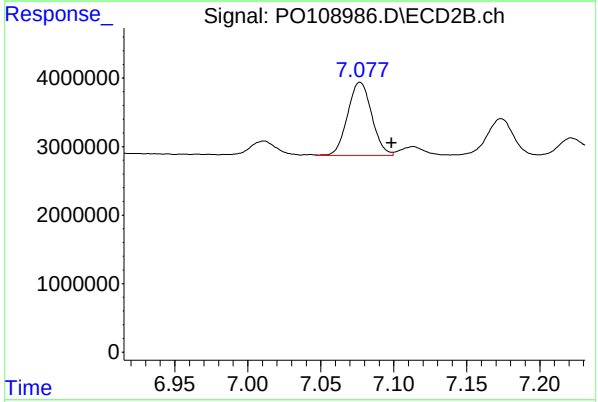
#34 AR-1260-4

R.T.: 7.108 min
Delta R.T.: 0.000 mi
Response: 19118870
Conc: 53.90 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

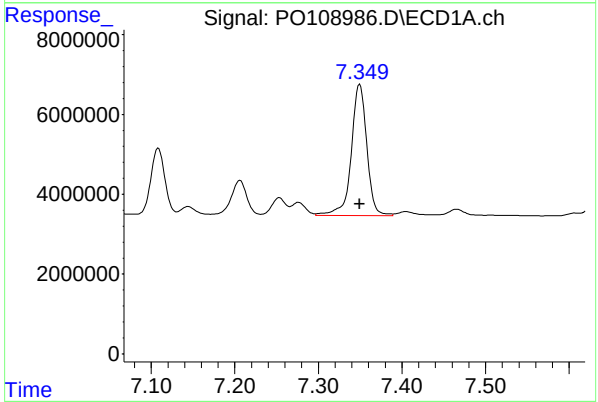
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



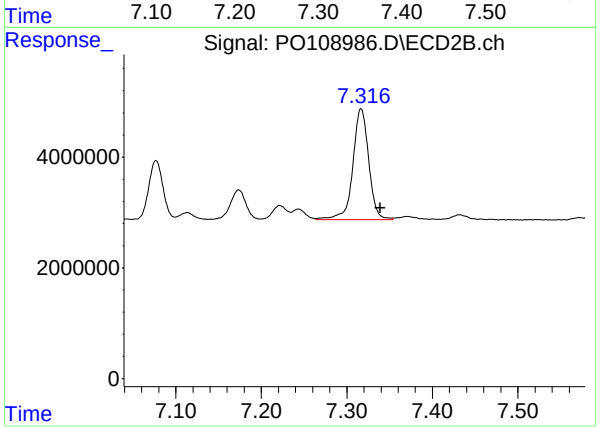
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.022 min
Response: 12287364
Conc: 55.23 ng/ml m



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 42622888
Conc: 51.12 ng/ml



#35 AR-1260-5

R.T.: 7.317 min
Delta R.T.: -0.022 min
Response: 25746946
Conc: 51.50 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:07
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: Jan 21 23:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:52:57 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...	3.700	3.697	368.0E6	258.4E6	50.000	50.000
2)	SA Decachlor...	8.758	8.710	327.8E6	163.3E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	3.914	3.909	50050468	32744920	500.000	500.000
9)	L2 AR-1221-2	4.000	3.995	37203615	24693836	500.000	500.000
10)	L2 AR-1221-3	4.077	4.070	104.0E6	72580187	500.000	500.000

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

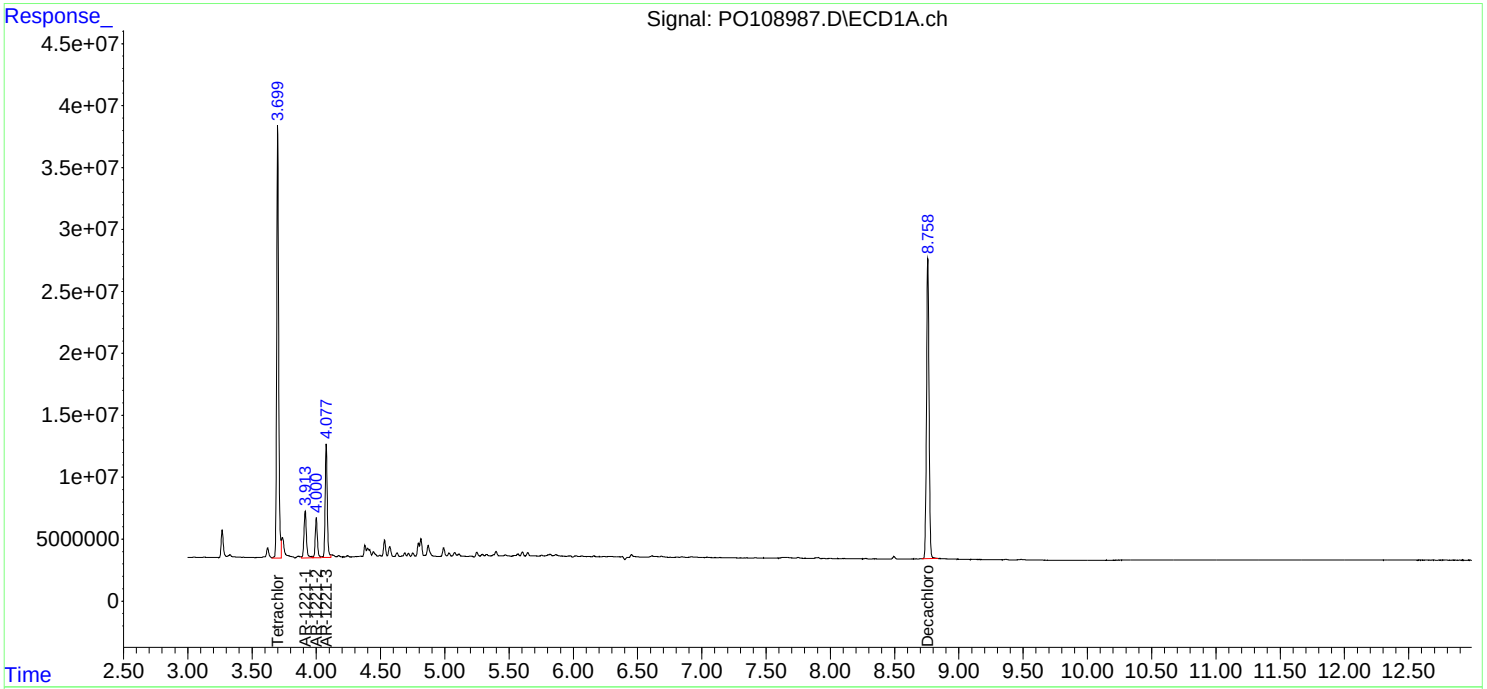
ICAL Form

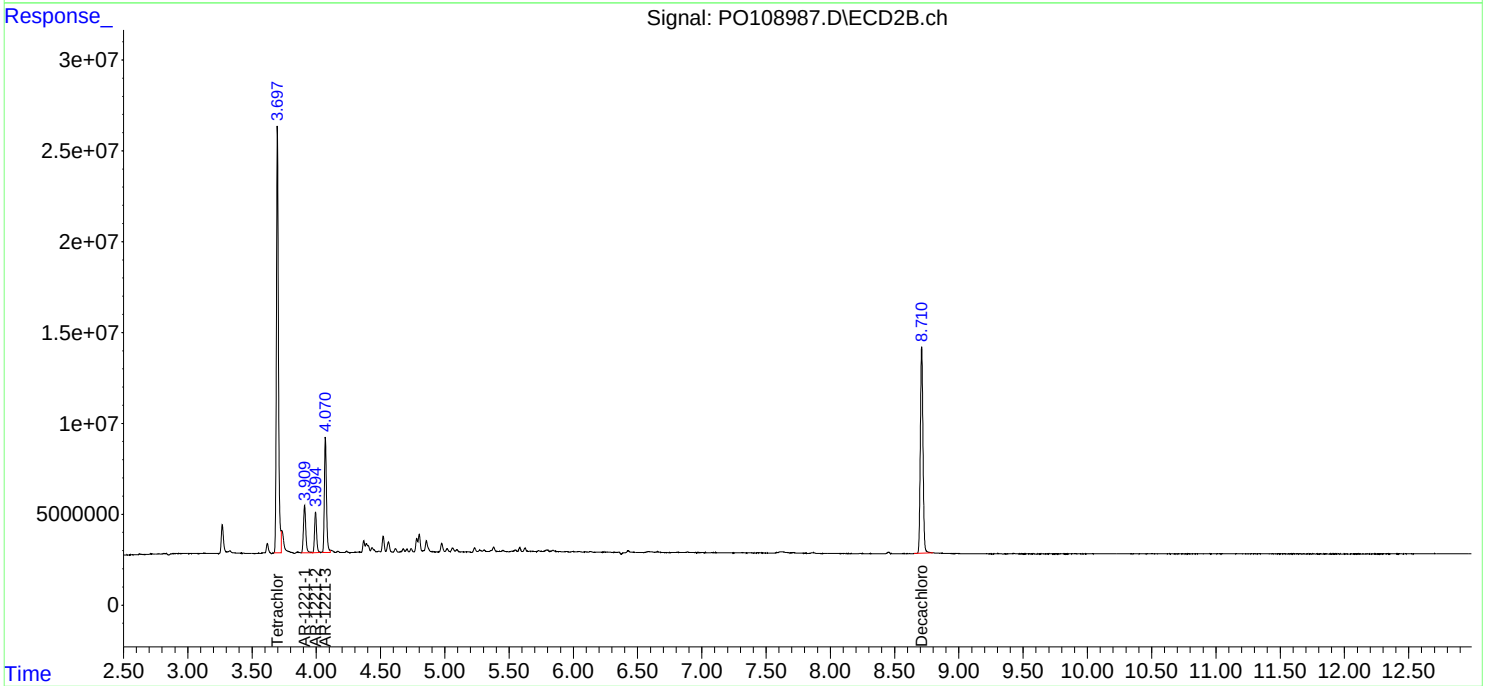
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:07
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

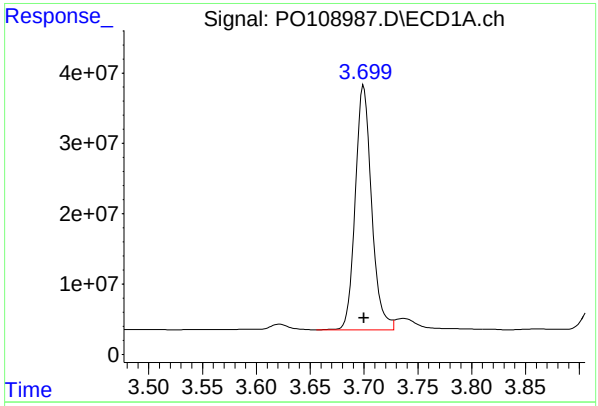
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 23:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 21 23:52:57 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



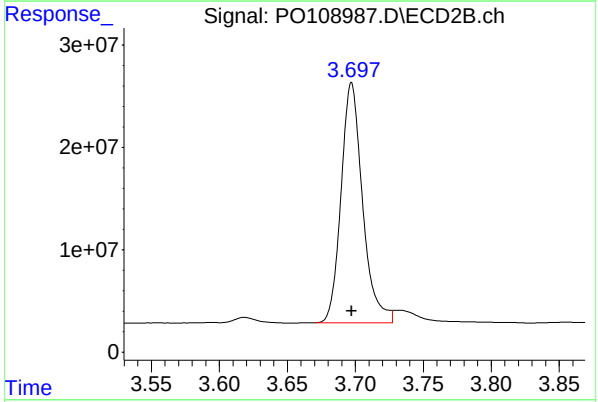




#1 Tetrachloro-m-xylene

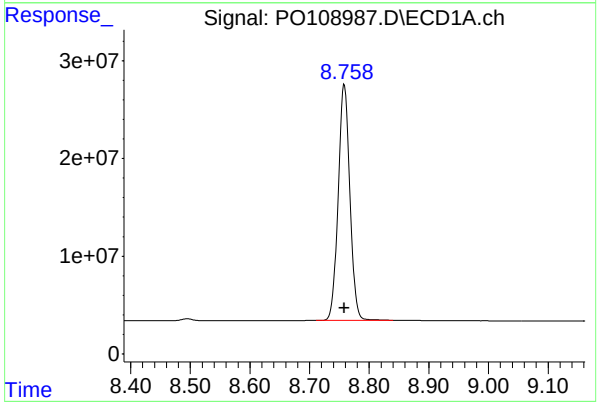
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 367966019
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



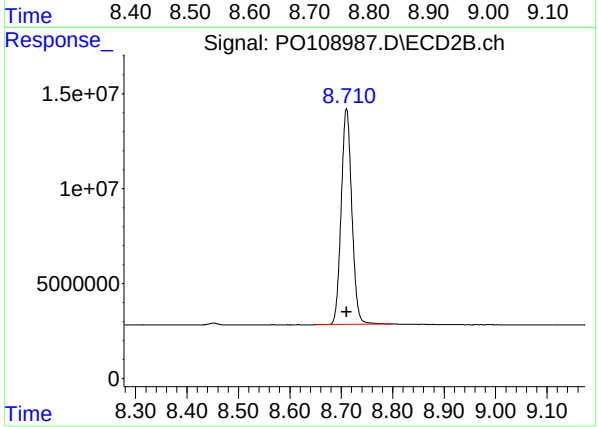
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 258427873
Conc: 50.00 ng/ml



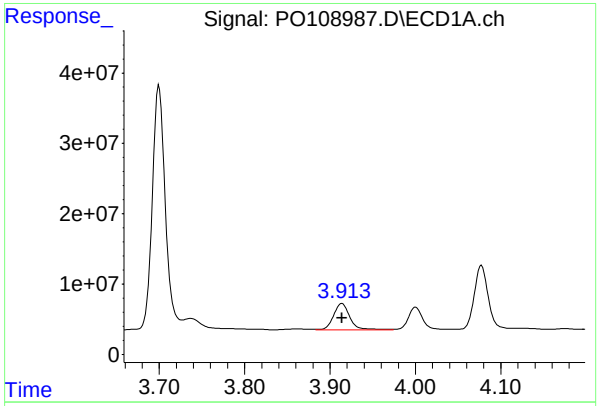
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 327820543
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

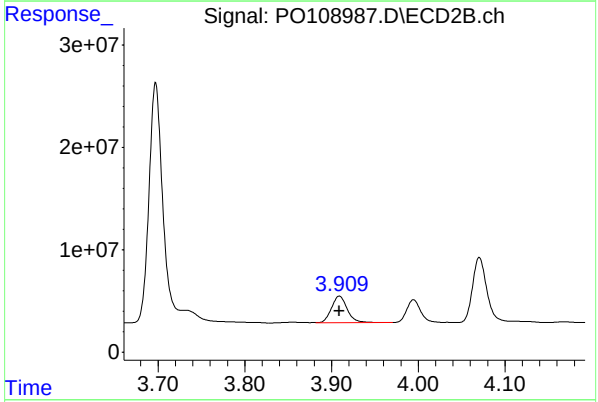
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 163280670
Conc: 50.00 ng/ml



#8 AR-1221-1

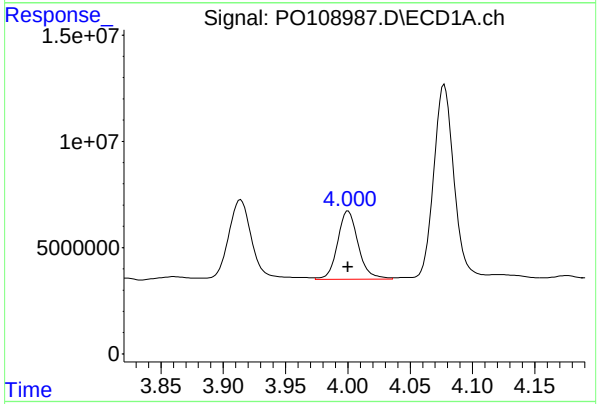
R.T.: 3.914 min
Delta R.T.: 0.000 min
Response: 50050468
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



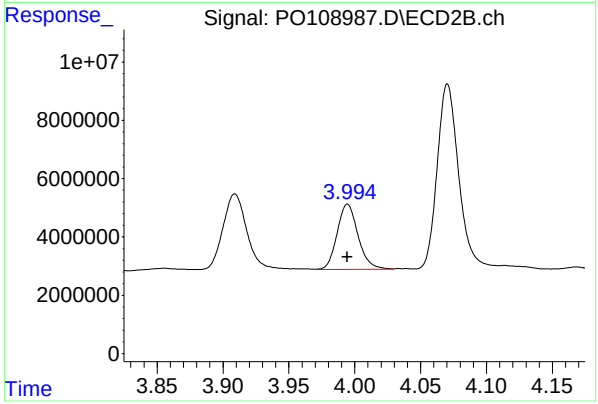
#8 AR-1221-1

R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 32744920
Conc: 500.00 ng/ml



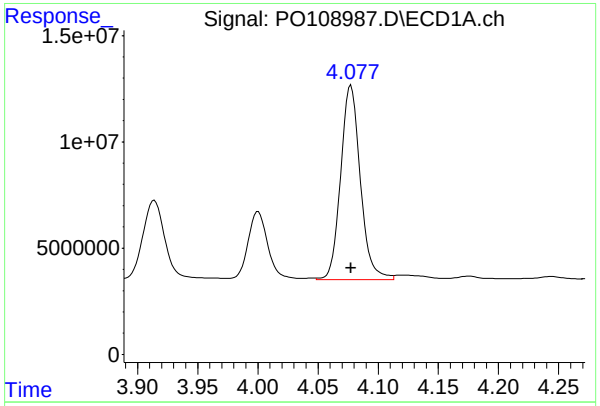
#9 AR-1221-2

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 37203615
Conc: 500.00 ng/ml



#9 AR-1221-2

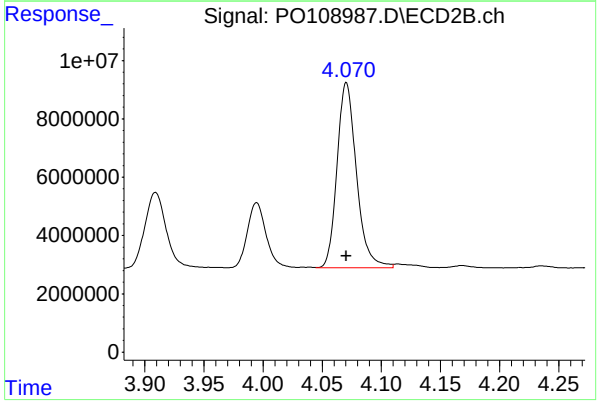
R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 24693836
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 104007429
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.070 min
Delta R.T.: 0.000 min
Response: 72580187
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:26
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: Jan 22 00:05:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:05:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.700	3.697	358.0E6	266.2E6	50.000	50.000
2) SA	Decachlor...	8.759	8.711	317.6E6	157.3E6	50.000	50.000
	Target Compounds						
11) L3	AR-1232-1	4.077	4.070	82560827	57753952	500.000	500.000
12) L3	AR-1232-2	4.572	4.801	45490796	54456582	500.000	500.000
13) L3	AR-1232-3	4.814	4.977	80075889	29983465	500.000	500.000
14) L3	AR-1232-4	4.991	5.060	44000708	28630970	500.000	500.000
15) L3	AR-1232-5	5.033	5.232	32409117	30335972	500.000	500.000

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

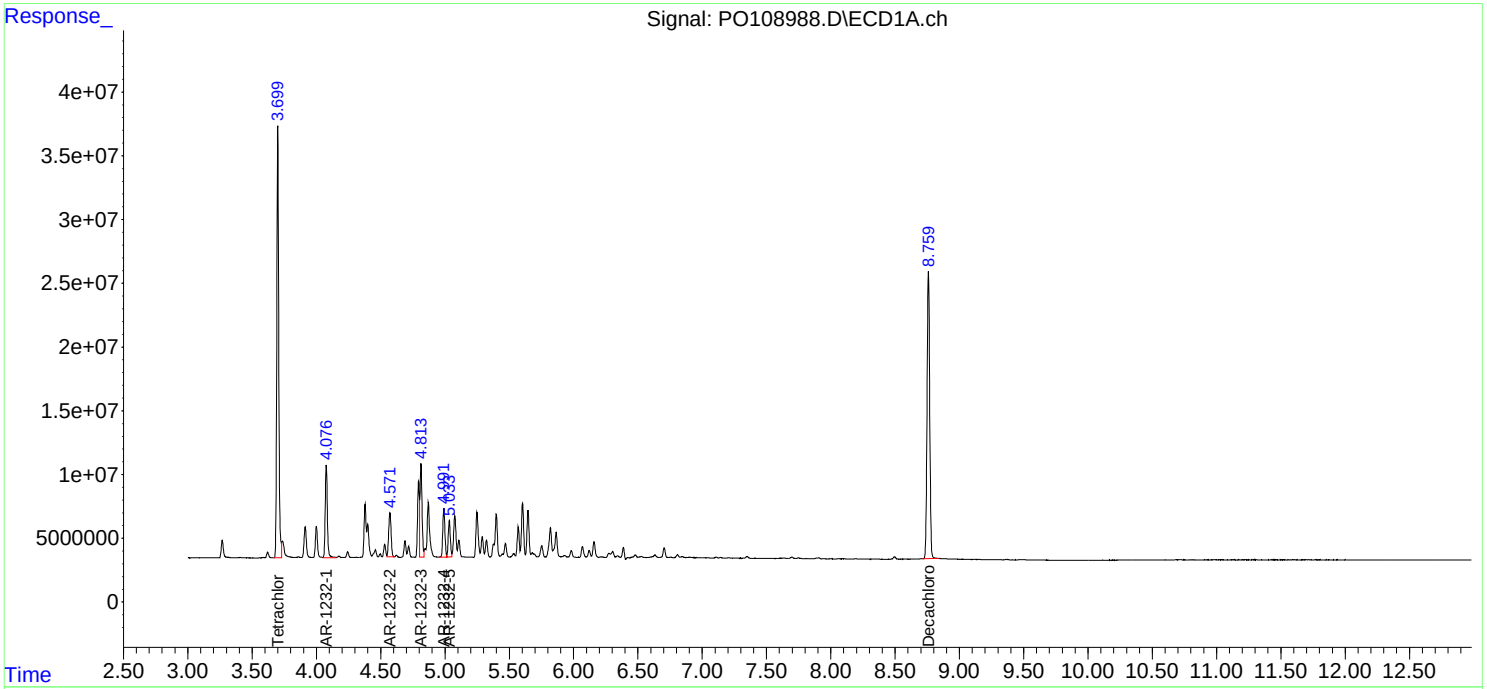
ICAL Form

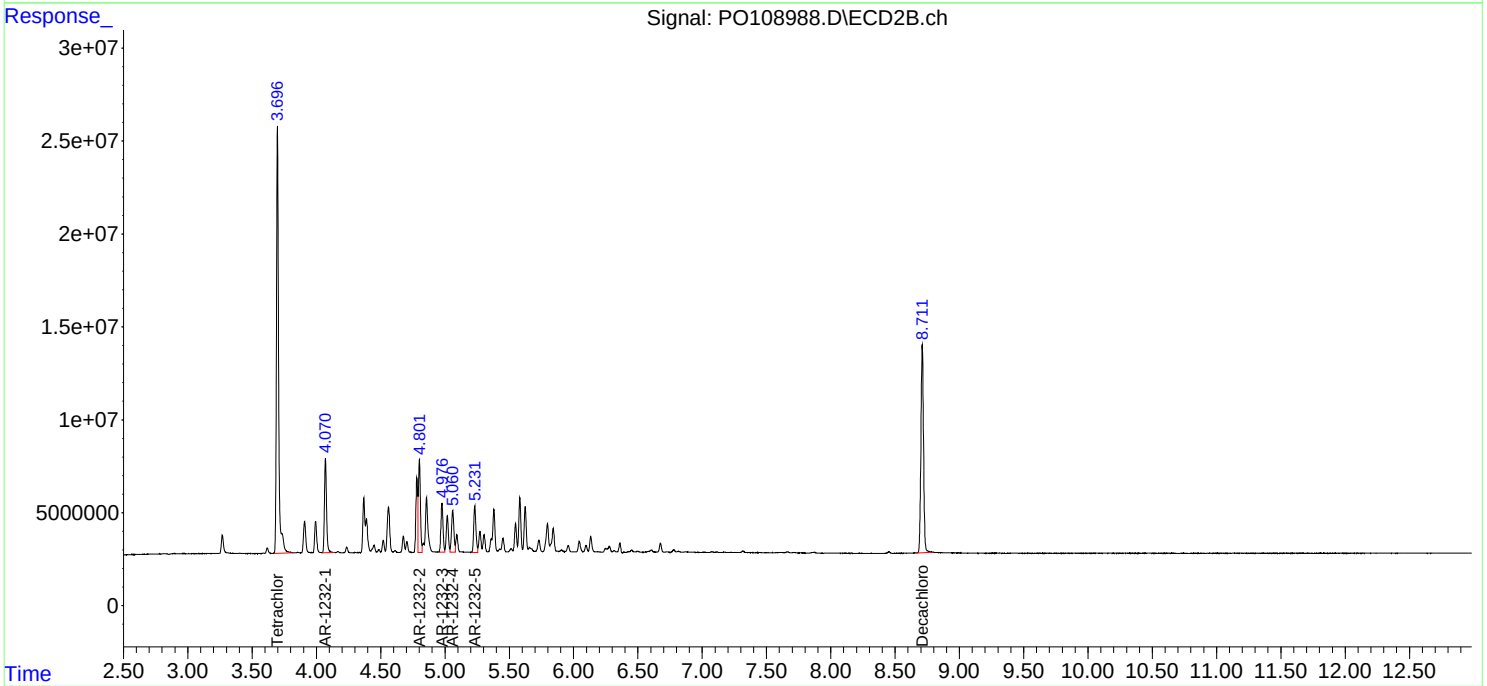
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:26
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

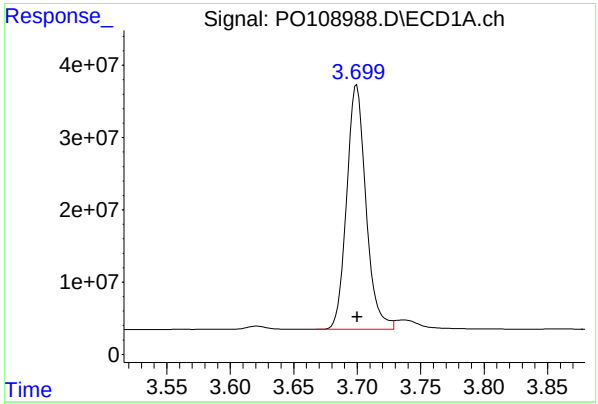
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:05:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:05:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



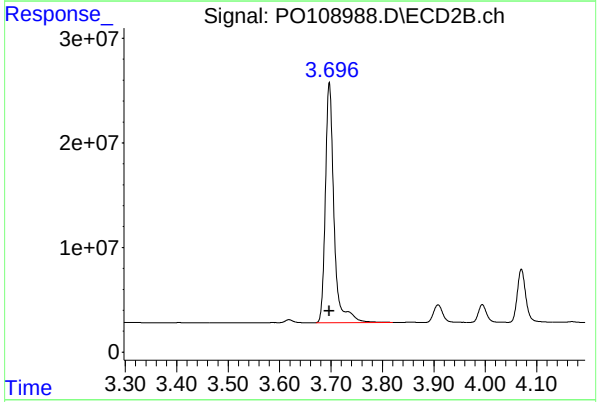




#1 Tetrachloro-m-xylene

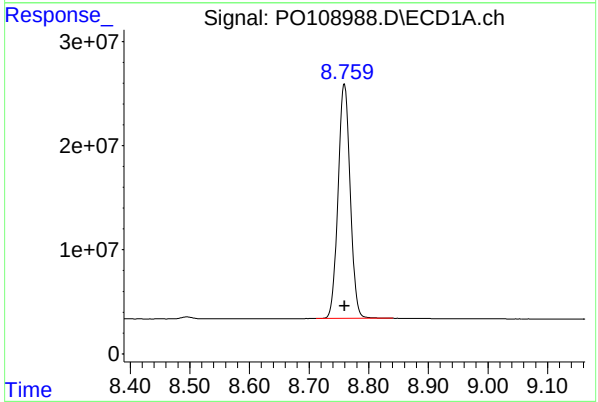
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 357952821
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



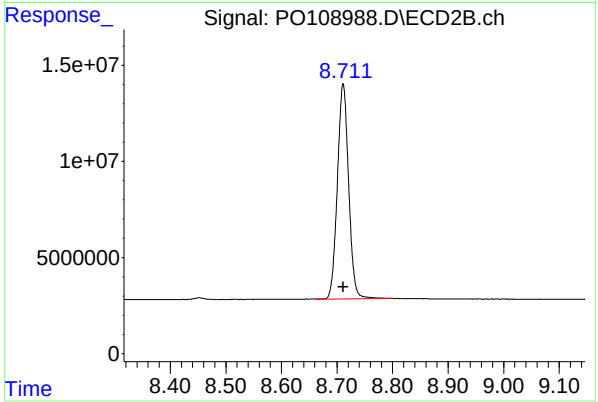
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 266161788
Conc: 50.00 ng/ml



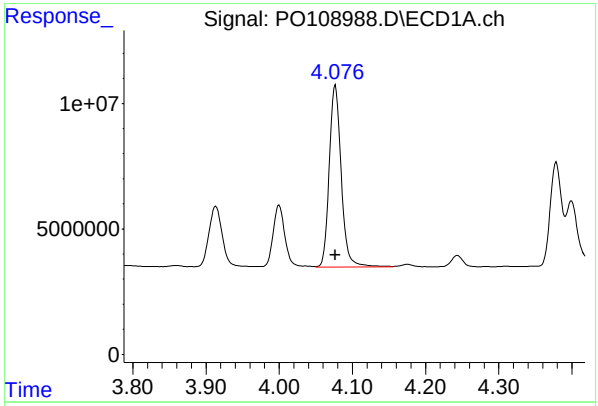
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 317619972
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

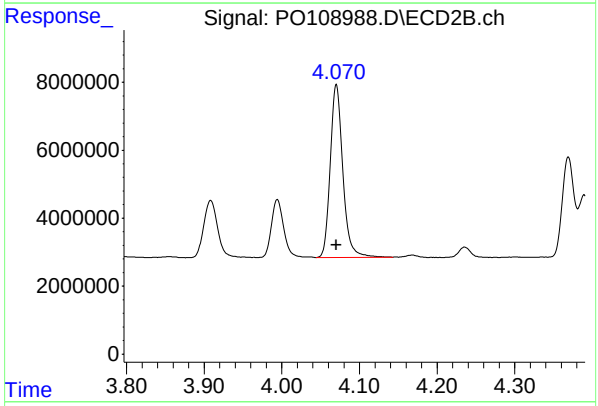
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 157333378
Conc: 50.00 ng/ml



#11 AR-1232-1

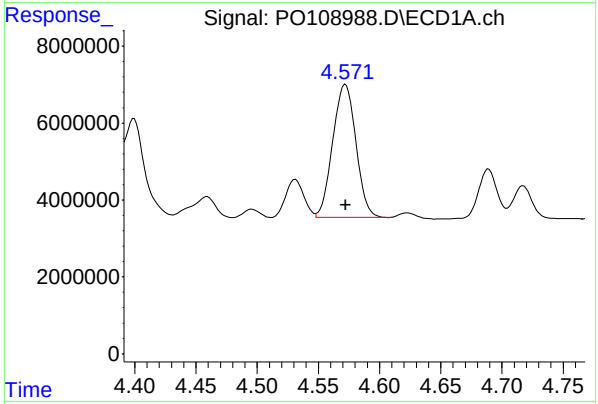
R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 82560827
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



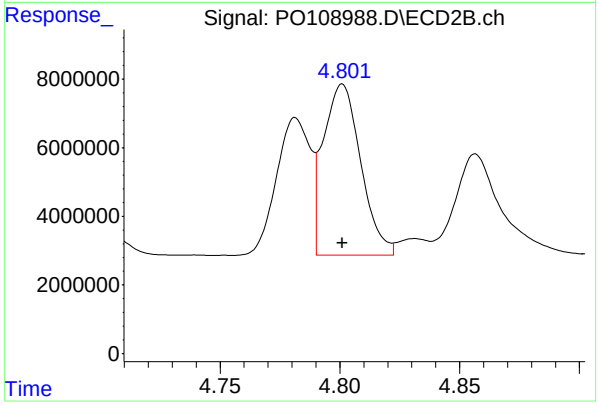
#11 AR-1232-1

R.T.: 4.070 min
Delta R.T.: 0.000 min
Response: 57753952
Conc: 500.00 ng/ml



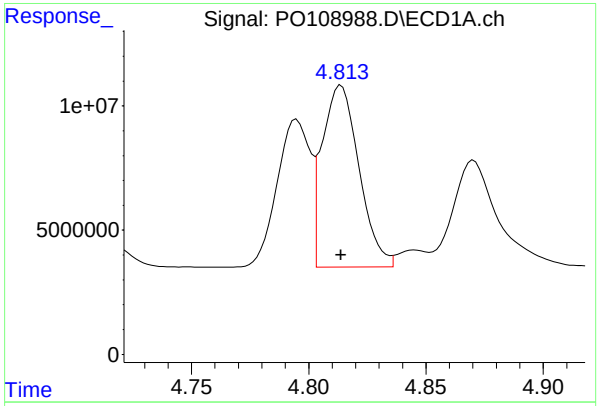
#12 AR-1232-2

R.T.: 4.572 min
Delta R.T.: 0.000 min
Response: 45490796
Conc: 500.00 ng/ml



#12 AR-1232-2

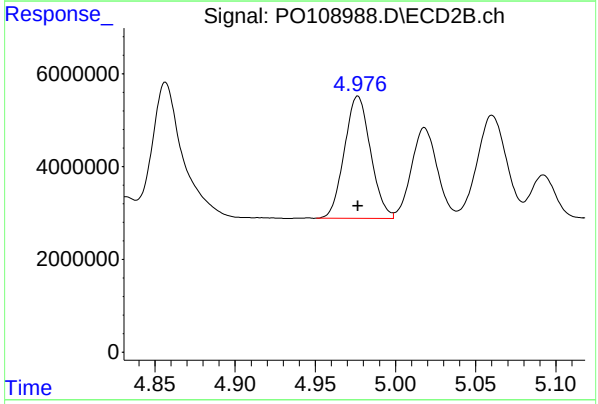
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 54456582
Conc: 500.00 ng/ml



#13 AR-1232-3

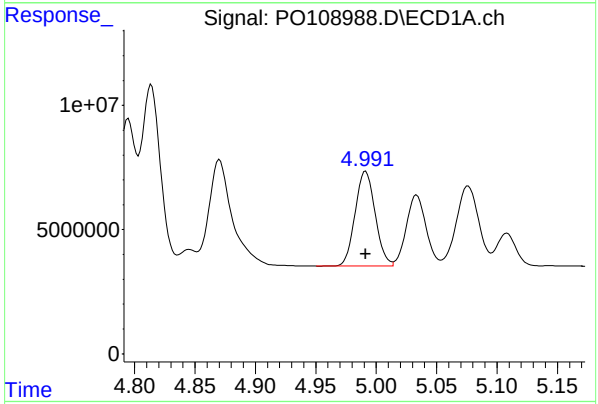
R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 80075889
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



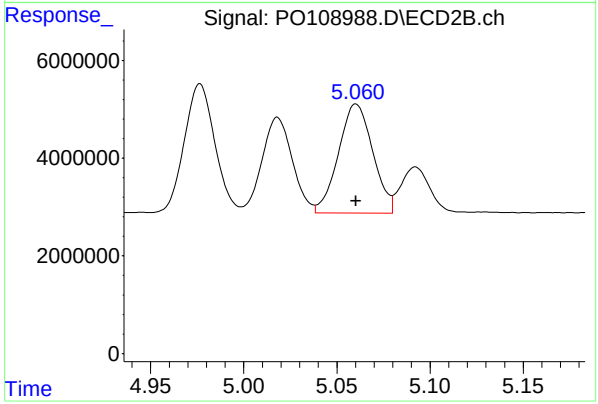
#13 AR-1232-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 29983465
Conc: 500.00 ng/ml



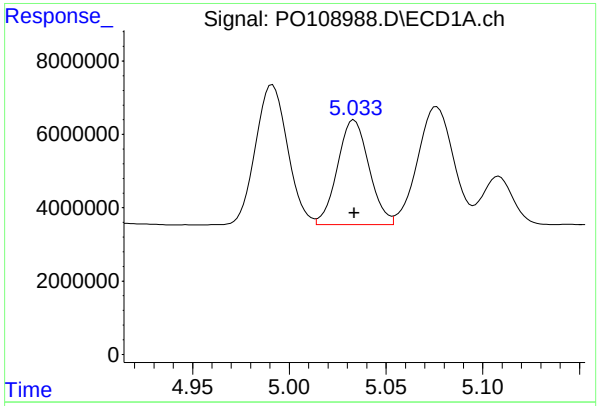
#14 AR-1232-4

R.T.: 4.991 min
Delta R.T.: 0.000 min
Response: 44000708
Conc: 500.00 ng/ml



#14 AR-1232-4

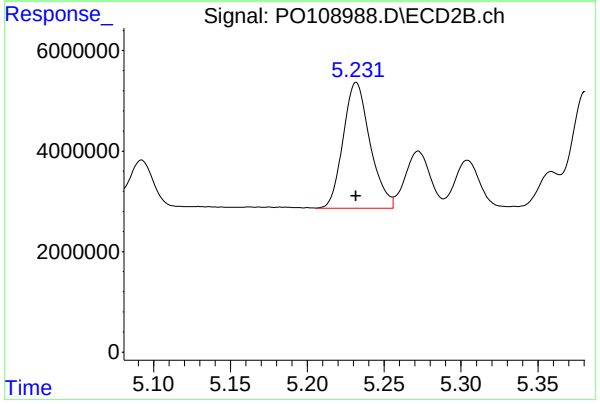
R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 28630970
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.033 min
Delta R.T.: 0.000 min
Response: 32409117
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 30335972
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:44
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: Jan 22 00:15:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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...	3.700	3.697	730.3E6	514.6E6	94.887	94.908
2)	SA Decachlor...	8.760	8.711	609.4E6	297.6E6	92.950	91.574
	Target Compounds						
16)	L4 AR-1242-1	4.795	4.782	195.2E6	130.3E6	910.837	911.956
17)	L4 AR-1242-2	4.815	4.802	268.1E6	183.8E6	926.890	923.974
18)	L4 AR-1242-3	4.870	4.977	186.2E6	100.1E6	901.961	904.287
19)	L4 AR-1242-4	4.991	5.061	146.3E6	101.7E6	912.251	889.383
20)	L4 AR-1242-5	5.645	5.583	154.3E6	124.2E6	918.652	913.756

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

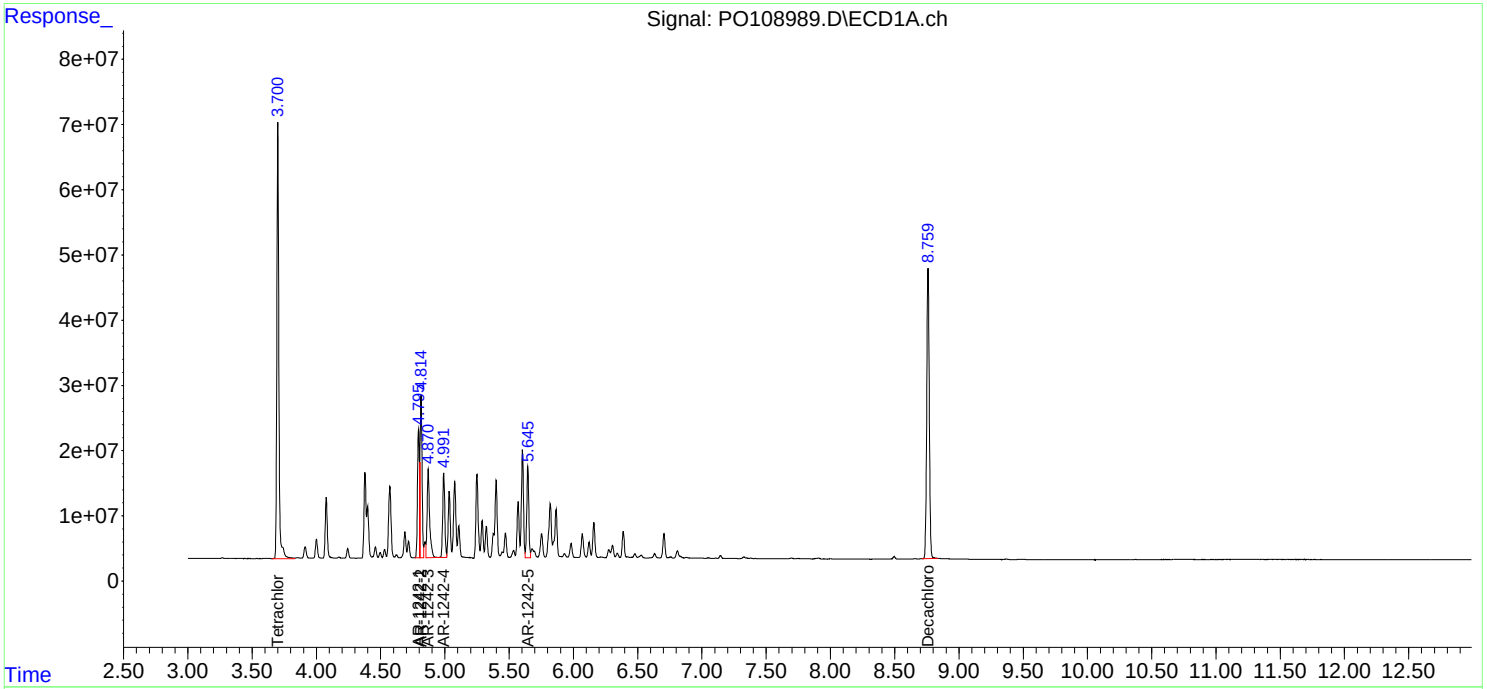
ICAL Form

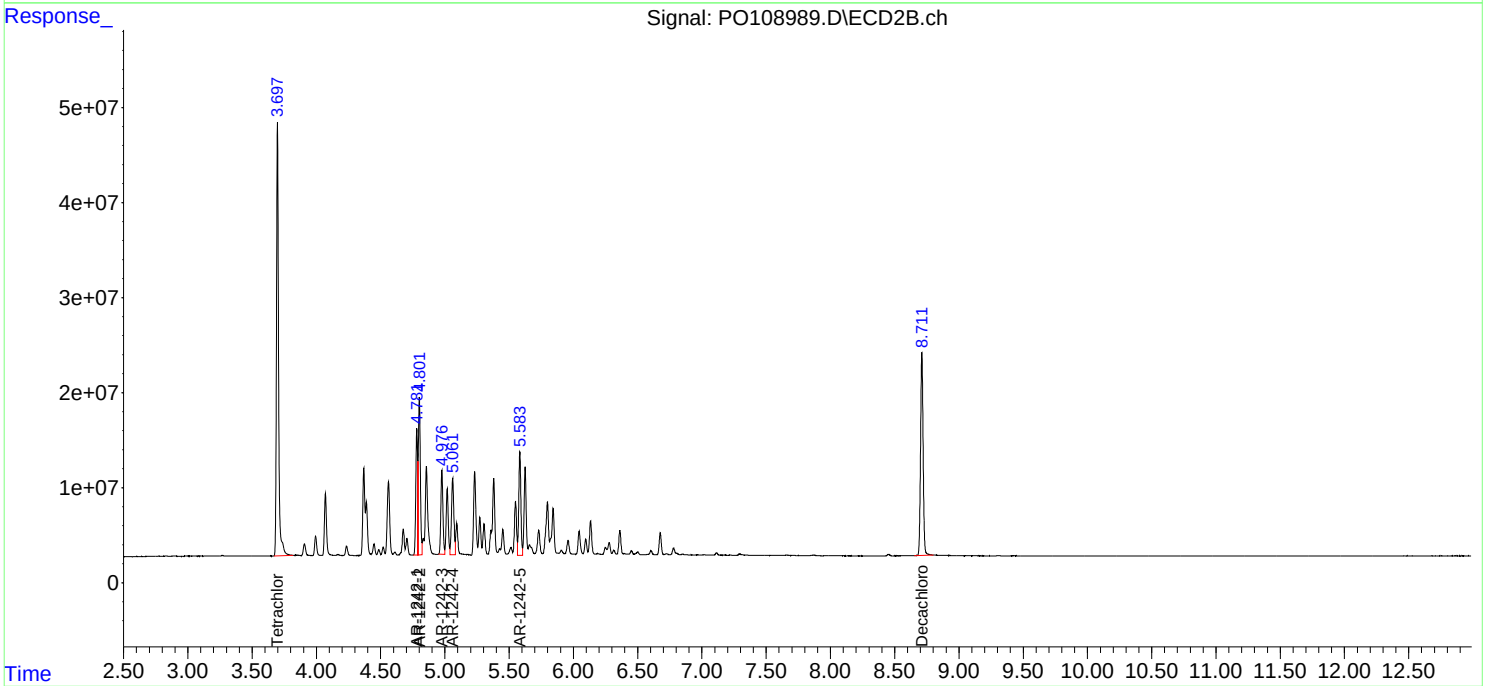
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:44
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

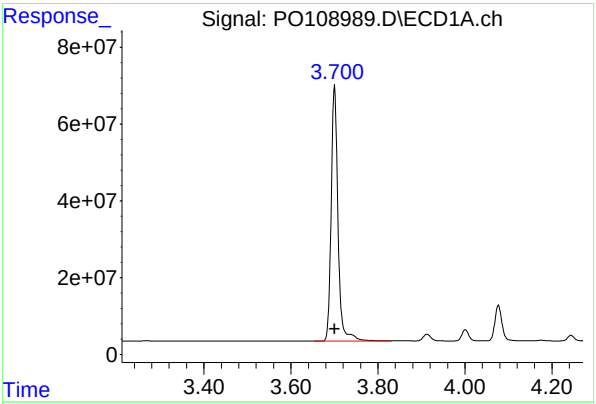
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:15:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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



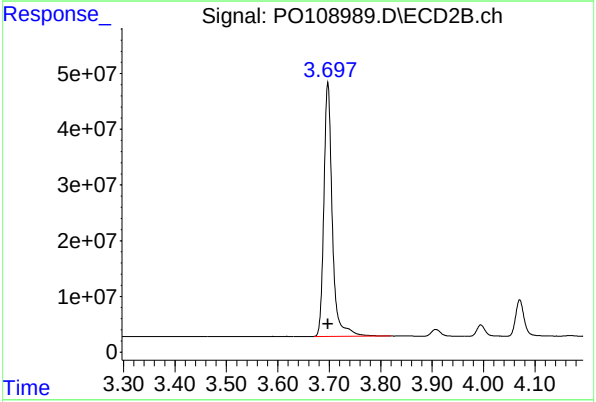




#1 Tetrachloro-m-xylene

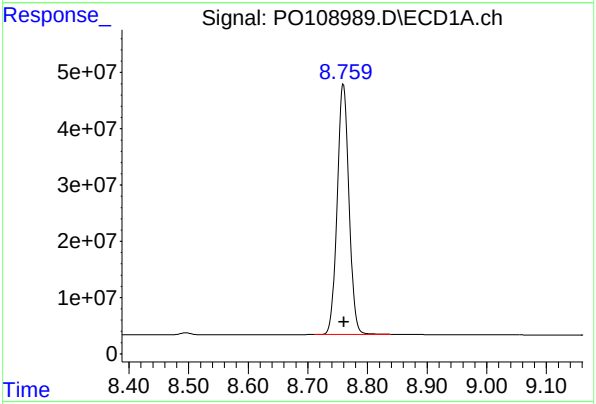
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 730283145
Conc: 94.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



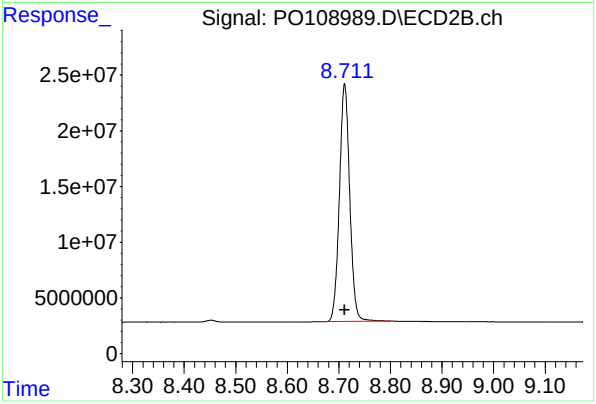
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 514630537
Conc: 94.91 ng/ml



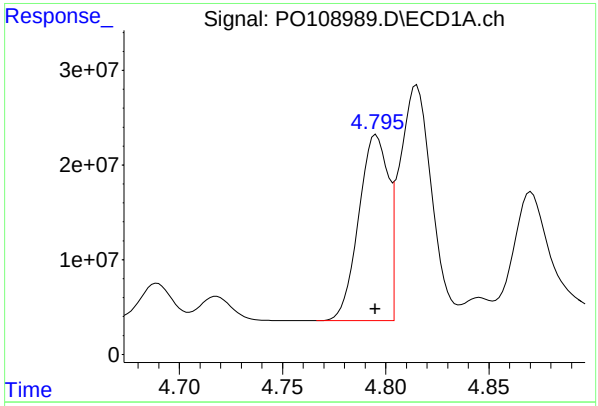
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 609375717
Conc: 92.95 ng/ml



#2 Decachlorobiphenyl

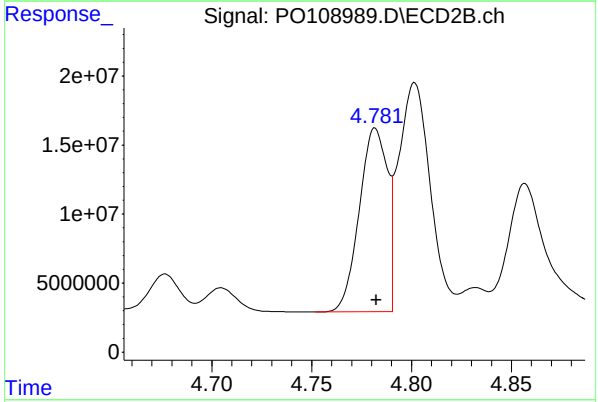
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 297592313
Conc: 91.57 ng/ml



#16 AR-1242-1

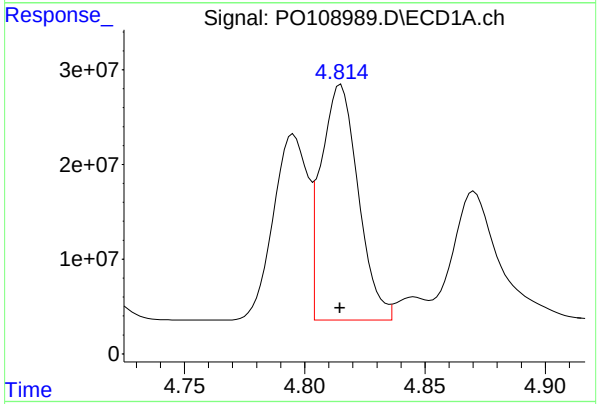
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 195196952
Conc: 910.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



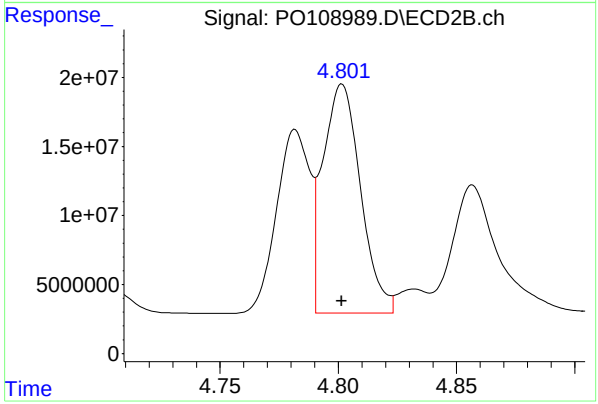
#16 AR-1242-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 130294727
Conc: 911.96 ng/ml



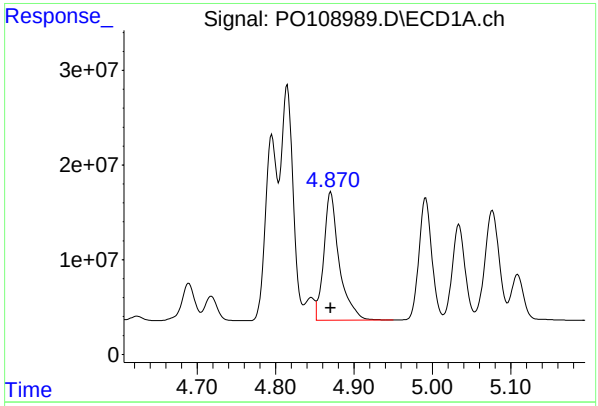
#17 AR-1242-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 268098195
Conc: 926.89 ng/ml



#17 AR-1242-2

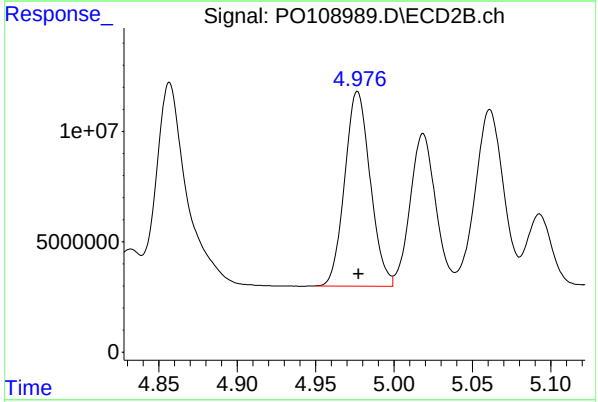
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 183791222
Conc: 923.97 ng/ml



#18 AR-1242-3

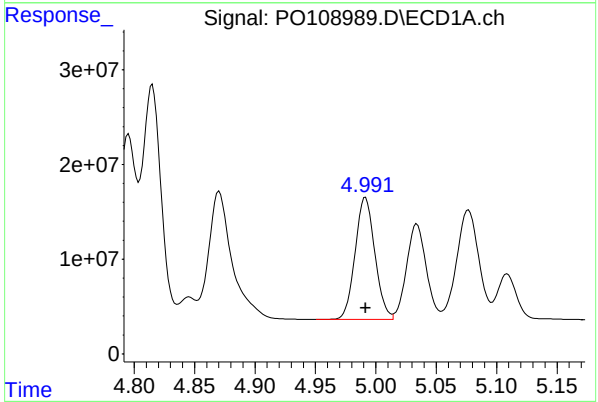
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 186201466
Conc: 901.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



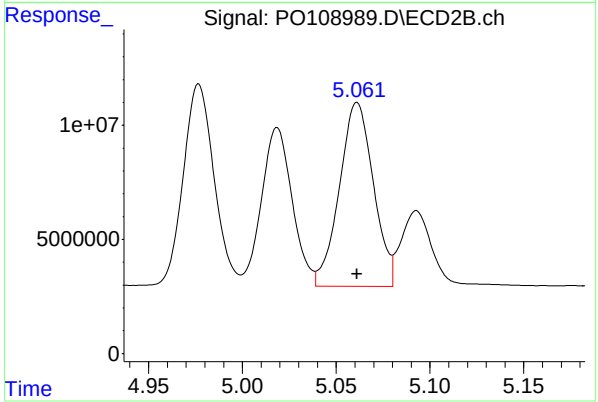
#18 AR-1242-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 100083291
Conc: 904.29 ng/ml



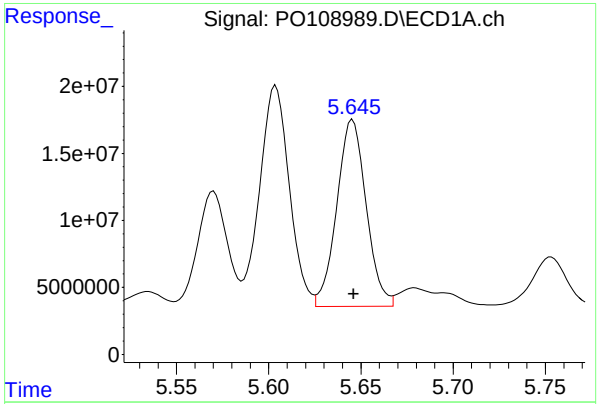
#19 AR-1242-4

R.T.: 4.991 min
Delta R.T.: 0.000 min
Response: 146339247
Conc: 912.25 ng/ml



#19 AR-1242-4

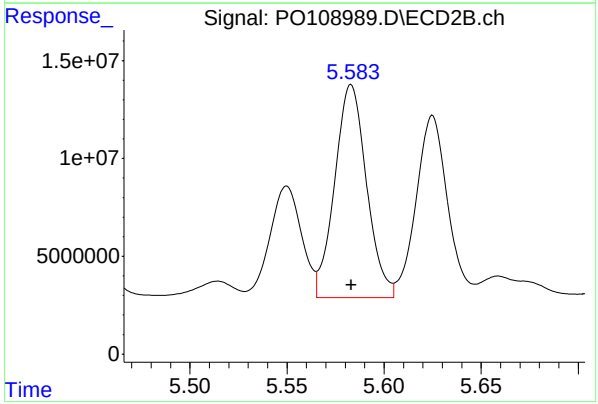
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 101694040
Conc: 889.38 ng/ml



#20 AR-1242-5

R.T.: 5.645 min
Delta R.T.: 0.000 min
Response: 154300112
Conc: 918.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 124175329
Conc: 913.76 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:02
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: Jan 22 00:15:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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...	3.700	3.697	562.2E6	395.2E6	73.053	72.883
2)	SA Decachlor...	8.761	8.711	470.5E6	232.8E6	71.765	71.637
	Target Compounds						
16)	L4 AR-1242-1	4.795	4.782	151.0E6	101.7E6	704.801	711.471
17)	L4 AR-1242-2	4.815	4.802	209.0E6	141.7E6	722.506	712.538
18)	L4 AR-1242-3	4.871	4.977	146.0E6	78042866	707.390	705.144
19)	L4 AR-1242-4	4.992	5.061	114.3E6	80053144	712.703	700.119
20)	L4 AR-1242-5	5.647	5.583	118.9E6	96033799	708.101	706.674

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

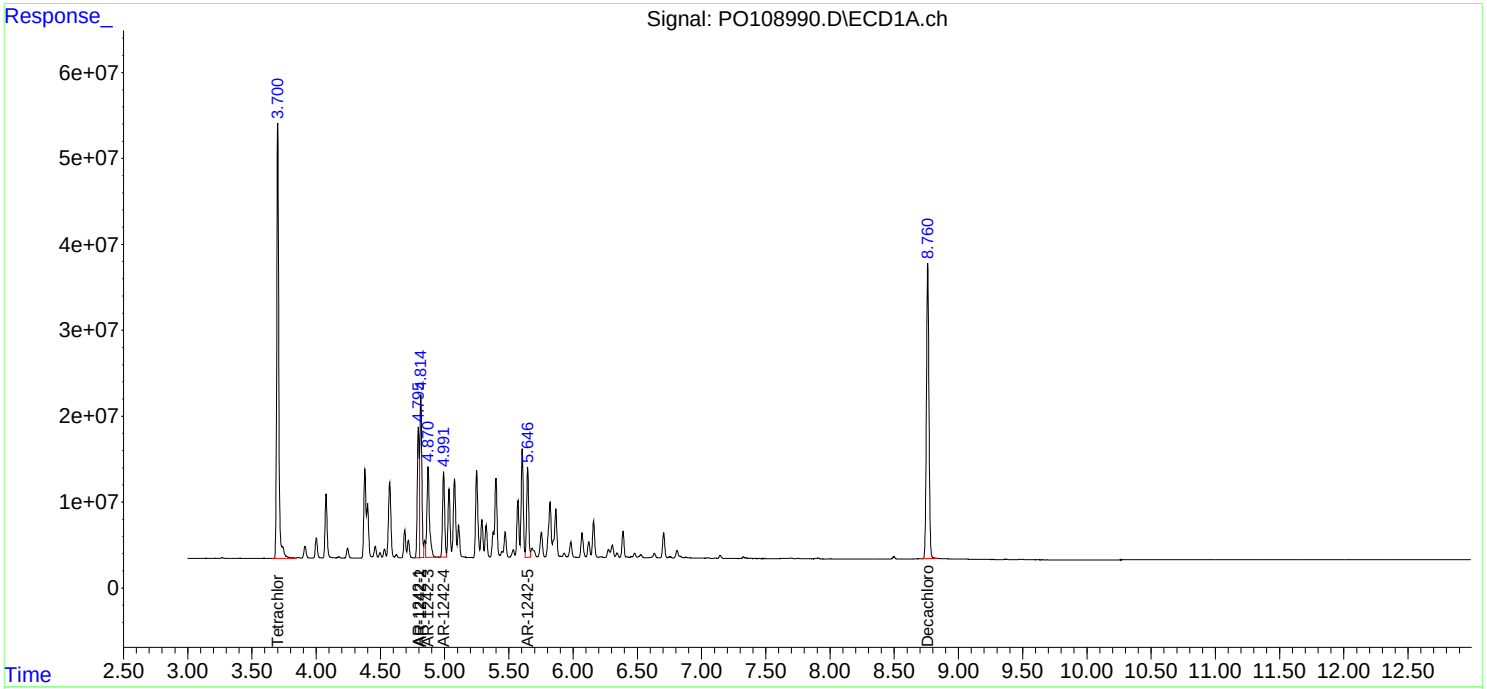
ICAL Form

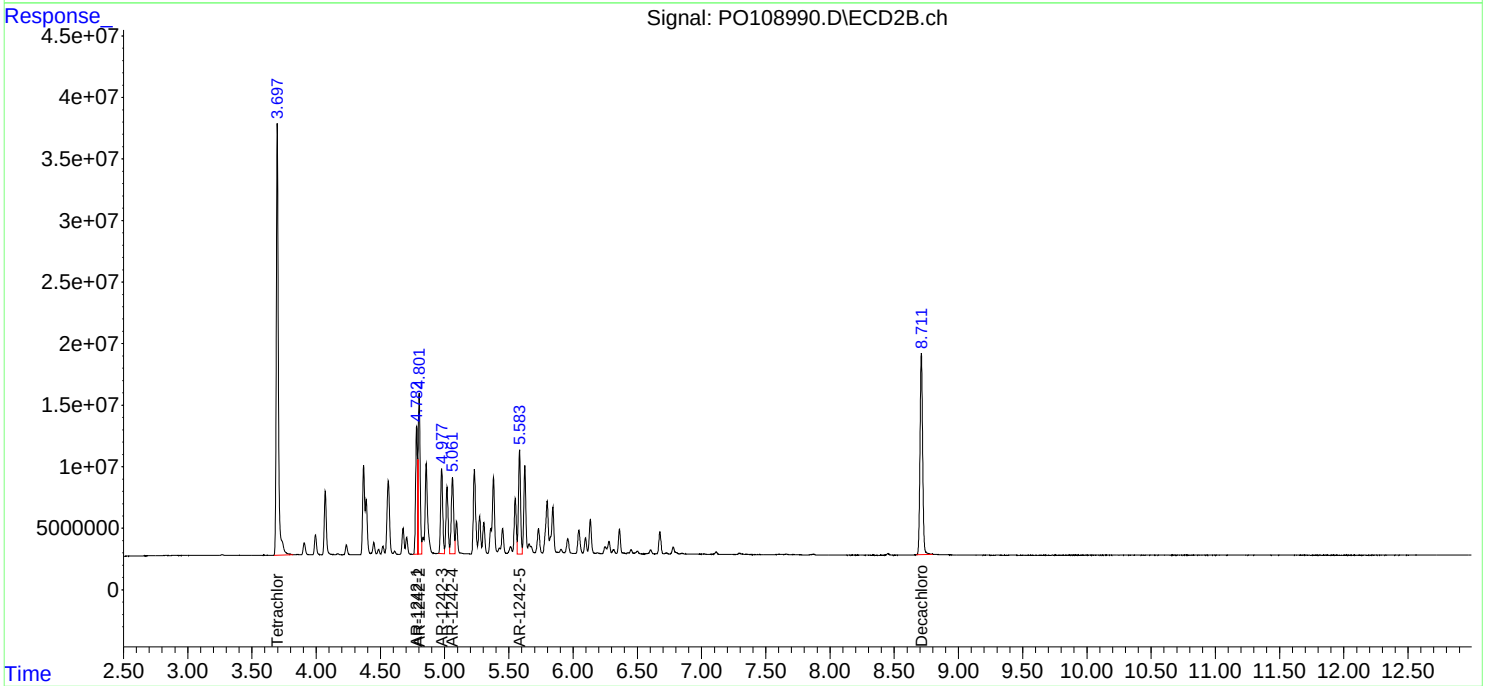
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:02
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

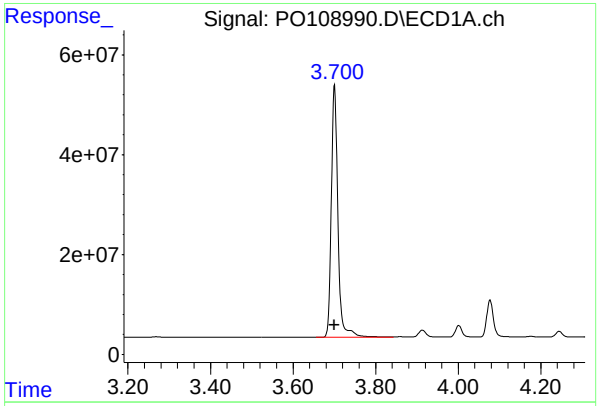
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:15:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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



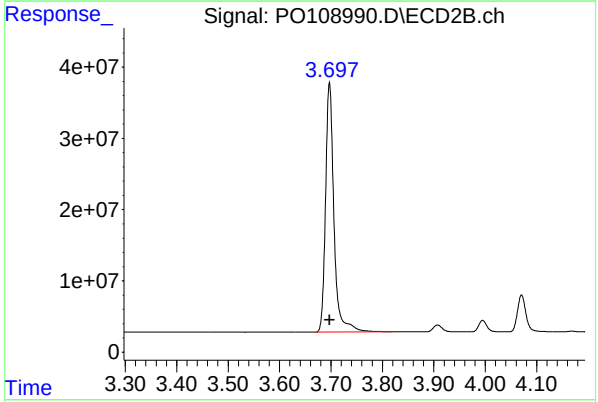




#1 Tetrachloro-m-xylene

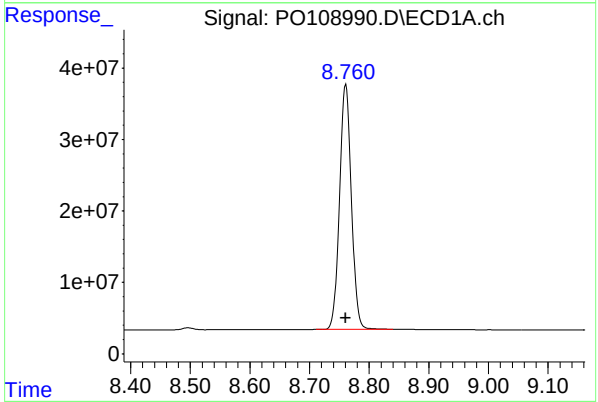
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 562238705
Conc: 73.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



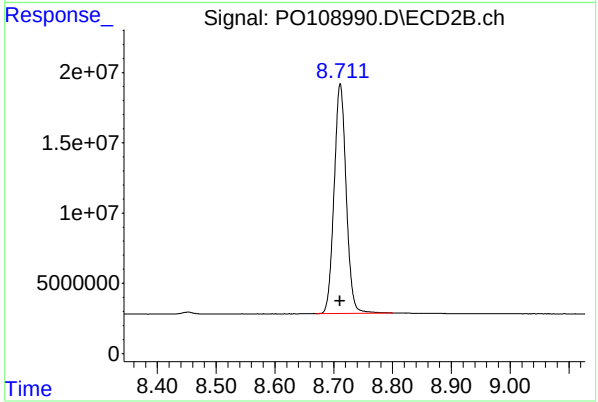
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 395204187
Conc: 72.88 ng/ml



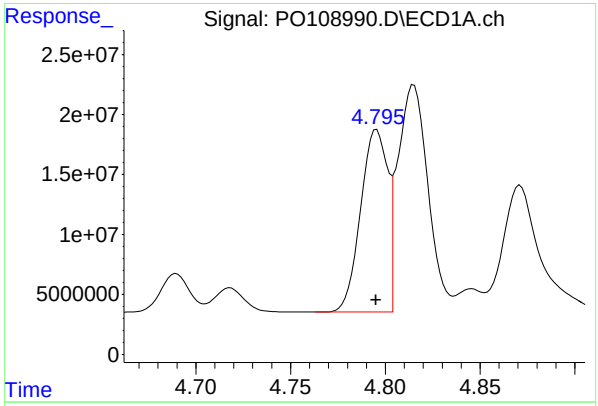
#2 Decachlorobiphenyl

R.T.: 8.761 min
Delta R.T.: 0.000 min
Response: 470487230
Conc: 71.76 ng/ml



#2 Decachlorobiphenyl

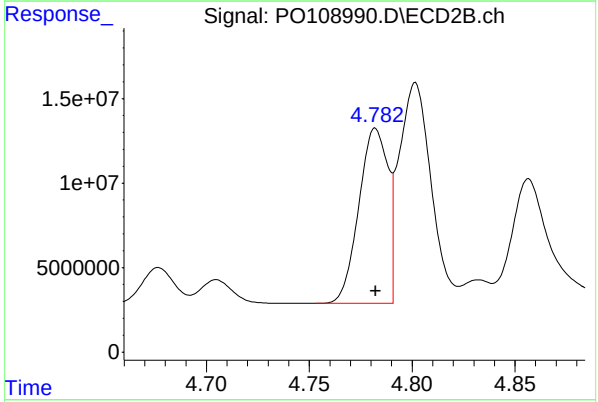
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 232803088
Conc: 71.64 ng/ml



#16 AR-1242-1

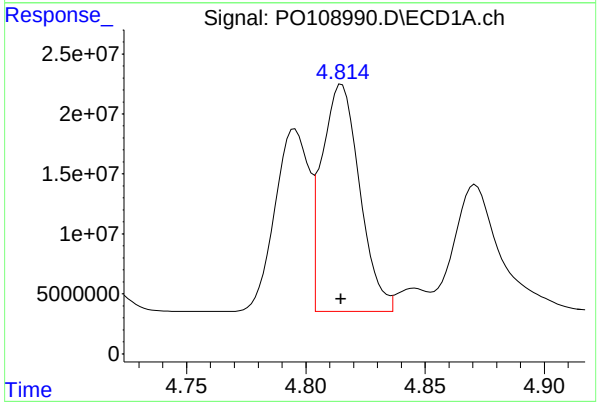
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 151042431
Conc: 704.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



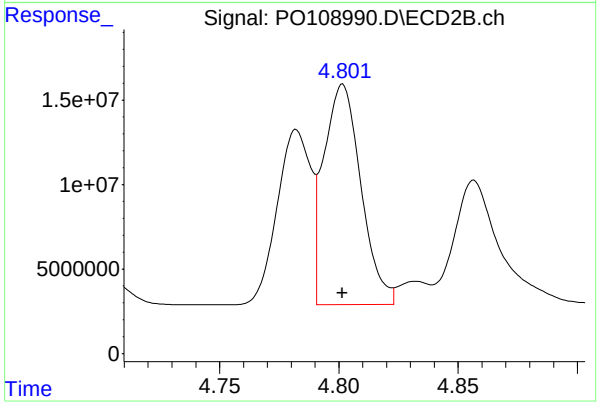
#16 AR-1242-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 101650649
Conc: 711.47 ng/ml



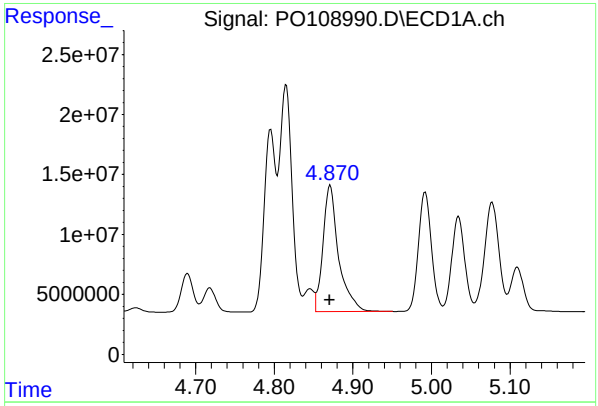
#17 AR-1242-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 208981285
Conc: 722.51 ng/ml



#17 AR-1242-2

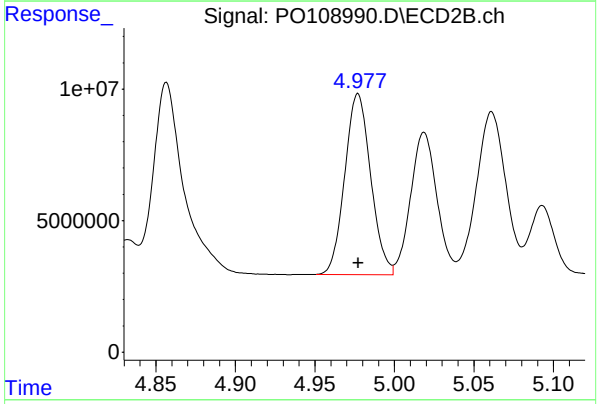
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 141733778
Conc: 712.54 ng/ml



#18 AR-1242-3

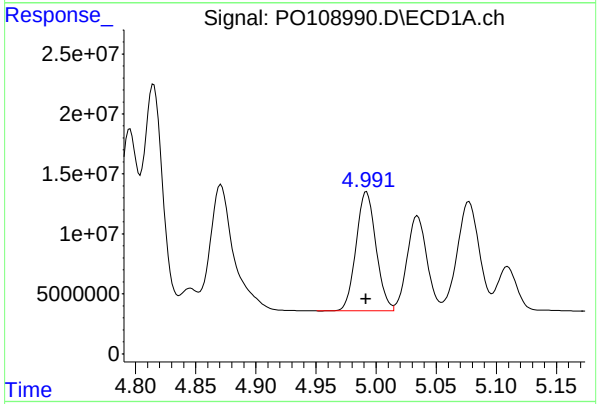
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 146033967
Conc: 707.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



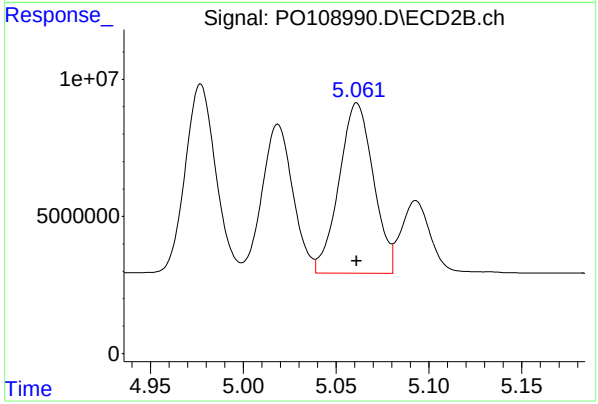
#18 AR-1242-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 78042866
Conc: 705.14 ng/ml



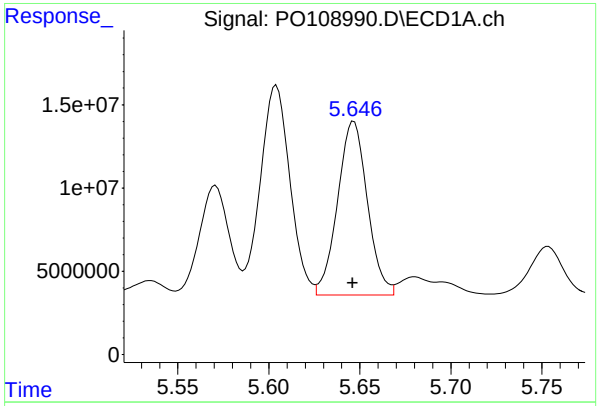
#19 AR-1242-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 114328627
Conc: 712.70 ng/ml



#19 AR-1242-4

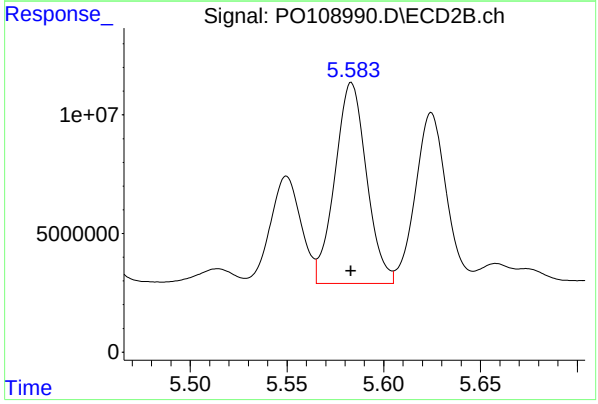
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 80053144
Conc: 700.12 ng/ml



#20 AR-1242-5

R.T.: 5.647 min
Delta R.T.: 0.000 mi
Response: 118935182
Conc: 708.10 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 96033799
Conc: 706.67 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:21
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: Jan 22 00:16:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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...	3.700	3.697	384.8E6	271.1E6	50.000	50.000
2)	SA Decachlor...	8.760	8.711	327.8E6	162.5E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.795	4.782	107.2E6	71436929	500.000	500.000
17)	L4 AR-1242-2	4.815	4.801	144.6E6	99456965	500.000	500.000
18)	L4 AR-1242-3	4.870	4.977	103.2E6	55338225	500.000	500.000
19)	L4 AR-1242-4	4.992	5.061	80207781	57171096	500.000	500.000
20)	L4 AR-1242-5	5.646	5.583	83981816	67947784	500.000	500.000

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

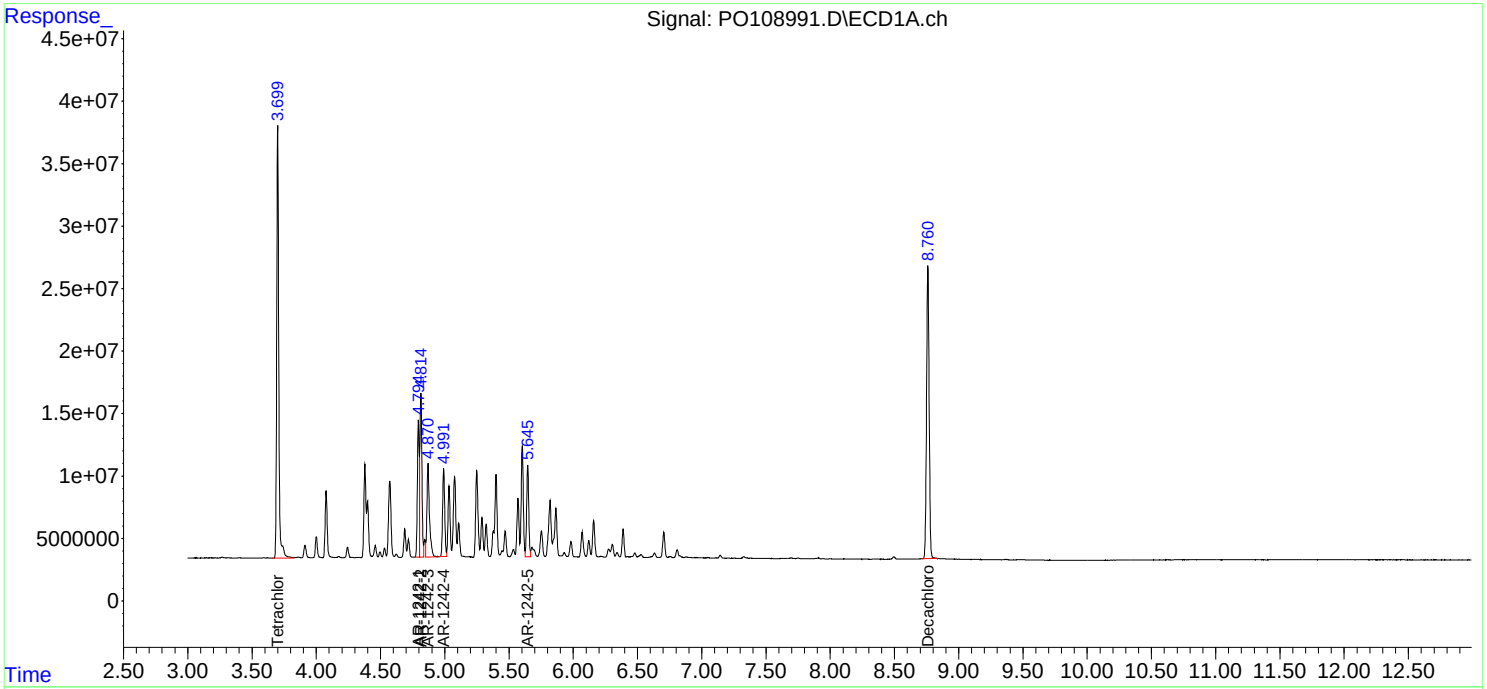
ICAL Form

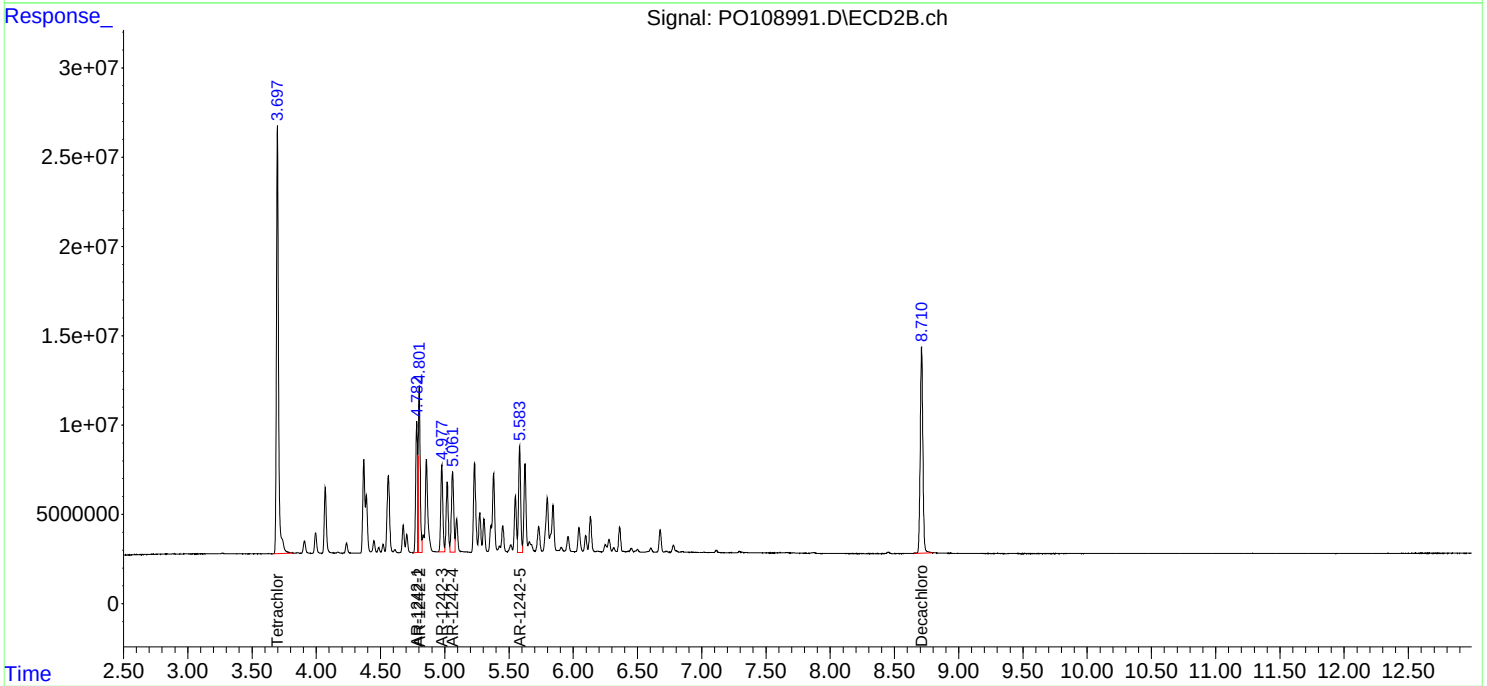
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:21
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

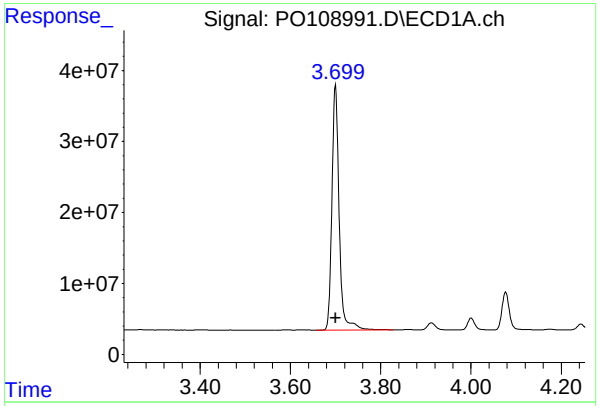
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:16:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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



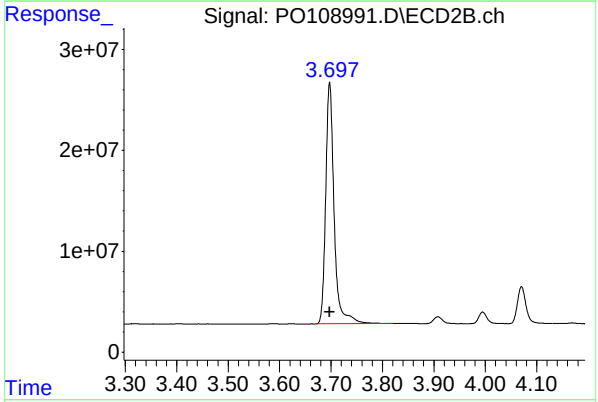




#1 Tetrachloro-m-xylene

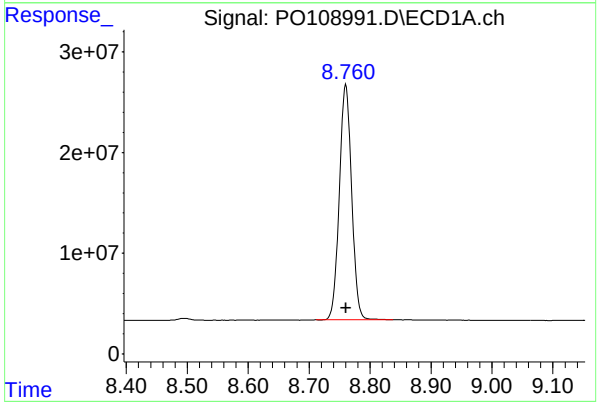
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 384817490
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



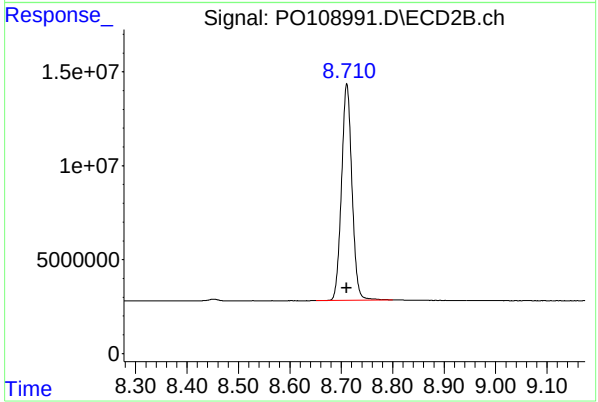
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 271121252
Conc: 50.00 ng/ml



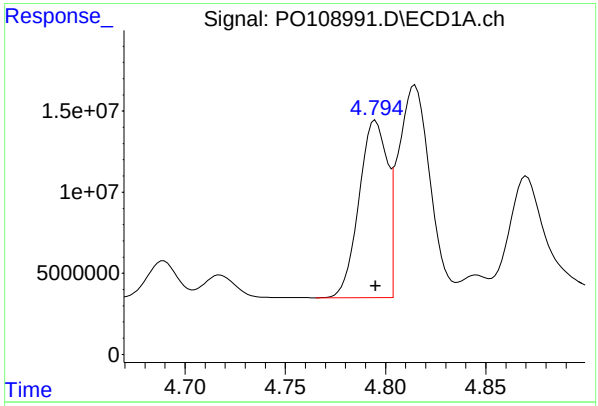
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 327798490
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

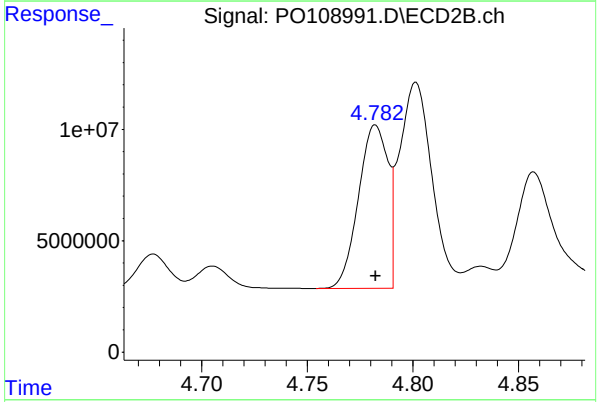
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 162486896
Conc: 50.00 ng/ml



#16 AR-1242-1

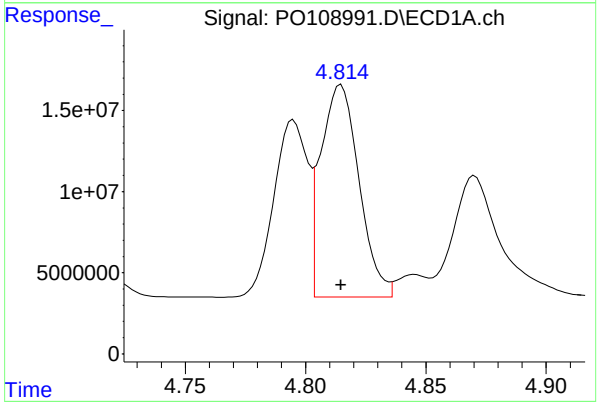
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 107152493
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



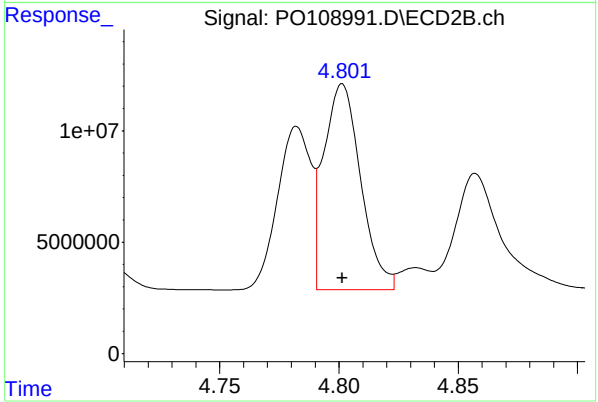
#16 AR-1242-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 71436929
Conc: 500.00 ng/ml



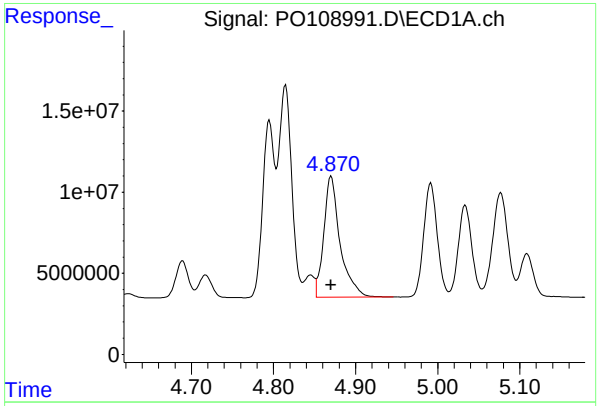
#17 AR-1242-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 144622436
Conc: 500.00 ng/ml



#17 AR-1242-2

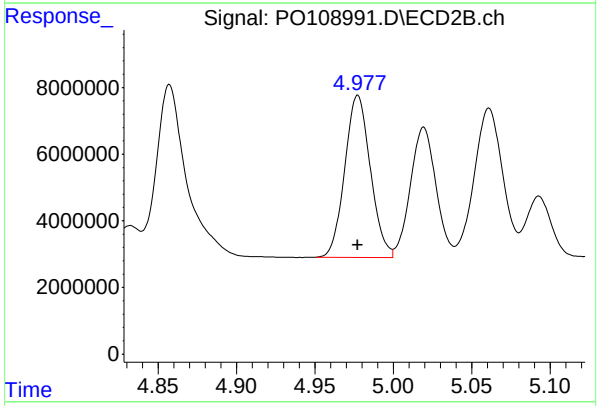
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 99456965
Conc: 500.00 ng/ml



#18 AR-1242-3

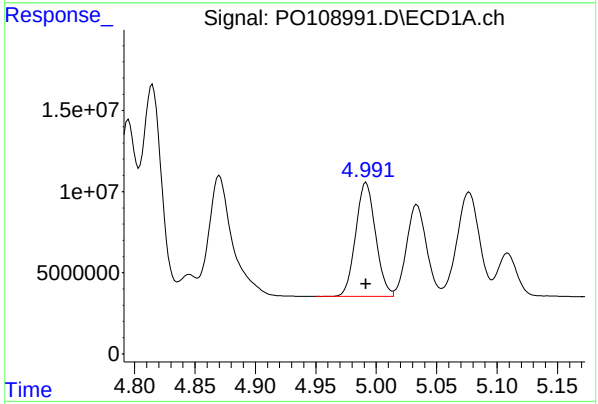
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 103220329
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



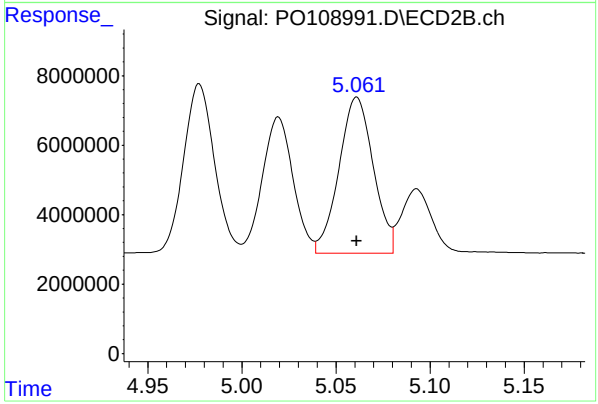
#18 AR-1242-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 55338225
Conc: 500.00 ng/ml



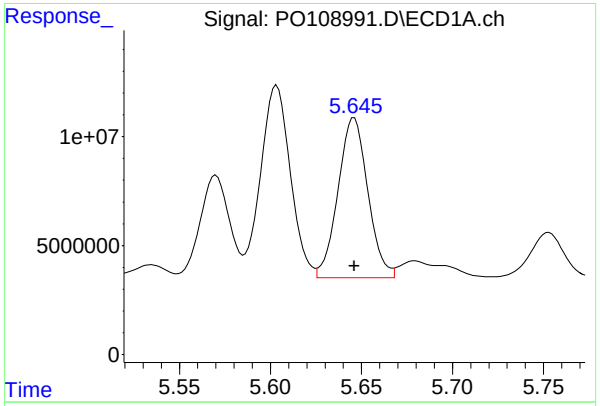
#19 AR-1242-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 80207781
Conc: 500.00 ng/ml



#19 AR-1242-4

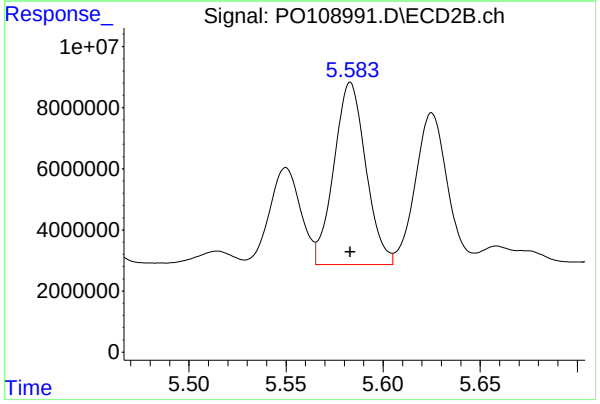
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 57171096
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 5.646 min
Delta R.T.: 0.000 mi
Response: 83981816
Conc: 500.00 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 67947784
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:39
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: Jan 22 00:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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...	3.701	3.697	186.3E6	136.3E6	24.206	25.138
2)	SA Decachlor...	8.760	8.712	171.8E6	86119052	26.209	26.500
	Target Compounds						
16)	L4 AR-1242-1	4.795	4.782	56500980	37847473	263.648	264.901
17)	L4 AR-1242-2	4.815	4.801	76017956	51772477	262.815	260.276
18)	L4 AR-1242-3	4.871	4.977	55207672	29004573	267.426	262.066
19)	L4 AR-1242-4	4.992	5.061	42559399	30861857	265.307	269.908
20)	L4 AR-1242-5	5.646	5.582	44600435	36314062	265.536	267.220

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

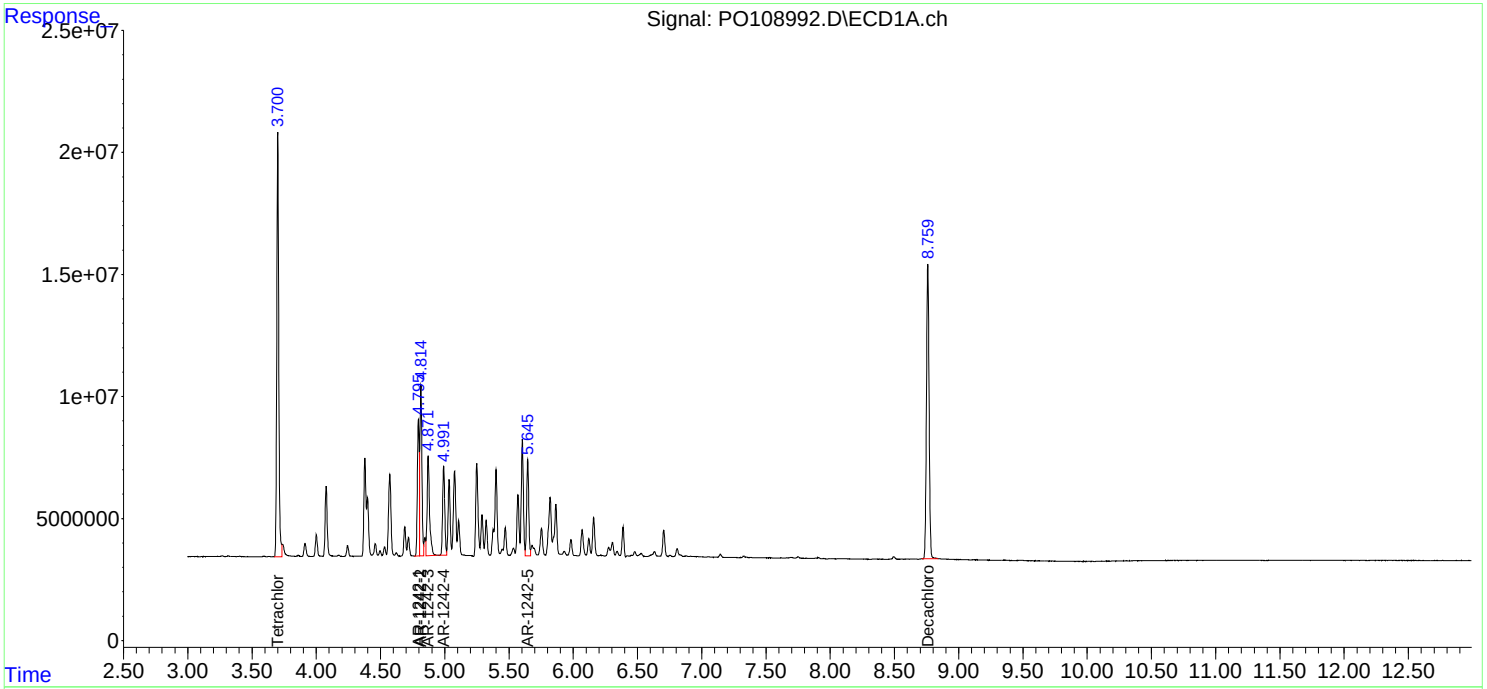
ICAL Form

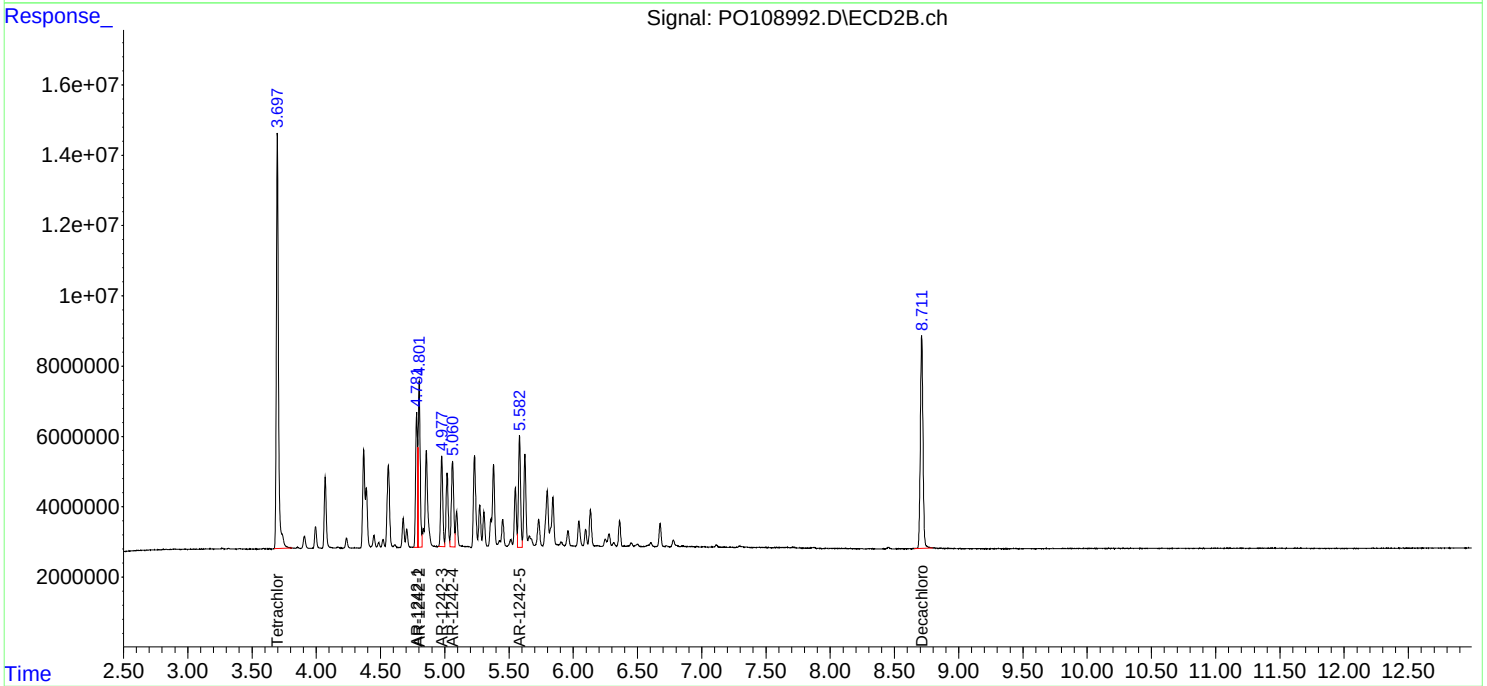
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:39
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

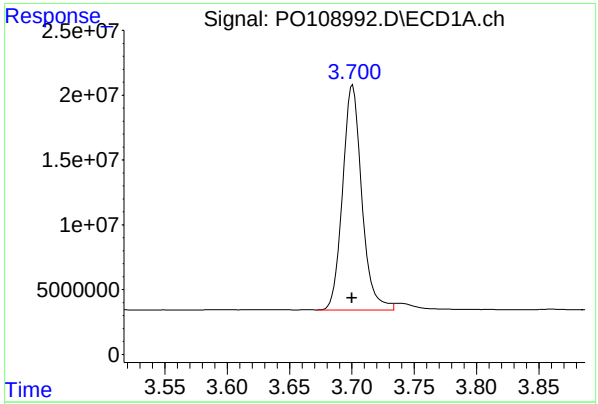
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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



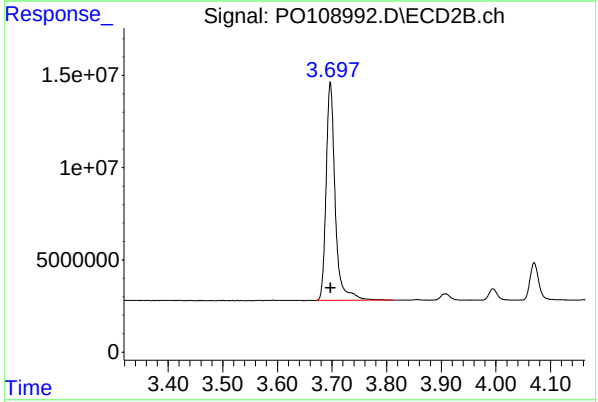




#1 Tetrachloro-m-xylene

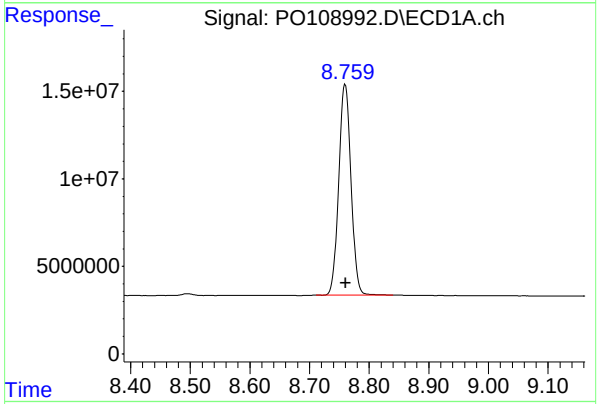
R.T.: 3.701 min
Delta R.T.: 0.000 min
Response: 186294503
Conc: 24.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



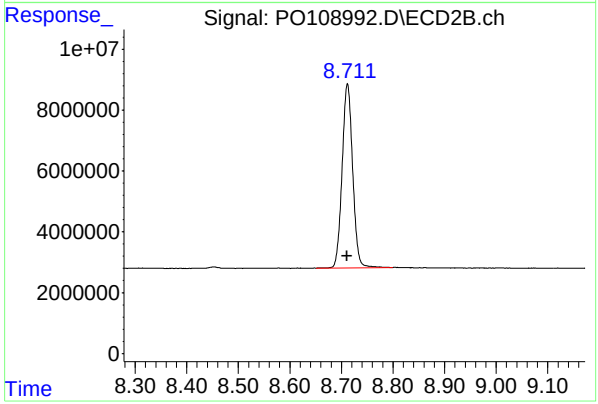
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 136306672
Conc: 25.14 ng/ml



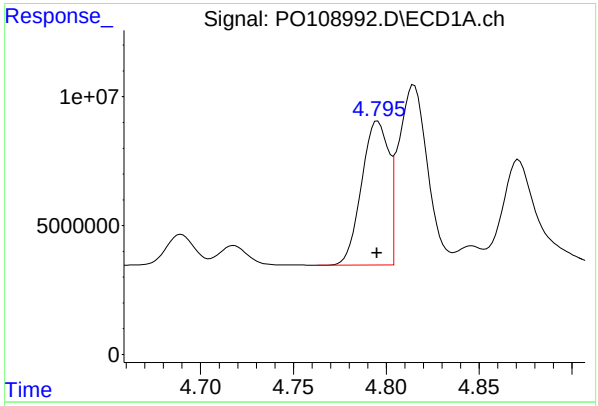
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 171826256
Conc: 26.21 ng/ml



#2 Decachlorobiphenyl

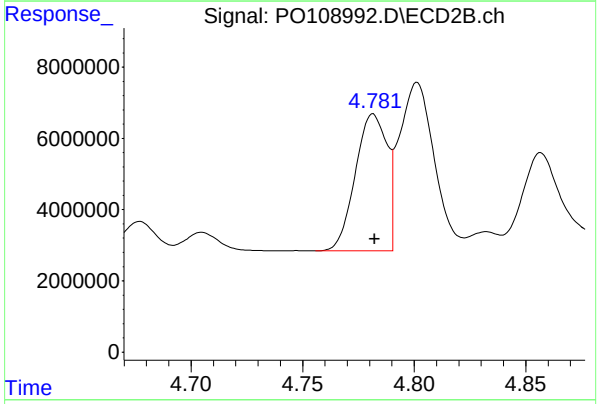
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 86119052
Conc: 26.50 ng/ml



#16 AR-1242-1

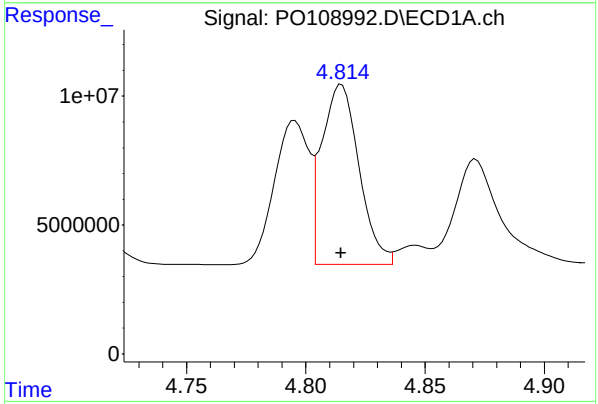
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 56500980
Conc: 263.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



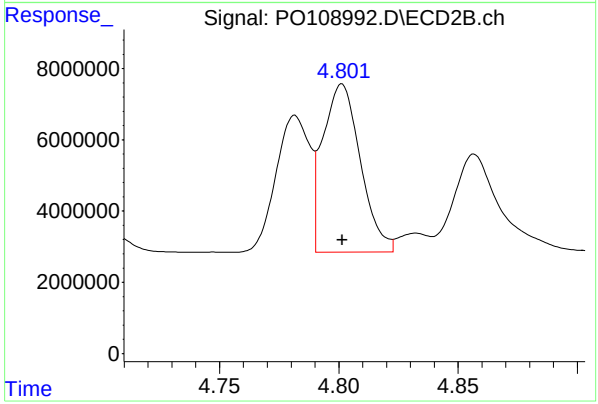
#16 AR-1242-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 37847473
Conc: 264.90 ng/ml



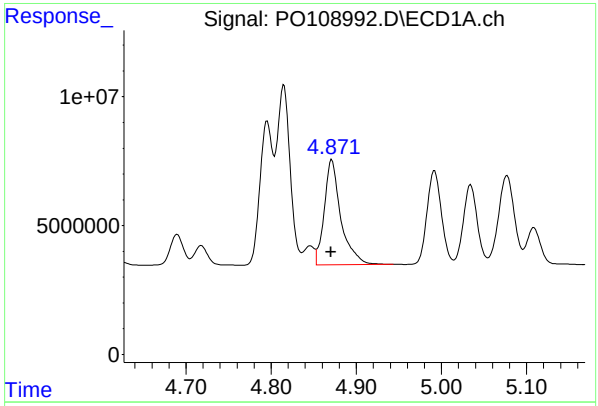
#17 AR-1242-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 76017956
Conc: 262.82 ng/ml



#17 AR-1242-2

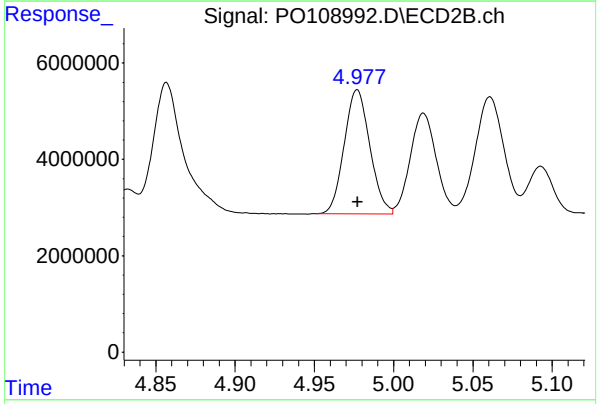
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 51772477
Conc: 260.28 ng/ml



#18 AR-1242-3

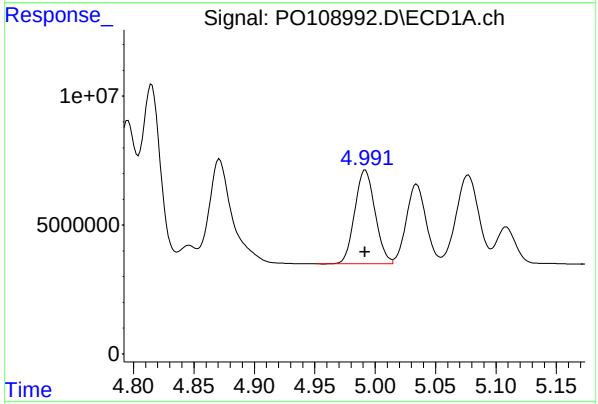
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 55207672
Conc: 267.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



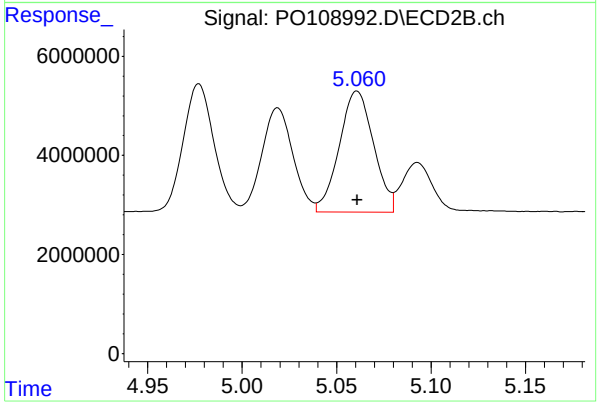
#18 AR-1242-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 29004573
Conc: 262.07 ng/ml



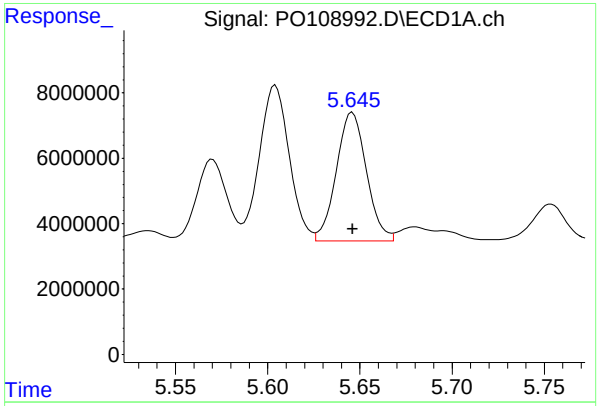
#19 AR-1242-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 42559399
Conc: 265.31 ng/ml



#19 AR-1242-4

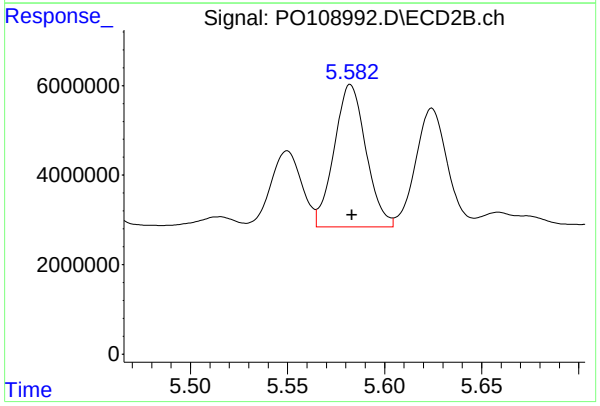
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 30861857
Conc: 269.91 ng/ml



#20 AR-1242-5

R.T.: 5.646 min
Delta R.T.: 0.000 mi
Response: 44600435
Conc: 265.54 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 36314062
Conc: 267.22 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:57
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:16:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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...	3.698	3.696	32934791	24712120	4.279m	4.557
2)	SA Decachlor...	8.759	8.710	34941101	17762519	5.330	5.466
	Target Compounds						
16)	L4 AR-1242-1	4.794	4.781	11265432	7723311	52.567	54.057
17)	L4 AR-1242-2	4.814	4.800	14678723	10365635	50.748	52.111
18)	L4 AR-1242-3	4.870	4.976	10768108	5718985	52.161	51.673
19)	L4 AR-1242-4	4.990	5.060	8245810	6099899	51.403m	53.348m
20)	L4 AR-1242-5	5.644	5.581	8795473	7528068	52.365	55.396m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:57
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

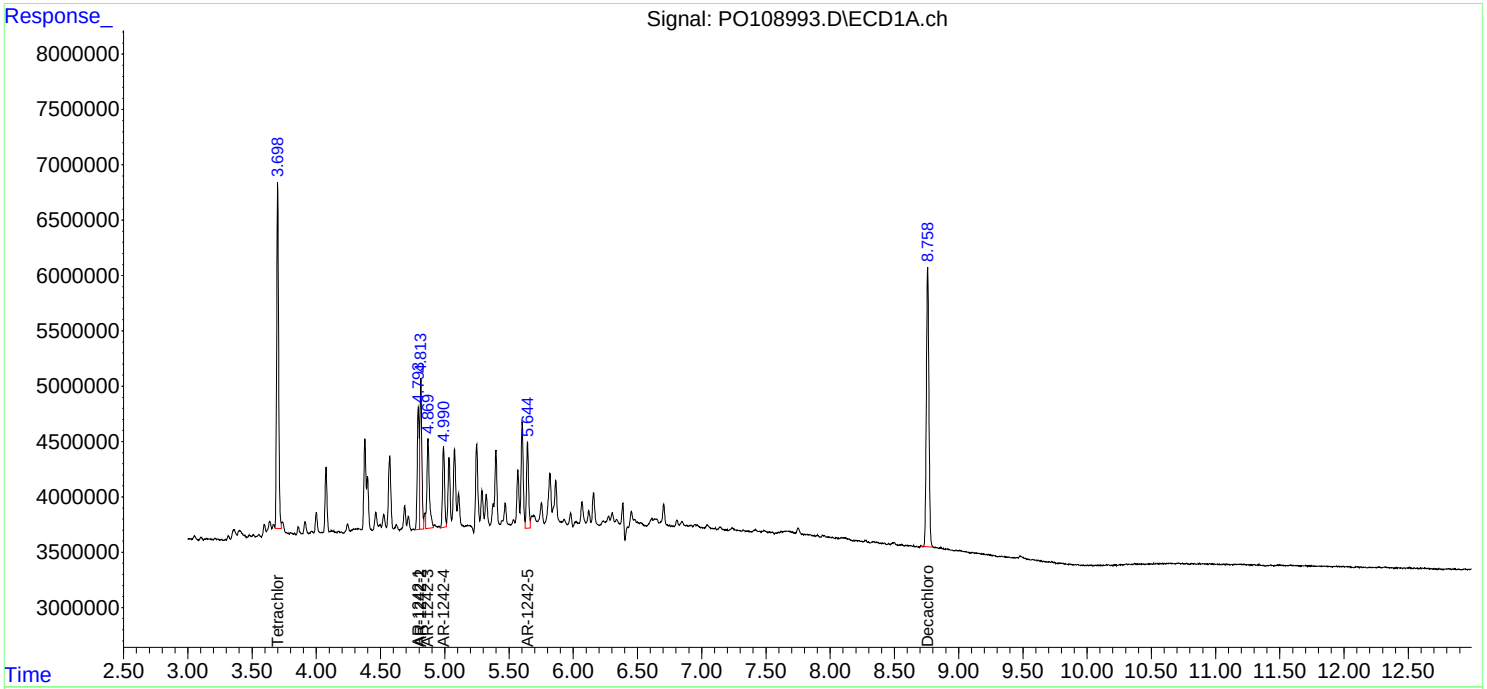
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

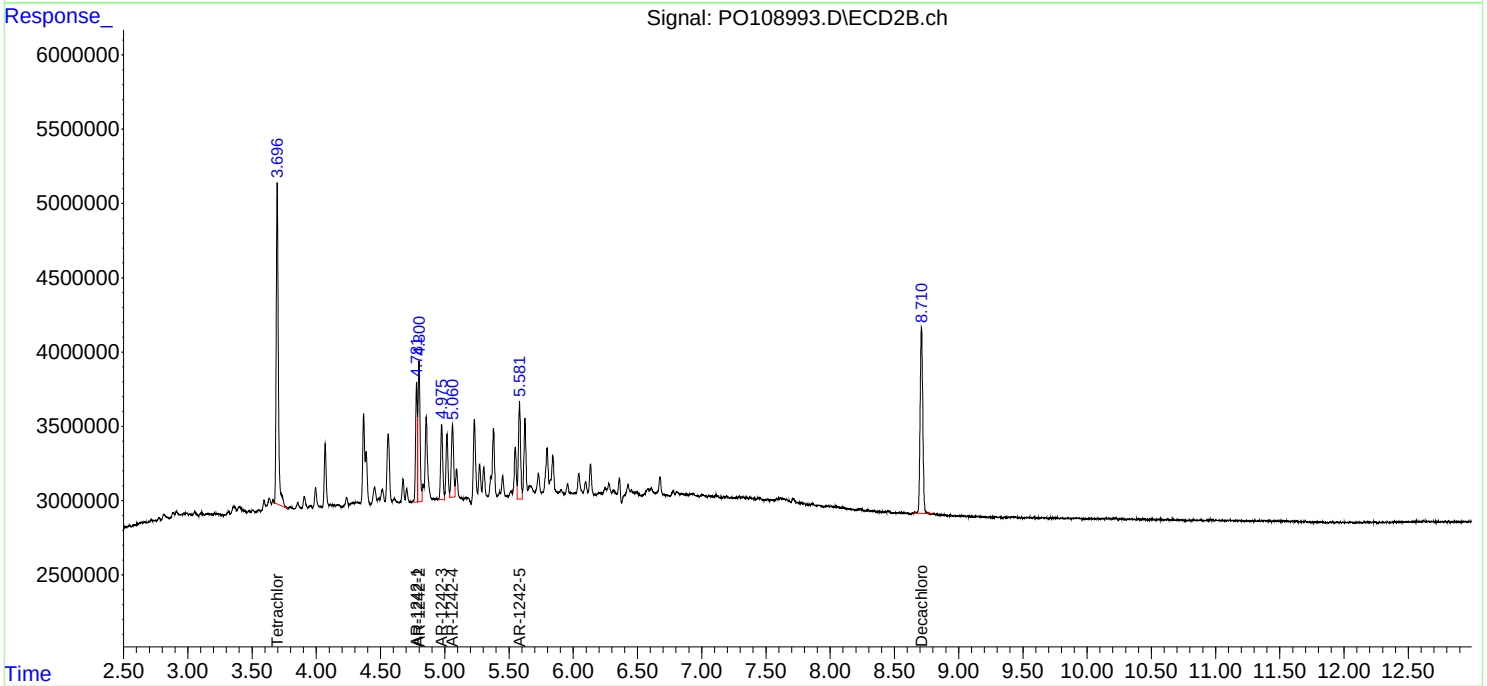
Manual Integrations APPROVED

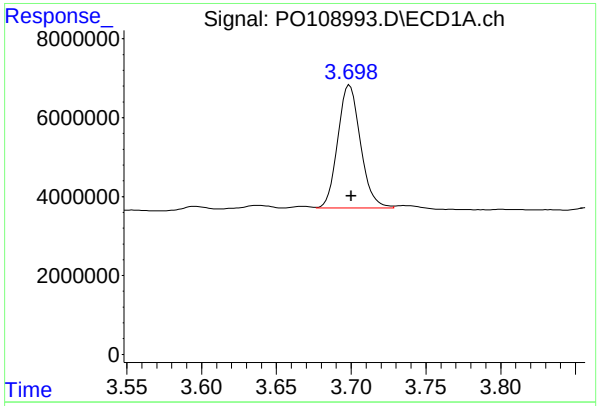
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:16:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:13:30 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







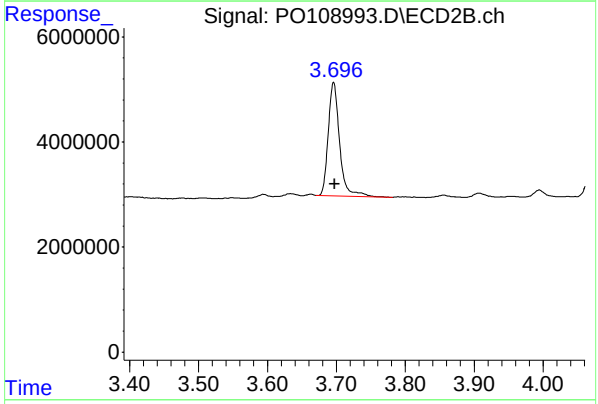
#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 32934791
Conc: 4.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

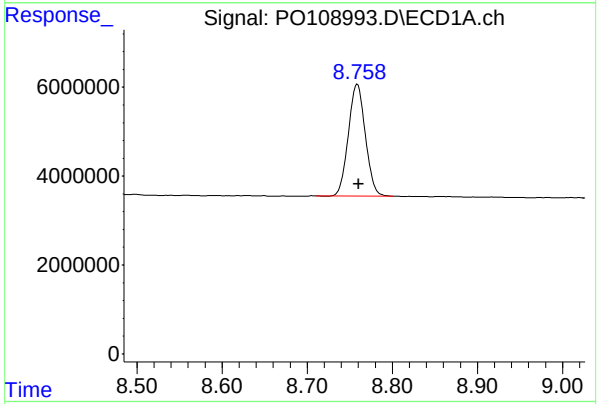
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



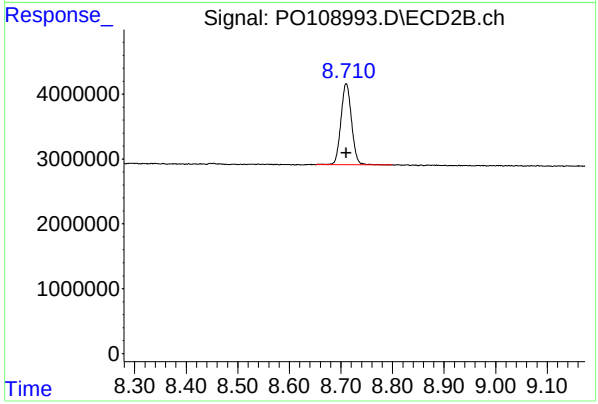
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.001 min
Response: 24712120
Conc: 4.56 ng/ml



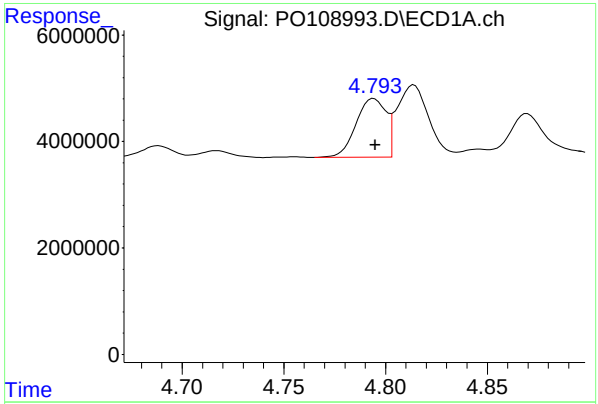
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: -0.001 min
Response: 34941101
Conc: 5.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 17762519
Conc: 5.47 ng/ml



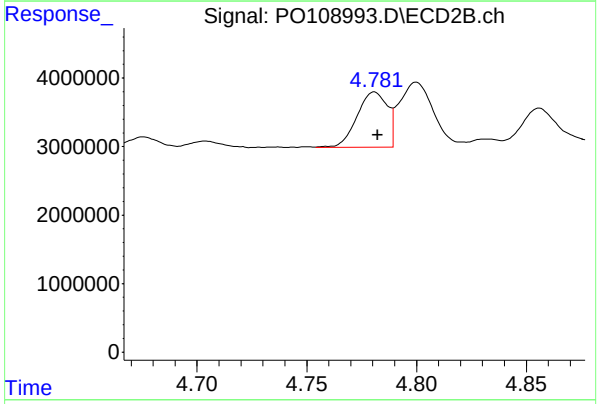
#16 AR-1242-1

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 11265432
Conc: 52.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

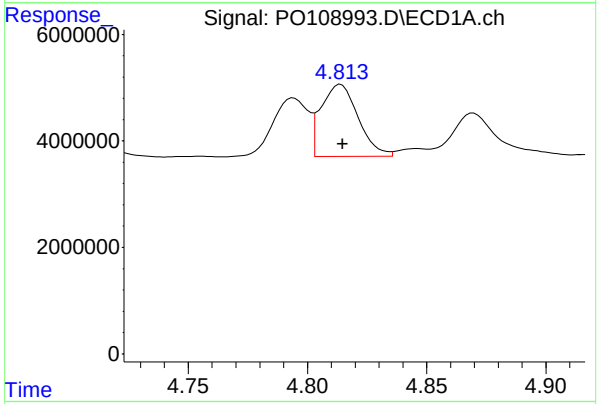
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



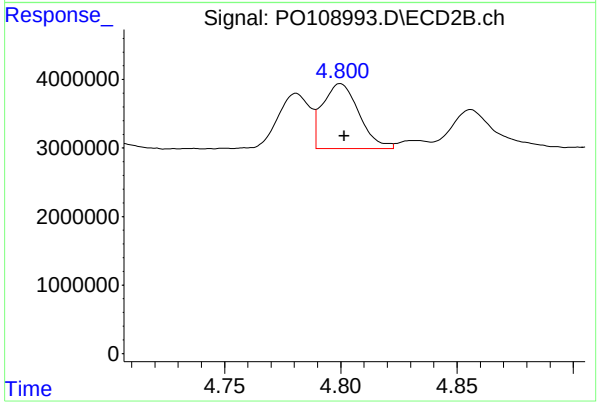
#16 AR-1242-1

R.T.: 4.781 min
Delta R.T.: -0.001 min
Response: 7723311
Conc: 54.06 ng/ml



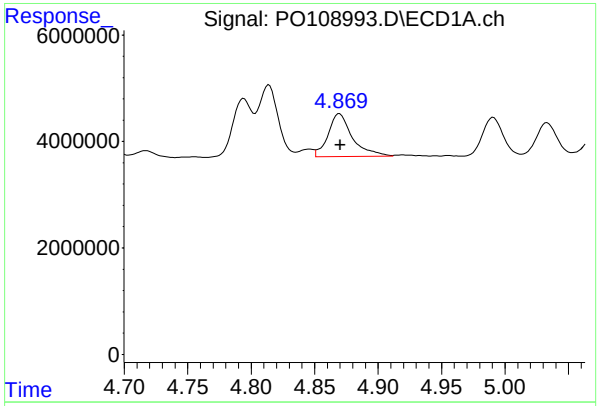
#17 AR-1242-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 14678723
Conc: 50.75 ng/ml



#17 AR-1242-2

R.T.: 4.800 min
Delta R.T.: -0.001 min
Response: 10365635
Conc: 52.11 ng/ml



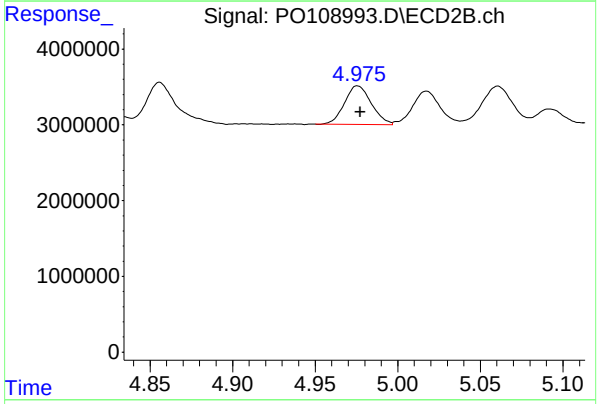
#18 AR-1242-3

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 10768108
Conc: 52.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

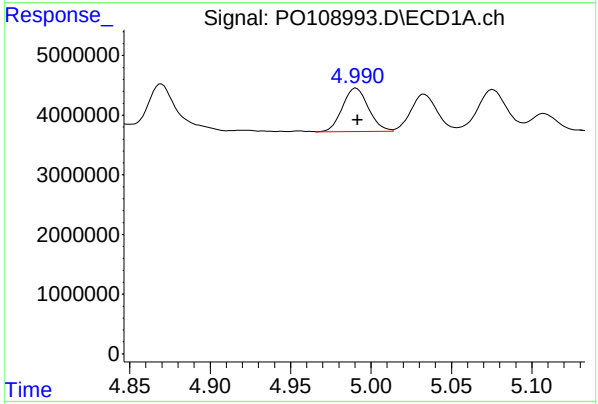


#18 AR-1242-3

R.T.: 4.976 min
Delta R.T.: -0.002 min
Response: 5718985
Conc: 51.67 ng/ml

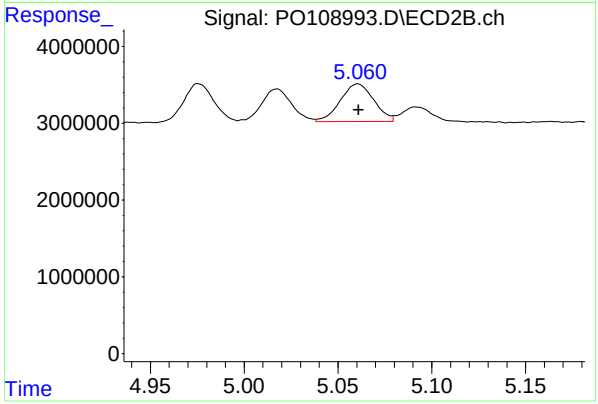
01/22/2025
Supervised By :Ankita Jodhani

01/22/2025



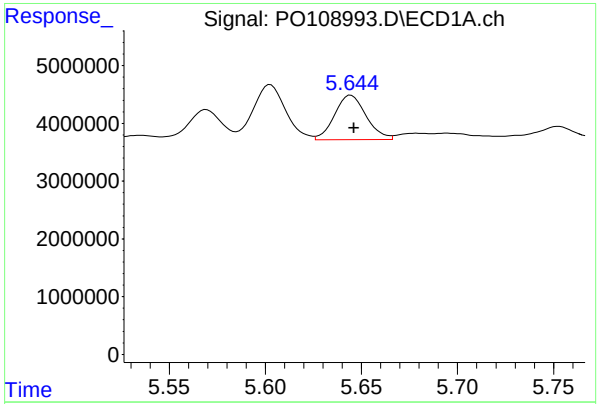
#19 AR-1242-4

R.T.: 4.990 min
Delta R.T.: -0.002 min
Response: 8245810
Conc: 51.40 ng/ml m



#19 AR-1242-4

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 6099899
Conc: 53.35 ng/ml m



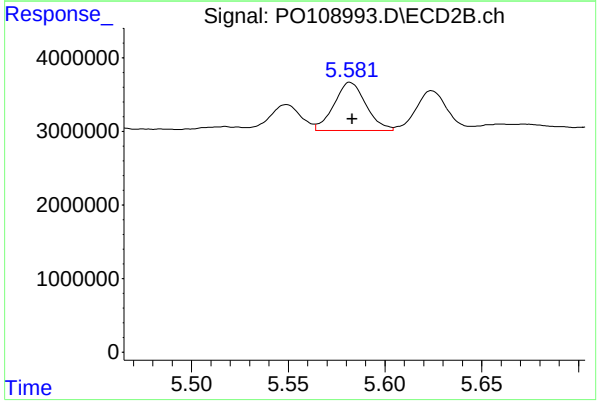
#20 AR-1242-5

R.T.: 5.644 min
Delta R.T.: -0.002 mi
Response: 8795473
Conc: 52.37 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



#20 AR-1242-5

R.T.: 5.581 min
Delta R.T.: -0.002 min
Response: 7528068
Conc: 55.40 ng/ml m

01/22/2025
Supervised By :Ankita Jodhani

01/22/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:16
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: Jan 22 00:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	718.5E6	507.3E6	95.995	96.003
2)	SA Decachlor...	8.760	8.712	607.3E6	301.0E6	92.569	92.303
	Target Compounds						
21)	L5 AR-1248-1	4.795	4.781	145.2E6	97508588	920.560	915.227
22)	L5 AR-1248-2	5.033	5.019	197.3E6	136.0E6	900.906	896.764
23)	L5 AR-1248-3	5.249	5.061	248.2E6	146.0E6	916.874	904.152
24)	L5 AR-1248-4	5.604	5.232	351.6E6	171.7E6	927.134	913.959
25)	L5 AR-1248-5	5.646	5.624	245.7E6	167.8E6	935.373	932.078

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

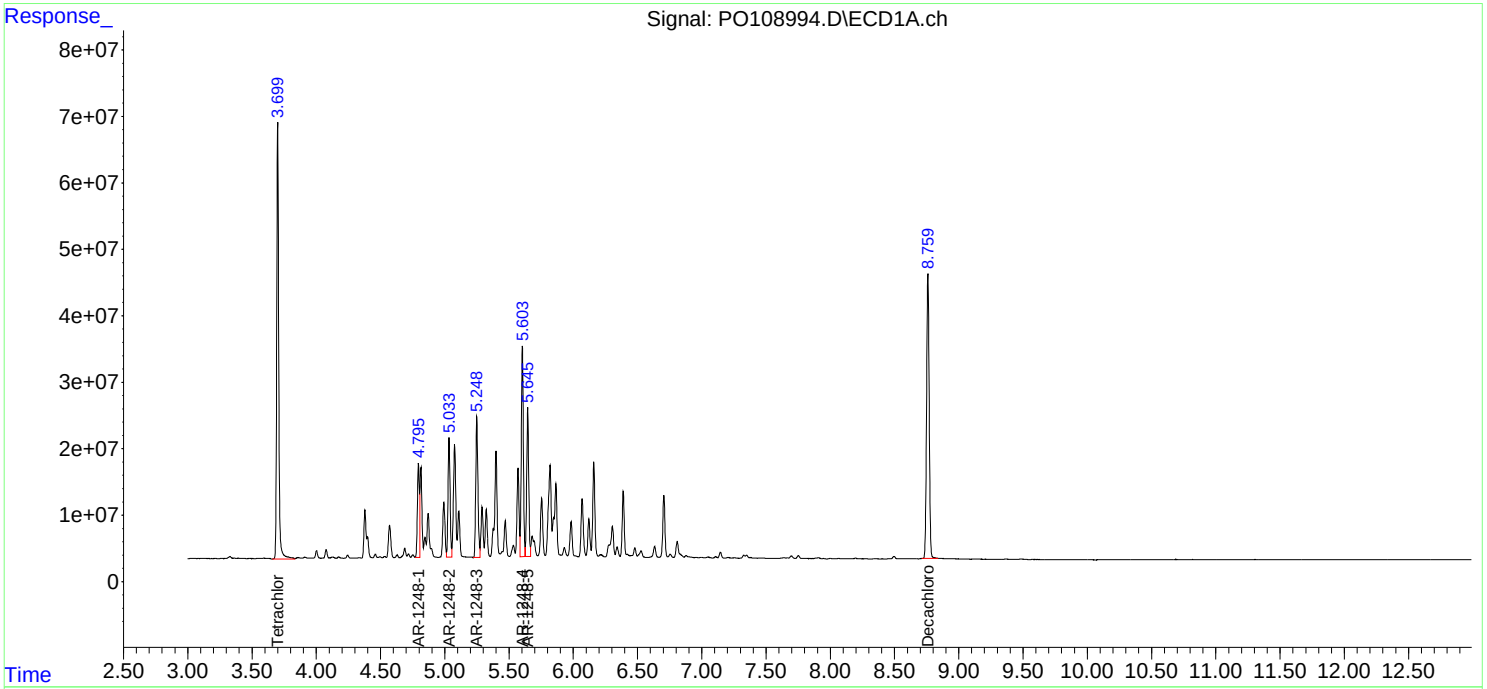
ICAL Form

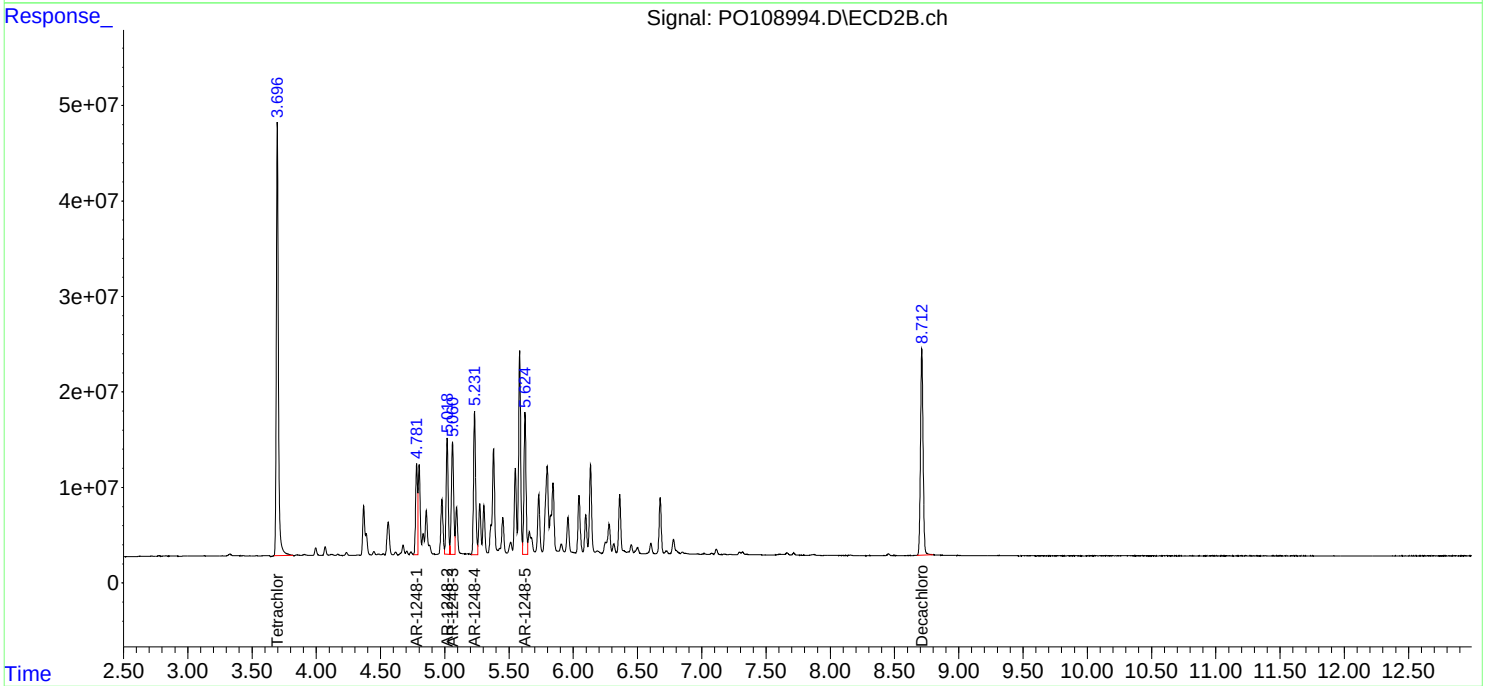
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:16
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

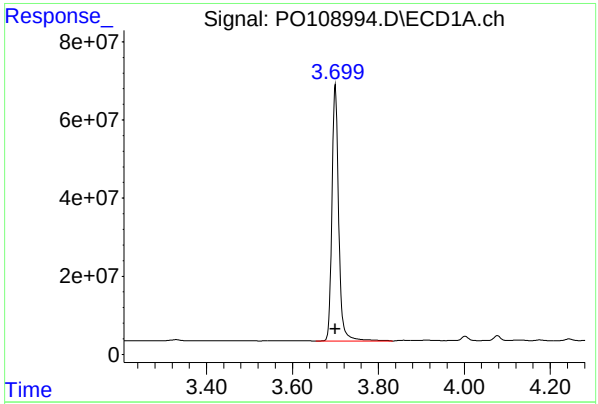
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



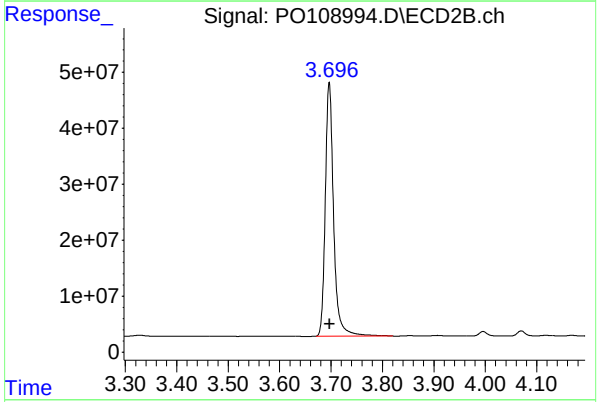




#1 Tetrachloro-m-xylene

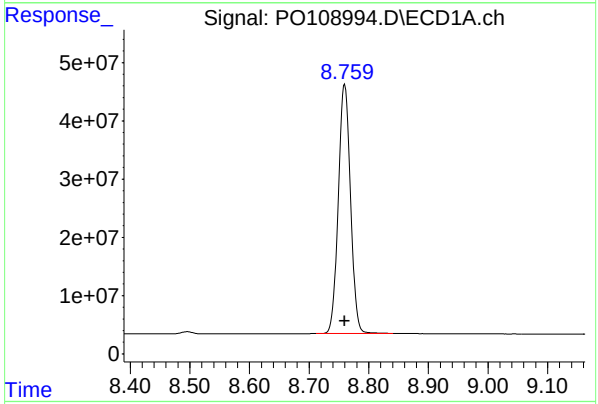
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 718459392
Conc: 95.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



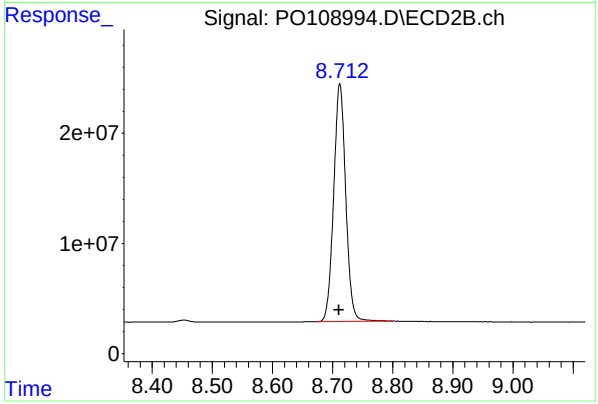
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 507274891
Conc: 96.00 ng/ml



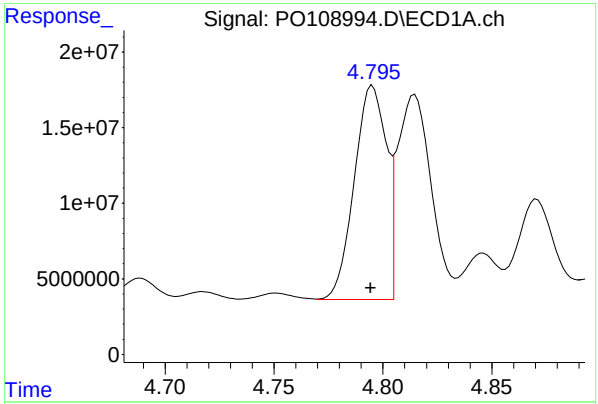
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 607263994
Conc: 92.57 ng/ml



#2 Decachlorobiphenyl

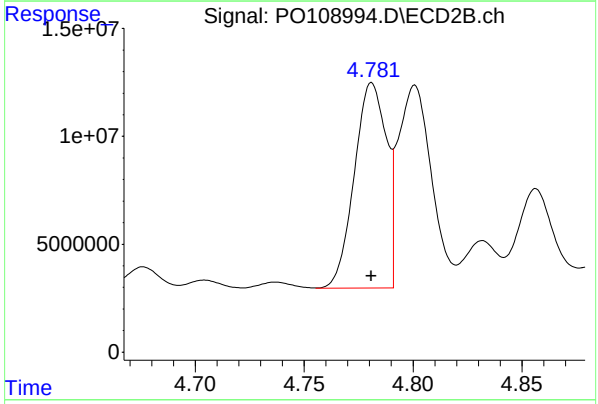
R.T.: 8.712 min
Delta R.T.: 0.001 min
Response: 300959540
Conc: 92.30 ng/ml



#21 AR-1248-1

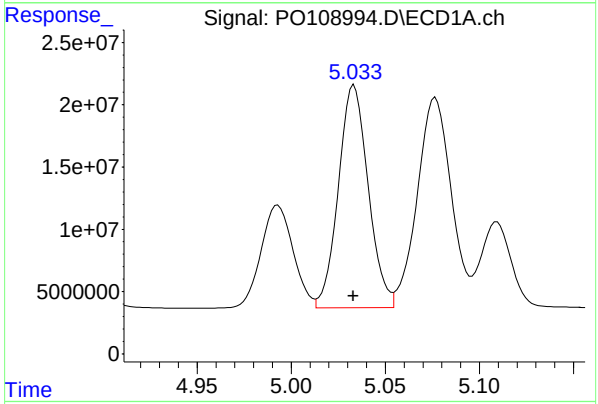
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 145246997
Conc: 920.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



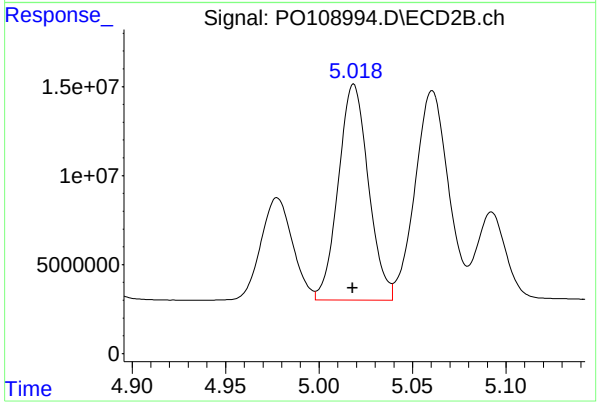
#21 AR-1248-1

R.T.: 4.781 min
Delta R.T.: 0.000 min
Response: 97508588
Conc: 915.23 ng/ml



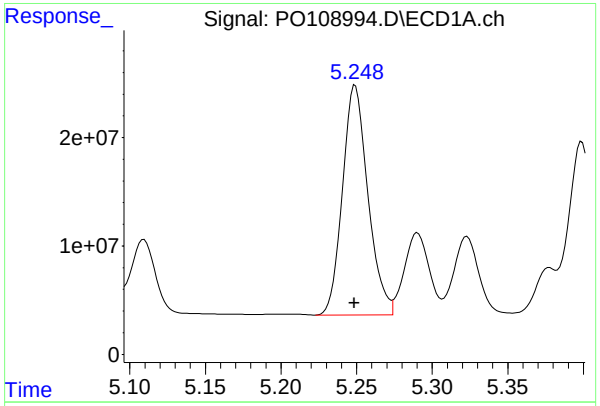
#22 AR-1248-2

R.T.: 5.033 min
Delta R.T.: 0.000 min
Response: 197265768
Conc: 900.91 ng/ml



#22 AR-1248-2

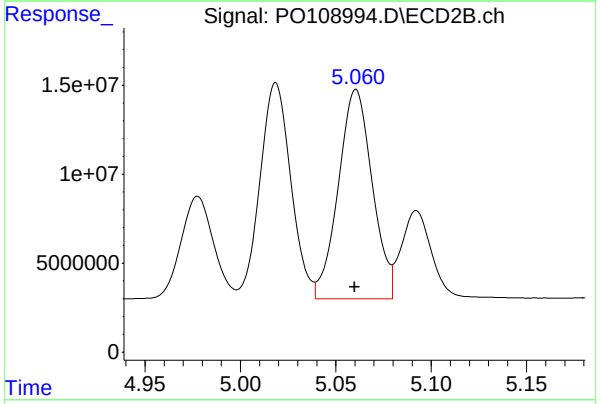
R.T.: 5.019 min
Delta R.T.: 0.000 min
Response: 135954819
Conc: 896.76 ng/ml



#23 AR-1248-3

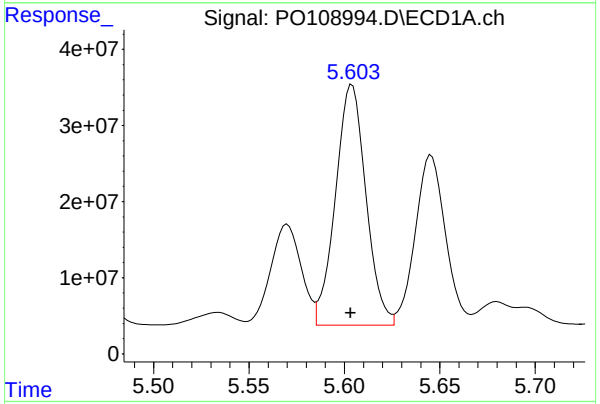
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 248188978
Conc: 916.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



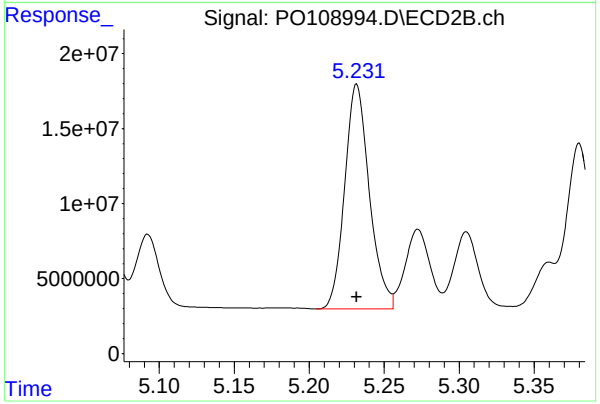
#23 AR-1248-3

R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 145968318
Conc: 904.15 ng/ml



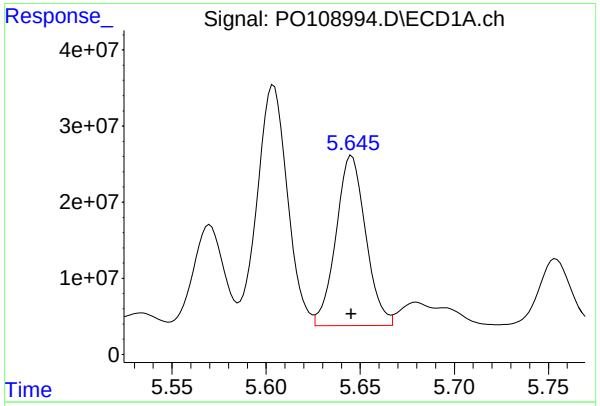
#24 AR-1248-4

R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 351583188
Conc: 927.13 ng/ml



#24 AR-1248-4

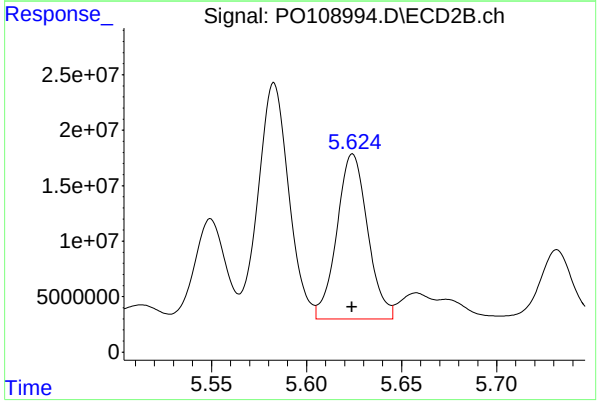
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 171715835
Conc: 913.96 ng/ml



#25 AR-1248-5

R.T.: 5.646 min
Delta R.T.: 0.000 mi
Response: 245666962
Conc: 935.37 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 167823607
Conc: 932.08 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:34
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: Jan 22 00:27:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.699	3.696	552.8E6	391.8E6	73.858	74.152
2) SA	Decachlor...	8.758	8.711	470.4E6	234.5E6	71.706	71.906
	Target Compounds						
21) L5	AR-1248-1	4.794	4.781	112.8E6	75898589	715.170	712.393
22) L5	AR-1248-2	5.033	5.018	157.3E6	107.5E6	718.224	709.126
23) L5	AR-1248-3	5.249	5.060	193.4E6	114.7E6	714.439	710.527
24) L5	AR-1248-4	5.603	5.231	272.0E6	134.1E6	717.187	713.986
25) L5	AR-1248-5	5.645	5.624	188.9E6	129.5E6	719.270	719.116

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

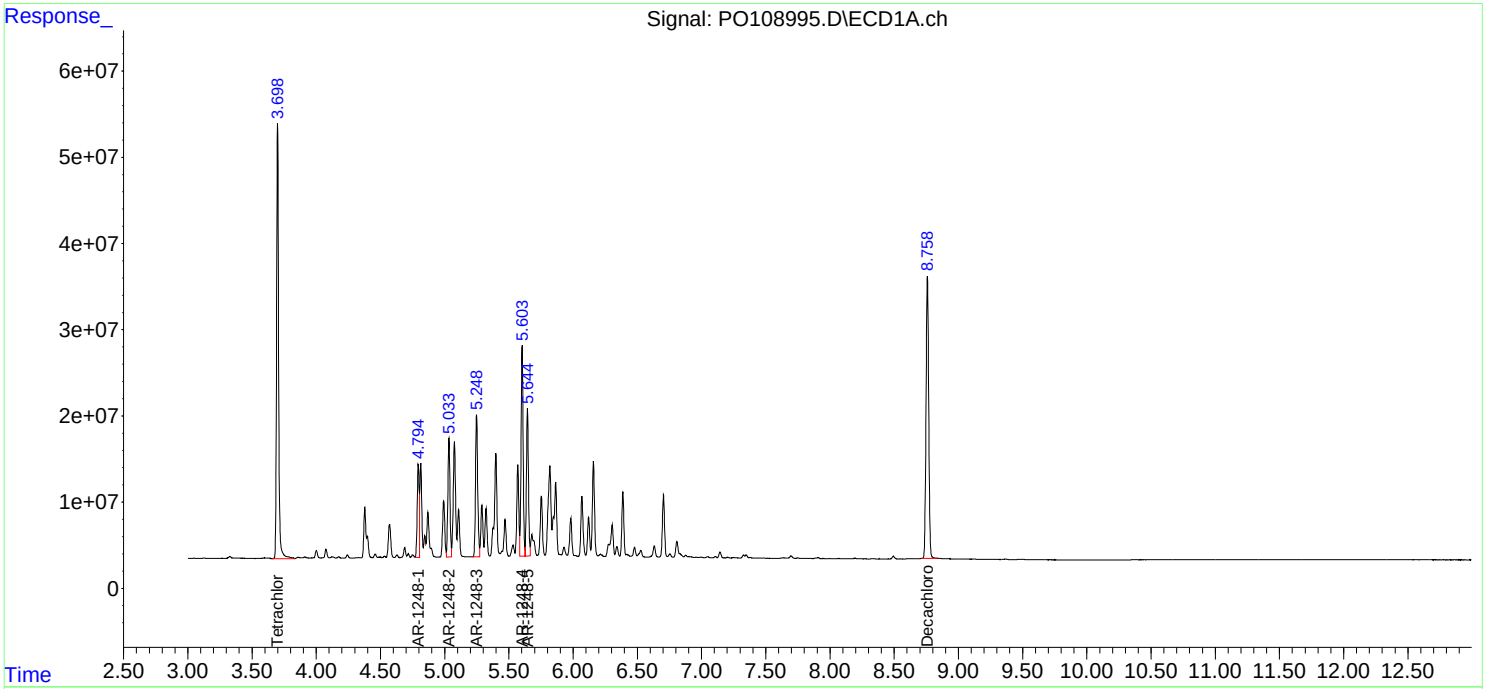
ICAL Form

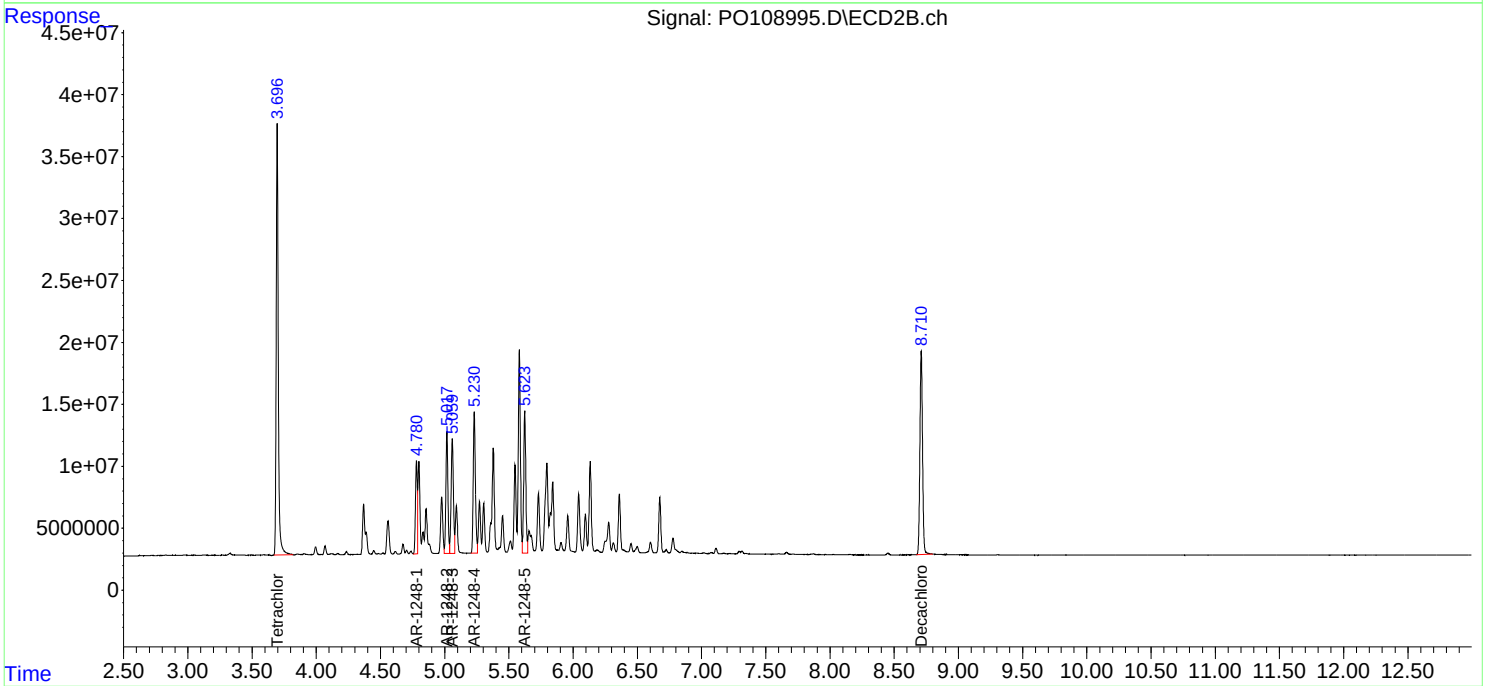
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:34
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

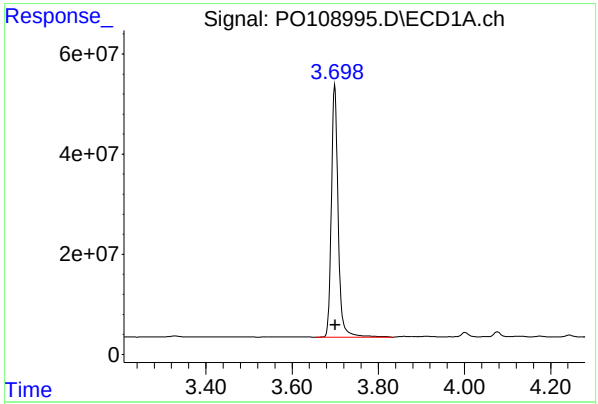
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:27:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



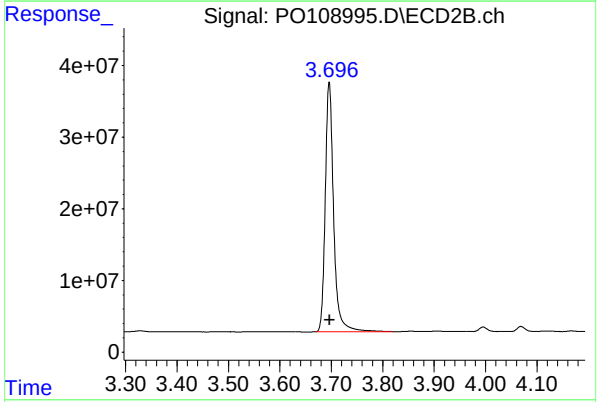




#1 Tetrachloro-m-xylene

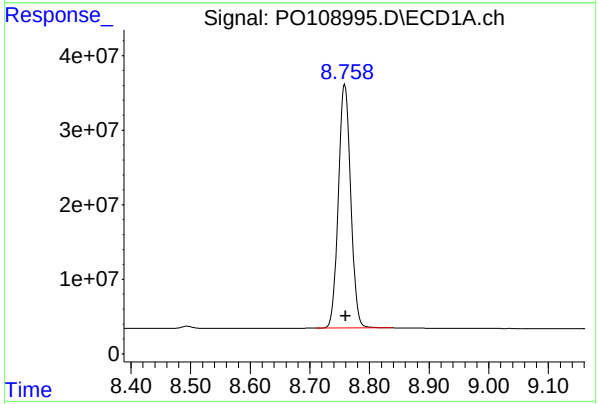
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 552779688
Conc: 73.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



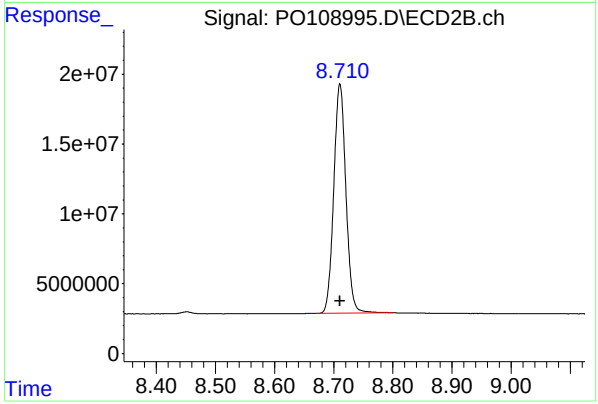
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 391816969
Conc: 74.15 ng/ml



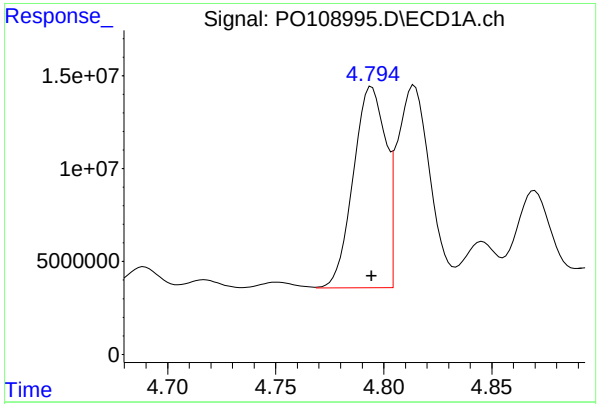
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: -0.001 min
Response: 470400114
Conc: 71.71 ng/ml



#2 Decachlorobiphenyl

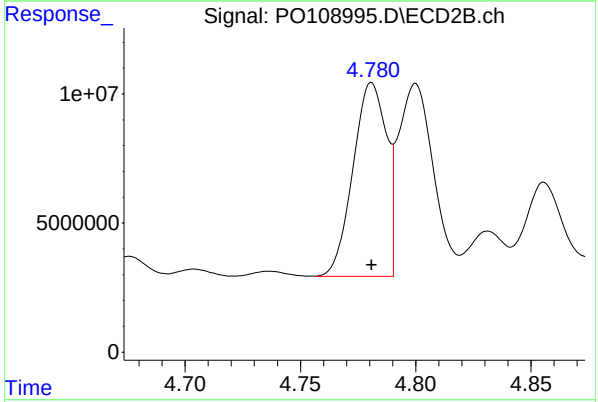
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 234452200
Conc: 71.91 ng/ml



#21 AR-1248-1

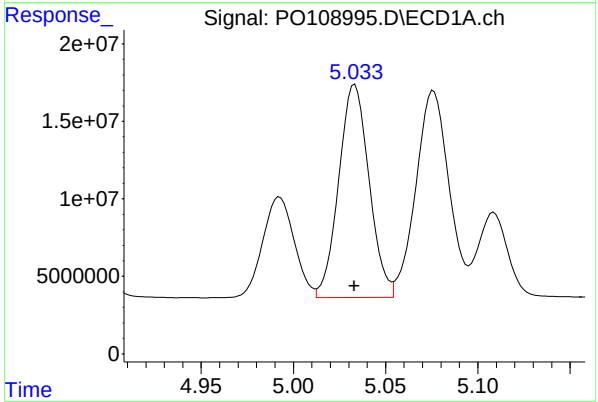
R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 112840417
Conc: 715.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



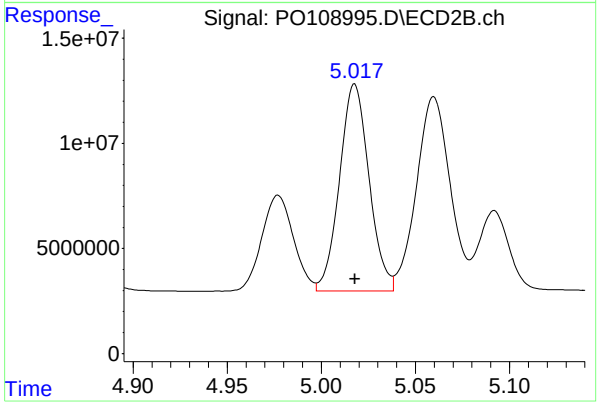
#21 AR-1248-1

R.T.: 4.781 min
Delta R.T.: 0.000 min
Response: 75898589
Conc: 712.39 ng/ml



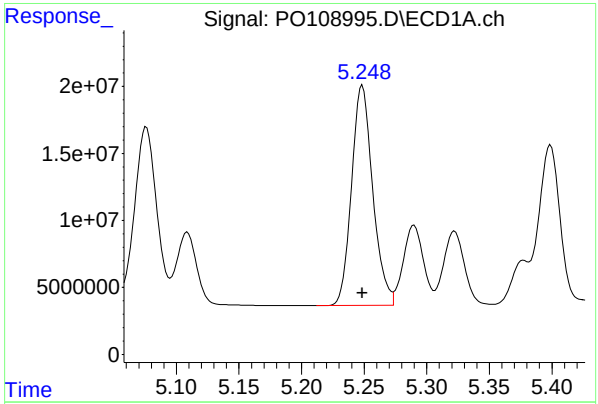
#22 AR-1248-2

R.T.: 5.033 min
Delta R.T.: 0.000 min
Response: 157264978
Conc: 718.22 ng/ml



#22 AR-1248-2

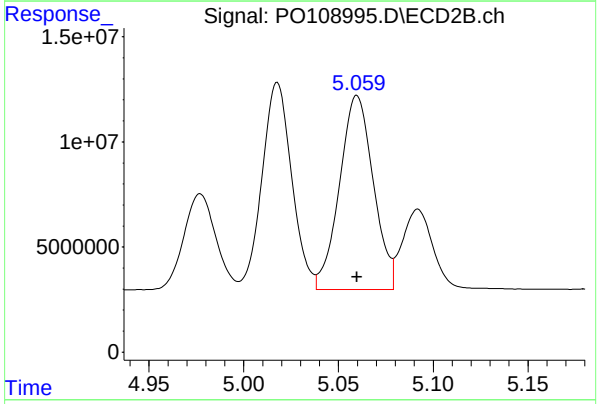
R.T.: 5.018 min
Delta R.T.: 0.000 min
Response: 107507727
Conc: 709.13 ng/ml



#23 AR-1248-3

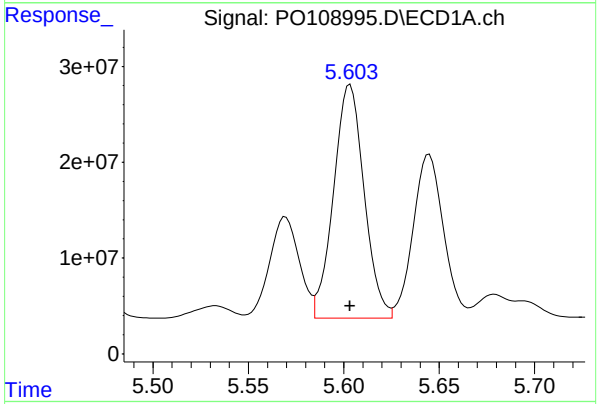
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 193391726
Conc: 714.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



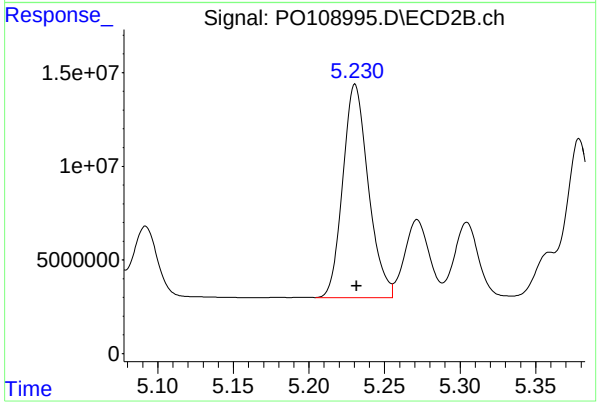
#23 AR-1248-3

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 114708969
Conc: 710.53 ng/ml



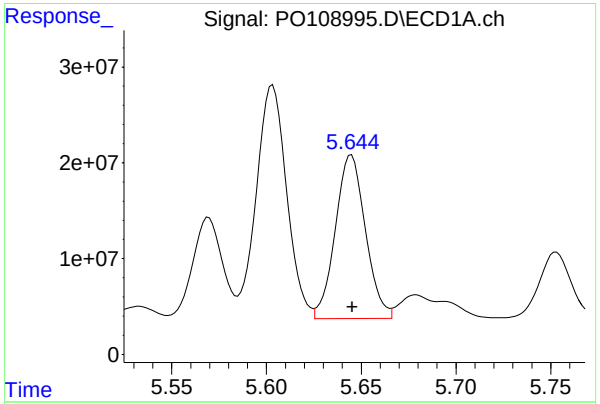
#24 AR-1248-4

R.T.: 5.603 min
Delta R.T.: 0.000 min
Response: 271968156
Conc: 717.19 ng/ml



#24 AR-1248-4

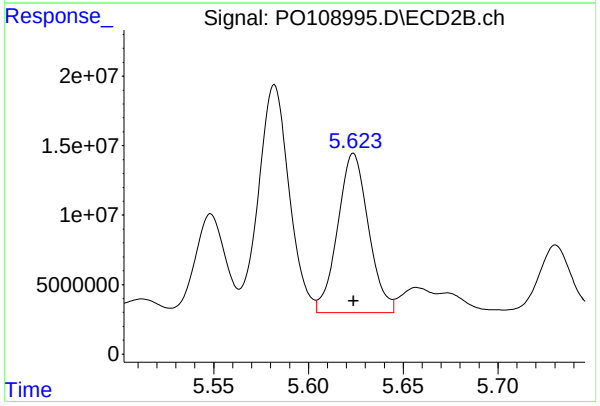
R.T.: 5.231 min
Delta R.T.: -0.001 min
Response: 134144666
Conc: 713.99 ng/ml



#25 AR-1248-5

R.T.: 5.645 min
Delta R.T.: 0.000 min
Response: 188909492
Conc: 719.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 129479161
Conc: 719.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:52
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: Jan 22 00:27:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	374.2E6	264.2E6	50.000	50.000
2)	SA Decachlor...	8.760	8.711	328.0E6	163.0E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.794	4.781	78890582	53270186	500.000	500.000
22)	L5 AR-1248-2	5.033	5.018	109.5E6	75802980	500.000	500.000
23)	L5 AR-1248-3	5.248	5.060	135.3E6	80721097	500.000	500.000
24)	L5 AR-1248-4	5.603	5.232	189.6E6	93940710	500.000	500.000
25)	L5 AR-1248-5	5.645	5.624	131.3E6	90026584	500.000	500.000

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

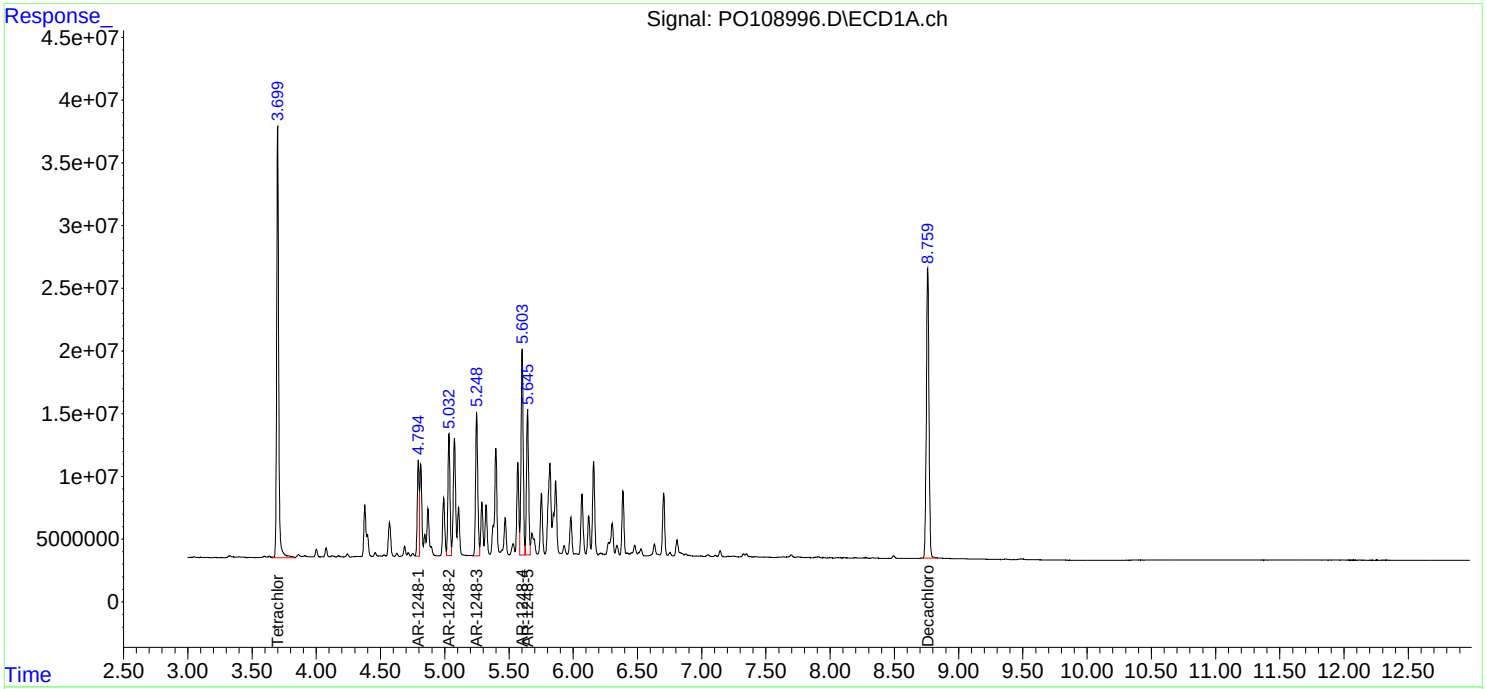
ICAL Form

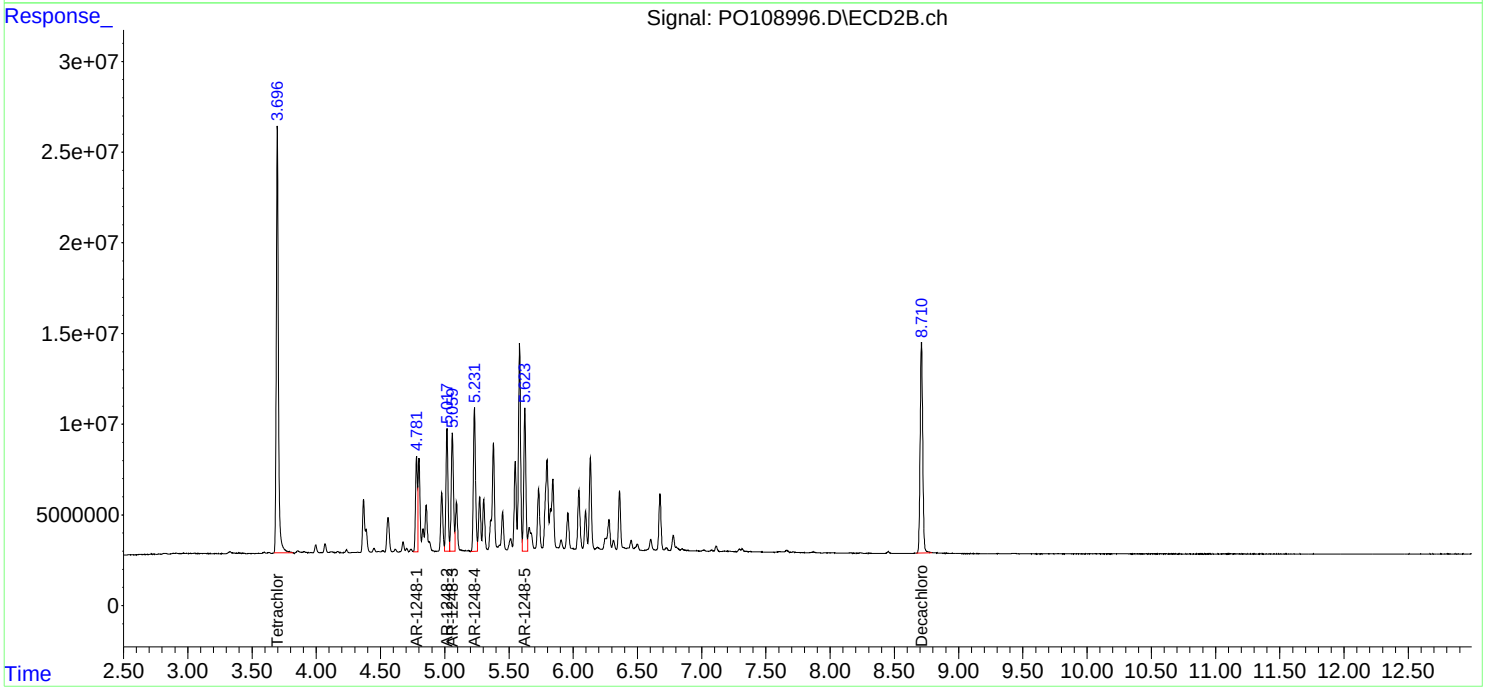
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:52
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

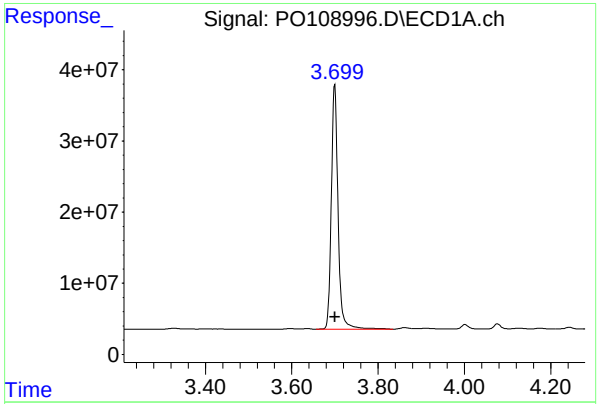
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:27:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



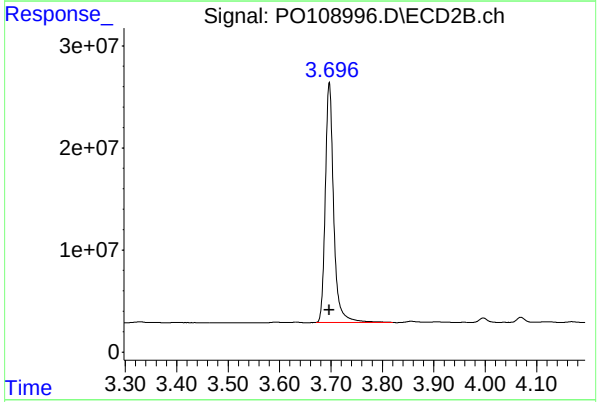




#1 Tetrachloro-m-xylene

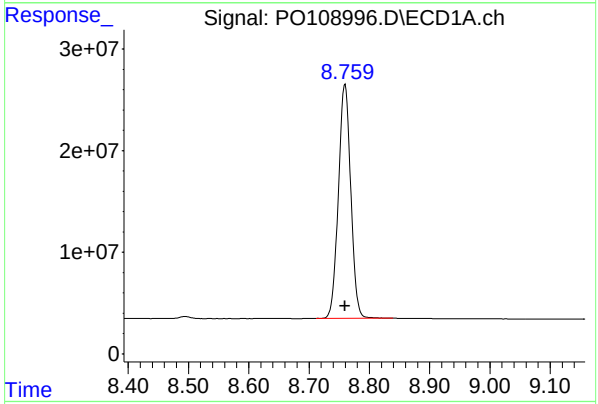
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 374217584
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



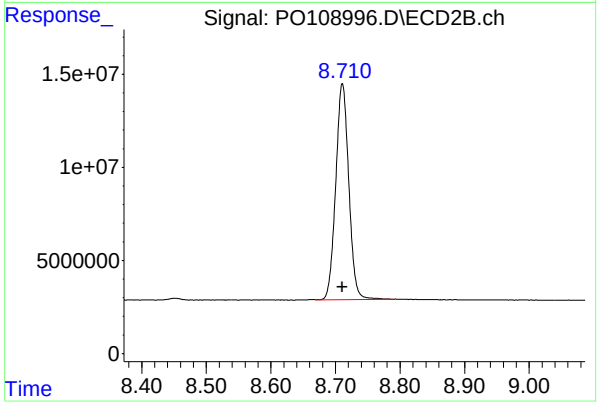
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 264196910
Conc: 50.00 ng/ml



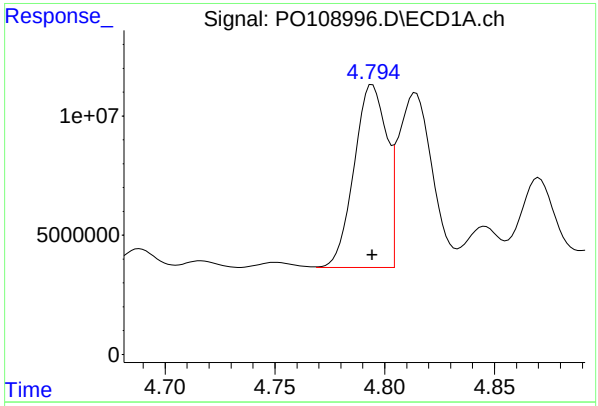
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 328006973
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

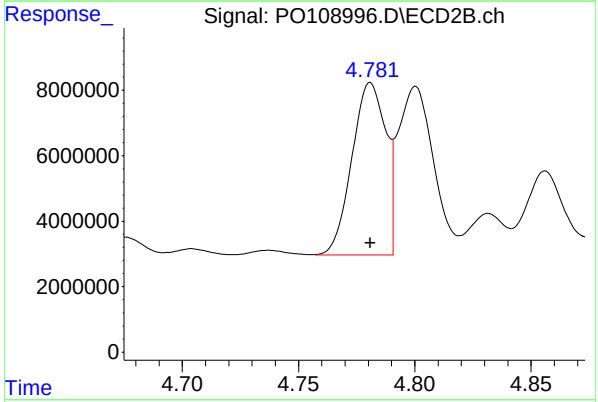
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 163027796
Conc: 50.00 ng/ml



#21 AR-1248-1

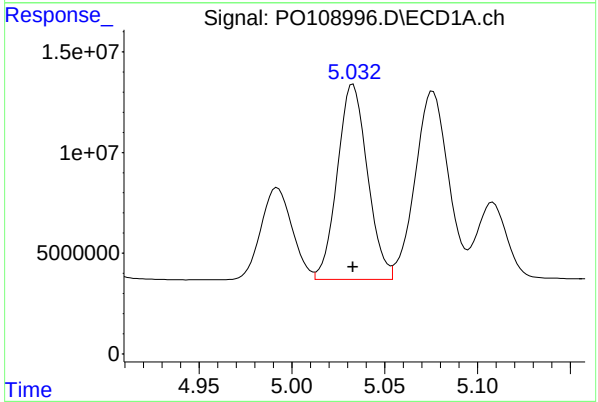
R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 78890582
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



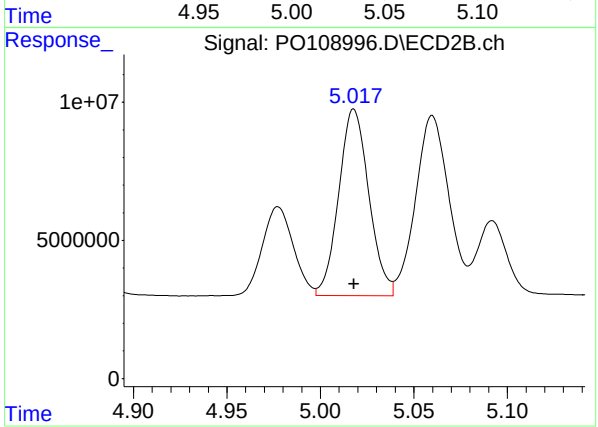
#21 AR-1248-1

R.T.: 4.781 min
Delta R.T.: 0.000 min
Response: 53270186
Conc: 500.00 ng/ml



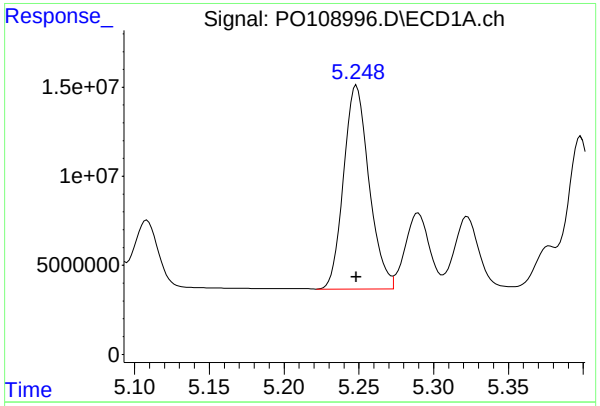
#22 AR-1248-2

R.T.: 5.033 min
Delta R.T.: 0.000 min
Response: 109481896
Conc: 500.00 ng/ml



#22 AR-1248-2

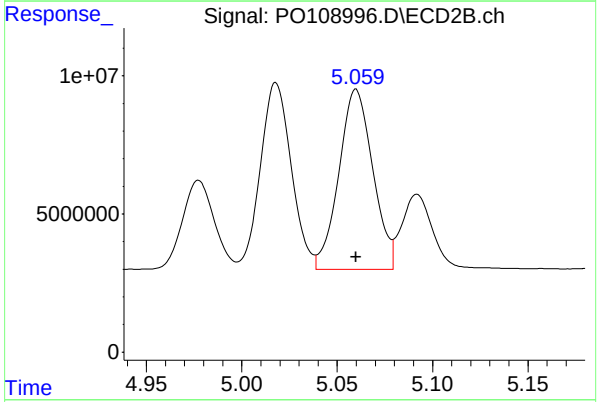
R.T.: 5.018 min
Delta R.T.: 0.000 min
Response: 75802980
Conc: 500.00 ng/ml



#23 AR-1248-3

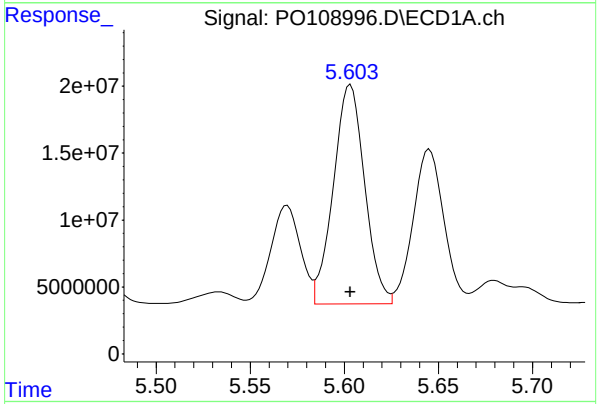
R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 135345120
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



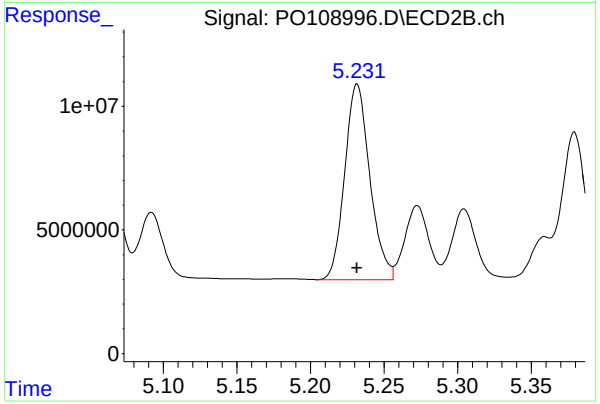
#23 AR-1248-3

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 80721097
Conc: 500.00 ng/ml



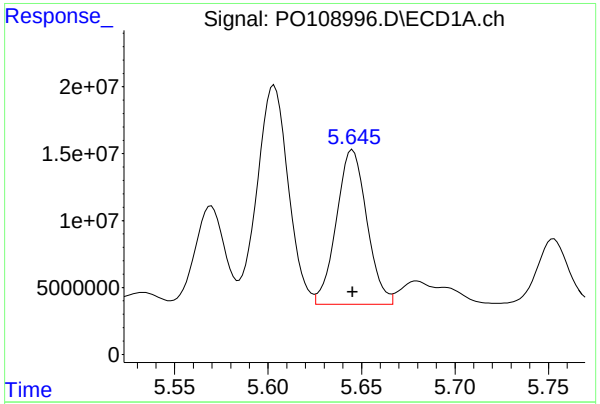
#24 AR-1248-4

R.T.: 5.603 min
Delta R.T.: 0.000 min
Response: 189607558
Conc: 500.00 ng/ml



#24 AR-1248-4

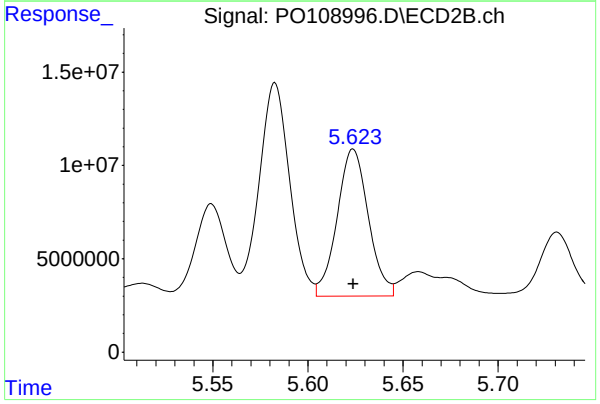
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 93940710
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.645 min
Delta R.T.: 0.000 min
Response: 131320368
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 90026584
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:10
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: Jan 22 00:27:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.699	3.696	191.3E6	135.1E6	25.566	25.563
2) SA	Decachlor...	8.759	8.711	173.6E6	86988370	26.466	26.679
	Target Compounds						
21) L5	AR-1248-1	4.795	4.781	42629916	28637355	270.184	268.793
22) L5	AR-1248-2	5.033	5.019	59762030	41236941	272.931	272.001
23) L5	AR-1248-3	5.249	5.061	73317527	44083614	270.854	273.061
24) L5	AR-1248-4	5.604	5.232	100.6E6	50659856	265.406	269.637
25) L5	AR-1248-5	5.645	5.625	69903707	48008873	266.157	266.637

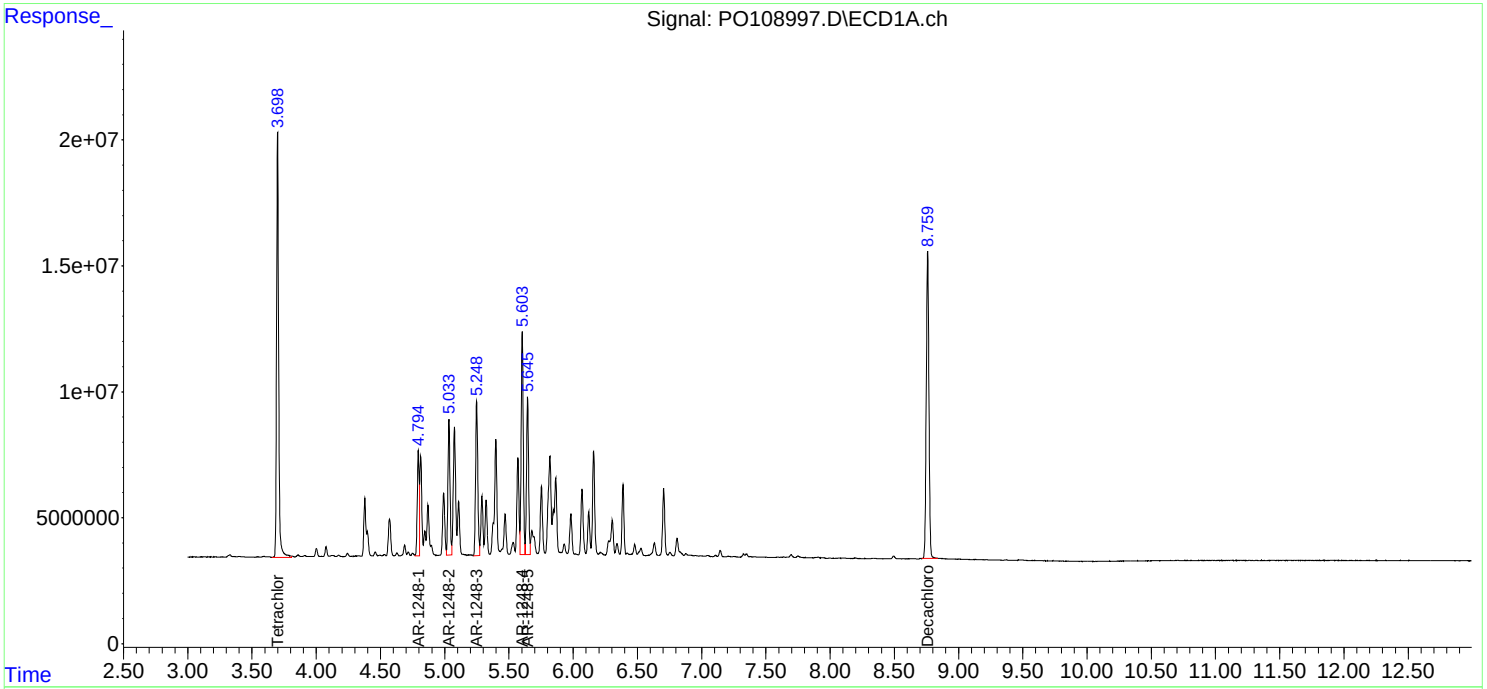
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

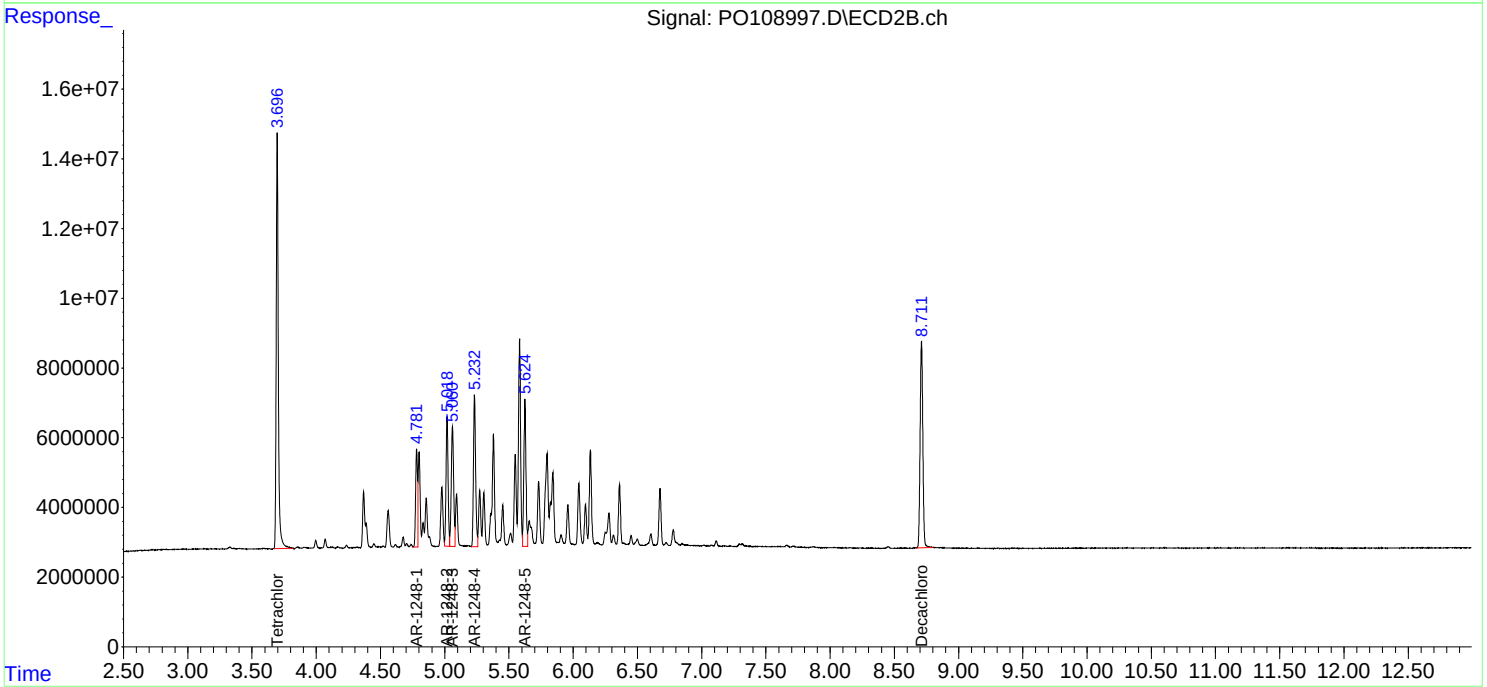
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:10
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

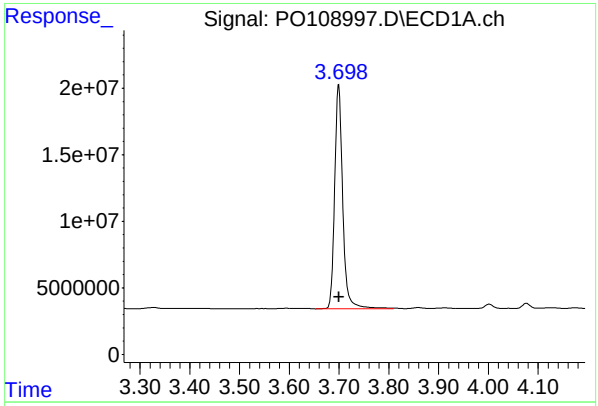
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:27:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



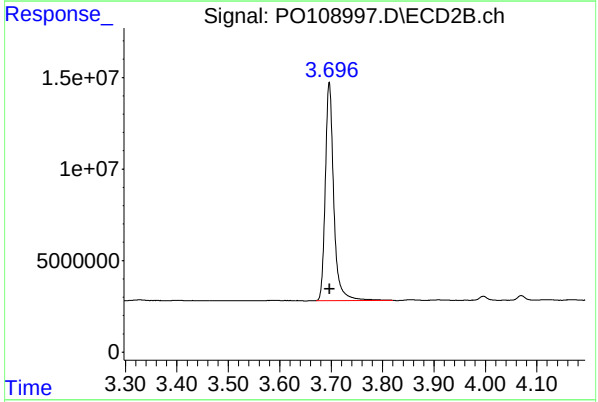




#1 Tetrachloro-m-xylene

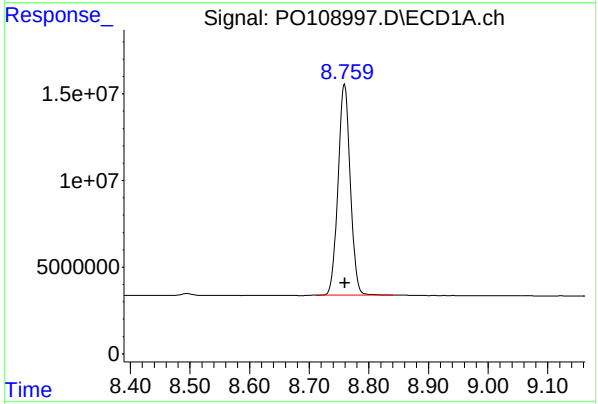
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 191343021
Conc: 25.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



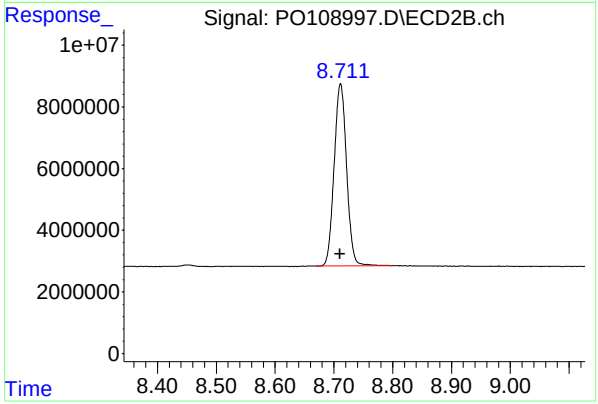
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 135073028
Conc: 25.56 ng/ml



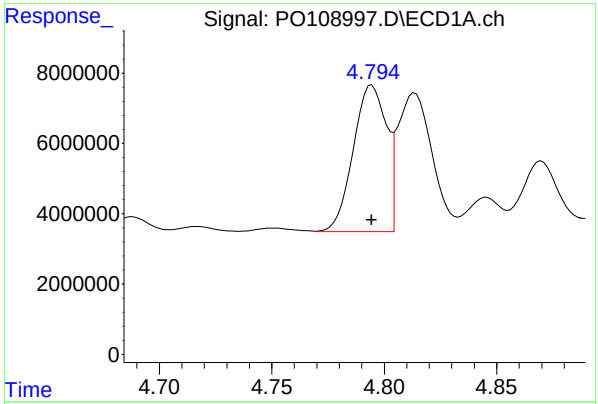
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 173619471
Conc: 26.47 ng/ml



#2 Decachlorobiphenyl

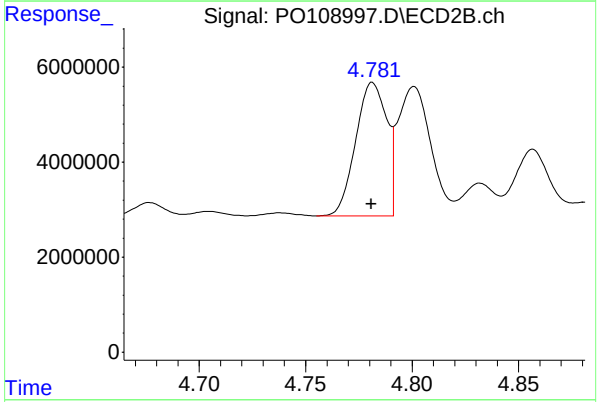
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 86988370
Conc: 26.68 ng/ml



#21 AR-1248-1

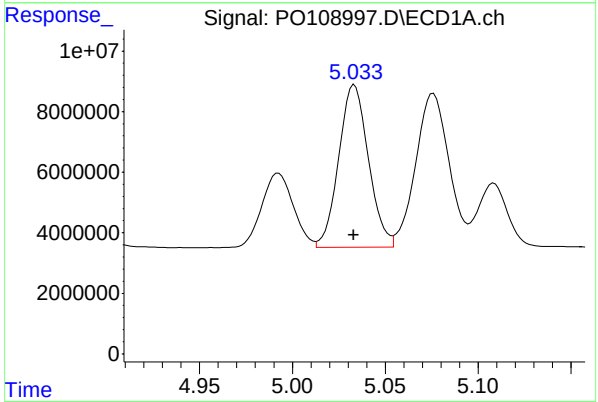
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 42629916
Conc: 270.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



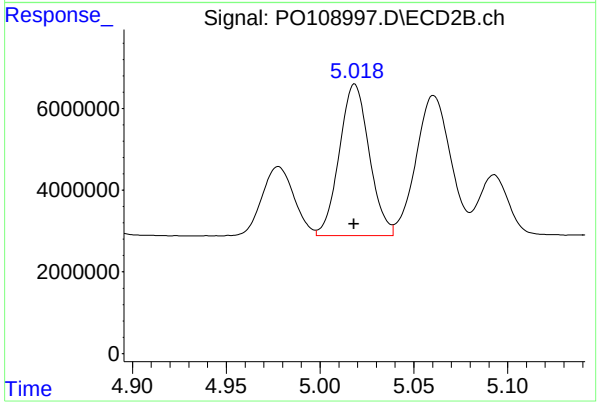
#21 AR-1248-1

R.T.: 4.781 min
Delta R.T.: 0.000 min
Response: 28637355
Conc: 268.79 ng/ml



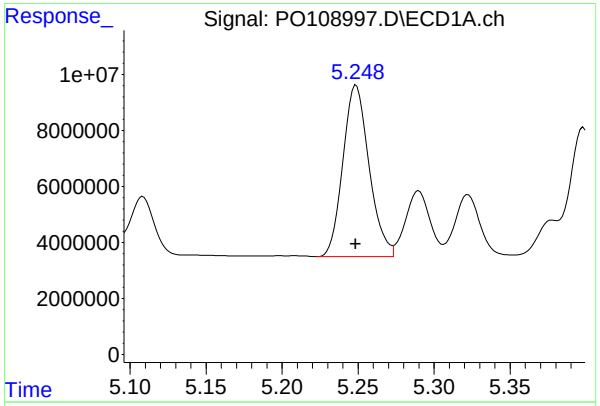
#22 AR-1248-2

R.T.: 5.033 min
Delta R.T.: 0.000 min
Response: 59762030
Conc: 272.93 ng/ml



#22 AR-1248-2

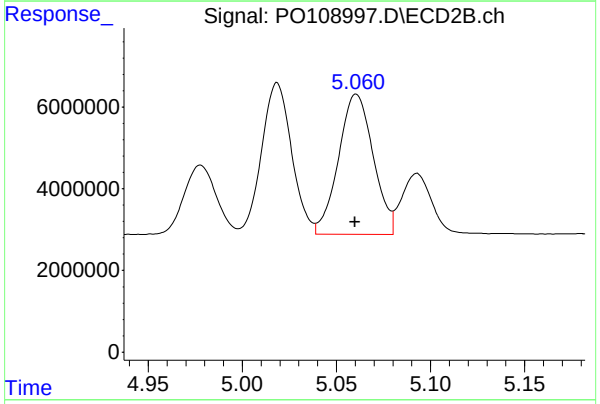
R.T.: 5.019 min
Delta R.T.: 0.000 min
Response: 41236941
Conc: 272.00 ng/ml



#23 AR-1248-3

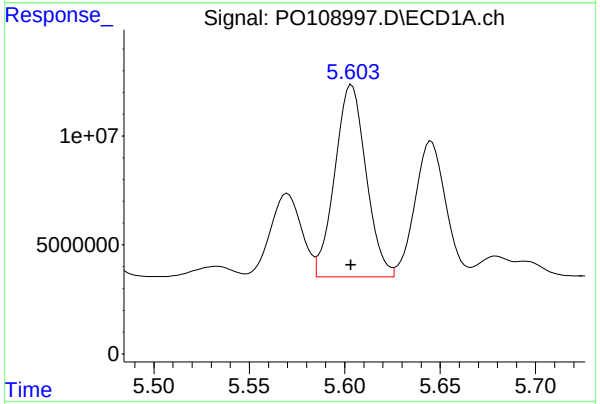
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 73317527
Conc: 270.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



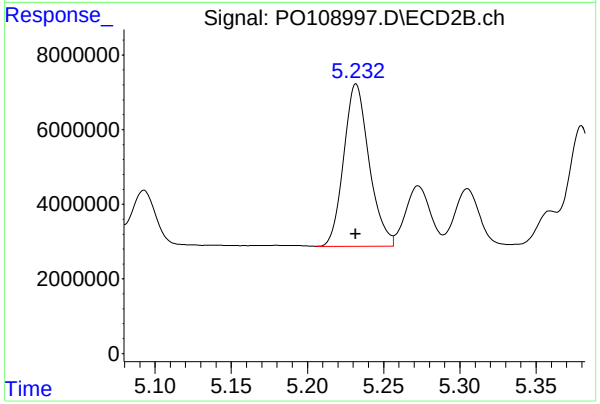
#23 AR-1248-3

R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 44083614
Conc: 273.06 ng/ml



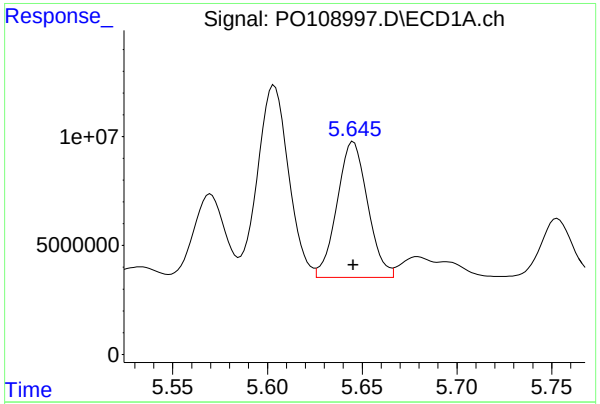
#24 AR-1248-4

R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 100645826
Conc: 265.41 ng/ml



#24 AR-1248-4

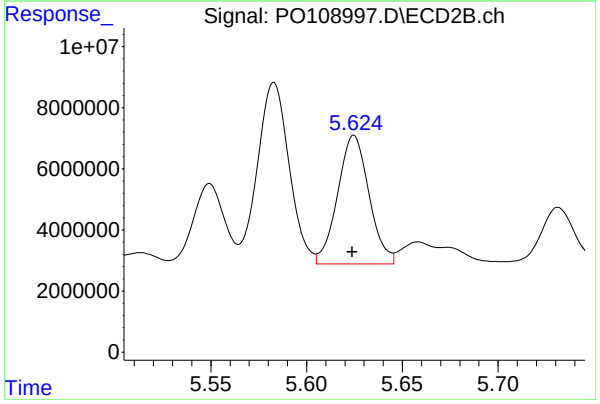
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 50659856
Conc: 269.64 ng/ml



#25 AR-1248-5

R.T.: 5.645 min
Delta R.T.: 0.000 min
Response: 69903707
Conc: 266.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.625 min
Delta R.T.: 0.000 min
Response: 48008873
Conc: 266.64 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:29
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:28:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	36562867	25108140	4.885	4.752
2)	SA Decachlor...	8.760	8.710	35646054	17756361	5.434	5.446
	Target Compounds						
21)	L5 AR-1248-1	4.795	4.781	8692756	5840104	55.094	54.816
22)	L5 AR-1248-2	5.034	5.018	12624135	8701511	57.654	57.396
23)	L5 AR-1248-3	5.248	5.061	14964745	9509047	55.284m	58.901
24)	L5 AR-1248-4	5.604	5.231	21336256	10821640	56.264	57.598
25)	L5 AR-1248-5	5.645	5.624	14427184	10175433	54.931	56.513

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:29
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

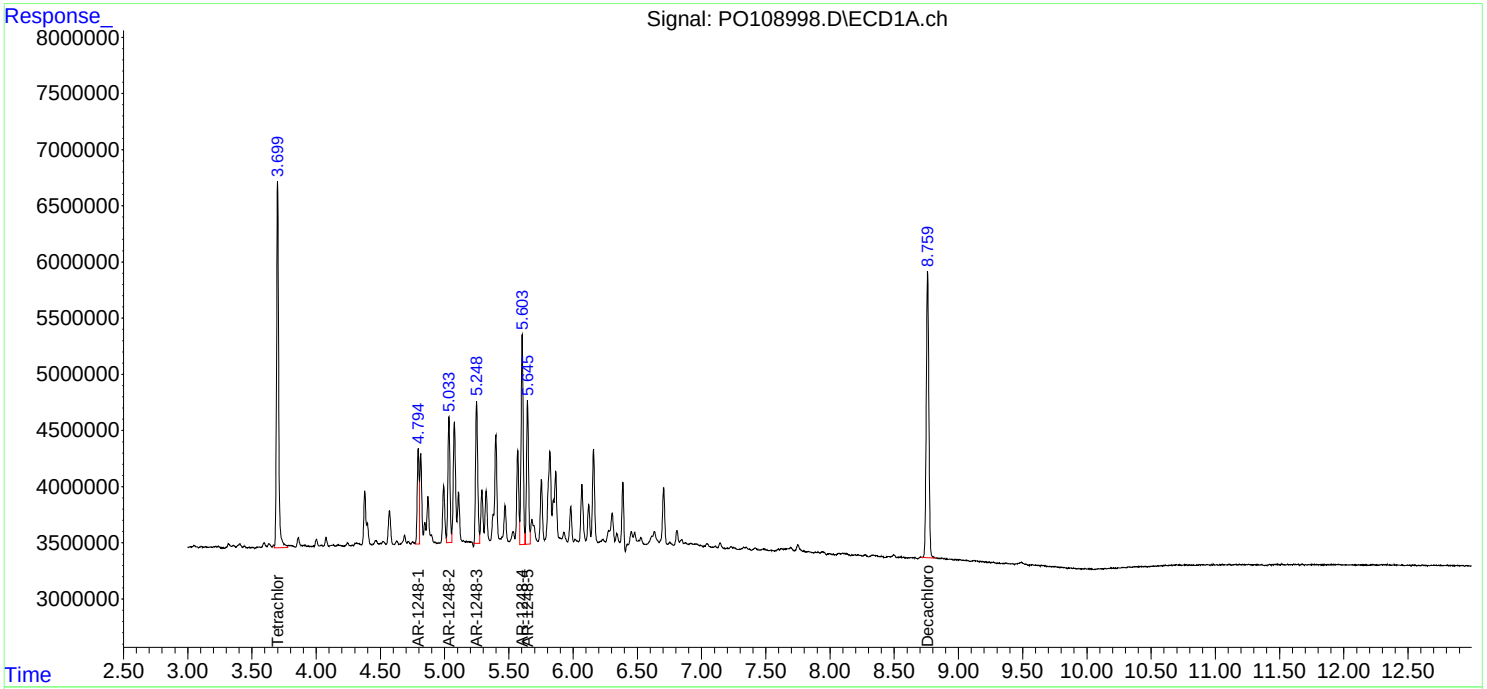
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

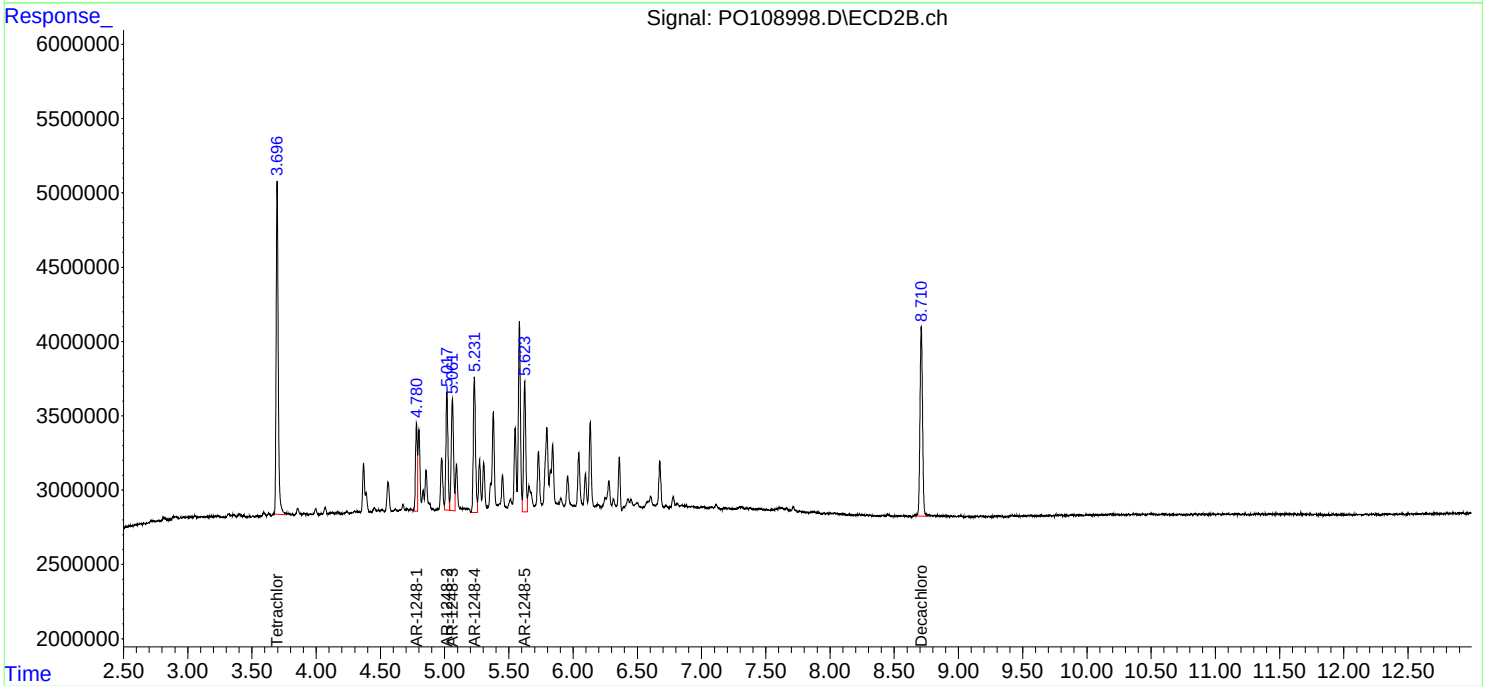
Manual Integrations APPROVED

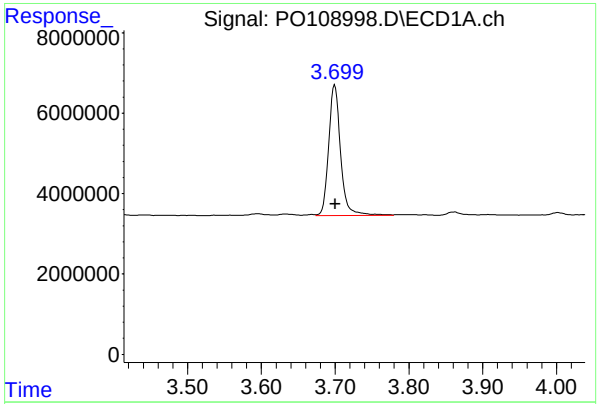
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 00:28:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 00:26:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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







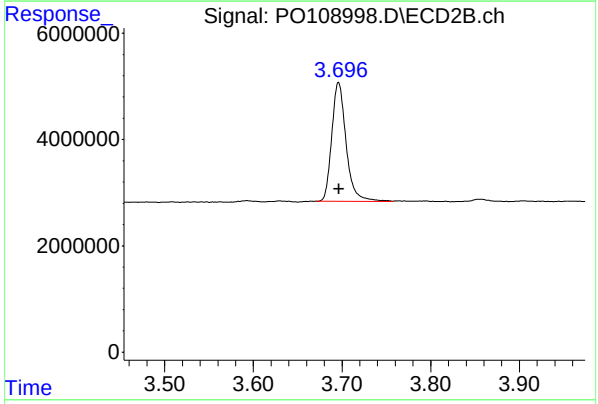
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 36562867
Conc: 4.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

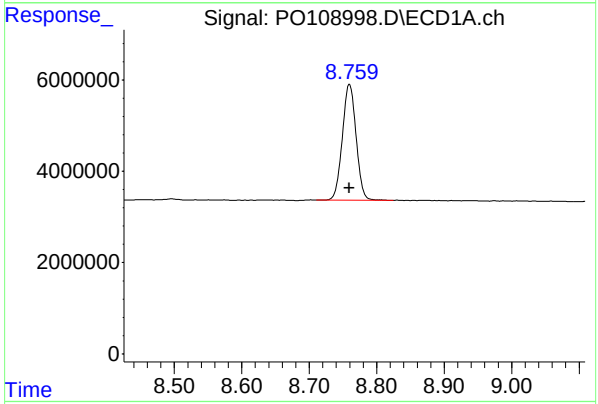
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



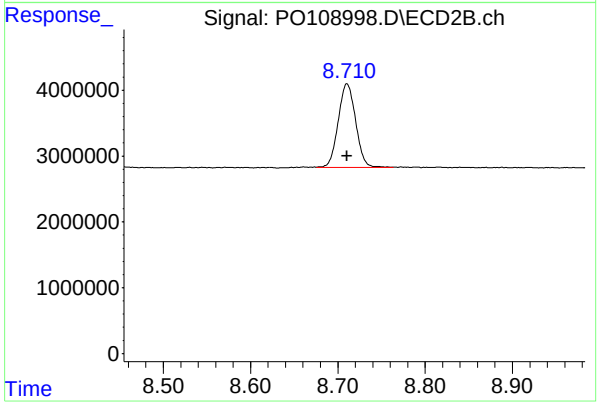
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 25108140
Conc: 4.75 ng/ml



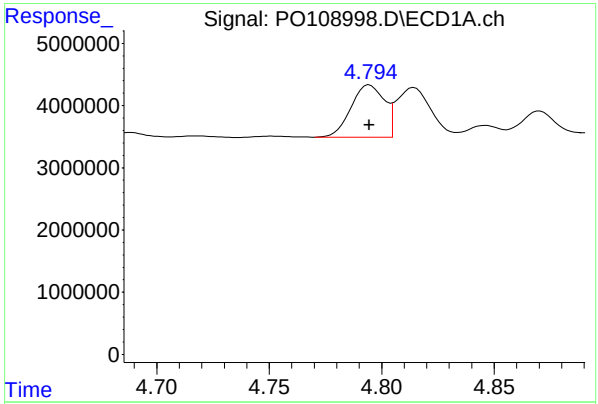
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 35646054
Conc: 5.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 17756361
Conc: 5.45 ng/ml



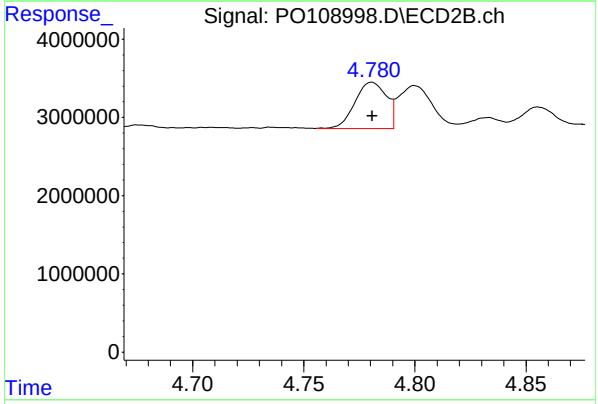
#21 AR-1248-1

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 8692756
Conc: 55.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

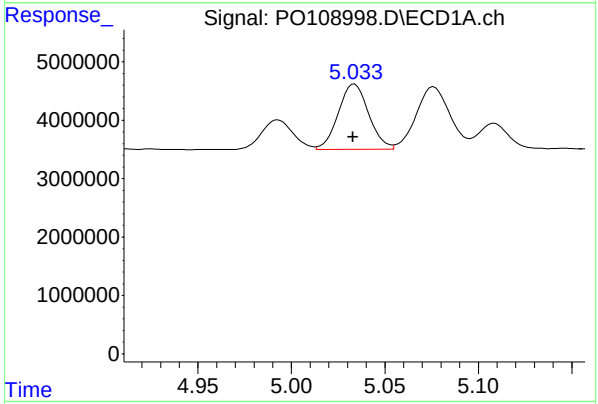
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



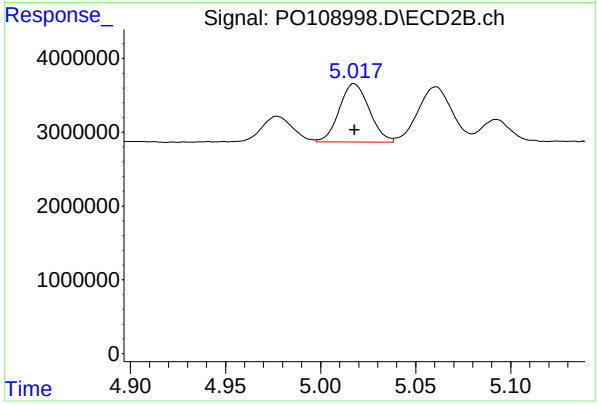
#21 AR-1248-1

R.T.: 4.781 min
Delta R.T.: 0.000 min
Response: 5840104
Conc: 54.82 ng/ml



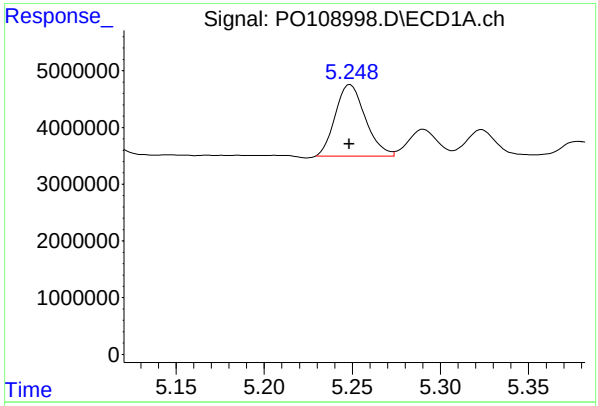
#22 AR-1248-2

R.T.: 5.034 min
Delta R.T.: 0.000 min
Response: 12624135
Conc: 57.65 ng/ml



#22 AR-1248-2

R.T.: 5.018 min
Delta R.T.: 0.000 min
Response: 8701511
Conc: 57.40 ng/ml



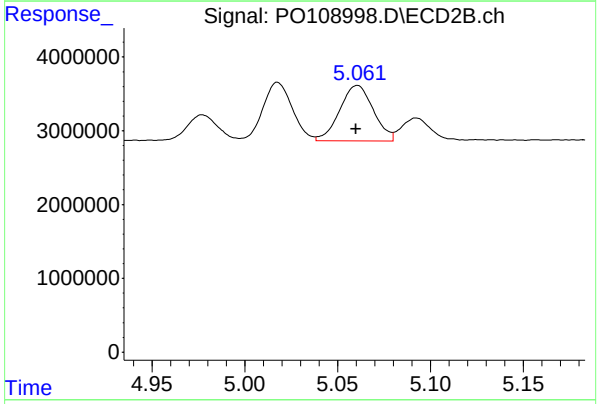
#23 AR-1248-3

R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 14964745
Conc: 55.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

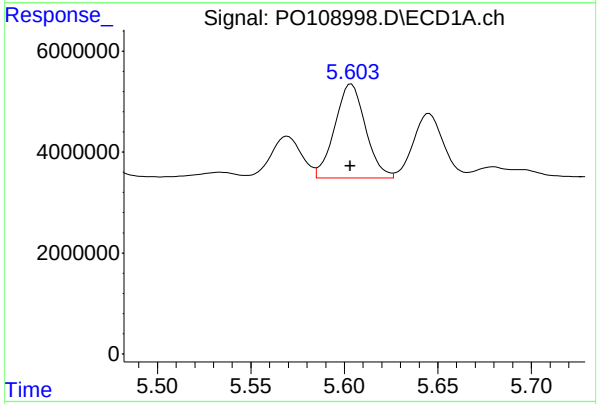
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



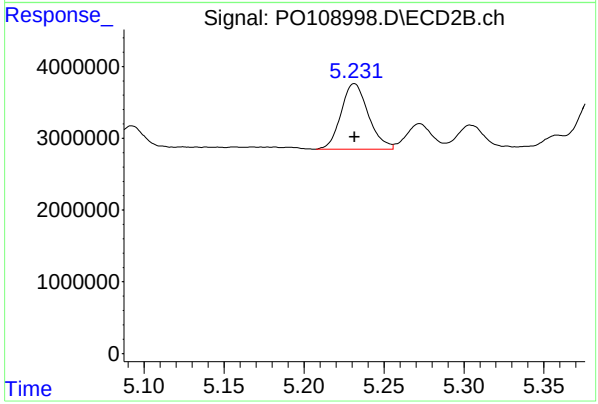
#23 AR-1248-3

R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 9509047
Conc: 58.90 ng/ml



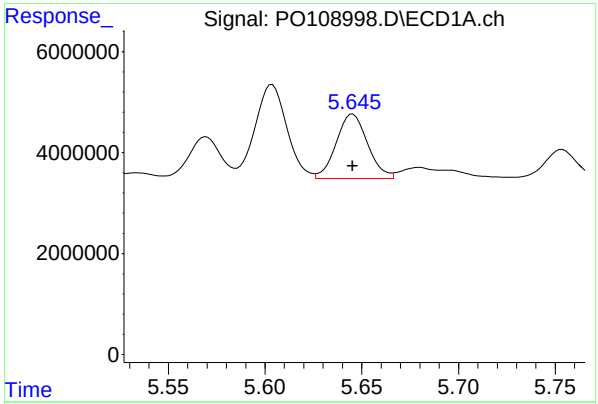
#24 AR-1248-4

R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 21336256
Conc: 56.26 ng/ml



#24 AR-1248-4

R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 10821640
Conc: 57.60 ng/ml



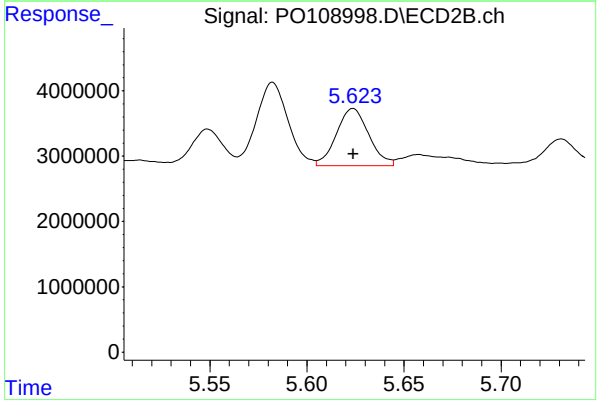
#25 AR-1248-5

R.T.: 5.645 min
Delta R.T.: 0.000 min
Response: 14427184
Conc: 54.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



#25 AR-1248-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 10175433
Conc: 56.51 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:47
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: Jan 22 01:31:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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...	3.699	3.697	726.7E6	515.8E6	94.650	94.426
2)	SA Decachlor...	8.759	8.710	615.5E6	300.9E6	92.481	91.907
	Target Compounds						
26)	L6 AR-1254-1	5.604	5.584	374.8E6	253.5E6	912.708	908.966
27)	L6 AR-1254-2	5.753	5.731	325.3E6	223.1E6	908.609	901.837
28)	L6 AR-1254-3	6.159	6.134	522.1E6	362.3E6	928.056	921.020
29)	L6 AR-1254-4	6.388	6.362	328.4E6	208.0E6	941.805	934.898
30)	L6 AR-1254-5	6.809	6.779	475.3E6	302.6E6	922.909	919.459

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

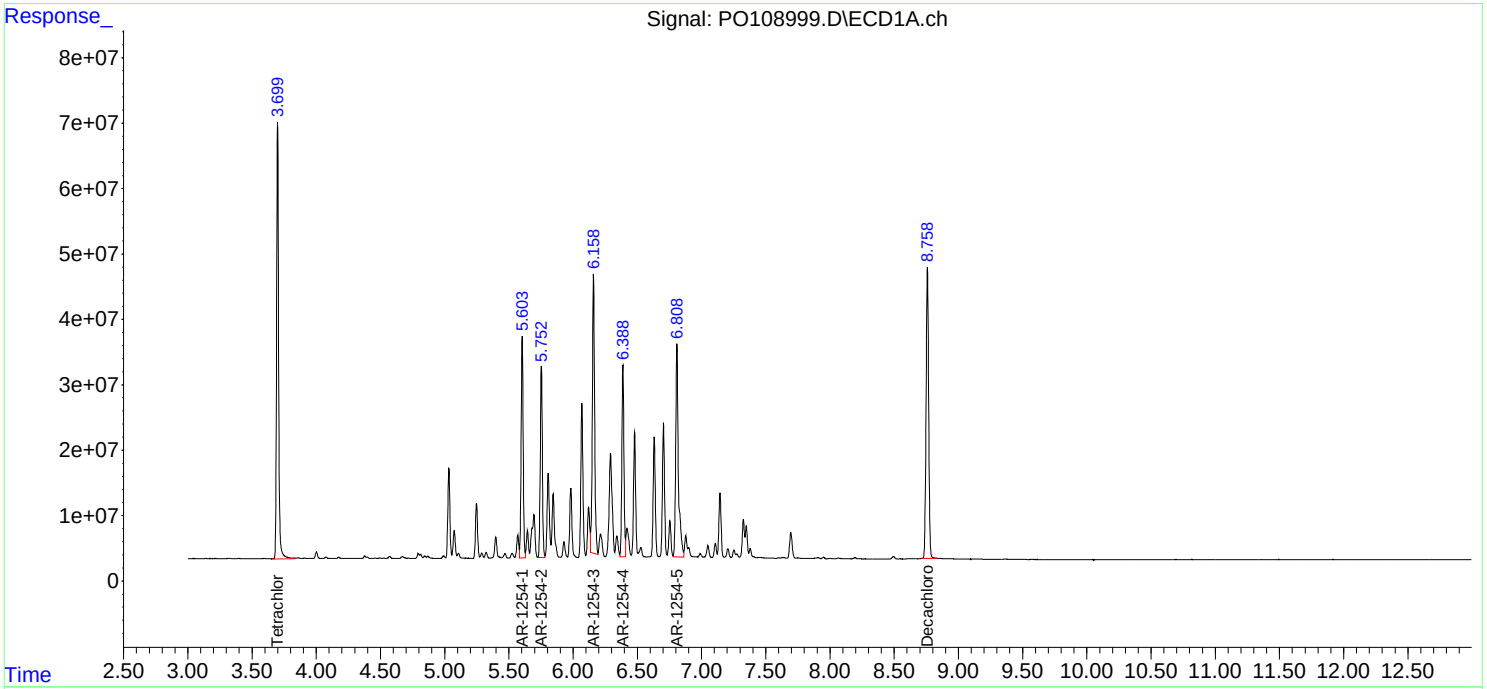
ICAL Form

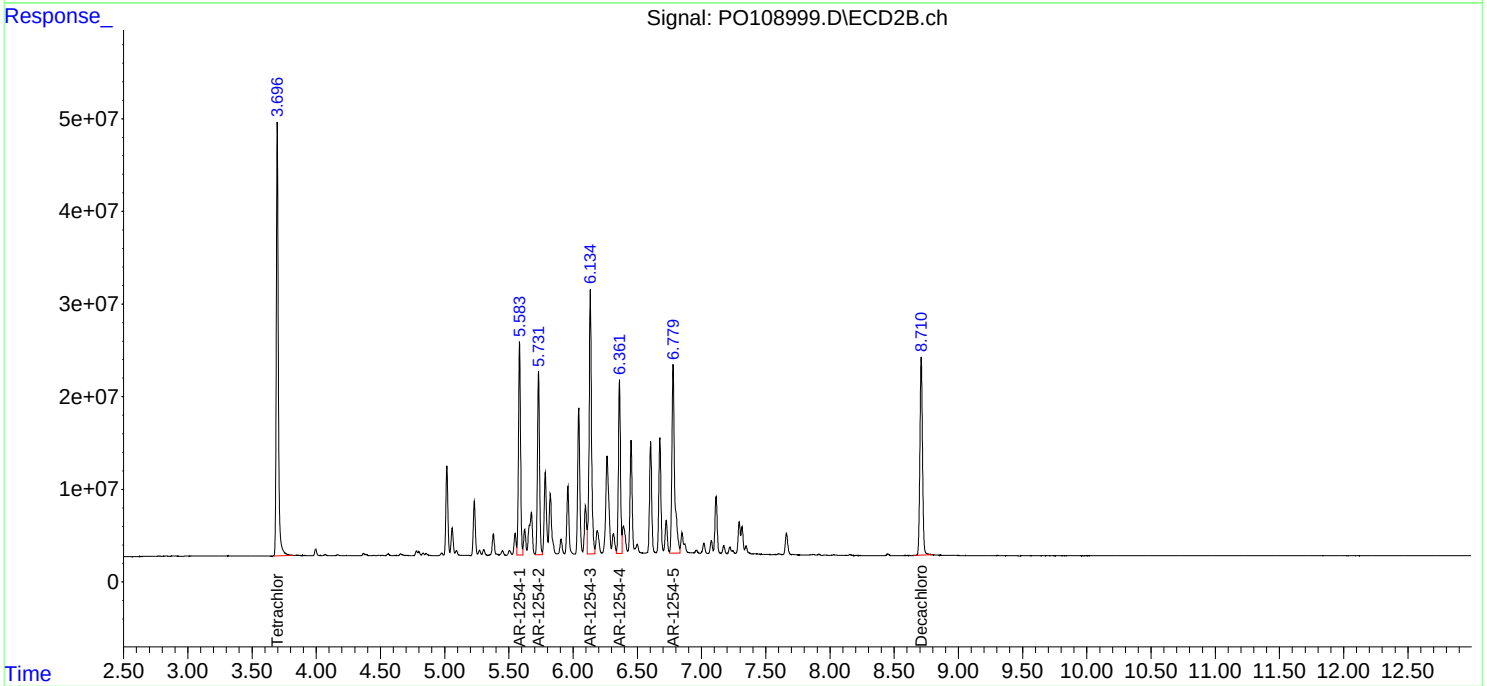
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:47
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

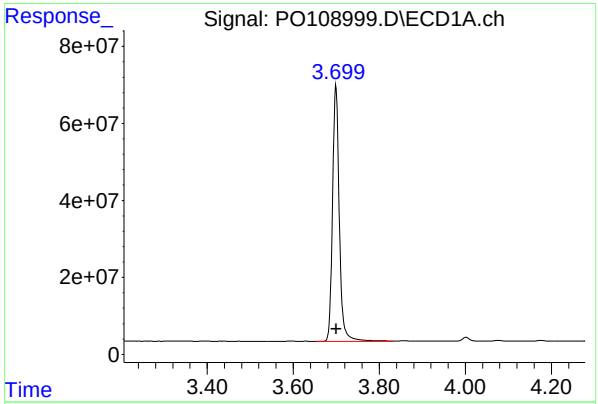
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:31:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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



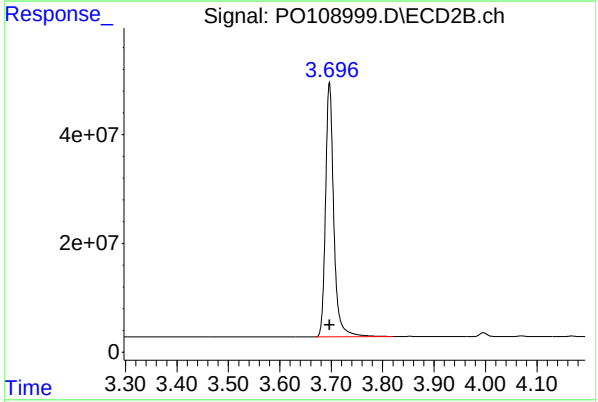




#1 Tetrachloro-m-xylene

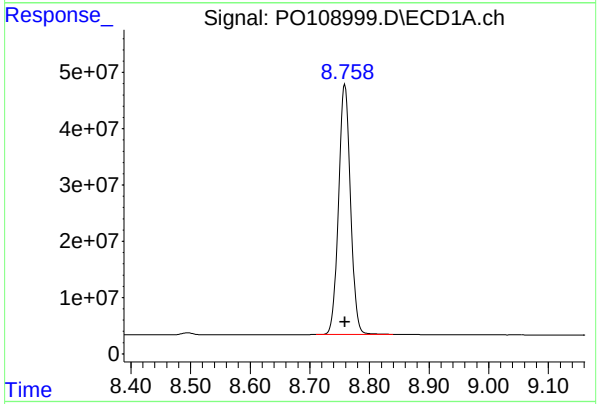
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 726663534
Conc: 94.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



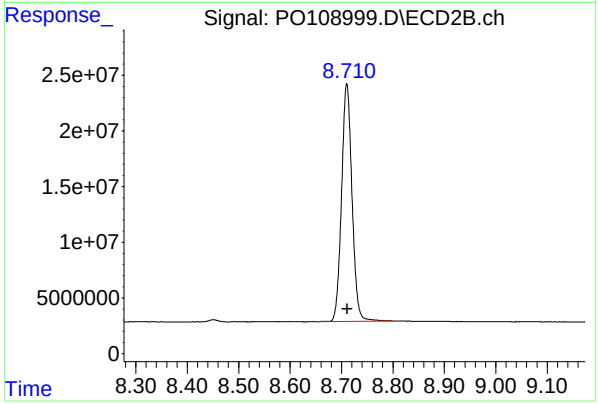
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 515778256
Conc: 94.43 ng/ml



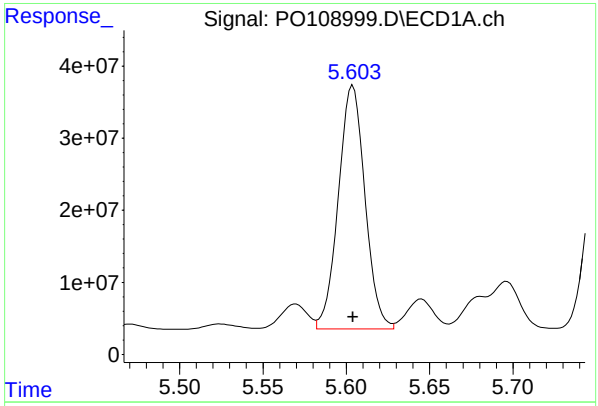
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 615463029
Conc: 92.48 ng/ml



#2 Decachlorobiphenyl

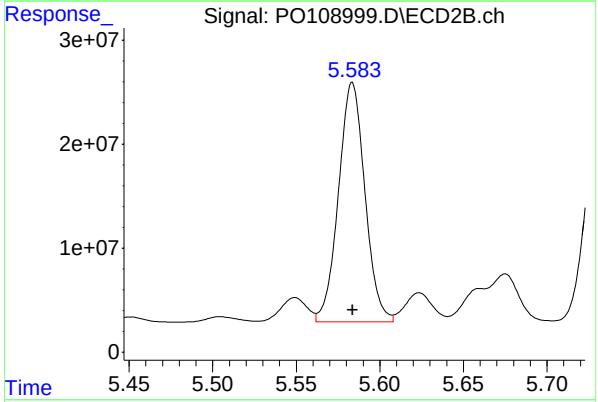
R.T.: 8.710 min
Delta R.T.: -0.001 min
Response: 300941803
Conc: 91.91 ng/ml



#26 AR-1254-1

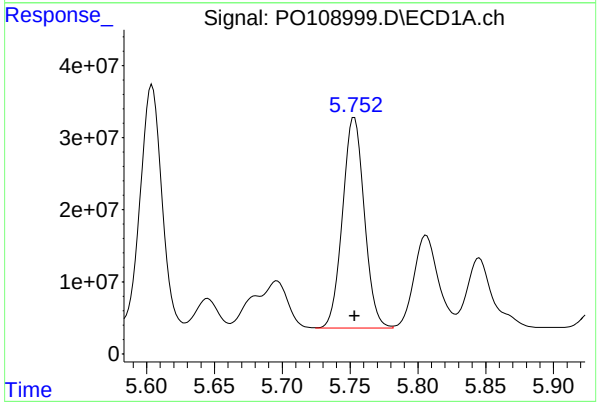
R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 374847163
Conc: 912.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



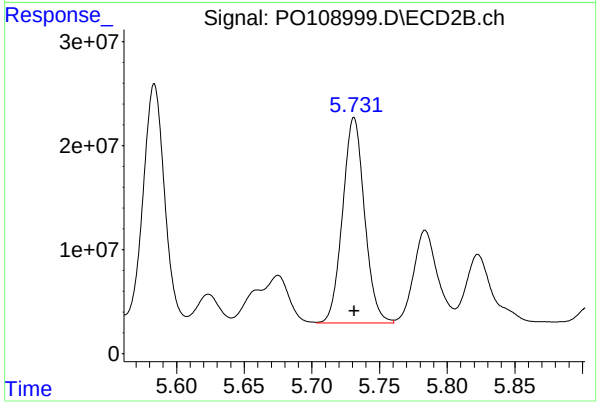
#26 AR-1254-1

R.T.: 5.584 min
Delta R.T.: 0.000 min
Response: 253547823
Conc: 908.97 ng/ml



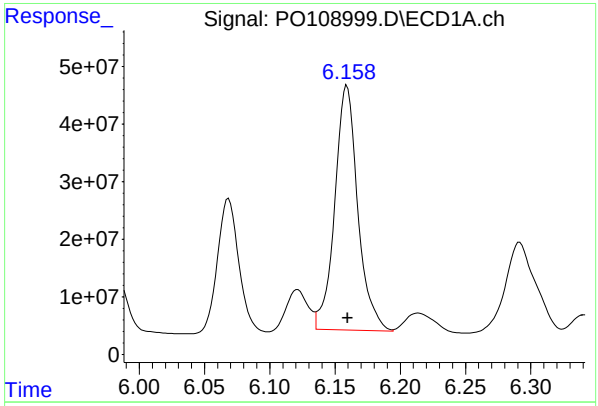
#27 AR-1254-2

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 325342531
Conc: 908.61 ng/ml



#27 AR-1254-2

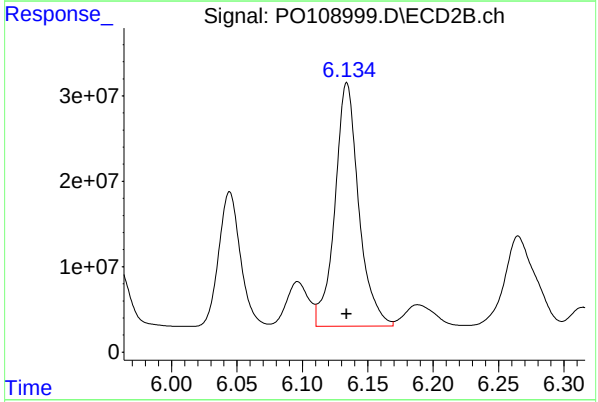
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 223099297
Conc: 901.84 ng/ml



#28 AR-1254-3

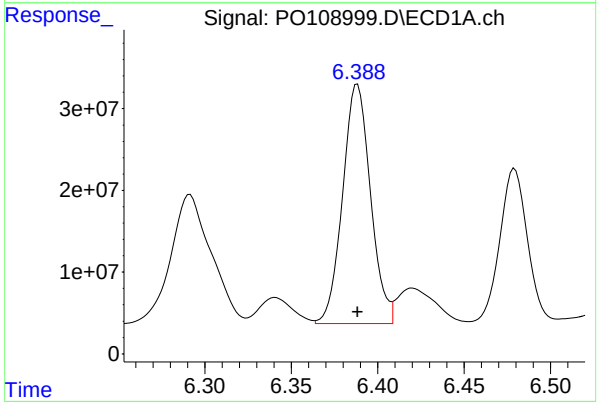
R.T.: 6.159 min
Delta R.T.: 0.000 min
Response: 522141746
Conc: 928.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



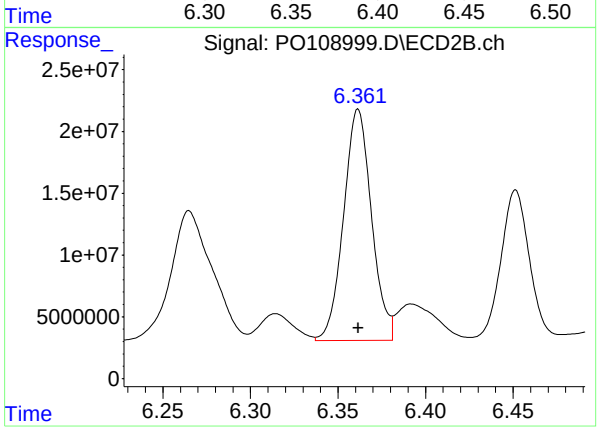
#28 AR-1254-3

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 362340991
Conc: 921.02 ng/ml



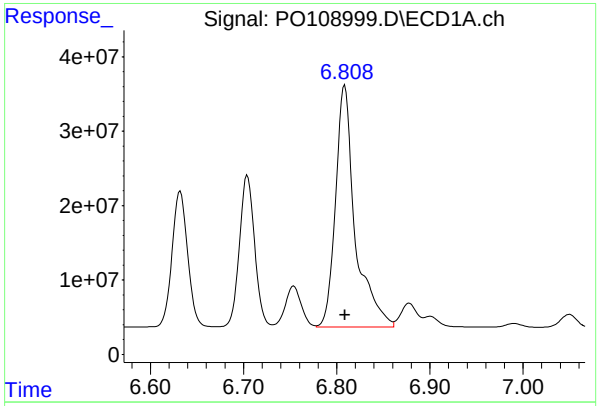
#29 AR-1254-4

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 328382284
Conc: 941.81 ng/ml



#29 AR-1254-4

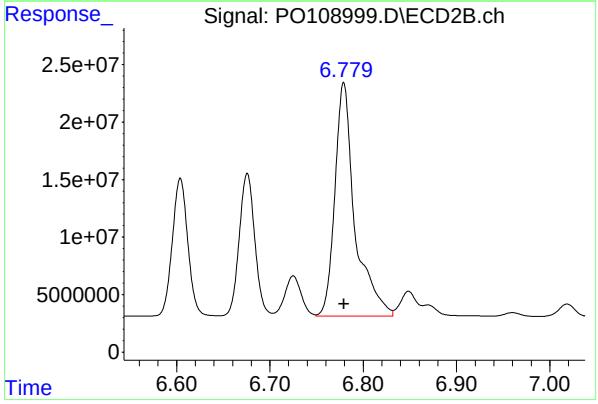
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 207964031
Conc: 934.90 ng/ml



#30 AR-1254-5

R.T.: 6.809 min
Delta R.T.: 0.000 min
Response: 475331089
Conc: 922.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 302636627
Conc: 919.46 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:05
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: Jan 22 01:32:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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...	3.700	3.697	559.0E6	398.9E6	72.809	73.026
2)	SA Decachlor...	8.760	8.712	477.1E6	234.4E6	71.686	71.584
	Target Compounds						
26)	L6 AR-1254-1	5.605	5.584	292.1E6	198.5E6	711.202	711.673
27)	L6 AR-1254-2	5.753	5.731	254.5E6	174.6E6	710.646	705.659
28)	L6 AR-1254-3	6.159	6.135	405.4E6	281.8E6	720.506	716.329
29)	L6 AR-1254-4	6.388	6.361	249.0E6	159.5E6	714.220	717.239
30)	L6 AR-1254-5	6.809	6.780	367.5E6	235.0E6	713.514	713.937

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

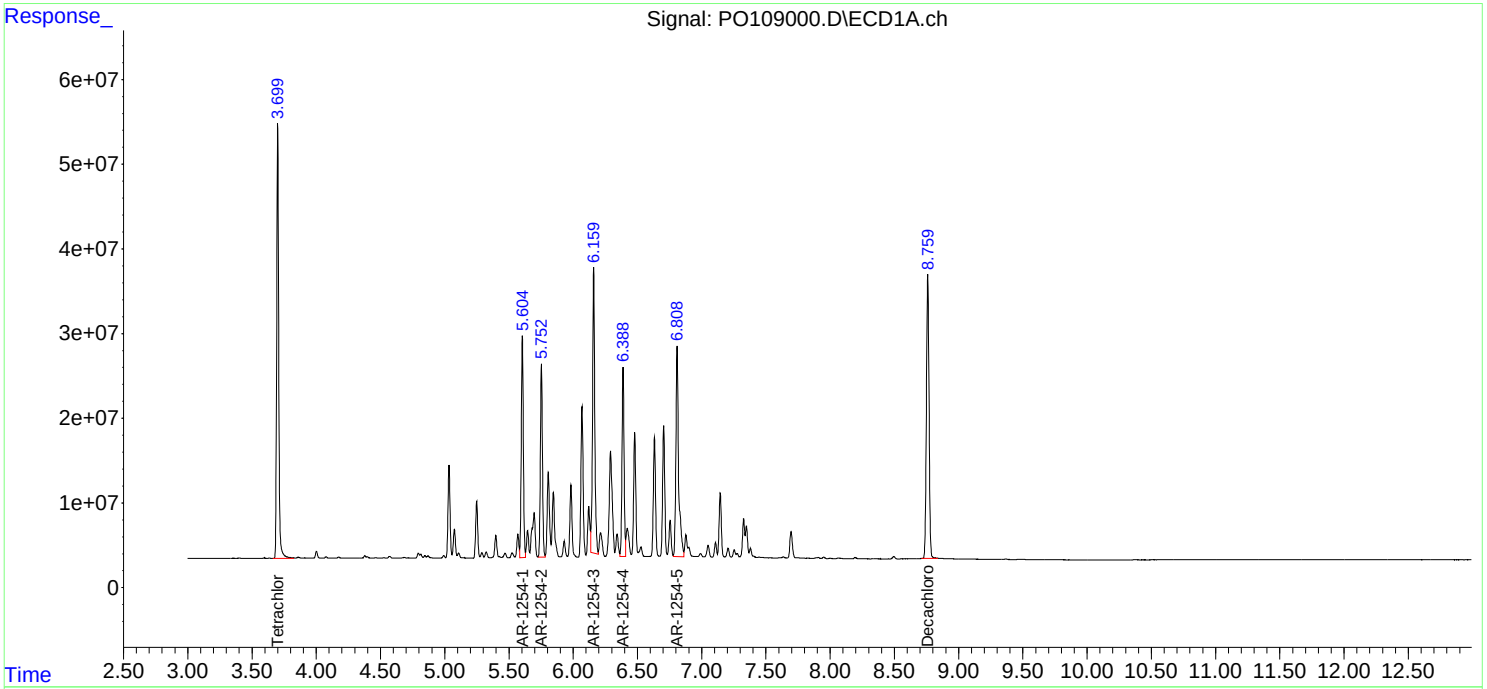
ICAL Form

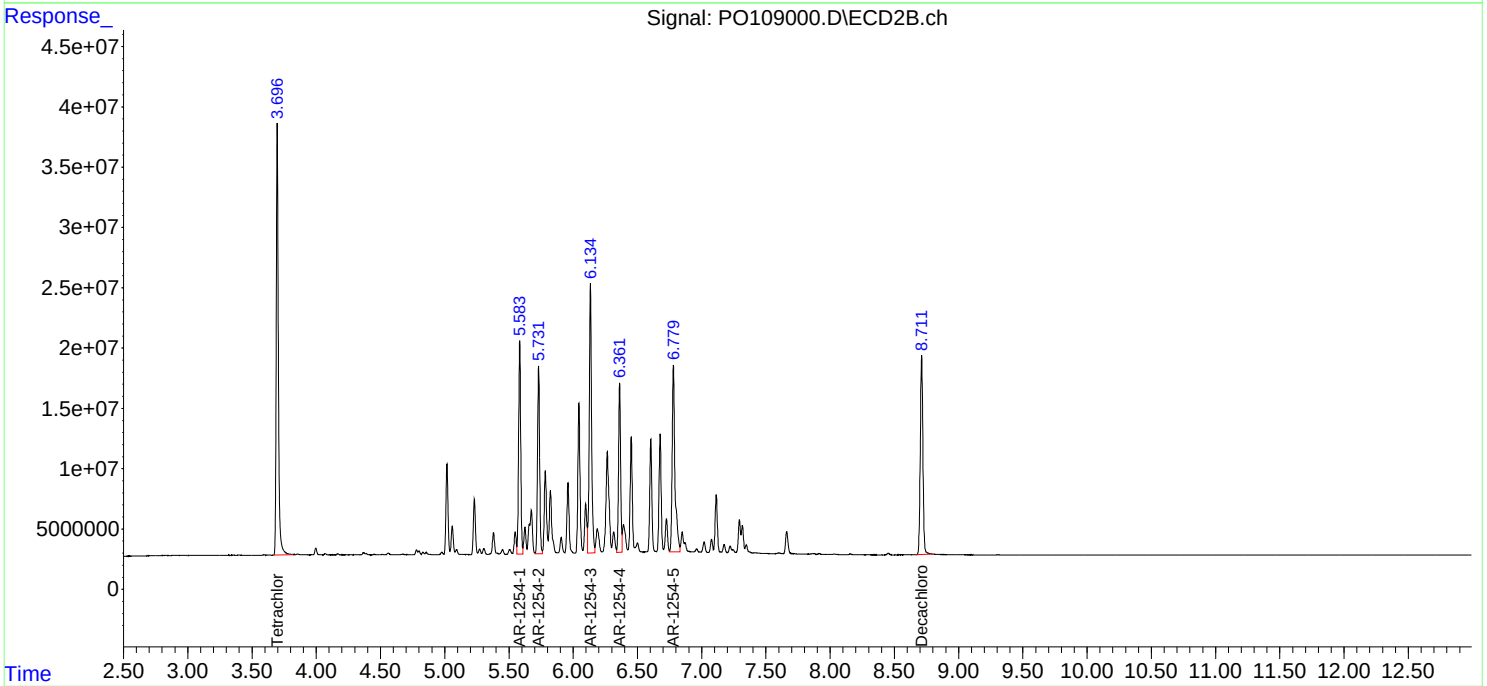
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:05
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

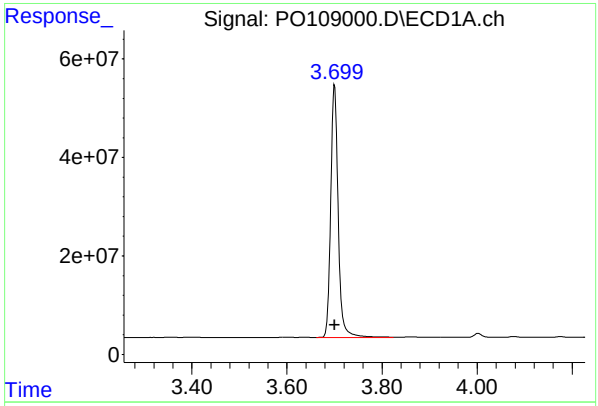
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:32:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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



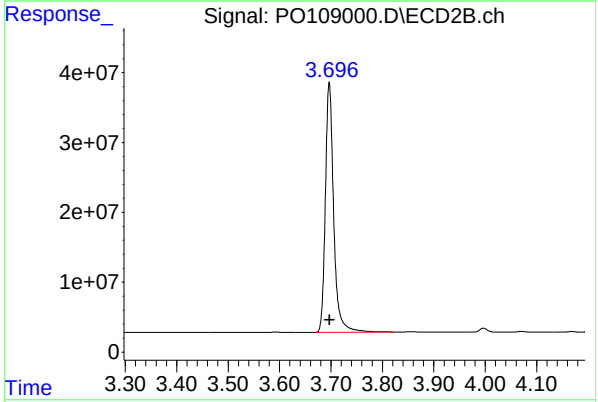




#1 Tetrachloro-m-xylene

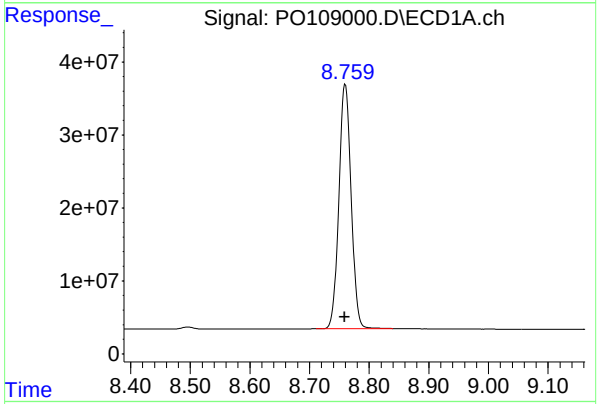
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 558981068
Conc: 72.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



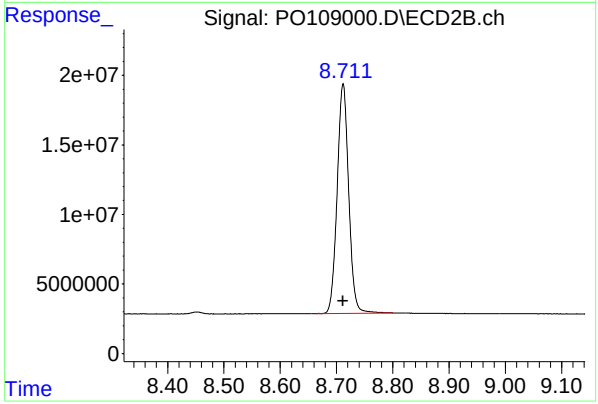
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 398888398
Conc: 73.03 ng/ml



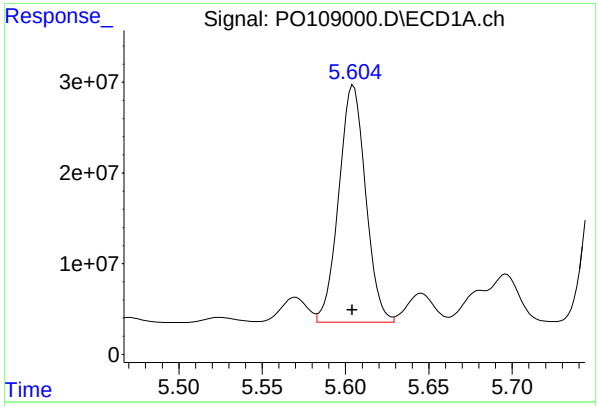
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.001 min
Response: 477072686
Conc: 71.69 ng/ml



#2 Decachlorobiphenyl

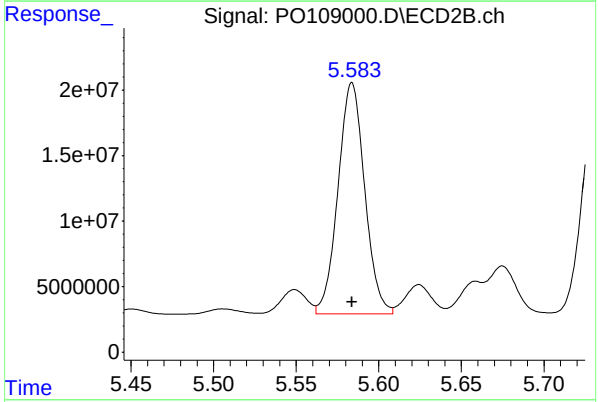
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 234395658
Conc: 71.58 ng/ml



#26 AR-1254-1

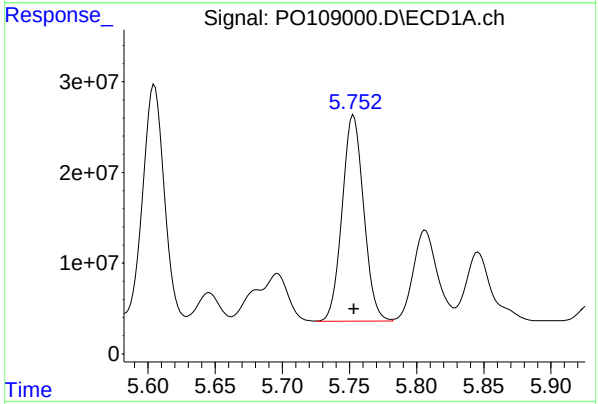
R.T.: 5.605 min
Delta R.T.: 0.000 min
Response: 292089186
Conc: 711.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



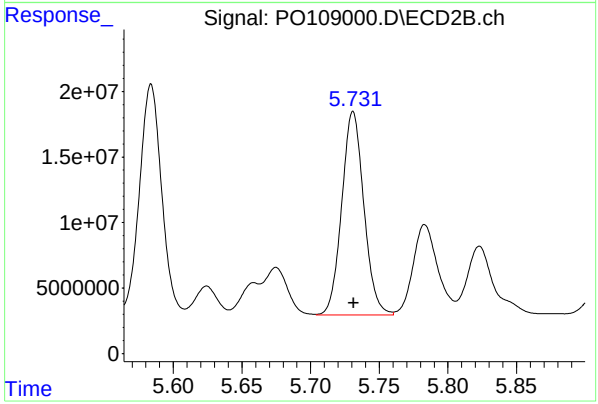
#26 AR-1254-1

R.T.: 5.584 min
Delta R.T.: 0.000 min
Response: 198514804
Conc: 711.67 ng/ml



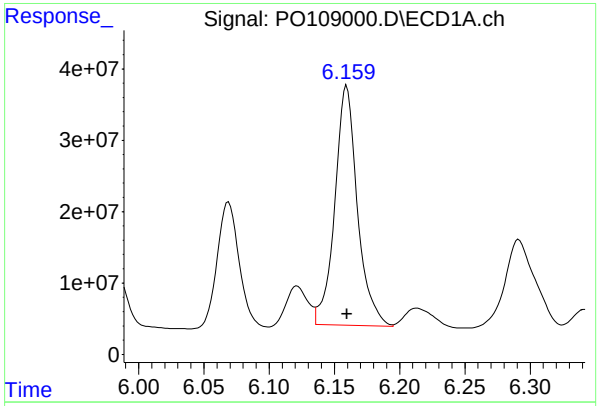
#27 AR-1254-2

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 254458580
Conc: 710.65 ng/ml



#27 AR-1254-2

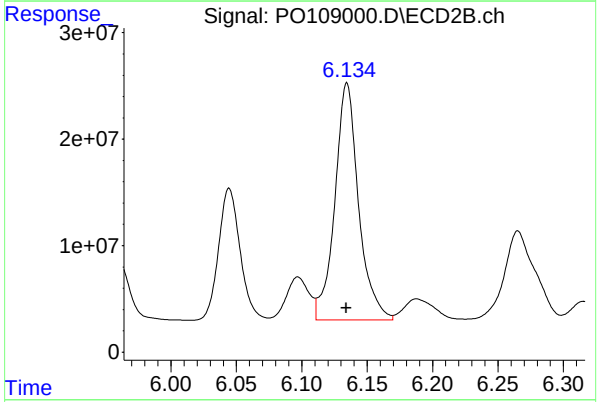
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 174568135
Conc: 705.66 ng/ml



#28 AR-1254-3

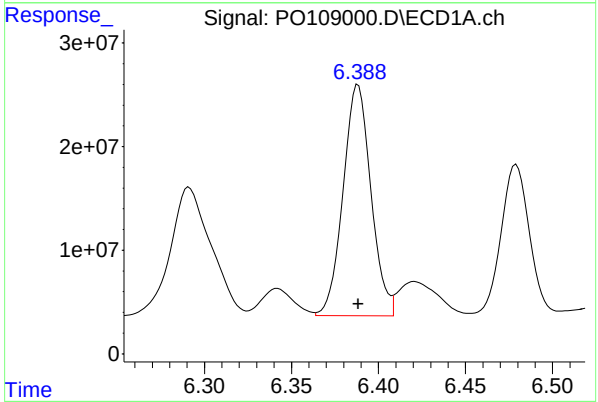
R.T.: 6.159 min
Delta R.T.: 0.000 min
Response: 405369970
Conc: 720.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



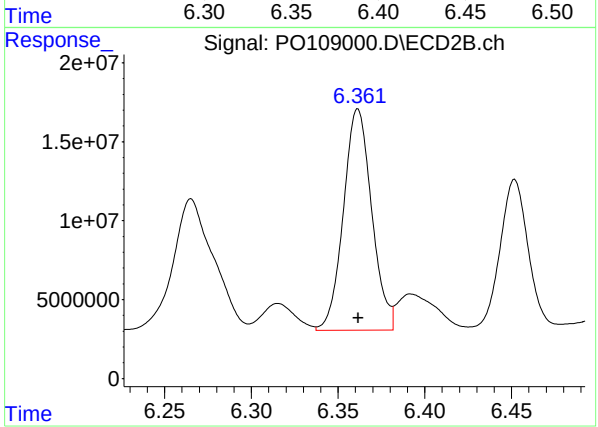
#28 AR-1254-3

R.T.: 6.135 min
Delta R.T.: 0.000 min
Response: 281813098
Conc: 716.33 ng/ml



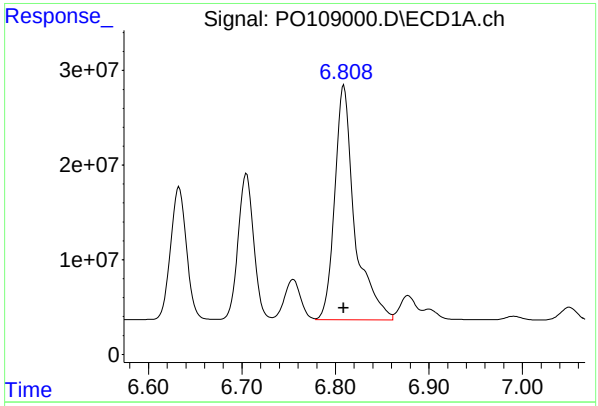
#29 AR-1254-4

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 249029476
Conc: 714.22 ng/ml



#29 AR-1254-4

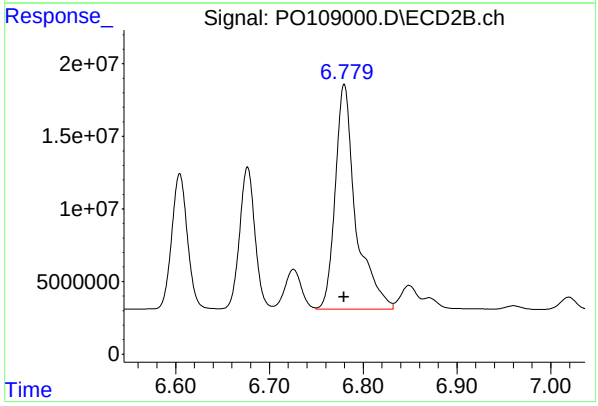
R.T.: 6.361 min
Delta R.T.: 0.000 min
Response: 159546693
Conc: 717.24 ng/ml



#30 AR-1254-5

R.T.: 6.809 min
Delta R.T.: 0.000 min
Response: 367485024
Conc: 713.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.780 min
Delta R.T.: 0.000 min
Response: 234989825
Conc: 713.94 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:23
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: Jan 22 01:32:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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...	3.700	3.697	383.9E6	273.1E6	50.000	50.000
2)	SA Decachlor...	8.759	8.711	332.8E6	163.7E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.604	5.584	205.3E6	139.5E6	500.000	500.000
27)	L6 AR-1254-2	5.753	5.731	179.0E6	123.7E6	500.000	500.000
28)	L6 AR-1254-3	6.160	6.134	281.3E6	196.7E6	500.000	500.000
29)	L6 AR-1254-4	6.388	6.362	174.3E6	111.2E6	500.000	500.000
30)	L6 AR-1254-5	6.809	6.779	257.5E6	164.6E6	500.000	500.000

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

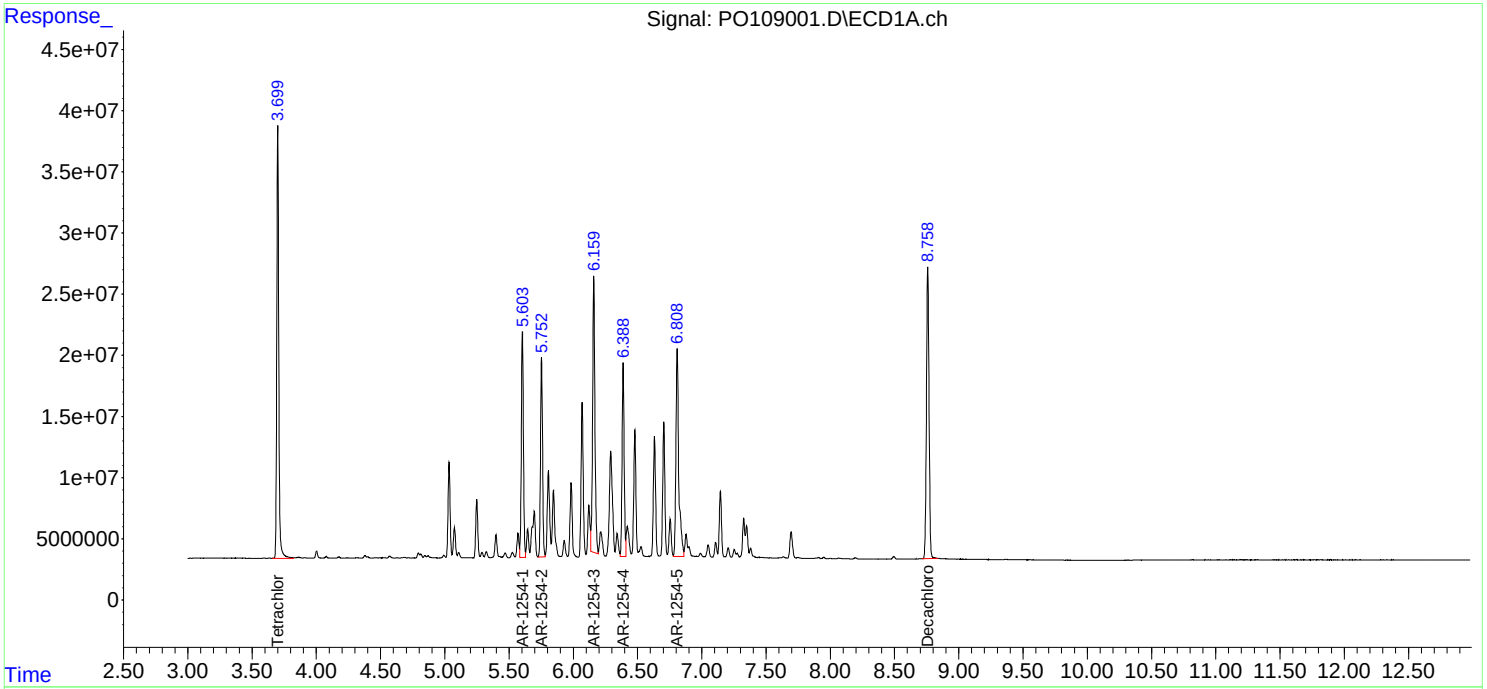
ICAL Form

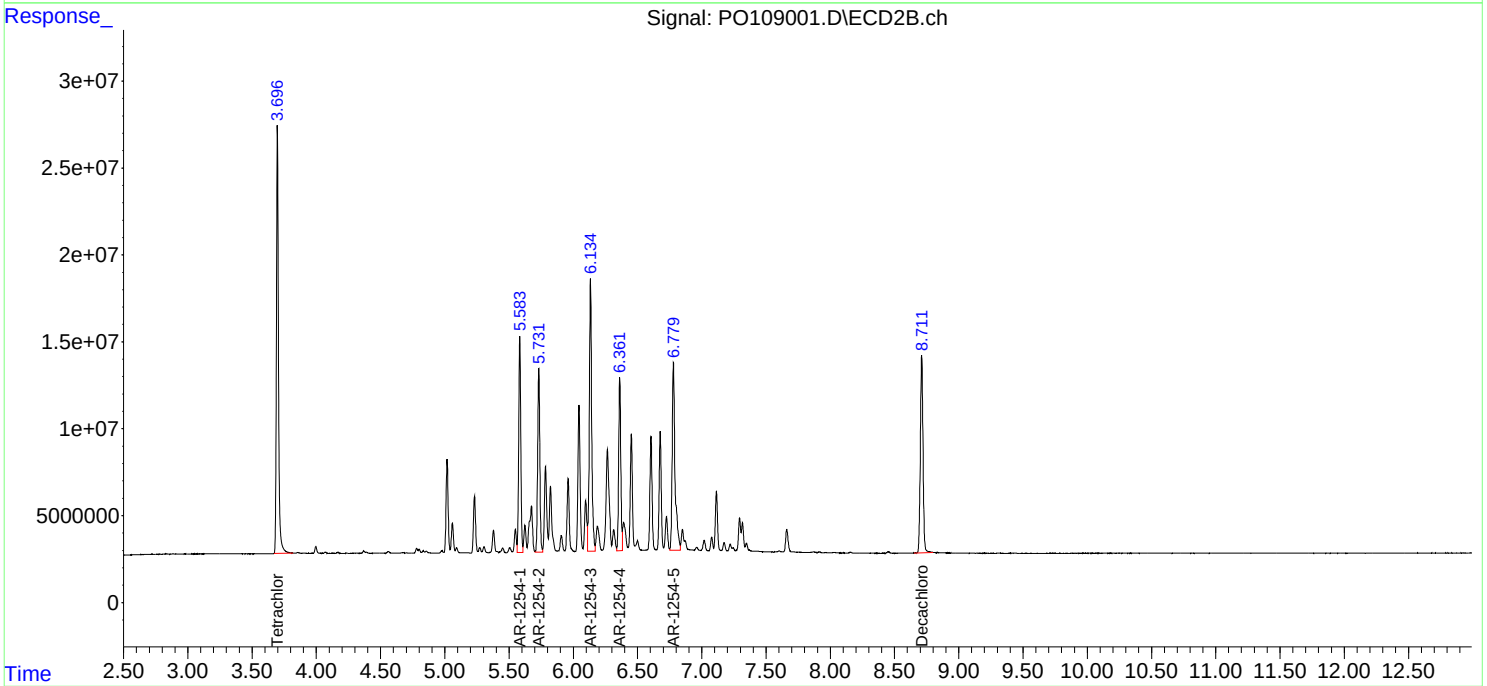
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:23
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

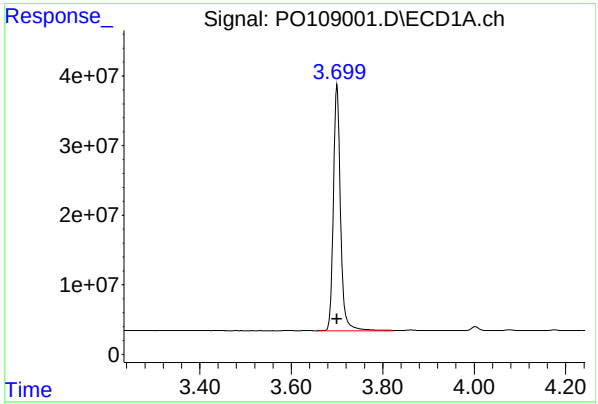
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:32:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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



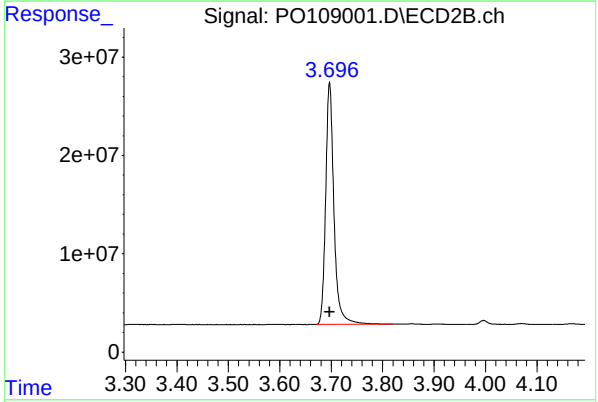




#1 Tetrachloro-m-xylene

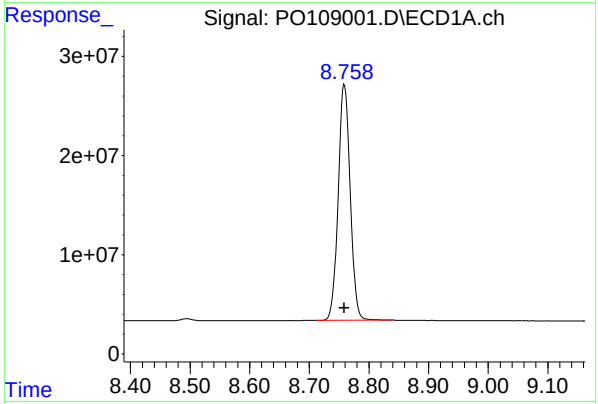
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 383870240
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



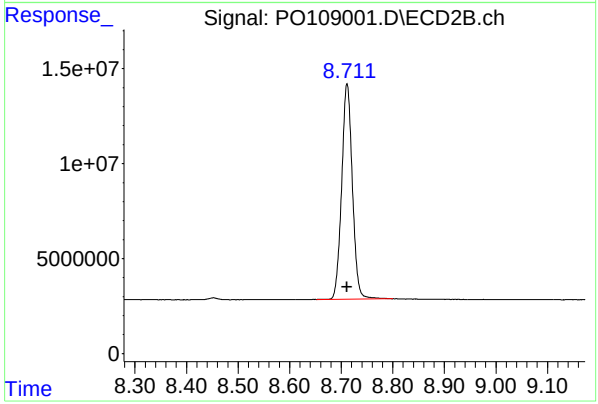
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 273112870
Conc: 50.00 ng/ml



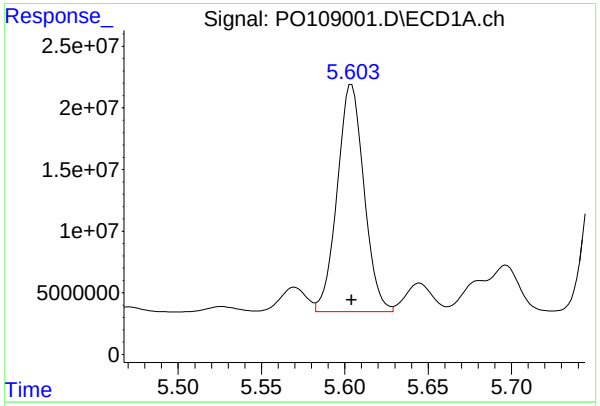
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 332752155
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

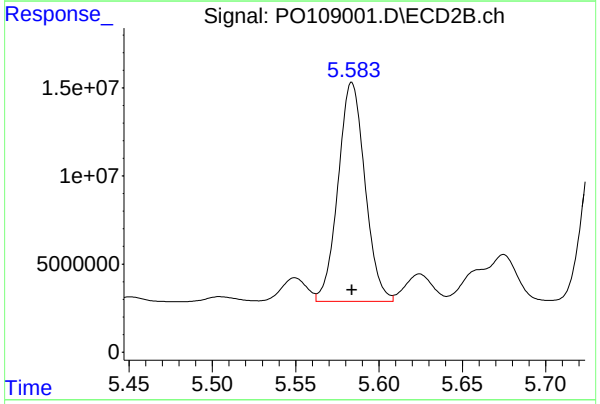
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 163720404
Conc: 50.00 ng/ml



#26 AR-1254-1

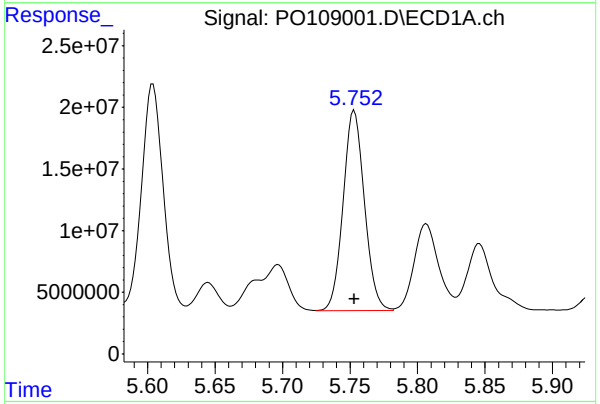
R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 205348918
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



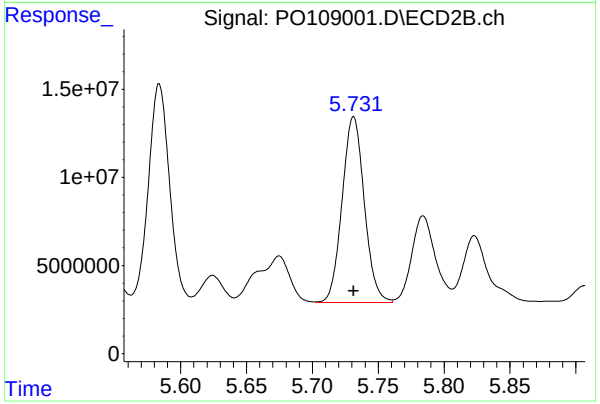
#26 AR-1254-1

R.T.: 5.584 min
Delta R.T.: 0.000 min
Response: 139470494
Conc: 500.00 ng/ml



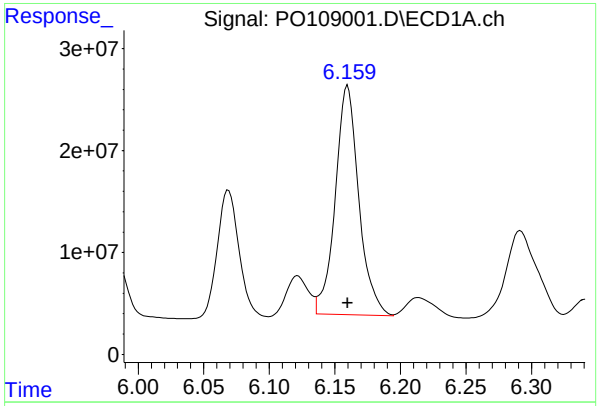
#27 AR-1254-2

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 179033384
Conc: 500.00 ng/ml



#27 AR-1254-2

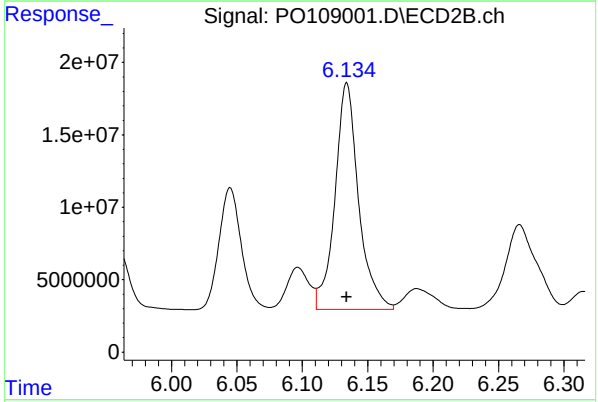
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 123691637
Conc: 500.00 ng/ml



#28 AR-1254-3

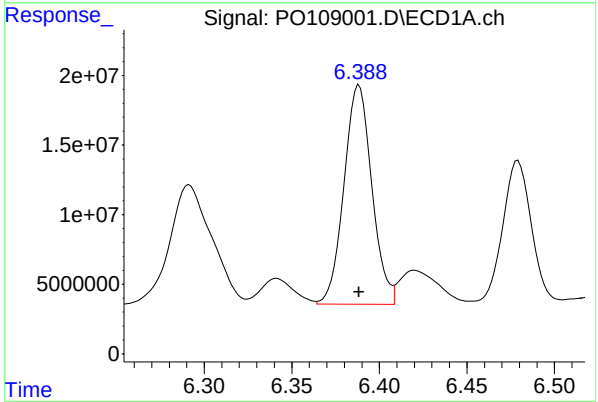
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 281309286
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



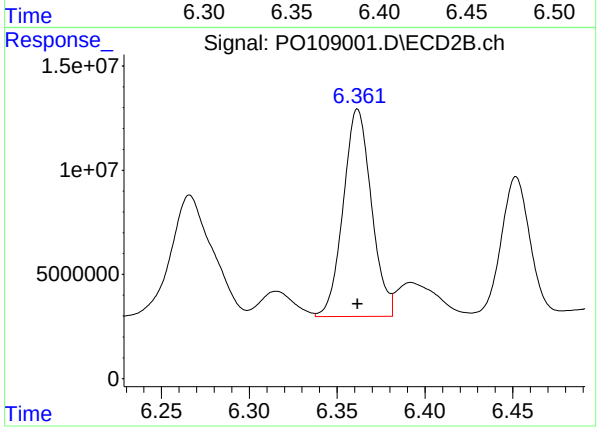
#28 AR-1254-3

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 196706440
Conc: 500.00 ng/ml



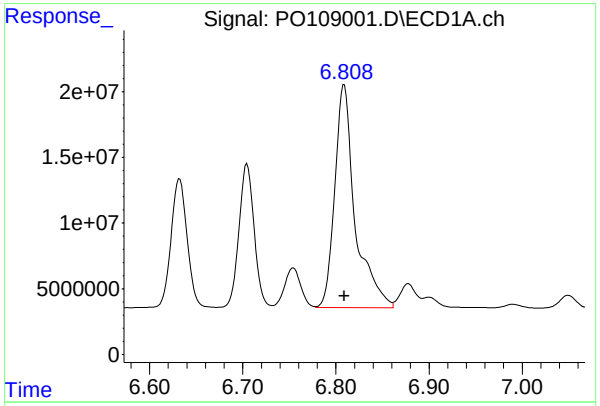
#29 AR-1254-4

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 174336631
Conc: 500.00 ng/ml



#29 AR-1254-4

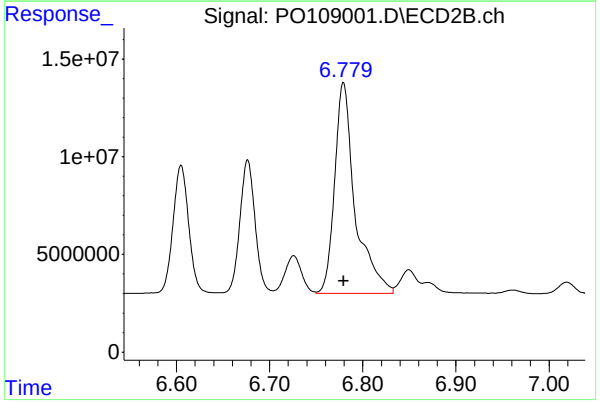
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 111222840
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.809 min
Delta R.T.: 0.000 mi
Response: 257517779
Conc: 500.00 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 164573286
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:42
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: Jan 22 01:32:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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...	3.700	3.698	192.2E6	136.4E6	25.029	24.964
2)	SA Decachlor...	8.761	8.712	174.0E6	87026452	26.148	26.578
	Target Compounds						
26)	L6 AR-1254-1	5.605	5.585	108.4E6	73791093	263.852	264.540
27)	L6 AR-1254-2	5.754	5.732	95322270	65724022	266.214	265.677
28)	L6 AR-1254-3	6.160	6.136	146.9E6	102.5E6	261.012	260.424
29)	L6 AR-1254-4	6.390	6.362	90259258	57822400	258.865	259.939
30)	L6 AR-1254-5	6.810	6.781	134.4E6	85778774	260.980	260.610

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

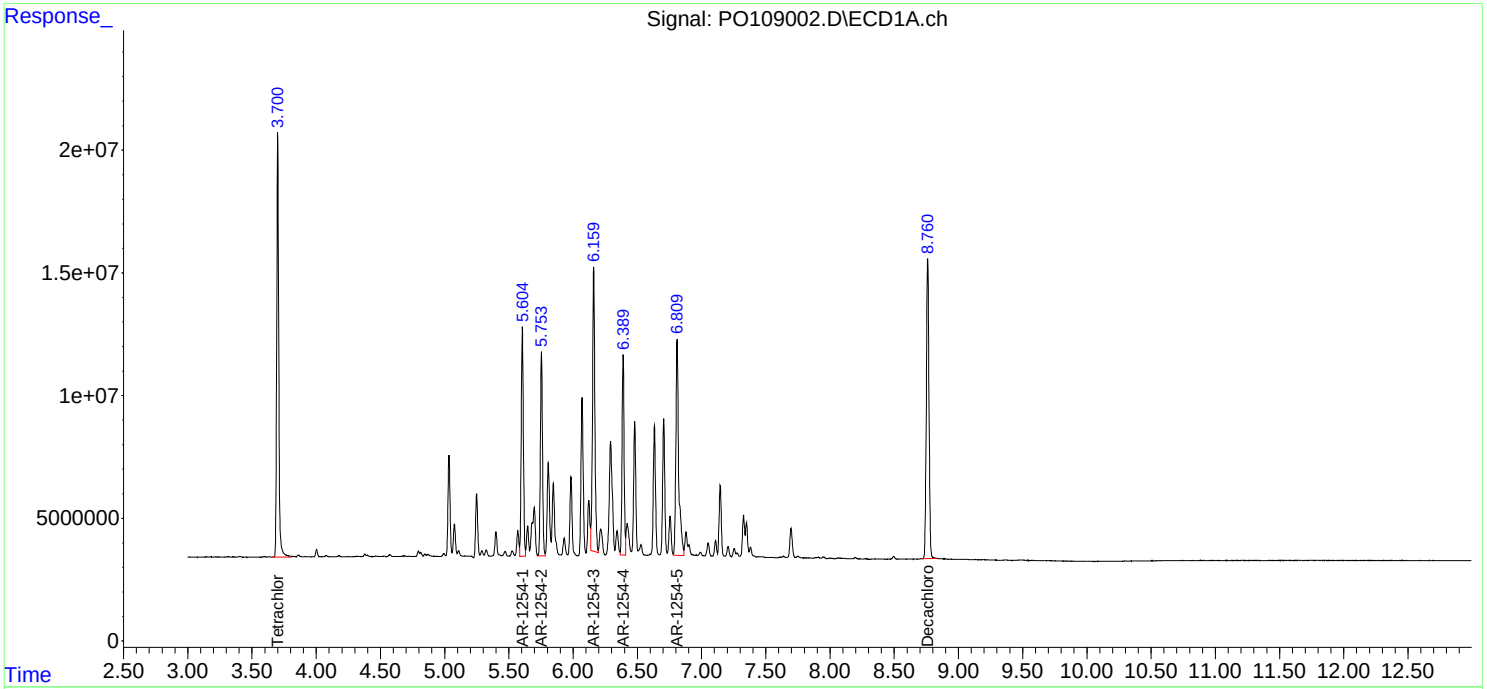
ICAL Form

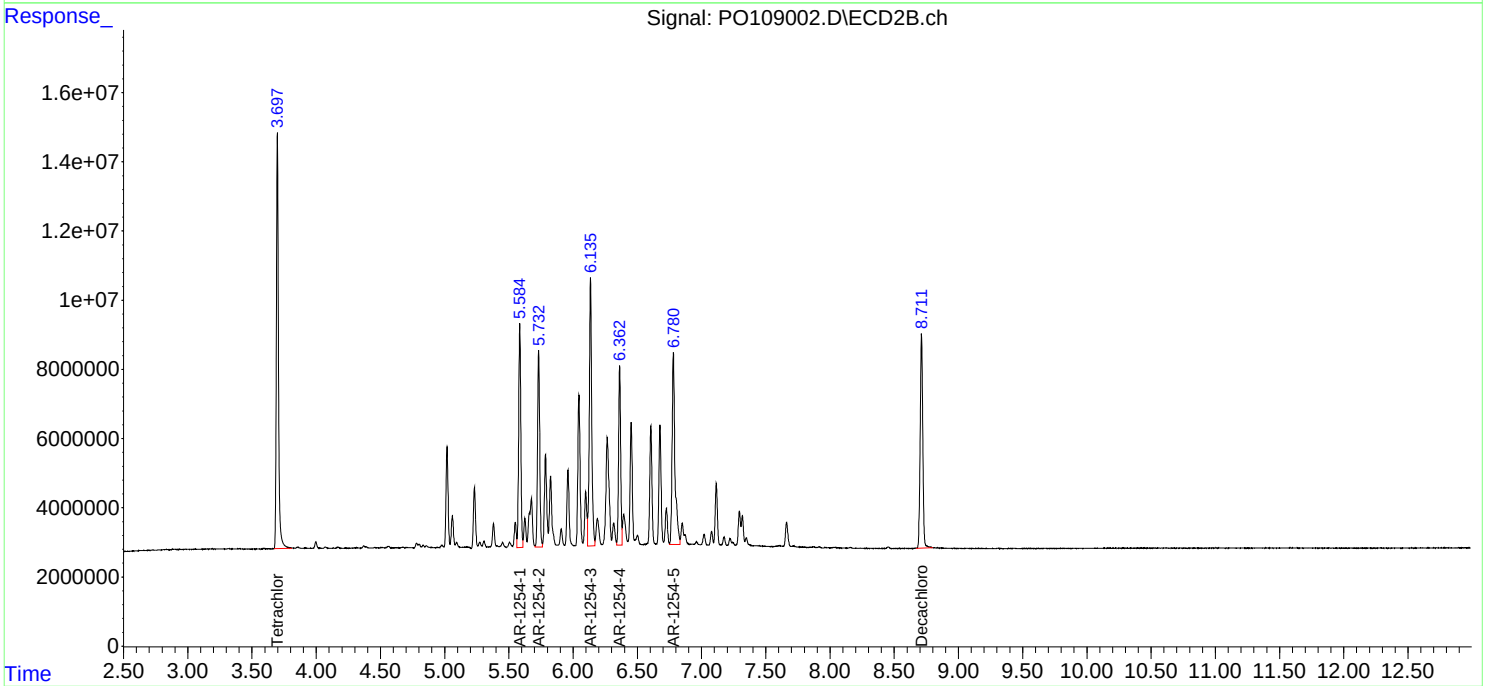
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:42
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

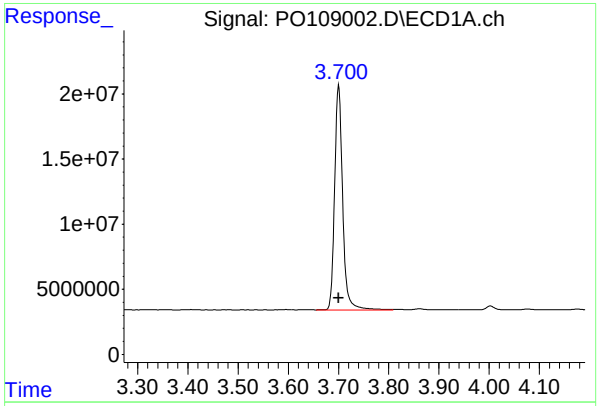
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:32:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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



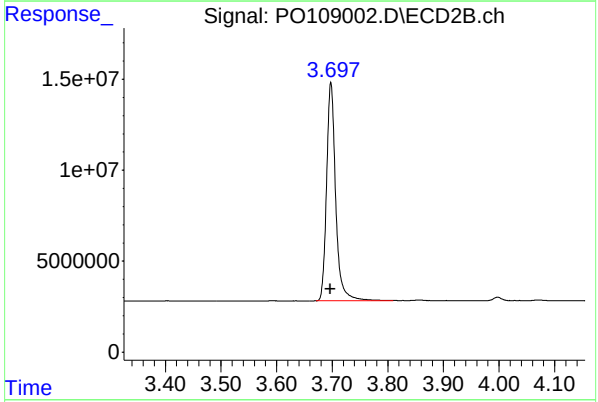




#1 Tetrachloro-m-xylene

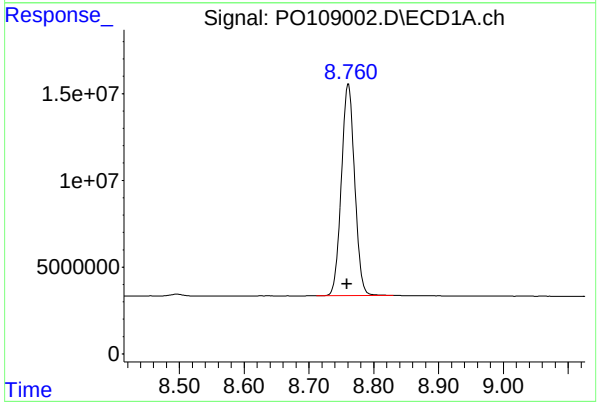
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 192156291
Conc: 25.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



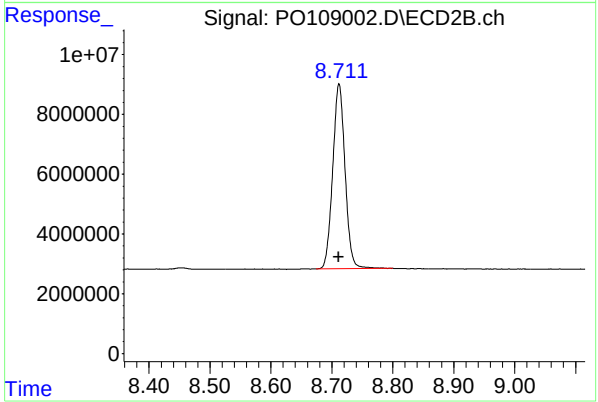
#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 136359162
Conc: 24.96 ng/ml



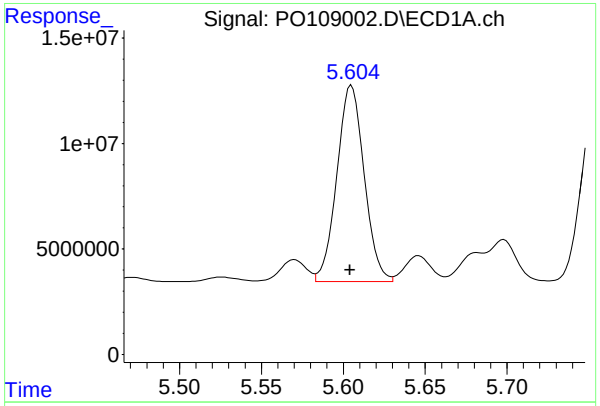
#2 Decachlorobiphenyl

R.T.: 8.761 min
Delta R.T.: 0.002 min
Response: 174016943
Conc: 26.15 ng/ml



#2 Decachlorobiphenyl

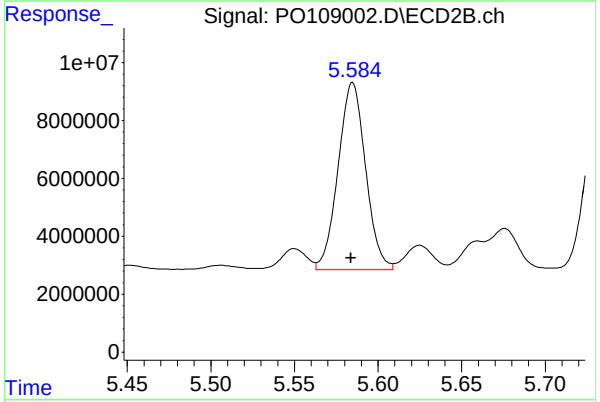
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 87026452
Conc: 26.58 ng/ml



#26 AR-1254-1

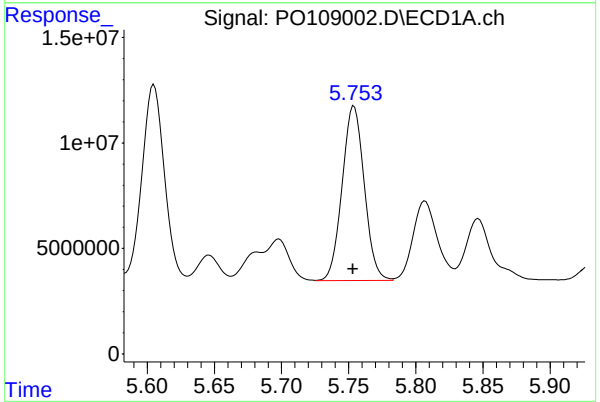
R.T.: 5.605 min
Delta R.T.: 0.000 min
Response: 108363517
Conc: 263.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



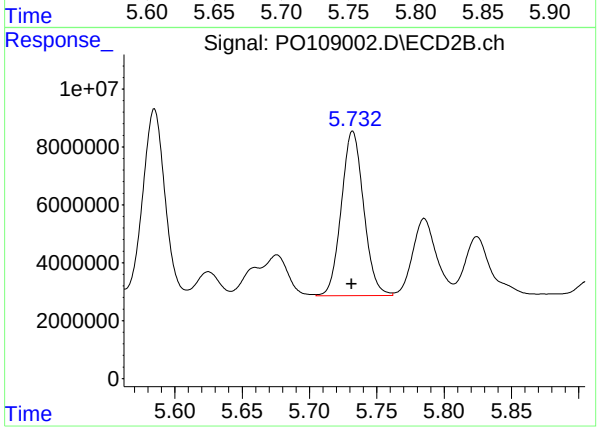
#26 AR-1254-1

R.T.: 5.585 min
Delta R.T.: 0.001 min
Response: 73791093
Conc: 264.54 ng/ml



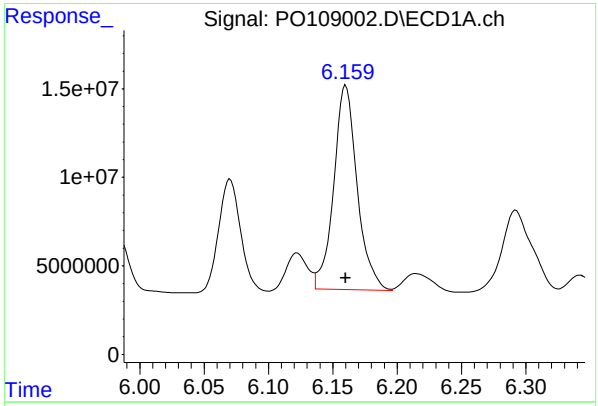
#27 AR-1254-2

R.T.: 5.754 min
Delta R.T.: 0.000 min
Response: 95322270
Conc: 266.21 ng/ml



#27 AR-1254-2

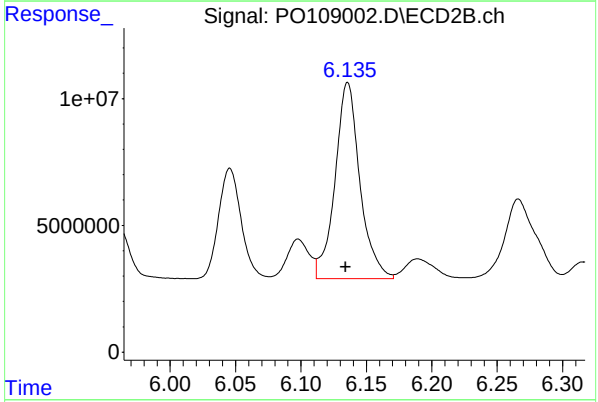
R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 65724022
Conc: 265.68 ng/ml



#28 AR-1254-3

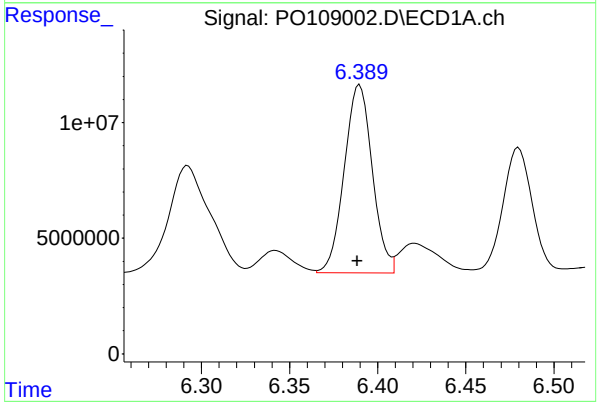
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 146850240
Conc: 261.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



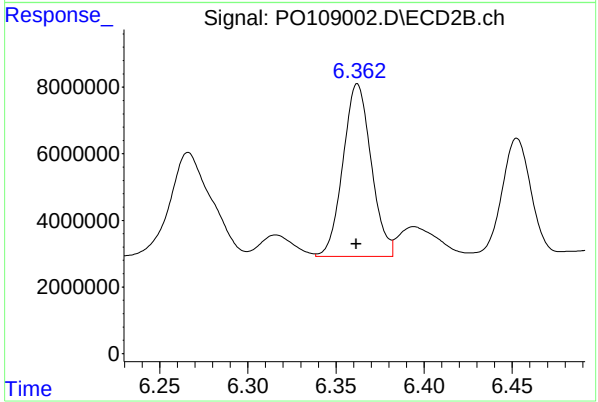
#28 AR-1254-3

R.T.: 6.136 min
Delta R.T.: 0.002 min
Response: 102454294
Conc: 260.42 ng/ml



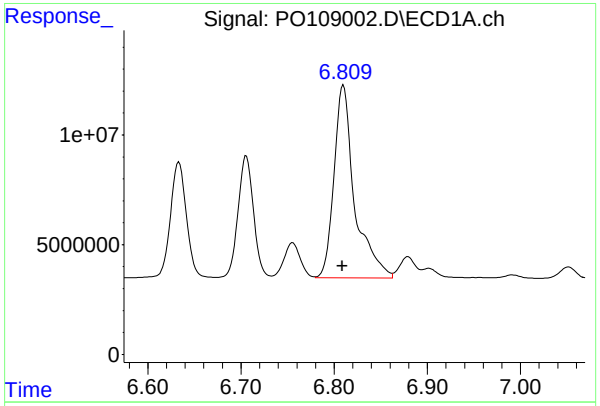
#29 AR-1254-4

R.T.: 6.390 min
Delta R.T.: 0.001 min
Response: 90259258
Conc: 258.86 ng/ml



#29 AR-1254-4

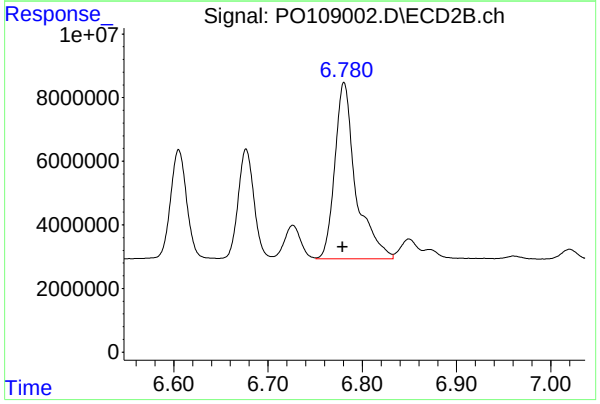
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 57822400
Conc: 259.94 ng/ml



#30 AR-1254-5

R.T.: 6.810 min
Delta R.T.: 0.001 mi
Response: 134413962
Conc: 260.98 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.781 min
Delta R.T.: 0.001 min
Response: 85778774
Conc: 260.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:00
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:32:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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...	3.700	3.696	36686751	25840105	4.779	4.731
2)	SA Decachlor...	8.760	8.711	36021189	17961349	5.413	5.485
	Target Compounds						
26)	L6 AR-1254-1	5.604	5.583	22960266	15653784	55.905	56.119
27)	L6 AR-1254-2	5.753	5.731	20257631	14258814	56.575	57.639
28)	L6 AR-1254-3	6.160	6.134	30397541	21139481	54.029	53.734
29)	L6 AR-1254-4	6.388	6.361	17648522	11366616	50.616	51.098
30)	L6 AR-1254-5	6.809	6.779	27374113	17267837	53.150	52.462

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

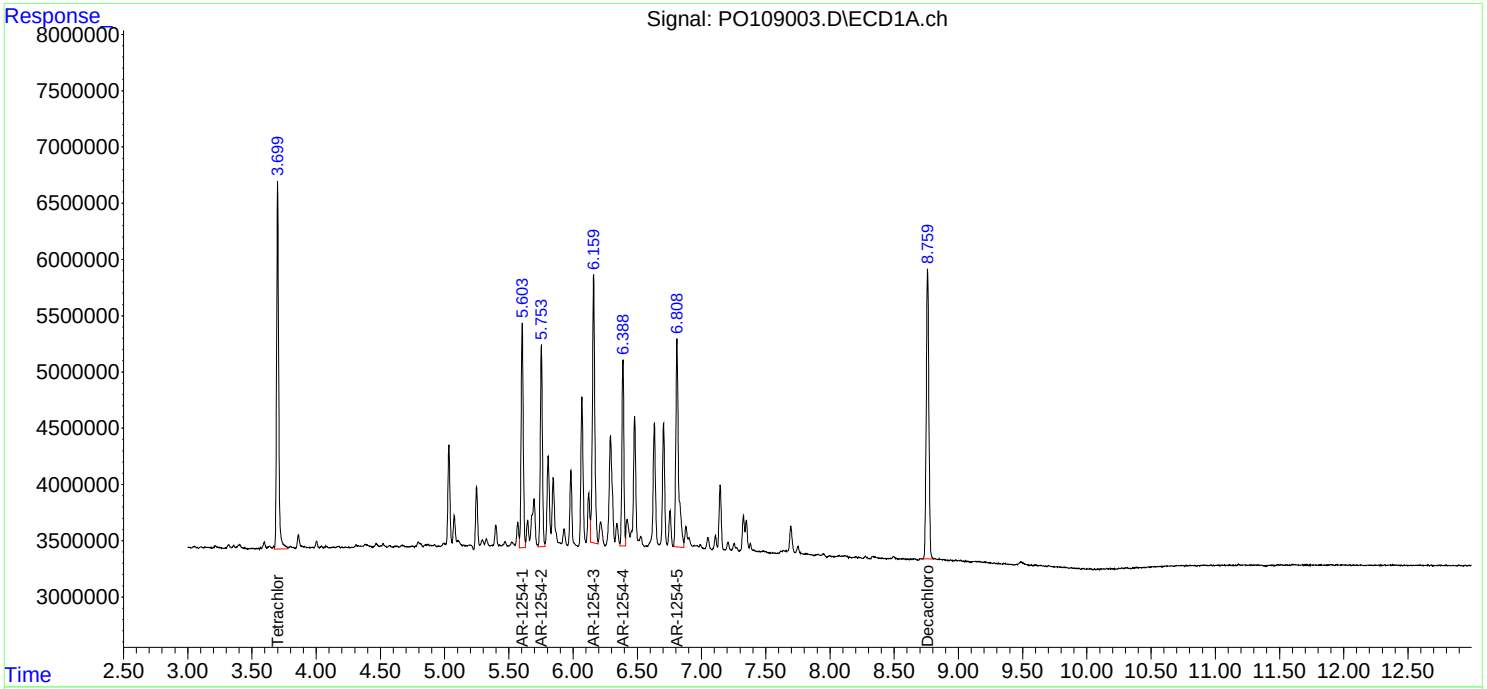
ICAL Form

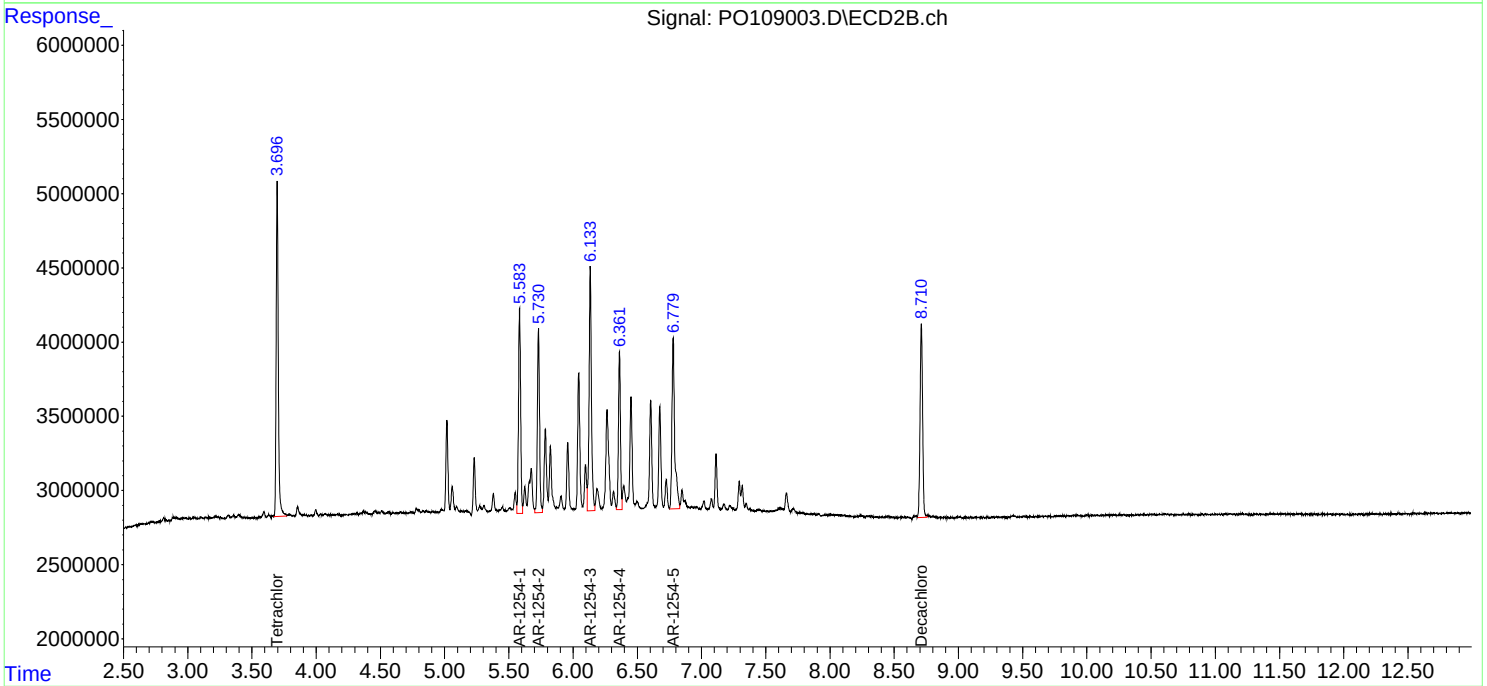
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:00
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

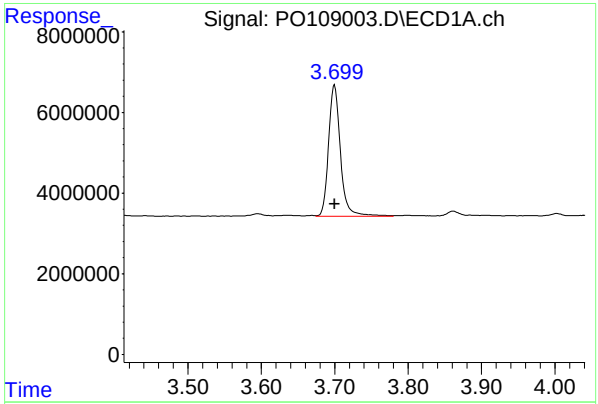
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:32:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:28:38 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



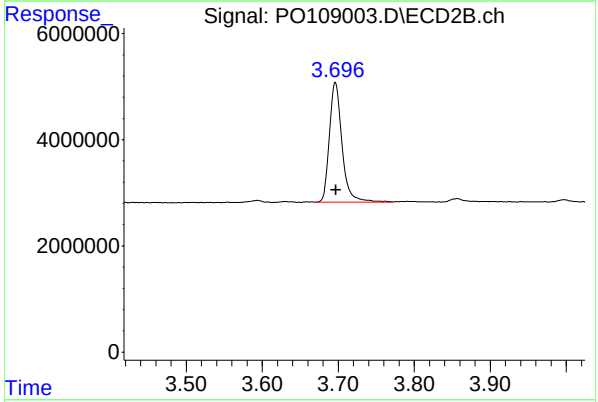




#1 Tetrachloro-m-xylene

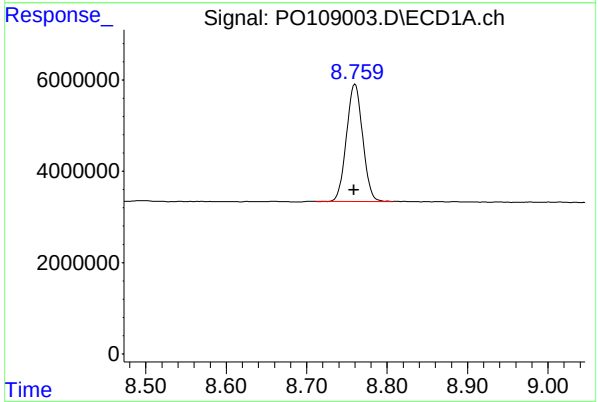
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 36686751
Conc: 4.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



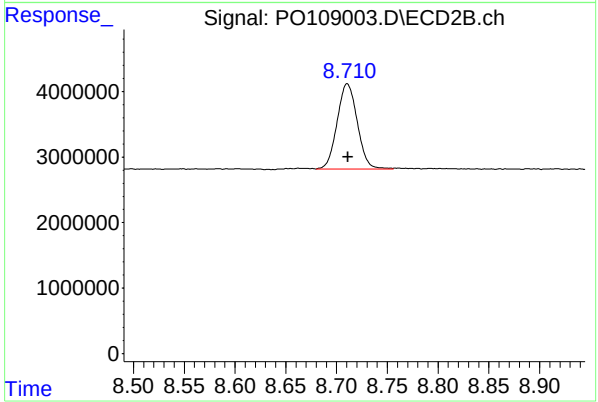
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 25840105
Conc: 4.73 ng/ml



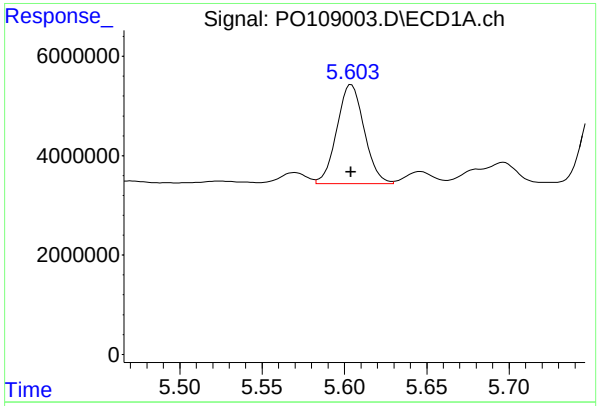
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.001 min
Response: 36021189
Conc: 5.41 ng/ml



#2 Decachlorobiphenyl

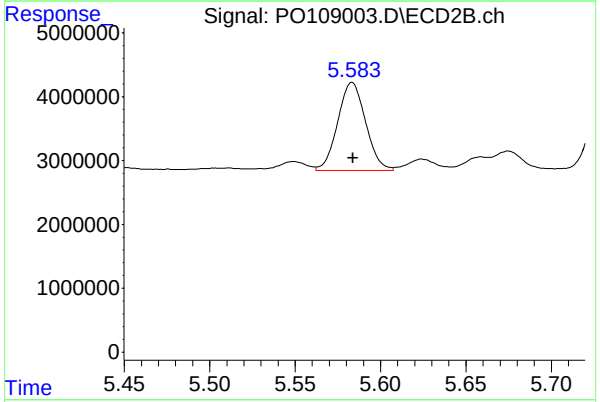
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 17961349
Conc: 5.49 ng/ml



#26 AR-1254-1

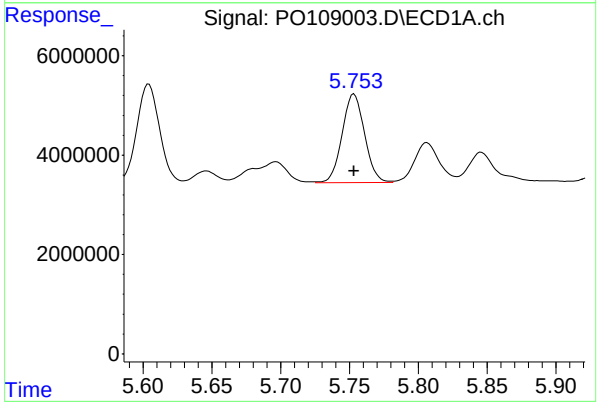
R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 22960266
Conc: 55.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



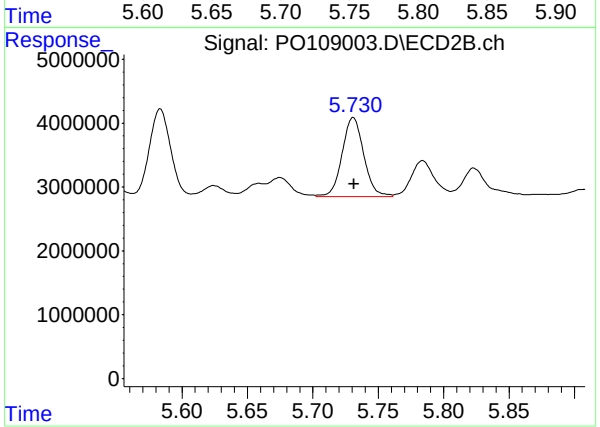
#26 AR-1254-1

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 15653784
Conc: 56.12 ng/ml



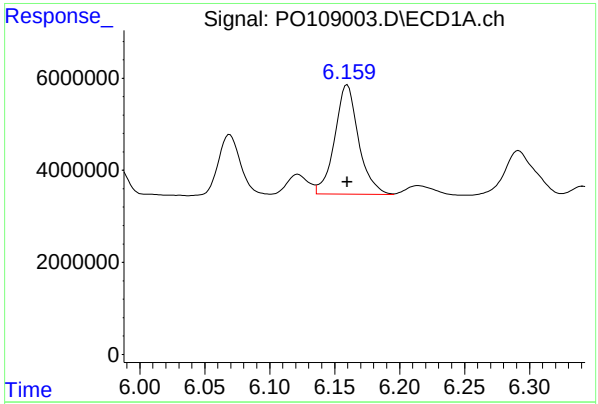
#27 AR-1254-2

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 20257631
Conc: 56.58 ng/ml



#27 AR-1254-2

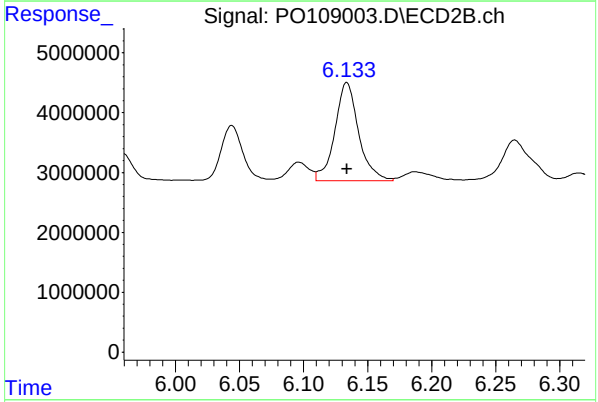
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 14258814
Conc: 57.64 ng/ml



#28 AR-1254-3

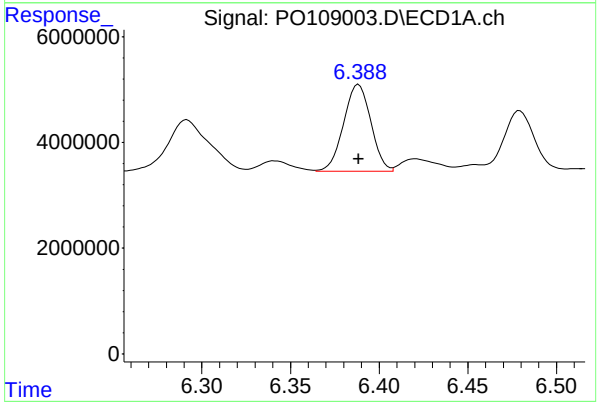
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 30397541
Conc: 54.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



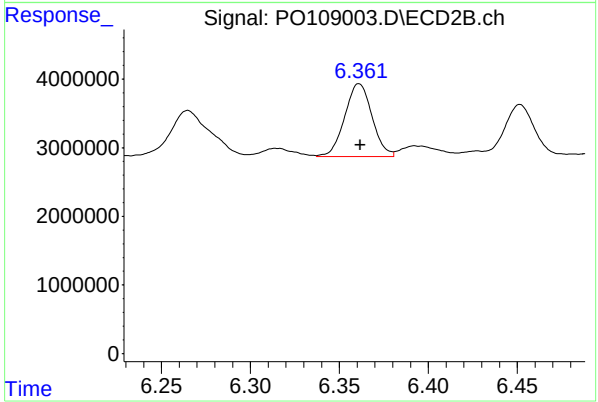
#28 AR-1254-3

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 21139481
Conc: 53.73 ng/ml



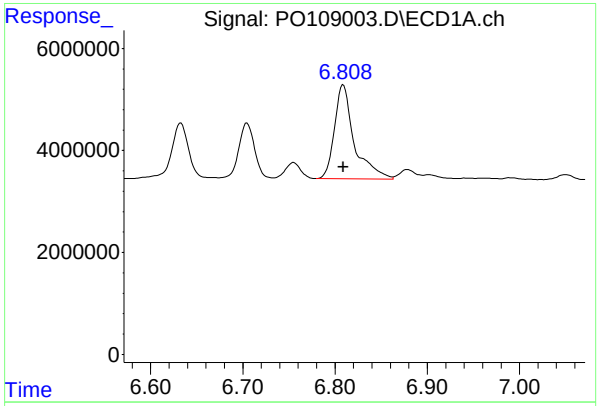
#29 AR-1254-4

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 17648522
Conc: 50.62 ng/ml



#29 AR-1254-4

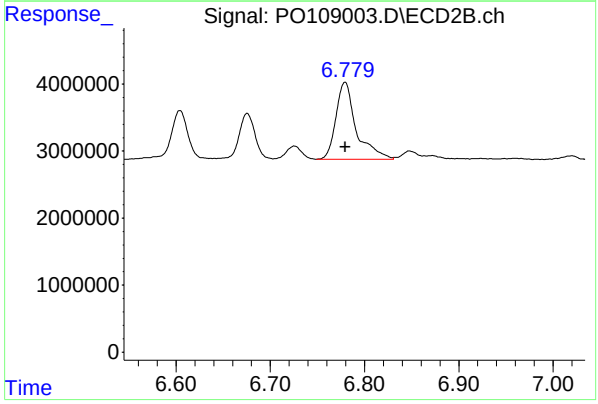
R.T.: 6.361 min
Delta R.T.: 0.000 min
Response: 11366616
Conc: 51.10 ng/ml



#30 AR-1254-5

R.T.: 6.809 min
Delta R.T.: 0.000 mi
Response: 27374113
Conc: 53.15 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 17267837
Conc: 52.46 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:18
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: Jan 22 01:49:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:48:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.697	372.2E6	264.9E6	50.000	50.000
2)	SA Decachlor...	8.759	8.710	321.8E6	159.1E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.848	6.818	267.0E6	170.2E6	500.000	500.000
37)	L8 AR-1262-2	7.349	7.317	459.7E6	277.3E6	500.000	500.000
38)	L8 AR-1262-3	7.635	7.602	182.3E6	107.2E6	500.000	500.000
39)	L8 AR-1262-4	7.698	7.665	343.8E6	195.9E6	500.000	500.000
40)	L8 AR-1262-5	8.196	8.158	151.1E6	79730723	500.000	500.000

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

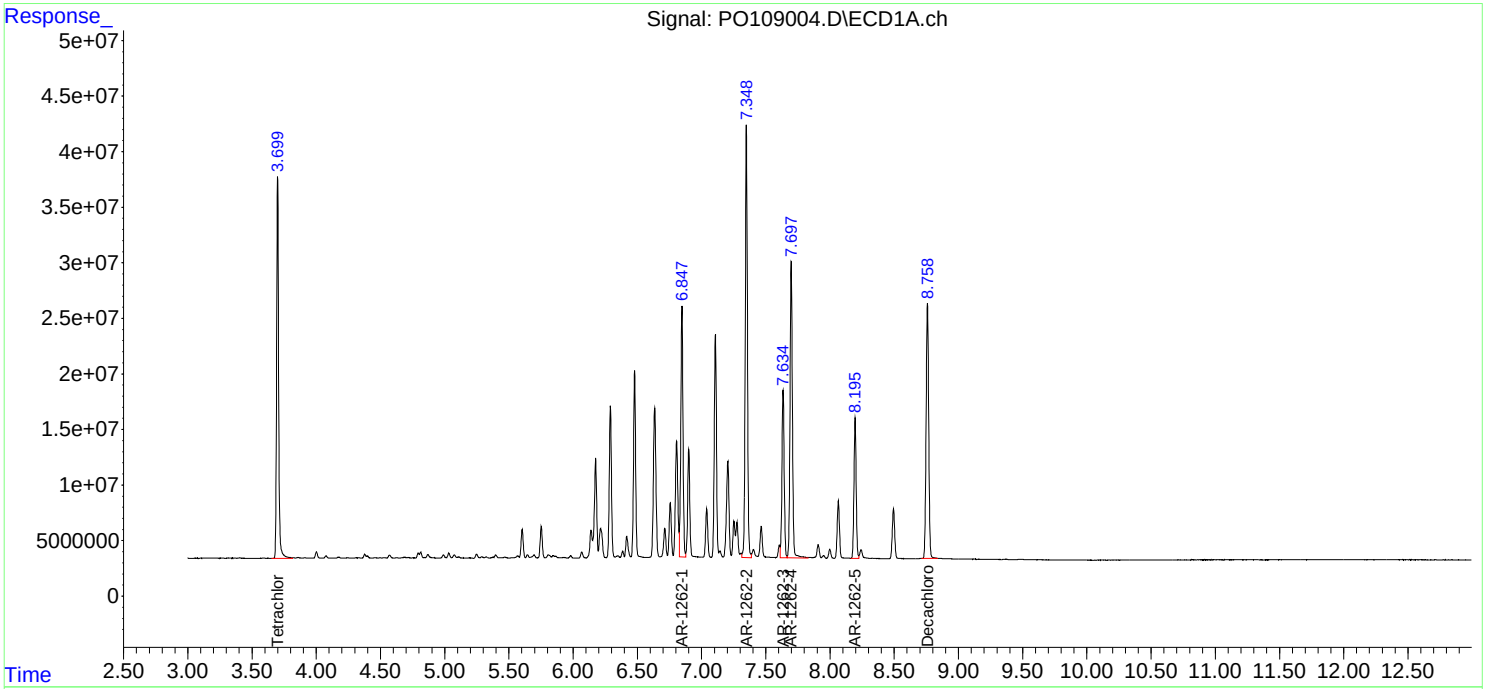
ICAL Form

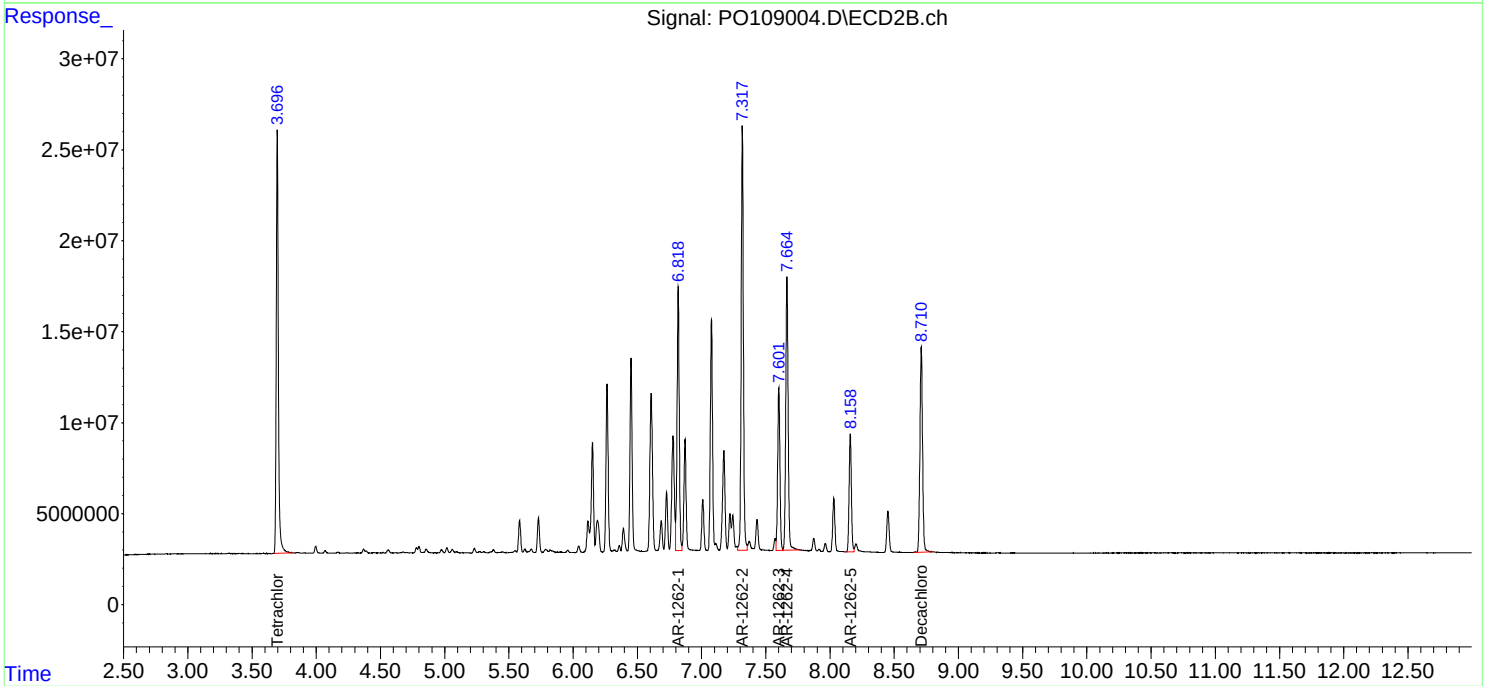
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:18
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

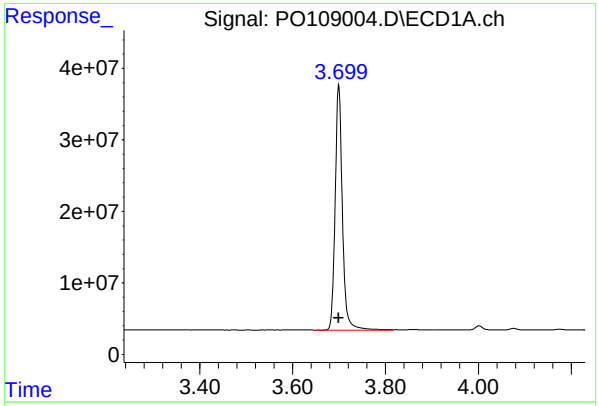
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:49:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:48:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



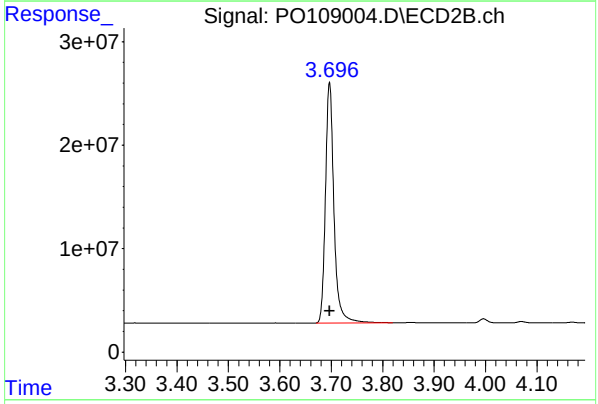




#1 Tetrachloro-m-xylene

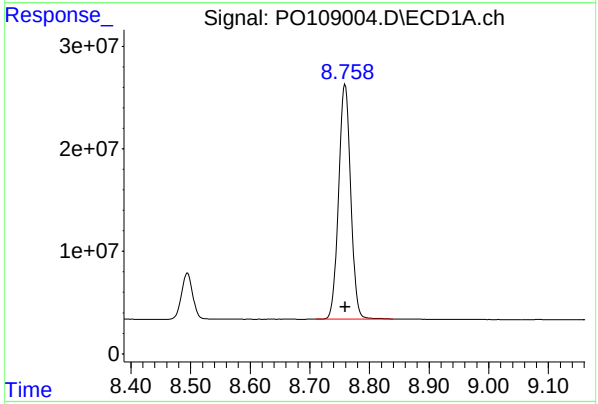
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 372172354
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



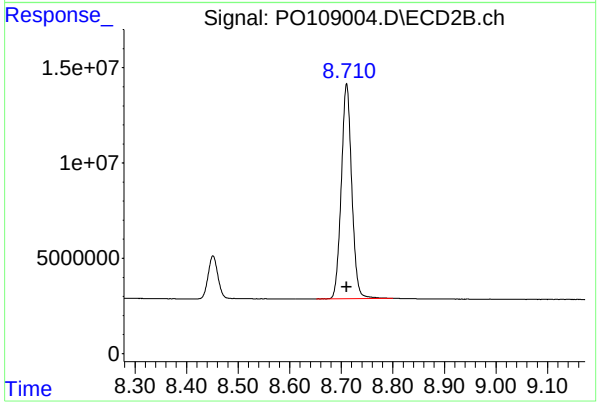
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 264879398
Conc: 50.00 ng/ml



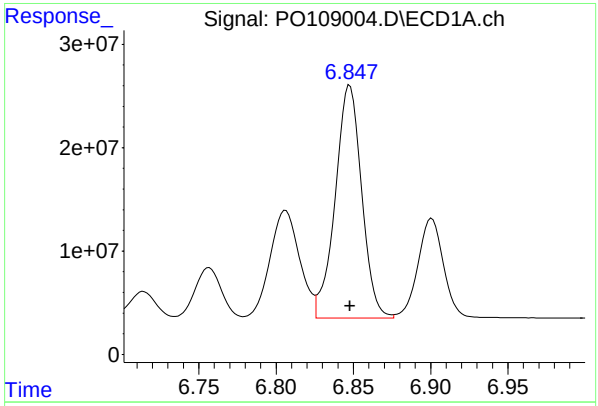
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 321772989
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

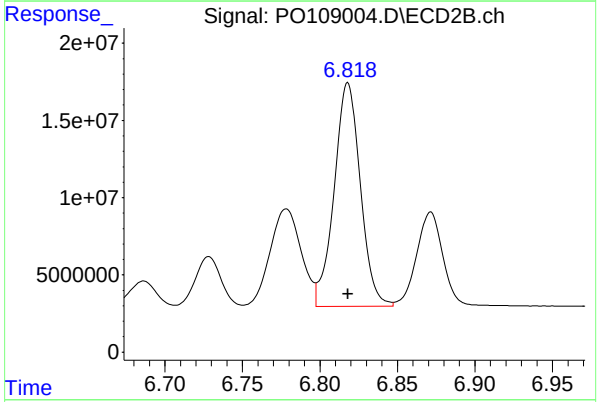
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 159123424
Conc: 50.00 ng/ml



#36 AR-1262-1

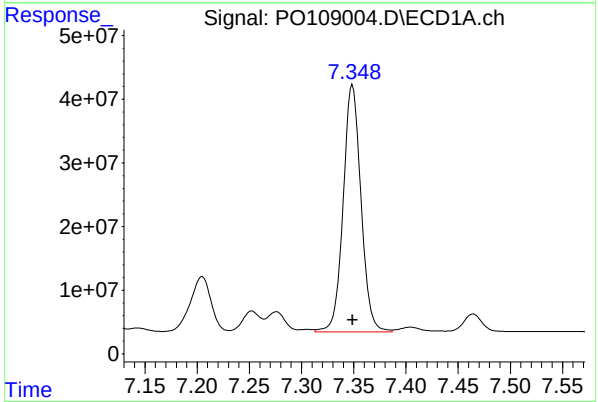
R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 267007548
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



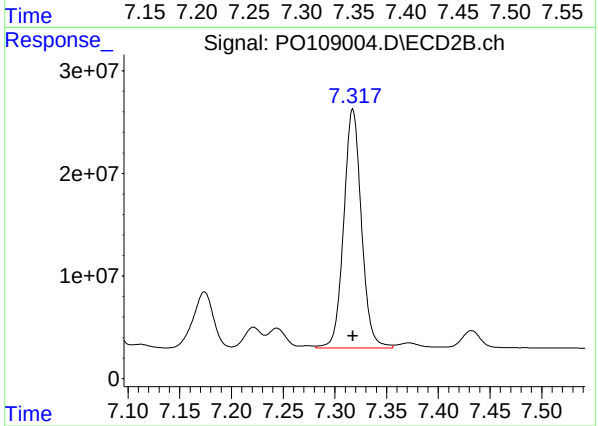
#36 AR-1262-1

R.T.: 6.818 min
Delta R.T.: 0.000 min
Response: 170179203
Conc: 500.00 ng/ml



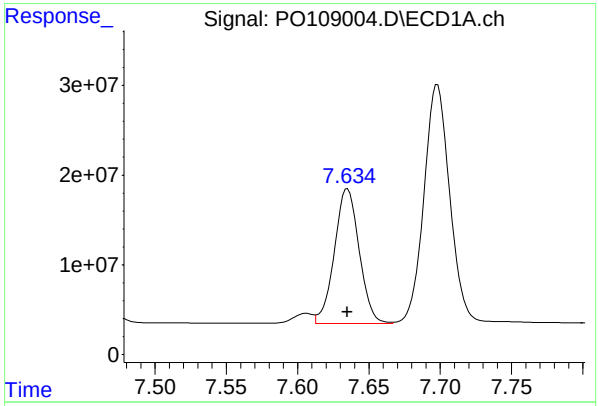
#37 AR-1262-2

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 459733095
Conc: 500.00 ng/ml



#37 AR-1262-2

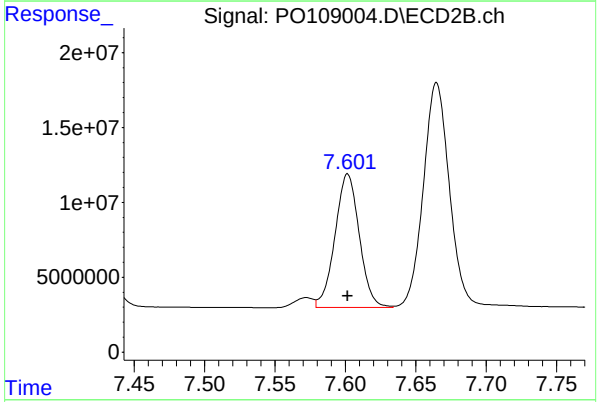
R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 277301857
Conc: 500.00 ng/ml



#38 AR-1262-3

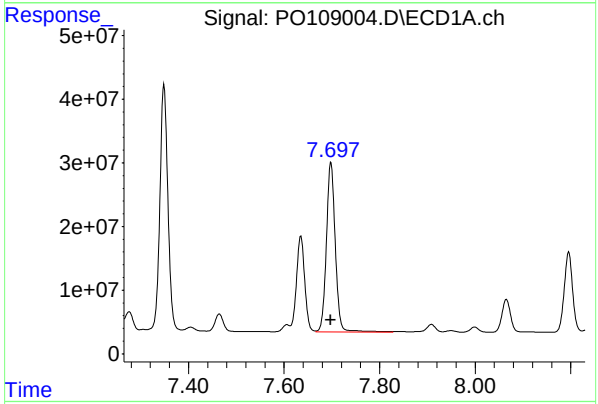
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 182285530
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



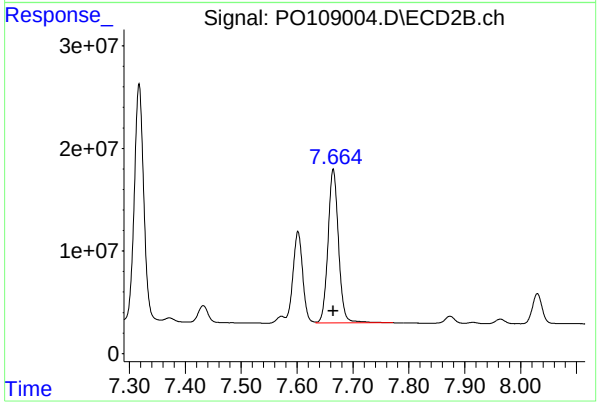
#38 AR-1262-3

R.T.: 7.602 min
Delta R.T.: 0.000 min
Response: 107220152
Conc: 500.00 ng/ml



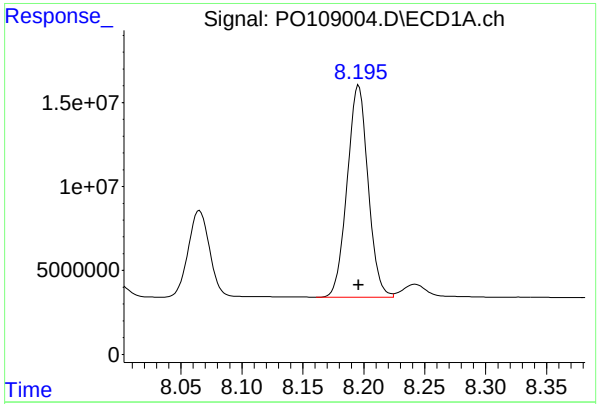
#39 AR-1262-4

R.T.: 7.698 min
Delta R.T.: 0.000 min
Response: 343813082
Conc: 500.00 ng/ml



#39 AR-1262-4

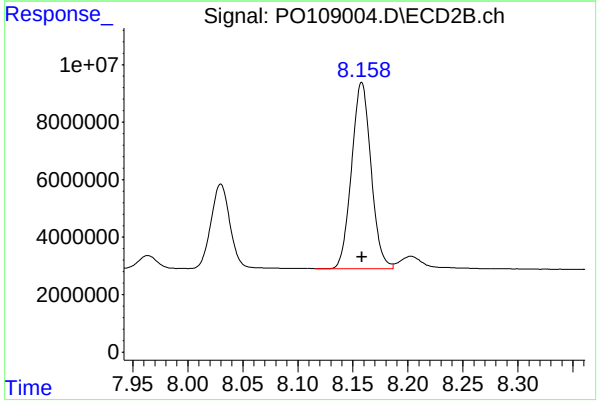
R.T.: 7.665 min
Delta R.T.: 0.000 min
Response: 195944202
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 151059349
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.158 min
Delta R.T.: 0.000 min
Response: 79730723
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:37
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: Jan 22 01:58:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	754.7E6	537.7E6	96.603	97.221
2)	SA Decachlor...	8.759	8.710	1103.6E6	529.7E6	96.900	94.745
	Target Compounds						
41)	L9 AR-1268-1	7.634	7.601	1033.7E6	605.6E6	968.174	967.575
42)	L9 AR-1268-2	7.699	7.665	952.1E6	555.8E6	971.953	972.951
43)	L9 AR-1268-3	7.909	7.874	786.4E6	443.1E6	973.445	966.673
44)	L9 AR-1268-4	8.196	8.158	327.4E6	171.8E6	958.930	945.660
45)	L9 AR-1268-5	8.495	8.452	2419.3E6	1182.8E6	995.560	981.167

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

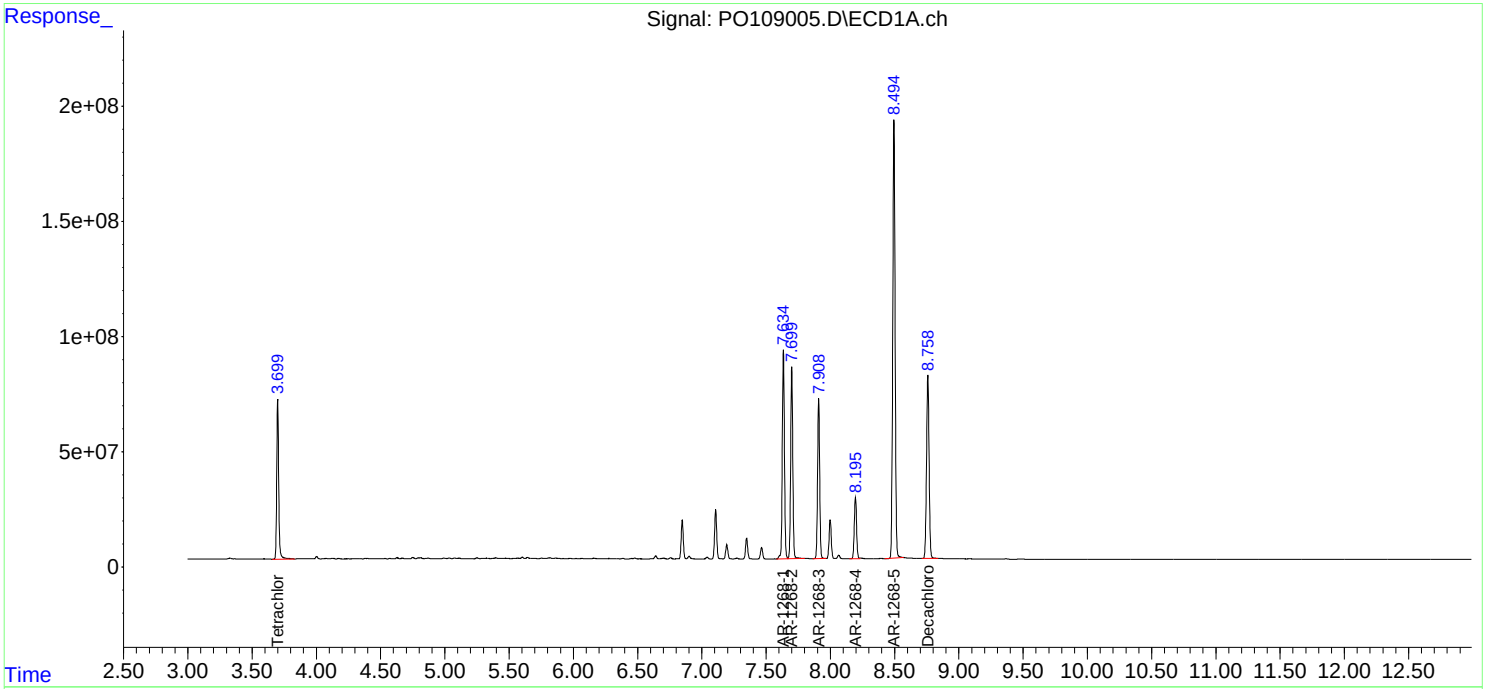
ICAL Form

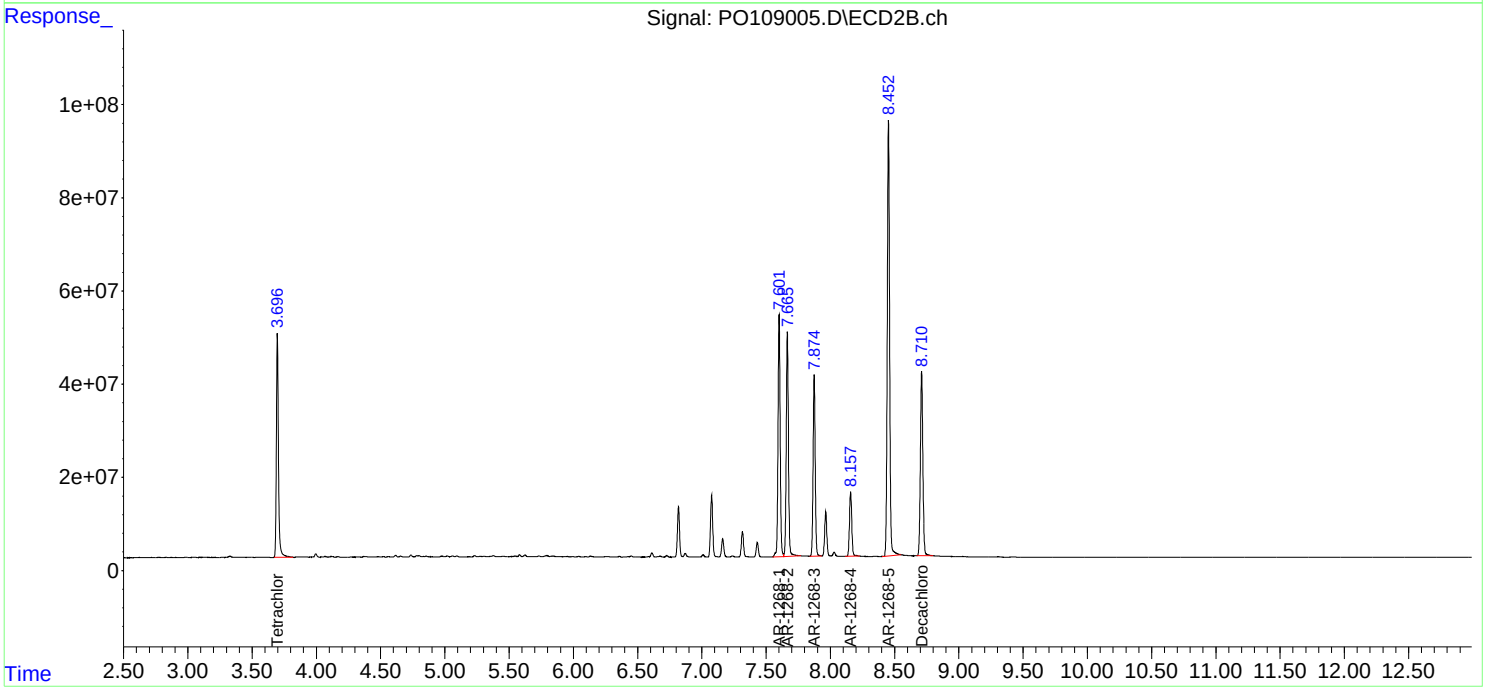
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:37
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

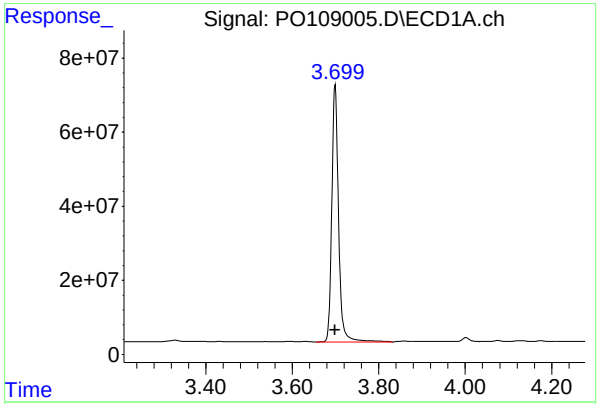
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:58:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



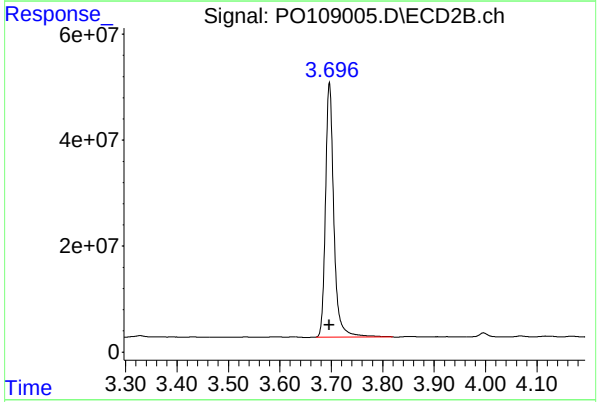




#1 Tetrachloro-m-xylene

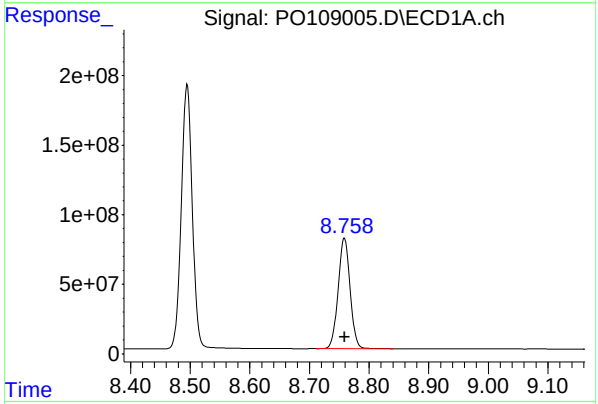
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 754663830
Conc: 96.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



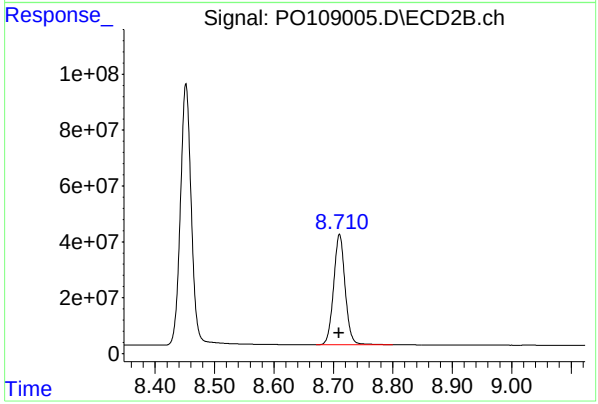
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 537744888
Conc: 97.22 ng/ml



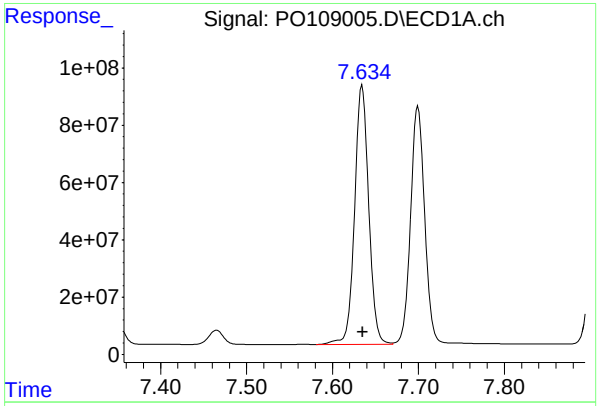
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 1103612807
Conc: 96.90 ng/ml



#2 Decachlorobiphenyl

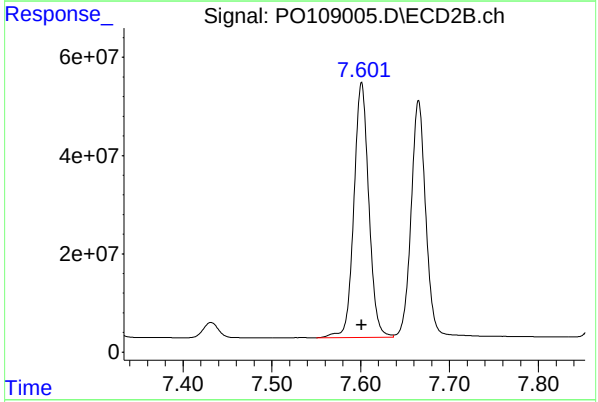
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 529671616
Conc: 94.75 ng/ml



#41 AR-1268-1

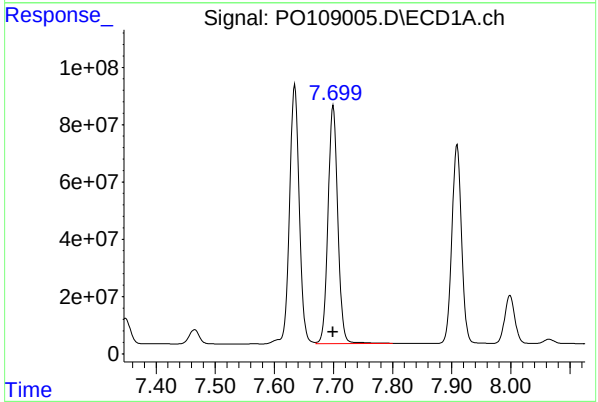
R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 1033690630
Conc: 968.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



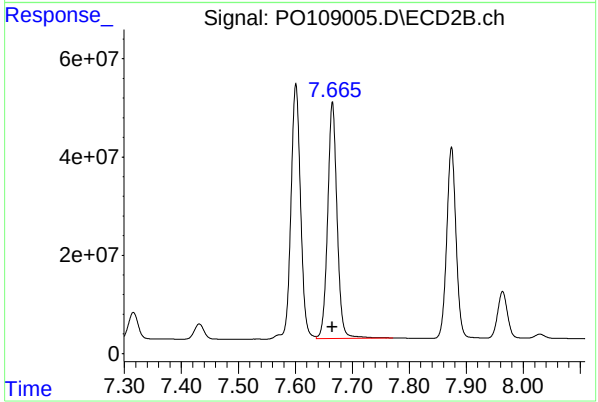
#41 AR-1268-1

R.T.: 7.601 min
Delta R.T.: 0.000 min
Response: 605633372
Conc: 967.58 ng/ml



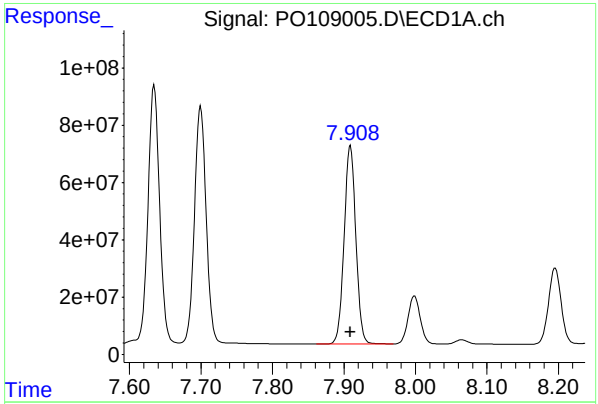
#42 AR-1268-2

R.T.: 7.699 min
Delta R.T.: 0.000 min
Response: 952087675
Conc: 971.95 ng/ml



#42 AR-1268-2

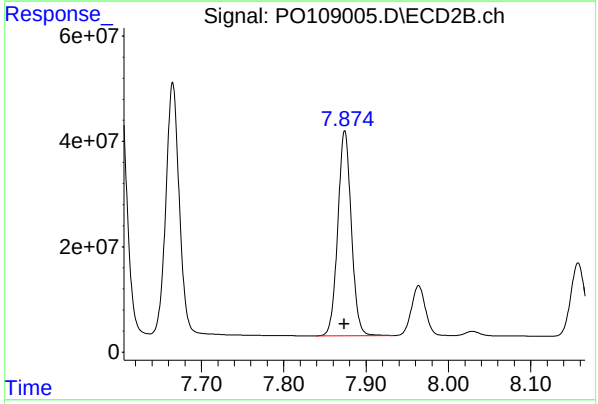
R.T.: 7.665 min
Delta R.T.: 0.000 min
Response: 555793036
Conc: 972.95 ng/ml



#43 AR-1268-3

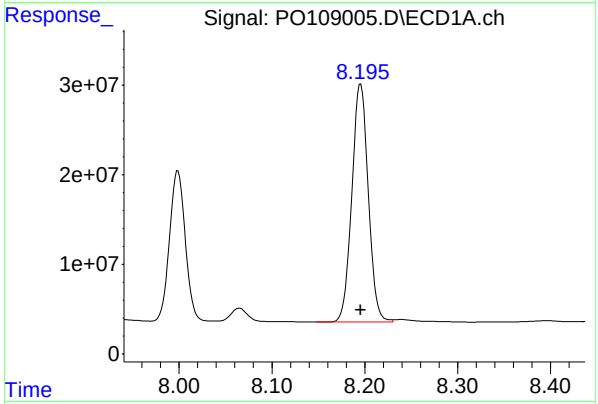
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 786406202
Conc: 973.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



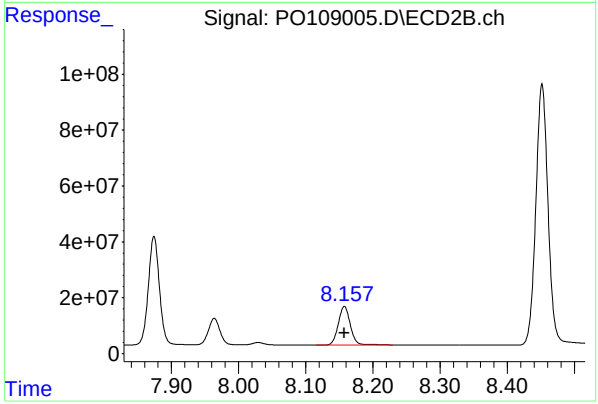
#43 AR-1268-3

R.T.: 7.874 min
Delta R.T.: 0.000 min
Response: 443116844
Conc: 966.67 ng/ml



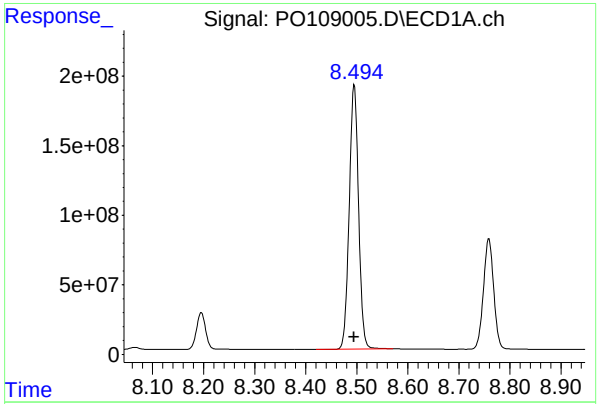
#44 AR-1268-4

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 327369336
Conc: 958.93 ng/ml



#44 AR-1268-4

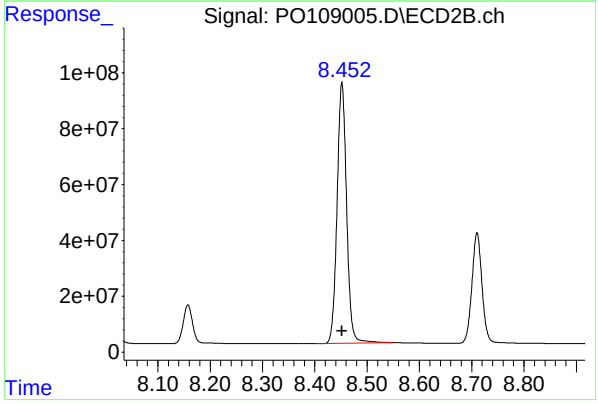
R.T.: 8.158 min
Delta R.T.: 0.000 min
Response: 171795401
Conc: 945.66 ng/ml



#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 2419252053
Conc: 995.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.452 min
Delta R.T.: 0.000 min
Response: 1182764439
Conc: 981.17 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:55
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: Jan 22 01:58:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.696	570.3E6	406.4E6	73.003	73.476
2)	SA Decachlor...	8.759	8.711	827.0E6	406.9E6	72.609	72.782
	Target Compounds						
41)	L9 AR-1268-1	7.636	7.602	777.7E6	460.2E6	728.415	735.245
42)	L9 AR-1268-2	7.700	7.666	713.4E6	420.3E6	728.251	735.707
43)	L9 AR-1268-3	7.909	7.874	588.7E6	336.4E6	728.715	733.882
44)	L9 AR-1268-4	8.196	8.158	246.3E6	131.7E6	721.452	725.120
45)	L9 AR-1268-5	8.496	8.452	1789.1E6	893.6E6	736.230	741.310

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

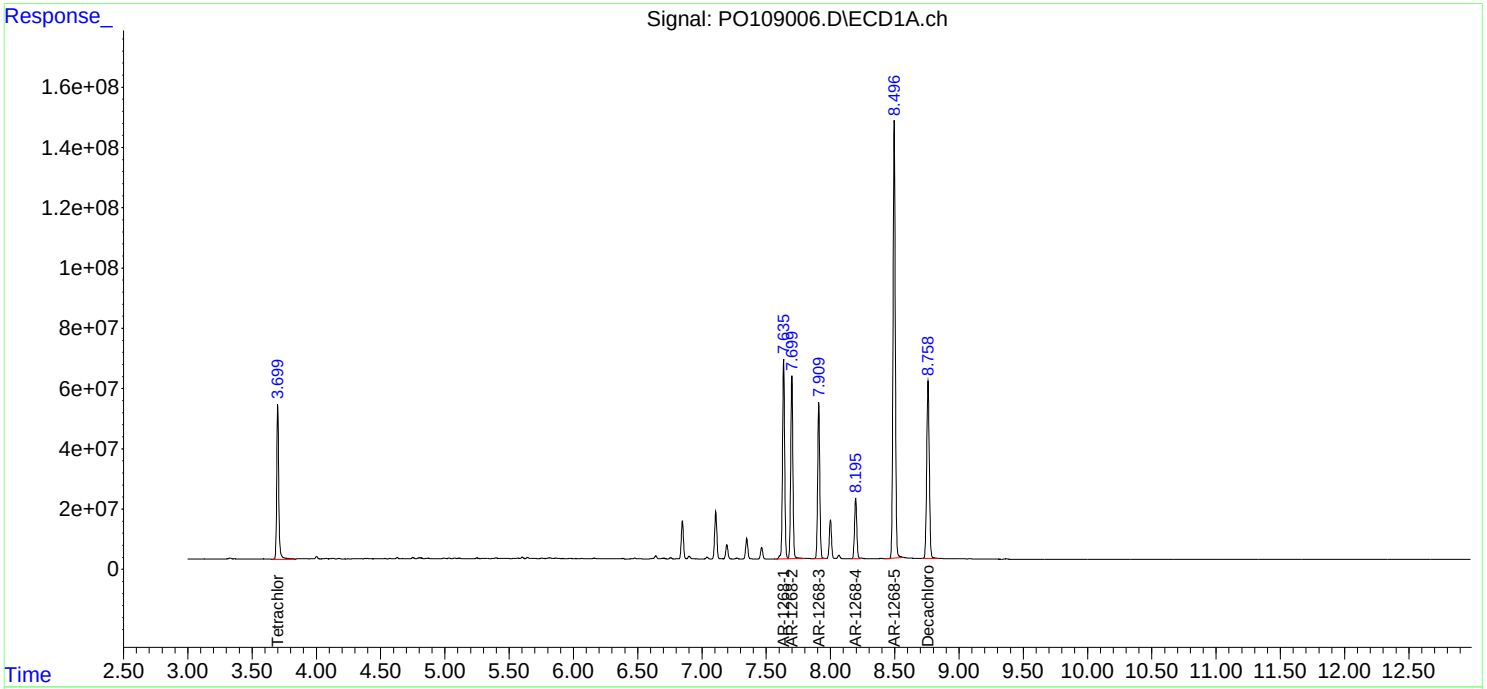
ICAL Form

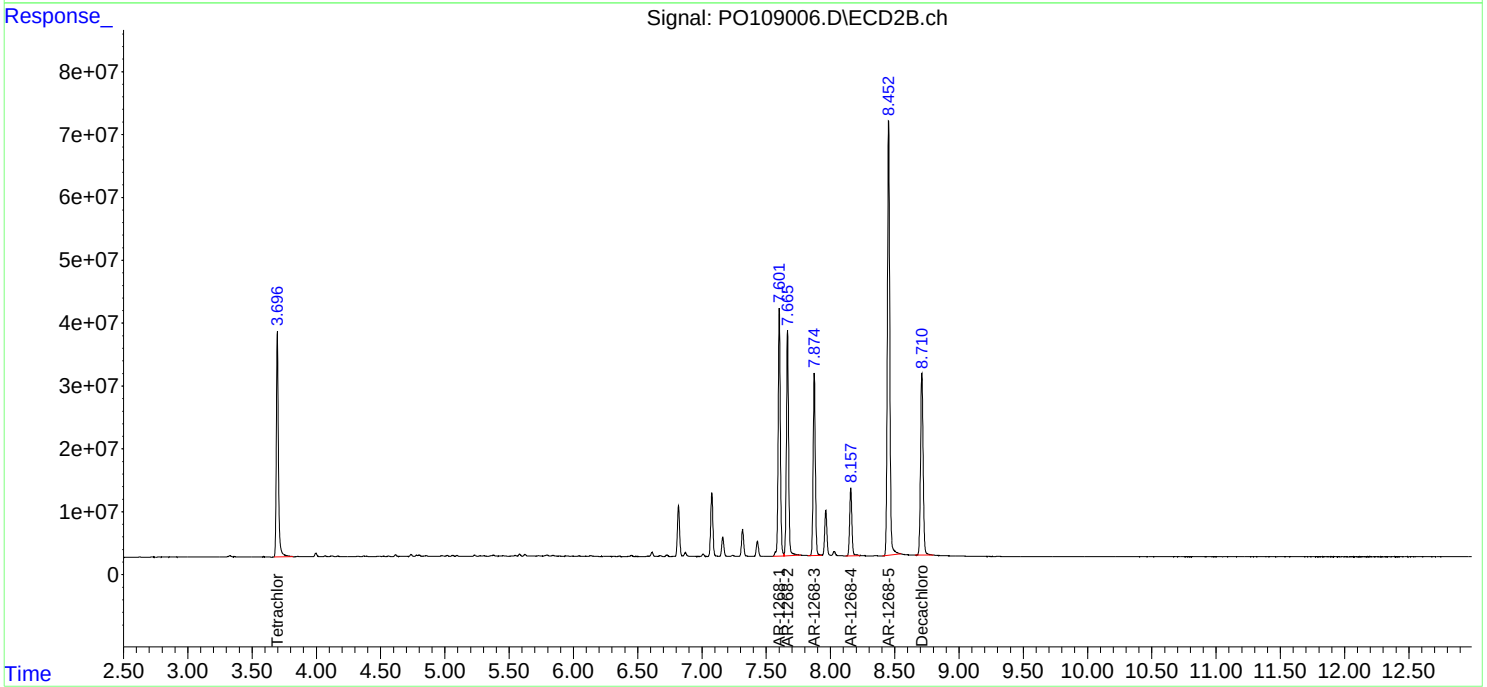
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:55
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

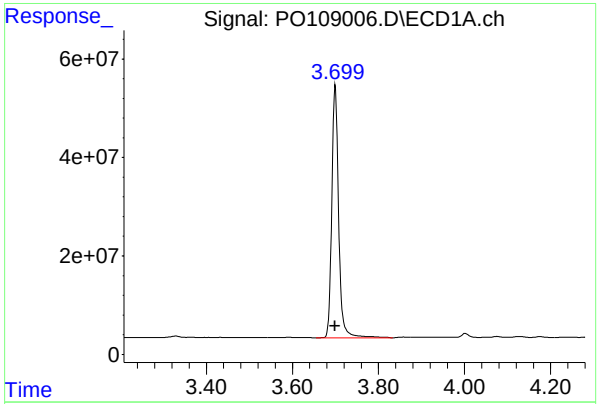
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:58:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



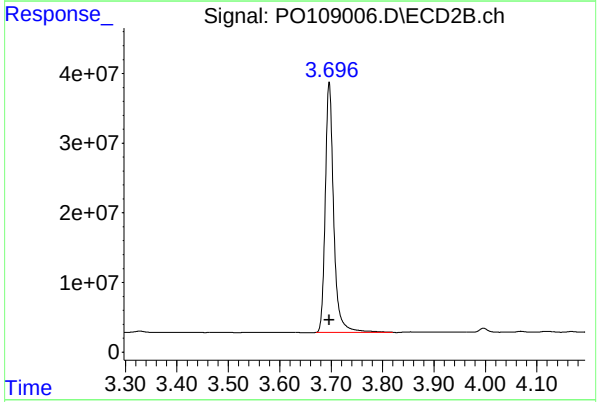




#1 Tetrachloro-m-xylene

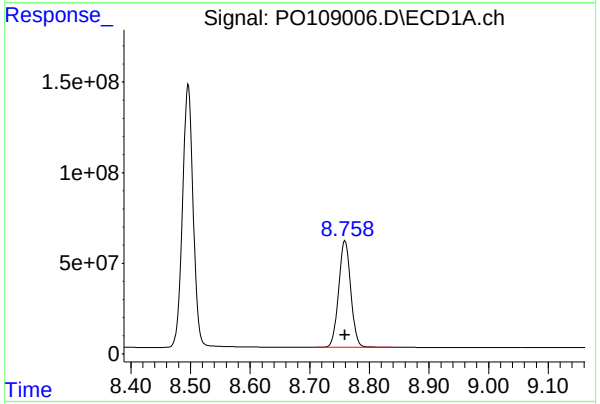
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 570306026
Conc: 73.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



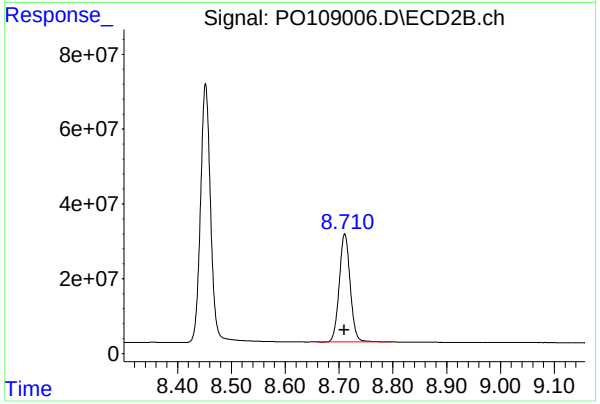
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 406403773
Conc: 73.48 ng/ml



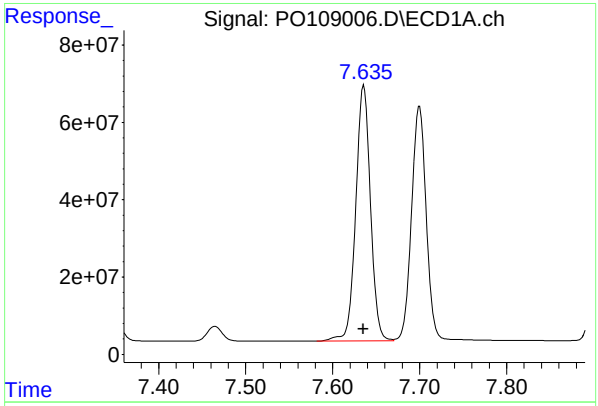
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 826962199
Conc: 72.61 ng/ml



#2 Decachlorobiphenyl

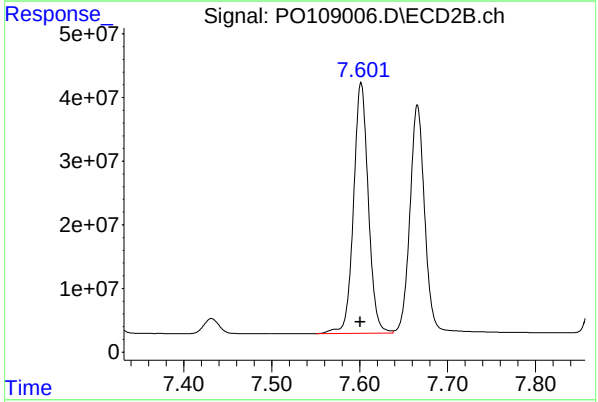
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 406888302
Conc: 72.78 ng/ml



#41 AR-1268-1

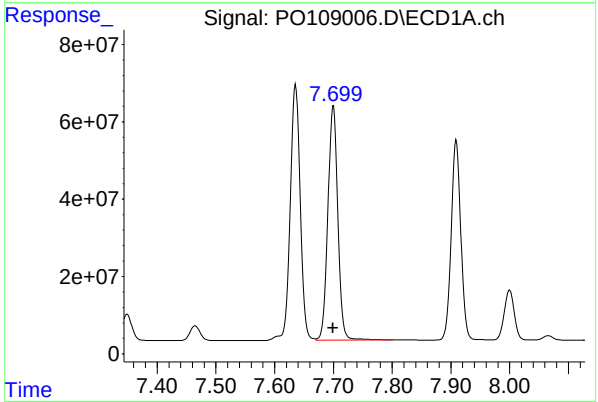
R.T.: 7.636 min
Delta R.T.: 0.000 min
Response: 777706848
Conc: 728.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



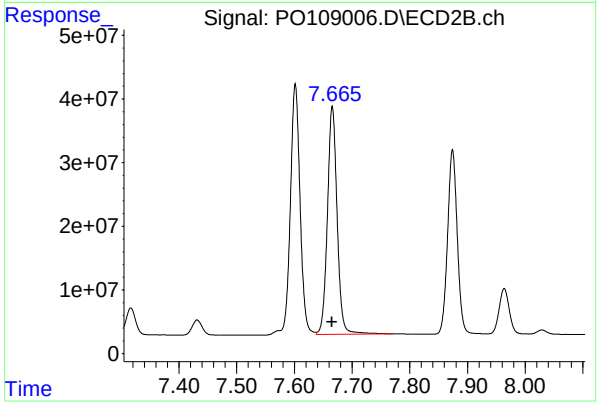
#41 AR-1268-1

R.T.: 7.602 min
Delta R.T.: 0.000 min
Response: 460211185
Conc: 735.24 ng/ml



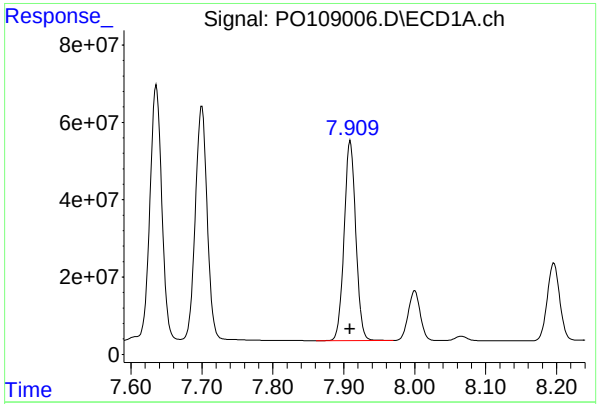
#42 AR-1268-2

R.T.: 7.700 min
Delta R.T.: 0.000 min
Response: 713366367
Conc: 728.25 ng/ml



#42 AR-1268-2

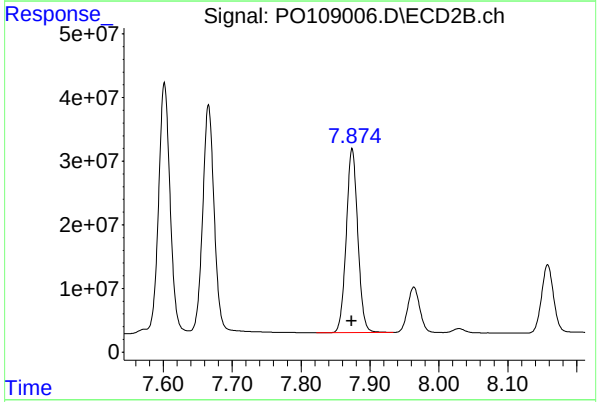
R.T.: 7.666 min
Delta R.T.: 0.000 min
Response: 420268499
Conc: 735.71 ng/ml



#43 AR-1268-3

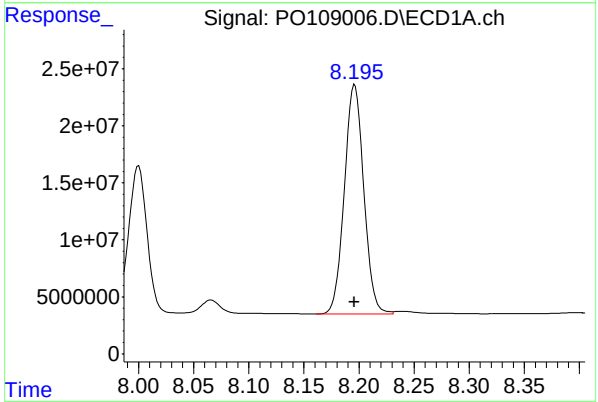
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 588699199
Conc: 728.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



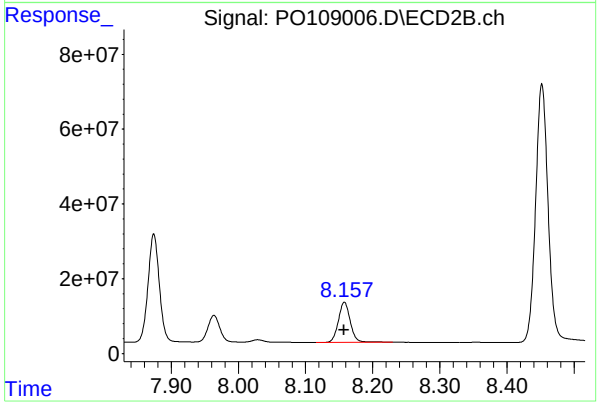
#43 AR-1268-3

R.T.: 7.874 min
Delta R.T.: 0.000 min
Response: 336407088
Conc: 733.88 ng/ml



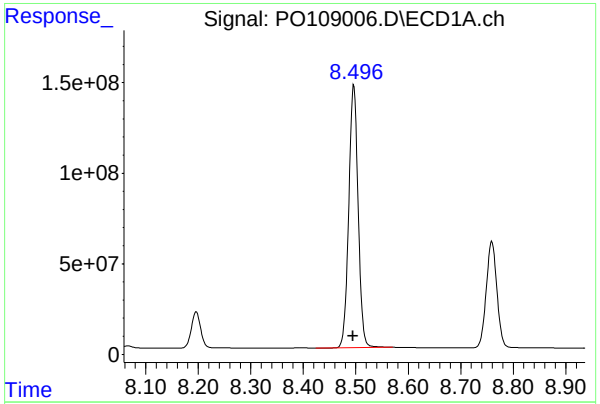
#44 AR-1268-4

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 246296884
Conc: 721.45 ng/ml



#44 AR-1268-4

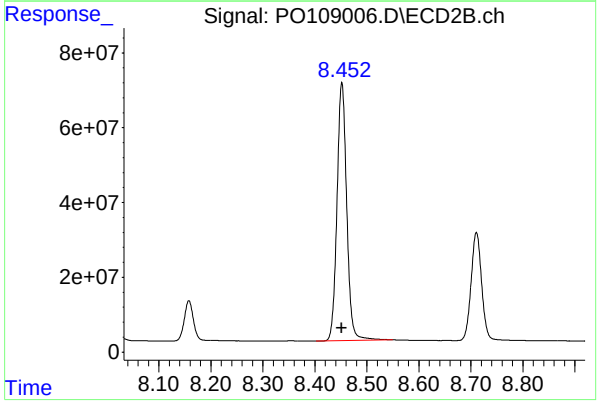
R.T.: 8.158 min
Delta R.T.: 0.000 min
Response: 131730440
Conc: 725.12 ng/ml



#45 AR-1268-5

R.T.: 8.496 min
Delta R.T.: 0.002 mi
Response: 1789068997
Conc: 736.23 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.452 min
Delta R.T.: 0.000 min
Response: 893624676
Conc: 741.31 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:13
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: Jan 22 01:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	390.6E6	276.6E6	50.000	50.000
2)	SA Decachlor...	8.759	8.710	569.5E6	279.5E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	7.635	7.601	533.8E6	313.0E6	500.000	500.000
42)	L9 AR-1268-2	7.699	7.665	489.8E6	285.6E6	500.000	500.000
43)	L9 AR-1268-3	7.909	7.873	403.9E6	229.2E6	500.000	500.000
44)	L9 AR-1268-4	8.196	8.157	170.7E6	90833585	500.000	500.000
45)	L9 AR-1268-5	8.495	8.452	1215.0E6	602.7E6	500.000	500.000

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

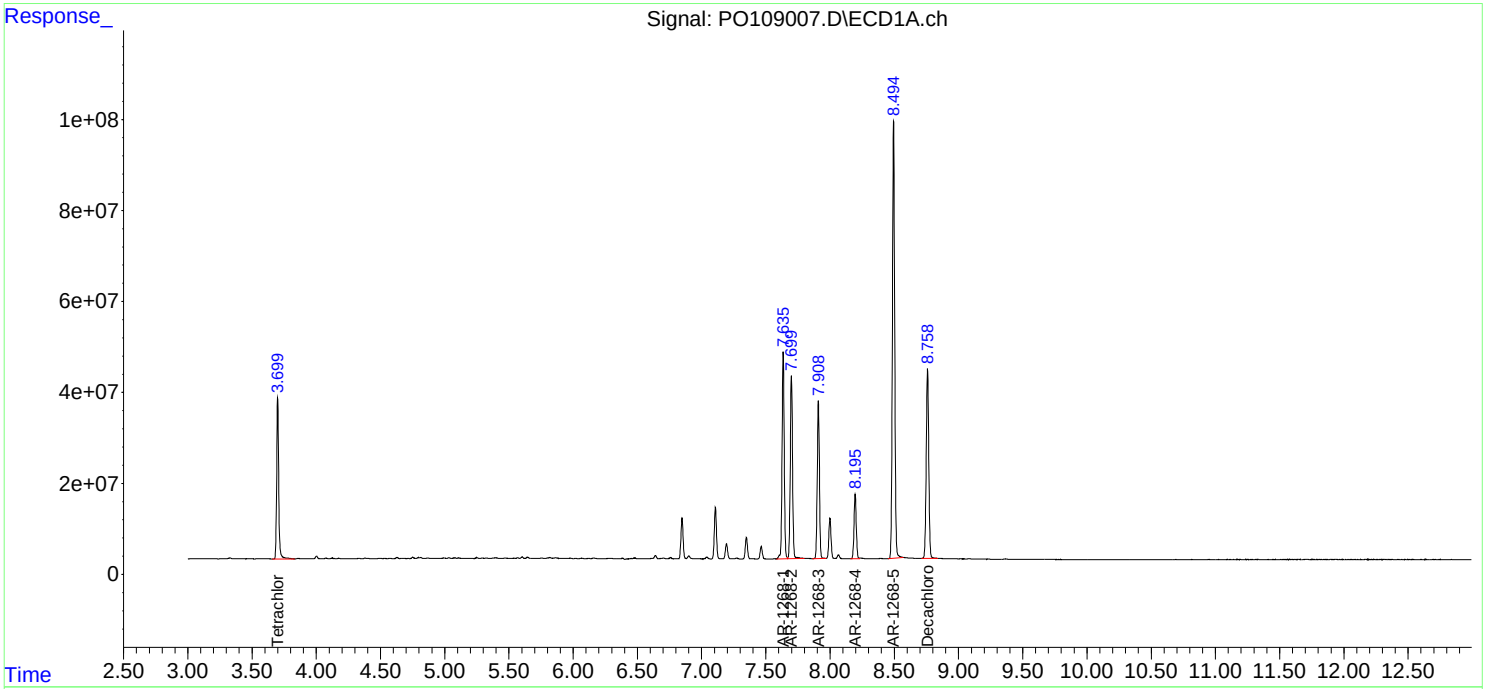
ICAL Form

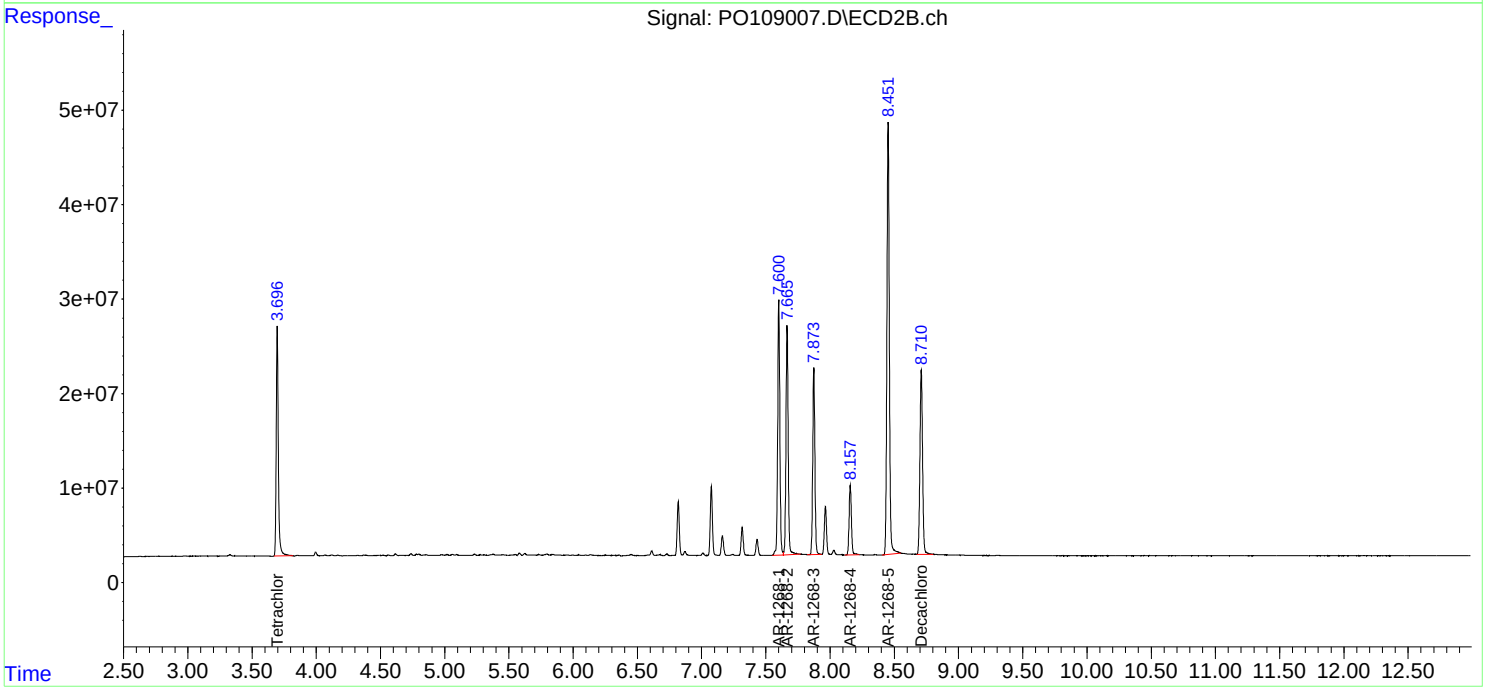
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:13
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

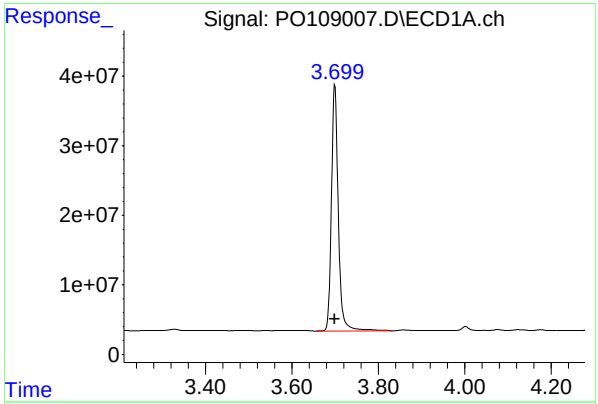
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



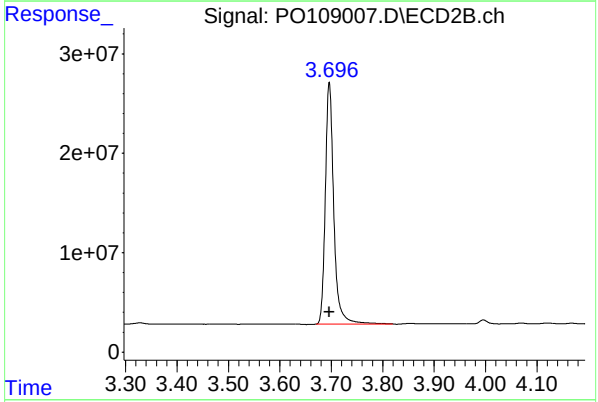




#1 Tetrachloro-m-xylene

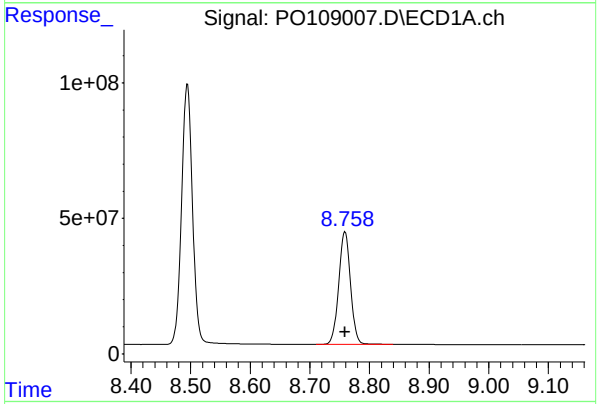
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 390602047
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



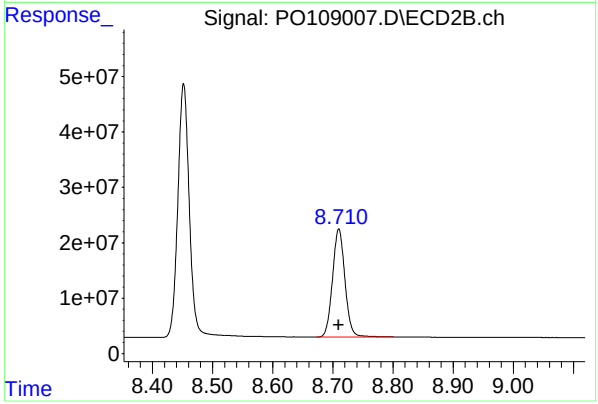
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 276556740
Conc: 50.00 ng/ml



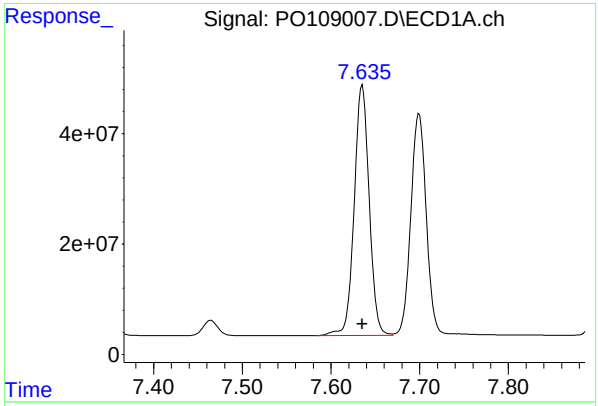
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 569459625
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

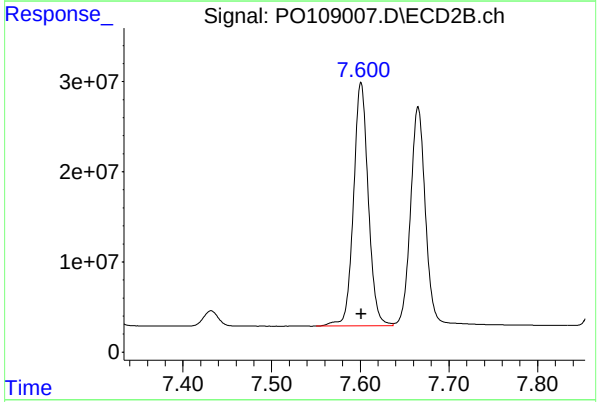
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 279523577
Conc: 50.00 ng/ml



#41 AR-1268-1

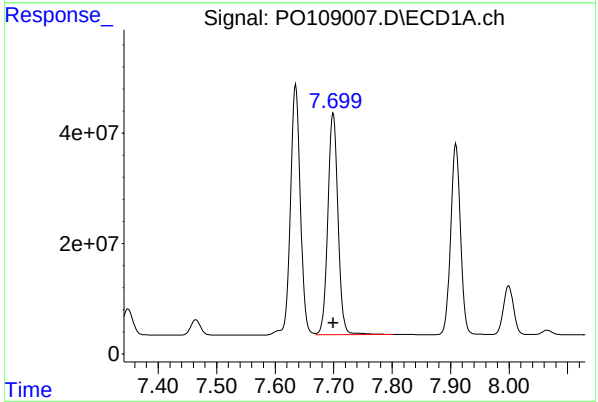
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 533835301
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



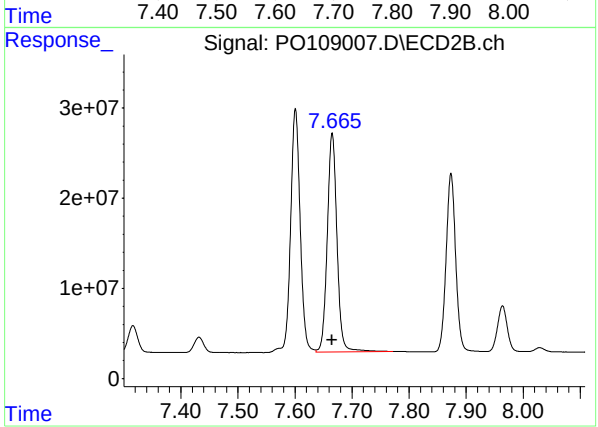
#41 AR-1268-1

R.T.: 7.601 min
Delta R.T.: 0.000 min
Response: 312964526
Conc: 500.00 ng/ml



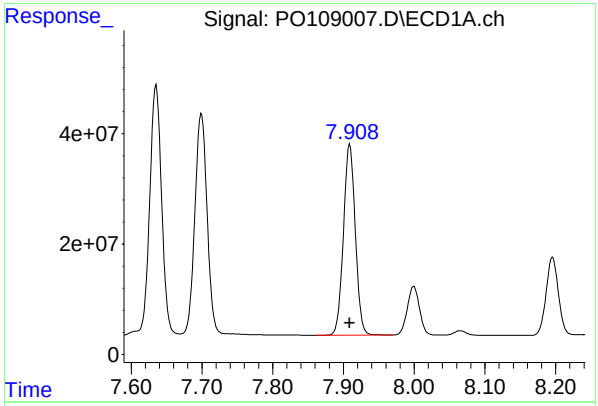
#42 AR-1268-2

R.T.: 7.699 min
Delta R.T.: 0.000 min
Response: 489780510
Conc: 500.00 ng/ml



#42 AR-1268-2

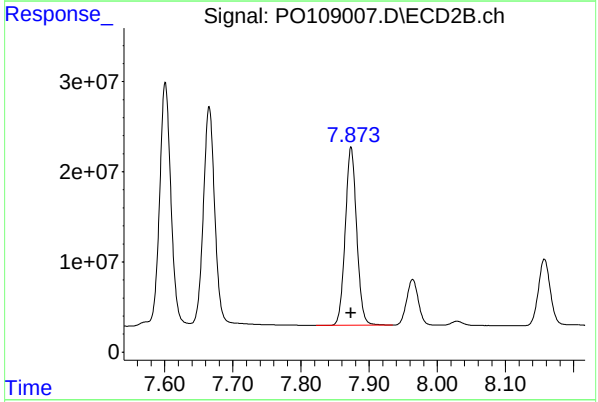
R.T.: 7.665 min
Delta R.T.: 0.000 min
Response: 285622282
Conc: 500.00 ng/ml



#43 AR-1268-3

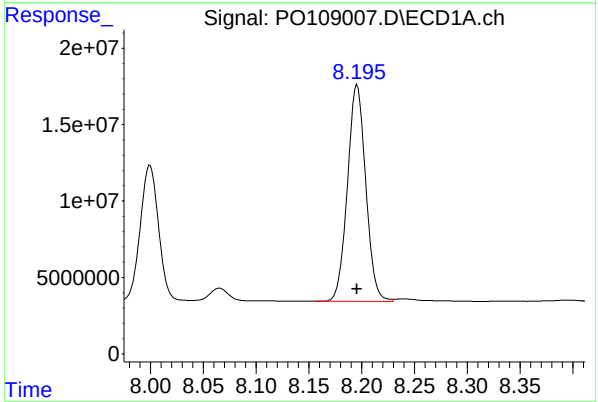
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 403929649
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



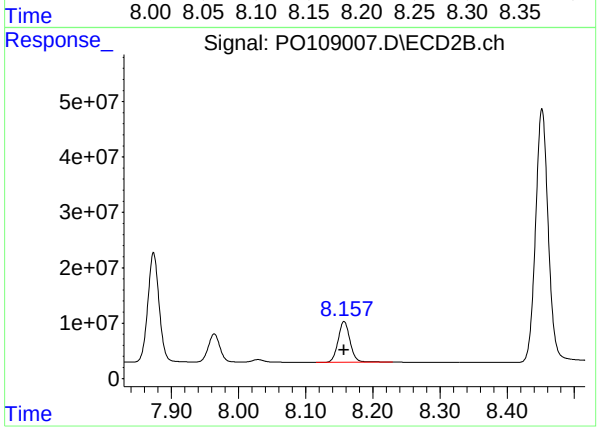
#43 AR-1268-3

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 229196867
Conc: 500.00 ng/ml



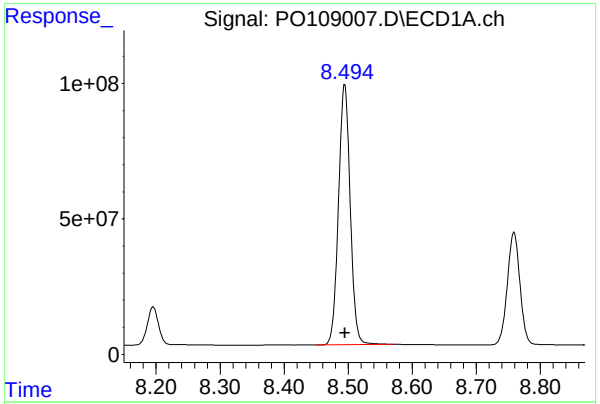
#44 AR-1268-4

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 170695191
Conc: 500.00 ng/ml



#44 AR-1268-4

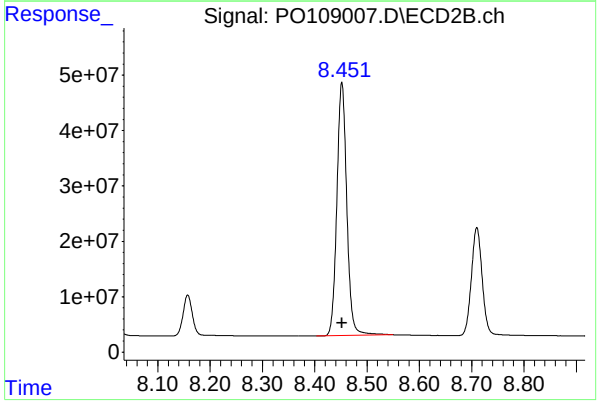
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 90833585
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 1215021087
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.452 min
Delta R.T.: 0.000 min
Response: 602733469
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:31
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: Jan 22 01:59:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	196.1E6	139.1E6	25.102	25.152
2)	SA Decachlor...	8.759	8.711	291.6E6	145.1E6	25.605	25.948
	Target Compounds						
41)	L9 AR-1268-1	7.635	7.602	270.1E6	161.1E6	252.951	257.312
42)	L9 AR-1268-2	7.700	7.666	244.8E6	146.8E6	249.956	256.909
43)	L9 AR-1268-3	7.909	7.875	203.6E6	117.9E6	251.991	257.189
44)	L9 AR-1268-4	8.195	8.158	87924765	47132080	257.549	259.442
45)	L9 AR-1268-5	8.496	8.453	599.7E6	303.6E6	246.790	251.844

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

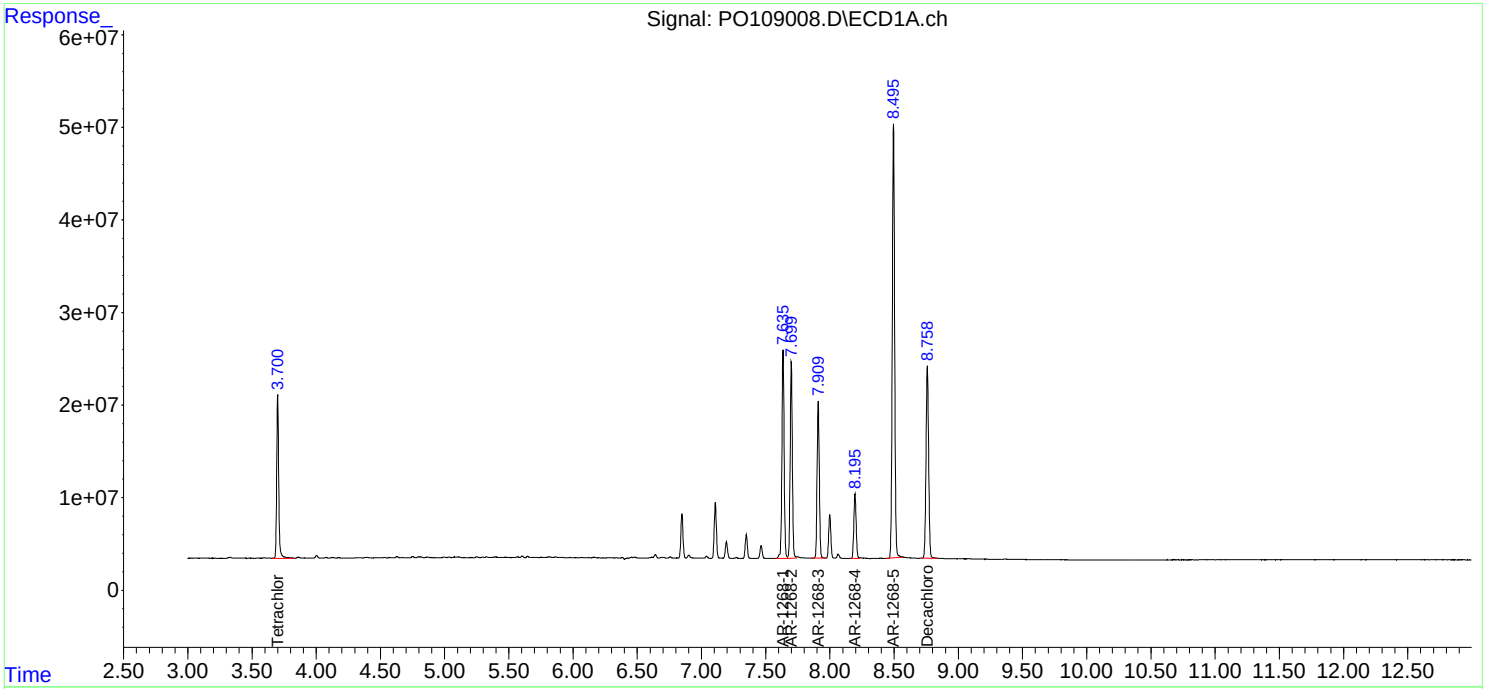
ICAL Form

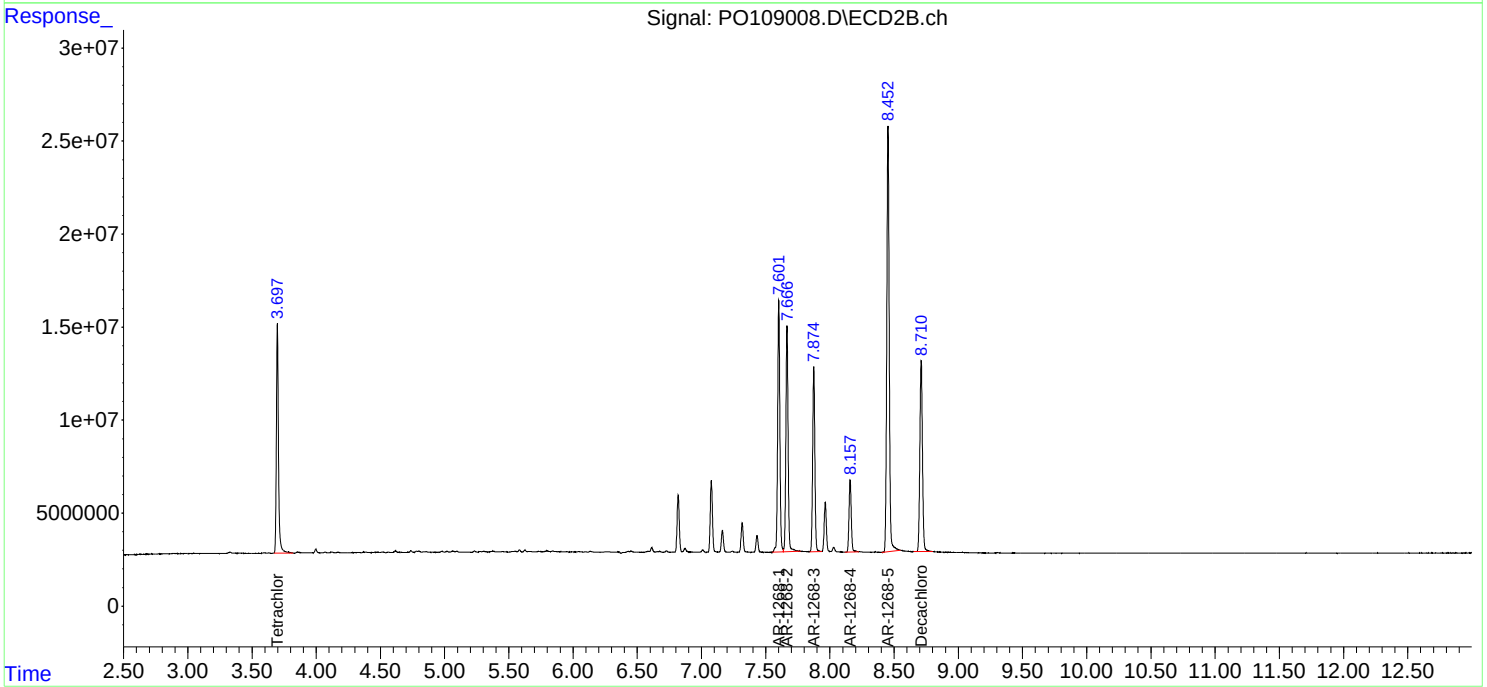
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:31
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

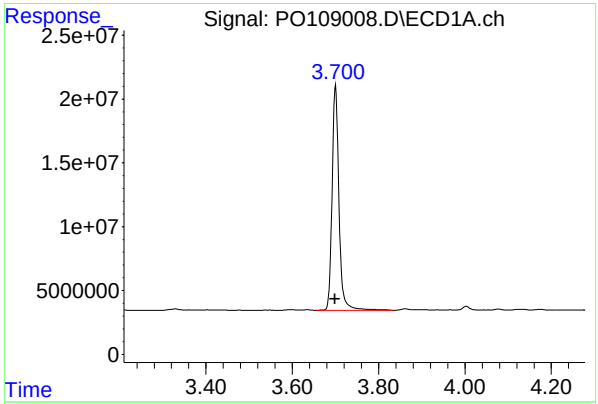
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 01:59:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



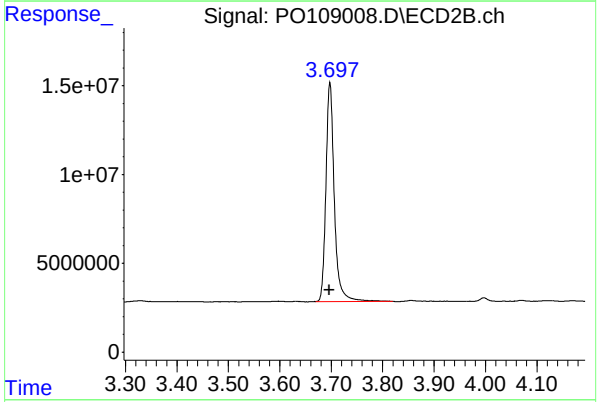




#1 Tetrachloro-m-xylene

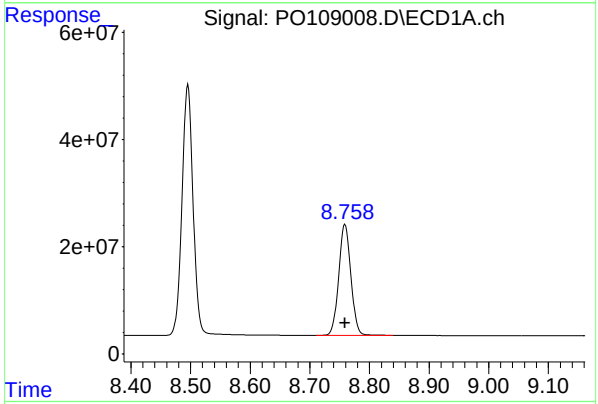
R.T.: 3.700 min
Delta R.T.: 0.001 min
Response: 196100442
Conc: 25.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



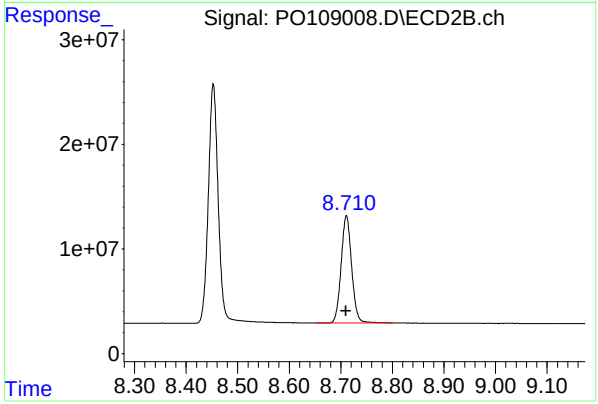
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.001 min
Response: 139119302
Conc: 25.15 ng/ml



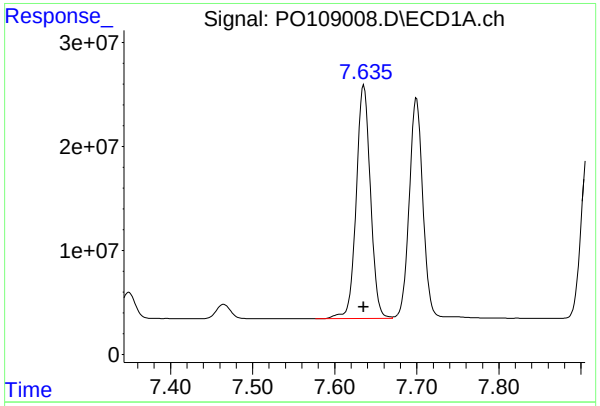
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 291624583
Conc: 25.61 ng/ml



#2 Decachlorobiphenyl

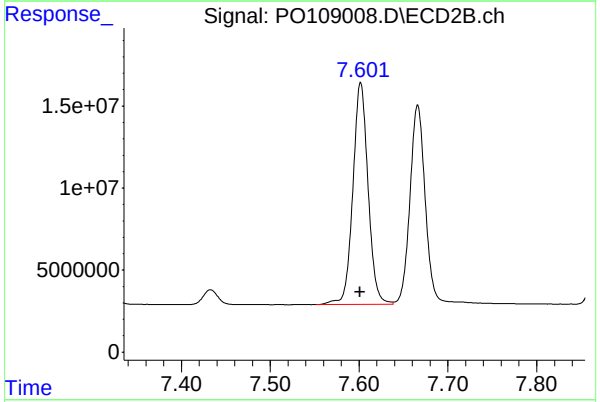
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 145063820
Conc: 25.95 ng/ml



#41 AR-1268-1

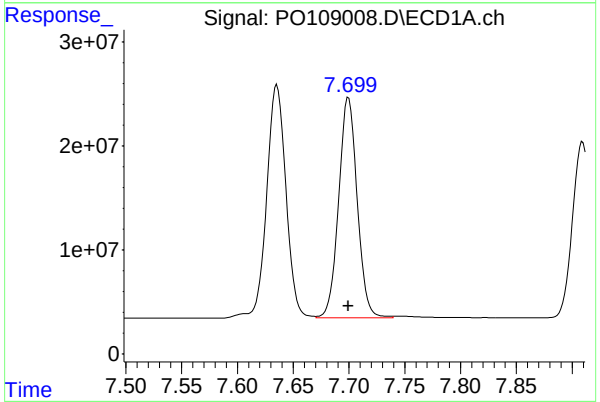
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 270068427
Conc: 252.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



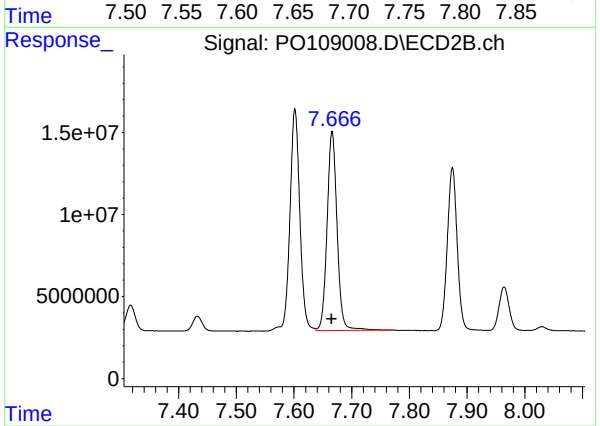
#41 AR-1268-1

R.T.: 7.602 min
Delta R.T.: 0.000 min
Response: 161059255
Conc: 257.31 ng/ml



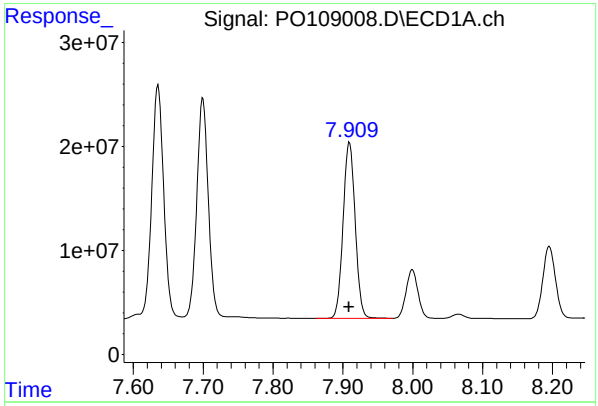
#42 AR-1268-2

R.T.: 7.700 min
Delta R.T.: 0.000 min
Response: 244847011
Conc: 249.96 ng/ml



#42 AR-1268-2

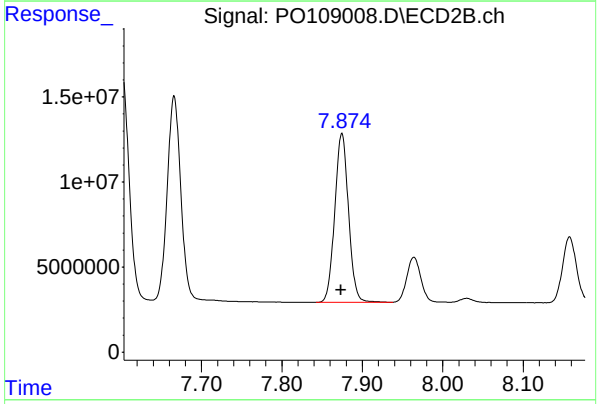
R.T.: 7.666 min
Delta R.T.: 0.000 min
Response: 146758137
Conc: 256.91 ng/ml



#43 AR-1268-3

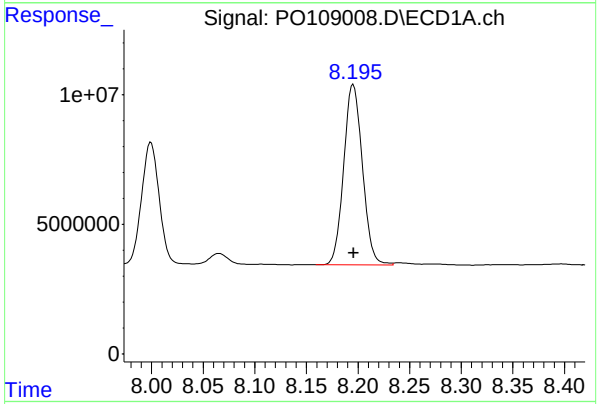
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 203573099
Conc: 251.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



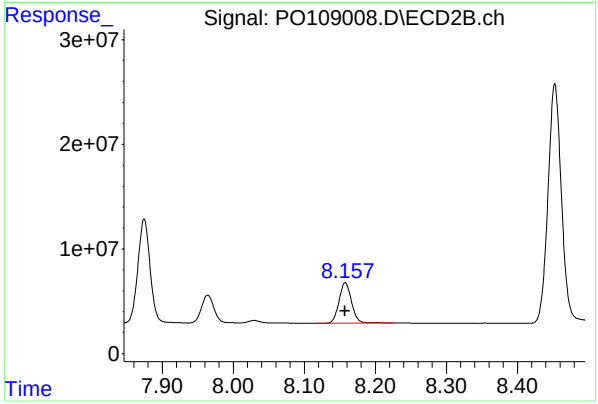
#43 AR-1268-3

R.T.: 7.875 min
Delta R.T.: 0.001 min
Response: 117894031
Conc: 257.19 ng/ml



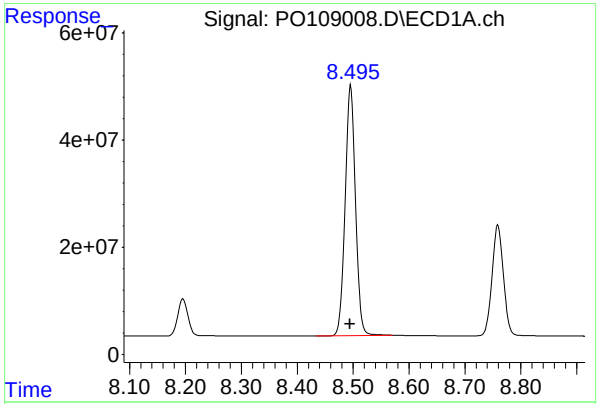
#44 AR-1268-4

R.T.: 8.195 min
Delta R.T.: 0.000 min
Response: 87924765
Conc: 257.55 ng/ml



#44 AR-1268-4

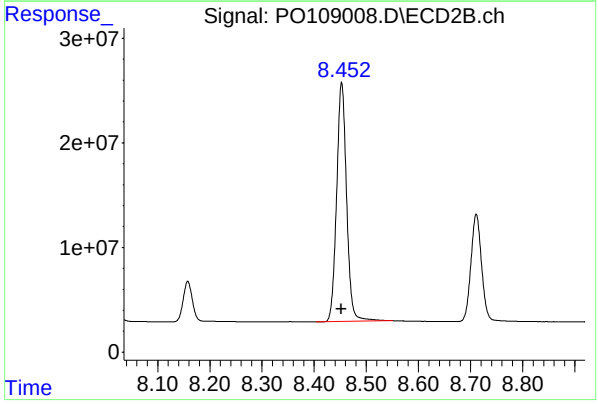
R.T.: 8.158 min
Delta R.T.: 0.000 min
Response: 47132080
Conc: 259.44 ng/ml



#45 AR-1268-5

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 599711286
Conc: 246.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.453 min
Delta R.T.: 0.000 min
Response: 303589945
Conc: 251.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:50
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 02:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.696	37547407	26173933	4.875	4.782
2)	SA Decachlor...	8.758	8.710	60677969	29985616	5.380	5.424
	Target Compounds						
41)	L9 AR-1268-1	7.635	7.601	55249101	32904722	52.386	52.871
42)	L9 AR-1268-2	7.699	7.664	49168103	29059925	50.922	51.107
43)	L9 AR-1268-3	7.909	7.873	41716645	24061606	52.252	52.835
44)	L9 AR-1268-4	8.195	8.157	18199708	9246442	53.971	51.539
45)	L9 AR-1268-5	8.495	8.451	116.2E6	59459506	48.235	49.611

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

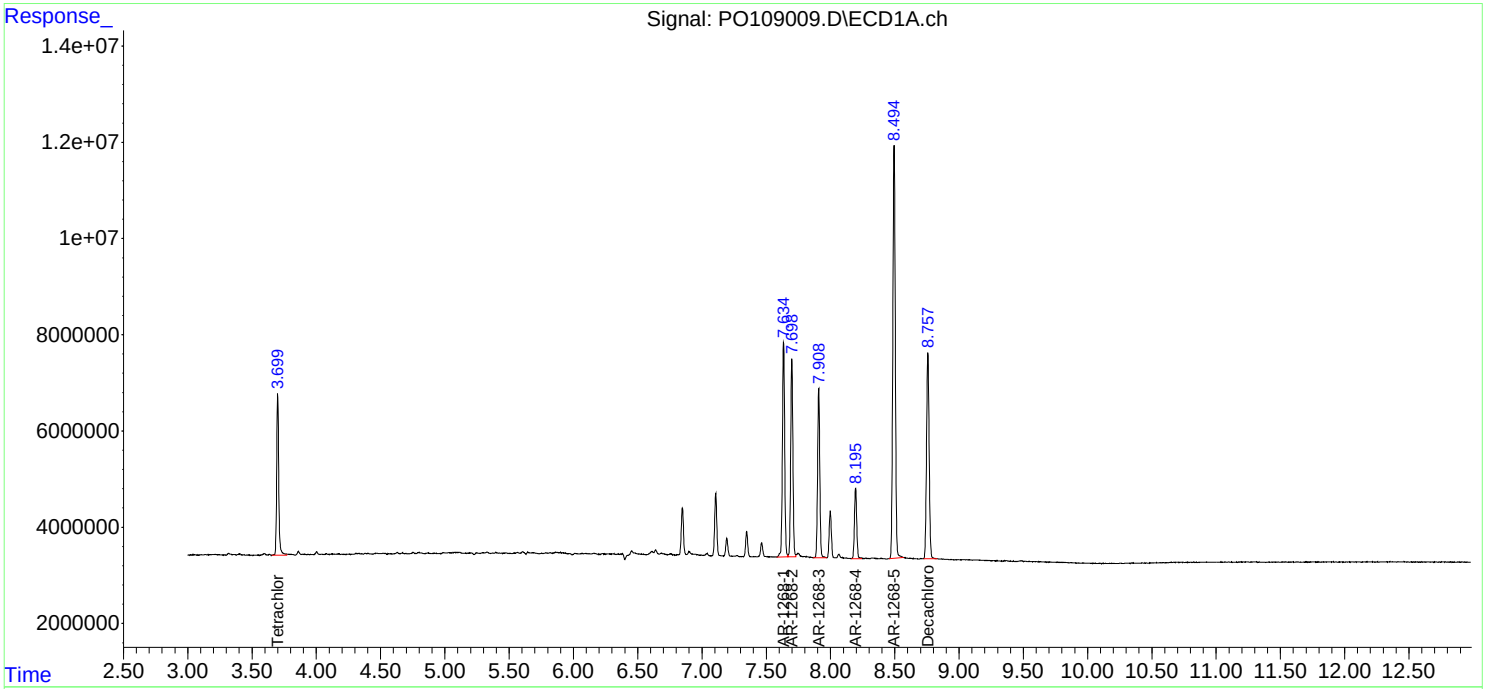
ICAL Form

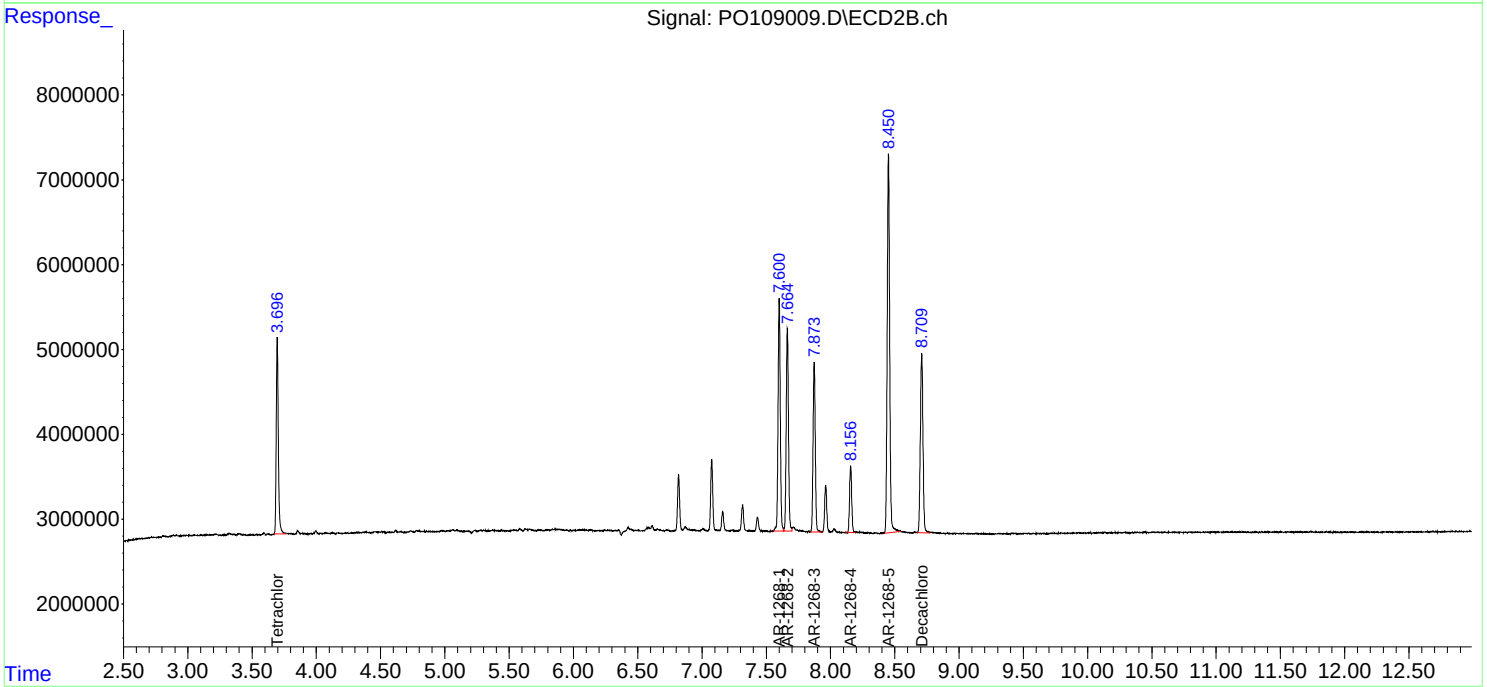
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:50
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

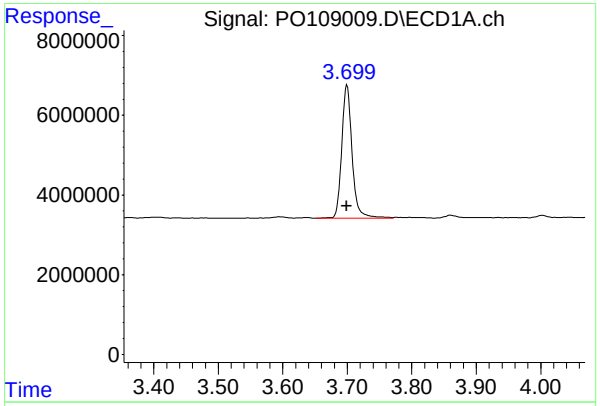
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 02:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 01:57:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



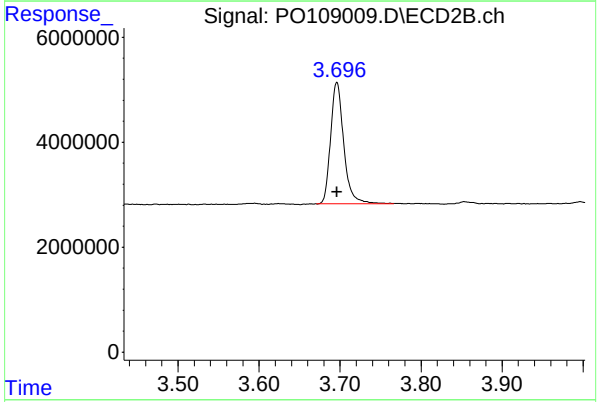




#1 Tetrachloro-m-xylene

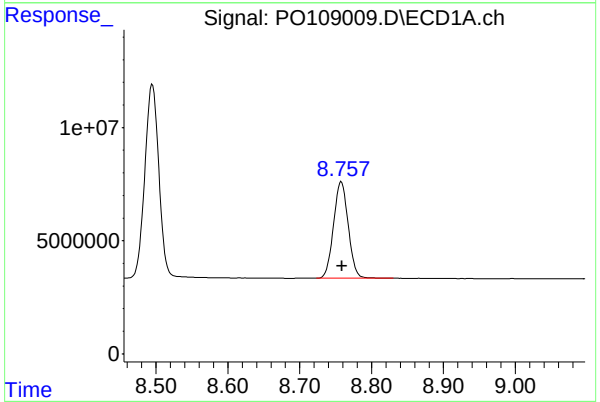
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 37547407
Conc: 4.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



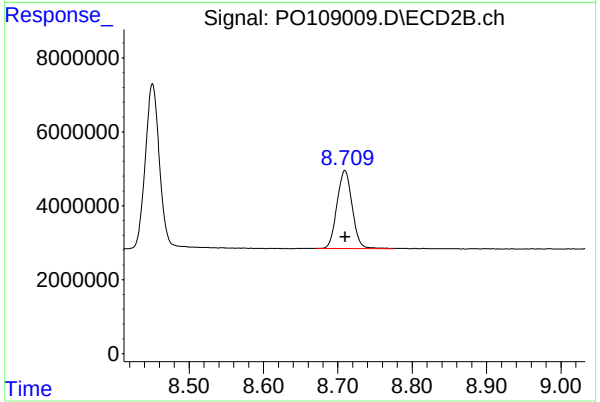
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 26173933
Conc: 4.78 ng/ml



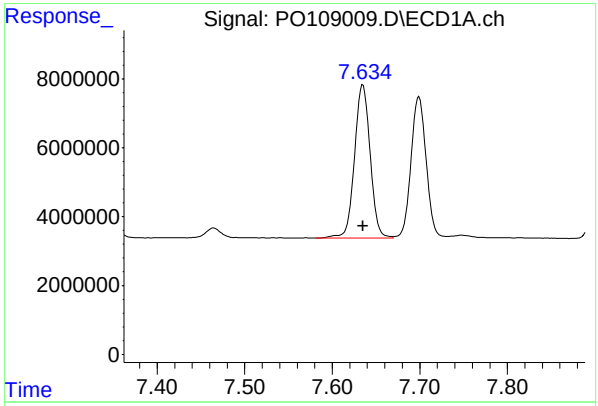
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: -0.001 min
Response: 60677969
Conc: 5.38 ng/ml



#2 Decachlorobiphenyl

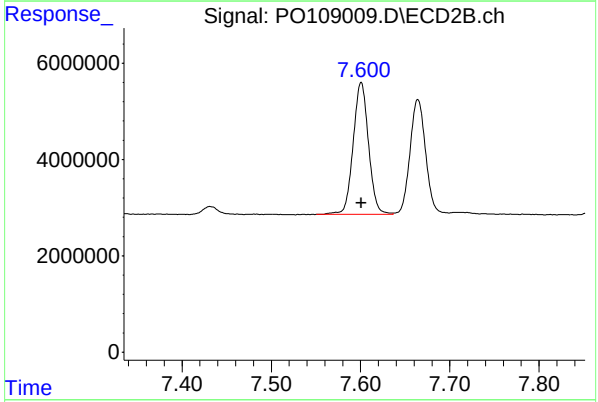
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 29985616
Conc: 5.42 ng/ml



#41 AR-1268-1

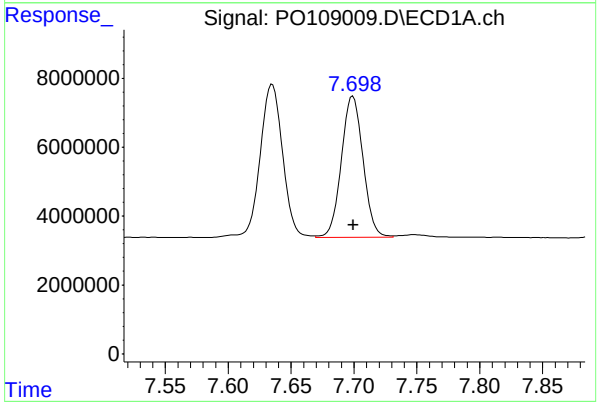
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 55249101
Conc: 52.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



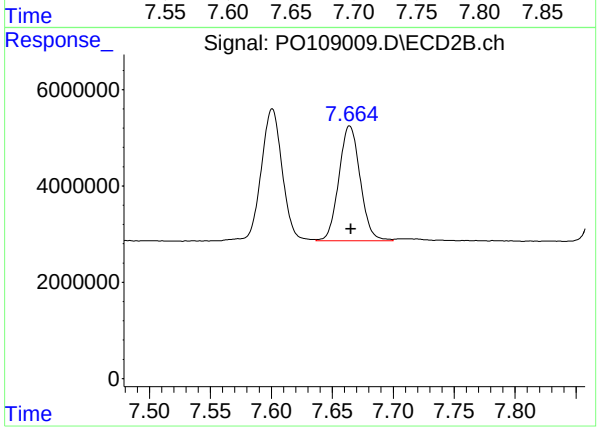
#41 AR-1268-1

R.T.: 7.601 min
Delta R.T.: 0.000 min
Response: 32904722
Conc: 52.87 ng/ml



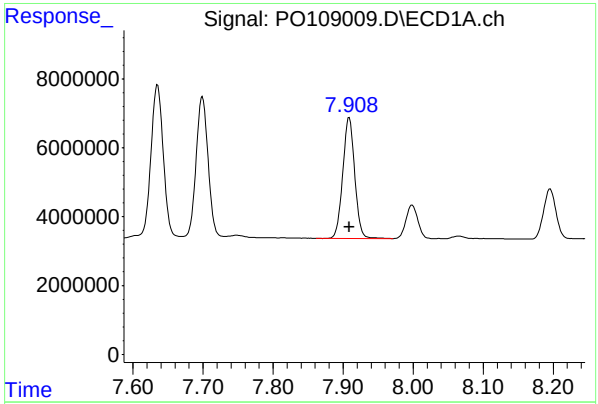
#42 AR-1268-2

R.T.: 7.699 min
Delta R.T.: 0.000 min
Response: 49168103
Conc: 50.92 ng/ml



#42 AR-1268-2

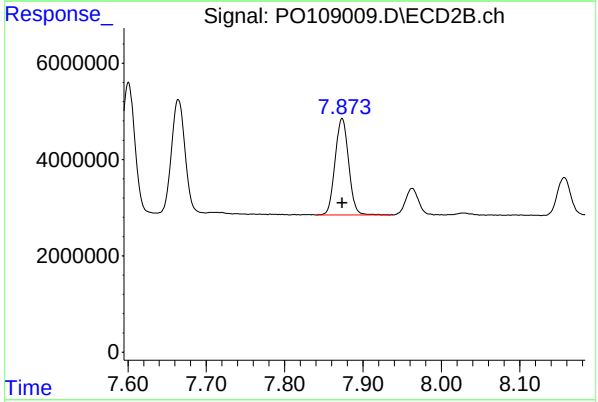
R.T.: 7.664 min
Delta R.T.: 0.000 min
Response: 29059925
Conc: 51.11 ng/ml



#43 AR-1268-3

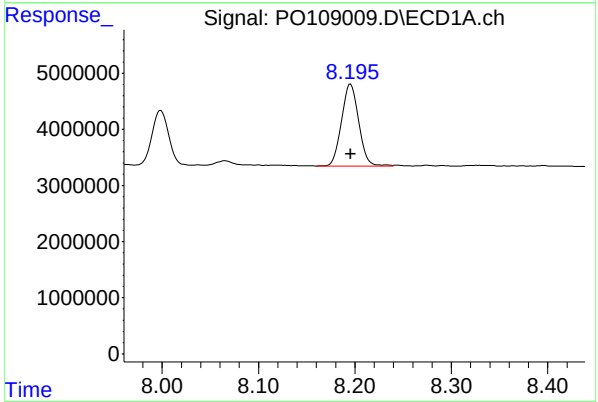
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 41716645
Conc: 52.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



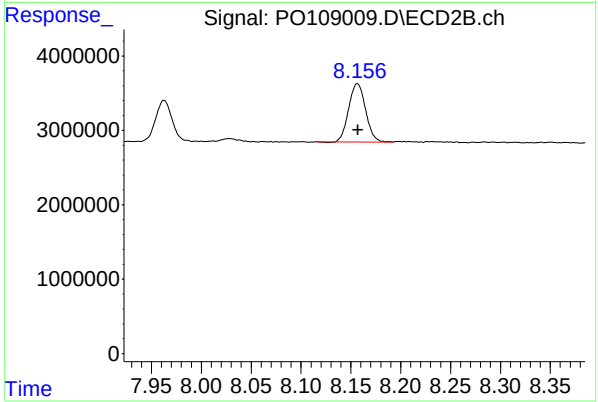
#43 AR-1268-3

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 24061606
Conc: 52.84 ng/ml



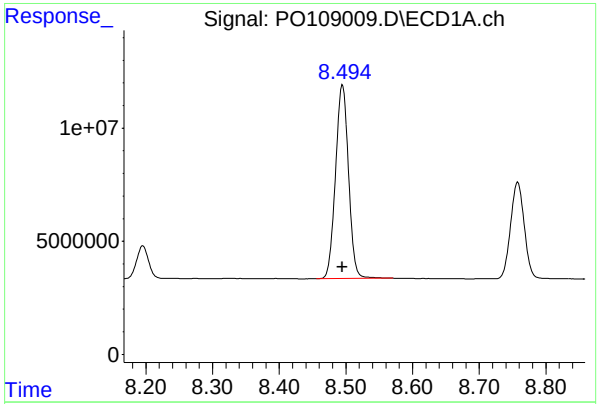
#44 AR-1268-4

R.T.: 8.195 min
Delta R.T.: 0.000 min
Response: 18199708
Conc: 53.97 ng/ml



#44 AR-1268-4

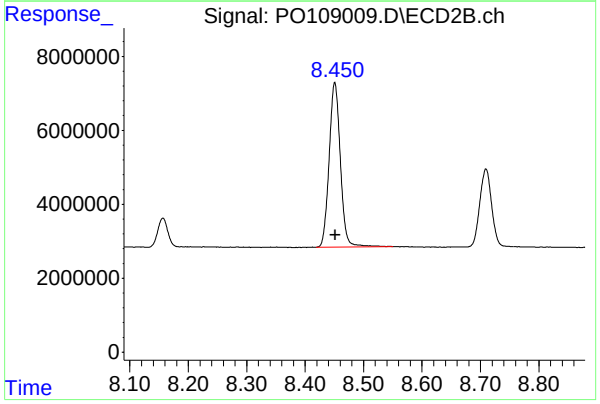
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 9246442
Conc: 51.54 ng/ml



#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 mi
Response: 116168010
Conc: 48.23 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.451 min
Delta R.T.: -0.001 min
Response: 59459506
Conc: 49.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:08
Operator : YP/AJ
Sample : PO012125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 02:32:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 02:14:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	409.4E6	303.2E6	54.176	56.555
2)	SA Decachlor...	8.760	8.711	374.2E6	186.7E6	54.018	54.303
	Target Compounds						
3)	L1 AR-1016-1	4.795	4.781	134.3E6	91147651	532.484	562.925m
4)	L1 AR-1016-2	4.815	4.801	187.1E6	128.3E6	542.444	538.530m
5)	L1 AR-1016-3	4.871	4.976	131.0E6	70918187	536.436	543.944m
6)	L1 AR-1016-4	4.992	5.018	102.0E6	59678316	534.734	539.985m
7)	L1 AR-1016-5	5.249	5.231	112.9E6	78836265	541.040	549.217m
31)	L7 AR-1260-1	6.291	6.265	203.9E6	136.8E6	534.939	542.573
32)	L7 AR-1260-2	6.480	6.452	251.4E6	162.8E6	535.300	541.157
33)	L7 AR-1260-3	6.849	6.606	207.7E6	149.8E6	530.440	538.012
34)	L7 AR-1260-4	7.109	7.077	192.2E6	124.6E6	537.013	552.160m
35)	L7 AR-1260-5	7.350	7.317	450.9E6	276.2E6	540.230	551.648

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:08
Operator : YP/AJ
Sample : PO012125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

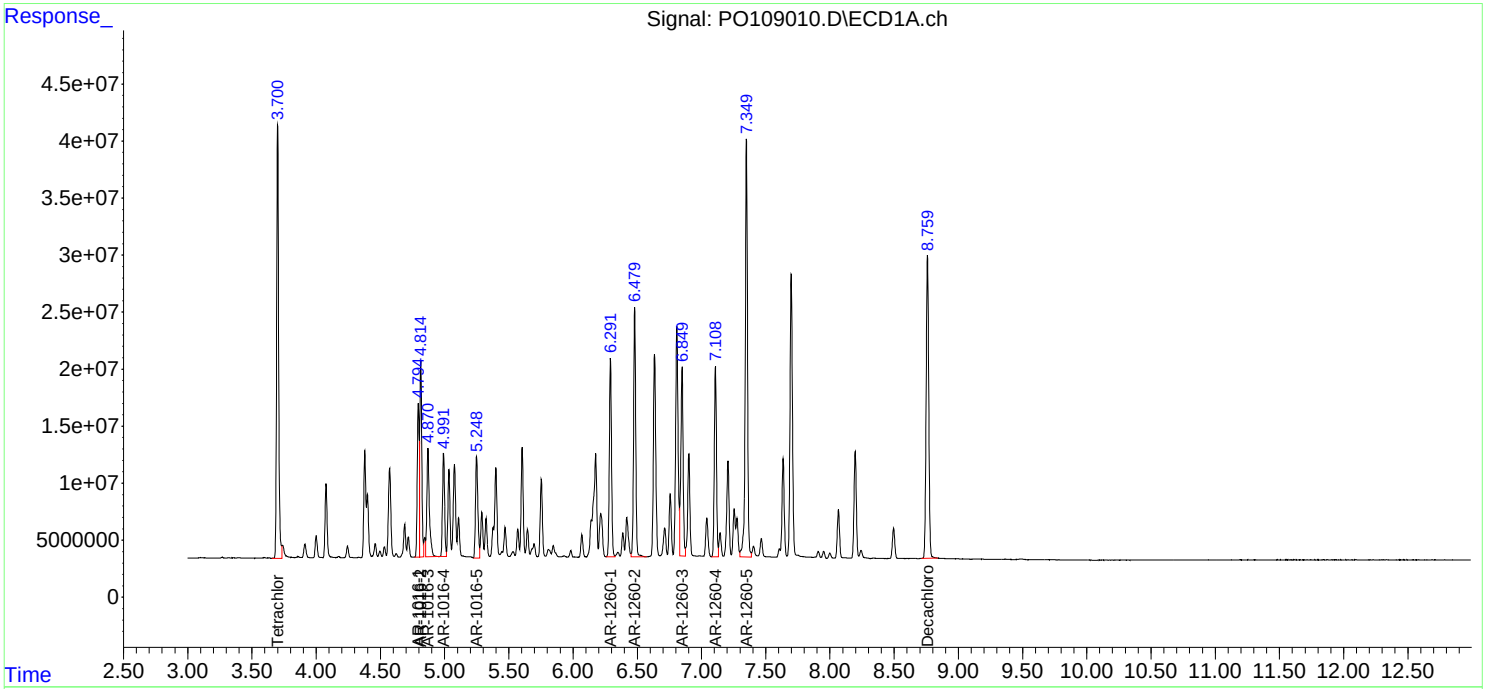
Instrument :
ECD_O
ClientSampleId :
ICVPO012125

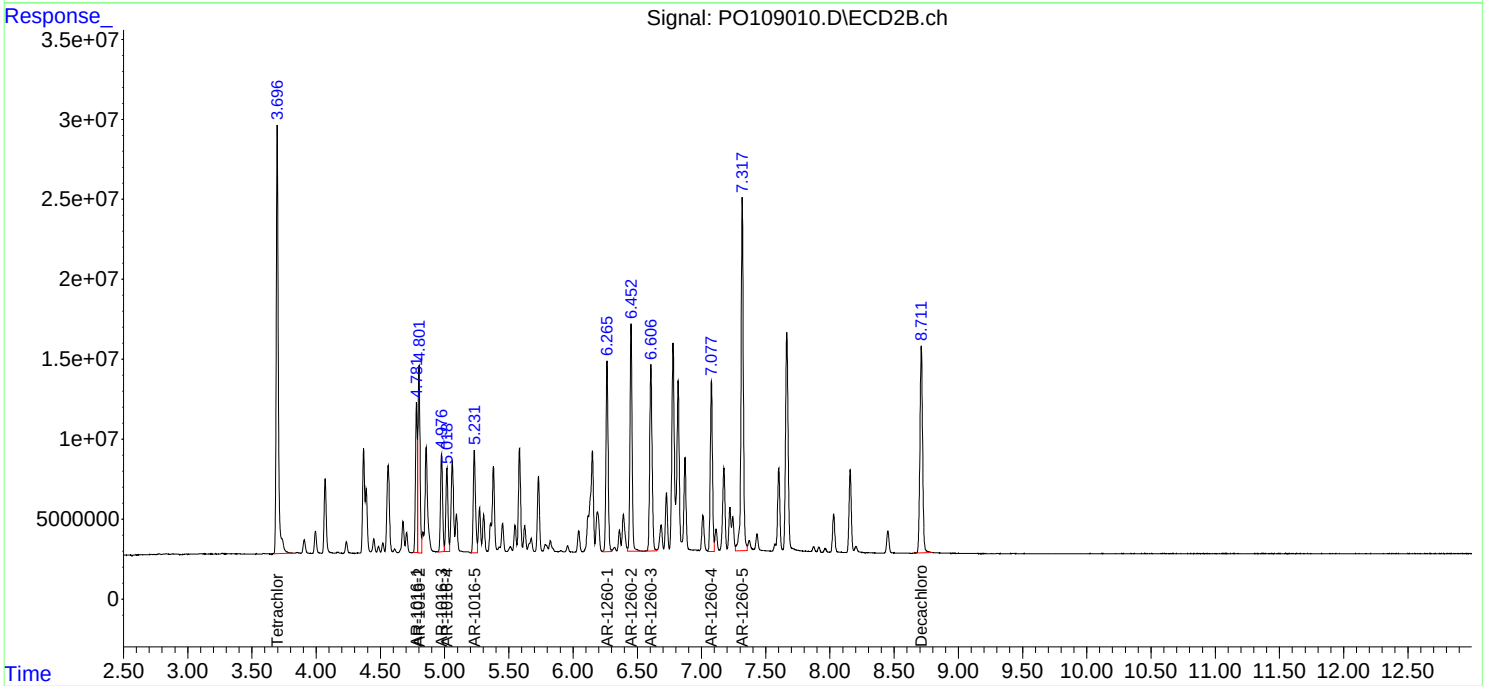
Manual Integrations APPROVED

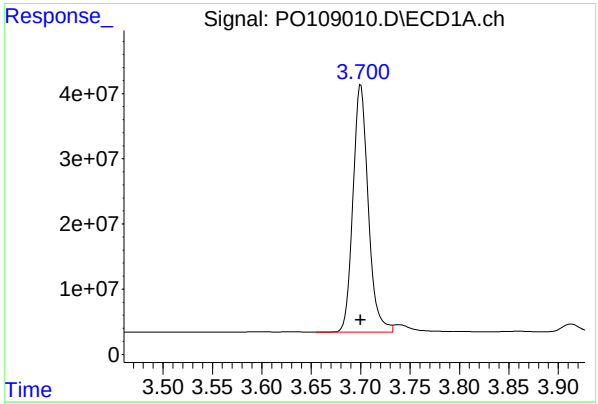
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 02:32:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 02:14:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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







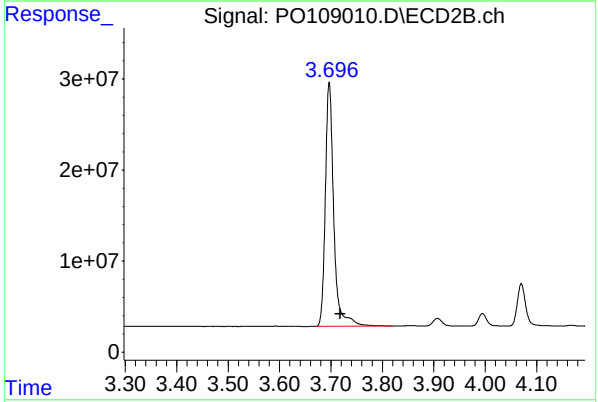
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 409380444
Conc: 54.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

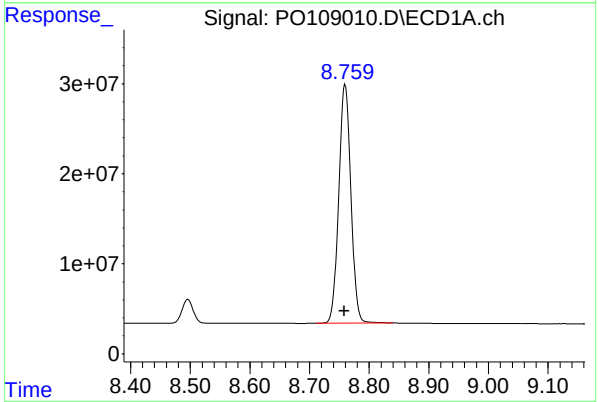
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



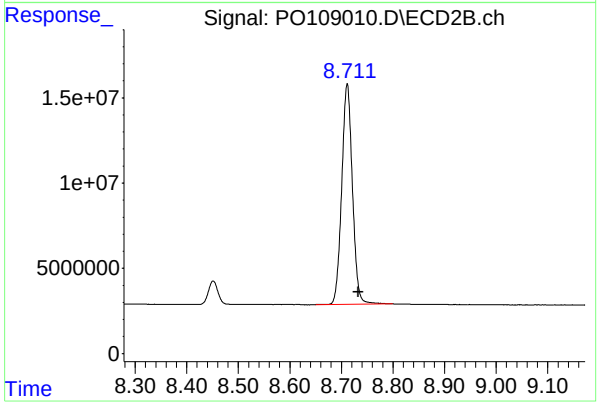
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.022 min
Response: 303154124
Conc: 56.56 ng/ml



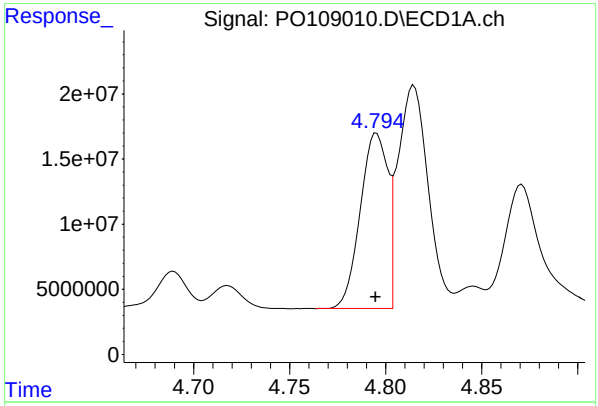
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.002 min
Response: 374223274
Conc: 54.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 186734469
Conc: 54.30 ng/ml



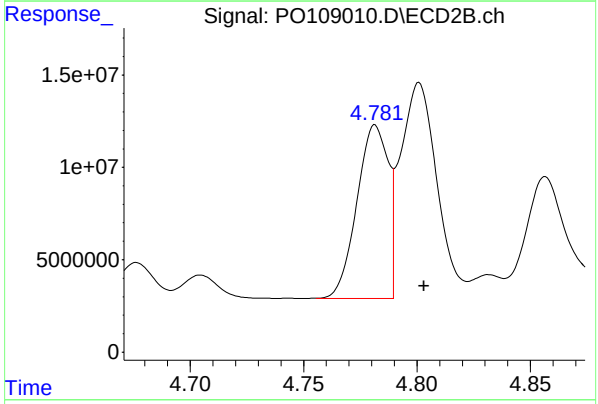
#3 AR-1016-1

R.T.: 4.795 min
Delta R.T.: 0.000 mi
Response: 134338605
Conc: 532.48 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

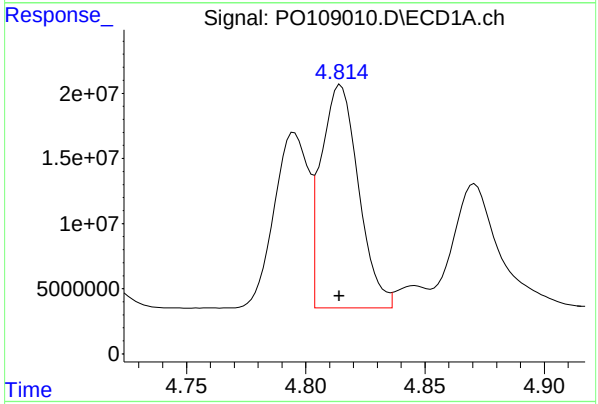
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



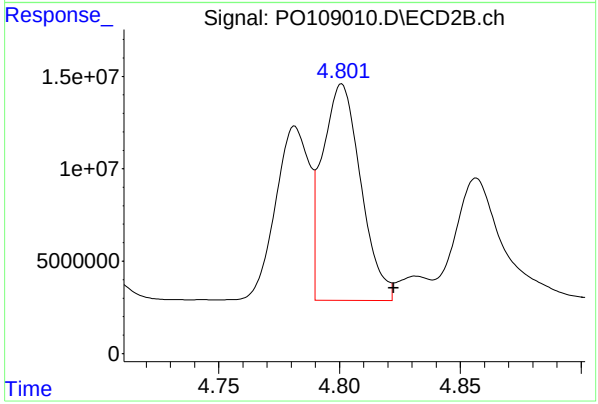
#3 AR-1016-1

R.T.: 4.781 min
Delta R.T.: -0.022 min
Response: 91147651
Conc: 562.92 ng/ml m



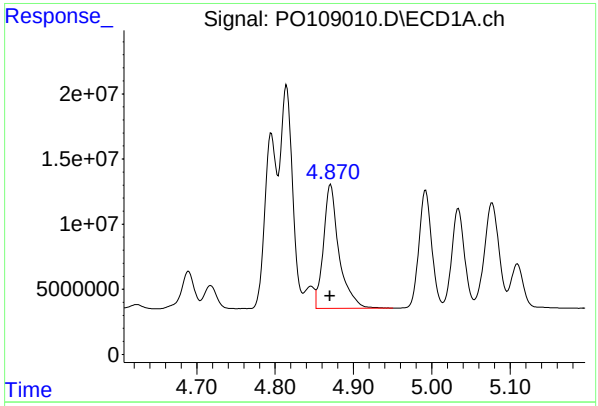
#4 AR-1016-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 187080763
Conc: 542.44 ng/ml



#4 AR-1016-2

R.T.: 4.801 min
Delta R.T.: -0.022 min
Response: 128297378
Conc: 538.53 ng/ml m



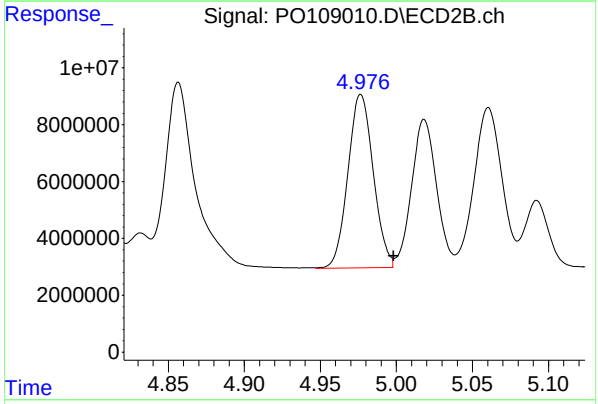
#5 AR-1016-3

R.T.: 4.871 min
Delta R.T.: 0.000 mi
Response: 130952901
Conc: 536.44 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

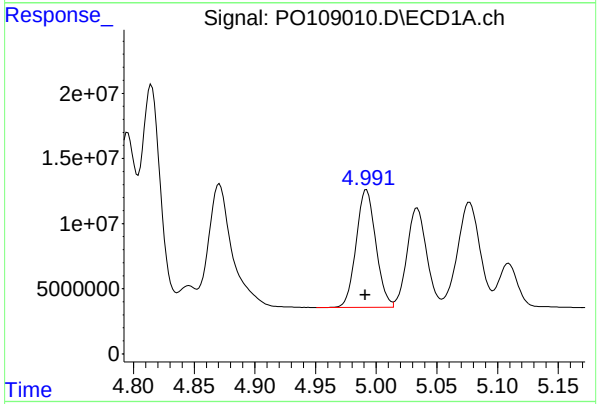
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



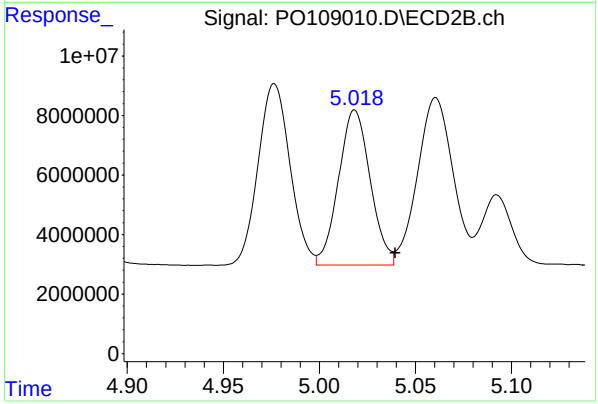
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 70918187
Conc: 543.94 ng/ml m



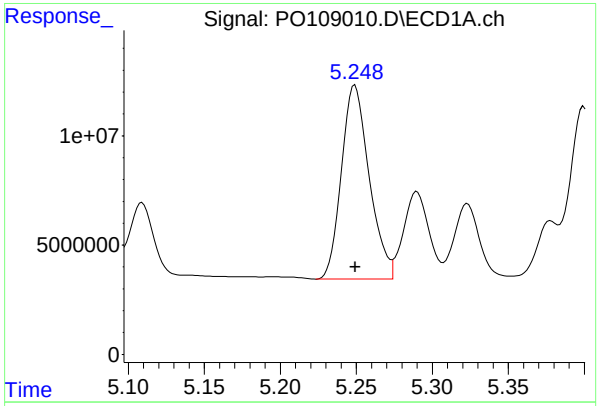
#6 AR-1016-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 102042905
Conc: 534.73 ng/ml



#6 AR-1016-4

R.T.: 5.018 min
Delta R.T.: -0.022 min
Response: 59678316
Conc: 539.98 ng/ml m



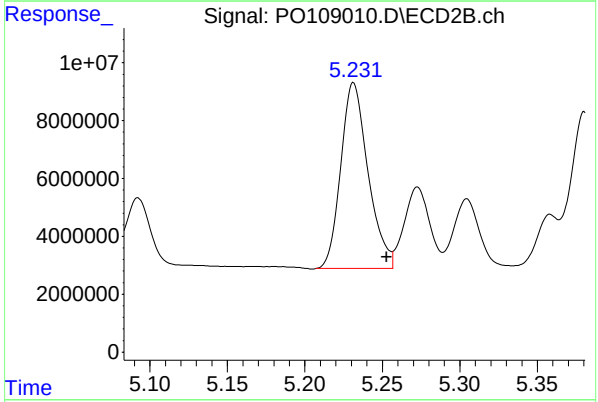
#7 AR-1016-5

R.T.: 5.249 min
Delta R.T.: 0.000 mi
Response: 112948294
Conc: 541.04 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

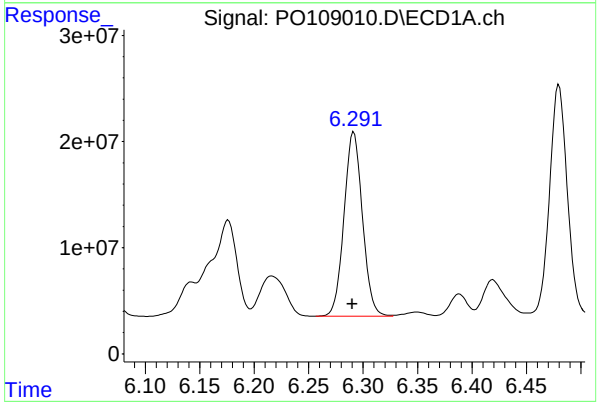
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



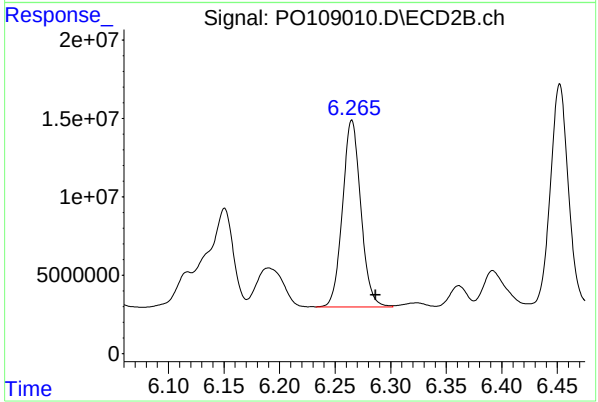
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 78836265
Conc: 549.22 ng/ml m



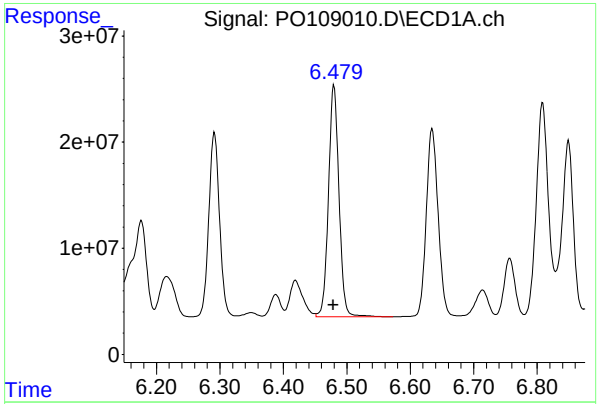
#31 AR-1260-1

R.T.: 6.291 min
Delta R.T.: 0.001 min
Response: 203895112
Conc: 534.94 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.021 min
Response: 136754955
Conc: 542.57 ng/ml



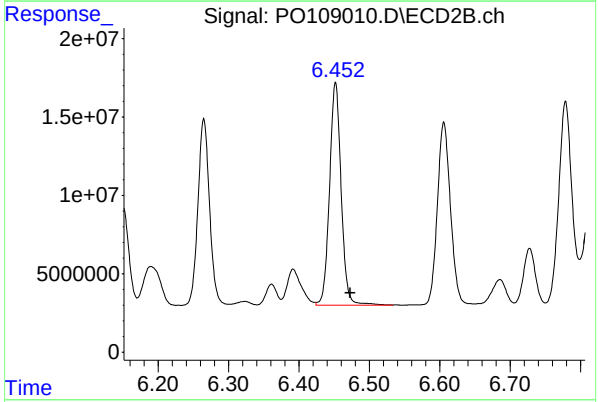
#32 AR-1260-2

R.T.: 6.480 min
Delta R.T.: 0.001 min
Response: 251366641
Conc: 535.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

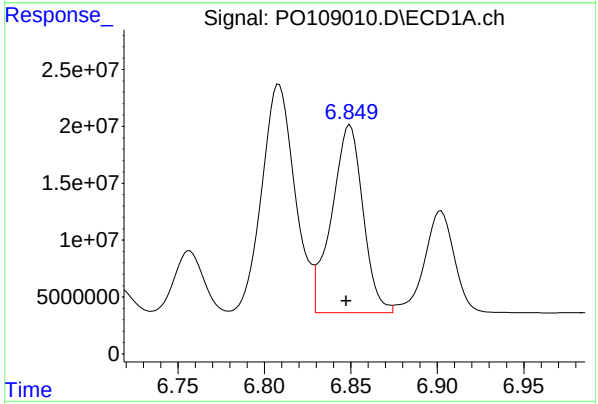
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



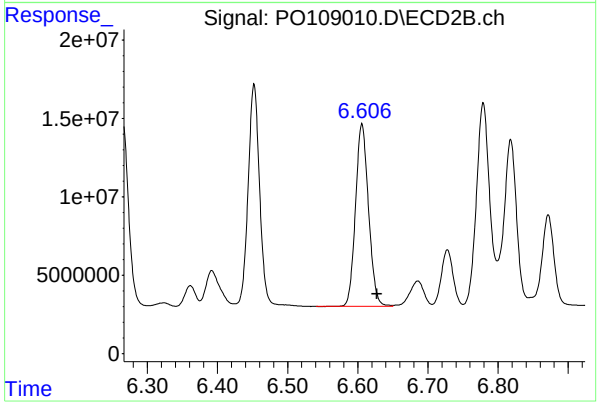
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 162782417
Conc: 541.16 ng/ml



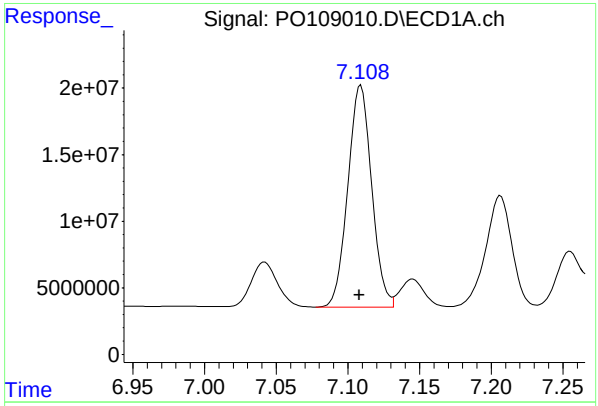
#33 AR-1260-3

R.T.: 6.849 min
Delta R.T.: 0.002 min
Response: 207700012
Conc: 530.44 ng/ml



#33 AR-1260-3

R.T.: 6.606 min
Delta R.T.: -0.021 min
Response: 149775009
Conc: 538.01 ng/ml



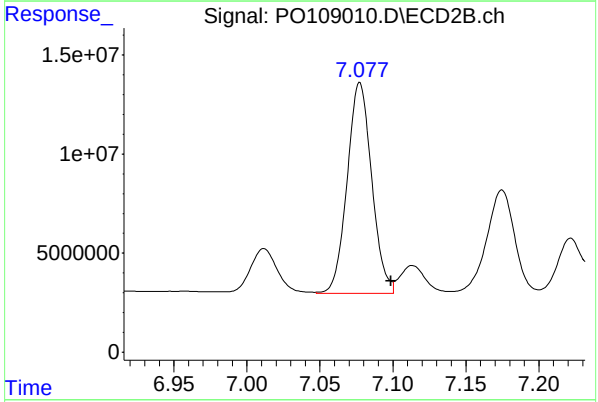
#34 AR-1260-4

R.T.: 7.109 min
Delta R.T.: 0.000 mi
Response: 192227720
Conc: 537.01 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

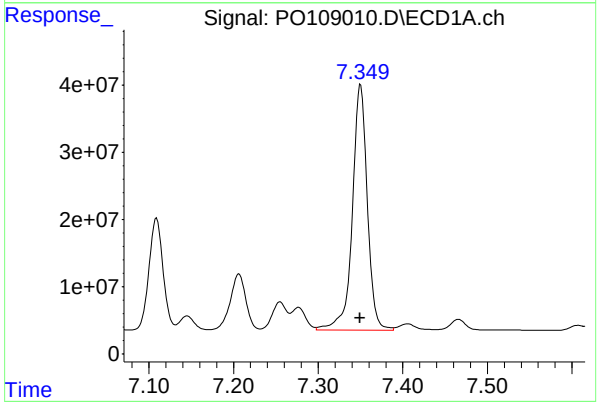
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



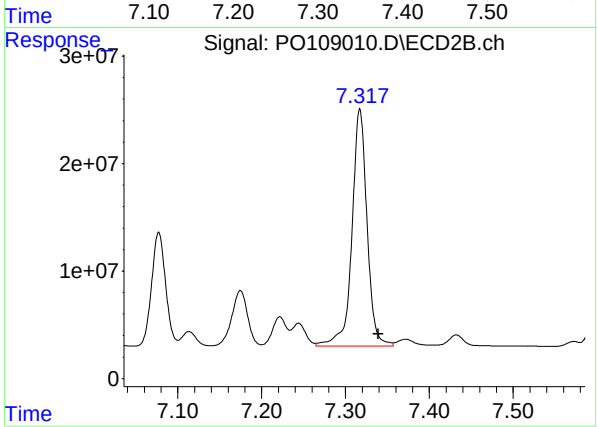
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.022 min
Response: 124595554
Conc: 552.16 ng/ml m



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 450873343
Conc: 540.23 ng/ml



#35 AR-1260-5

R.T.: 7.317 min
Delta R.T.: -0.022 min
Response: 276199206
Conc: 551.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:26
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 02:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 02:49:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	386.3E6	286.6E6	52.866	54.625
2)	SA Decachlor...	8.762	8.712	347.1E6	171.9E6	52.933	52.638
	Target Compounds						
16)	L4 AR-1242-1	4.795	4.782	110.3E6	75063056	519.318	525.241
17)	L4 AR-1242-2	4.815	4.801	151.8E6	105.2E6	529.425	533.588
18)	L4 AR-1242-3	4.871	4.977	107.5E6	58321364	525.057	534.847
19)	L4 AR-1242-4	4.992	5.061	83448593	61045200	525.266	537.162
20)	L4 AR-1242-5	5.646	5.583	88945375	73071301	532.508	534.199

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

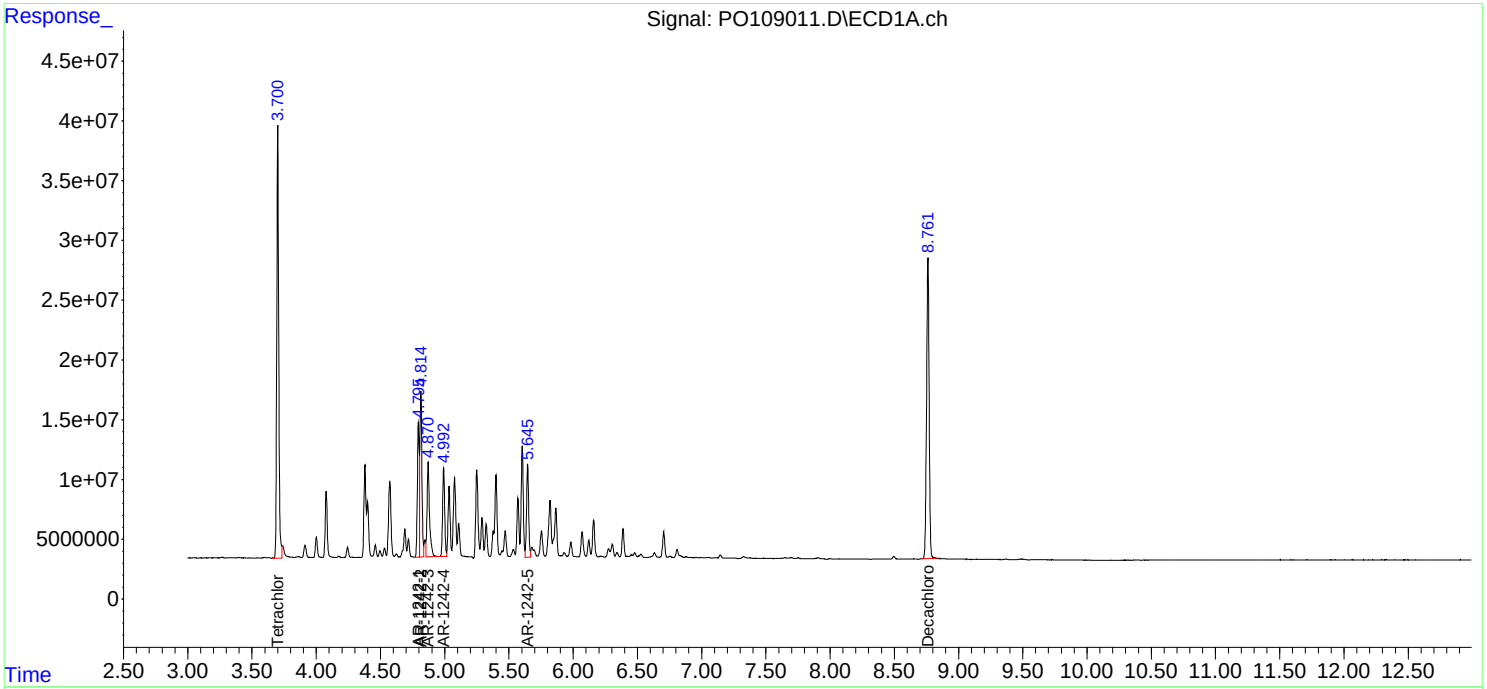
ICAL Form

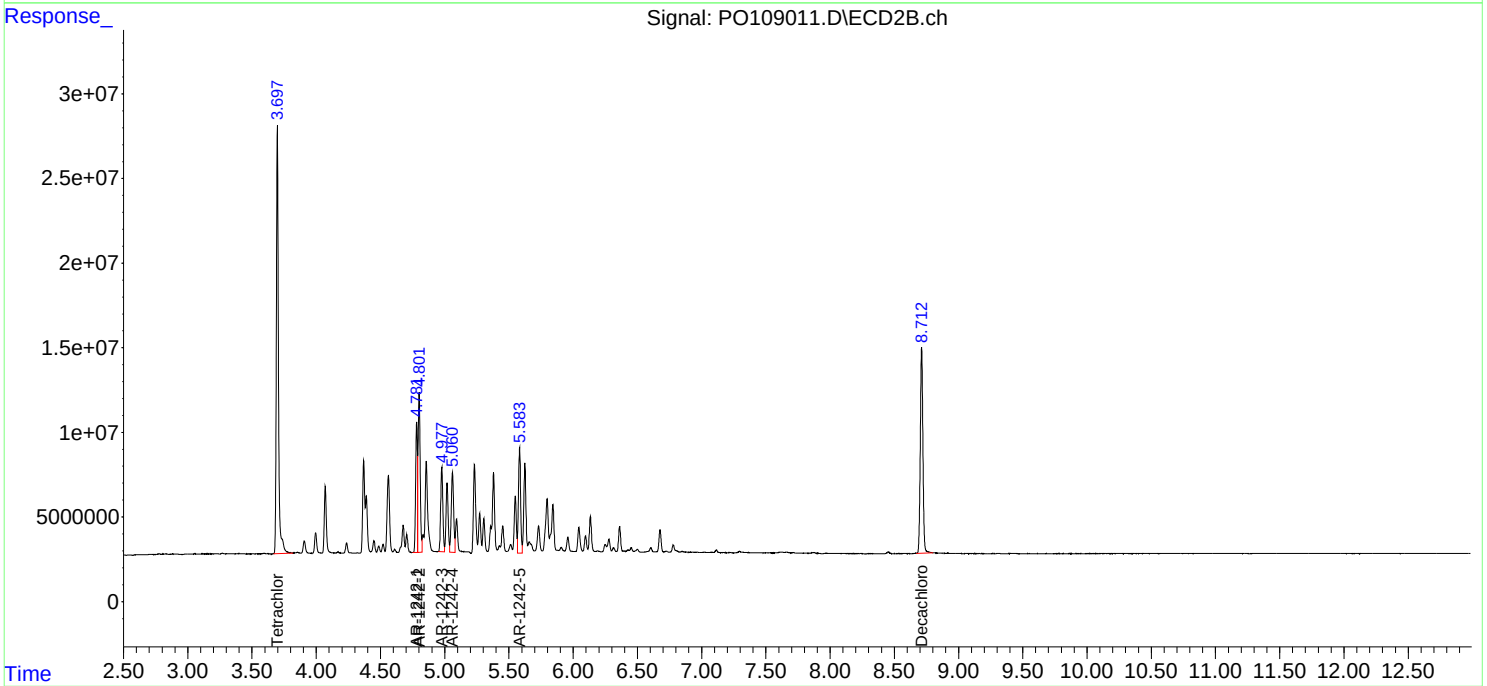
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:26
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

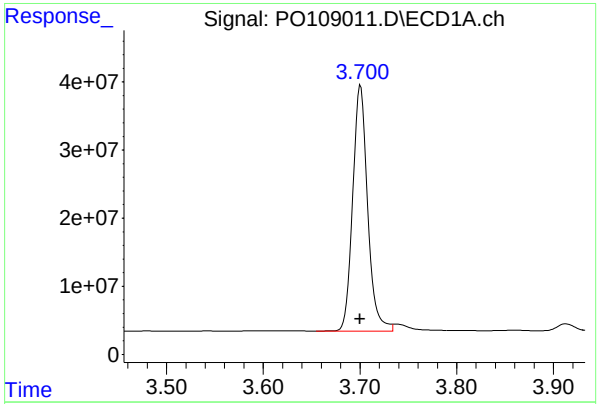
Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 02:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 02:49:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



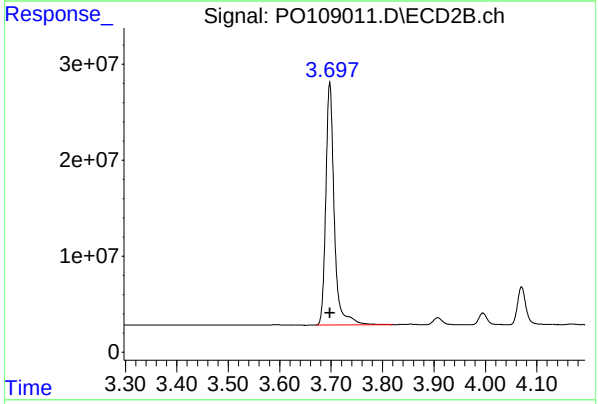




#1 Tetrachloro-m-xylene

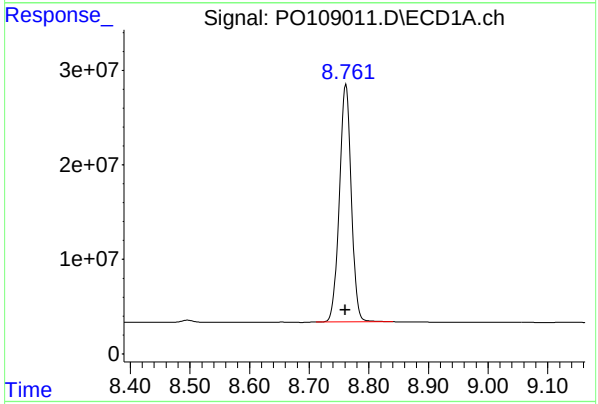
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 386287216
Conc: 52.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242



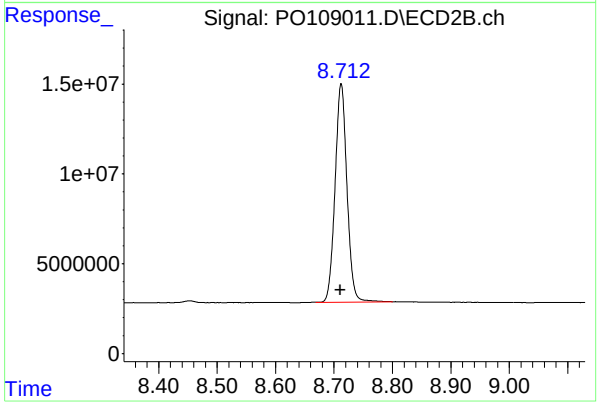
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 286593943
Conc: 54.63 ng/ml



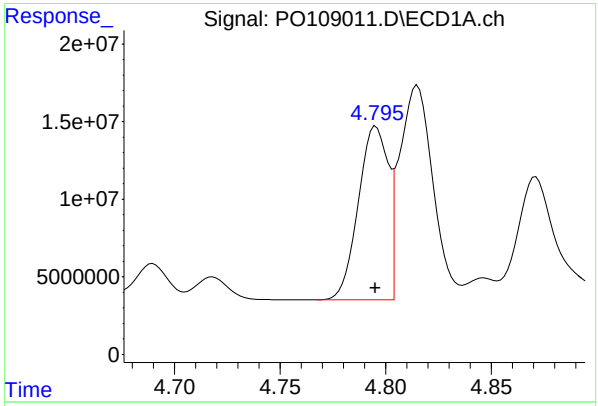
#2 Decachlorobiphenyl

R.T.: 8.762 min
Delta R.T.: 0.001 min
Response: 347073124
Conc: 52.93 ng/ml



#2 Decachlorobiphenyl

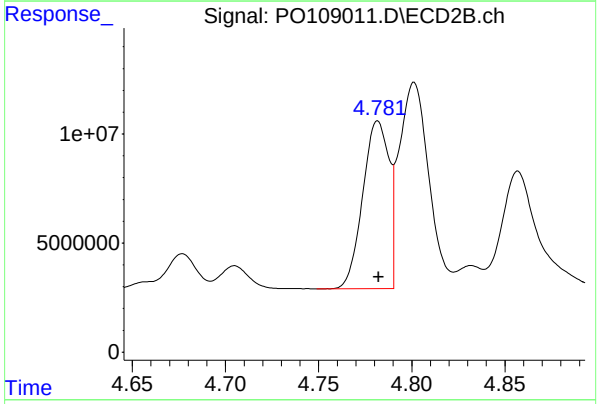
R.T.: 8.712 min
Delta R.T.: 0.002 min
Response: 171883230
Conc: 52.64 ng/ml



#16 AR-1242-1

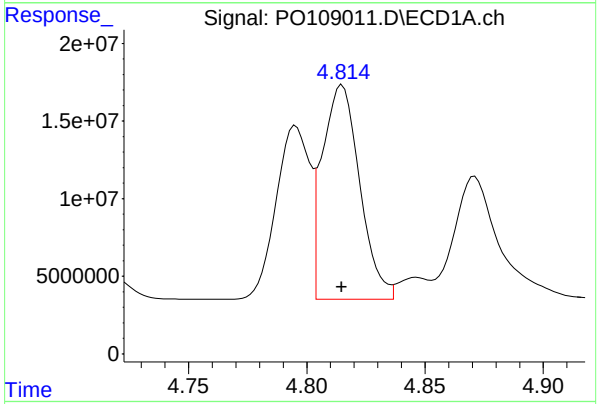
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 110324439
Conc: 519.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242



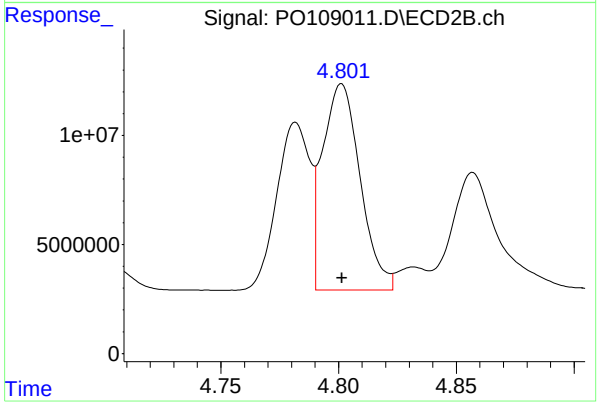
#16 AR-1242-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 75063056
Conc: 525.24 ng/ml



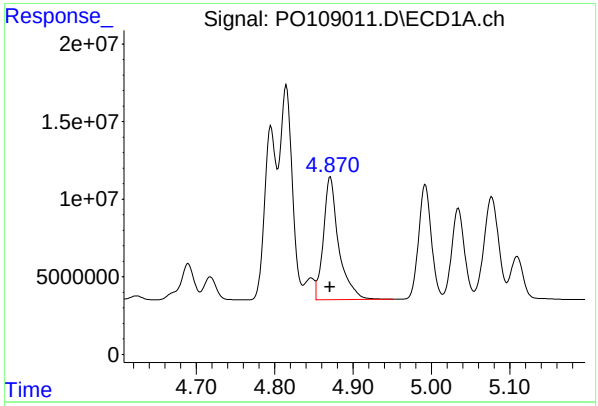
#17 AR-1242-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 151800139
Conc: 529.43 ng/ml



#17 AR-1242-2

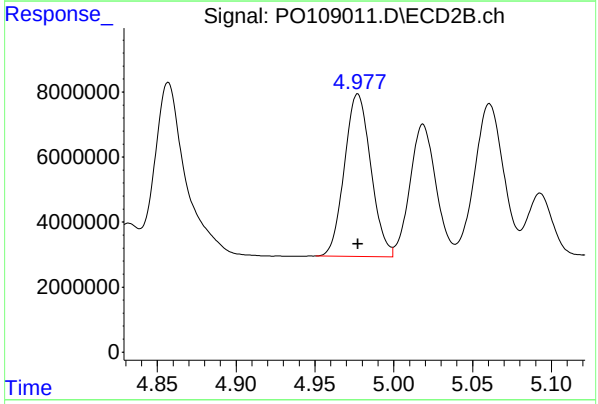
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 105232691
Conc: 533.59 ng/ml



#18 AR-1242-3

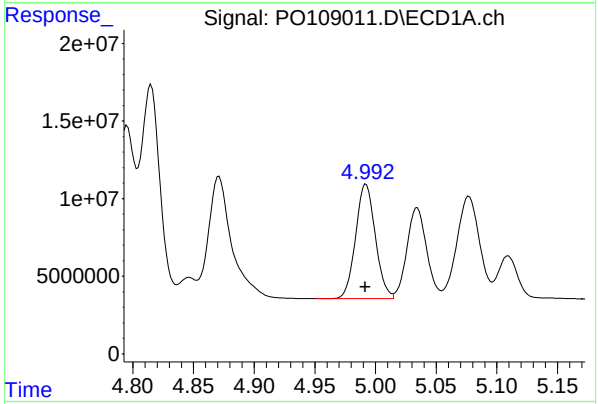
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 107484021
Conc: 525.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242



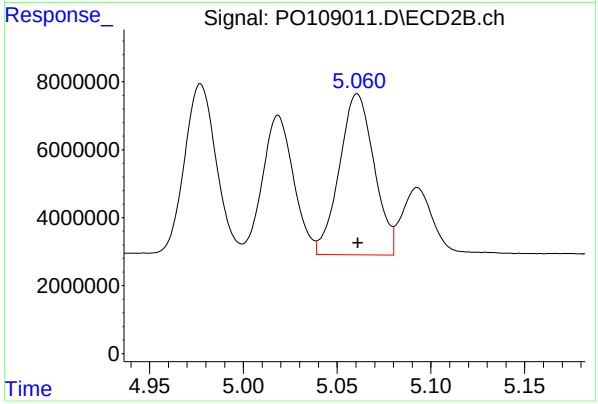
#18 AR-1242-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 58321364
Conc: 534.85 ng/ml



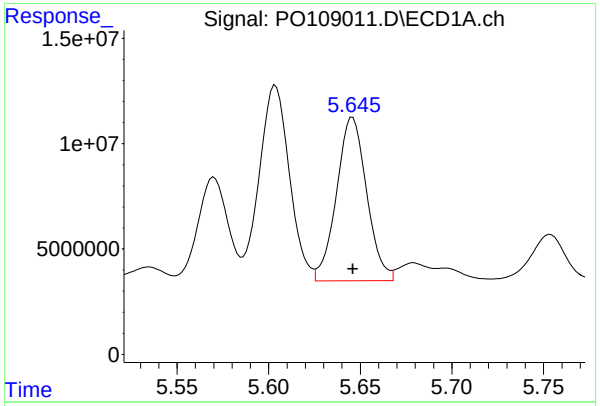
#19 AR-1242-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 83448593
Conc: 525.27 ng/ml



#19 AR-1242-4

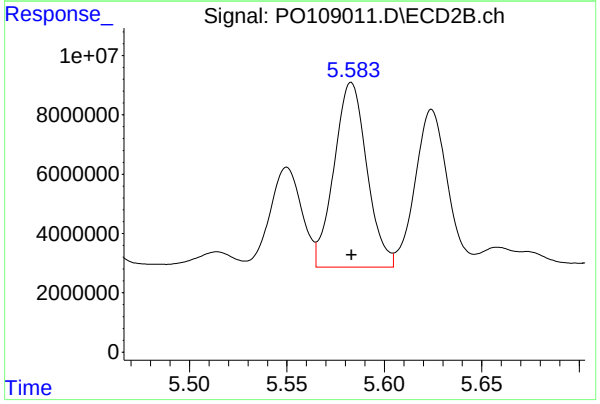
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 61045200
Conc: 537.16 ng/ml



#20 AR-1242-5

R.T.: 5.646 min
Delta R.T.: 0.000 min
Response: 88945375
Conc: 532.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242



#20 AR-1242-5

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 73071301
Conc: 534.20 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:44
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 03:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:02:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.701	3.697	399.0E6	281.8E6	53.909	54.190
2)	SA Decachlor...	8.759	8.711	349.1E6	172.2E6	52.923	52.413
	Target Compounds						
21)	L5 AR-1248-1	4.796	4.782	83705170	56687632	524.563	528.213
22)	L5 AR-1248-2	5.034	5.019	115.0E6	80555675	514.528	523.169
23)	L5 AR-1248-3	5.250	5.061	143.1E6	86081510	522.435	520.526
24)	L5 AR-1248-4	5.604	5.232	199.6E6	100.4E6	519.034	524.353
25)	L5 AR-1248-5	5.647	5.625	139.3E6	96246684	524.264	525.330

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

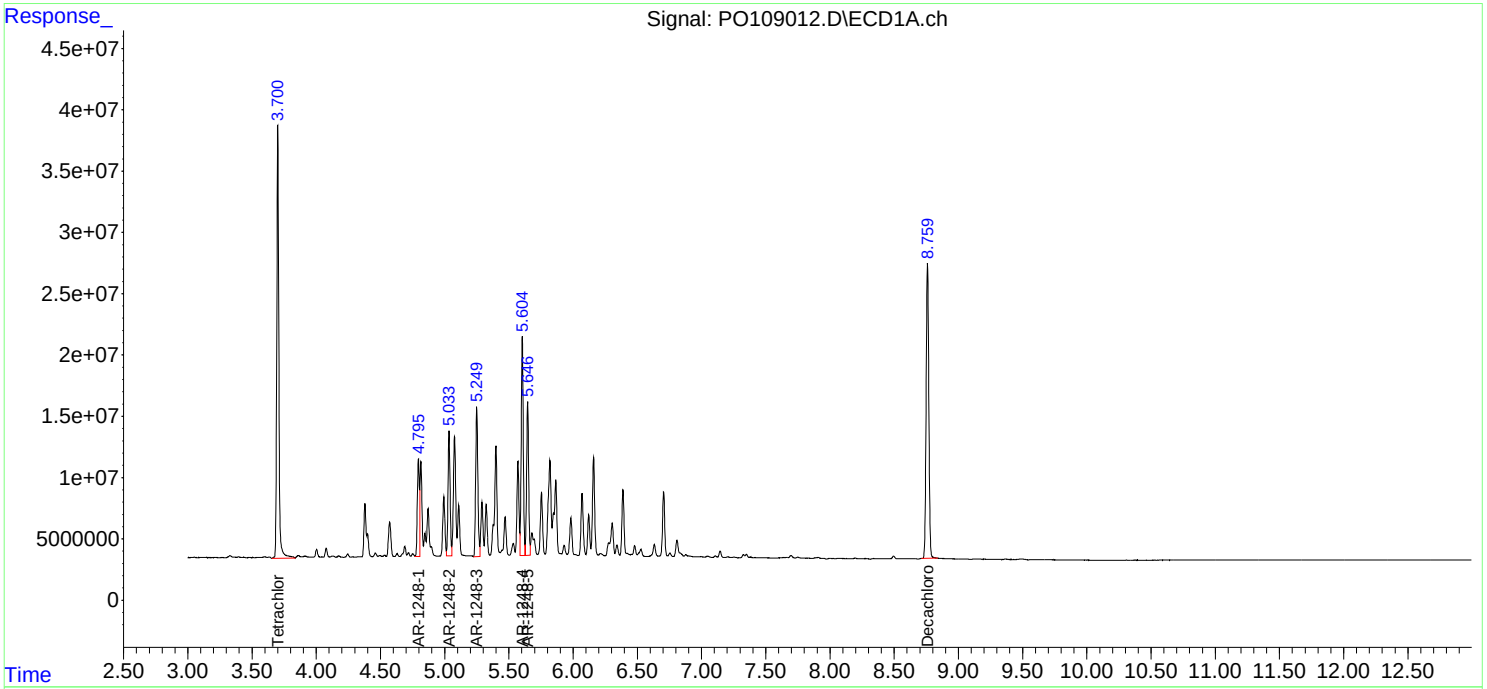
ICAL Form

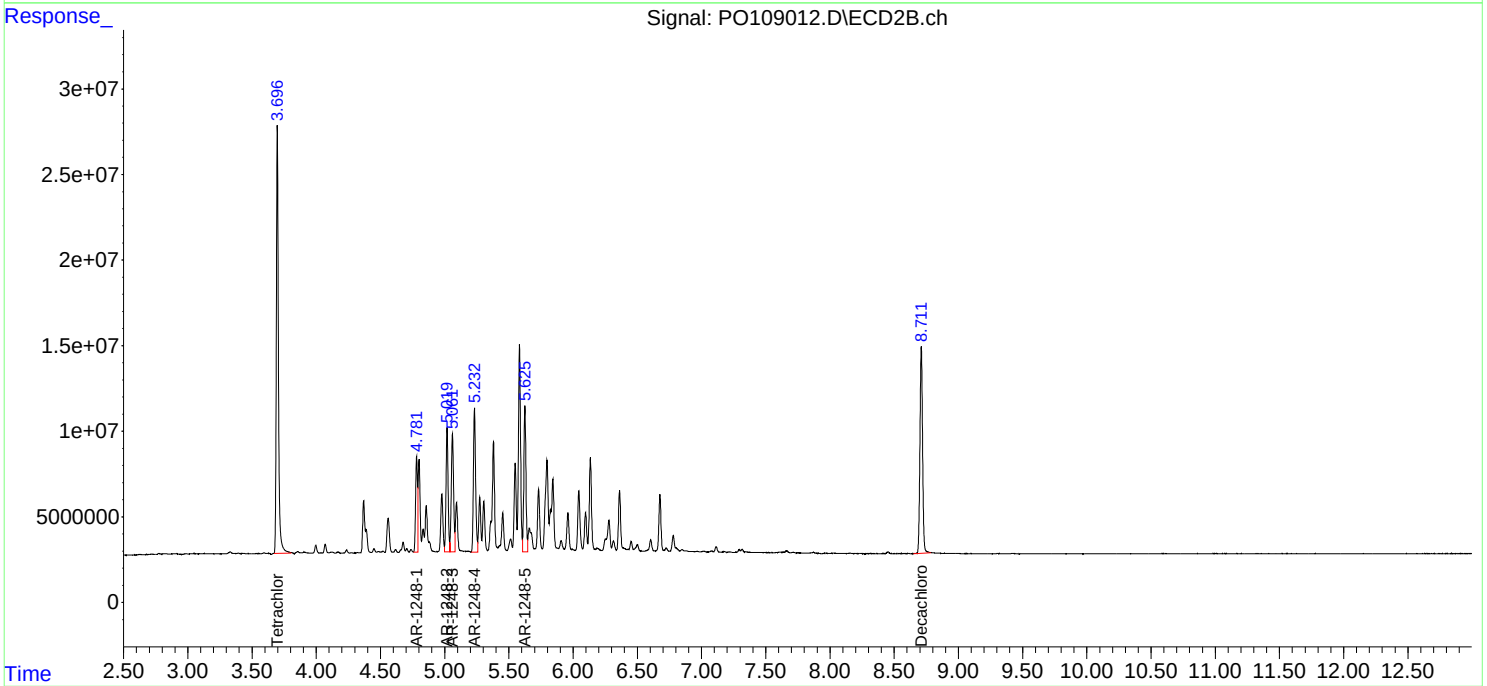
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:44
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

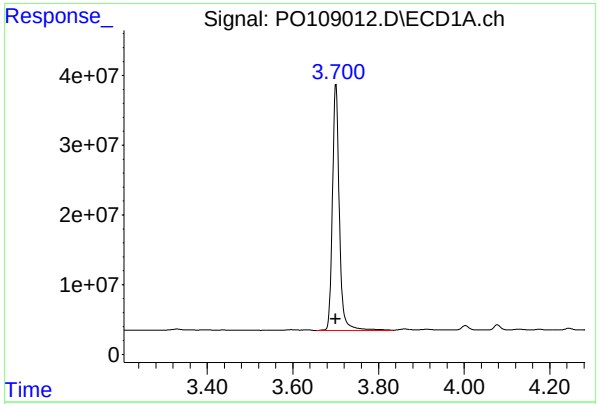
Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 03:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:02:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



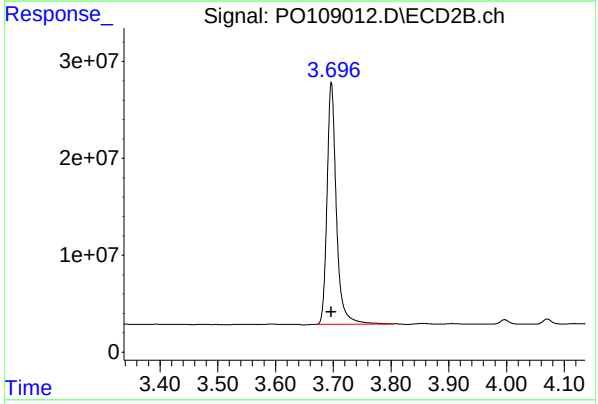




#1 Tetrachloro-m-xylene

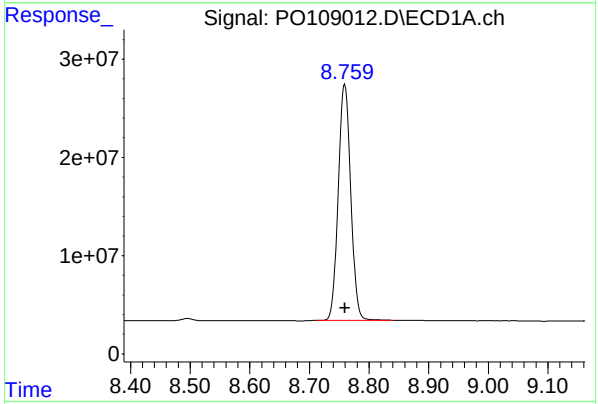
R.T.: 3.701 min
Delta R.T.: 0.000 min
Response: 398988402
Conc: 53.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248



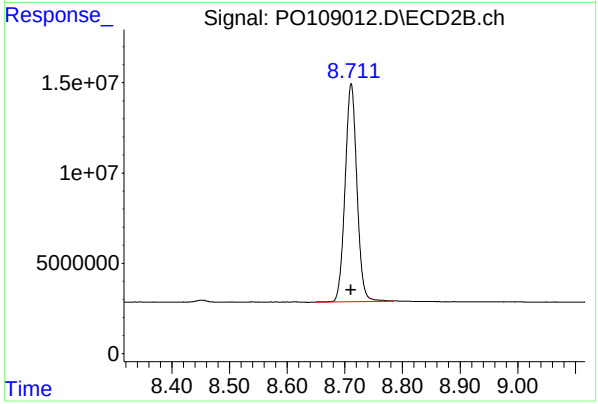
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 281848047
Conc: 54.19 ng/ml



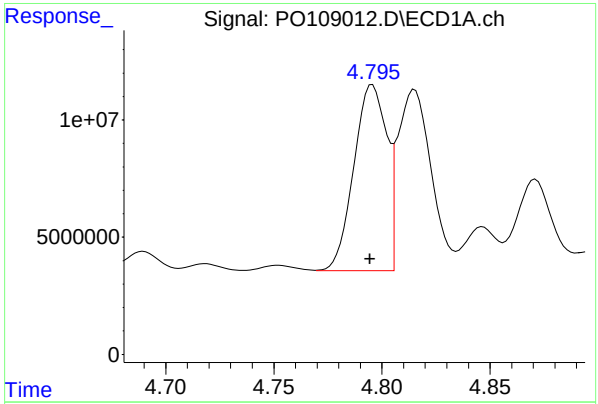
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 349066612
Conc: 52.92 ng/ml



#2 Decachlorobiphenyl

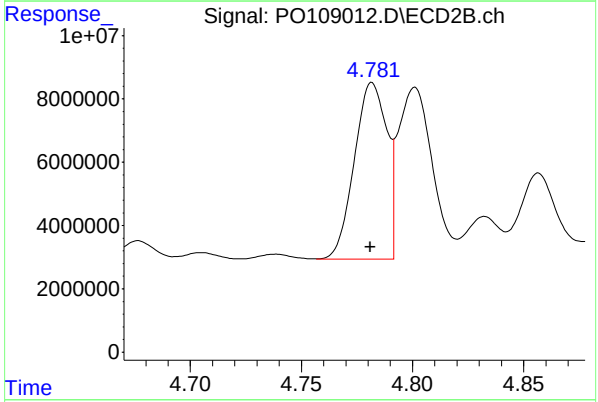
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 172198922
Conc: 52.41 ng/ml



#21 AR-1248-1

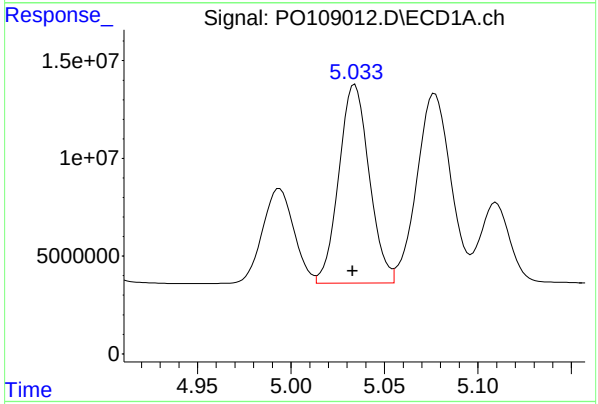
R.T.: 4.796 min
Delta R.T.: 0.001 mi
Response: 83705170
Conc: 524.56 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248



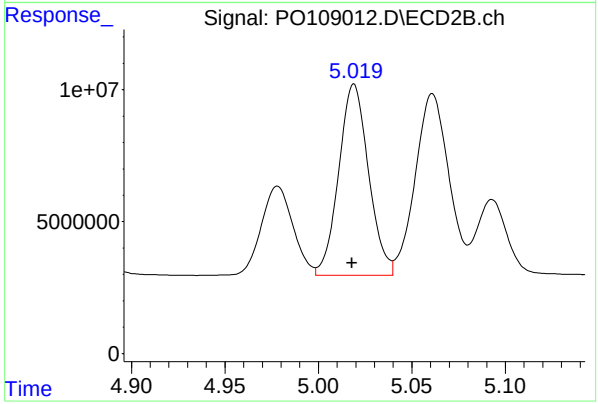
#21 AR-1248-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 56687632
Conc: 528.21 ng/ml



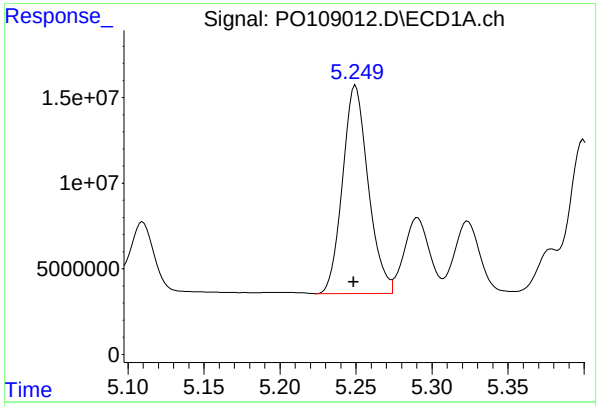
#22 AR-1248-2

R.T.: 5.034 min
Delta R.T.: 0.001 min
Response: 114991573
Conc: 514.53 ng/ml



#22 AR-1248-2

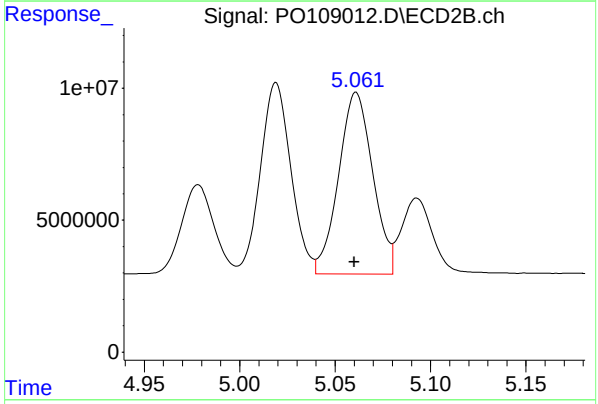
R.T.: 5.019 min
Delta R.T.: 0.001 min
Response: 80555675
Conc: 523.17 ng/ml



#23 AR-1248-3

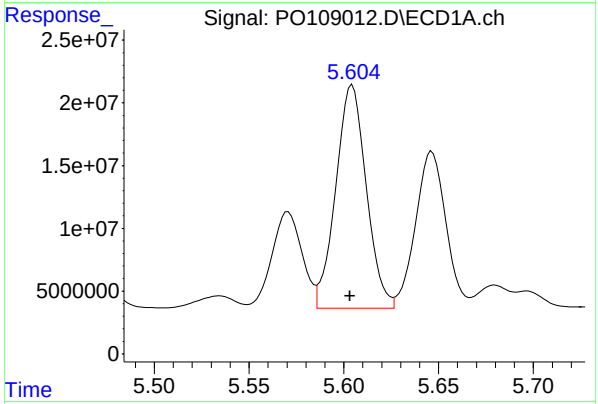
R.T.: 5.250 min
Delta R.T.: 0.001 min
Response: 143074138
Conc: 522.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248



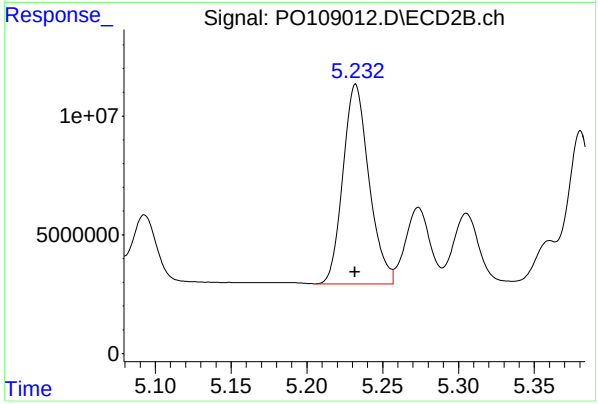
#23 AR-1248-3

R.T.: 5.061 min
Delta R.T.: 0.001 min
Response: 86081510
Conc: 520.53 ng/ml



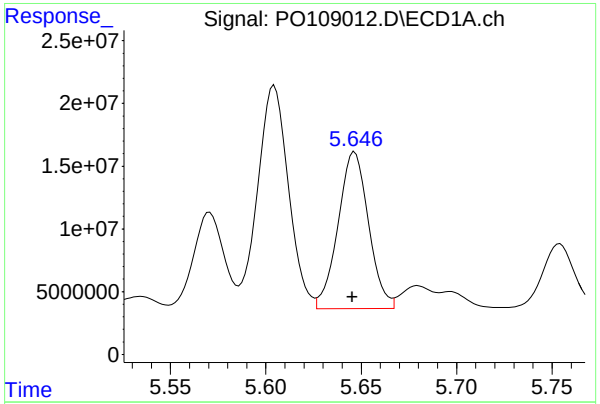
#24 AR-1248-4

R.T.: 5.604 min
Delta R.T.: 0.001 min
Response: 199592513
Conc: 519.03 ng/ml



#24 AR-1248-4

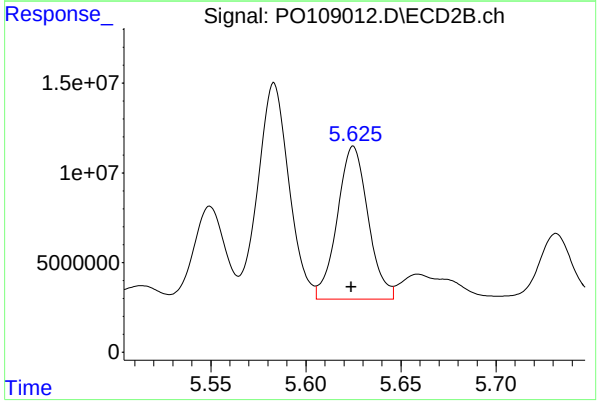
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 100416664
Conc: 524.35 ng/ml



#25 AR-1248-5

R.T.: 5.647 min
Delta R.T.: 0.001 min
Response: 139280848
Conc: 524.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248



#25 AR-1248-5

R.T.: 5.625 min
Delta R.T.: 0.001 min
Response: 96246684
Conc: 525.33 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 03:03
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 08:22:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.701	3.697	410.5E6	292.1E6	54.329	54.495
2)	SA Decachlor...	8.759	8.711	355.2E6	175.6E6	51.277	51.063
	Target Compounds						
26)	L6 AR-1254-1	5.605	5.583	218.5E6	150.1E6	528.281	533.906
27)	L6 AR-1254-2	5.754	5.731	190.9E6	132.4E6	527.639	529.106
28)	L6 AR-1254-3	6.160	6.134	301.4E6	210.9E6	534.208	536.984
29)	L6 AR-1254-4	6.389	6.362	189.9E6	121.5E6	551.095	551.507
30)	L6 AR-1254-5	6.809	6.780	275.1E6	175.9E6	536.150	538.472

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

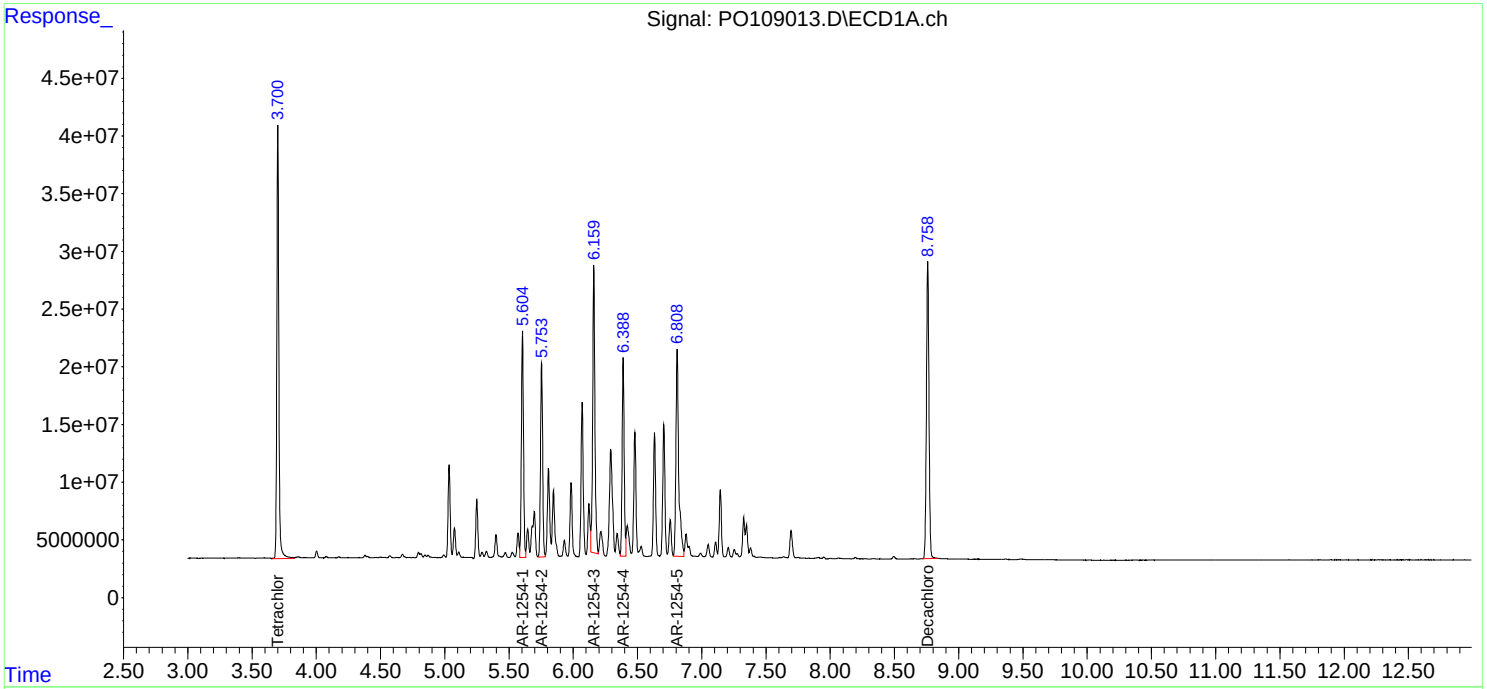
ICAL Form

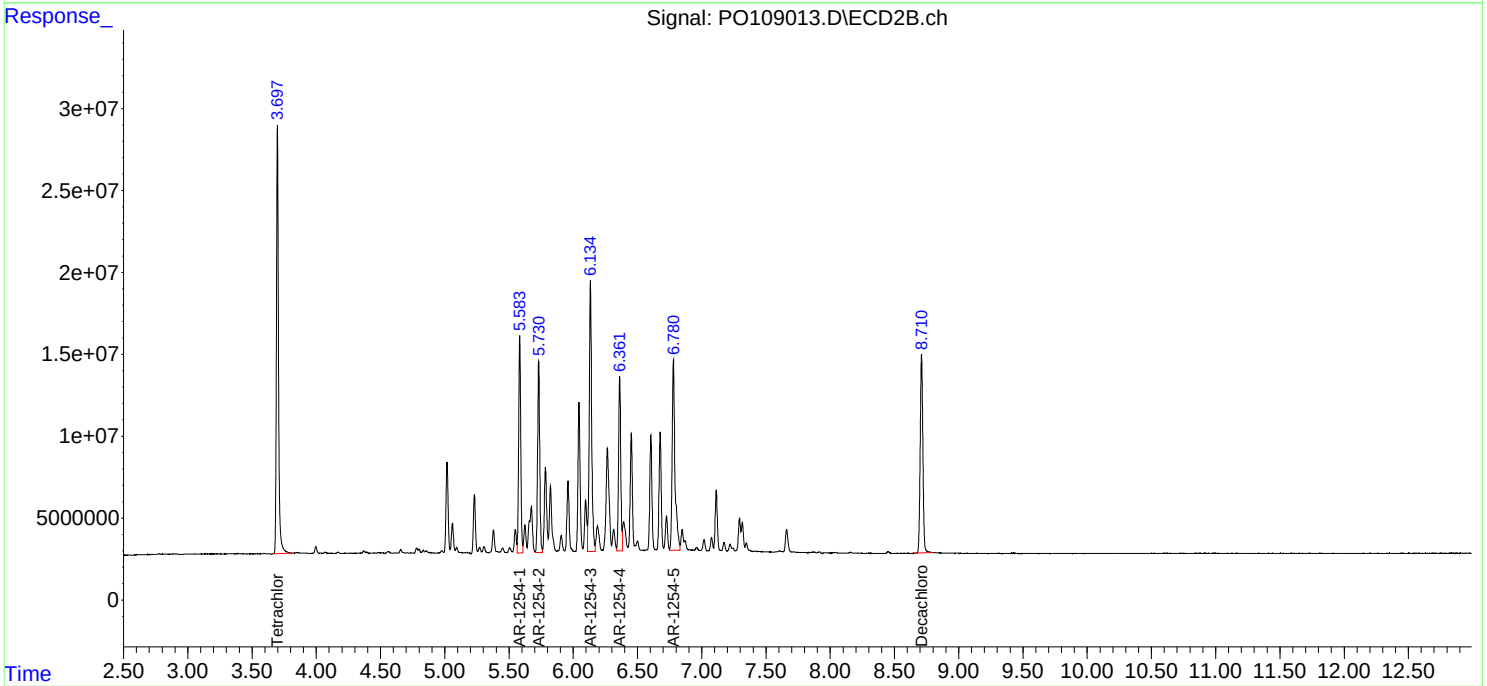
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 03:03
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

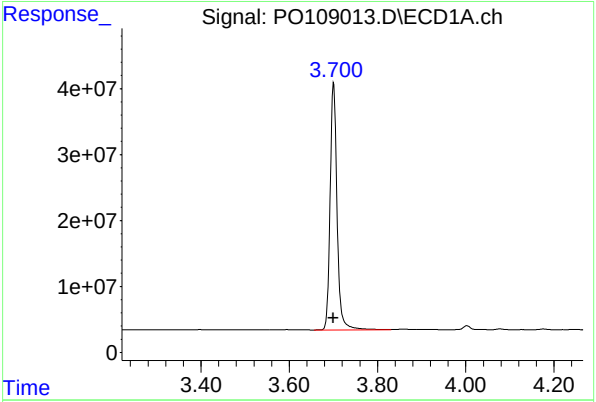
Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 08:22:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



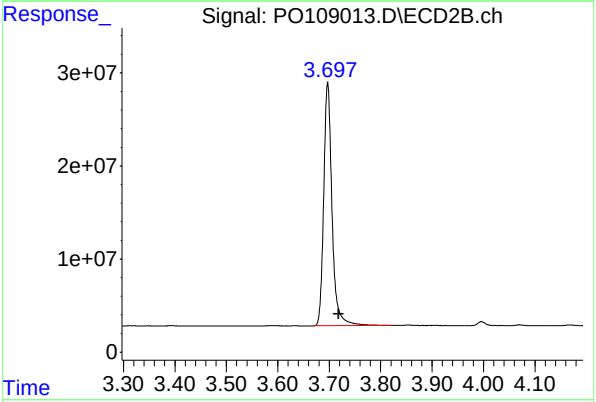




#1 Tetrachloro-m-xylene

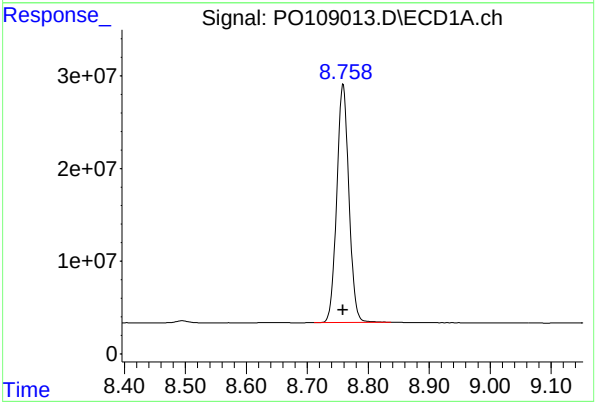
R.T.: 3.701 min
Delta R.T.: 0.000 min
Response: 410530354
Conc: 54.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254



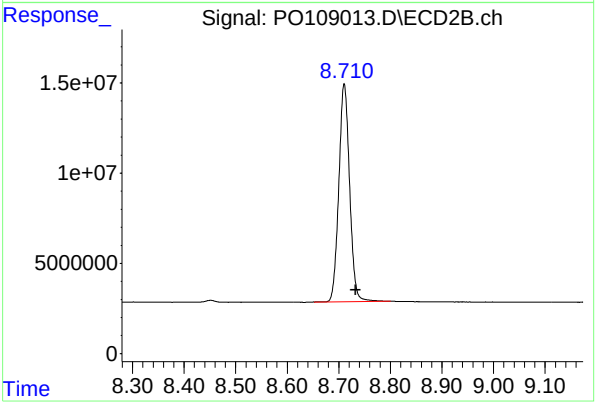
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.021 min
Response: 292110454
Conc: 54.49 ng/ml



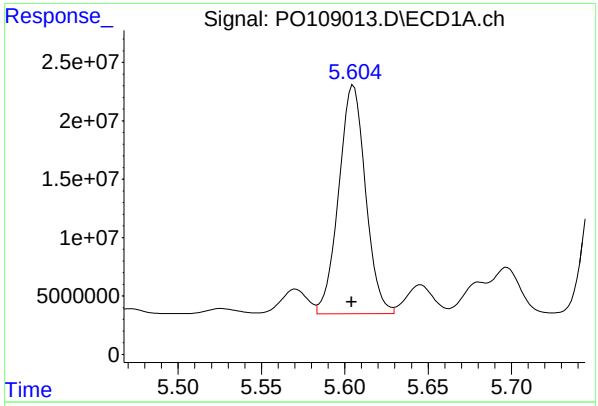
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 355233975
Conc: 51.28 ng/ml



#2 Decachlorobiphenyl

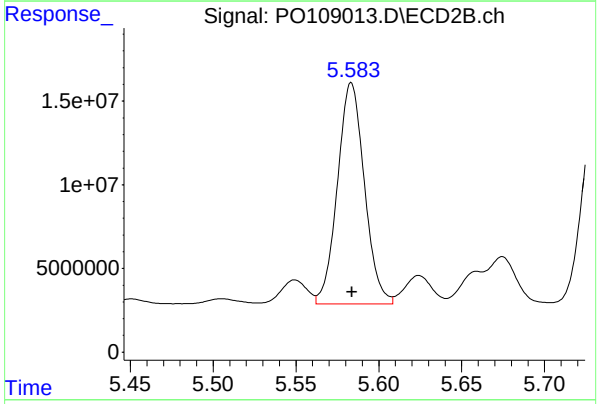
R.T.: 8.711 min
Delta R.T.: -0.023 min
Response: 175593184
Conc: 51.06 ng/ml



#26 AR-1254-1

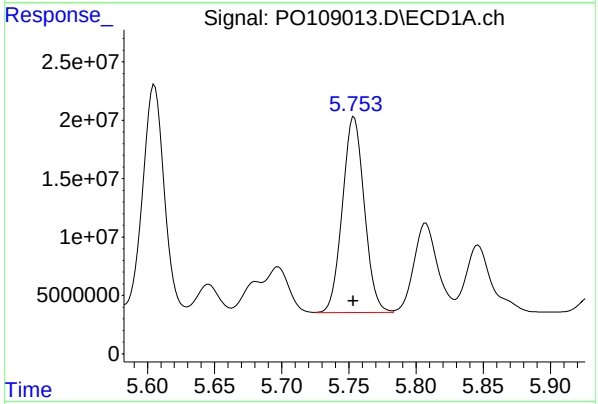
R.T.: 5.605 min
Delta R.T.: 0.001 mi
Response: 218460601
Conc: 528.28 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254



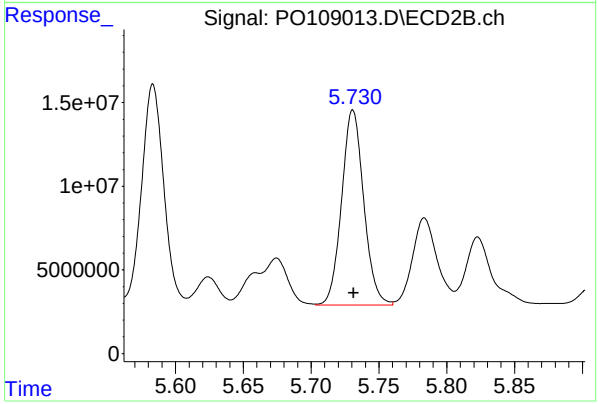
#26 AR-1254-1

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 150071890
Conc: 533.91 ng/ml



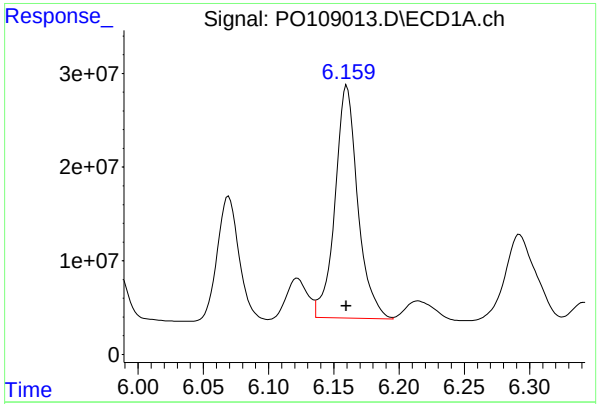
#27 AR-1254-2

R.T.: 5.754 min
Delta R.T.: 0.000 min
Response: 190913347
Conc: 527.64 ng/ml



#27 AR-1254-2

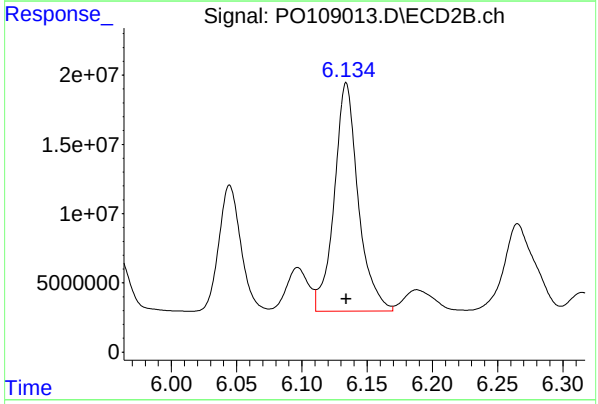
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 132415451
Conc: 529.11 ng/ml



#28 AR-1254-3

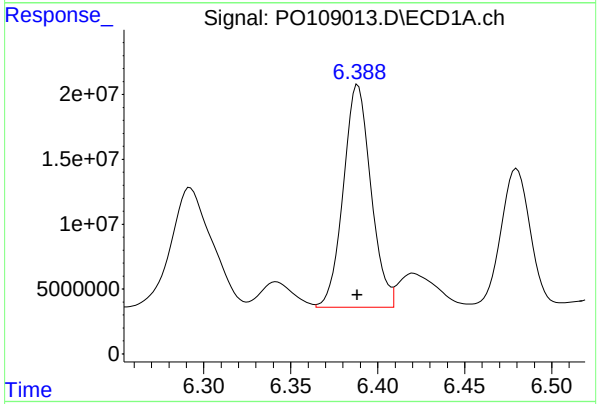
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 301357810
Conc: 534.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254



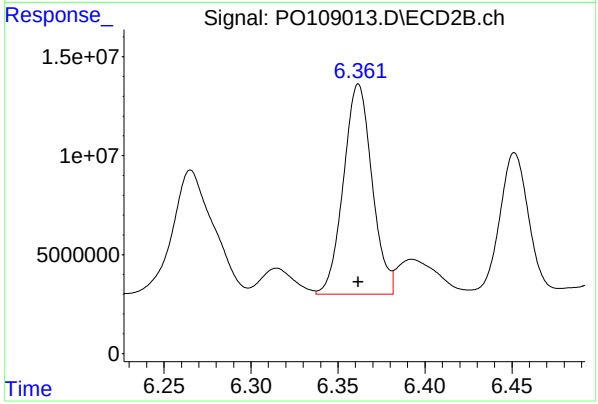
#28 AR-1254-3

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 210939446
Conc: 536.98 ng/ml



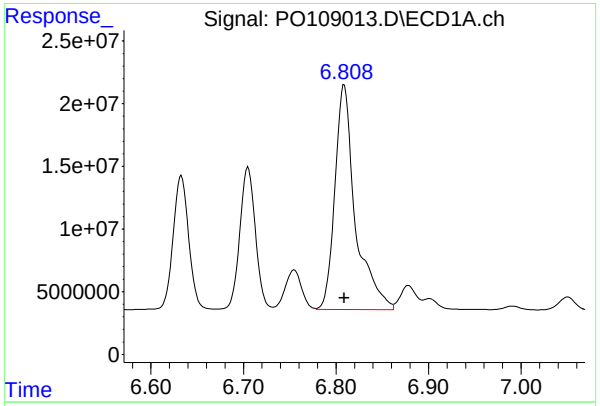
#29 AR-1254-4

R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 189918538
Conc: 551.09 ng/ml



#29 AR-1254-4

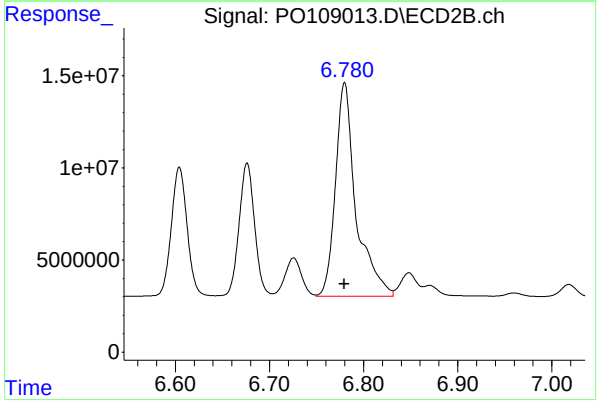
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 121525707
Conc: 551.51 ng/ml



#30 AR-1254-5

R.T.: 6.809 min
Delta R.T.: 0.000 min
Response: 275096886
Conc: 536.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254



#30 AR-1254-5

R.T.: 6.780 min
Delta R.T.: 0.000 min
Response: 175927006
Conc: 538.47 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 03:21
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 03:38:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	412.1E6	290.3E6	53.781	53.514
2)	SA Decachlor...	8.760	8.711	599.5E6	295.5E6	52.361	52.561
	Target Compounds						
41)	L9 AR-1268-1	7.636	7.602	556.1E6	329.5E6	522.316	523.466
42)	L9 AR-1268-2	7.701	7.666	511.4E6	301.9E6	527.665	528.626
43)	L9 AR-1268-3	7.910	7.875	425.4E6	242.8E6	528.139	527.088
44)	L9 AR-1268-4	8.197	8.158	180.5E6	96119117	526.938	532.480
45)	L9 AR-1268-5	8.496	8.452	1283.2E6	640.7E6	536.586	535.418

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

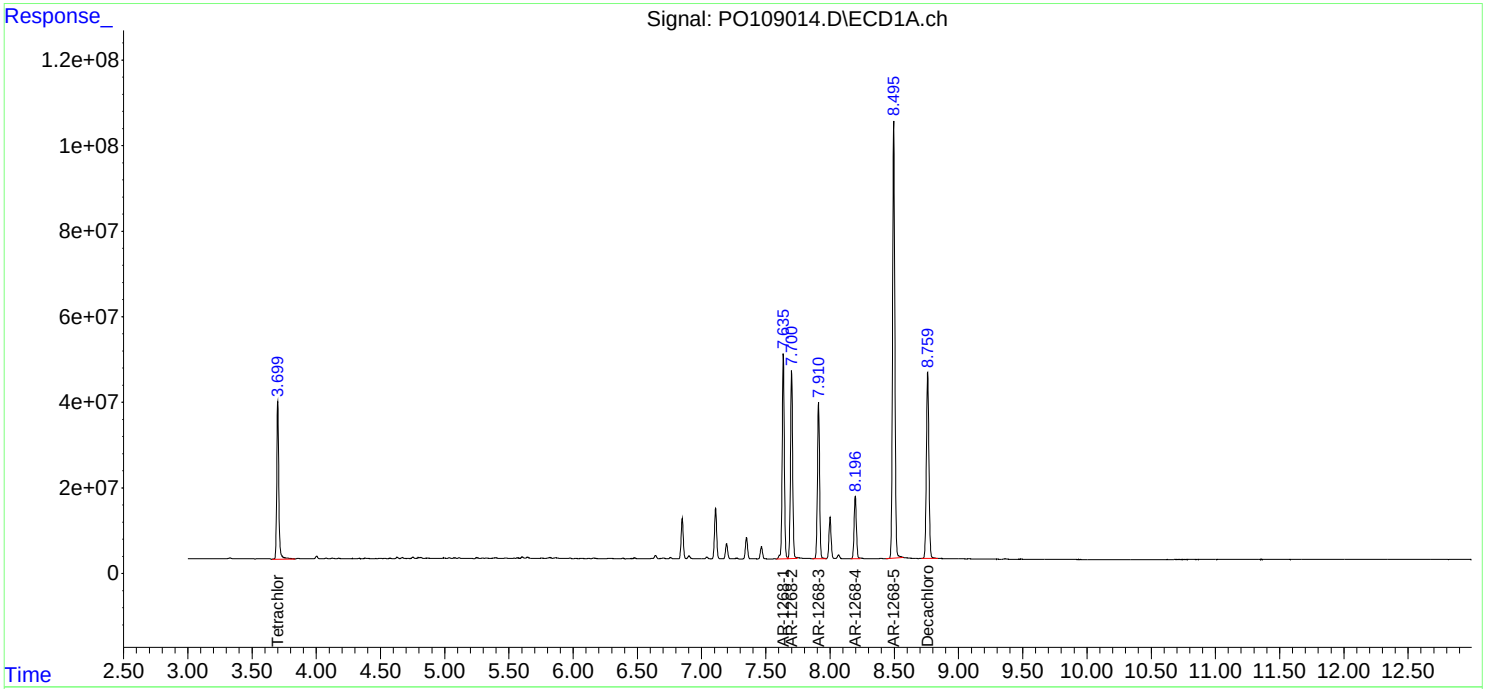
ICAL Form

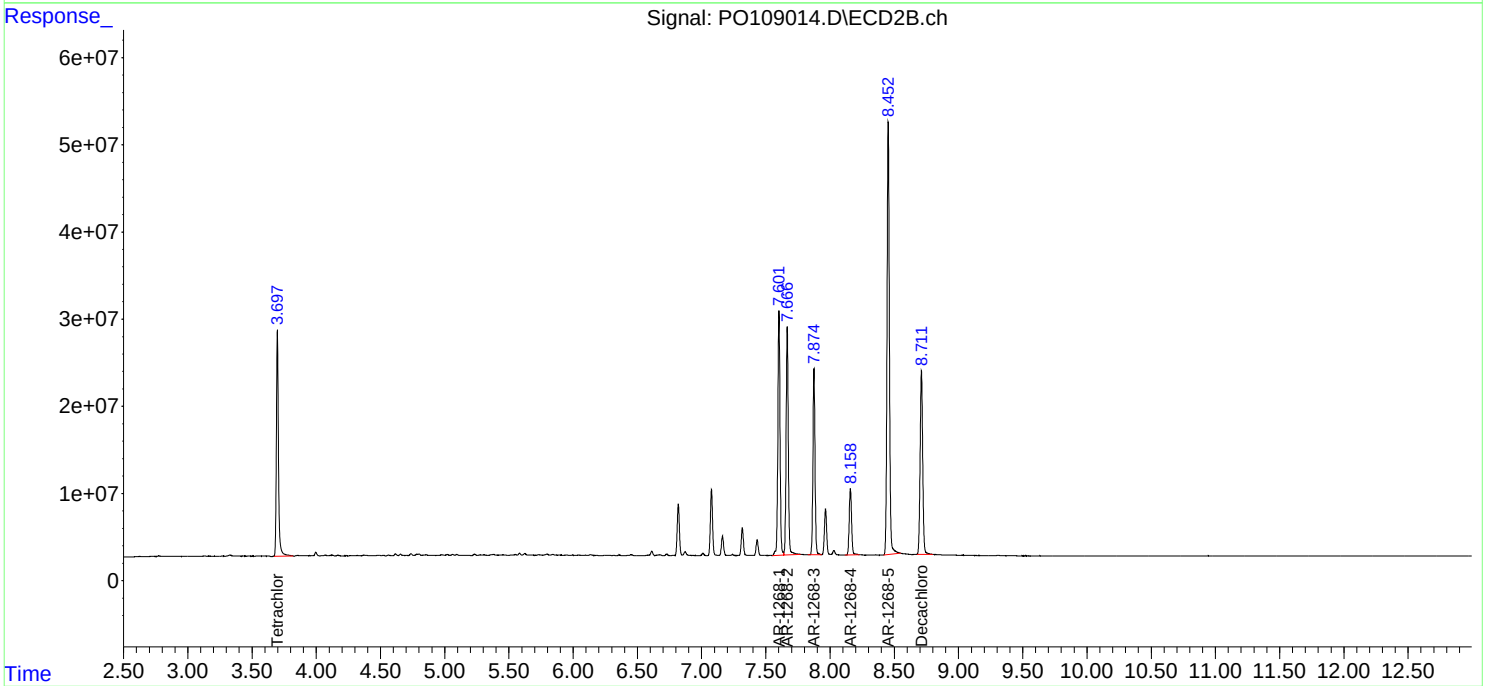
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 03:21
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

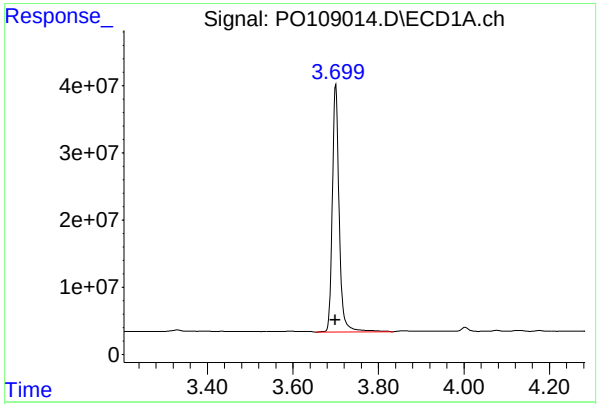
Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 03:38:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



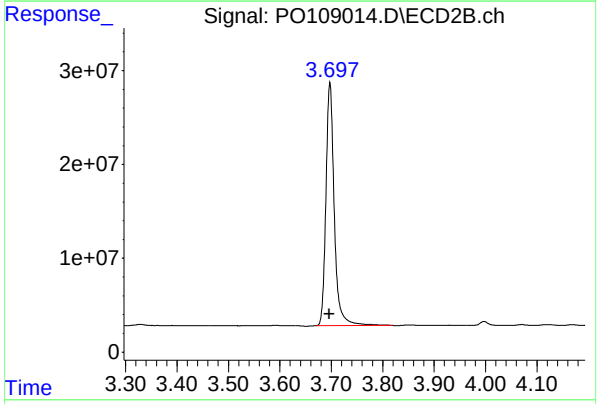




#1 Tetrachloro-m-xylene

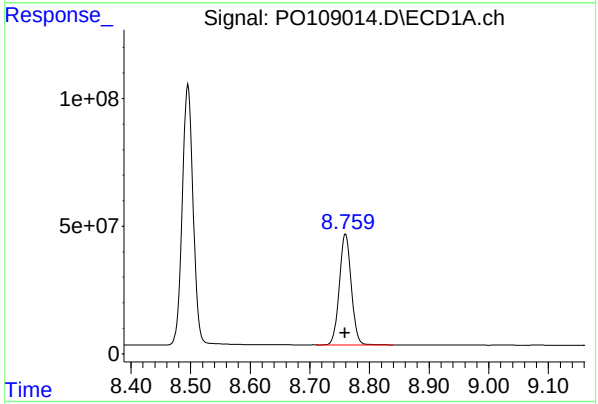
R.T.: 3.700 min
Delta R.T.: 0.001 min
Response: 412139252
Conc: 53.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268



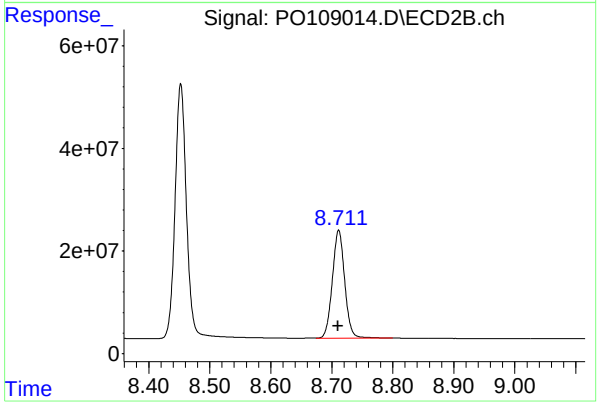
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.001 min
Response: 290335201
Conc: 53.51 ng/ml



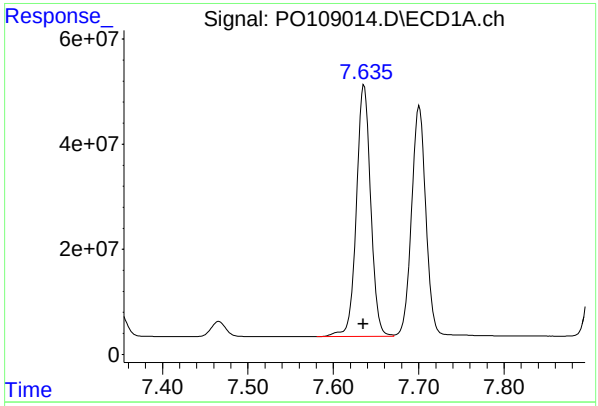
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 599549867
Conc: 52.36 ng/ml



#2 Decachlorobiphenyl

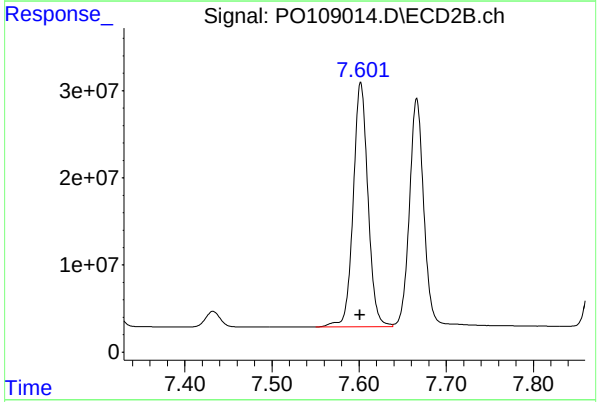
R.T.: 8.711 min
Delta R.T.: 0.001 min
Response: 295522095
Conc: 52.56 ng/ml



#41 AR-1268-1

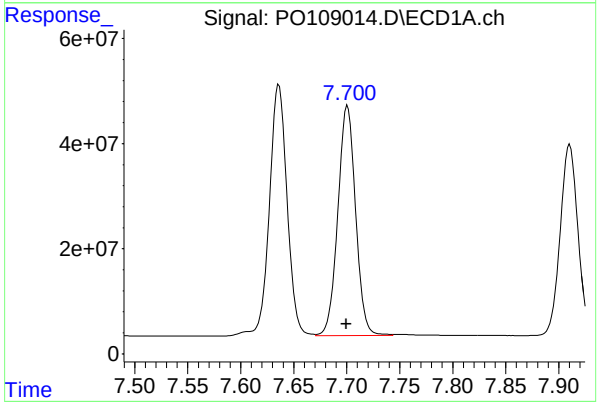
R.T.: 7.636 min
Delta R.T.: 0.000 min
Response: 556115970
Conc: 522.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268



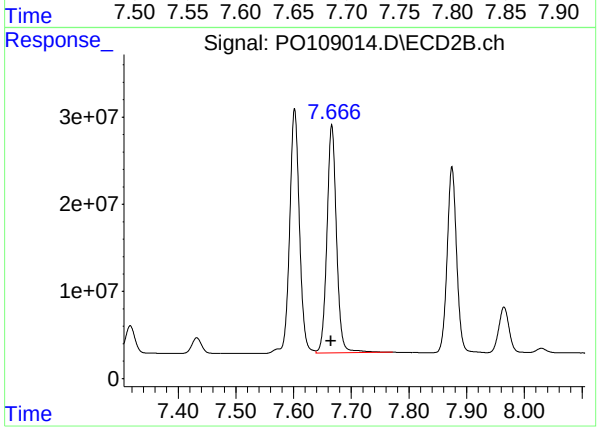
#41 AR-1268-1

R.T.: 7.602 min
Delta R.T.: 0.001 min
Response: 329523072
Conc: 523.47 ng/ml



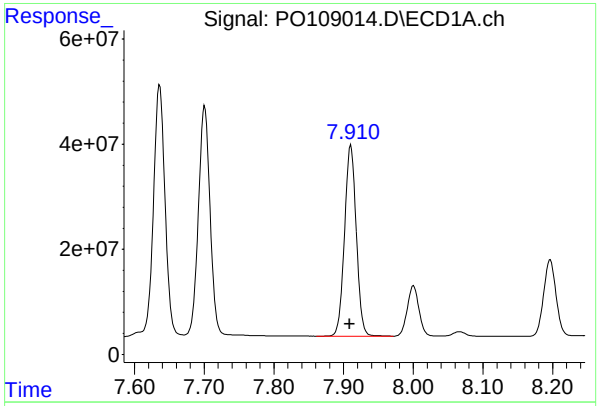
#42 AR-1268-2

R.T.: 7.701 min
Delta R.T.: 0.001 min
Response: 511365818
Conc: 527.66 ng/ml



#42 AR-1268-2

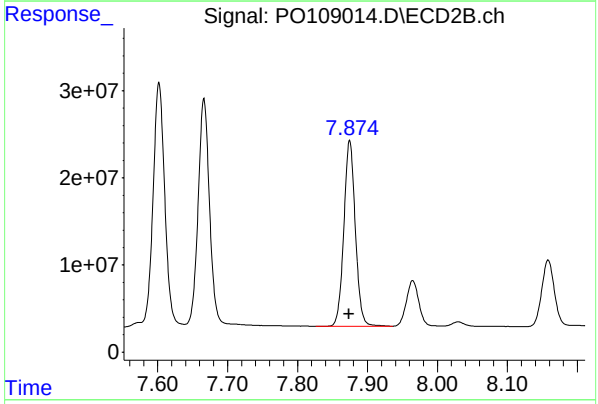
R.T.: 7.666 min
Delta R.T.: 0.000 min
Response: 301911808
Conc: 528.63 ng/ml



#43 AR-1268-3

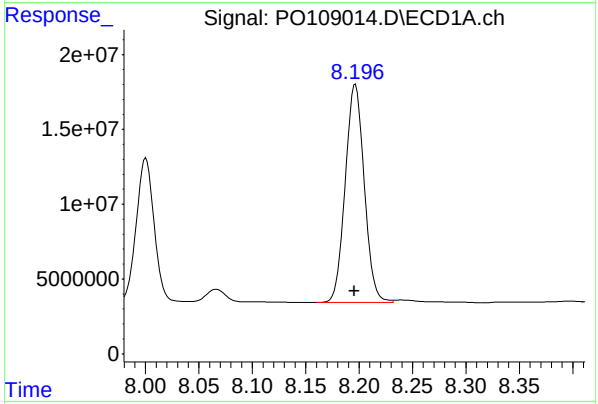
R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 425449759
Conc: 528.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268



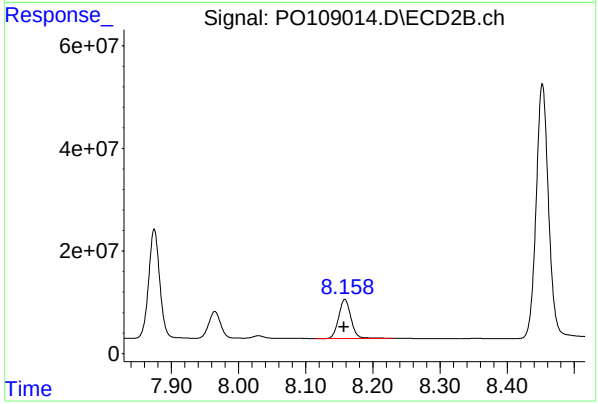
#43 AR-1268-3

R.T.: 7.875 min
Delta R.T.: 0.001 min
Response: 242762093
Conc: 527.09 ng/ml



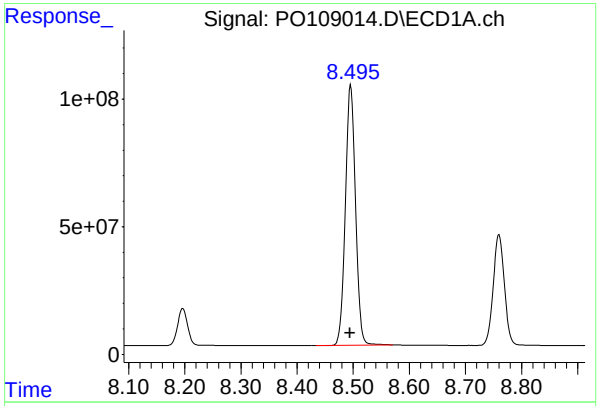
#44 AR-1268-4

R.T.: 8.197 min
Delta R.T.: 0.000 min
Response: 180512862
Conc: 526.94 ng/ml



#44 AR-1268-4

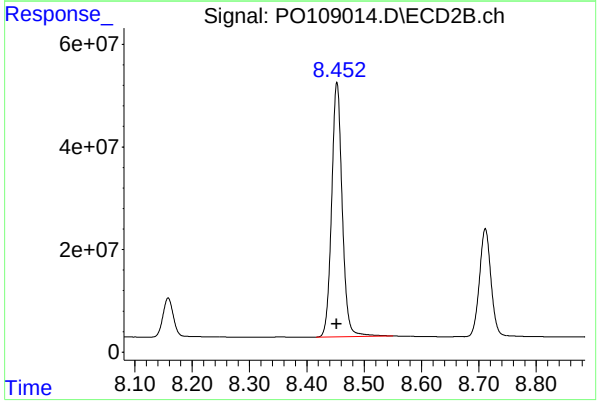
R.T.: 8.158 min
Delta R.T.: 0.001 min
Response: 96119117
Conc: 532.48 ng/ml



#45 AR-1268-5

R.T.: 8.496 min
Delta R.T.: 0.000 mi
Response: 1283184601
Conc: 536.59 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268



#45 AR-1268-5

R.T.: 8.452 min
Delta R.T.: 0.000 min
Response: 640710772
Conc: 535.42 ng/ml

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Calibration Date(s):** 02/03/2025 02/04/2025

Calibration Times: 18:17 02:30

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

LAB FILE ID: RT 1000 = PO109370.D RT 750 = PO109371.D

RT 500 = PO109372.D RT 250 = PO109373.D RT 050 = PO109374.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1016-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1260-3	(3)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-4	(4)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Aroclor-1260-5	(5)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1242-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1242-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1248-2	(2)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-3	(3)	5.25	5.25	5.24	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-4	(4)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1248-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Aroclor-1254-4	(4)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1254-5	(5)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.64	7.64	7.64	7.63	7.64	7.64	7.54	7.74
Aroclor-1268-2	(2)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-3	(3)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1268-4	(4)	8.20	8.20	8.20	8.20	8.20	8.20	8.10	8.30
Aroclor-1268-5	(5)	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Calibration Date(s):** 02/03/2025 02/04/2025

Calibration Times: 18:17 02:30

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

LAB FILE ID: RT 1000 = PO109370.D RT 750 = PO109371.D

RT 500 = PO109372.D RT 250 = PO109373.D RT 050 = PO109374.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-3	(3)	4.98	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1260-2	(2)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Aroclor-1260-3	(3)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1260-4	(4)	7.08	7.08	7.07	7.08	7.07	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.32	7.32	7.31	7.32	7.31	7.32	7.22	7.42
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.69	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.98	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-4	(4)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.69	3.69	3.69	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1248-4	(4)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.69	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.67	7.67	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.16	8.16	8.16	8.16	8.16	8.16	8.06	8.26
Aroclor-1268-5	(5)	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.69	3.70	3.60	3.80

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Calibration Date(s):** 02/03/2025 02/04/2025

Calibration Times: 18:17 02:30

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

LAB FILE ID: **CF 1000 =** PO109370.D **CF 750 =** PO109371.D

CF 500 = PO109372.D **CF 250 =** PO109373.D **CF 050 =** PO109374.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	235317786	240387277	252616446	270730944	277374780	255285447	7
Aroclor-1016-2	(2)	317456650	333812187	341175896	359252668	360710180	342481516	5
Aroclor-1016-3	(3)	222362207	229514455	240138458	257895316	262445680	242471223	7
Aroclor-1016-4	(4)	177068080	182121103	189950302	202822896	208610740	192114624	7
Aroclor-1016-5	(5)	188235094	193849961	202793534	220495896	221464260	205367749	7
Aroclor-1260-1	(1)	342293090	352624020	366276234	392547596	412690840	373286356	8
Aroclor-1260-2	(2)	423470897	430072589	448025360	476511620	512643040	458144701	8
Aroclor-1260-3	(3)	353148761	363197761	373408456	401006340	424222880	382996840	8
Aroclor-1260-4	(4)	326685301	334799956	345585554	367152080	376870660	350218710	6
Aroclor-1260-5	(5)	776260672	789582677	809655652	839954564	862435840	815577881	4
Decachlorobiphenyl		6054948770	6170848653	6385471300	6759256200	7035652800	6481235545	6
Tetrachloro-m-xylene		7537789720	7637854440	7762340380	7614954320	7341391600	7578866092	2
Aroclor-1242-1	(1)	197334599	204940145	212220936	230084932	227421240	214400370	7
Aroclor-1242-2	(2)	265786510	278371144	287816958	305404188	295561060	286587972	5
Aroclor-1242-3	(3)	185058250	194571396	202706248	219955100	215411620	203540523	7
Aroclor-1242-4	(4)	146700154	154078684	158957240	170855512	171944280	160507174	7
Aroclor-1242-5	(5)	153223867	159773192	165198400	181134604	184818260	168829665	8
Decachlorobiphenyl		5647313730	5850539653	6047566620	6386728720	6474172400	6081264225	6
Tetrachloro-m-xylene		7256950730	7471164160	7603441480	7790630080	7409049200	7506247130	3
Aroclor-1248-1	(1)	146962778	151915439	162826108	170942184	170822880	160693878	7
Aroclor-1248-2	(2)	199227110	207000031	222476092	237749956	255259300	224342498	10
Aroclor-1248-3	(3)	247483851	255500071	274857826	289200096	301995900	273807549	8
Aroclor-1248-4	(4)	352065611	361039059	382944132	400046444	414632680	382145585	7
Aroclor-1248-5	(5)	247656524	252385875	269070708	280954660	286070540	267227661	6
Decachlorobiphenyl		5609834240	5759565067	6027167560	6251093240	6308340800	5991200181	5
Tetrachloro-m-xylene		7204476060	7307013053	7583233240	7674308840	7202293800	7394264999	3
Aroclor-1254-1	(1)	389077966	394823324	411471450	435522448	465269420	419232922	8
Aroclor-1254-2	(2)	339809413	345654540	362716334	386275232	432365500	373364204	10
Aroclor-1254-3	(3)	560442568	567643307	589401626	614138652	657432700	597811771	7
Aroclor-1254-4	(4)	341037643	333768951	338607716	349872980	327782320	338213922	2
Aroclor-1254-5	(5)	489637976	493484969	513693524	532708460	530251720	511955330	4
Decachlorobiphenyl		5858870260	5885298800	6106847120	6350391840	6409478800	6122177364	4
Tetrachloro-m-xylene		7558480160	7569338440	7756963700	7879721960	7331379200	7619176692	3
Aroclor-1268-1	(1)	1060325183	1043050687	1065797526	1096750544	1040315180	1061247824	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	978377814	960952537	981985162	1008226020	943849700	974678247	2
Aroclor-1268-3	(3)	802971546	788973609	806486708	831416156	789167280	803803060	2
Aroclor-1268-4	(4)	317503517	316627091	334247174	358558444	384945380	342376321	9
Aroclor-1268-5	(5)	2278699068	2228567457	2261614568	2279048372	2049911940	2219568281	4
Decachlorobiphenyl		10306107350	10157126853	10447096540	10874980000	10427163200	10442494789	3
Tetrachloro-m-xylene		7845541500	7700418680	7908692460	8012095560	7236914800	7740732600	4

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Calibration Date(s):** 02/03/2025 02/04/2025

Calibration Times: 18:17 02:30

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

LAB FILE ID: **CF 1000 =** PO109370.D **CF 750 =** PO109371.D

CF 500 = PO109372.D **CF 250 =** PO109373.D **CF 050 =** PO109374.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	153264943	158113879	164537820	175109820	188488020	167902896	8
Aroclor-1016-2	(2)	215030936	222535907	230791366	244561788	247372860	232058571	6
Aroclor-1016-3	(3)	117766190	120601281	126178226	135206824	140293280	128009160	7
Aroclor-1016-4	(4)	96826511	100706524	107134058	116795180	127492600	109790975	11
Aroclor-1016-5	(5)	128361625	131809323	138948806	150436768	151836120	140278528	8
Aroclor-1260-1	(1)	225807591	232124708	242393268	261236200	274037320	247119817	8
Aroclor-1260-2	(2)	269418607	275070071	287381706	308186452	320338600	292079087	7
Aroclor-1260-3	(3)	255727834	263061365	276236828	304521580	322477280	284404977	10
Aroclor-1260-4	(4)	202687973	207427676	215633844	229721196	245640420	220222222	8
Aroclor-1260-5	(5)	468691821	473960392	485910284	503467072	521629300	490731774	4
Decachlorobiphenyl		2869026620	2934686067	3081400200	3274572920	3421855800	3116308321	7
Tetrachloro-m-xylene		5213092940	5275876587	5368678560	5502731680	5343841400	5340844233	2
Aroclor-1242-1	(1)	128201947	133999579	140199986	151291416	151737820	141086150	7
Aroclor-1242-2	(2)	180116057	187990837	193950162	207443820	202594860	194419147	6
Aroclor-1242-3	(3)	98415916	102862087	106686518	114914080	114890880	107553896	7
Aroclor-1242-4	(4)	99499055	104564516	110212460	122453692	126942680	112734481	10
Aroclor-1242-5	(5)	120970385	126562719	132762996	145269744	140486480	133210465	7
Decachlorobiphenyl		2681588160	2805605107	2963333620	3194117160	3259185200	2980765849	8
Tetrachloro-m-xylene		5025574020	5171478640	5249343640	5411420520	4979995200	5167562404	3
Aroclor-1248-1	(1)	96991072	99650249	107360952	113149160	116291680	106688623	8
Aroclor-1248-2	(2)	134470113	139550641	150876132	162116232	173367240	152076072	11
Aroclor-1248-3	(3)	143621711	148800272	161120540	172009316	185838580	162278084	11
Aroclor-1248-4	(4)	169090611	174042627	187731984	198272620	205371660	186901900	8
Aroclor-1248-5	(5)	166537611	170537543	181997908	191074516	188929520	179815420	6
Decachlorobiphenyl		2758948620	2860350253	3062672360	3204082240	3305205400	3038251775	8
Tetrachloro-m-xylene		4985063440	5058850453	5283231640	5299839520	4943532600	5114103531	3
Aroclor-1254-1	(1)	258812283	261928736	275087630	291465840	309297220	279318342	8
Aroclor-1254-2	(2)	226599173	230656979	242348974	260549028	289659560	249962743	10
Aroclor-1254-3	(3)	367155524	370663624	385253628	402077168	407098000	386449589	5
Aroclor-1254-4	(4)	211061915	207363419	212342790	220544016	190805140	208423456	5
Aroclor-1254-5	(5)	304600854	307888127	321851642	335906840	345186360	323086765	5
Decachlorobiphenyl		2911755880	3004200760	3167779400	3323943760	3409494800	3163434920	7
Tetrachloro-m-xylene		5244001860	5240433640	5374931480	5434663200	4985288000	5255863636	3
Aroclor-1268-1	(1)	590846797	581634948	597230514	624849832	608144640	600541346	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	542437119	532276172	548178670	571646760	539255300	546758804	3
Aroclor-1268-3	(3)	433110112	424724803	437297710	459430228	441635260	439239623	3
Aroclor-1268-4	(4)	170526494	166707964	173722334	184577088	170298900	173166556	4
Aroclor-1268-5	(5)	1166175763	1139506068	1161503202	1197064764	1120826220	1157015203	2
Decachlorobiphenyl		5215914320	5162812320	5395934040	5697518440	5550218000	5404479424	4
Tetrachloro-m-xylene		5450783370	5333541467	5490349720	5602153360	4795336800	5334432943	6

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Date(s) Analyzed:** 02/03/2025 02/04/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	97534400
		2	4.00	3.90	4.10	73947200
		3	4.08	3.98	4.18	207362000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	165633000
		2	4.57	4.47	4.67	90172400
		3	4.81	4.71	4.91	159712000
		4	4.99	4.89	5.09	88931200
		5	5.03	4.93	5.13	64613800
Aroclor-1262	500	1	6.85	6.75	6.95	530972000
		2	7.35	7.25	7.45	920474000
		3	7.64	7.54	7.74	360214000
		4	7.70	7.60	7.80	671730000
		5	8.20	8.10	8.30	285950000

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Instrument ID: ECD_O **Date(s) Analyzed:** 02/03/2025 02/04/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	65094400
		2	3.99	3.89	4.09	49658400
		3	4.07	3.97	4.17	146489000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	114709000
		2	4.80	4.70	4.90	107451000
		3	4.97	4.87	5.07	59119000
		4	5.06	4.96	5.16	56134200
		5	5.23	5.13	5.33	60079000
Aroclor-1262	500	1	6.82	6.72	6.92	330774000
		2	7.32	7.22	7.42	540530000
		3	7.60	7.50	7.70	218438000
		4	7.66	7.56	7.76	379560000
		5	8.16	8.06	8.26	155383000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:17
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: Feb 03 22:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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...	3.698	3.695	753.8E6	521.3E6	97.107	97.102
2)	SA Decachlor...	8.757	8.709	605.5E6	286.9E6	94.824	93.108
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.780	235.3E6	153.3E6	931.522	931.488
4)	L1 AR-1016-2	4.813	4.799	317.5E6	215.0E6	930.478	931.711
5)	L1 AR-1016-3	4.869	4.975	222.4E6	117.8E6	925.975	933.332
6)	L1 AR-1016-4	4.990	5.016	177.1E6	96826511	932.181	903.788
7)	L1 AR-1016-5	5.248	5.230	188.2E6	128.4E6	928.211	923.805
31)	L7 AR-1260-1	6.289	6.263	342.3E6	225.8E6	934.522	931.575
32)	L7 AR-1260-2	6.478	6.450	423.5E6	269.4E6	945.194	937.494
33)	L7 AR-1260-3	6.846	6.603	353.1E6	255.7E6	945.744	925.756
34)	L7 AR-1260-4	7.107	7.075	326.7E6	202.7E6	945.309	939.964
35)	L7 AR-1260-5	7.348	7.315	776.3E6	468.7E6	958.754	964.565

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

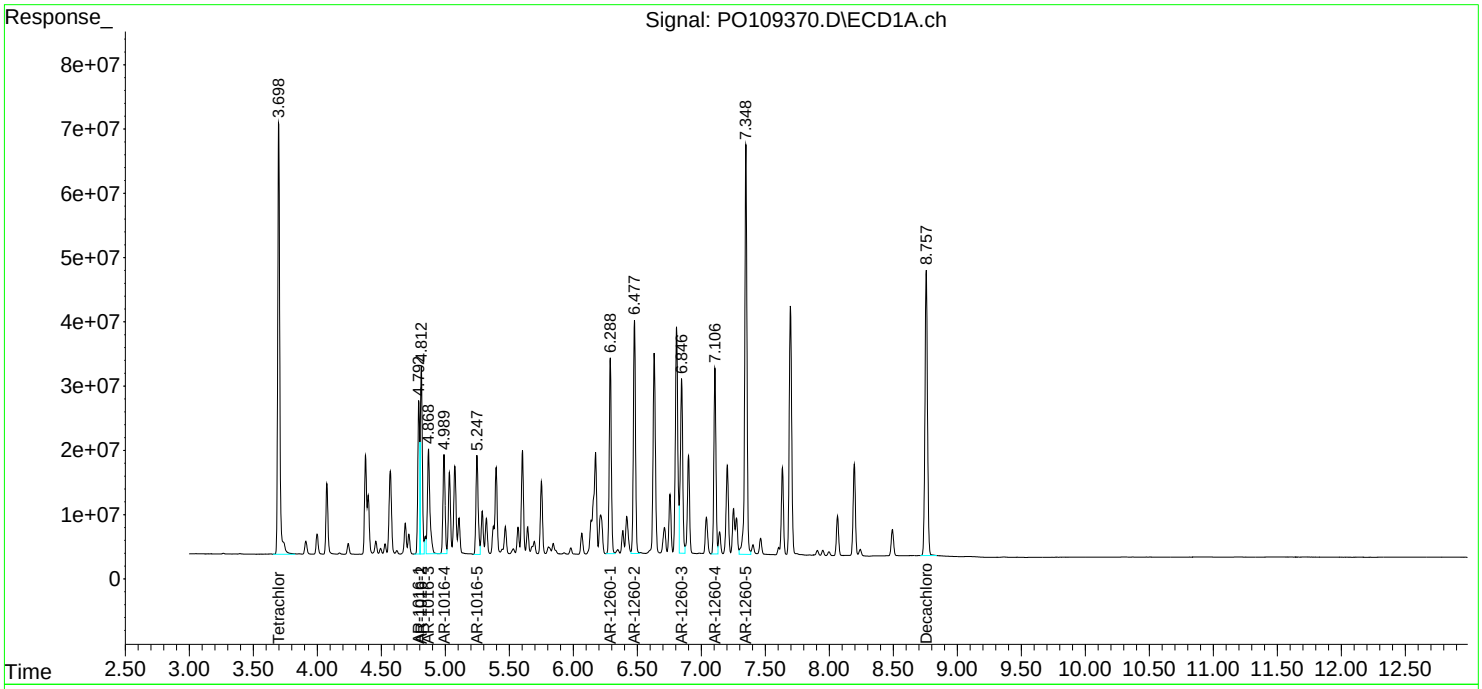
ICAL Form

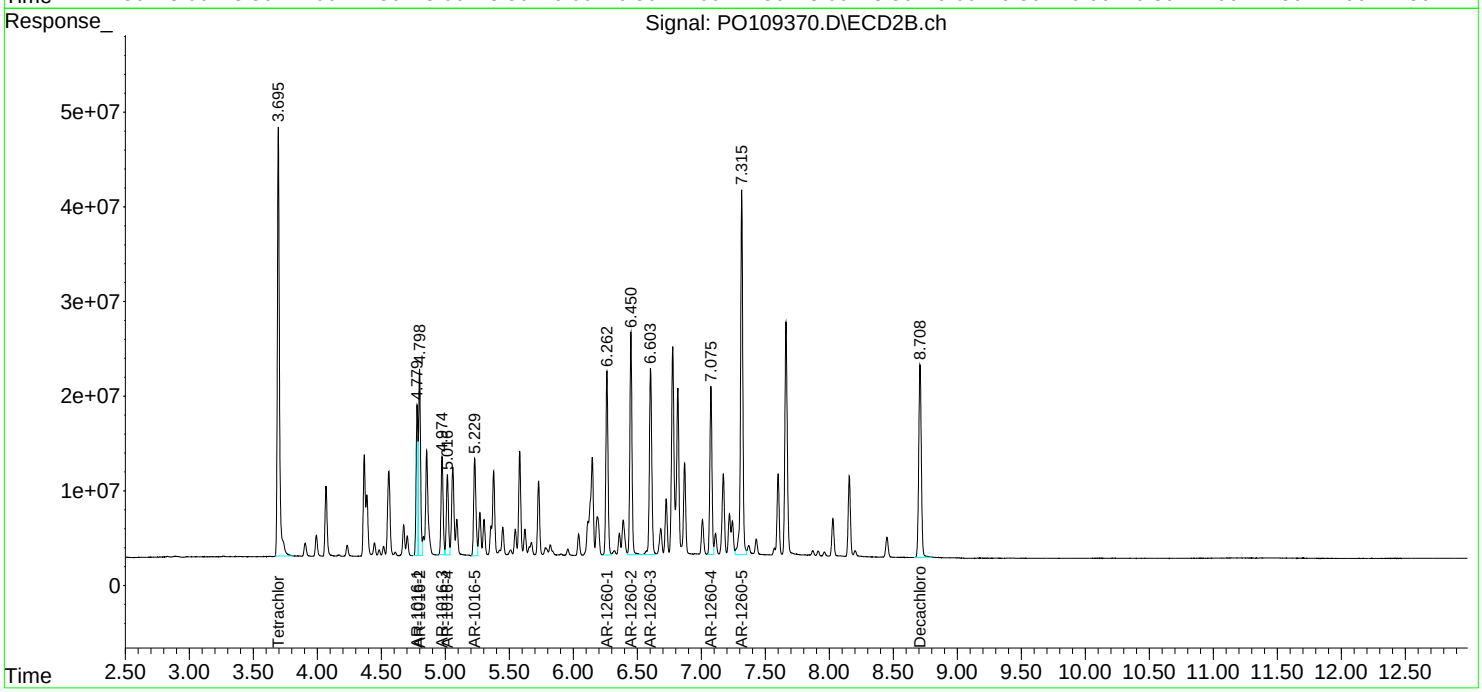
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:17
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

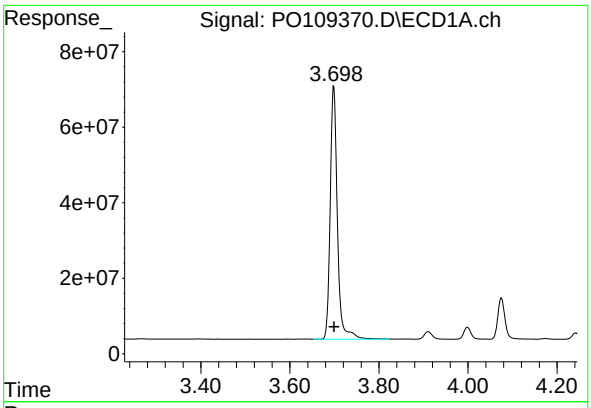
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 22:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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



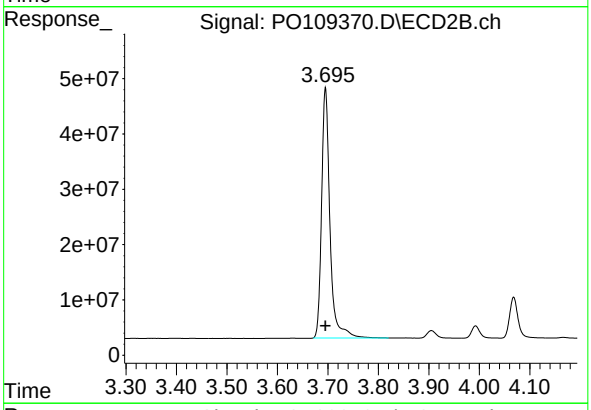




#1 Tetrachloro-m-xylene

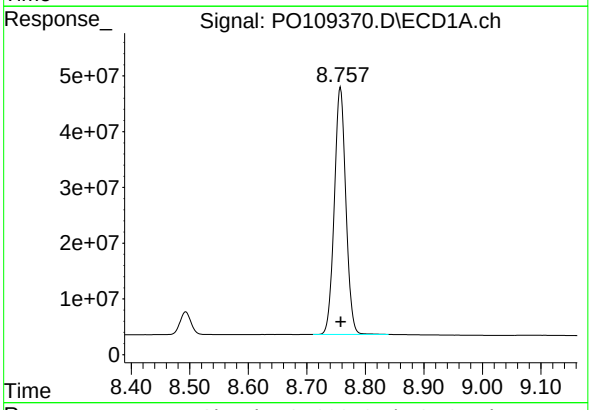
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 753778972
Conc: 97.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



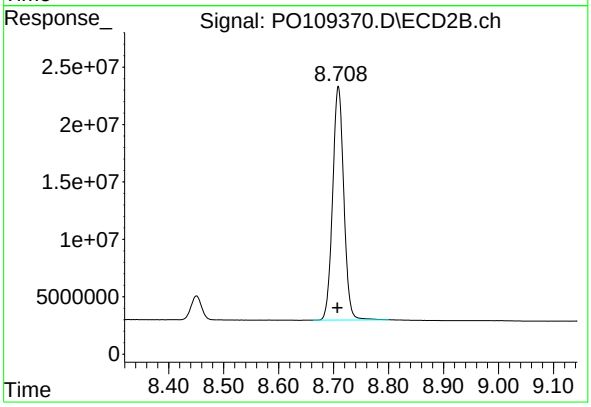
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 521309294
Conc: 97.10 ng/ml



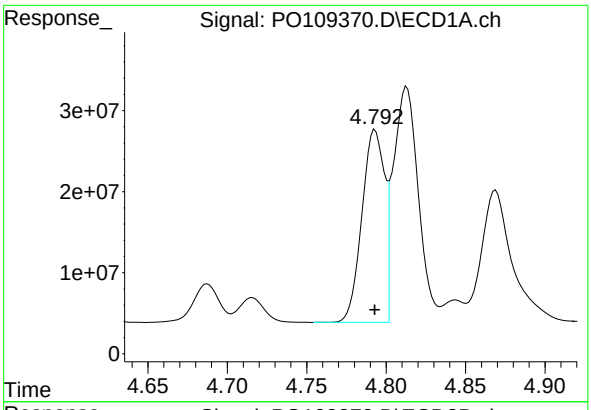
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 605494877
Conc: 94.82 ng/ml



#2 Decachlorobiphenyl

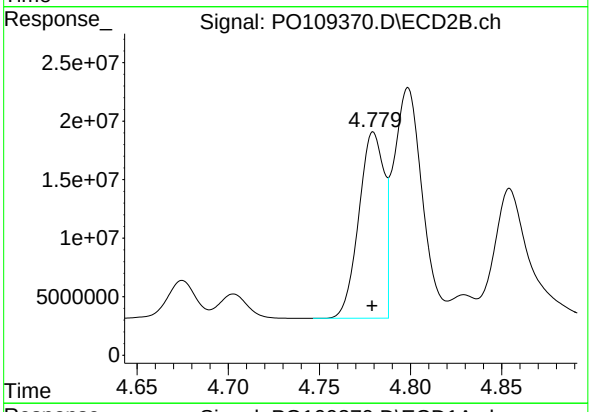
R.T.: 8.709 min
Delta R.T.: 0.002 min
Response: 286902662
Conc: 93.11 ng/ml



#3 AR-1016-1

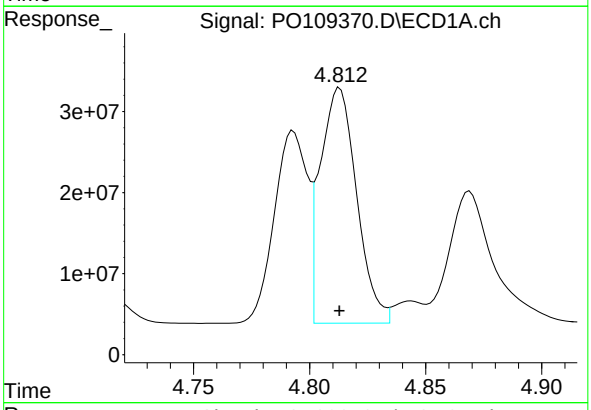
R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 235317786
Conc: 931.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



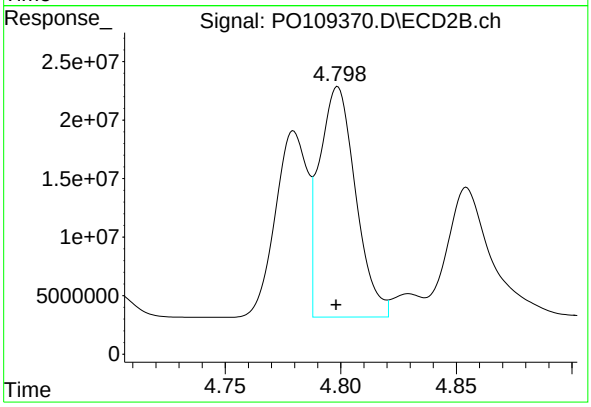
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 153264943
Conc: 931.49 ng/ml



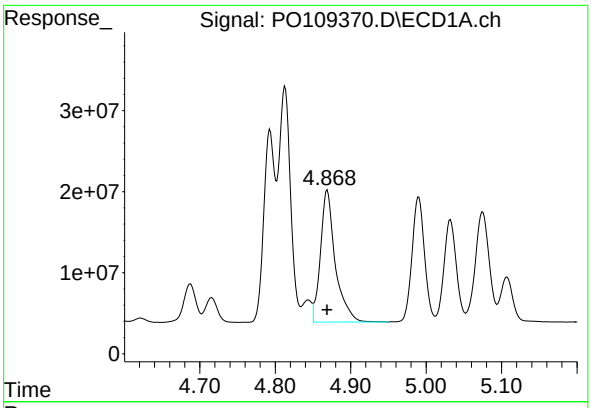
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 317456650
Conc: 930.48 ng/ml



#4 AR-1016-2

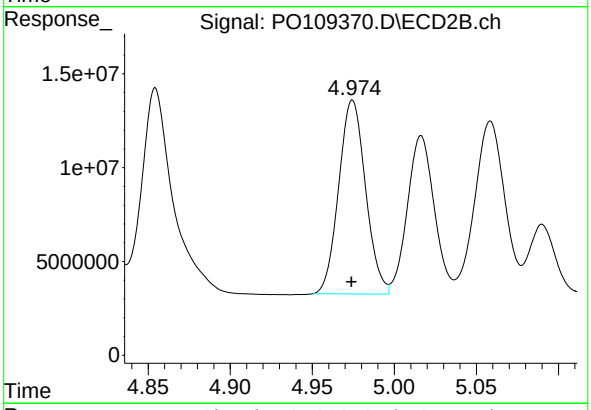
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 215030936
Conc: 931.71 ng/ml



#5 AR-1016-3

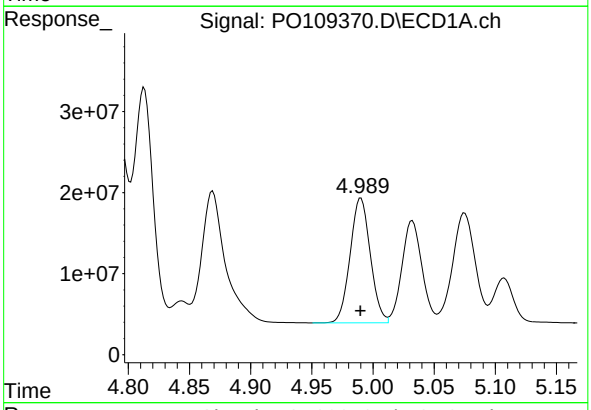
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 222362207
Conc: 925.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



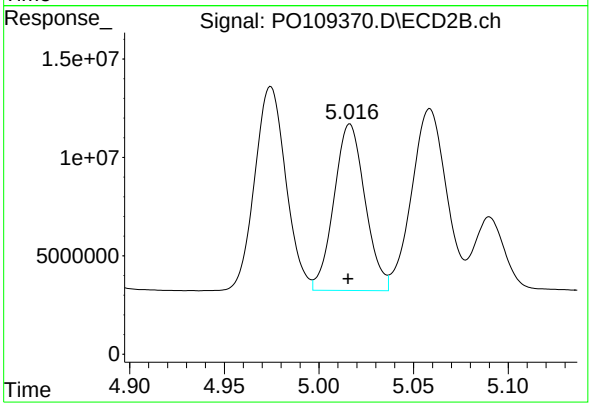
#5 AR-1016-3

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 117766190
Conc: 933.33 ng/ml



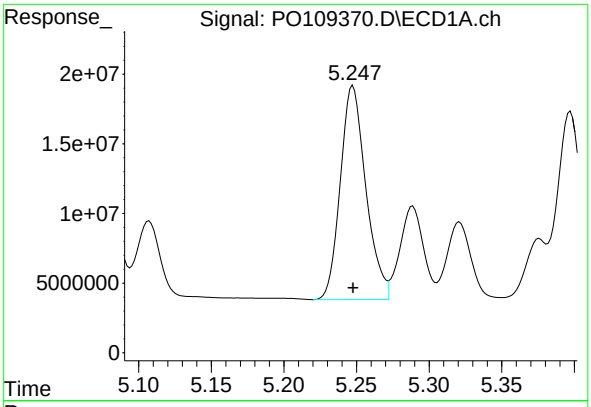
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: 0.000 min
Response: 177068080
Conc: 932.18 ng/ml



#6 AR-1016-4

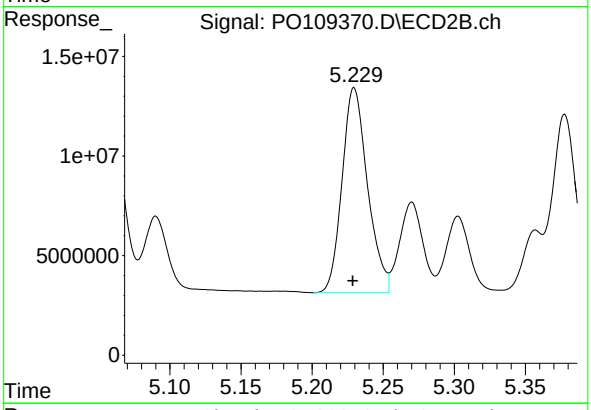
R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 96826511
Conc: 903.79 ng/ml



#7 AR-1016-5

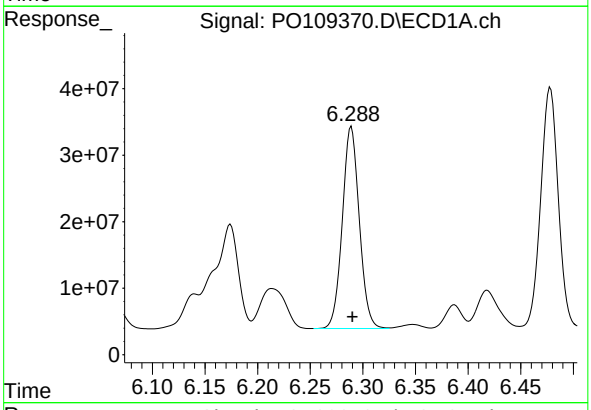
R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 188235094
Conc: 928.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



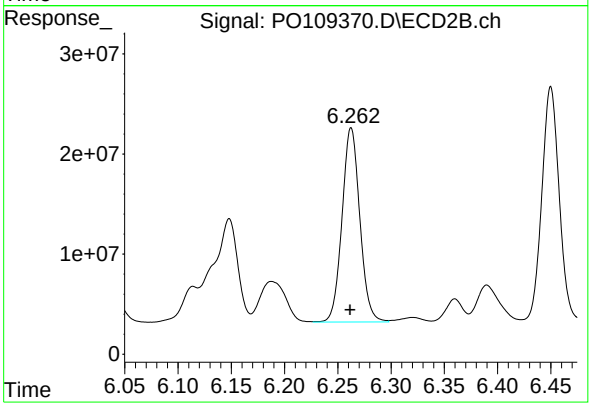
#7 AR-1016-5

R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 128361625
Conc: 923.81 ng/ml



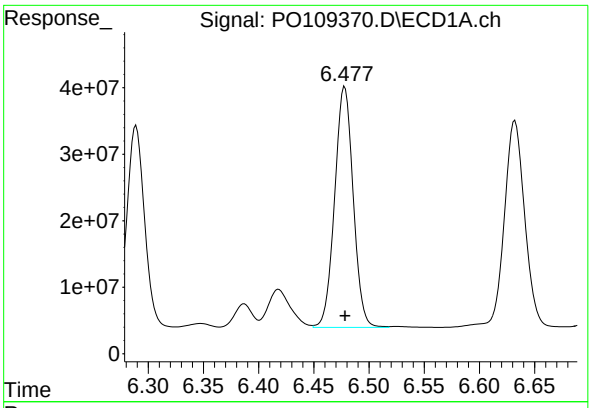
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: -0.001 min
Response: 342293090
Conc: 934.52 ng/ml



#31 AR-1260-1

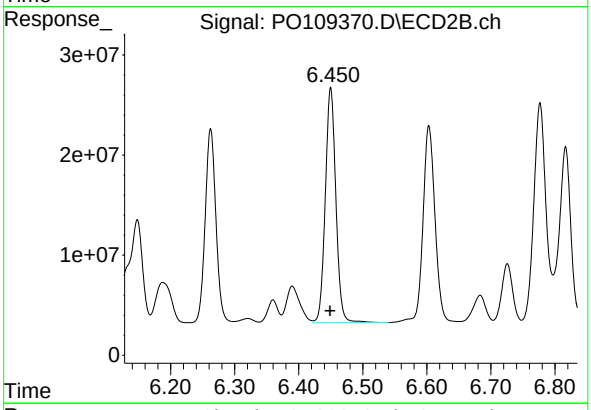
R.T.: 6.263 min
Delta R.T.: 0.000 min
Response: 225807591
Conc: 931.58 ng/ml



#32 AR-1260-2

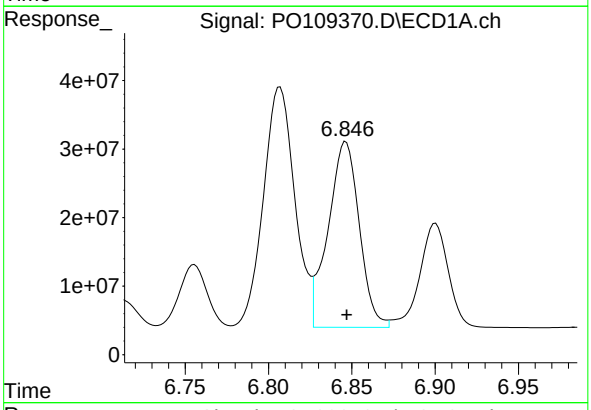
R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 423470897
Conc: 945.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



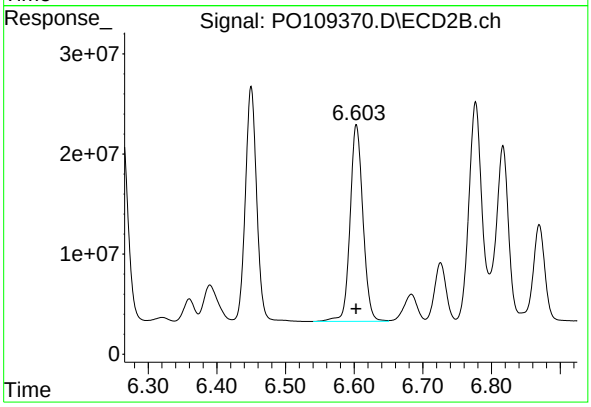
#32 AR-1260-2

R.T.: 6.450 min
Delta R.T.: 0.000 min
Response: 269418607
Conc: 937.49 ng/ml



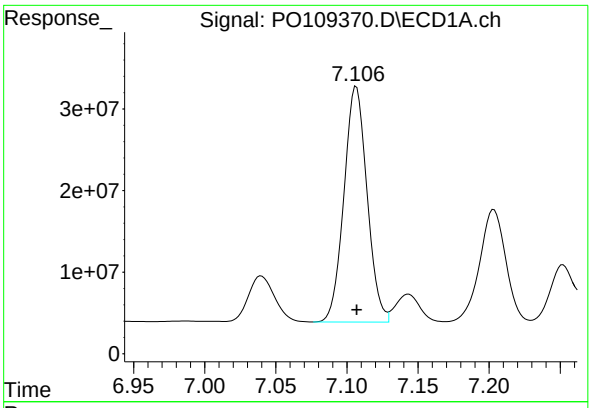
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 353148761
Conc: 945.74 ng/ml



#33 AR-1260-3

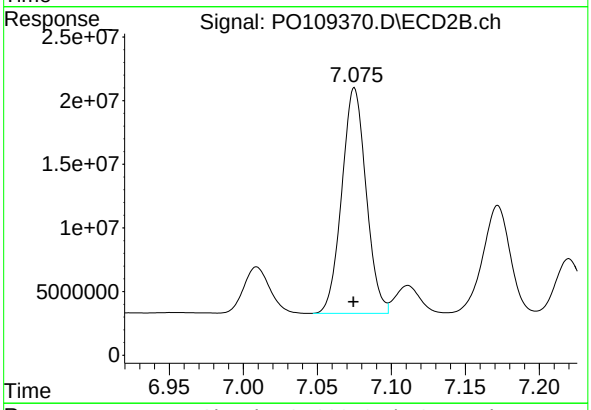
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 255727834
Conc: 925.76 ng/ml



#34 AR-1260-4

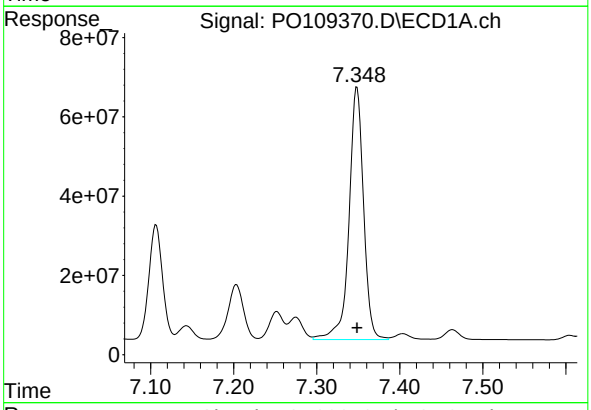
R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 326685301
Conc: 945.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



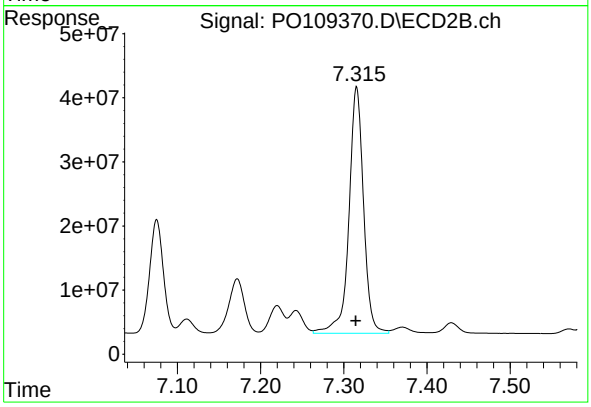
#34 AR-1260-4

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 202687973
Conc: 939.96 ng/ml



#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: 0.000 min
Response: 776260672
Conc: 958.75 ng/ml



#35 AR-1260-5

R.T.: 7.315 min
Delta R.T.: 0.001 min
Response: 468691821
Conc: 964.56 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:35
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: Feb 03 22:19:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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...	3.699	3.695	572.8E6	395.7E6	73.797	73.704
2)	SA Decachlor...	8.759	8.709	462.8E6	220.1E6	72.479	71.429
	Target Compounds						
3)	L1 AR-1016-1	4.794	4.779	180.3E6	118.6E6	713.692	720.718
4)	L1 AR-1016-2	4.813	4.798	250.4E6	166.9E6	733.813	723.172
5)	L1 AR-1016-3	4.870	4.974	172.1E6	90450961	716.819	716.851
6)	L1 AR-1016-4	4.990	5.016	136.6E6	75529893	719.087	705.004
7)	L1 AR-1016-5	5.248	5.229	145.4E6	98856992	716.924	711.463
31)	L7 AR-1260-1	6.290	6.263	264.5E6	174.1E6	722.045	718.228
32)	L7 AR-1260-2	6.479	6.450	322.6E6	206.3E6	719.947	717.869
33)	L7 AR-1260-3	6.848	6.603	272.4E6	197.3E6	729.492	714.228
34)	L7 AR-1260-4	7.108	7.076	251.1E6	155.6E6	726.593	721.458
35)	L7 AR-1260-5	7.350	7.316	592.2E6	355.5E6	731.406	731.555

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

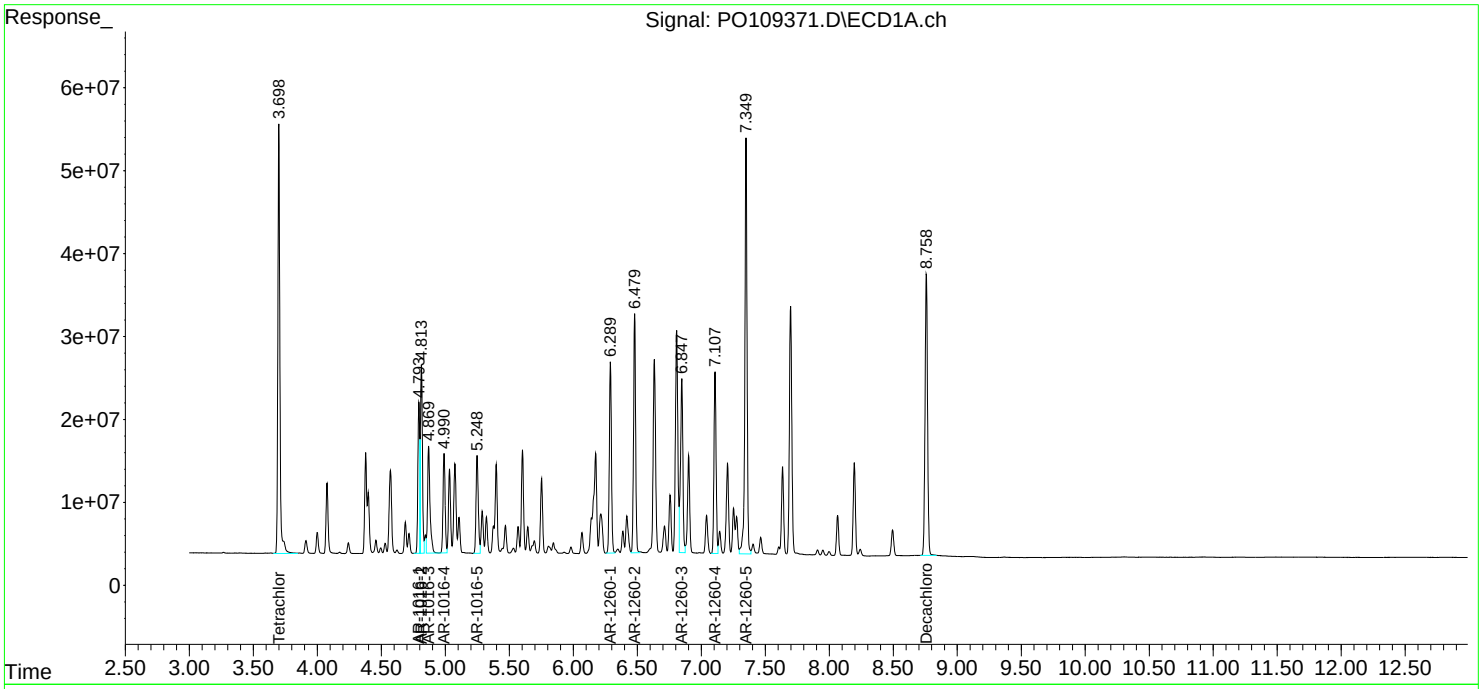
ICAL Form

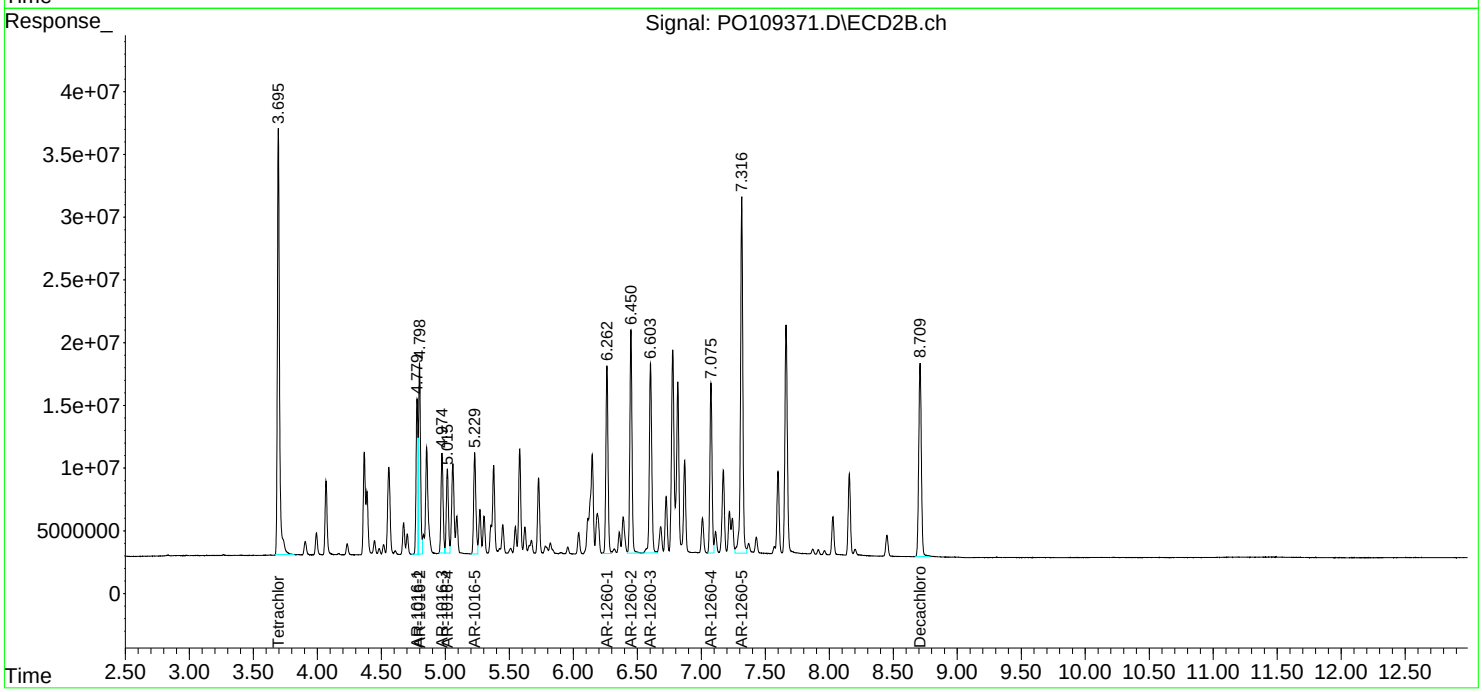
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:35
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

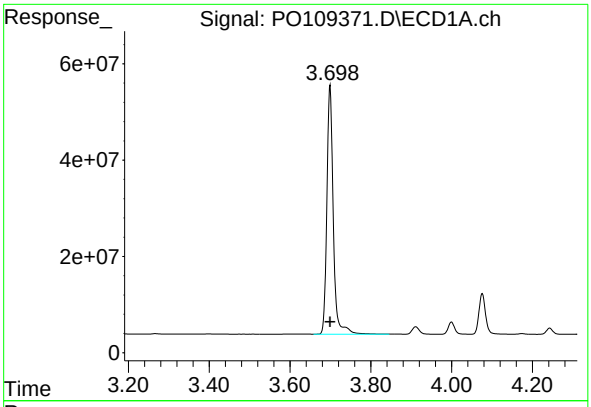
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 22:19:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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



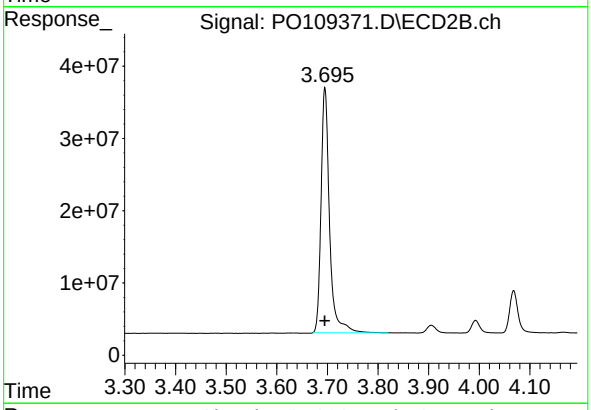




#1 Tetrachloro-m-xylene

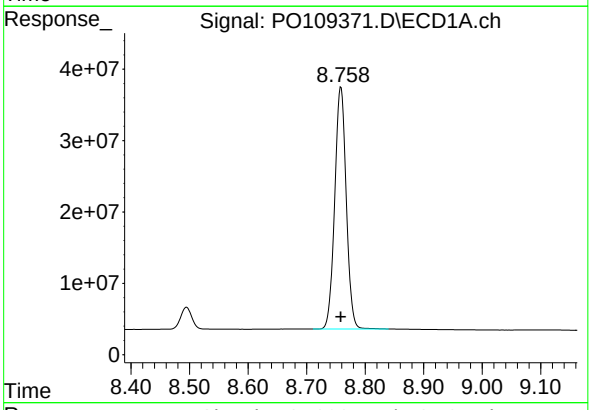
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 572839083
Conc: 73.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



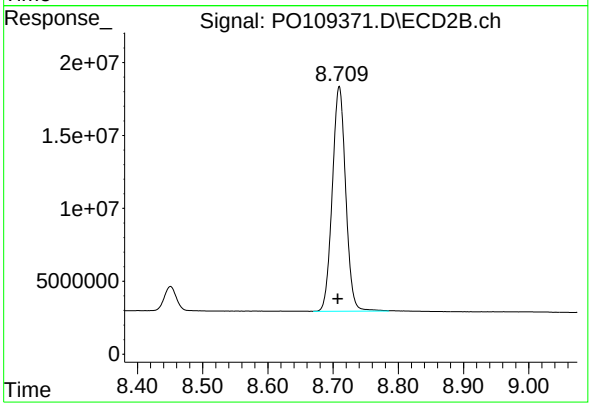
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 395690744
Conc: 73.70 ng/ml



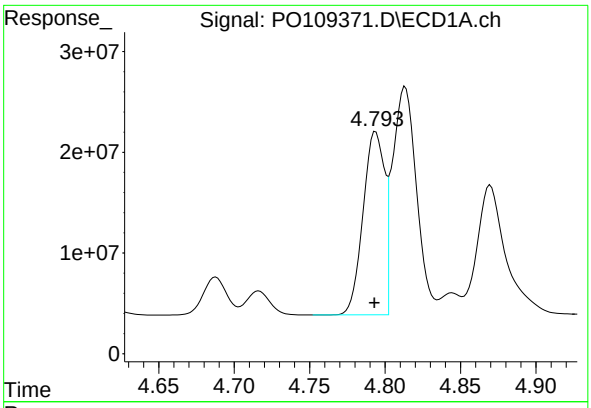
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 462813649
Conc: 72.48 ng/ml



#2 Decachlorobiphenyl

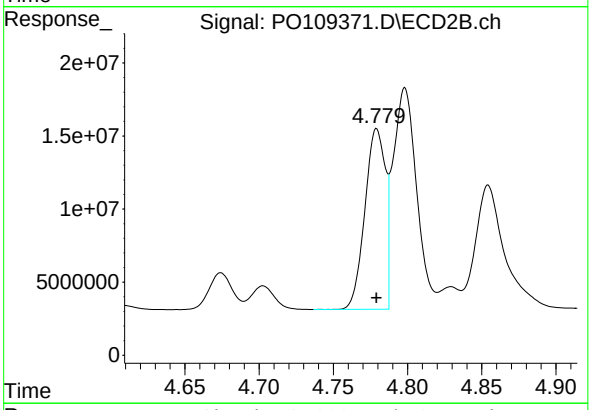
R.T.: 8.709 min
Delta R.T.: 0.002 min
Response: 220101455
Conc: 71.43 ng/ml



#3 AR-1016-1

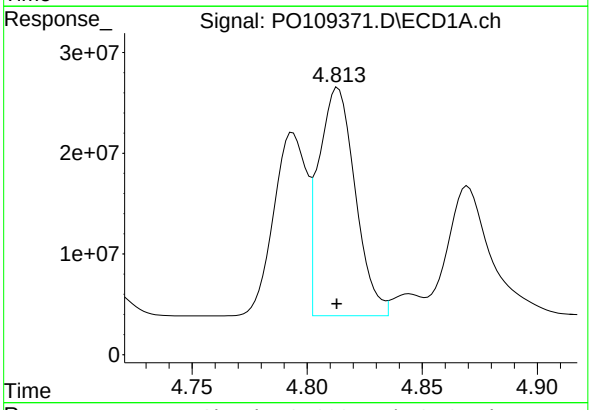
R.T.: 4.794 min
Delta R.T.: 0.001 min
Response: 180290458
Conc: 713.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



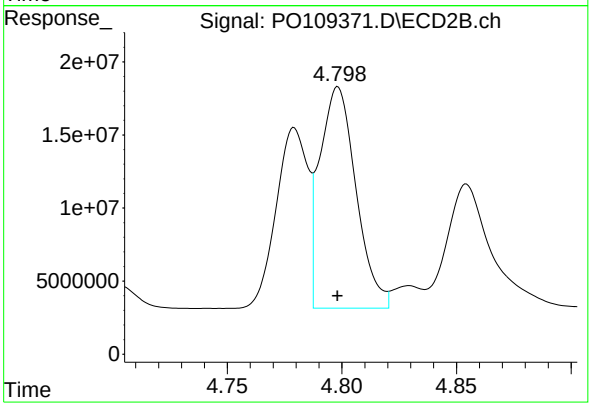
#3 AR-1016-1

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 118585409
Conc: 720.72 ng/ml



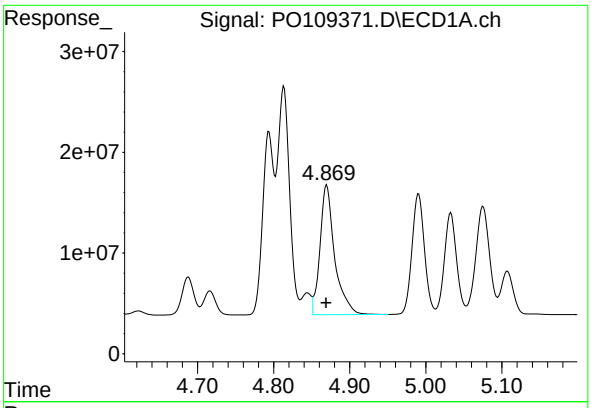
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 250359140
Conc: 733.81 ng/ml



#4 AR-1016-2

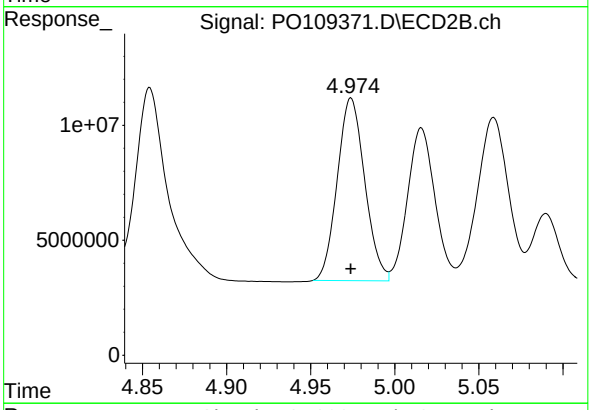
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 166901930
Conc: 723.17 ng/ml



#5 AR-1016-3

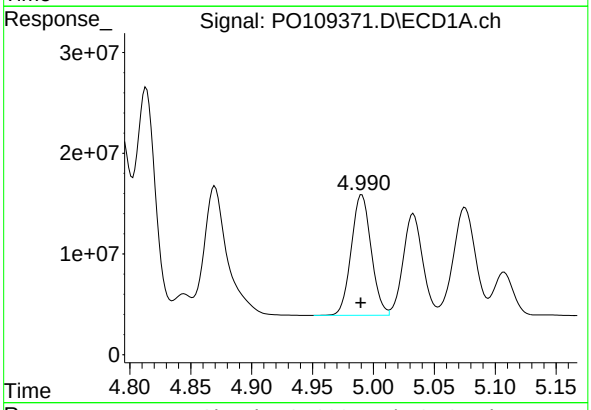
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 172135841
Conc: 716.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



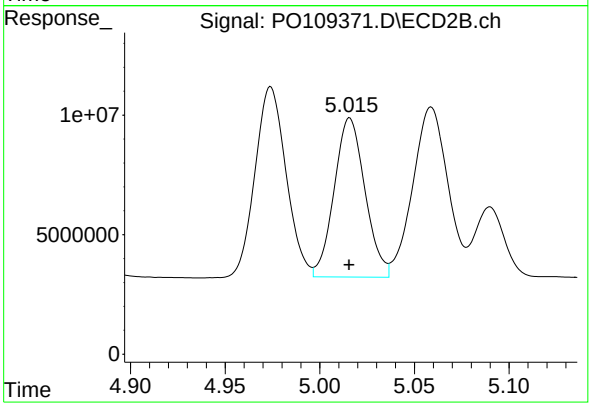
#5 AR-1016-3

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 90450961
Conc: 716.85 ng/ml



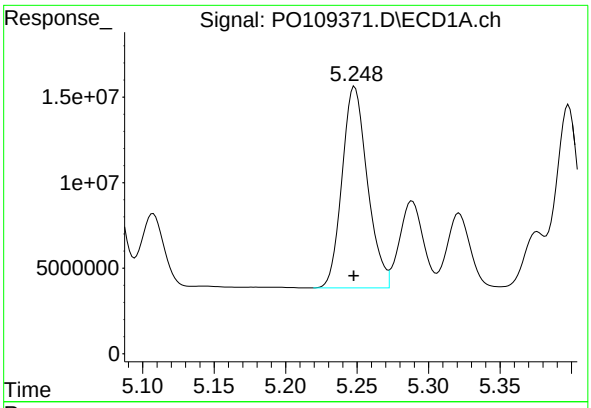
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: 0.000 min
Response: 136590827
Conc: 719.09 ng/ml



#6 AR-1016-4

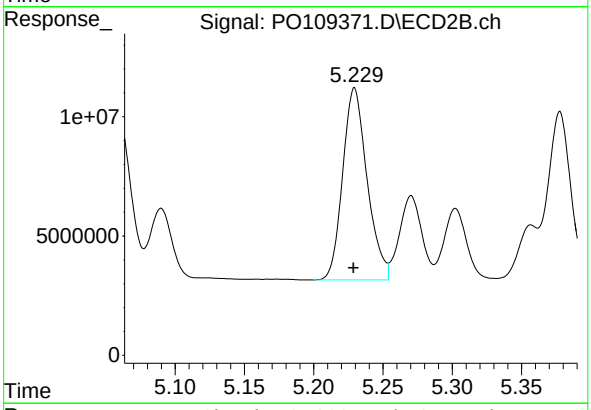
R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 75529893
Conc: 705.00 ng/ml



#7 AR-1016-5

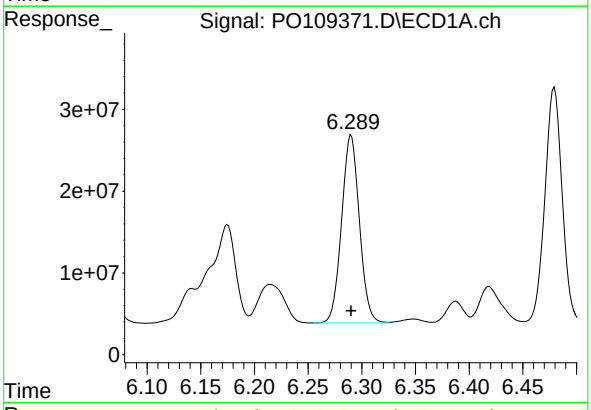
R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 145387471
Conc: 716.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



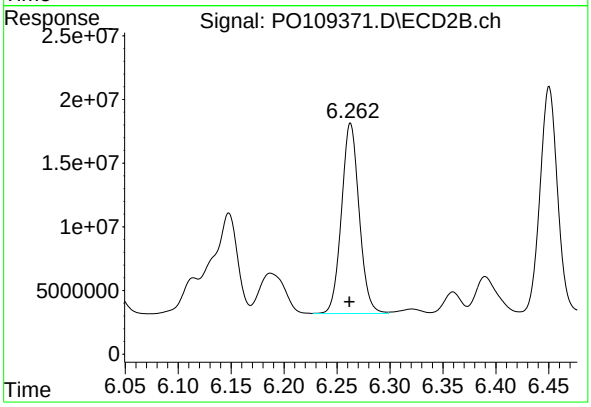
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 98856992
Conc: 711.46 ng/ml



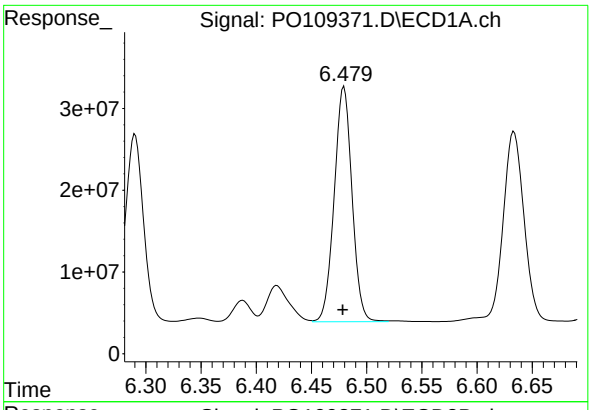
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 264468015
Conc: 722.05 ng/ml



#31 AR-1260-1

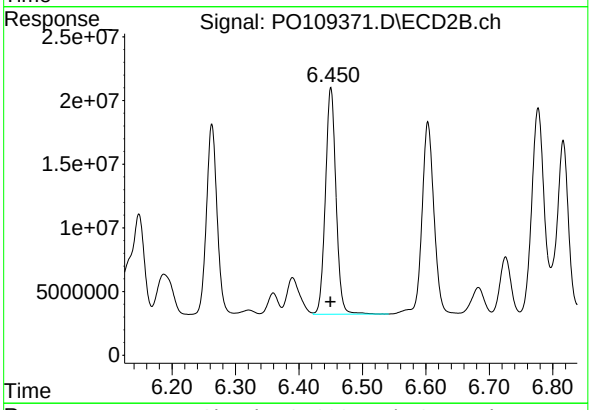
R.T.: 6.263 min
Delta R.T.: 0.001 min
Response: 174093531
Conc: 718.23 ng/ml



#32 AR-1260-2

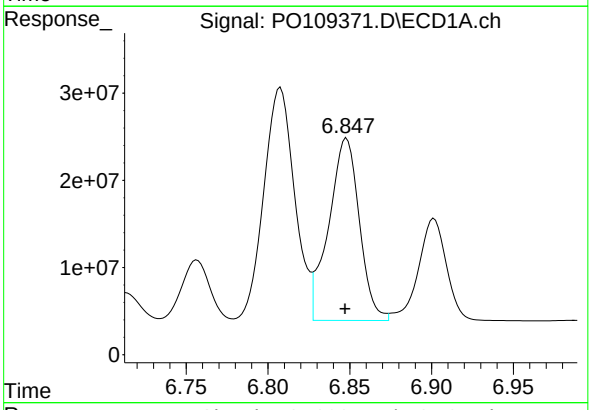
R.T.: 6.479 min
Delta R.T.: 0.001 min
Response: 322554442
Conc: 719.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



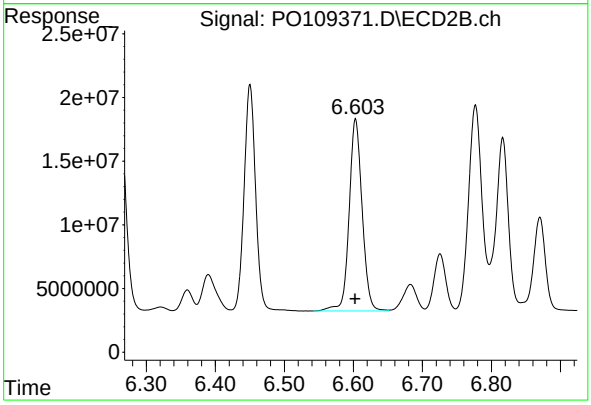
#32 AR-1260-2

R.T.: 6.450 min
Delta R.T.: 0.000 min
Response: 206302553
Conc: 717.87 ng/ml



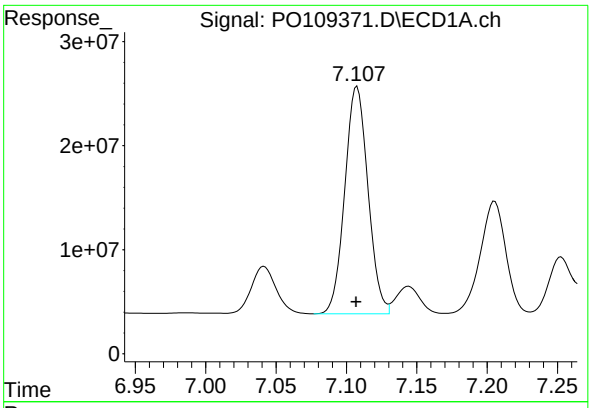
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.001 min
Response: 272398321
Conc: 729.49 ng/ml



#33 AR-1260-3

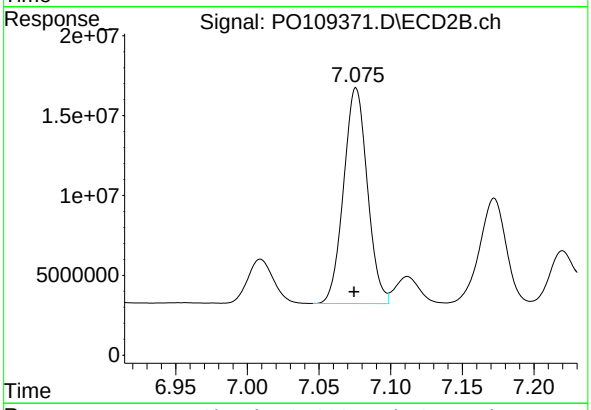
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 197296024
Conc: 714.23 ng/ml



#34 AR-1260-4

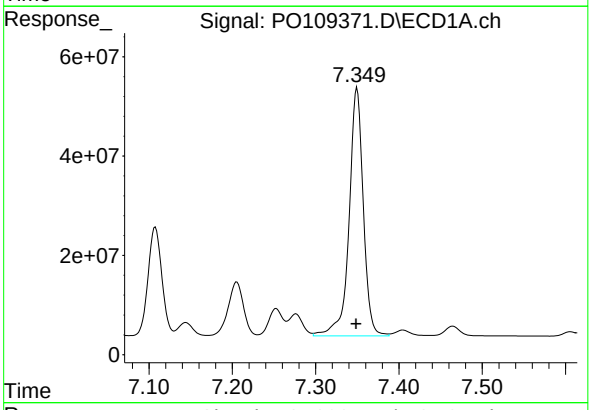
R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 251099967
Conc: 726.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



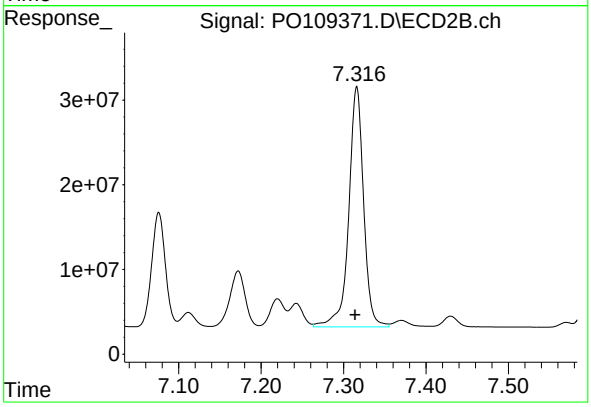
#34 AR-1260-4

R.T.: 7.076 min
Delta R.T.: 0.002 min
Response: 155570757
Conc: 721.46 ng/ml



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.001 min
Response: 592187008
Conc: 731.41 ng/ml



#35 AR-1260-5

R.T.: 7.316 min
Delta R.T.: 0.002 min
Response: 355470294
Conc: 731.56 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:53
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: Feb 03 22:19:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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...	3.699	3.695	388.1E6	268.4E6	50.000	50.000
2)	SA Decachlor...	8.758	8.707	319.3E6	154.1E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.779	126.3E6	82268910	500.000	500.000
4)	L1 AR-1016-2	4.813	4.798	170.6E6	115.4E6	500.000	500.000
5)	L1 AR-1016-3	4.869	4.974	120.1E6	63089113	500.000	500.000
6)	L1 AR-1016-4	4.990	5.015	94975151	53567029	500.000	500.000
7)	L1 AR-1016-5	5.248	5.229	101.4E6	69474403	500.000	500.000
31)	L7 AR-1260-1	6.290	6.262	183.1E6	121.2E6	500.000	500.000
32)	L7 AR-1260-2	6.478	6.449	224.0E6	143.7E6	500.000	500.000
33)	L7 AR-1260-3	6.847	6.603	186.7E6	138.1E6	500.000	500.000
34)	L7 AR-1260-4	7.107	7.074	172.8E6	107.8E6	500.000	500.000
35)	L7 AR-1260-5	7.349	7.314	404.8E6	243.0E6	500.000	500.000

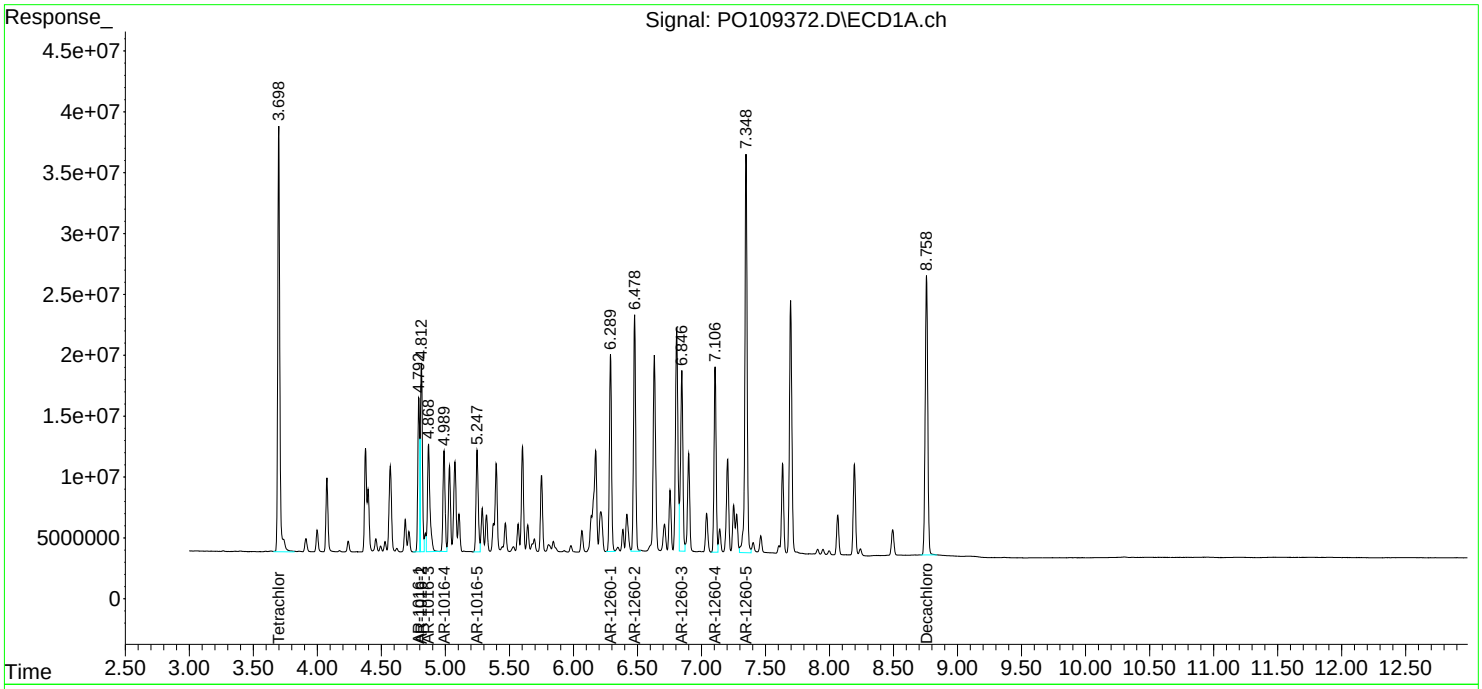
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

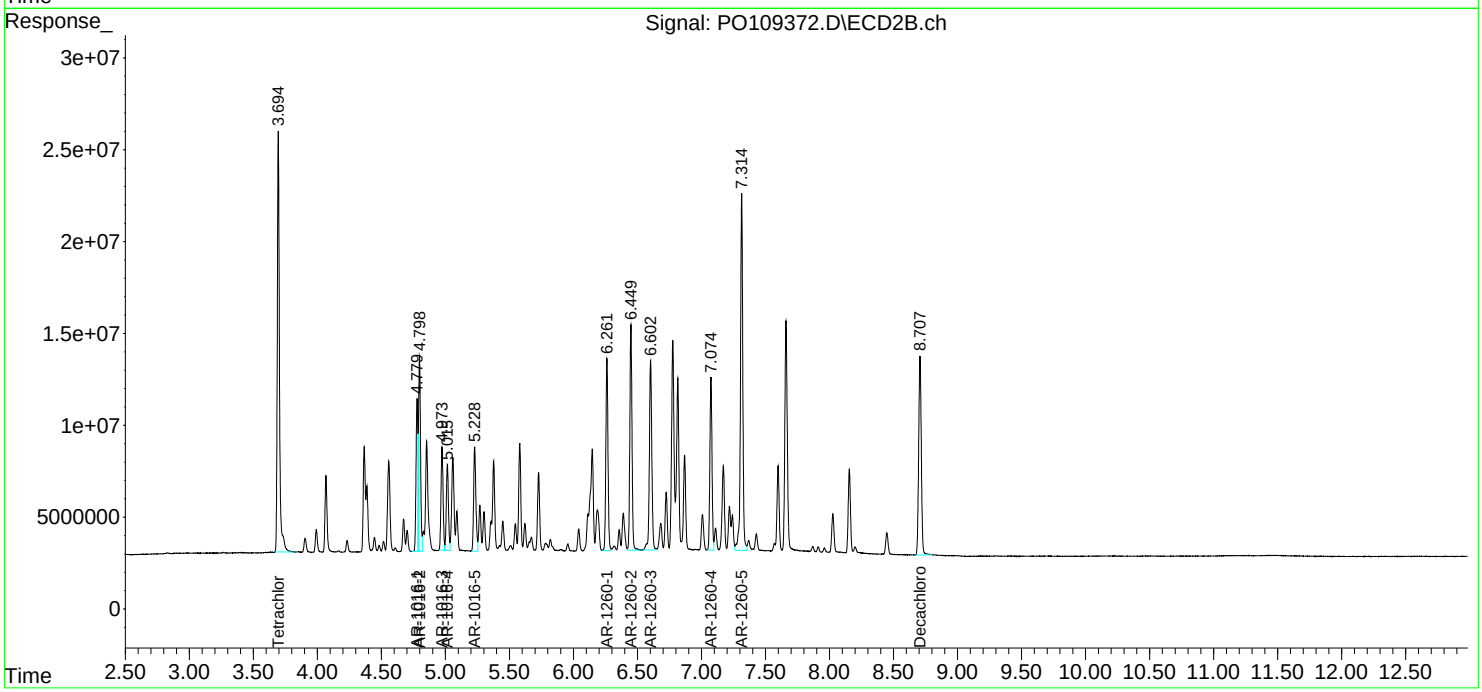
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:53
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

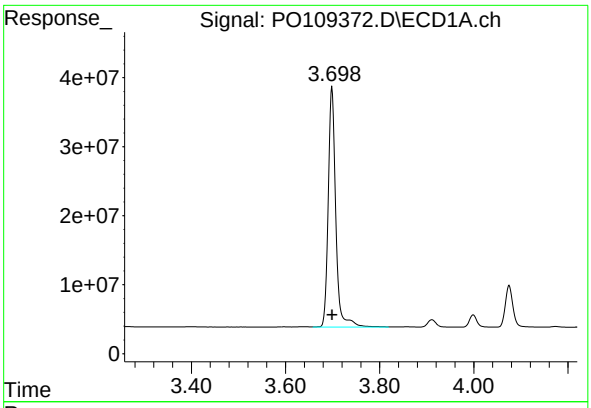
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 22:19:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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



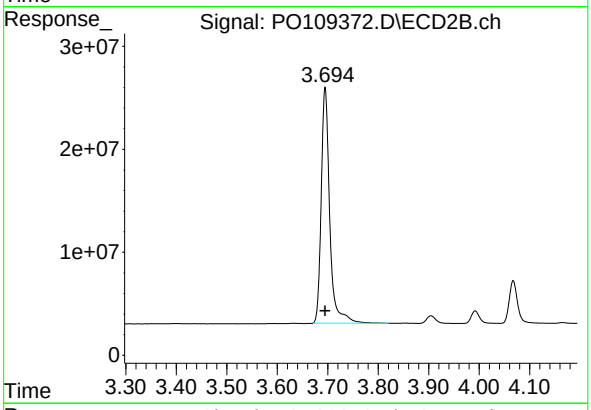




#1 Tetrachloro-m-xylene

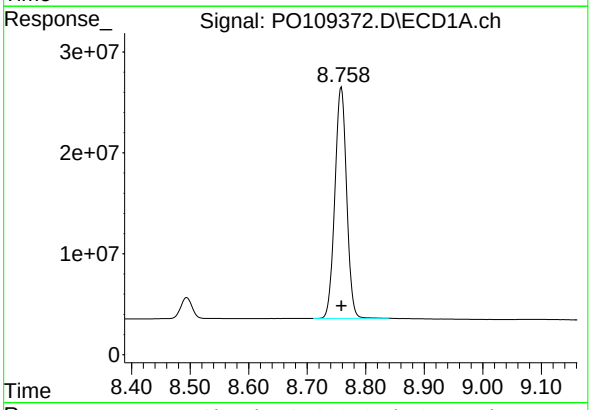
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 388117019
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



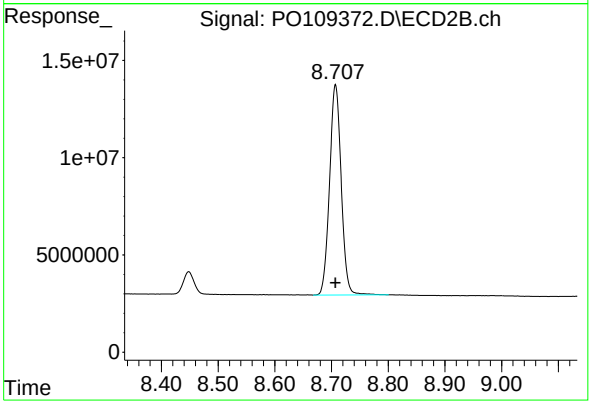
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 268433928
Conc: 50.00 ng/ml



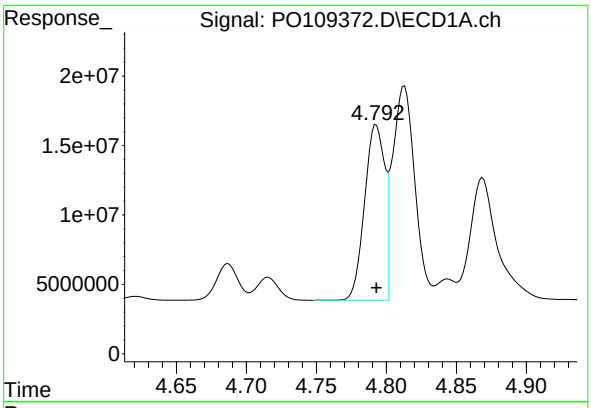
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 319273565
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

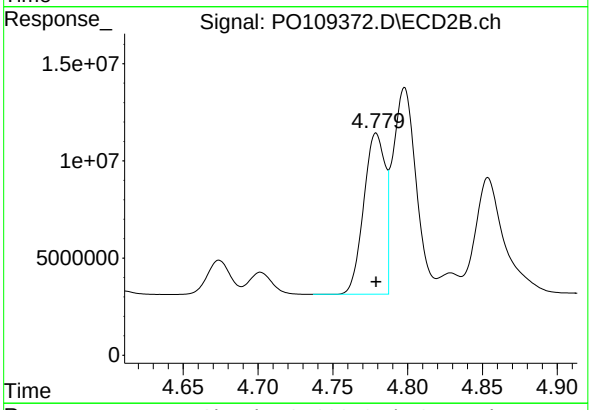
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 154070010
Conc: 50.00 ng/ml



#3 AR-1016-1

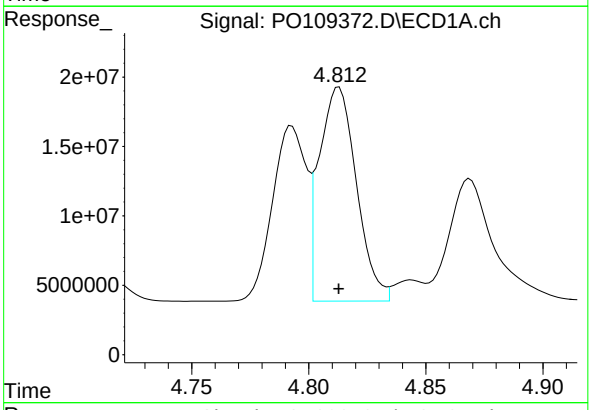
R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 126308223
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



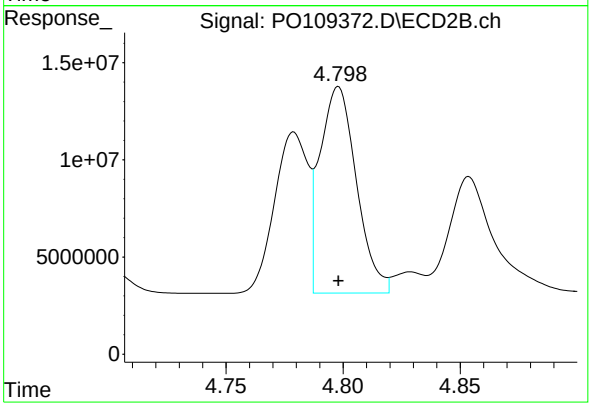
#3 AR-1016-1

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 82268910
Conc: 500.00 ng/ml



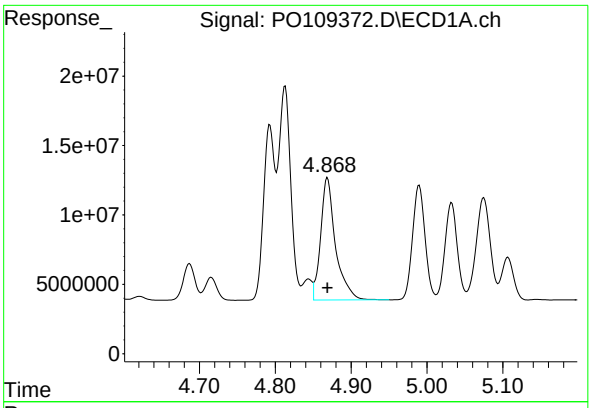
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 170587948
Conc: 500.00 ng/ml



#4 AR-1016-2

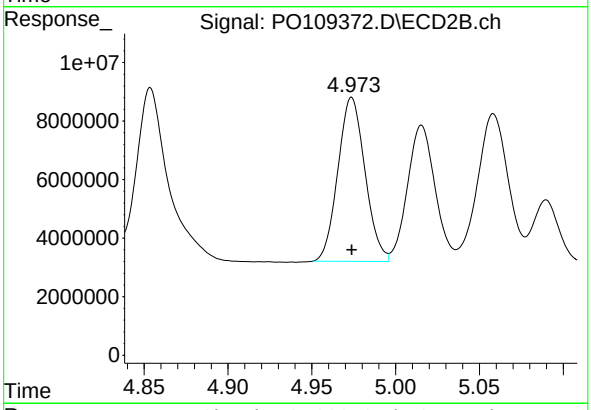
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 115395683
Conc: 500.00 ng/ml



#5 AR-1016-3

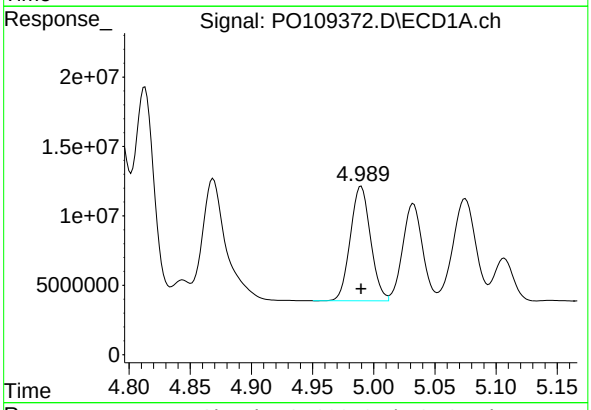
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 120069229
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



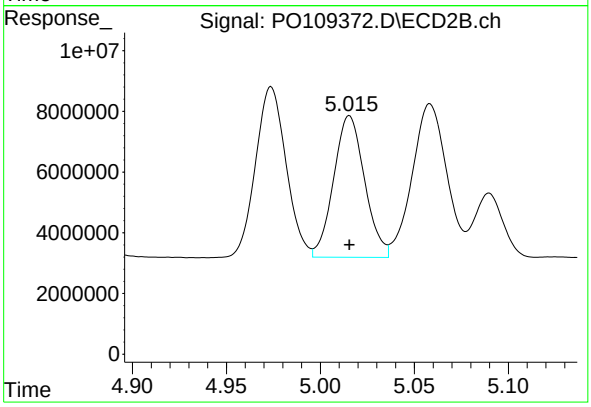
#5 AR-1016-3

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 63089113
Conc: 500.00 ng/ml



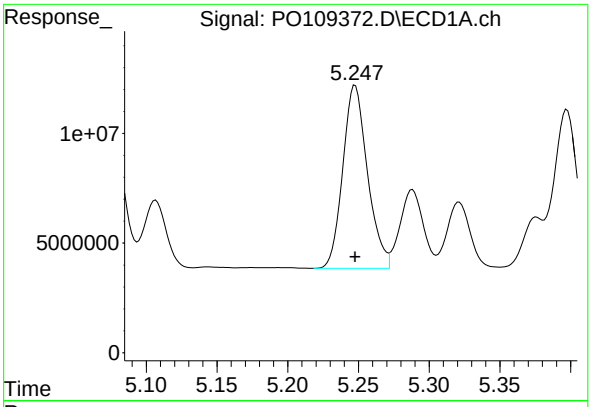
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: 0.000 min
Response: 94975151
Conc: 500.00 ng/ml



#6 AR-1016-4

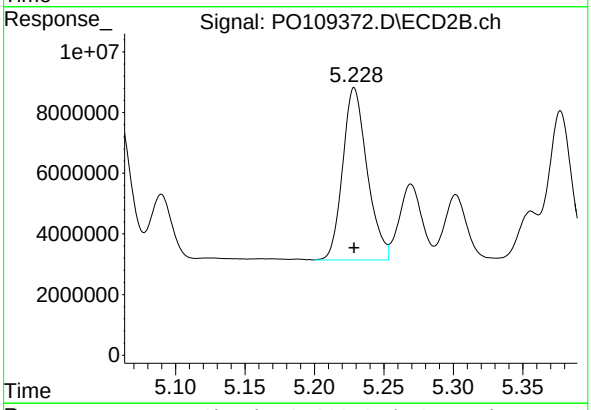
R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 53567029
Conc: 500.00 ng/ml



#7 AR-1016-5

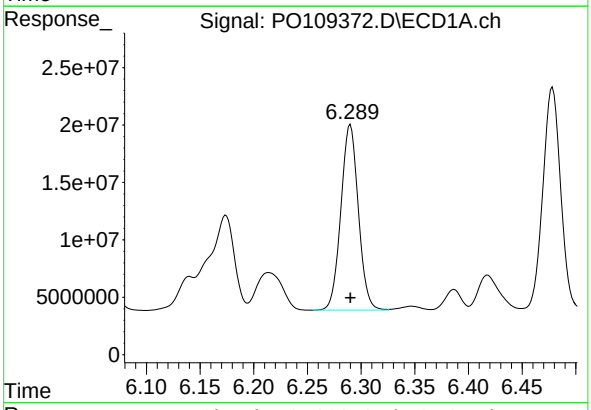
R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 101396767
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



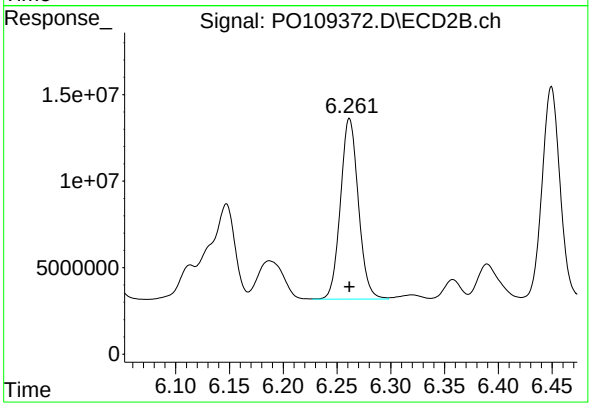
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 69474403
Conc: 500.00 ng/ml



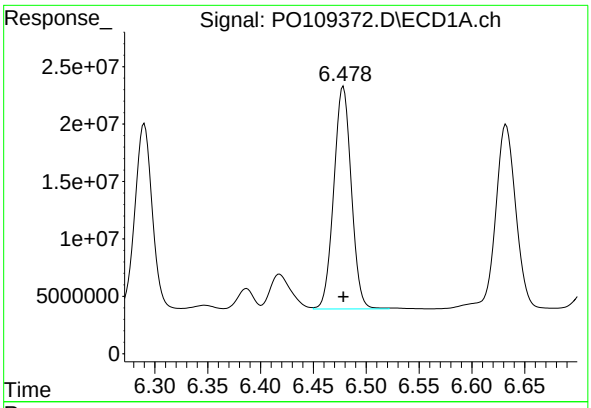
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 183138117
Conc: 500.00 ng/ml



#31 AR-1260-1

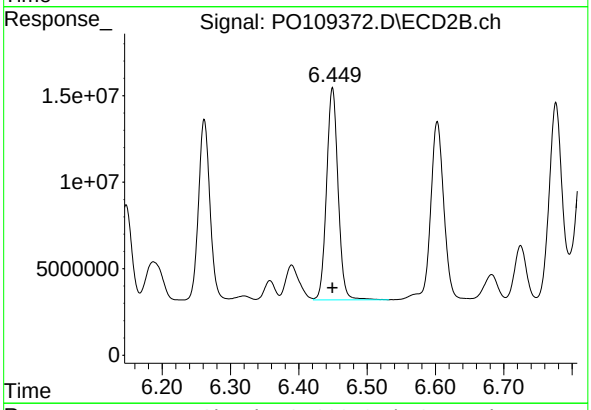
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 121196634
Conc: 500.00 ng/ml



#32 AR-1260-2

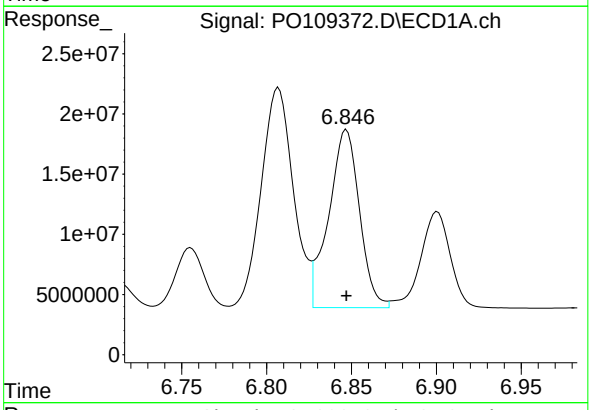
R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 224012680
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



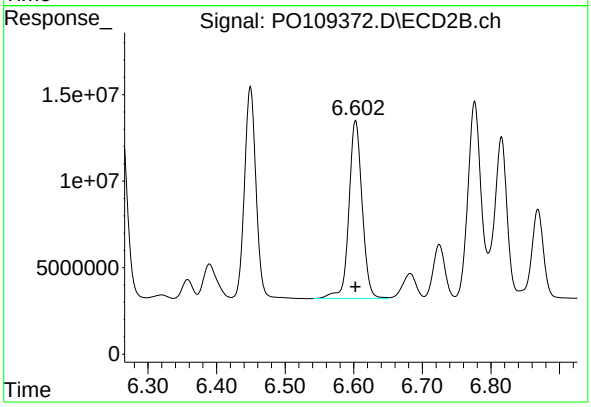
#32 AR-1260-2

R.T.: 6.449 min
Delta R.T.: 0.000 min
Response: 143690853
Conc: 500.00 ng/ml



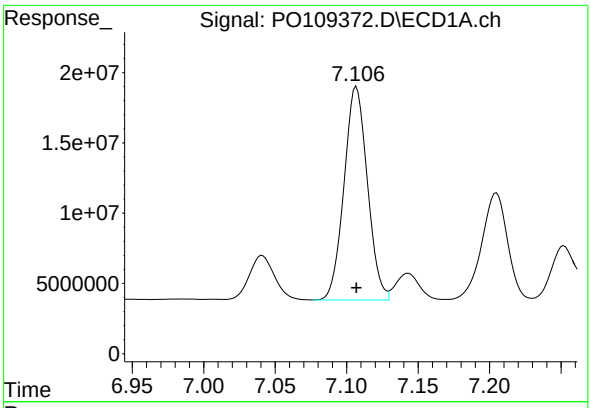
#33 AR-1260-3

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 186704228
Conc: 500.00 ng/ml



#33 AR-1260-3

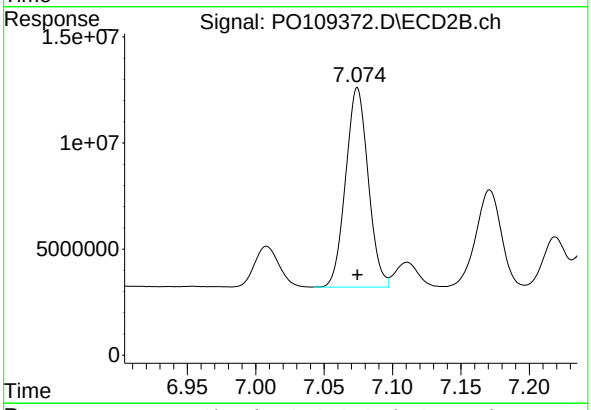
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 138118414
Conc: 500.00 ng/ml



#34 AR-1260-4

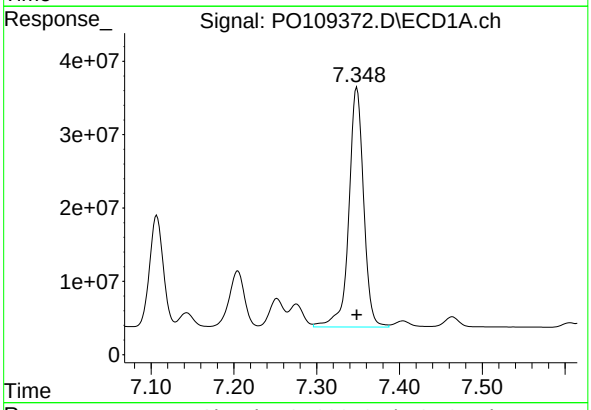
R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 172792777
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



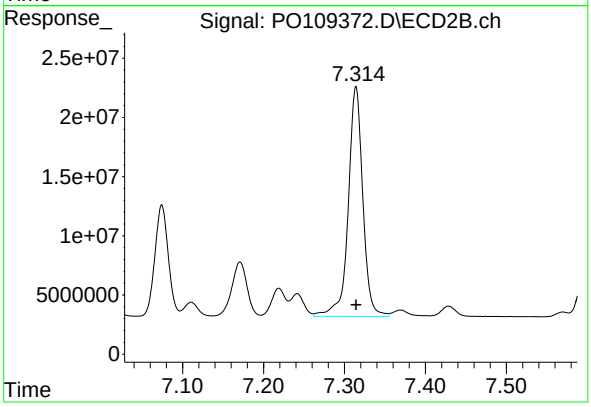
#34 AR-1260-4

R.T.: 7.074 min
Delta R.T.: 0.000 min
Response: 107816922
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 404827826
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 242955142
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:12
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: Feb 03 22:20:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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...	3.698	3.695	190.4E6	137.6E6	24.525	25.624
2)	SA Decachlor...	8.757	8.708	169.0E6	81864323	26.463	26.567
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.779	67682736	43777455	267.927	266.063
4)	L1 AR-1016-2	4.812	4.798	89813167	61140447	263.246	264.917
5)	L1 AR-1016-3	4.868	4.974	64473829	33801706	268.486	267.889
6)	L1 AR-1016-4	4.989	5.016	50705724	29198795	266.942	272.544
7)	L1 AR-1016-5	5.246	5.229	55123974	37609192	271.823	270.669
31)	L7 AR-1260-1	6.289	6.262	98136899	65309050	267.931	269.434
32)	L7 AR-1260-2	6.478	6.450	119.1E6	77046613	265.895	268.099
33)	L7 AR-1260-3	6.847	6.603	100.3E6	76130395	268.477	275.598
34)	L7 AR-1260-4	7.107	7.075	91788020	57430299	265.601	266.332
35)	L7 AR-1260-5	7.348	7.315	210.0E6	125.9E6	259.355	259.033

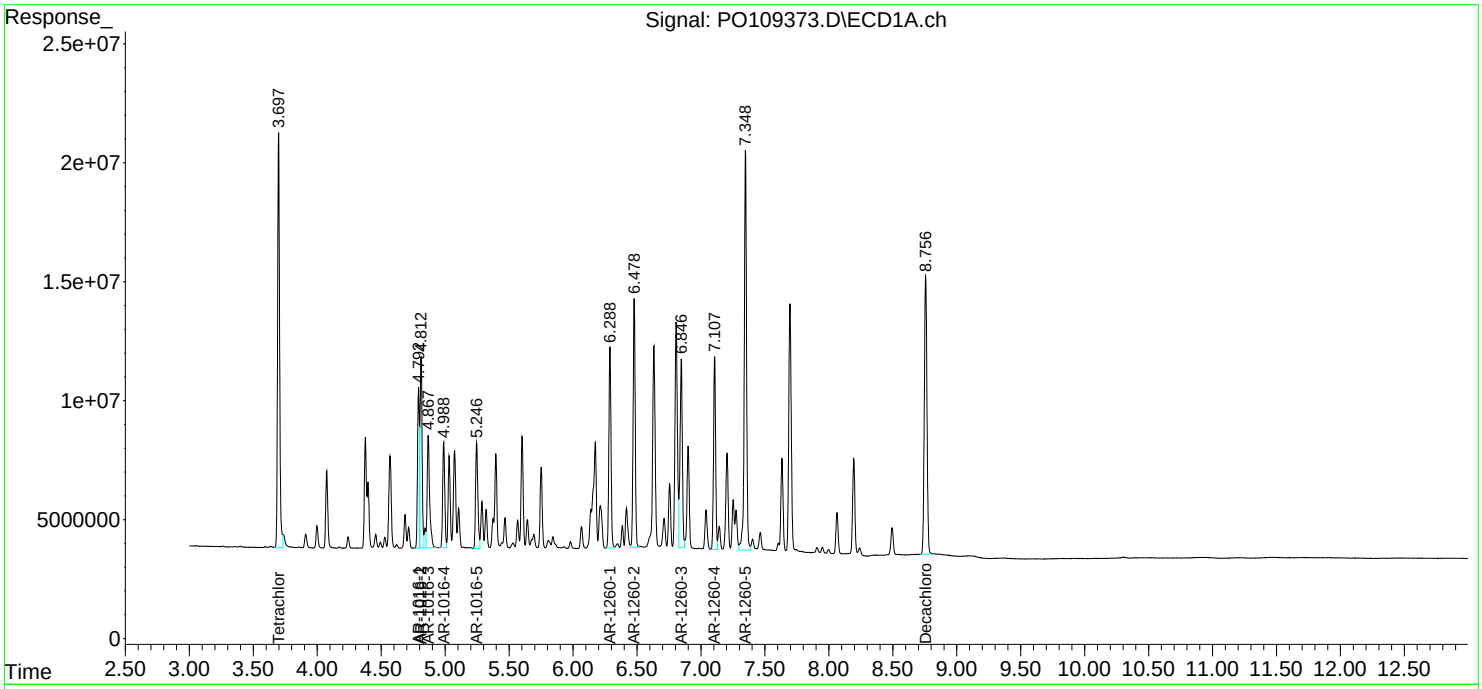
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

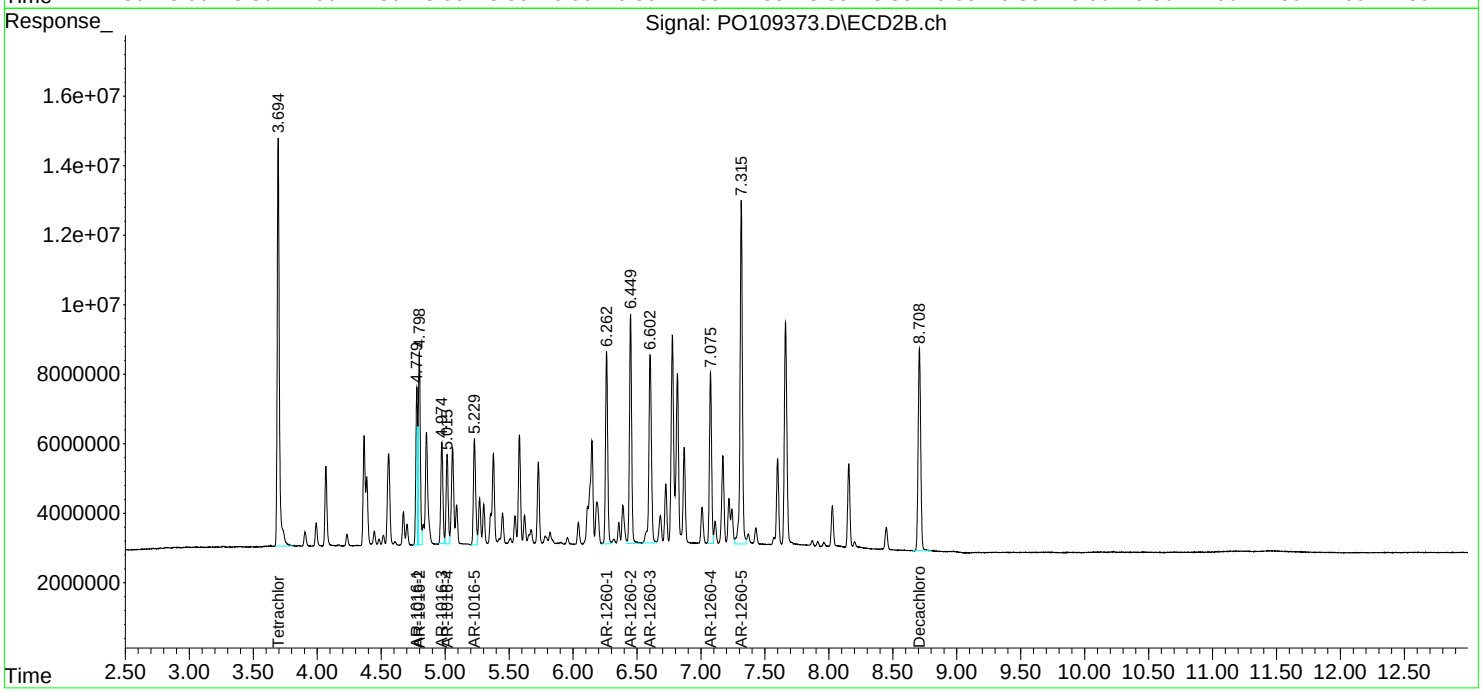
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:12
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

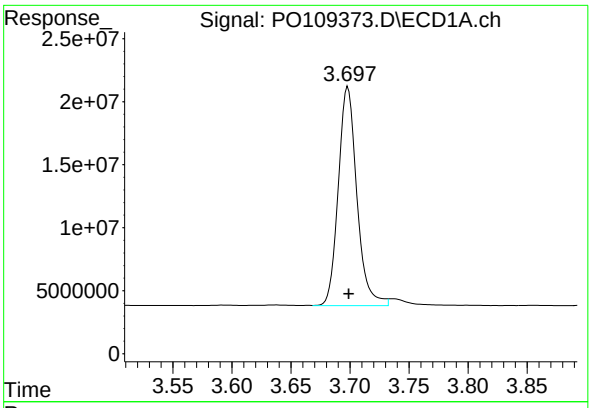
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 22:20:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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



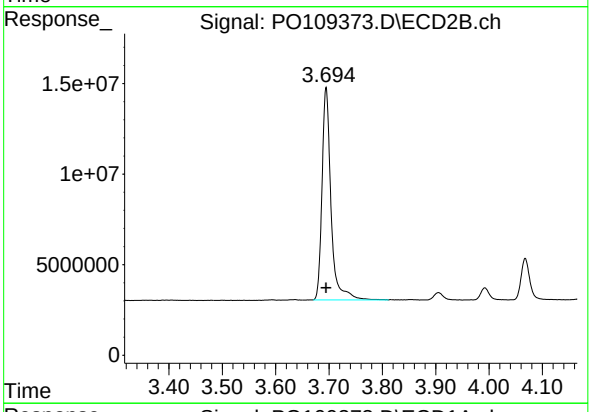




#1 Tetrachloro-m-xylene

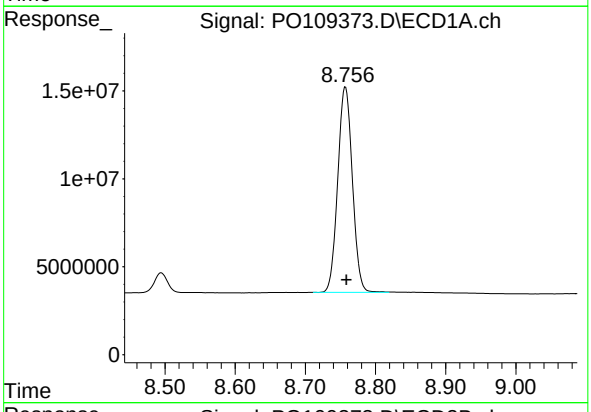
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 190373858
Conc: 24.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



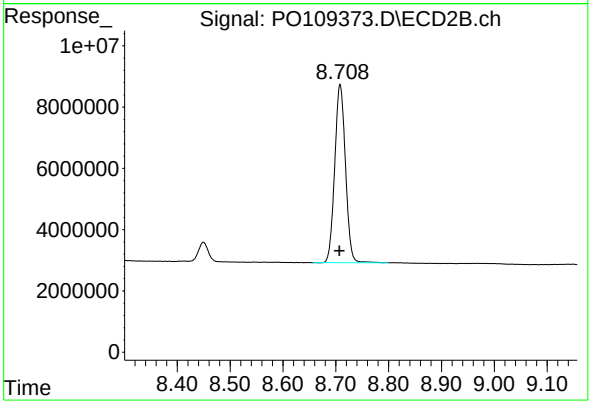
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 137568292
Conc: 25.62 ng/ml



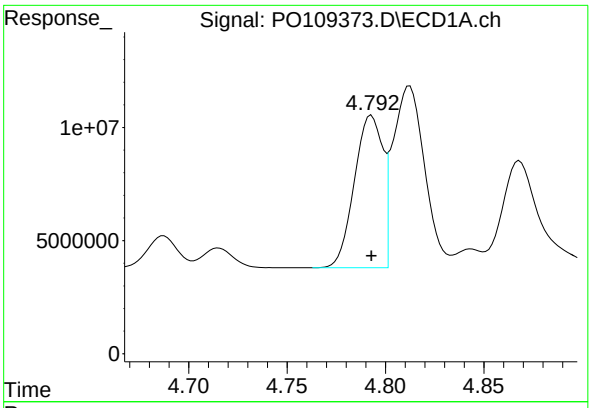
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: -0.001 min
Response: 168981405
Conc: 26.46 ng/ml



#2 Decachlorobiphenyl

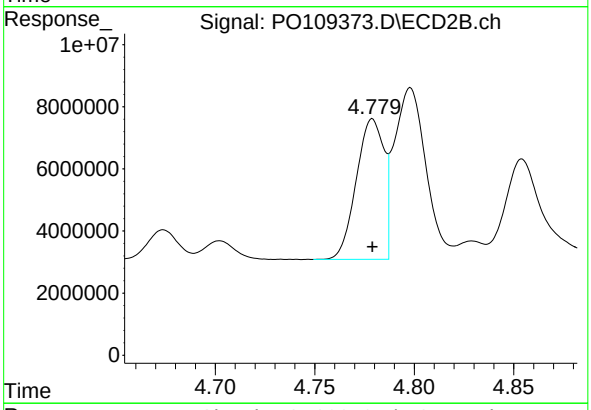
R.T.: 8.708 min
Delta R.T.: 0.001 min
Response: 81864323
Conc: 26.57 ng/ml



#3 AR-1016-1

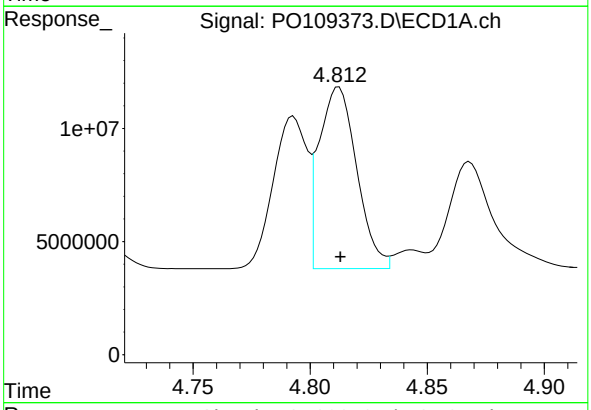
R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 67682736
Conc: 267.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



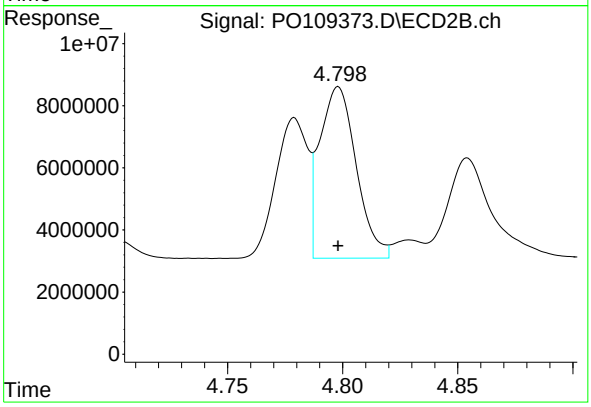
#3 AR-1016-1

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 43777455
Conc: 266.06 ng/ml



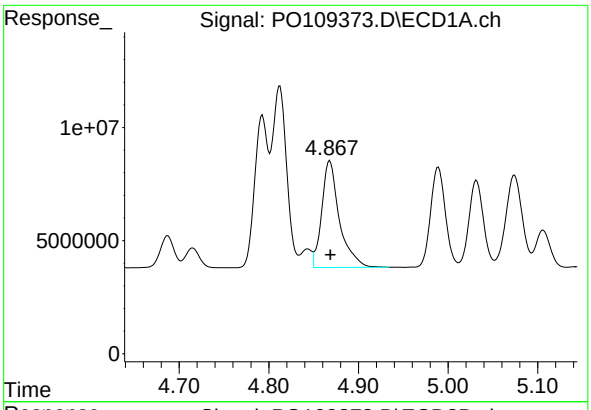
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 89813167
Conc: 263.25 ng/ml



#4 AR-1016-2

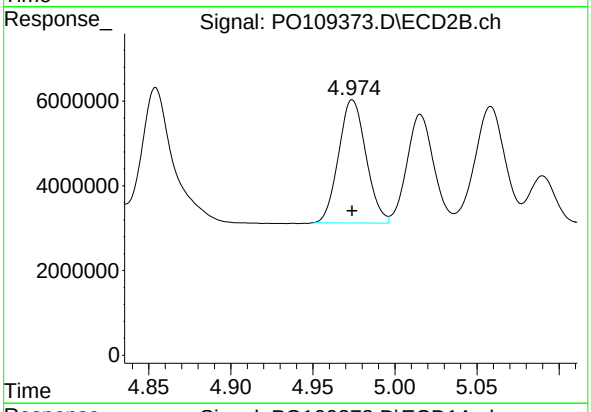
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 61140447
Conc: 264.92 ng/ml



#5 AR-1016-3

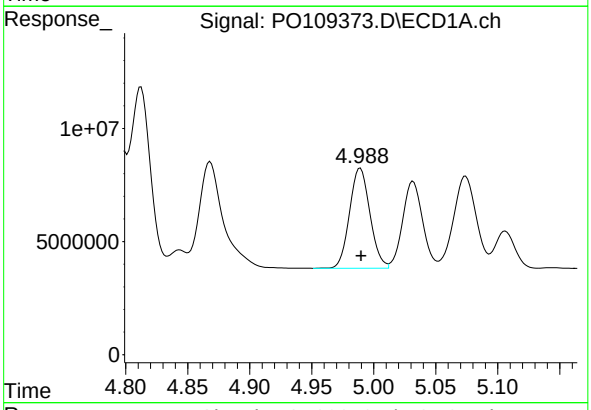
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 64473829
Conc: 268.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



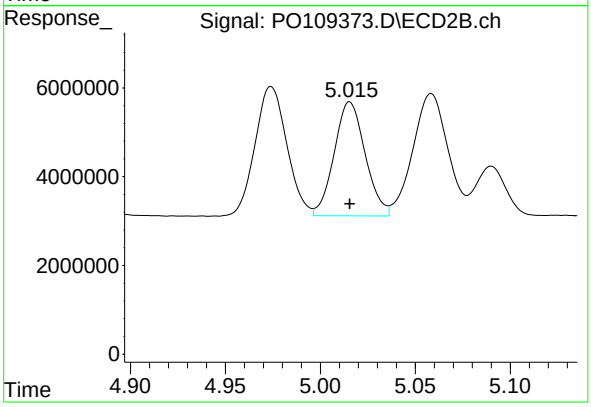
#5 AR-1016-3

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 33801706
Conc: 267.89 ng/ml



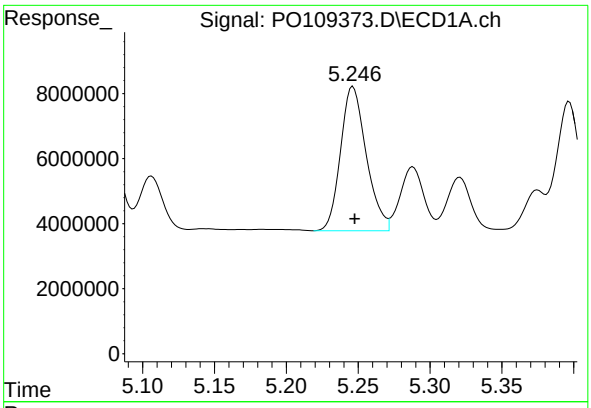
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 50705724
Conc: 266.94 ng/ml



#6 AR-1016-4

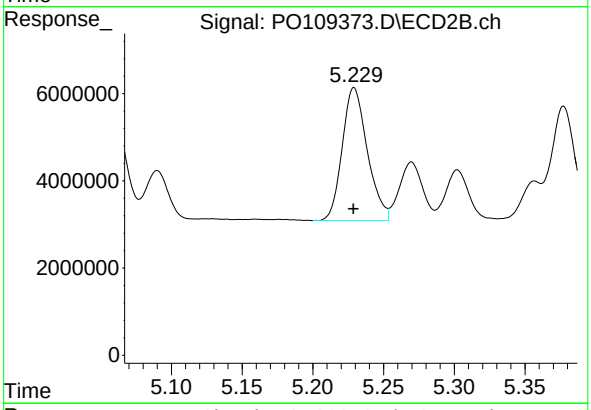
R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 29198795
Conc: 272.54 ng/ml



#7 AR-1016-5

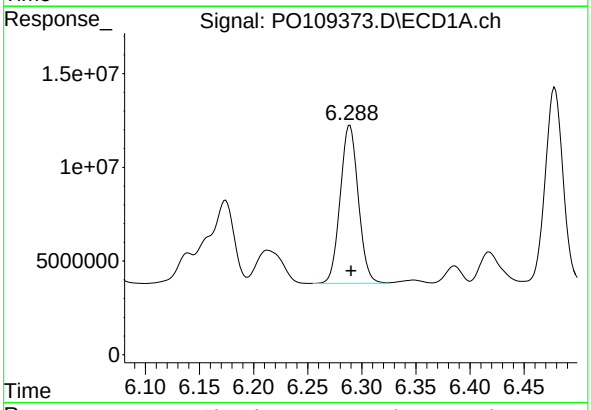
R.T.: 5.246 min
Delta R.T.: -0.001 min
Response: 55123974
Conc: 271.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



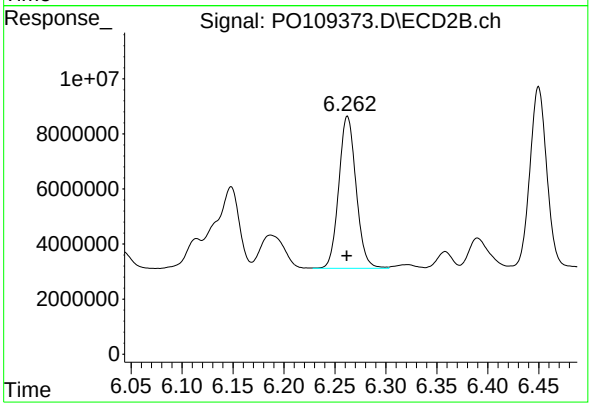
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 37609192
Conc: 270.67 ng/ml



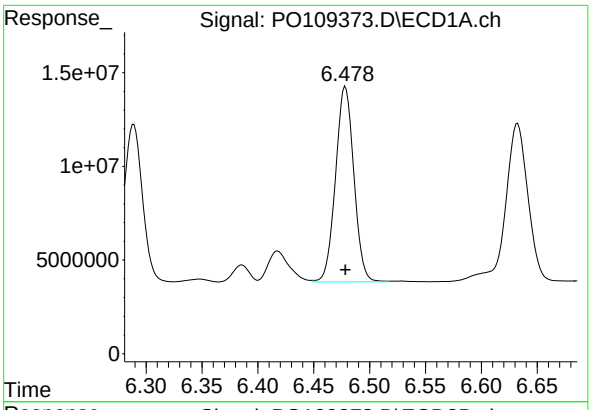
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: -0.001 min
Response: 98136899
Conc: 267.93 ng/ml



#31 AR-1260-1

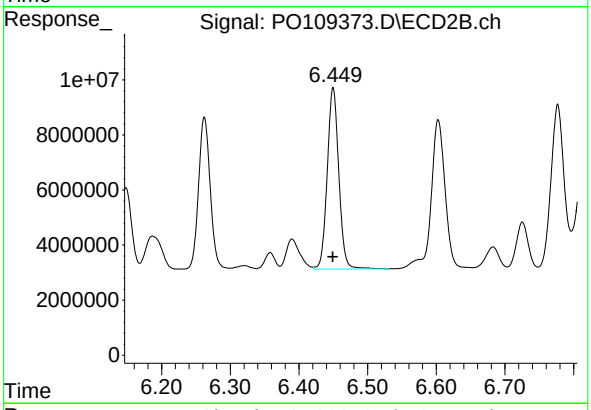
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 65309050
Conc: 269.43 ng/ml



#32 AR-1260-2

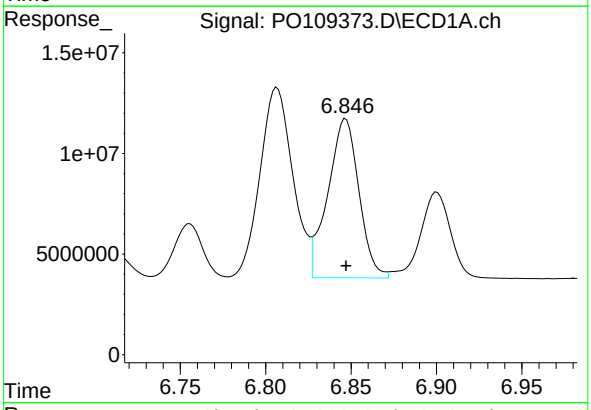
R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 119127905
Conc: 265.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



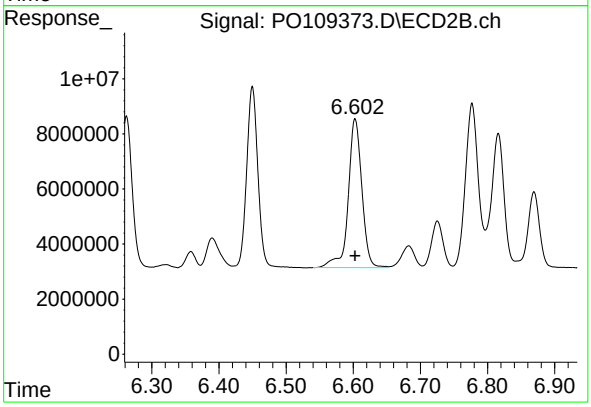
#32 AR-1260-2

R.T.: 6.450 min
Delta R.T.: 0.000 min
Response: 77046613
Conc: 268.10 ng/ml



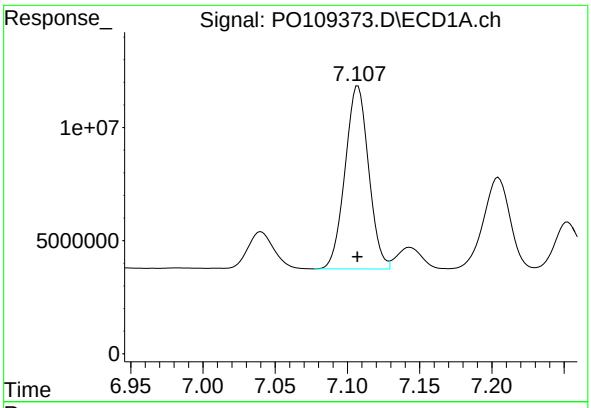
#33 AR-1260-3

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 100251585
Conc: 268.48 ng/ml



#33 AR-1260-3

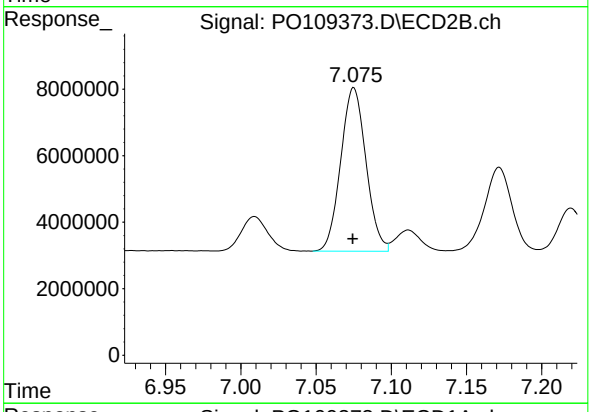
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 76130395
Conc: 275.60 ng/ml



#34 AR-1260-4

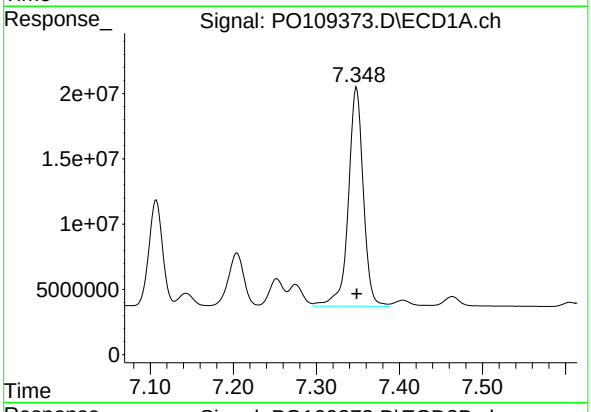
R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 91788020
Conc: 265.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



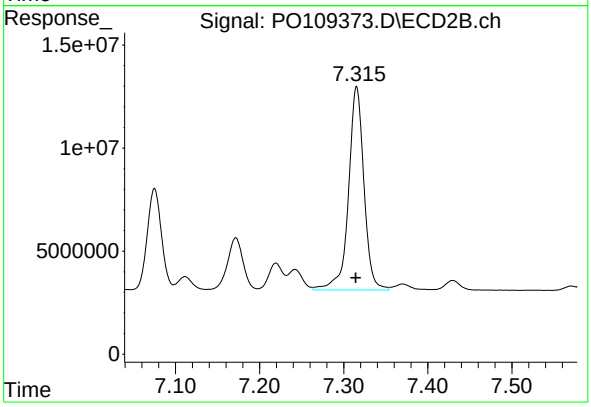
#34 AR-1260-4

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 57430299
Conc: 266.33 ng/ml



#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: 0.000 min
Response: 209988641
Conc: 259.36 ng/ml



#35 AR-1260-5

R.T.: 7.315 min
Delta R.T.: 0.001 min
Response: 125866768
Conc: 259.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:30
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 22:20:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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...	3.698	3.694	36706958	26719207	4.729	4.977
2)	SA Decachlor...	8.758	8.708	35178264	17109279	5.509	5.552
	Target Compounds						
3)	L1 AR-1016-1	4.792	4.778	13868739	9424401	54.900	57.278
4)	L1 AR-1016-2	4.812	4.798	18035509	12368643	52.863	53.592
5)	L1 AR-1016-3	4.868	4.973	13122284	7014664	54.645	55.593
6)	L1 AR-1016-4	4.989	5.015	10430537	6374630	54.912	59.501
7)	L1 AR-1016-5	5.246	5.229	11073213	7591806	54.603m	54.637m
31)	L7 AR-1260-1	6.287	6.262	20634542	13701866	56.336m	56.527m
32)	L7 AR-1260-2	6.477	6.448	25632152	16016930	57.211m	55.734m
33)	L7 AR-1260-3	6.846	6.602	21211144	16123864	56.804	58.370
34)	L7 AR-1260-4	7.106	7.074	18843533	12282021	54.526	56.958
35)	L7 AR-1260-5	7.348	7.314	43121792	26081465	53.259	53.675

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:30
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

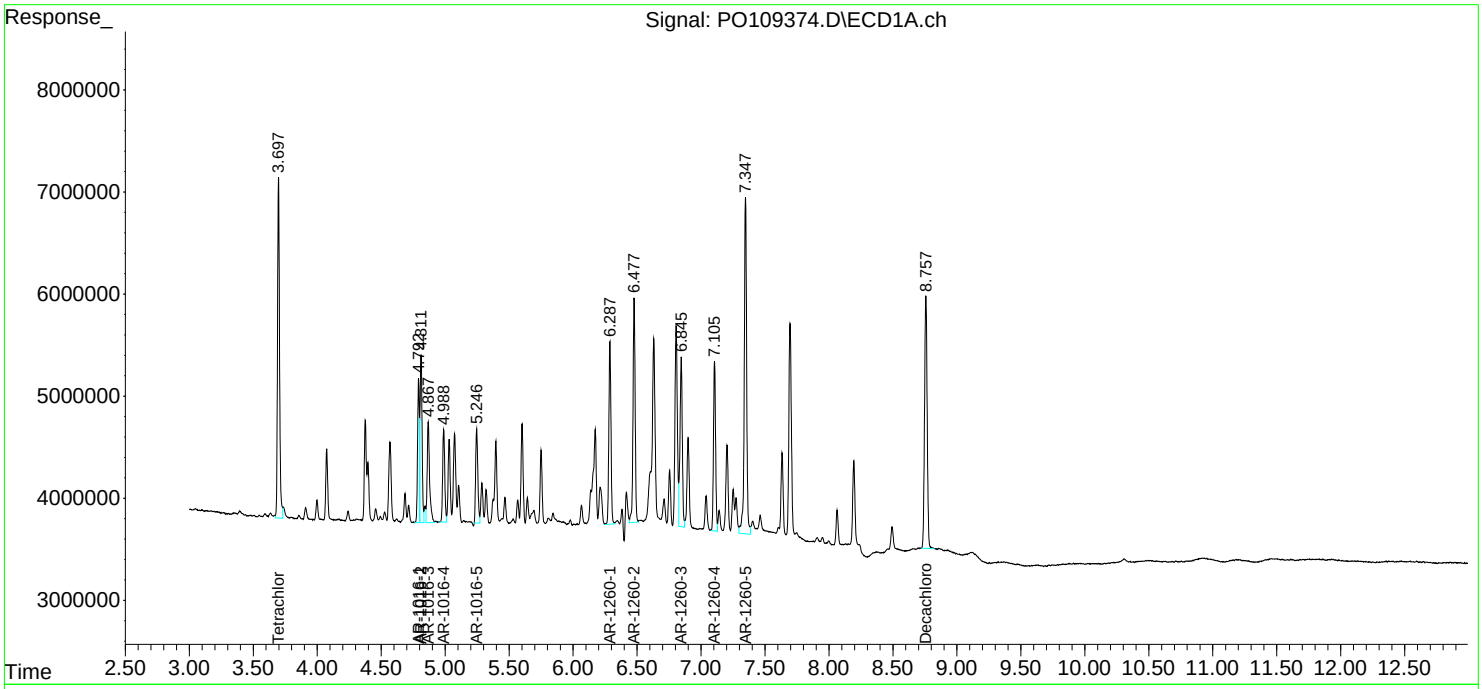
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

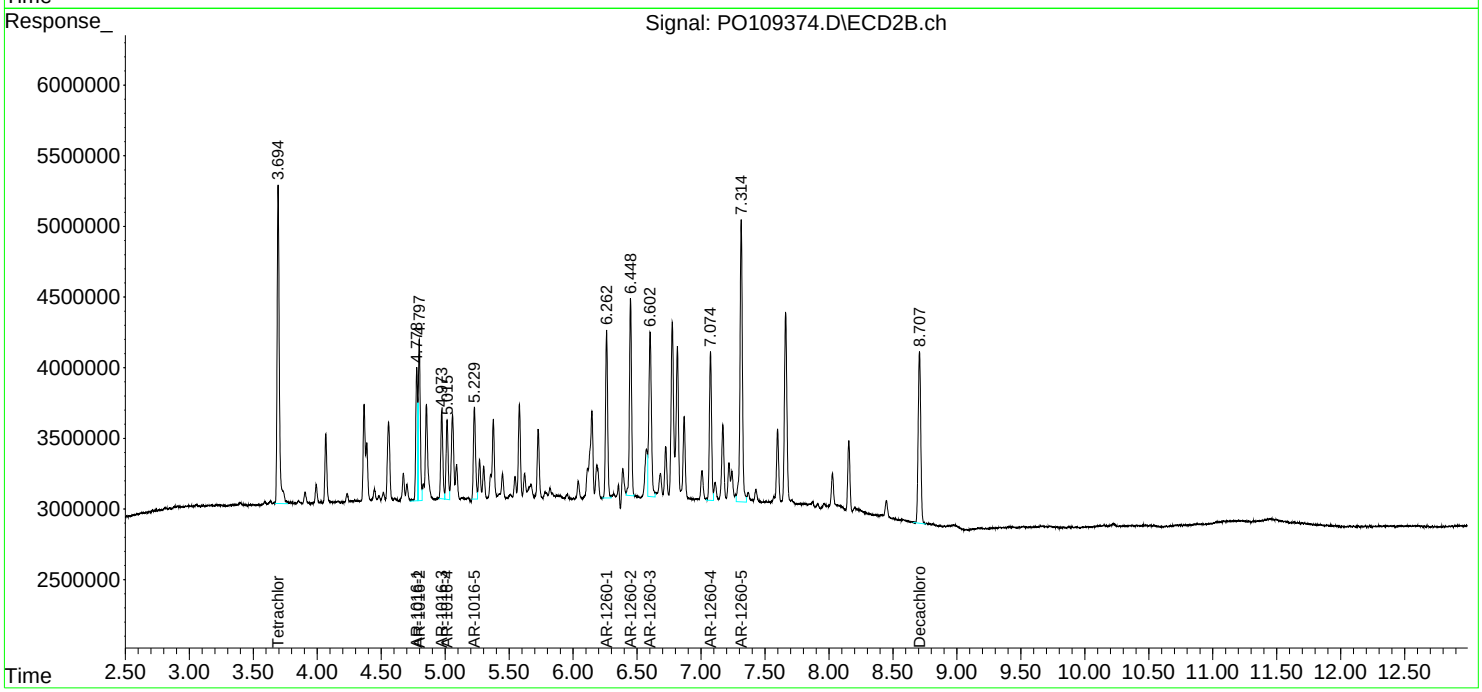
Manual Integrations APPROVED

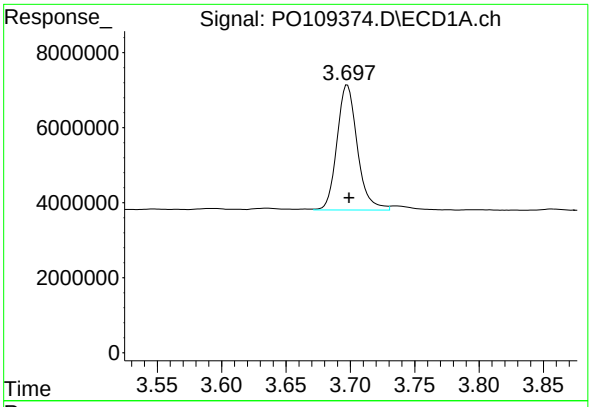
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 22:20:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 22:18:57 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







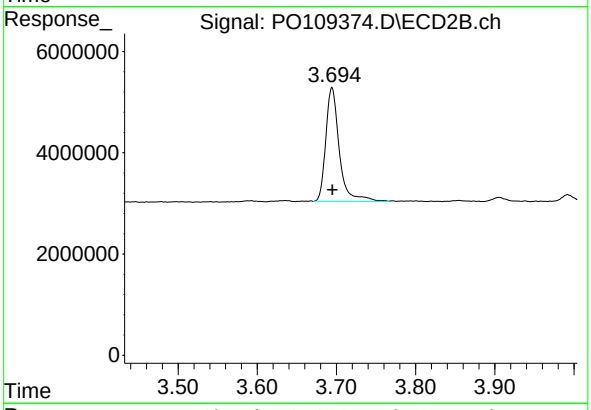
#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: -0.001 min
Response: 36706958
Conc: 4.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

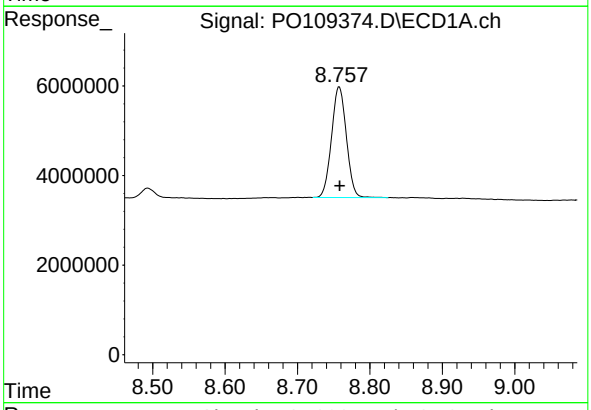
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



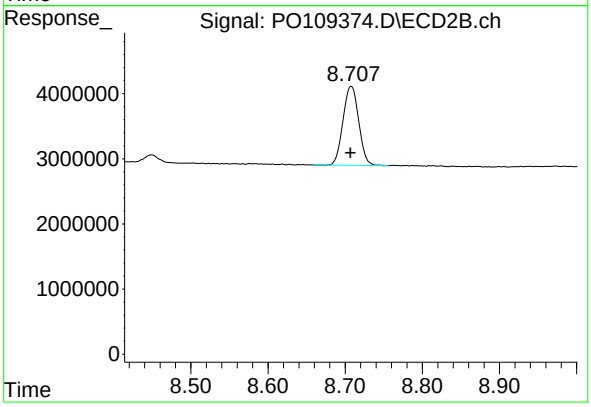
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 26719207
Conc: 4.98 ng/ml



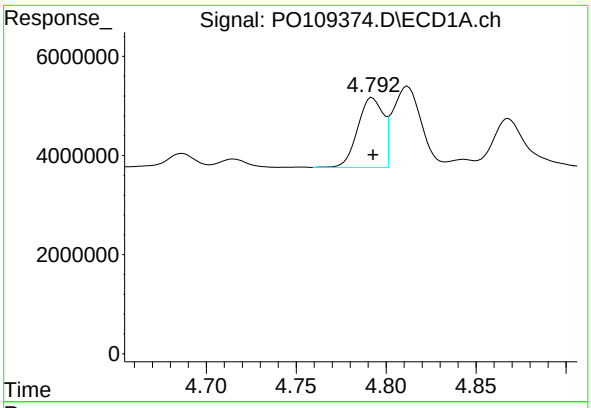
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 35178264
Conc: 5.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 17109279
Conc: 5.55 ng/ml



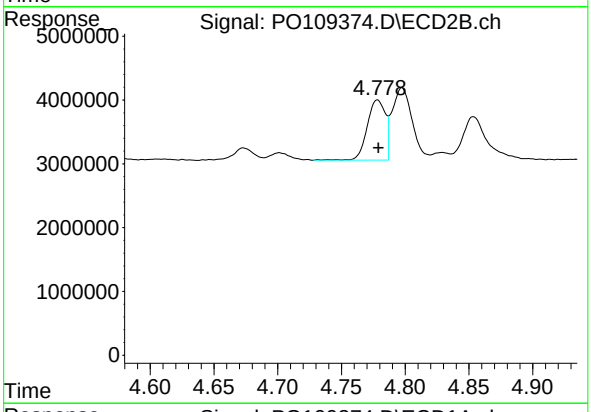
#3 AR-1016-1

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 13868739
Conc: 54.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

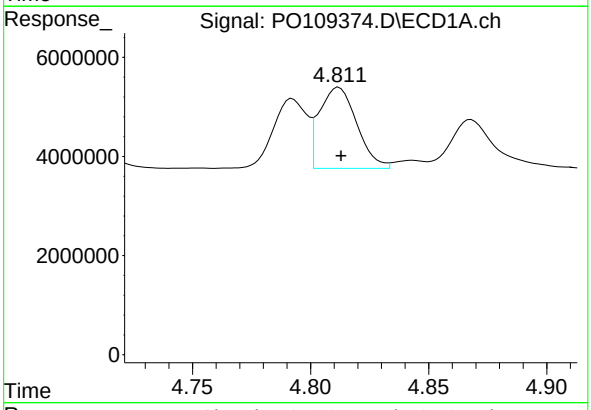
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



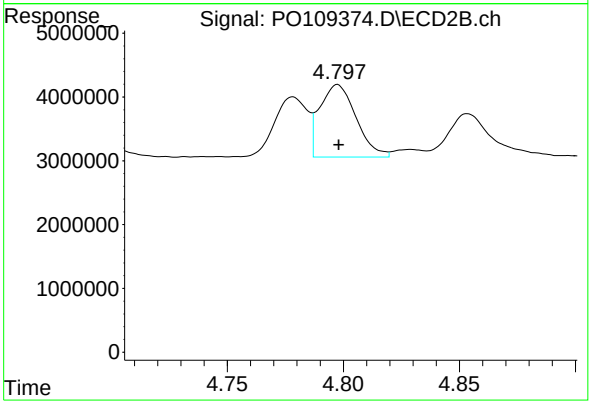
#3 AR-1016-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 9424401
Conc: 57.28 ng/ml



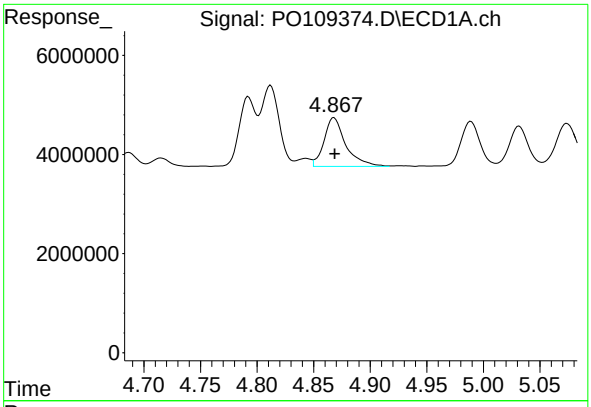
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 18035509
Conc: 52.86 ng/ml



#4 AR-1016-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 12368643
Conc: 53.59 ng/ml



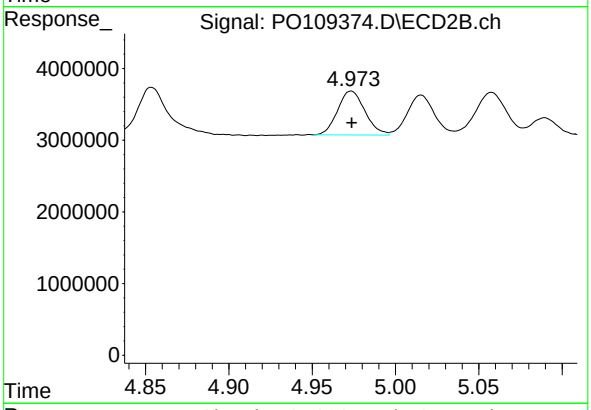
#5 AR-1016-3

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 13122284
Conc: 54.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

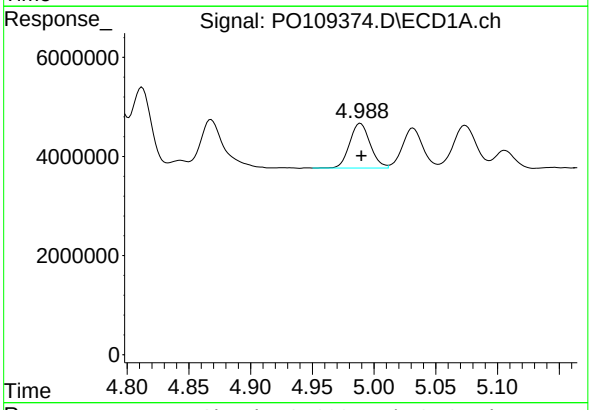
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



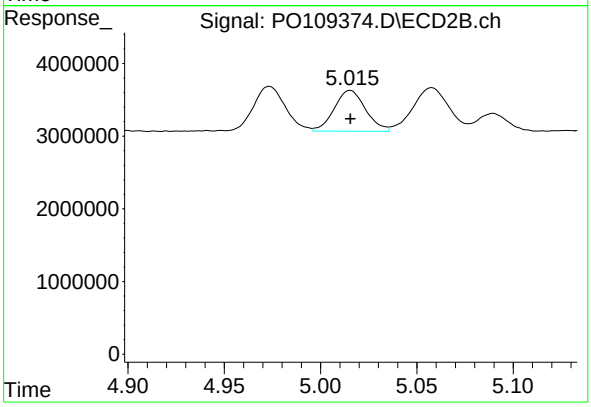
#5 AR-1016-3

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 7014664
Conc: 55.59 ng/ml



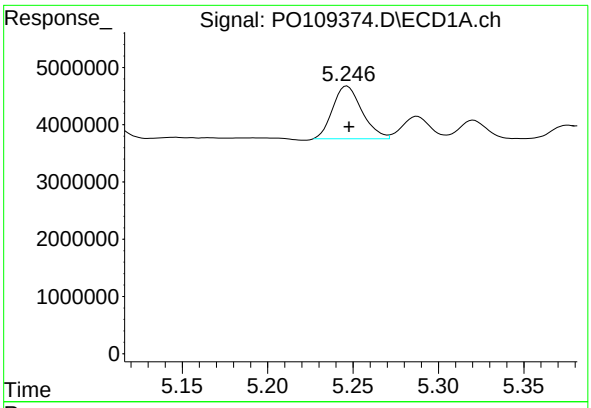
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 10430537
Conc: 54.91 ng/ml



#6 AR-1016-4

R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 6374630
Conc: 59.50 ng/ml



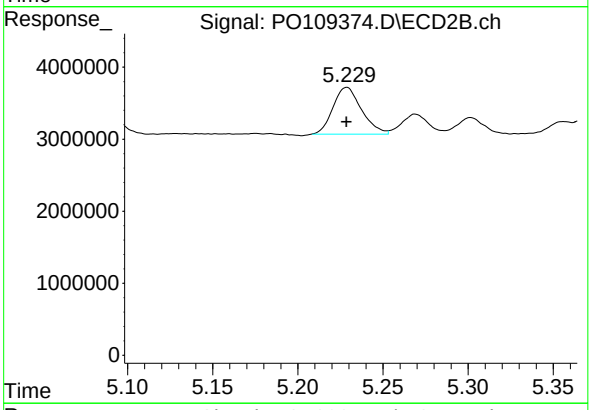
#7 AR-1016-5

R.T.: 5.246 min
Delta R.T.: -0.002 min
Response: 11073213
Conc: 54.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

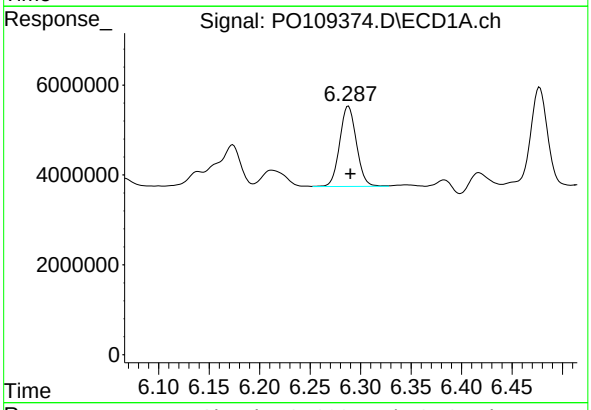
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



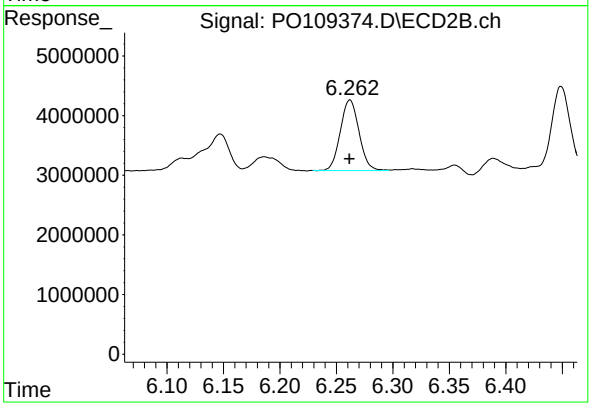
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 7591806
Conc: 54.64 ng/ml m



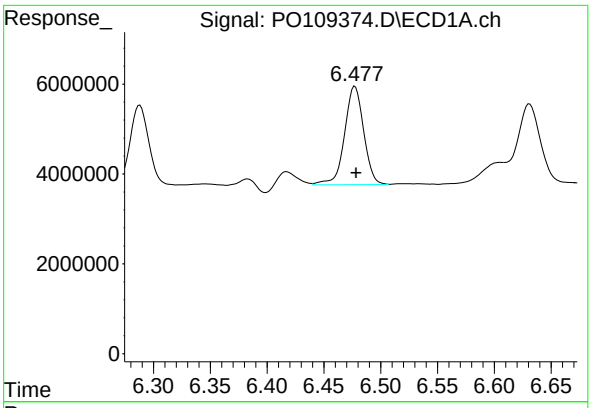
#31 AR-1260-1

R.T.: 6.287 min
Delta R.T.: -0.003 min
Response: 20634542
Conc: 56.34 ng/ml m



#31 AR-1260-1

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 13701866
Conc: 56.53 ng/ml m



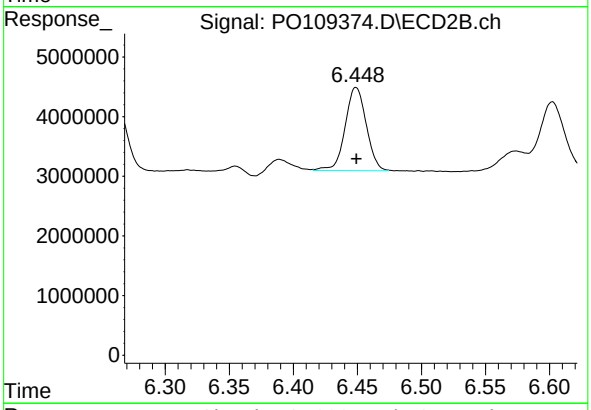
#32 AR-1260-2

R.T.: 6.477 min
Delta R.T.: -0.002 min
Response: 25632152
Conc: 57.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

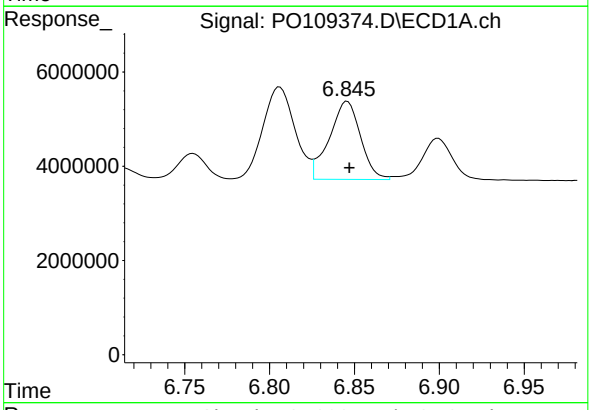
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



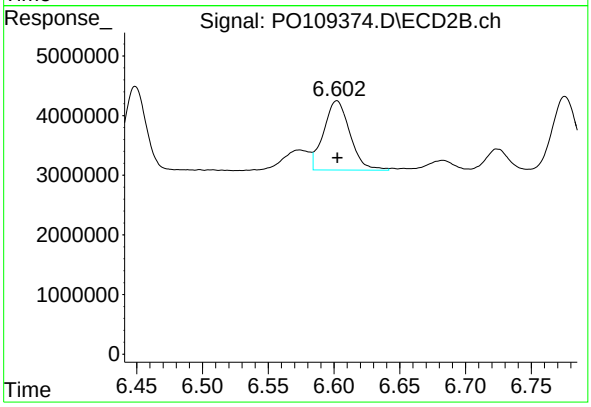
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 16016930
Conc: 55.73 ng/ml m



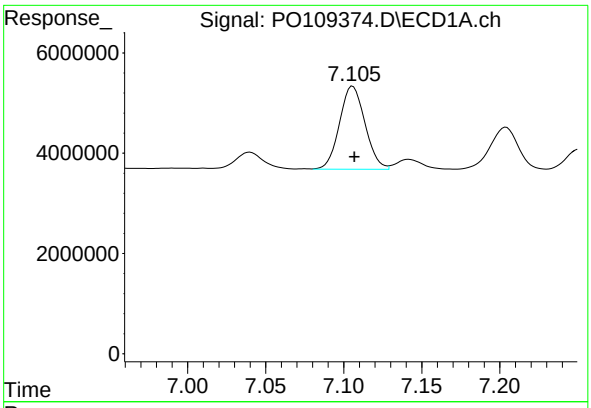
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: -0.001 min
Response: 21211144
Conc: 56.80 ng/ml



#33 AR-1260-3

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 16123864
Conc: 58.37 ng/ml



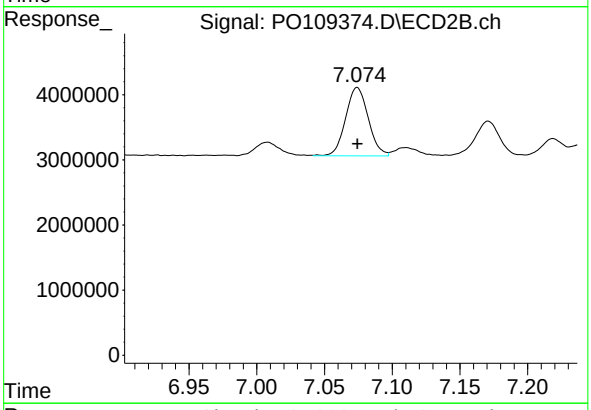
#34 AR-1260-4

R.T.: 7.106 min
Delta R.T.: -0.001 min
Response: 18843533
Conc: 54.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

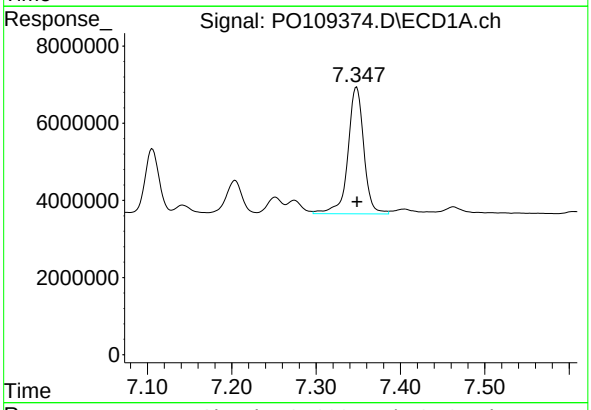
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



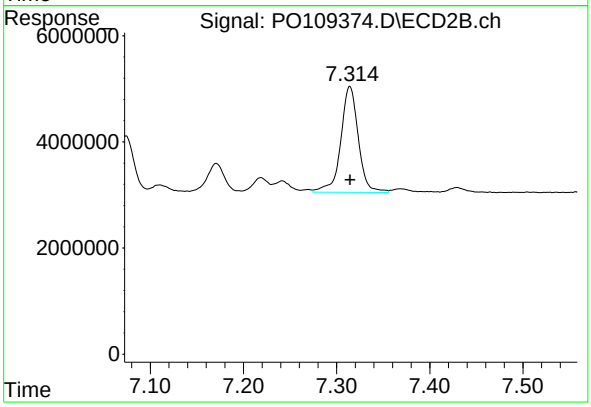
#34 AR-1260-4

R.T.: 7.074 min
Delta R.T.: 0.000 min
Response: 12282021
Conc: 56.96 ng/ml



#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: 0.000 min
Response: 43121792
Conc: 53.26 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 26081465
Conc: 53.68 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:49
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: Feb 07 05:33:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 07 05:32:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	366.0E6	272.8E6	50.000	50.000
2)	SA Decachlor...	8.758	8.709	305.9E6	147.6E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	3.912	3.906	48767159	32547222	500.000	500.000
9)	L2 AR-1221-2	3.999	3.992	36973639	24829154	500.000	500.000
10)	L2 AR-1221-3	4.075	4.068	103.7E6	73244337	500.000	500.000

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

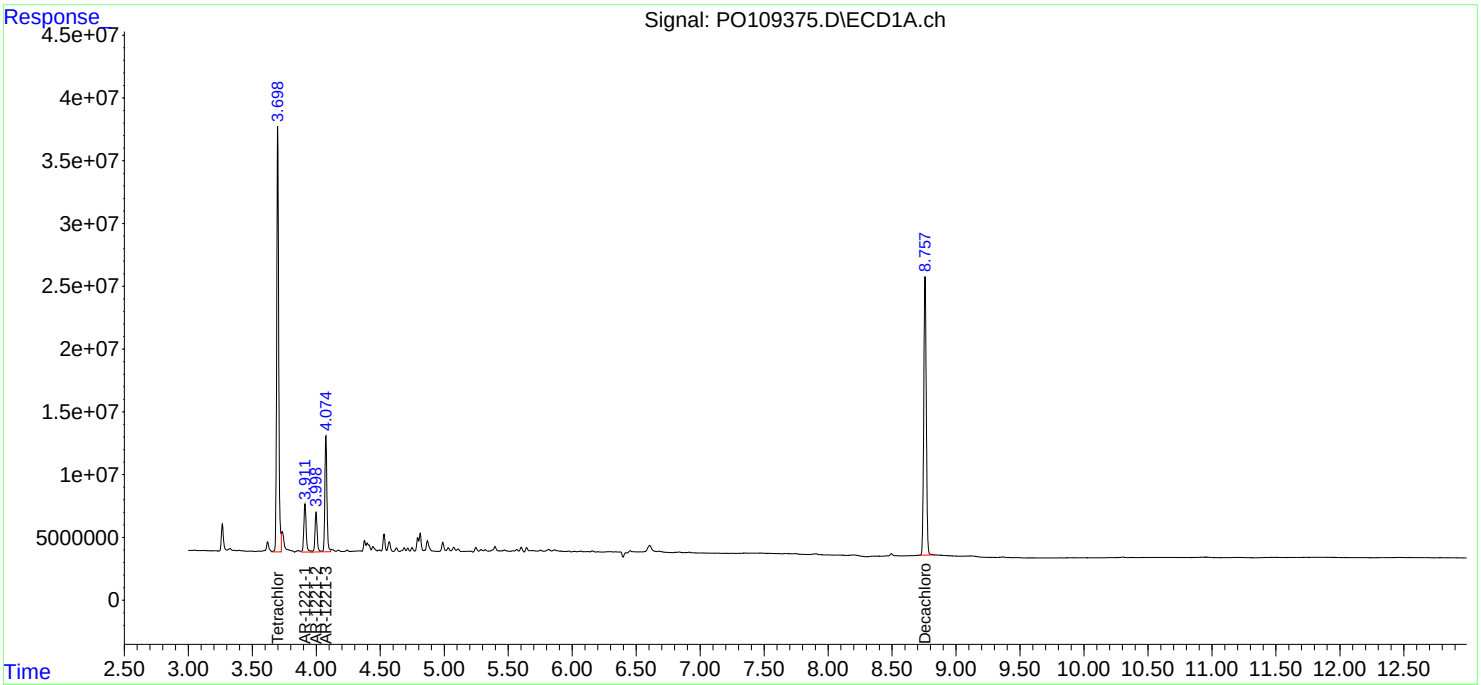
ICAL Form

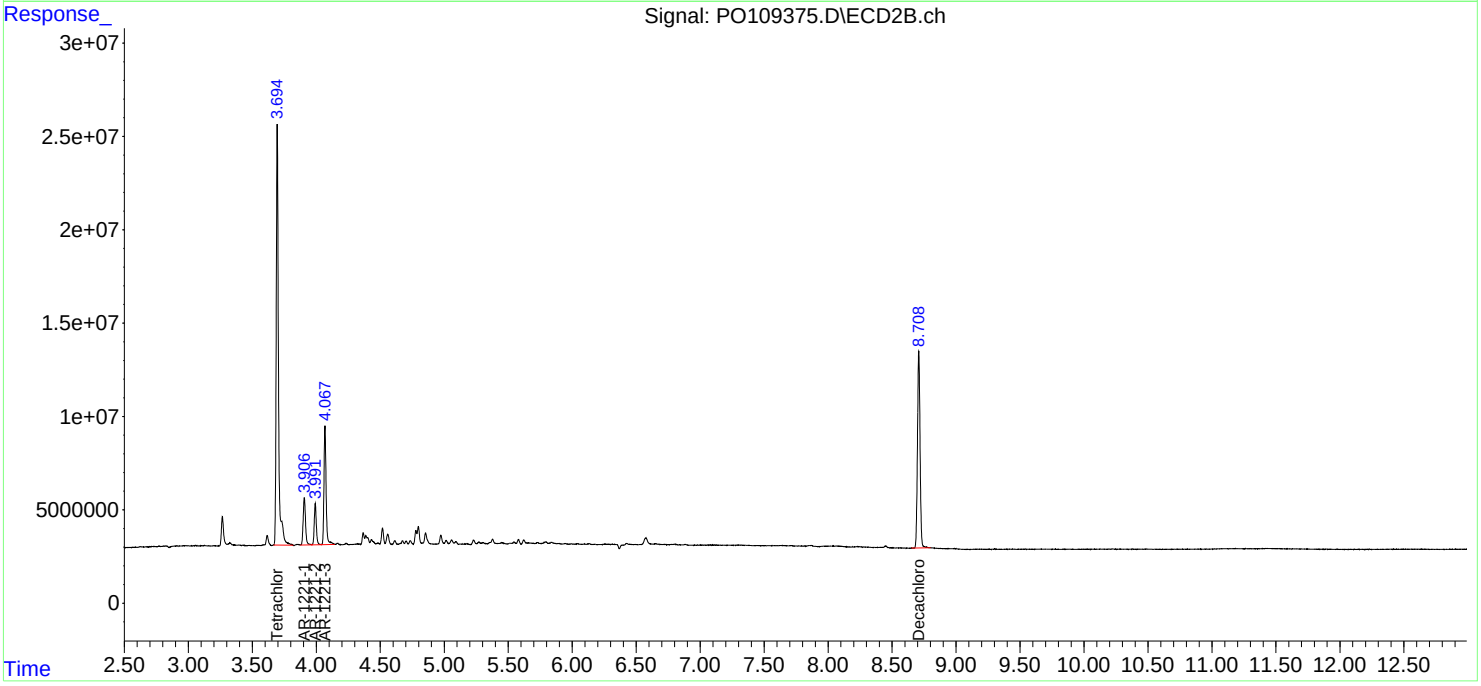
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:49
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

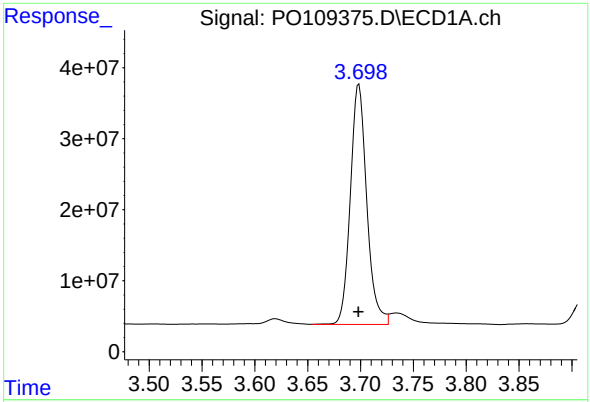
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 07 05:33:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 07 05:32:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



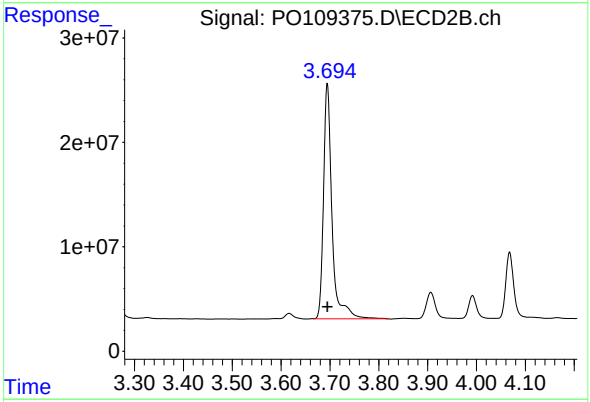




#1 Tetrachloro-m-xylene

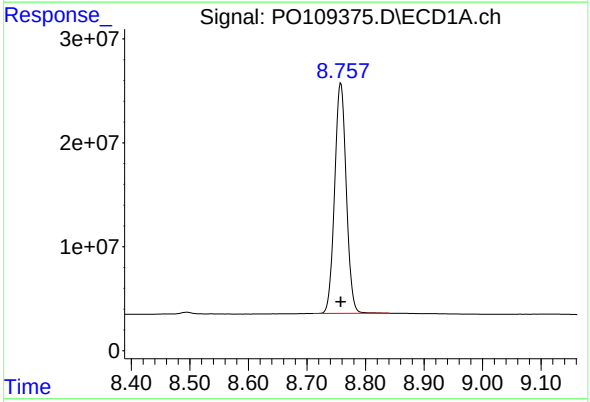
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 365967700
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



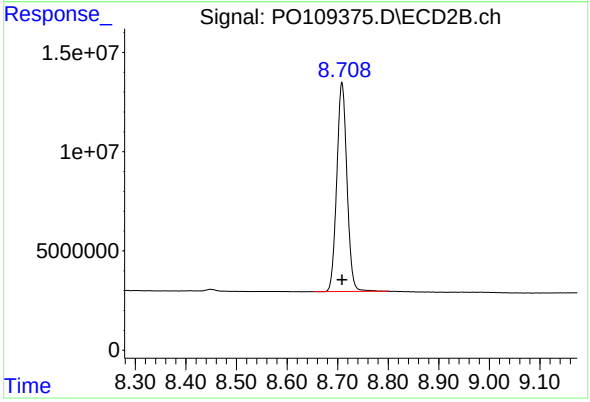
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 272755118
Conc: 50.00 ng/ml



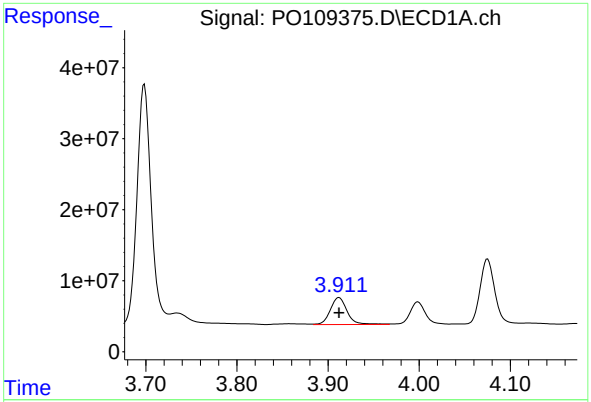
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 305923259
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

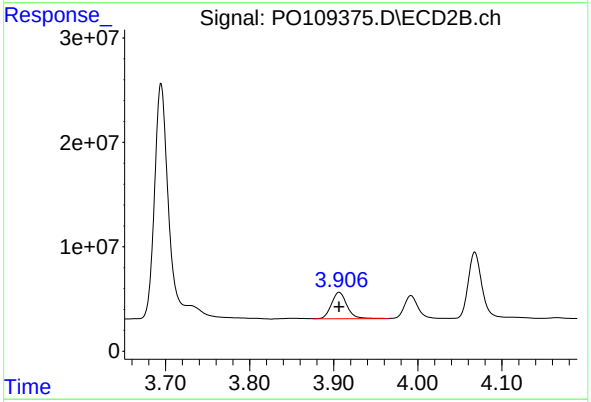
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 147587871
Conc: 50.00 ng/ml



#8 AR-1221-1

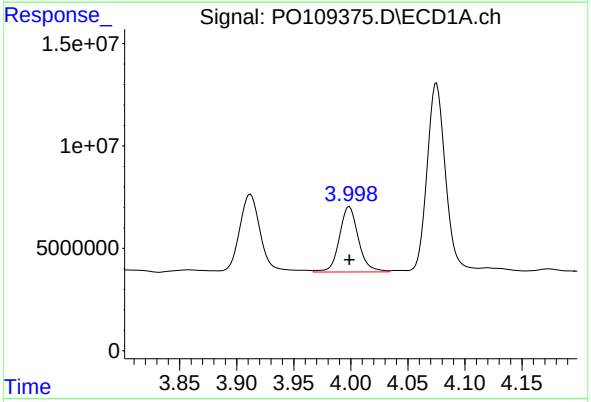
R.T.: 3.912 min
Delta R.T.: 0.000 min
Response: 48767159
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



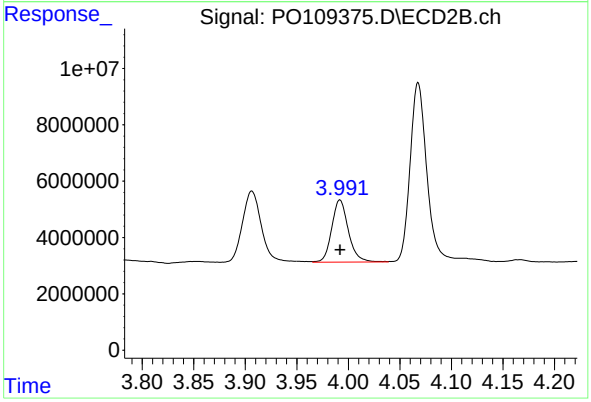
#8 AR-1221-1

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 32547222
Conc: 500.00 ng/ml



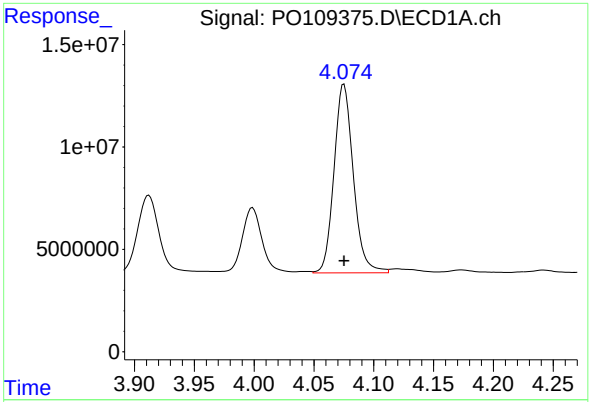
#9 AR-1221-2

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 36973639
Conc: 500.00 ng/ml



#9 AR-1221-2

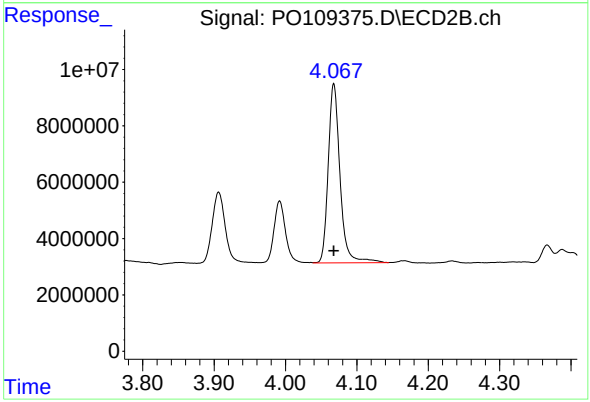
R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 24829154
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 103681058
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.068 min
Delta R.T.: 0.000 min
Response: 73244337
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:07
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: Feb 08 02:35:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Feb 08 02:34:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.695	360.3E6	262.4E6	50.000	50.000
2)	SA Decachlor...	8.758	8.707	297.9E6	143.1E6	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.074	4.067	82816506	57354606	500.000	500.000
12)	L3 AR-1232-2	4.570	4.798	45086238	53725368	500.000	500.000
13)	L3 AR-1232-3	4.812	4.973	79856244	29559499	500.000	500.000
14)	L3 AR-1232-4	4.989	5.058	44465583	28067097	500.000	500.000
15)	L3 AR-1232-5	5.031	5.228	32306904	30039456	500.000	500.000

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

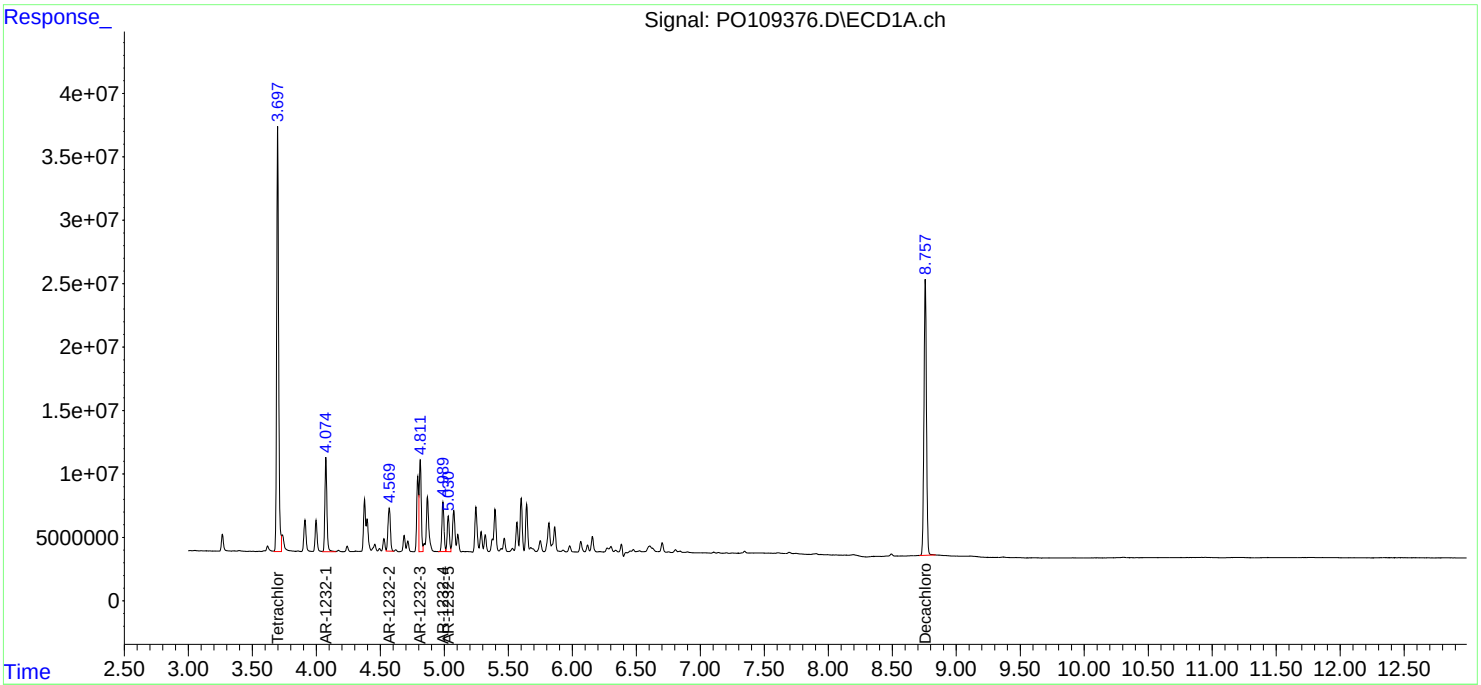
ICAL Form

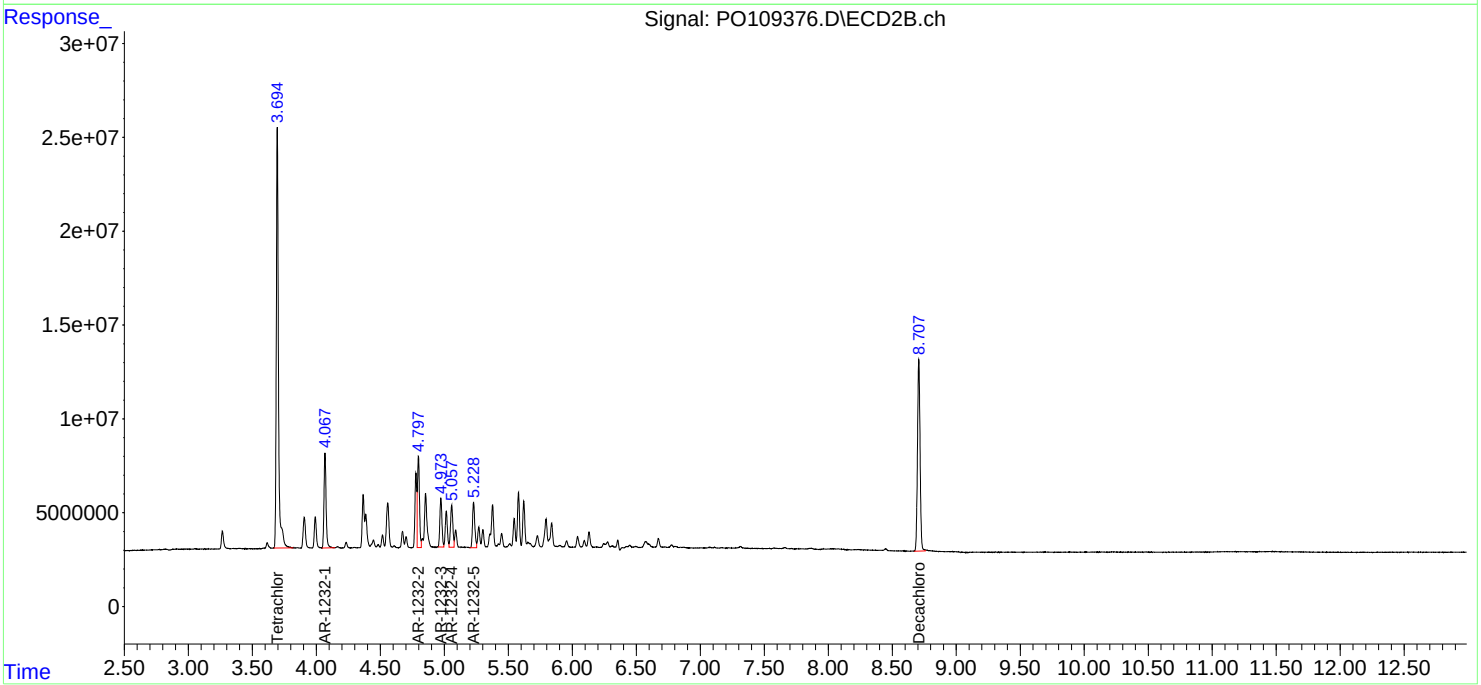
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:07
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

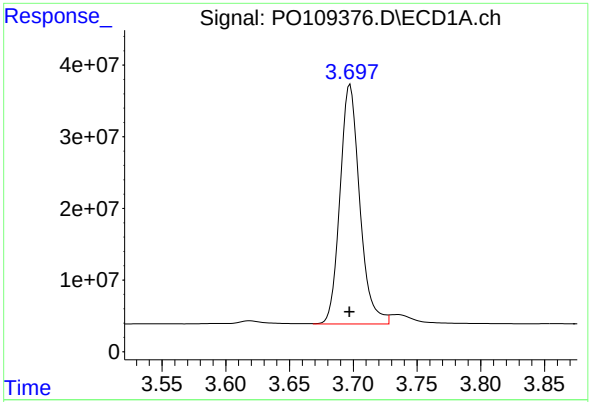
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 08 02:35:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Feb 08 02:34:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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



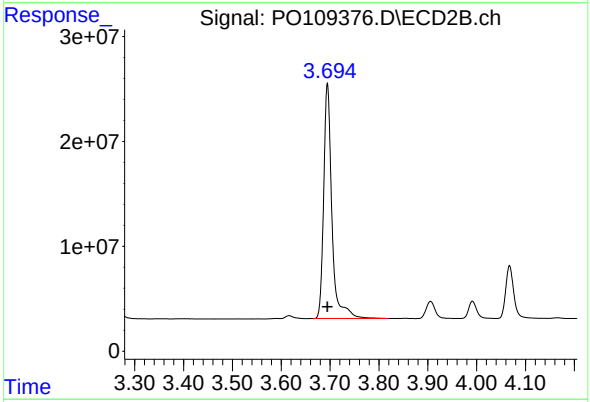




#1 Tetrachloro-m-xylene

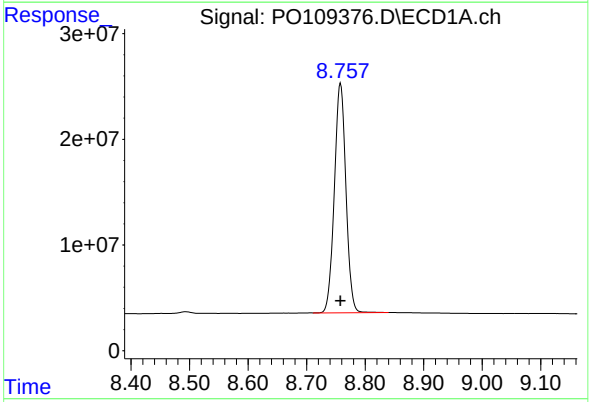
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 360339078
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



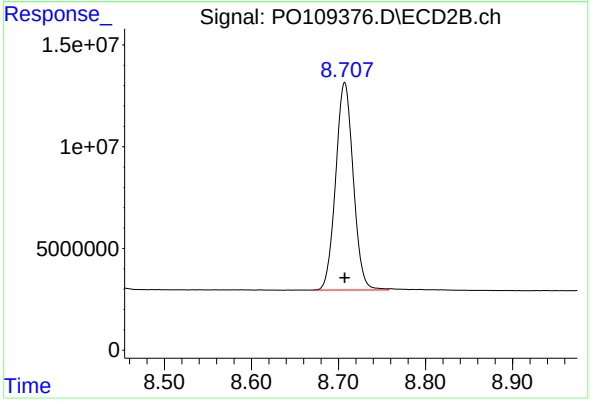
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 262407768
Conc: 50.00 ng/ml



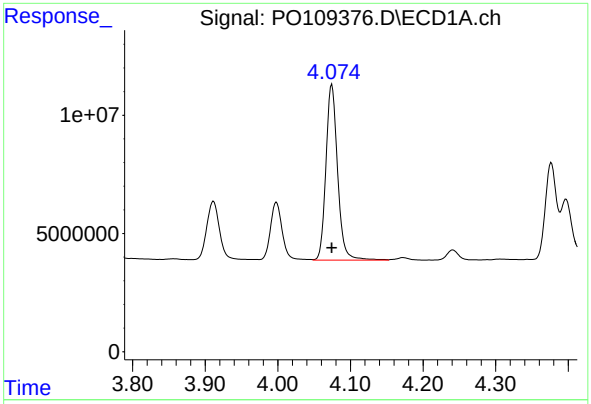
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 297939069
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

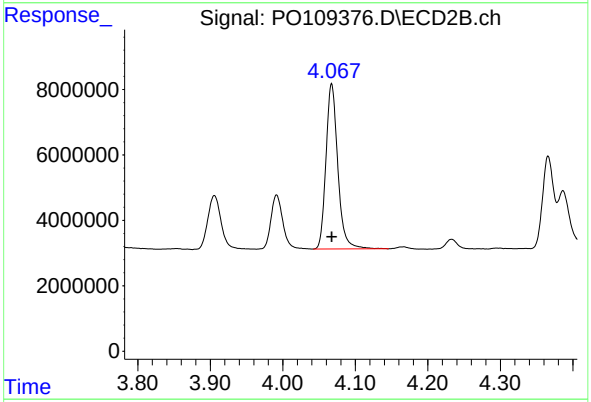
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 143076095
Conc: 50.00 ng/ml



#11 AR-1232-1

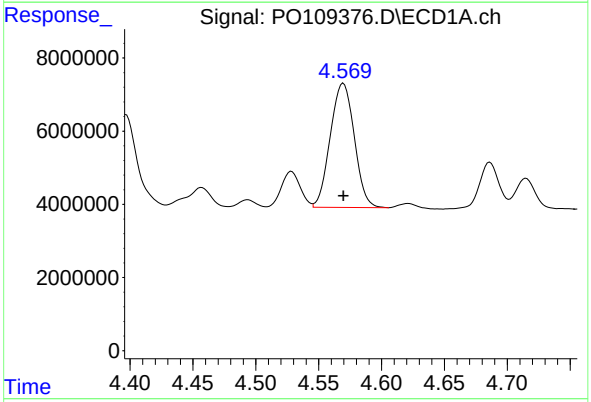
R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 82816506
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



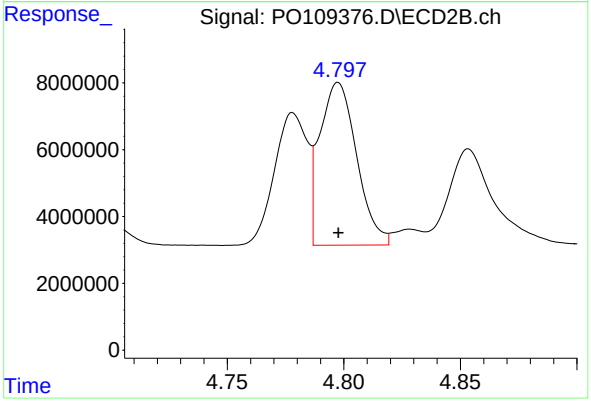
#11 AR-1232-1

R.T.: 4.067 min
Delta R.T.: 0.000 min
Response: 57354606
Conc: 500.00 ng/ml



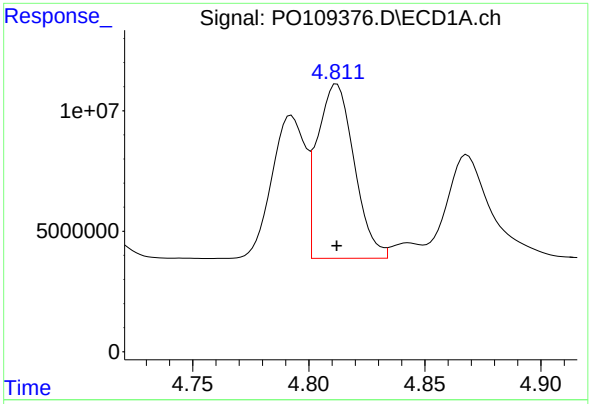
#12 AR-1232-2

R.T.: 4.570 min
Delta R.T.: 0.000 min
Response: 45086238
Conc: 500.00 ng/ml



#12 AR-1232-2

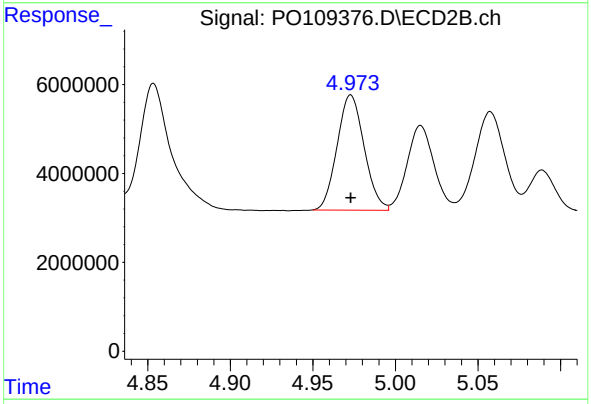
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 53725368
Conc: 500.00 ng/ml



#13 AR-1232-3

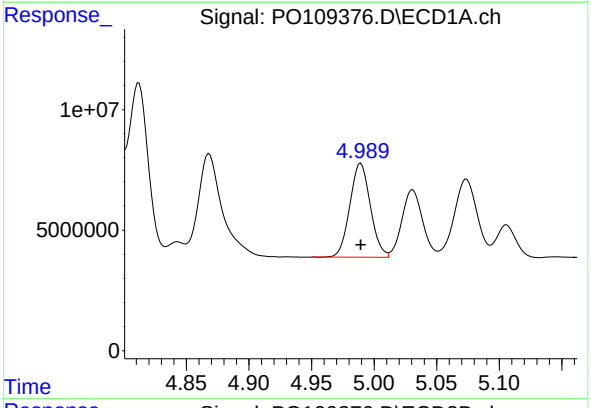
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 79856244
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



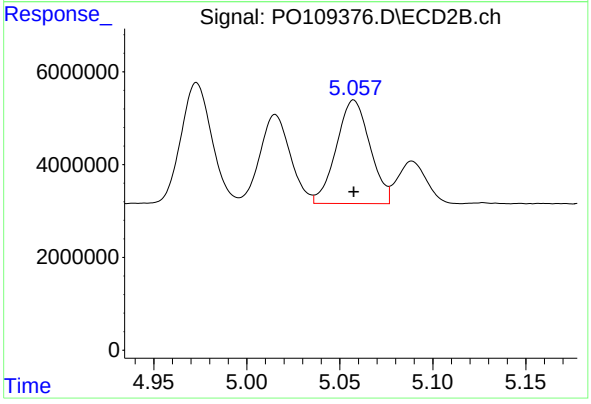
#13 AR-1232-3

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 29559499
Conc: 500.00 ng/ml



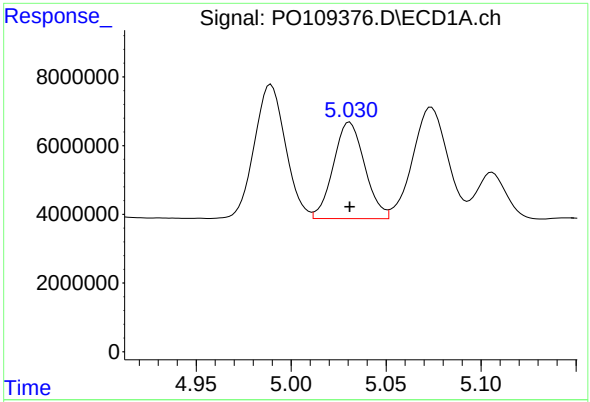
#14 AR-1232-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 44465583
Conc: 500.00 ng/ml



#14 AR-1232-4

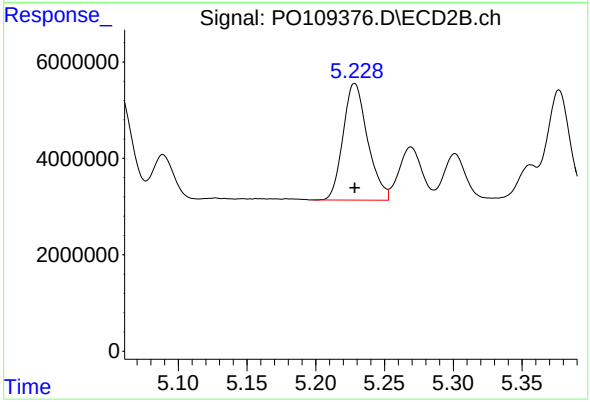
R.T.: 5.058 min
Delta R.T.: 0.000 min
Response: 28067097
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.031 min
Delta R.T.: 0.000 min
Response: 32306904
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 30039456
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:25
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: Feb 03 23:06:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	725.7E6	502.6E6	95.443	95.737
2)	SA Decachlor...	8.758	8.708	564.7E6	268.2E6	93.382	90.492
	Target Compounds						
16)	L4 AR-1242-1	4.794	4.780	197.3E6	128.2E6	929.855	914.422
17)	L4 AR-1242-2	4.813	4.799	265.8E6	180.1E6	923.457	928.672
18)	L4 AR-1242-3	4.869	4.975	185.1E6	98415916	912.938	922.478
19)	L4 AR-1242-4	4.990	5.059	146.7E6	99499055	922.891	902.793
20)	L4 AR-1242-5	5.644	5.581	153.2E6	121.0E6	927.514	911.175

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

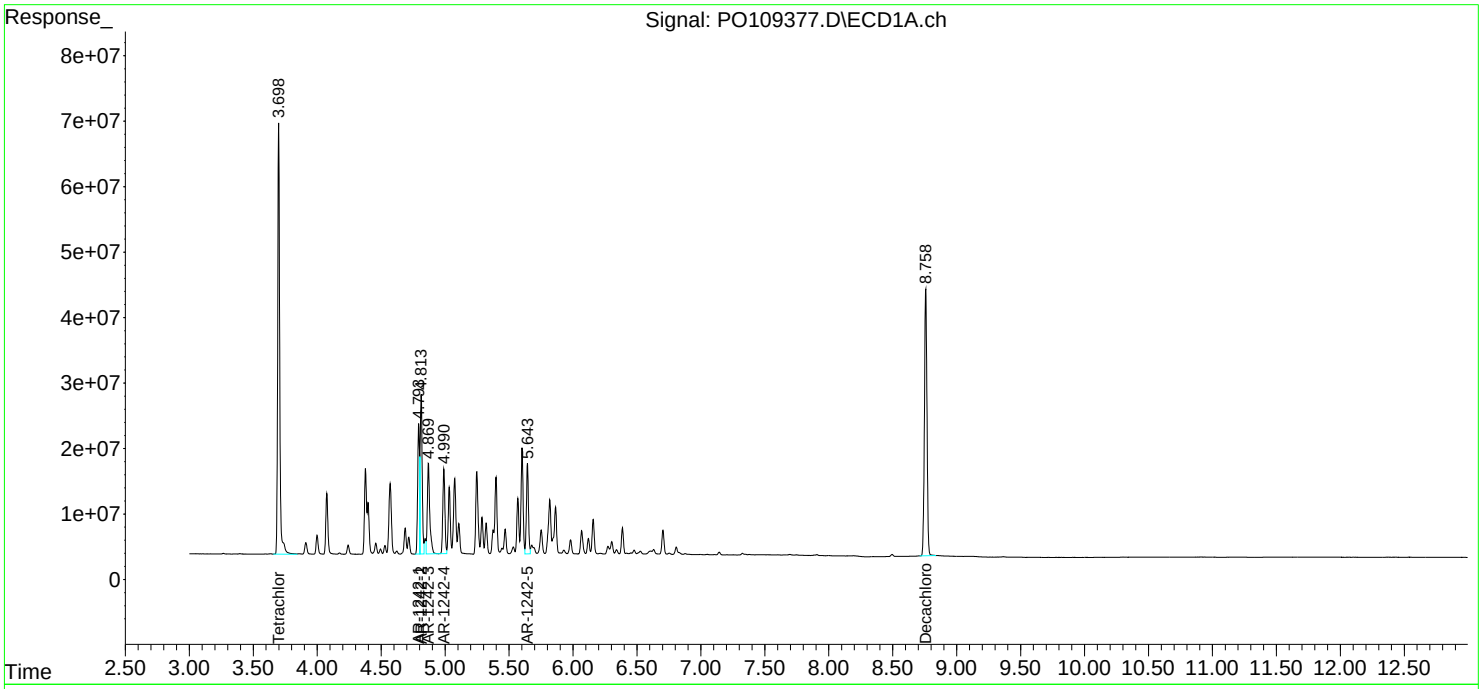
ICAL Form

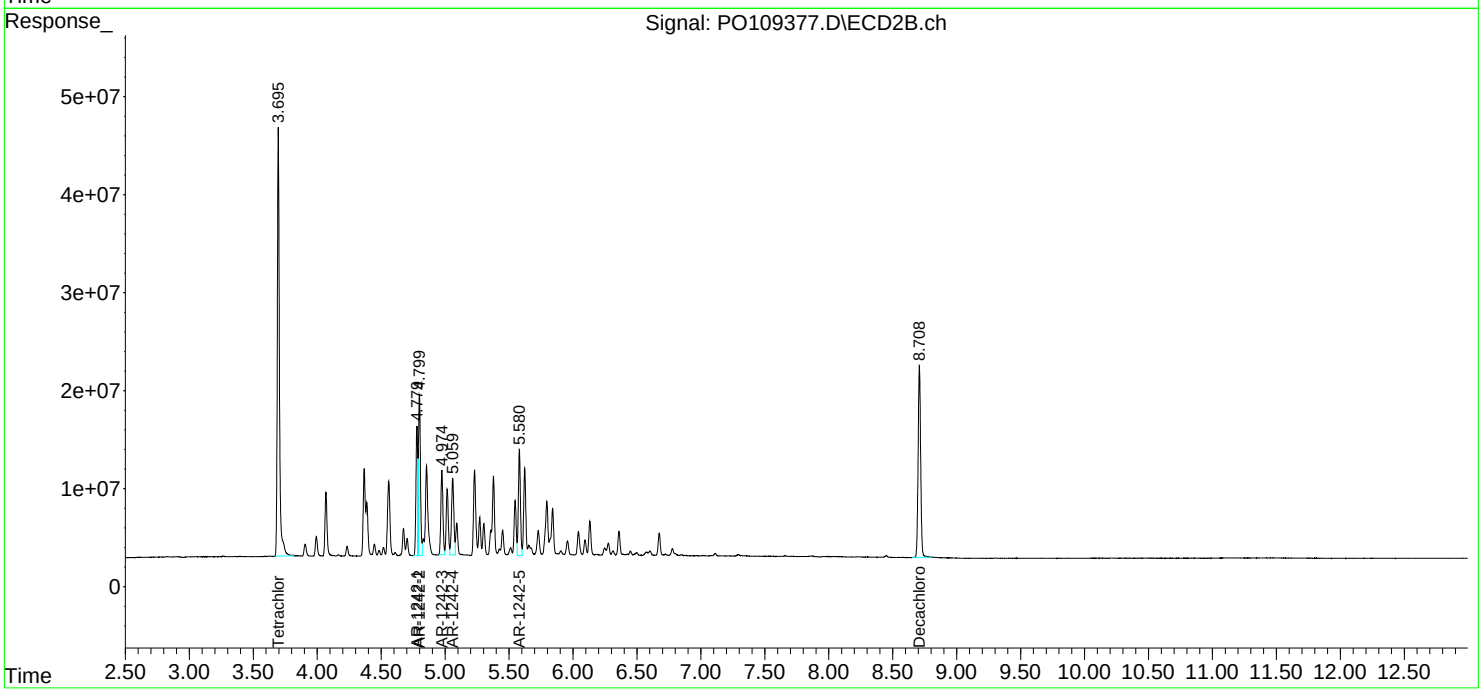
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:25
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

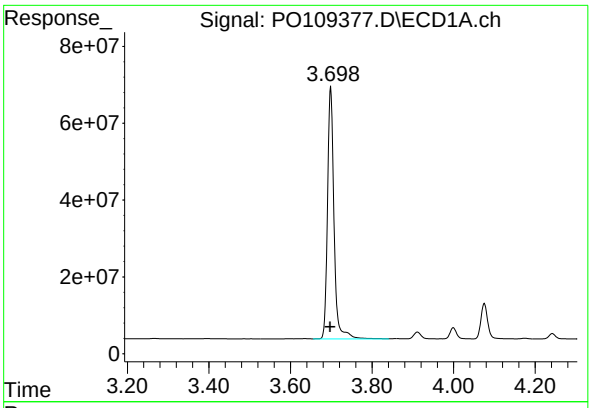
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 23:06:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



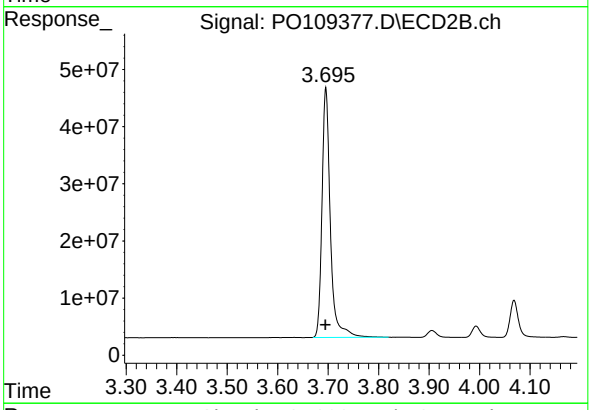




#1 Tetrachloro-m-xylene

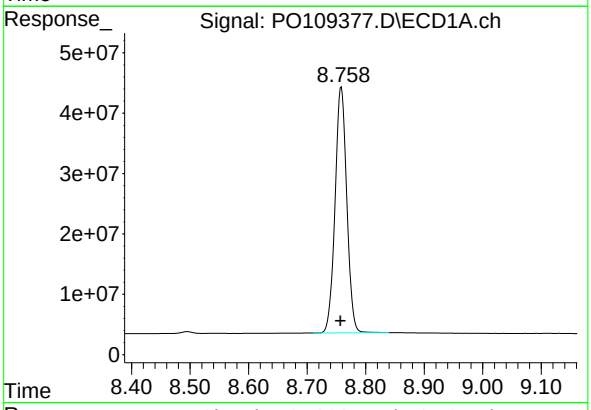
R.T.: 3.699 min
Delta R.T.: 0.002 min
Response: 725695073
Conc: 95.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



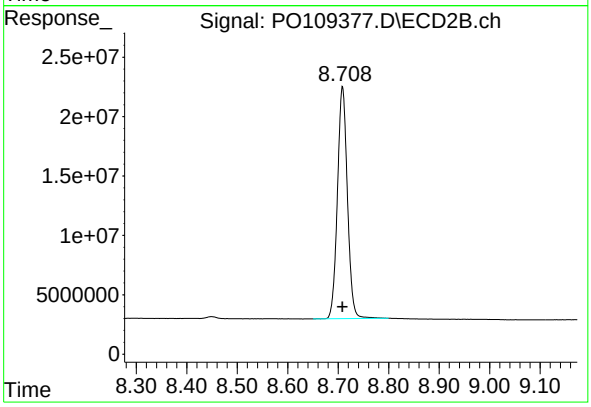
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: 0.001 min
Response: 502557402
Conc: 95.74 ng/ml



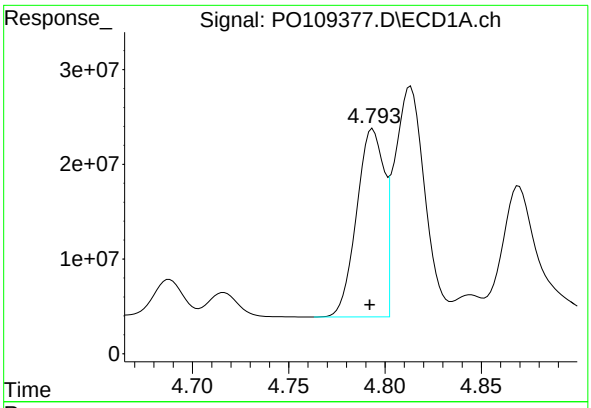
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.001 min
Response: 564731373
Conc: 93.38 ng/ml



#2 Decachlorobiphenyl

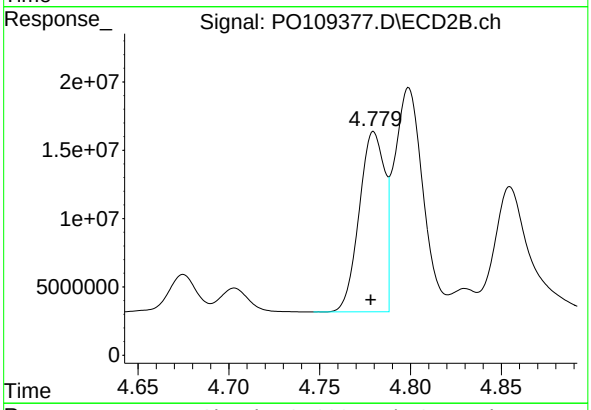
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 268158816
Conc: 90.49 ng/ml



#16 AR-1242-1

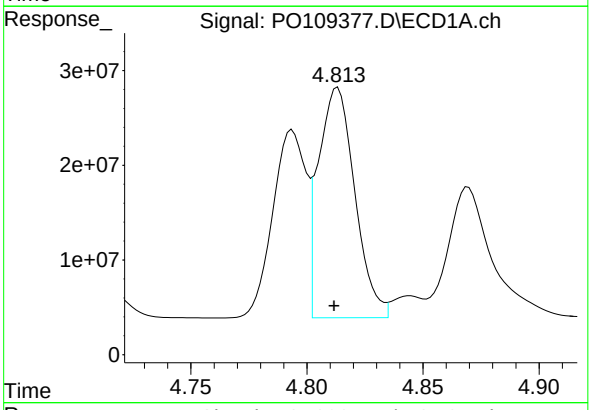
R.T.: 4.794 min
Delta R.T.: 0.002 min
Response: 197334599
Conc: 929.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



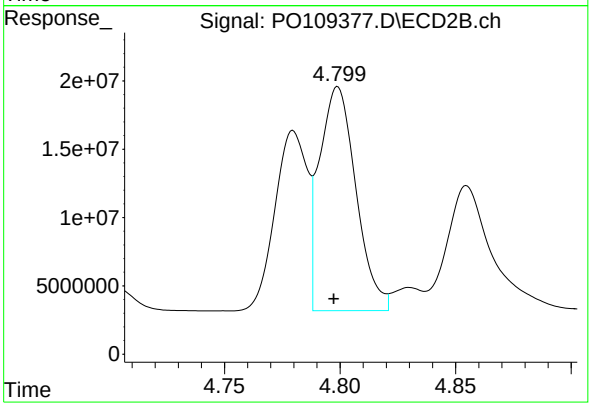
#16 AR-1242-1

R.T.: 4.780 min
Delta R.T.: 0.002 min
Response: 128201947
Conc: 914.42 ng/ml



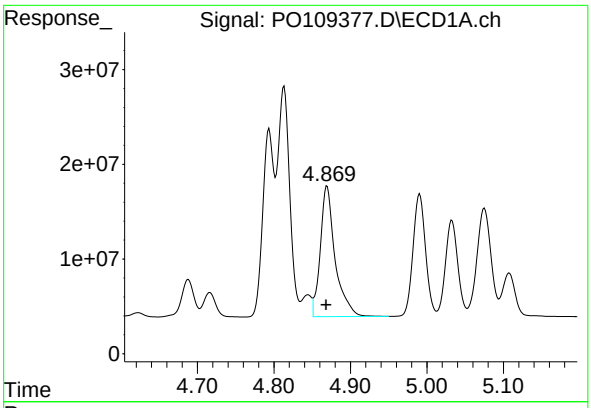
#17 AR-1242-2

R.T.: 4.813 min
Delta R.T.: 0.002 min
Response: 265786510
Conc: 923.46 ng/ml



#17 AR-1242-2

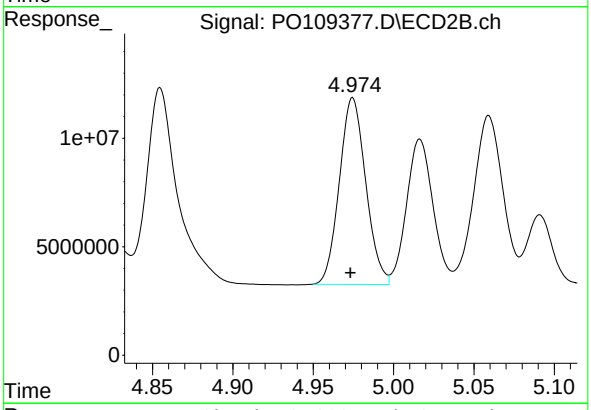
R.T.: 4.799 min
Delta R.T.: 0.002 min
Response: 180116057
Conc: 928.67 ng/ml



#18 AR-1242-3

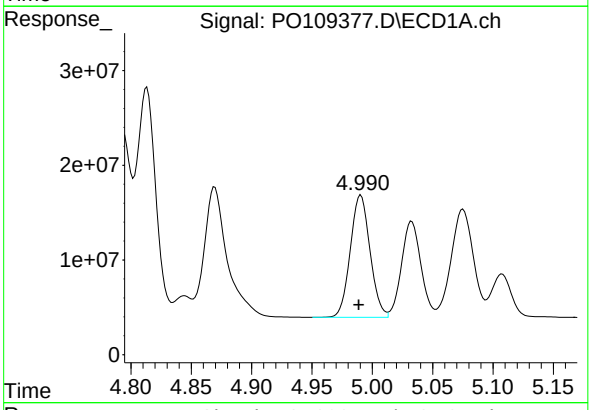
R.T.: 4.869 min
Delta R.T.: 0.001 min
Response: 185058250
Conc: 912.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



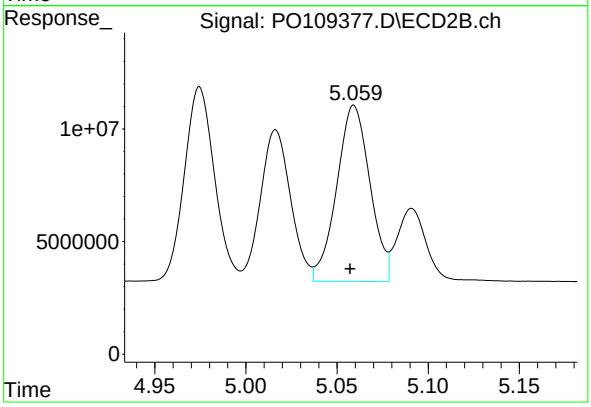
#18 AR-1242-3

R.T.: 4.975 min
Delta R.T.: 0.001 min
Response: 98415916
Conc: 922.48 ng/ml



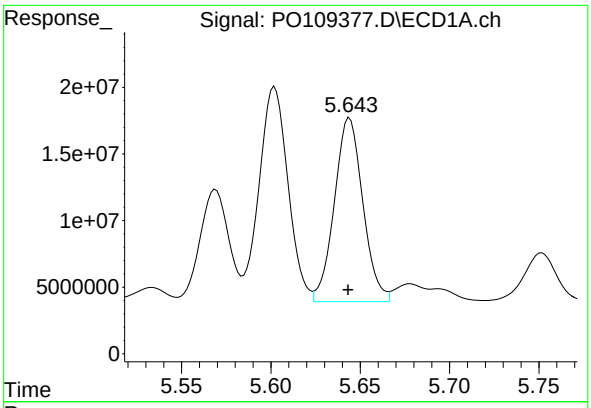
#19 AR-1242-4

R.T.: 4.990 min
Delta R.T.: 0.002 min
Response: 146700154
Conc: 922.89 ng/ml



#19 AR-1242-4

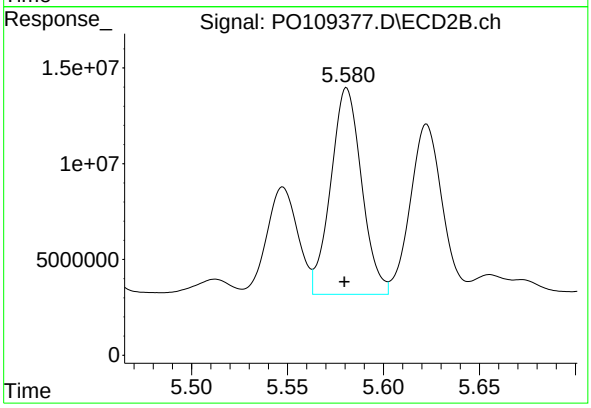
R.T.: 5.059 min
Delta R.T.: 0.002 min
Response: 99499055
Conc: 902.79 ng/ml



#20 AR-1242-5

R.T.: 5.644 min
Delta R.T.: 0.000 min
Response: 153223867
Conc: 927.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.581 min
Delta R.T.: 0.001 min
Response: 120970385
Conc: 911.18 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:44
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: Feb 03 23:06:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	560.3E6	387.9E6	73.695	73.888
2)	SA Decachlor...	8.758	8.708	438.8E6	210.4E6	72.557	71.008
	Target Compounds						
16)	L4 AR-1242-1	4.793	4.780	153.7E6	100.5E6	724.269	716.831
17)	L4 AR-1242-2	4.813	4.799	208.8E6	141.0E6	725.386	726.955
18)	L4 AR-1242-3	4.869	4.974	145.9E6	77146565	719.902	723.114
19)	L4 AR-1242-4	4.989	5.058	115.6E6	78423387	726.982	711.566
20)	L4 AR-1242-5	5.644	5.580	119.8E6	94922039	725.370	714.974

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

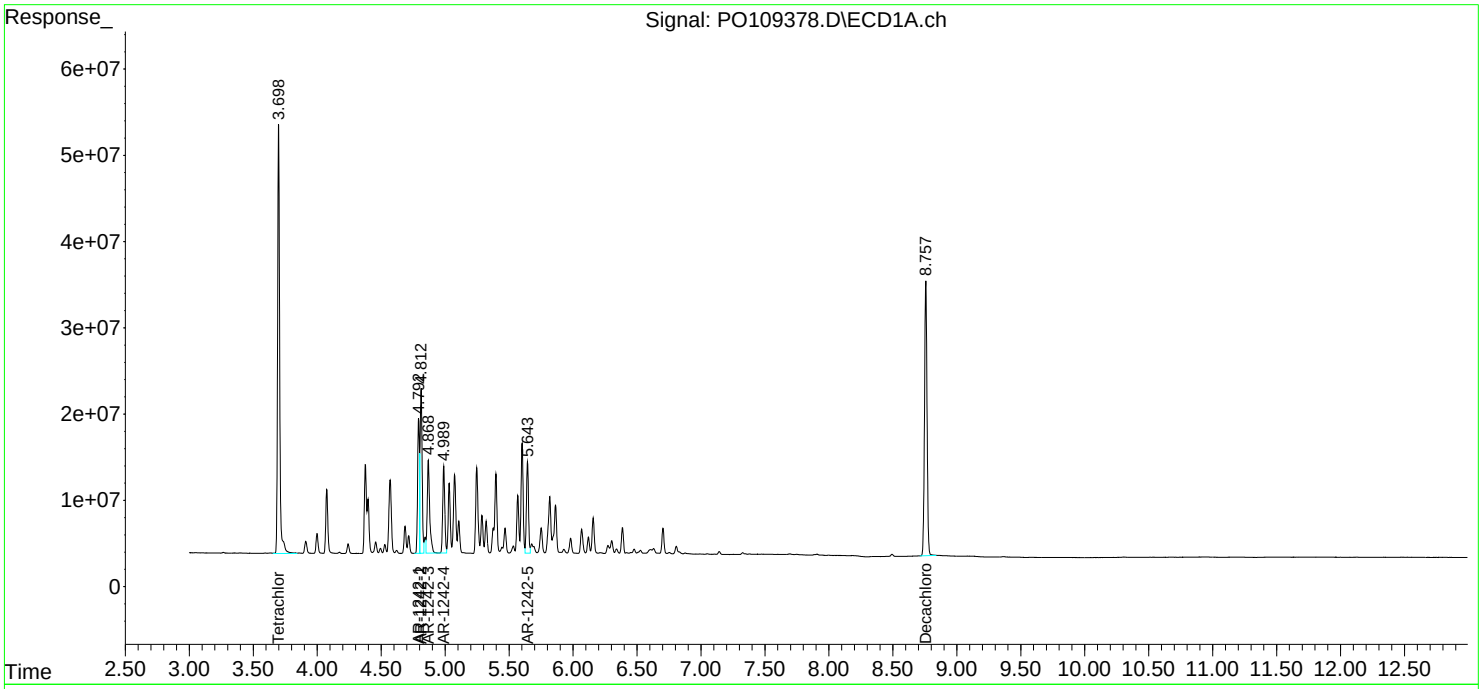
ICAL Form

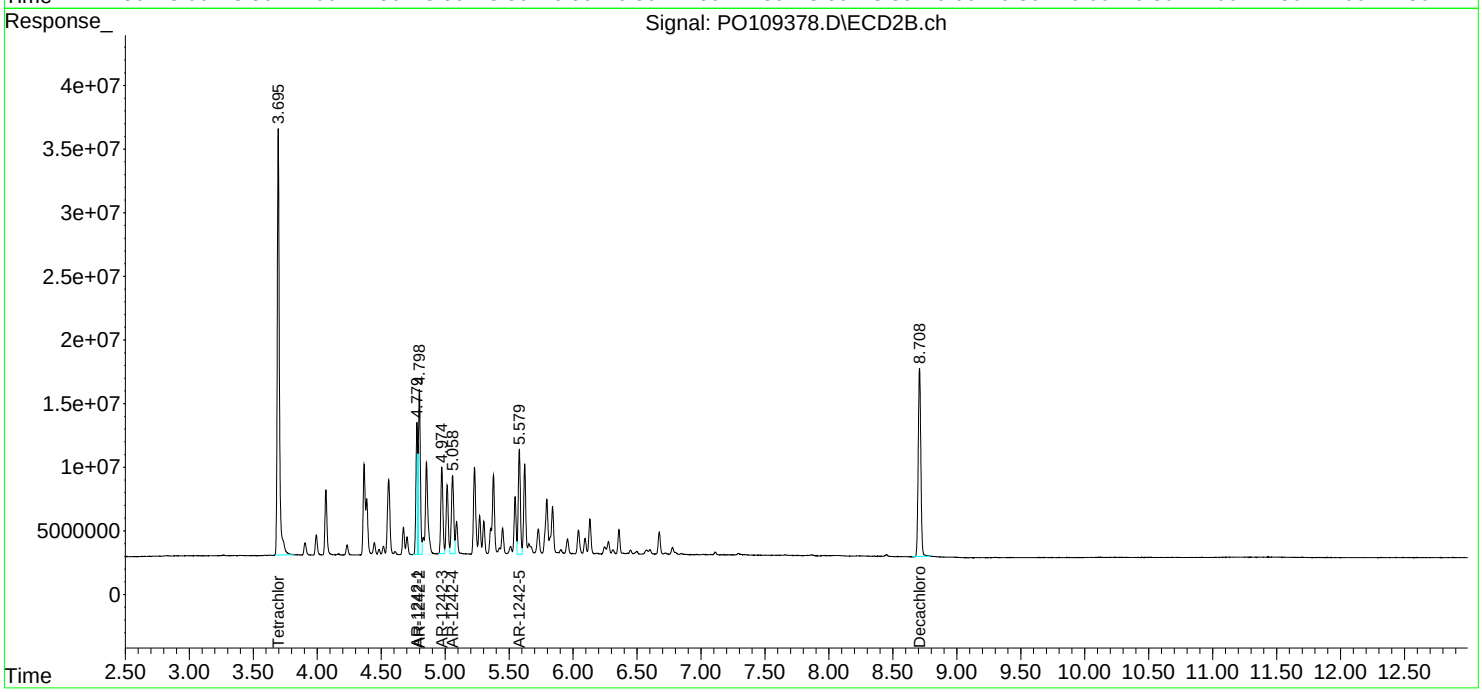
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:44
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

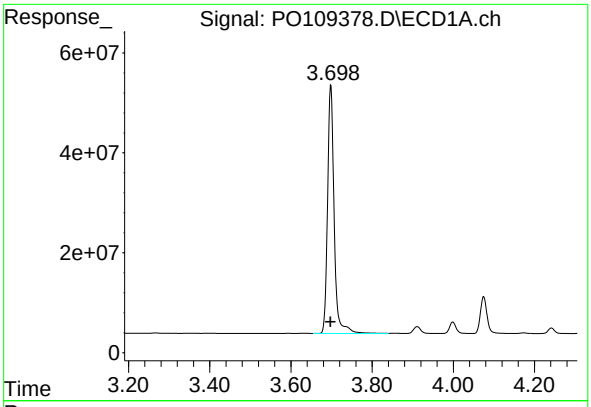
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 23:06:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



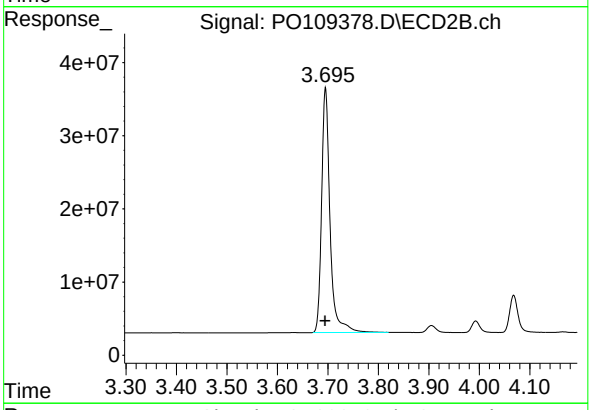




#1 Tetrachloro-m-xylene

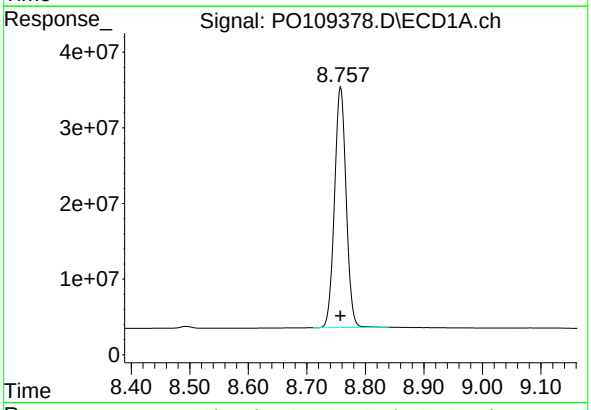
R.T.: 3.698 min
Delta R.T.: 0.001 min
Response: 560337312
Conc: 73.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



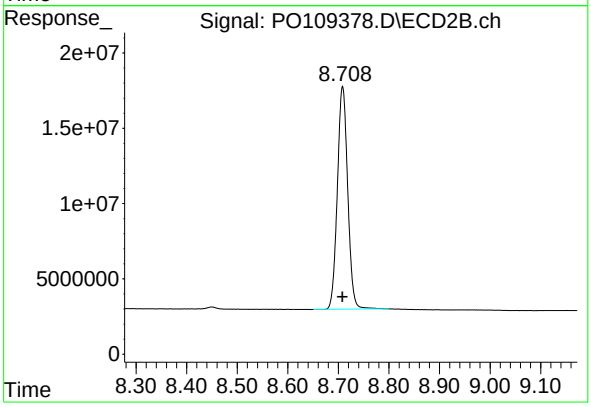
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 387860898
Conc: 73.89 ng/ml



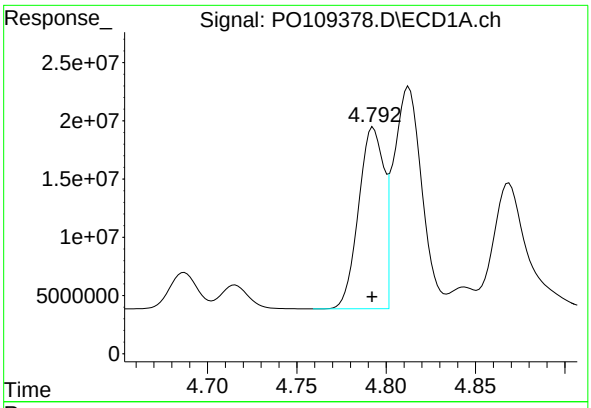
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 438790474
Conc: 72.56 ng/ml



#2 Decachlorobiphenyl

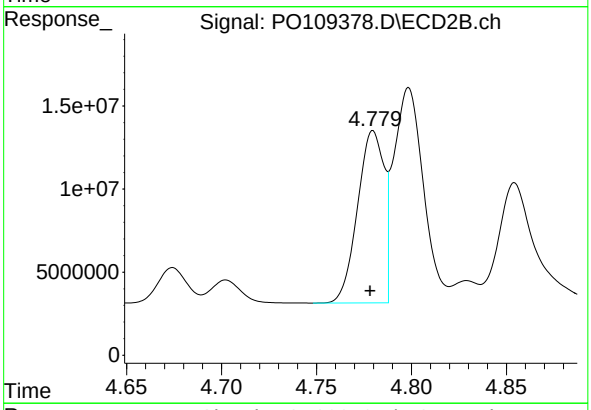
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 210420383
Conc: 71.01 ng/ml



#16 AR-1242-1

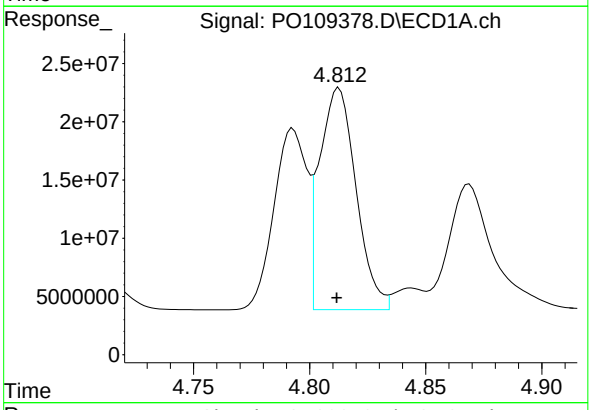
R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 153705109
Conc: 724.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



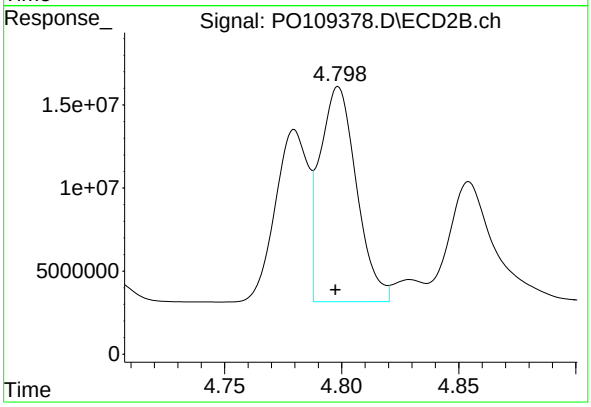
#16 AR-1242-1

R.T.: 4.780 min
Delta R.T.: 0.002 min
Response: 100499684
Conc: 716.83 ng/ml



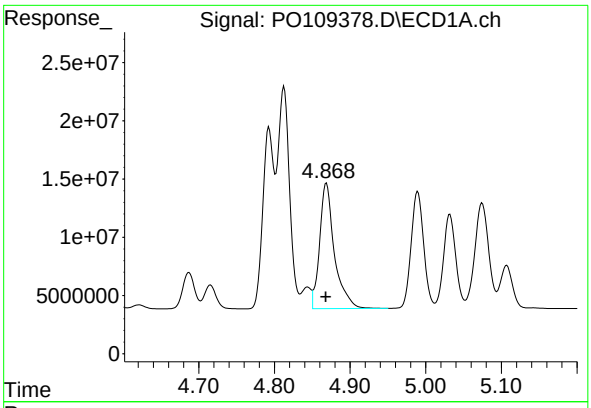
#17 AR-1242-2

R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 208778358
Conc: 725.39 ng/ml



#17 AR-1242-2

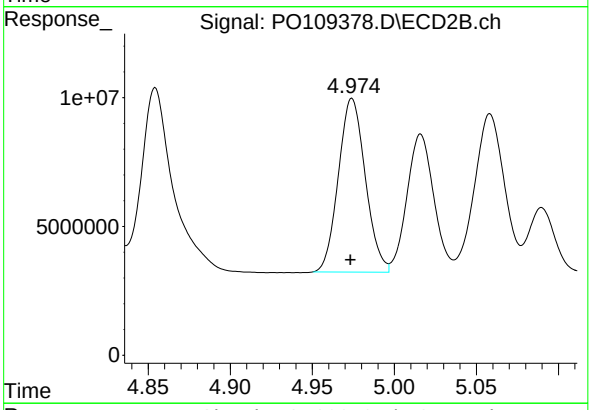
R.T.: 4.799 min
Delta R.T.: 0.001 min
Response: 140993128
Conc: 726.96 ng/ml



#18 AR-1242-3

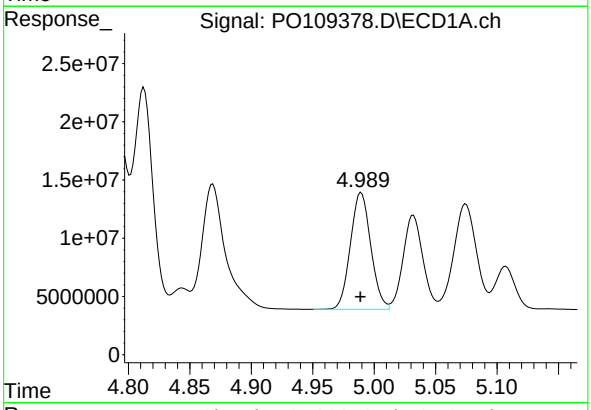
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 145928547
Conc: 719.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



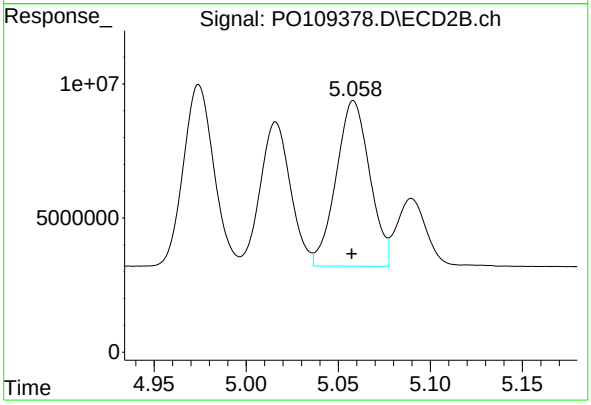
#18 AR-1242-3

R.T.: 4.974 min
Delta R.T.: 0.001 min
Response: 77146565
Conc: 723.11 ng/ml



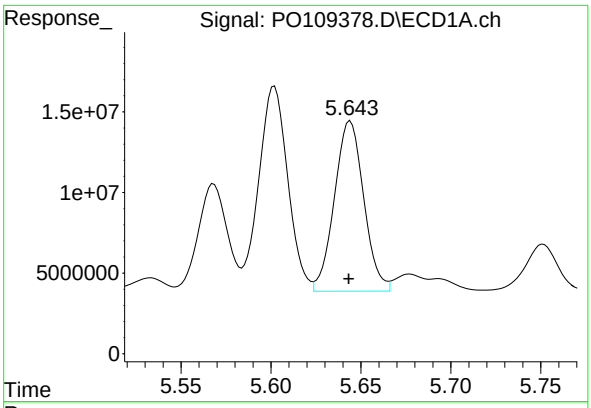
#19 AR-1242-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 115559013
Conc: 726.98 ng/ml



#19 AR-1242-4

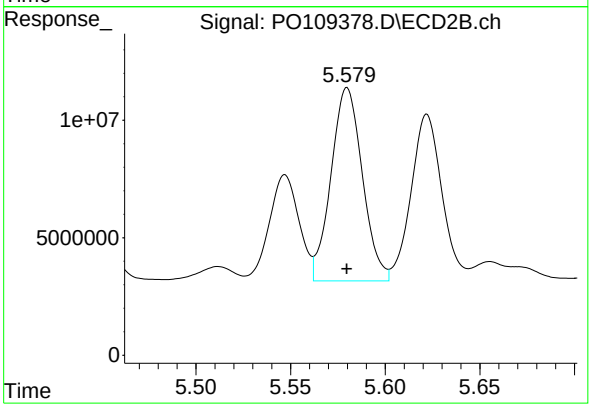
R.T.: 5.058 min
Delta R.T.: 0.000 min
Response: 78423387
Conc: 711.57 ng/ml



#20 AR-1242-5

R.T.: 5.644 min
Delta R.T.: 0.000 min
Response: 119829894
Conc: 725.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.580 min
Delta R.T.: 0.000 min
Response: 94922039
Conc: 714.97 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:02
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: Feb 03 23:06:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	380.2E6	262.5E6	50.000	50.000
2)	SA Decachlor...	8.757	8.708	302.4E6	148.2E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.792	4.778	106.1E6	70099993	500.000	500.000
17)	L4 AR-1242-2	4.812	4.797	143.9E6	96975081	500.000	500.000
18)	L4 AR-1242-3	4.868	4.973	101.4E6	53343259	500.000	500.000
19)	L4 AR-1242-4	4.989	5.057	79478620	55106230	500.000	500.000
20)	L4 AR-1242-5	5.643	5.580	82599200	66381498	500.000	500.000

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

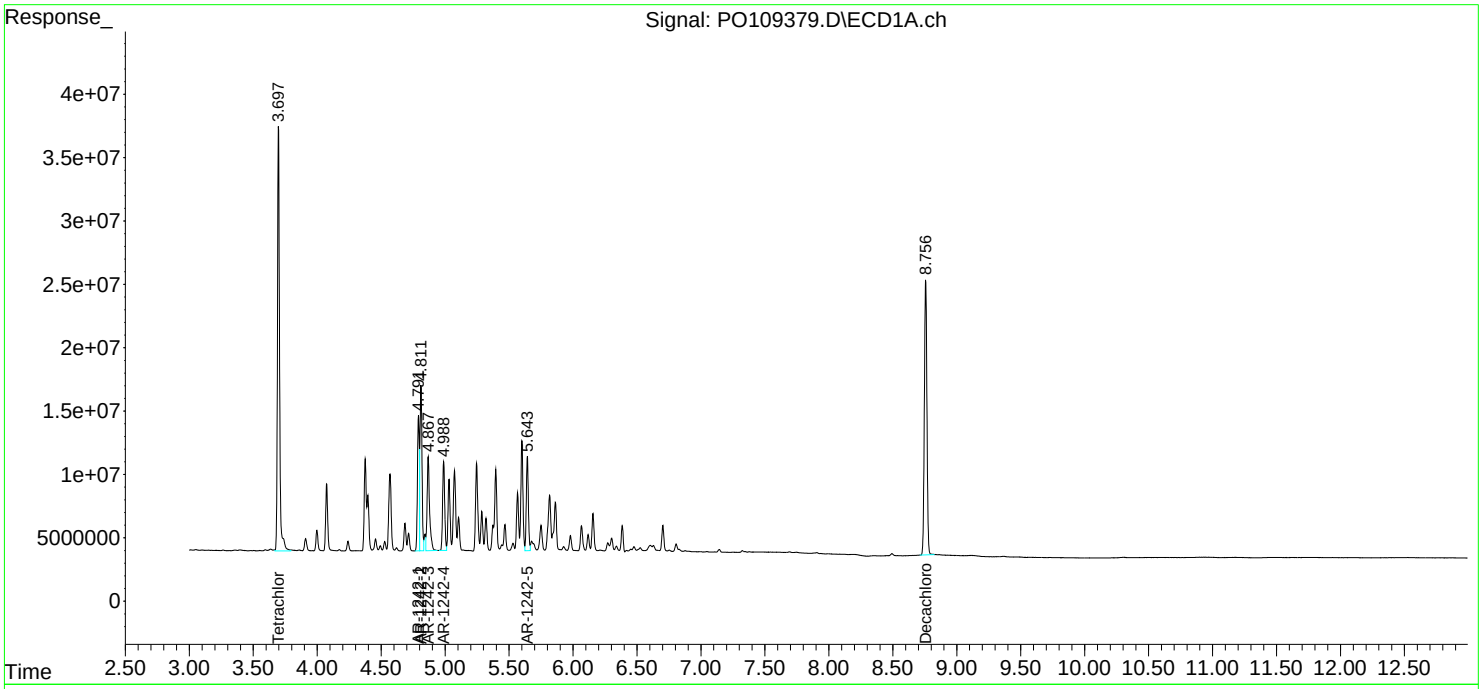
ICAL Form

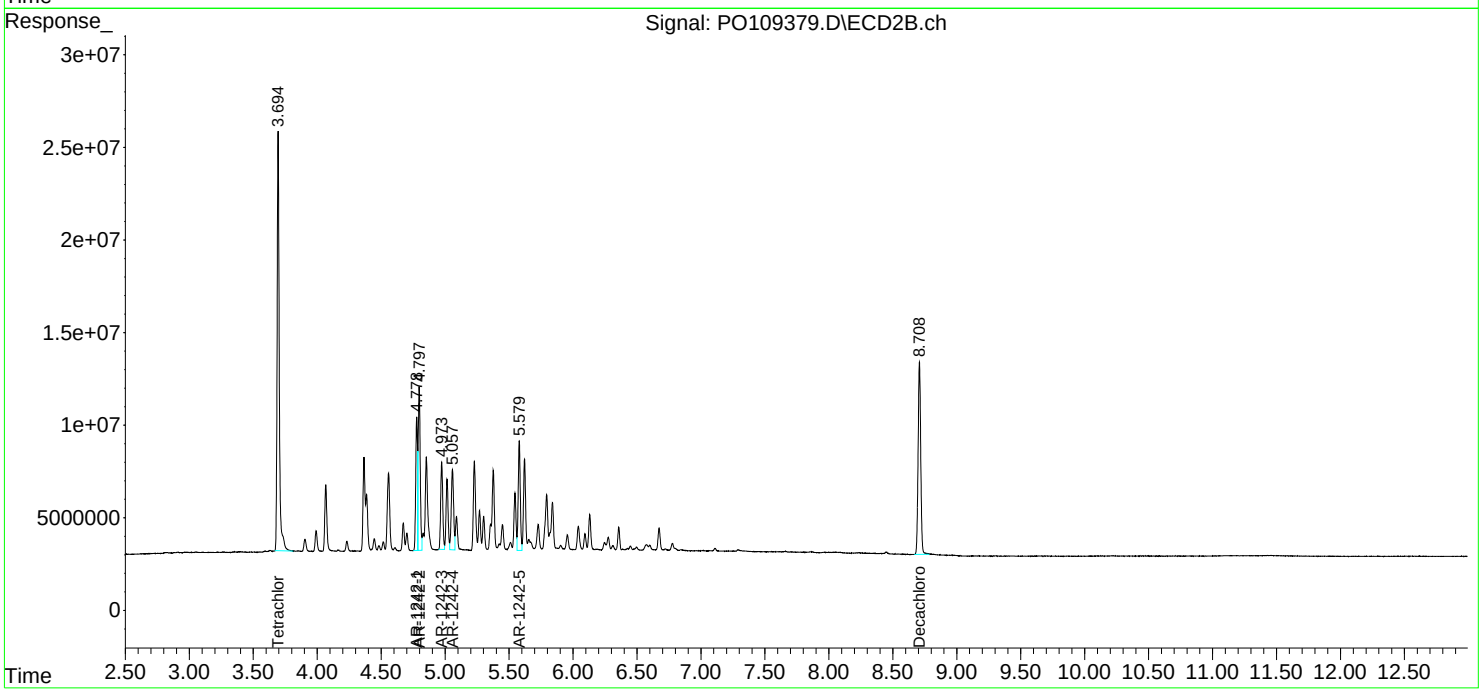
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:02
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

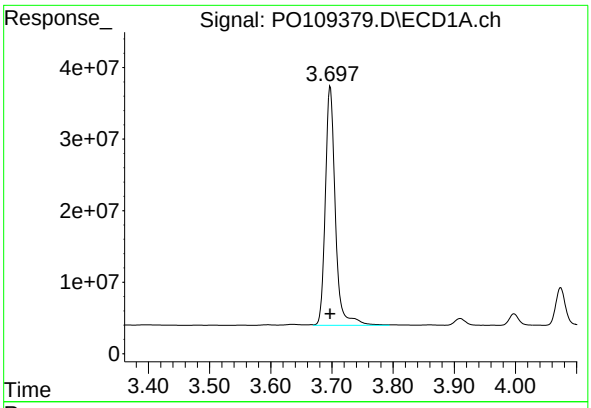
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 23:06:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



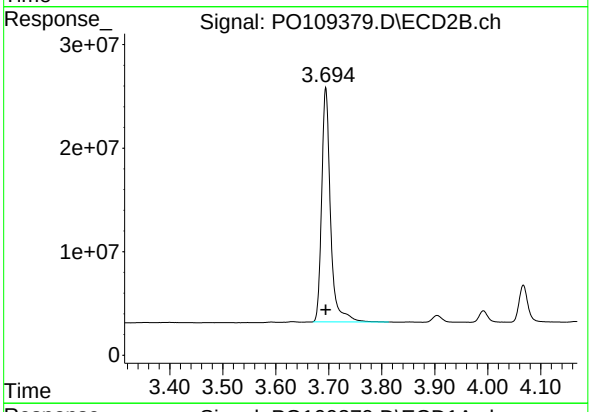




#1 Tetrachloro-m-xylene

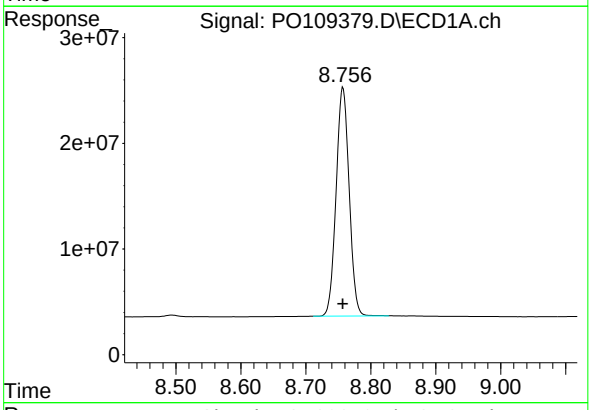
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 380172074
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



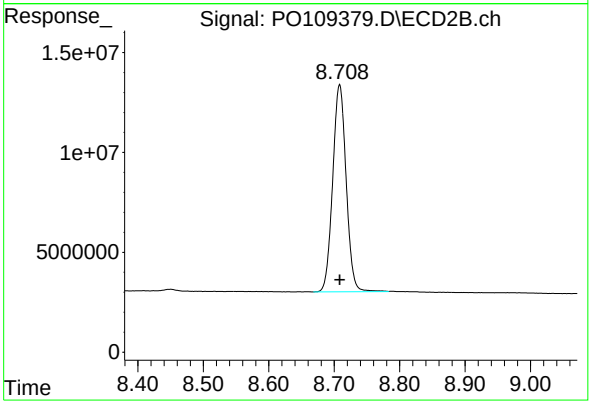
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 262467182
Conc: 50.00 ng/ml



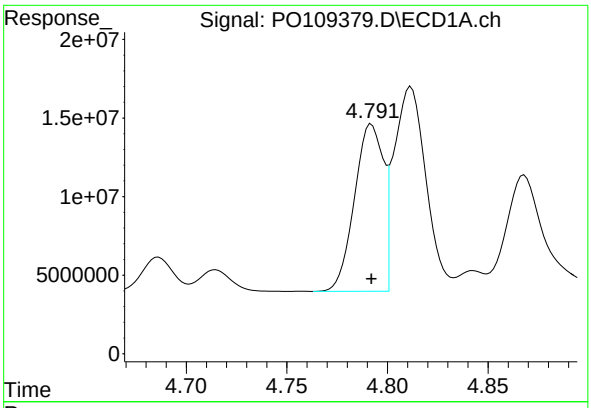
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 302378331
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

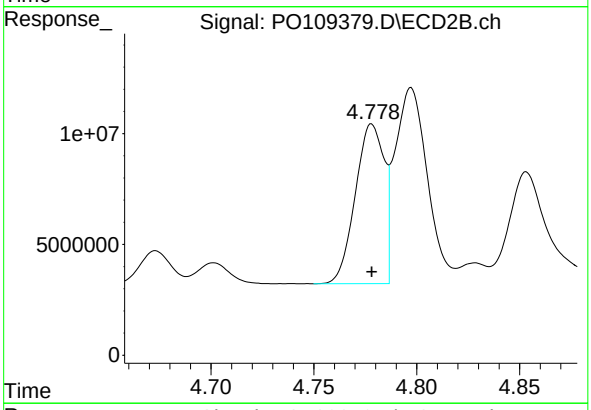
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 148166681
Conc: 50.00 ng/ml



#16 AR-1242-1

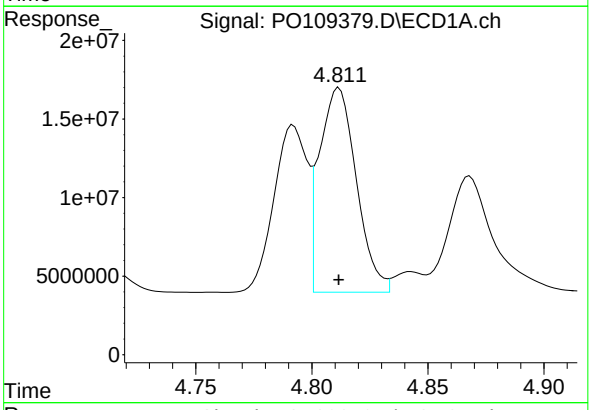
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 106110468
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



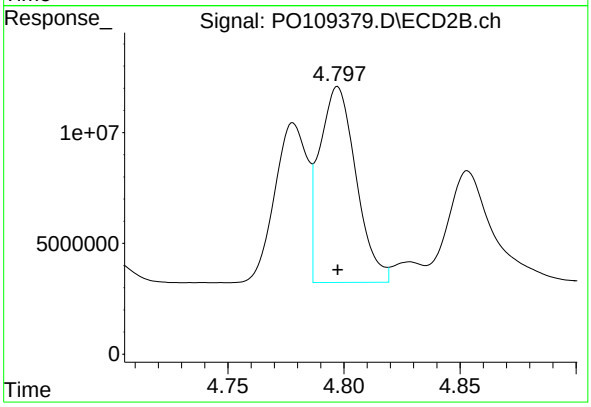
#16 AR-1242-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 70099993
Conc: 500.00 ng/ml



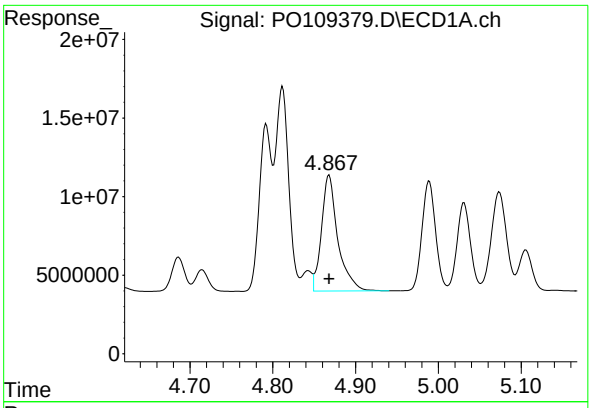
#17 AR-1242-2

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 143908479
Conc: 500.00 ng/ml



#17 AR-1242-2

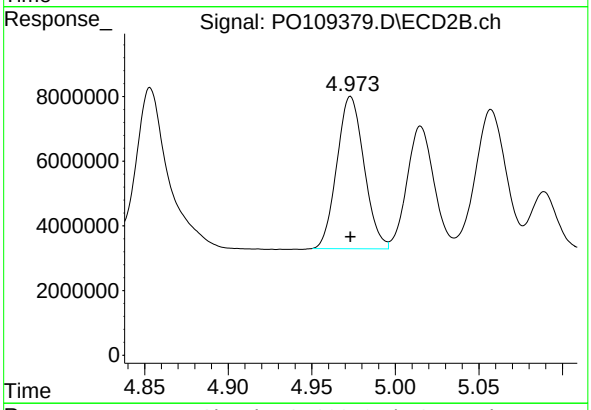
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 96975081
Conc: 500.00 ng/ml



#18 AR-1242-3

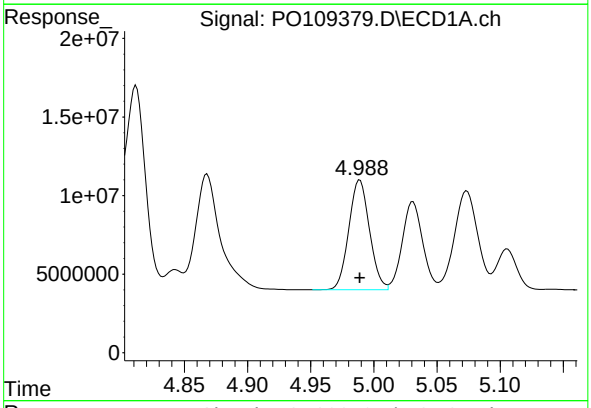
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 101353124
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



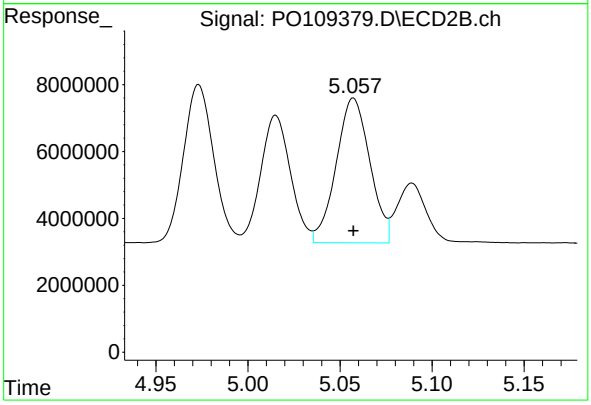
#18 AR-1242-3

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 53343259
Conc: 500.00 ng/ml



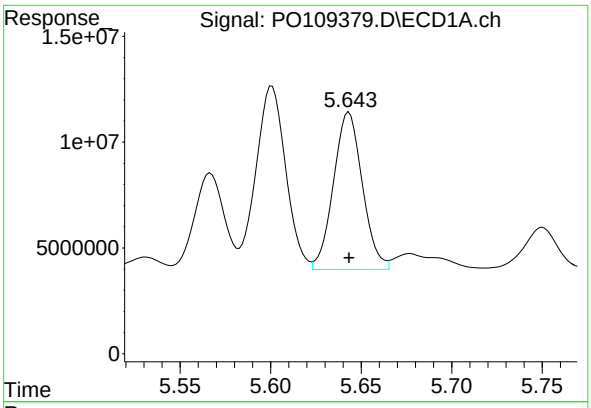
#19 AR-1242-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 79478620
Conc: 500.00 ng/ml



#19 AR-1242-4

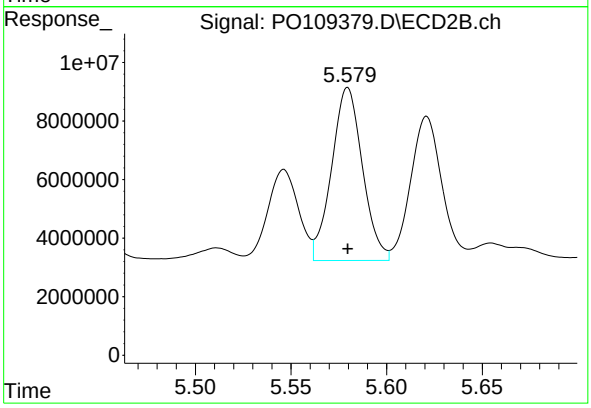
R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 55106230
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 5.643 min
Delta R.T.: 0.000 min
Response: 82599200
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.580 min
Delta R.T.: 0.000 min
Response: 66381498
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:19
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: Feb 03 23:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	194.8E6	135.3E6	25.615	25.772
2)	SA Decachlor...	8.756	8.708	159.7E6	79852929	26.402	26.947
	Target Compounds						
16)	L4 AR-1242-1	4.791	4.778	57521233	37822854	271.044	269.778
17)	L4 AR-1242-2	4.810	4.797	76351047	51860955	265.276	267.393
18)	L4 AR-1242-3	4.867	4.973	54988775	28728520	271.273	269.280
19)	L4 AR-1242-4	4.987	5.057	42713878	30613423	268.713	277.767
20)	L4 AR-1242-5	5.642	5.579	45283651	36317436	274.117	273.551

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

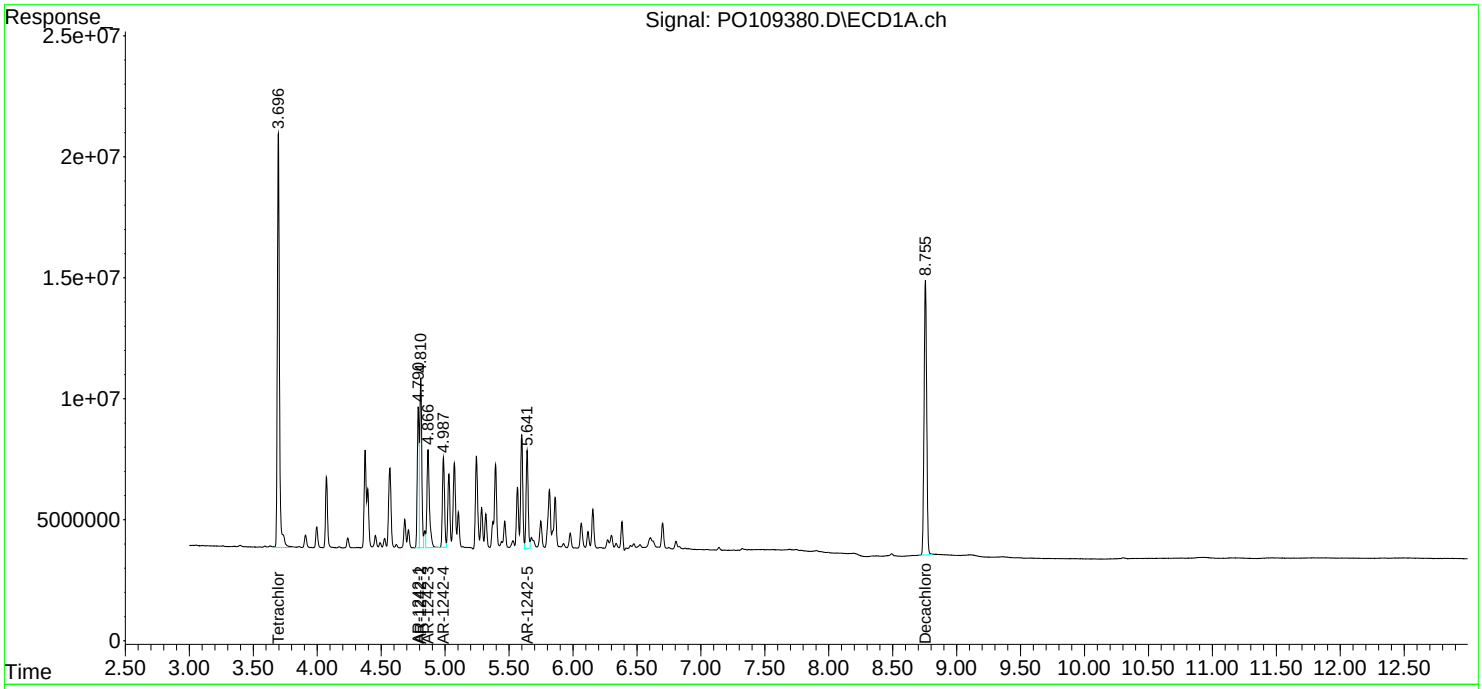
ICAL Form

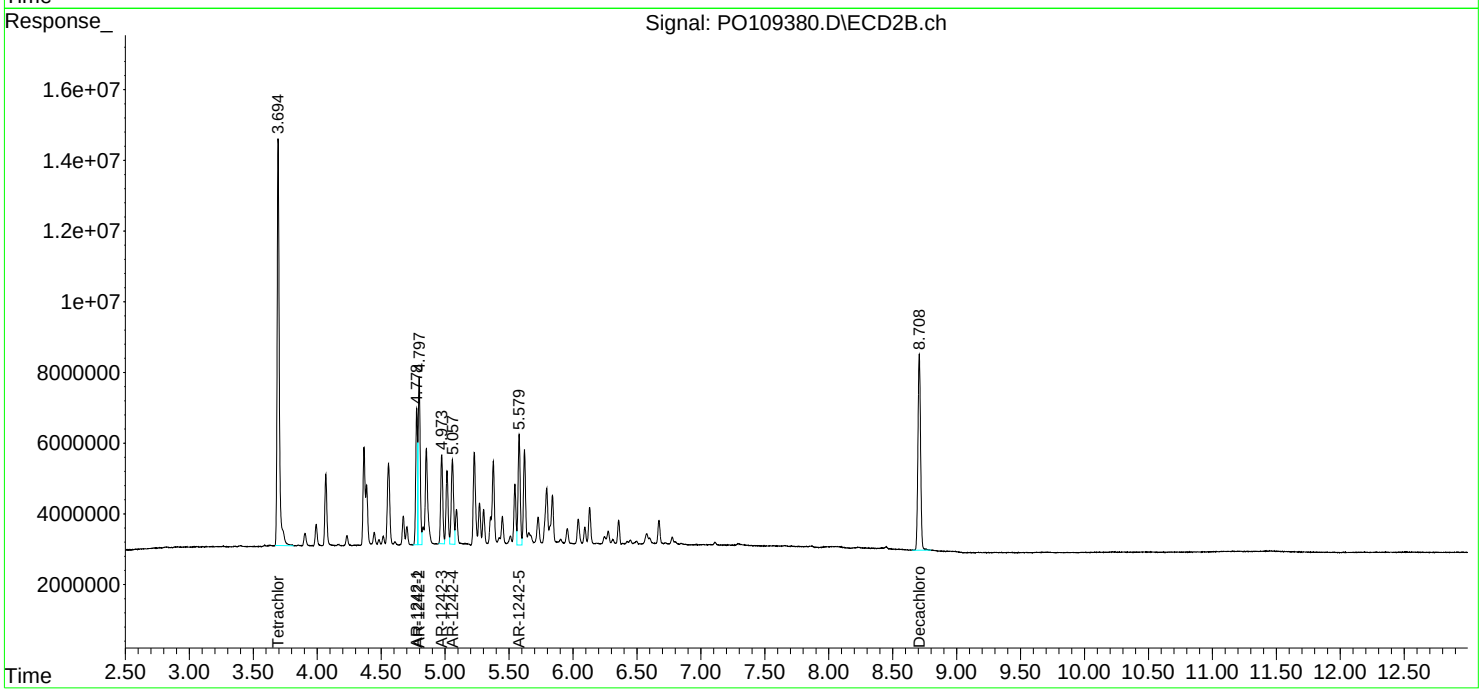
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:19
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

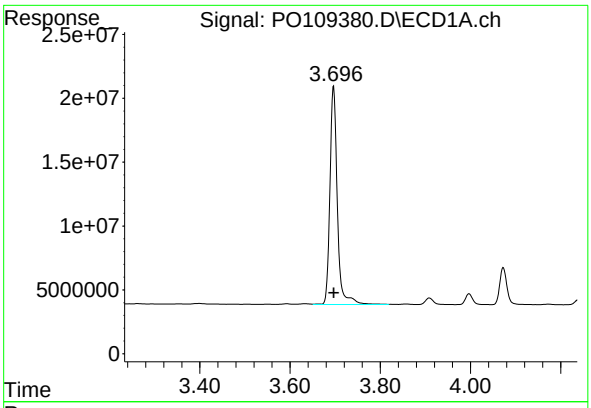
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 23:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



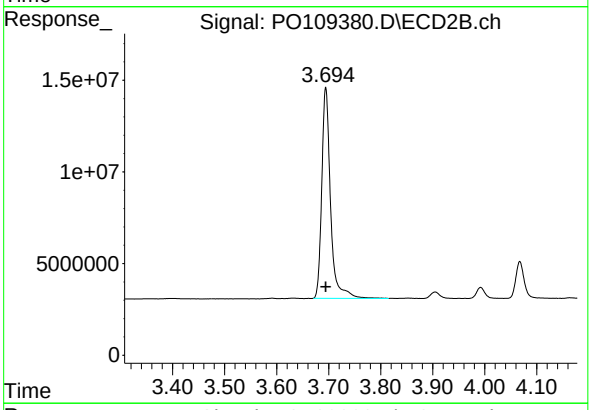




#1 Tetrachloro-m-xylene

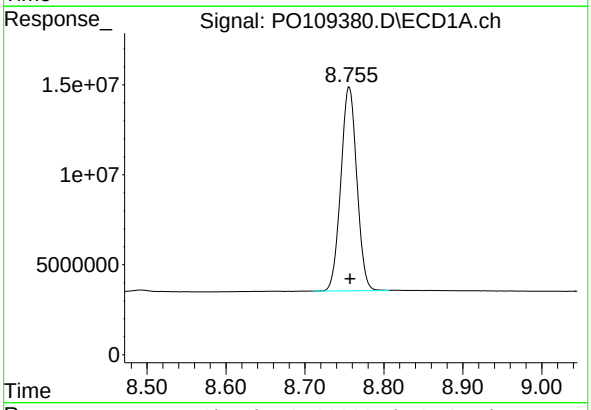
R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 194765752
Conc: 25.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



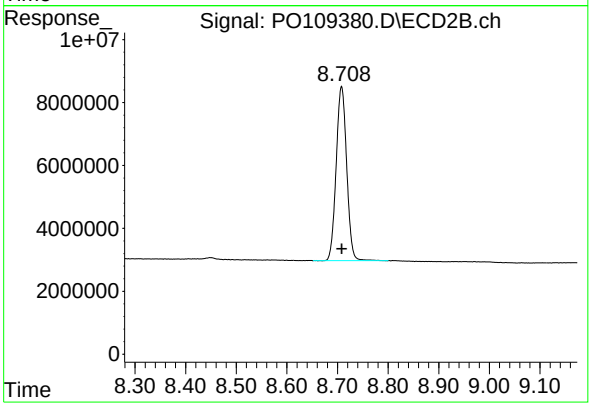
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 135285513
Conc: 25.77 ng/ml



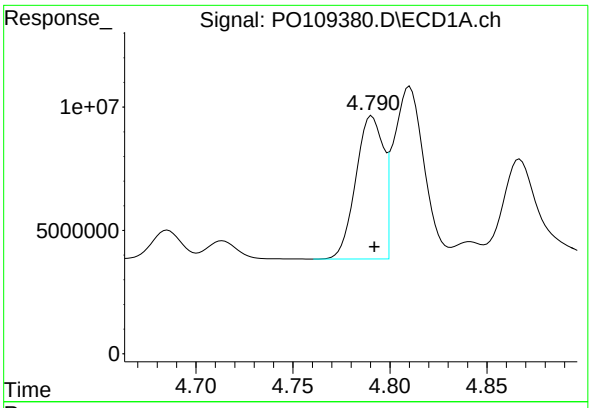
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 159668218
Conc: 26.40 ng/ml



#2 Decachlorobiphenyl

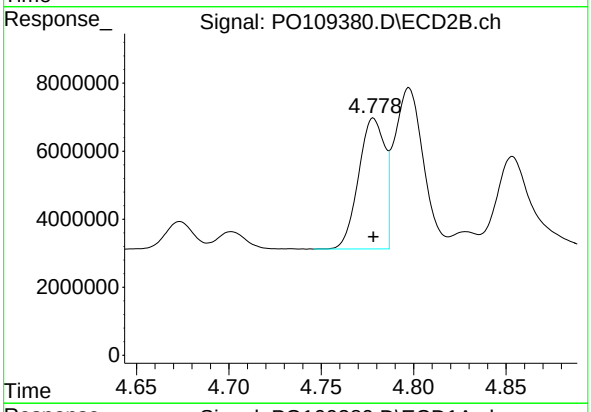
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 79852929
Conc: 26.95 ng/ml



#16 AR-1242-1

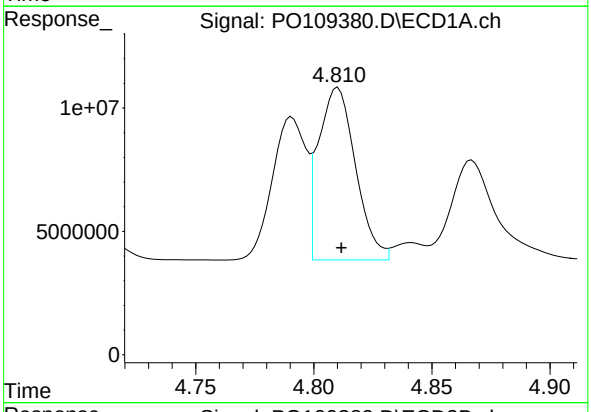
R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 57521233
Conc: 271.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



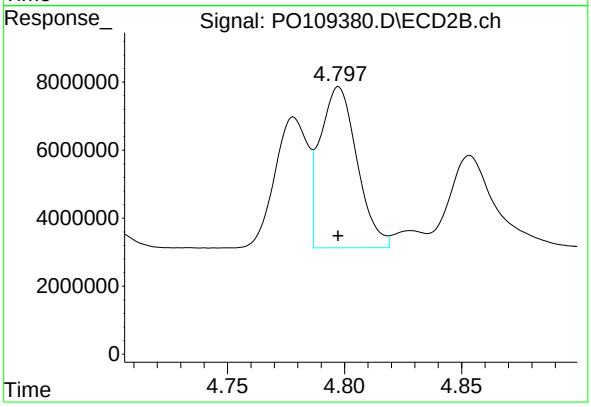
#16 AR-1242-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 37822854
Conc: 269.78 ng/ml



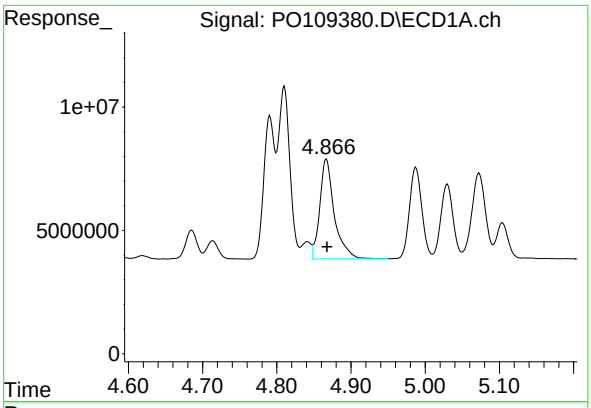
#17 AR-1242-2

R.T.: 4.810 min
Delta R.T.: -0.001 min
Response: 76351047
Conc: 265.28 ng/ml



#17 AR-1242-2

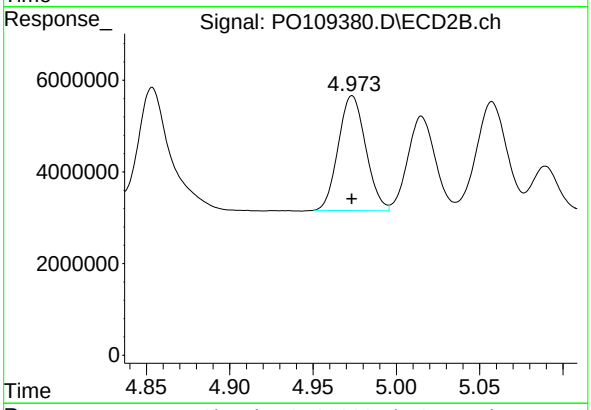
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 51860955
Conc: 267.39 ng/ml



#18 AR-1242-3

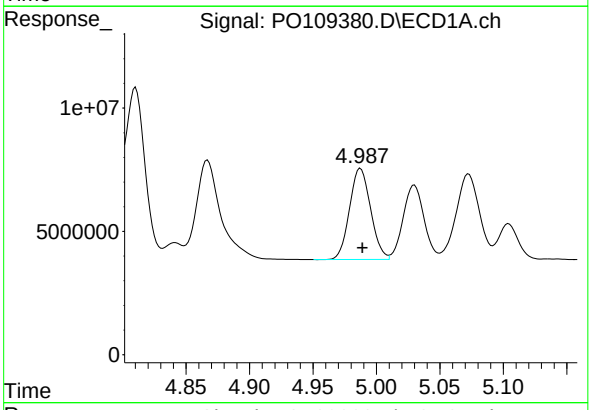
R.T.: 4.867 min
Delta R.T.: -0.001 min
Response: 54988775
Conc: 271.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



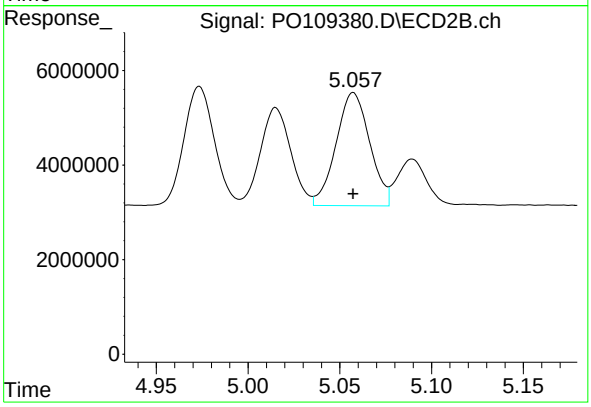
#18 AR-1242-3

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 28728520
Conc: 269.28 ng/ml



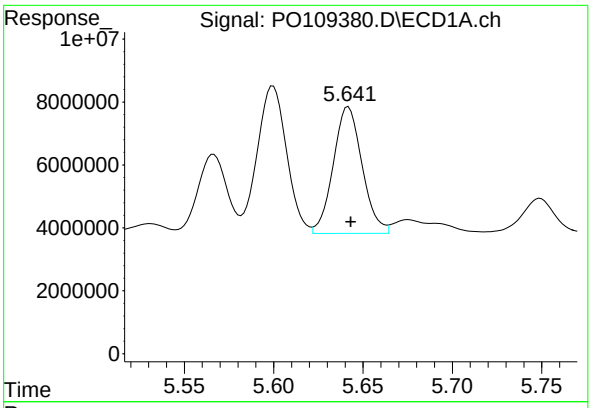
#19 AR-1242-4

R.T.: 4.987 min
Delta R.T.: -0.001 min
Response: 42713878
Conc: 268.71 ng/ml



#19 AR-1242-4

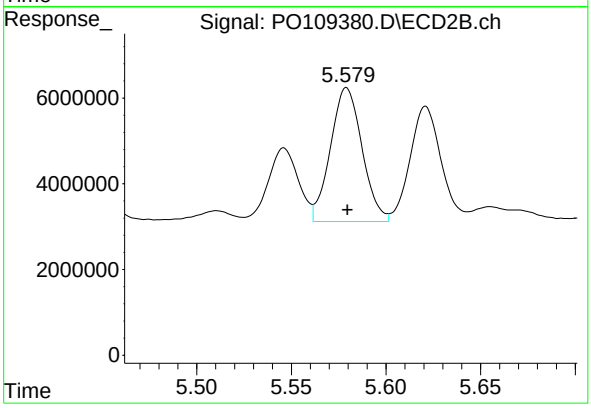
R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 30613423
Conc: 277.77 ng/ml



#20 AR-1242-5

R.T.: 5.642 min
Delta R.T.: -0.001 min
Response: 45283651
Conc: 274.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.579 min
Delta R.T.: 0.000 min
Response: 36317436
Conc: 273.55 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:38
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 23:07:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	37045246	24899976	4.872	4.743
2)	SA Decachlor...	8.755	8.706	32370862	16295926	5.353	5.499
	Target Compounds						
16)	L4 AR-1242-1	4.792	4.778	11371062	7586891	53.581	54.115
17)	L4 AR-1242-2	4.812	4.798	14778053	10129743	51.345	52.229
18)	L4 AR-1242-3	4.868	4.973	10770581	5744544	53.134	53.845
19)	L4 AR-1242-4	4.989	5.057	8597214	6347134	54.085	57.590m
20)	L4 AR-1242-5	5.642	5.579	9240913	7024324	55.938	52.909m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:38
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

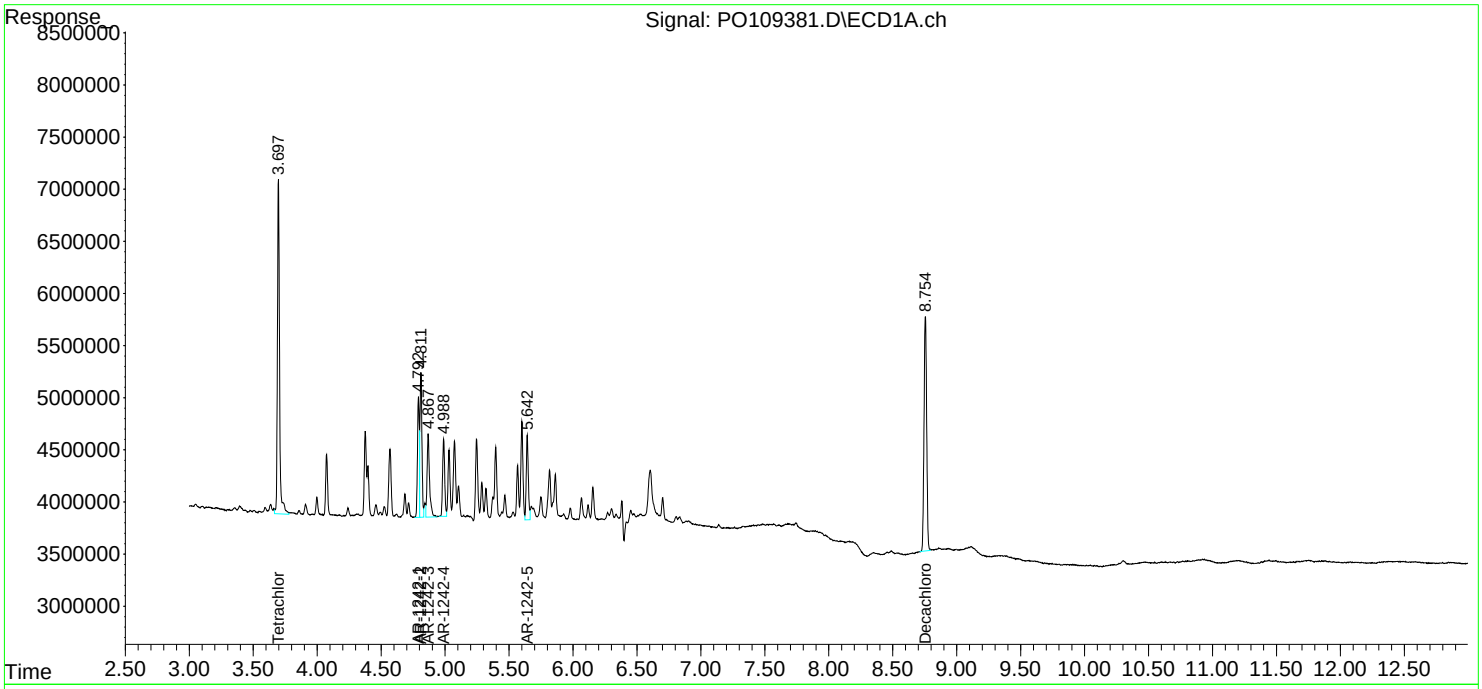
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

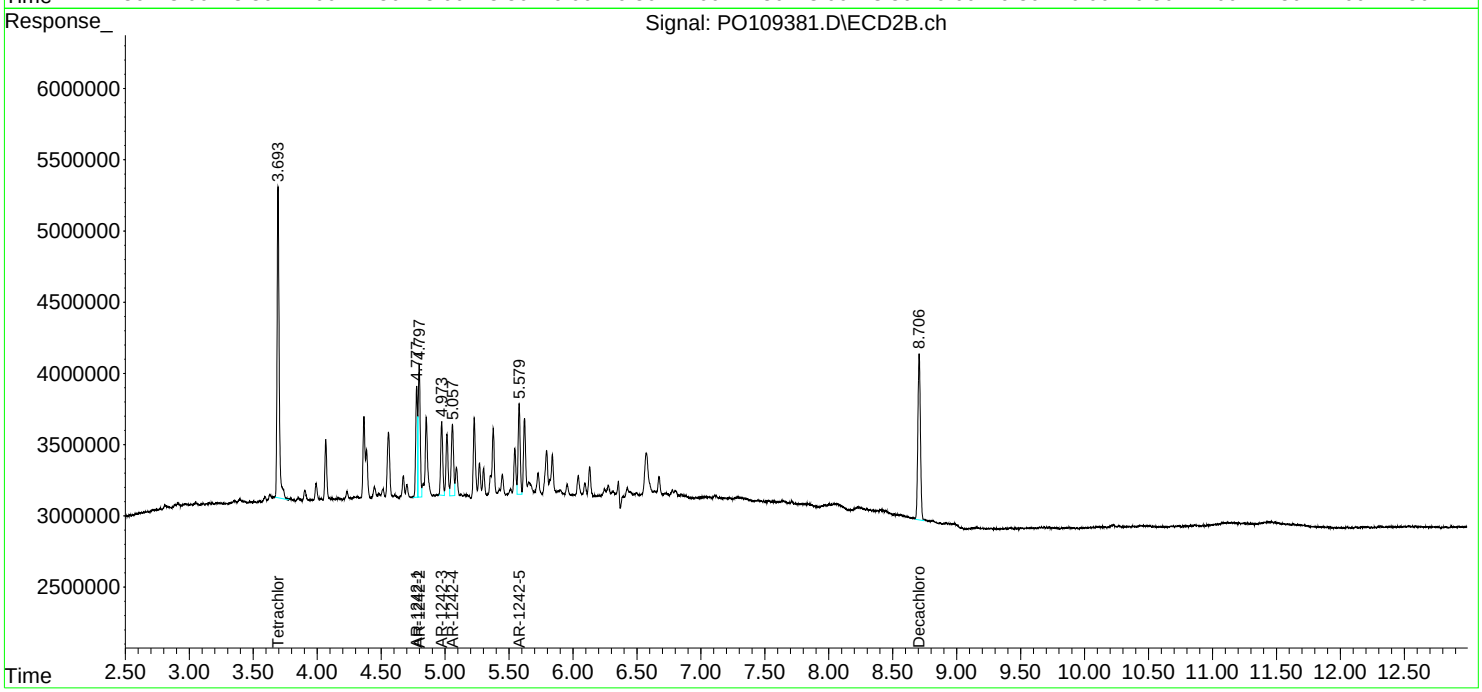
Manual Integrations APPROVED

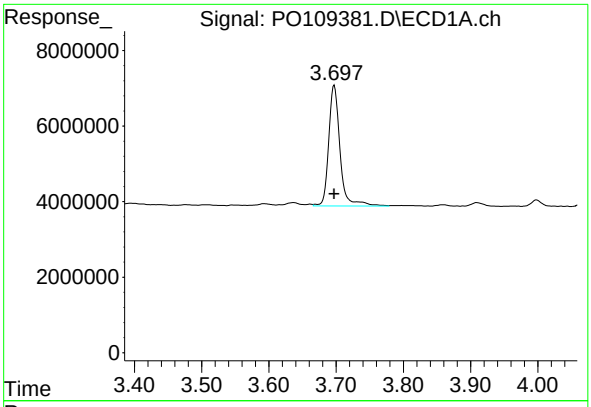
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 23:07:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Feb 03 23:06:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







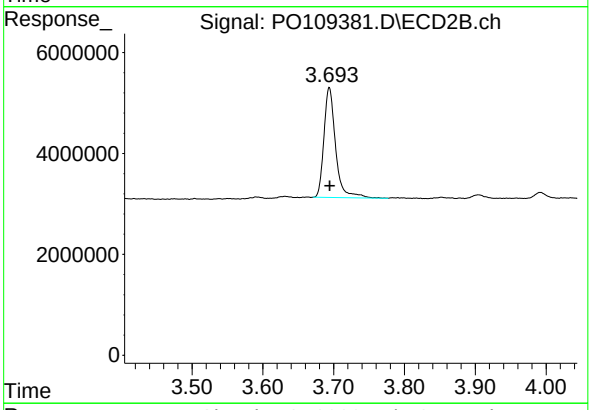
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 37045246
Conc: 4.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

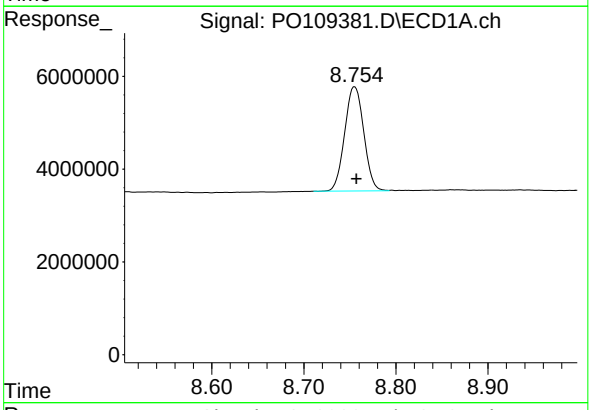
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



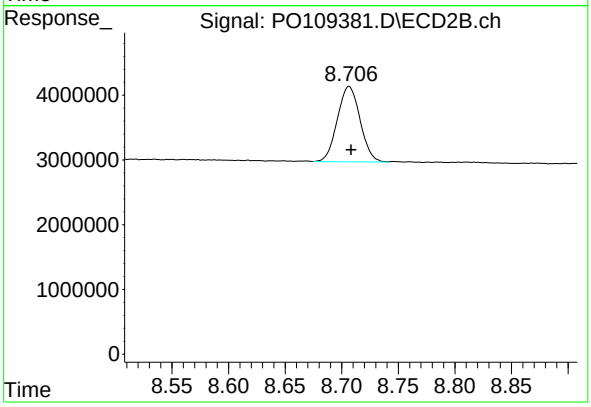
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 24899976
Conc: 4.74 ng/ml



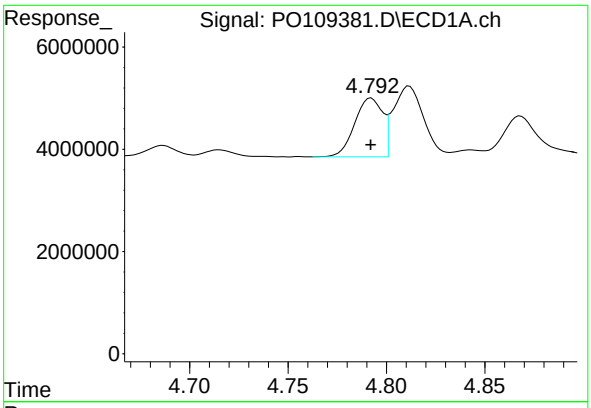
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: -0.002 min
Response: 32370862
Conc: 5.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.706 min
Delta R.T.: -0.002 min
Response: 16295926
Conc: 5.50 ng/ml



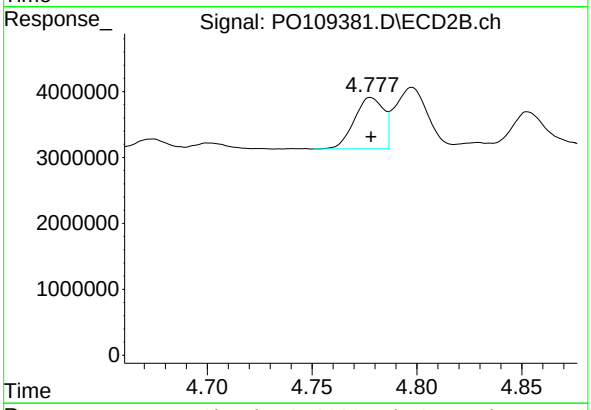
#16 AR-1242-1

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 11371062
Conc: 53.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

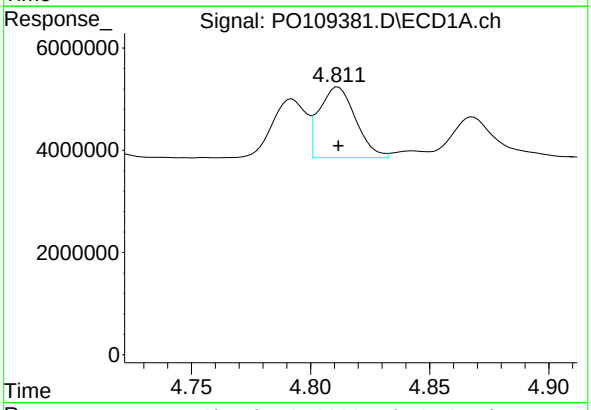
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



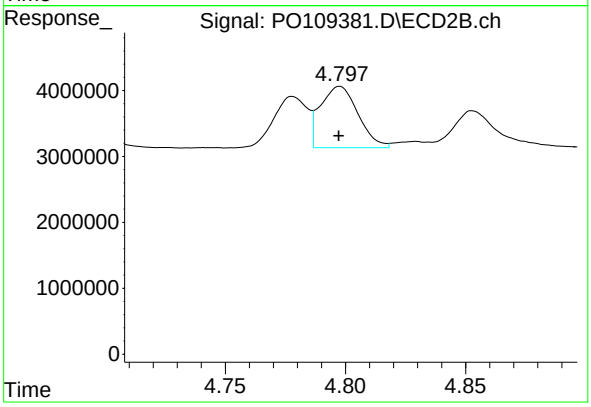
#16 AR-1242-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 7586891
Conc: 54.11 ng/ml



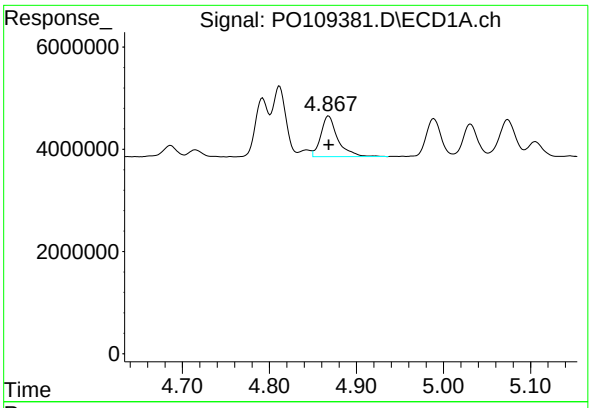
#17 AR-1242-2

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 14778053
Conc: 51.35 ng/ml



#17 AR-1242-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 10129743
Conc: 52.23 ng/ml



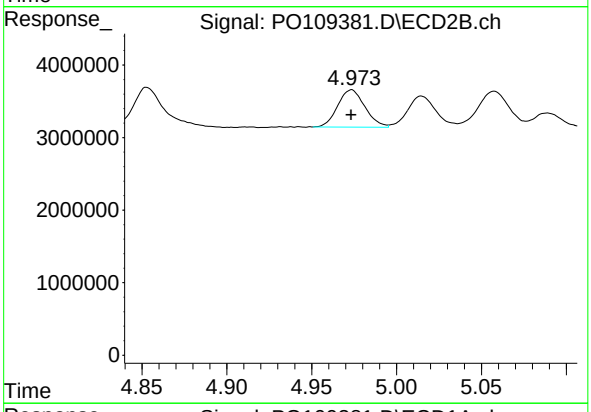
#18 AR-1242-3

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 10770581
Conc: 53.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

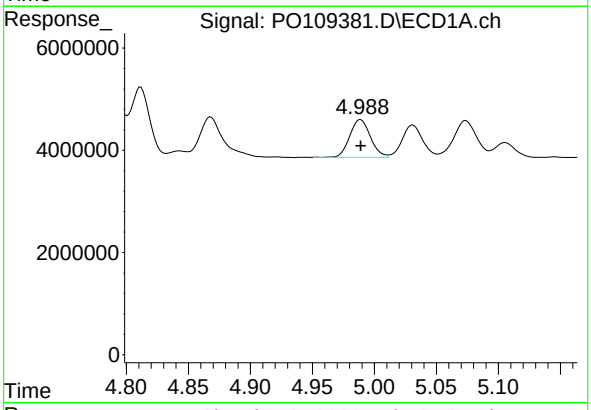
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



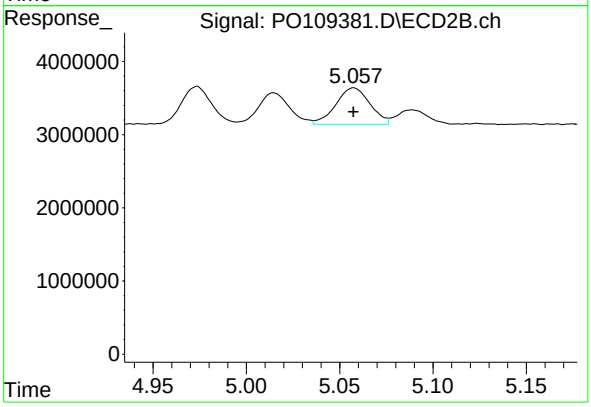
#18 AR-1242-3

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 5744544
Conc: 53.85 ng/ml



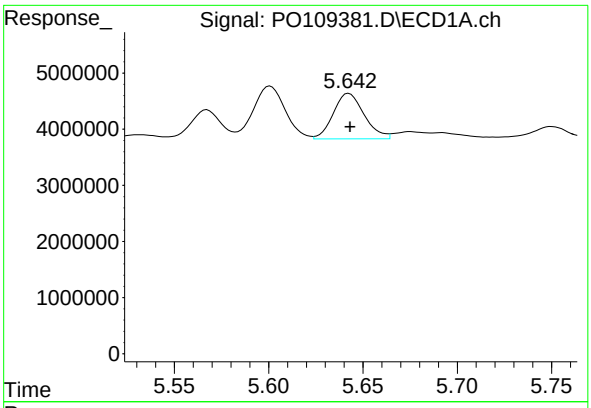
#19 AR-1242-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 8597214
Conc: 54.09 ng/ml



#19 AR-1242-4

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 6347134
Conc: 57.59 ng/ml m



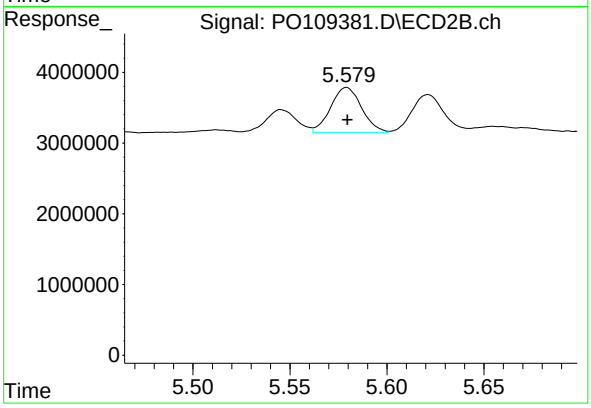
#20 AR-1242-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 9240913
Conc: 55.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



#20 AR-1242-5

R.T.: 5.579 min
Delta R.T.: 0.000 min
Response: 7024324
Conc: 52.91 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:56
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: Feb 04 00:13:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	720.4E6	498.5E6	95.005	94.356
2)	SA Decachlor...	8.758	8.707	561.0E6	275.9E6	93.076	90.083
	Target Compounds						
21)	L5 AR-1248-1	4.792	4.778	147.0E6	96991072	902.575	903.411
22)	L5 AR-1248-2	5.031	5.015	199.2E6	134.5E6	895.499	891.262
23)	L5 AR-1248-3	5.246	5.057	247.5E6	143.6E6	900.407	891.393
24)	L5 AR-1248-4	5.601	5.229	352.1E6	169.1E6	919.365	900.702
25)	L5 AR-1248-5	5.644	5.622	247.7E6	166.5E6	920.414	915.052

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

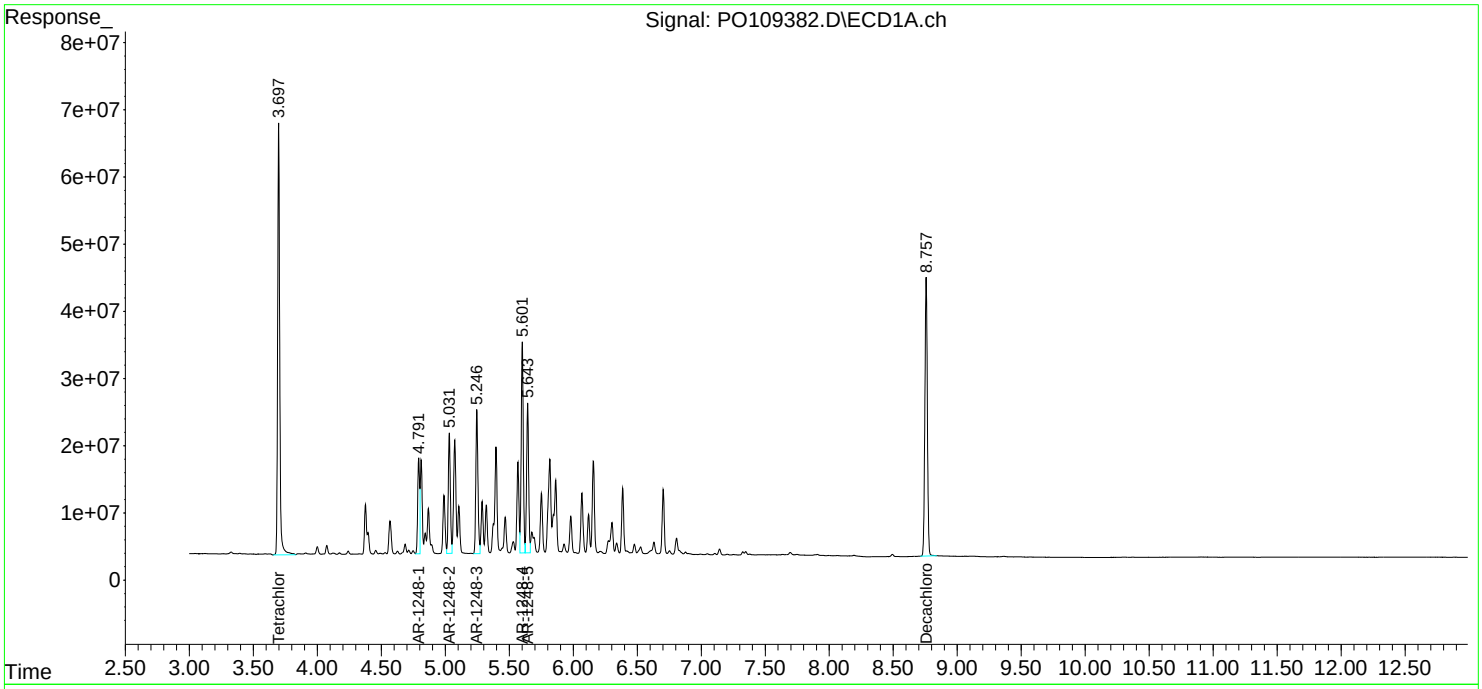
ICAL Form

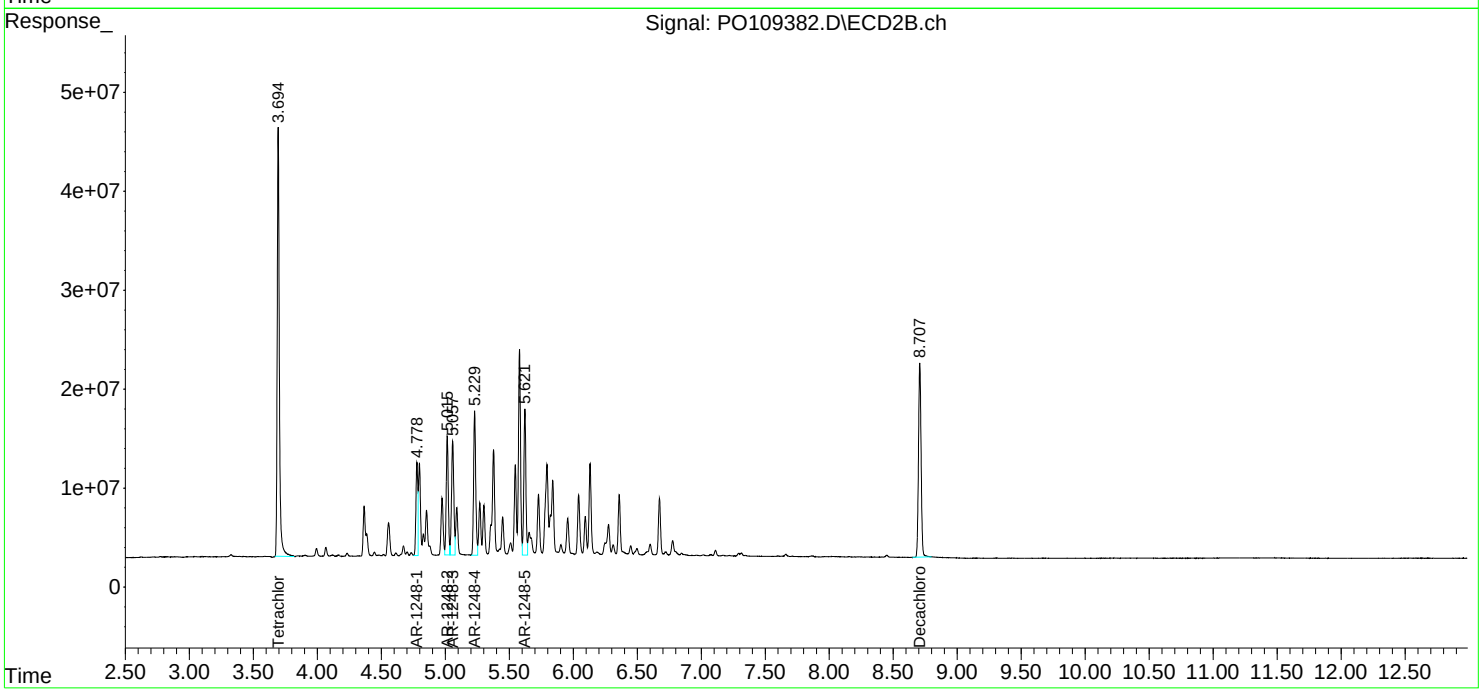
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:56
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

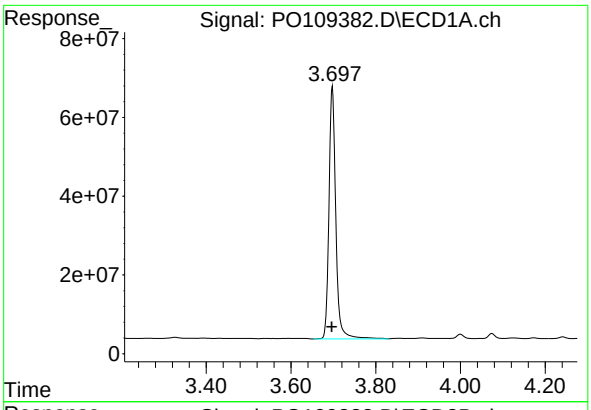
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:13:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



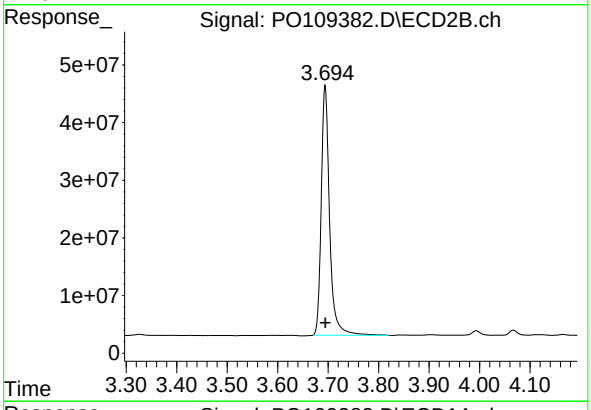




#1 Tetrachloro-m-xylene

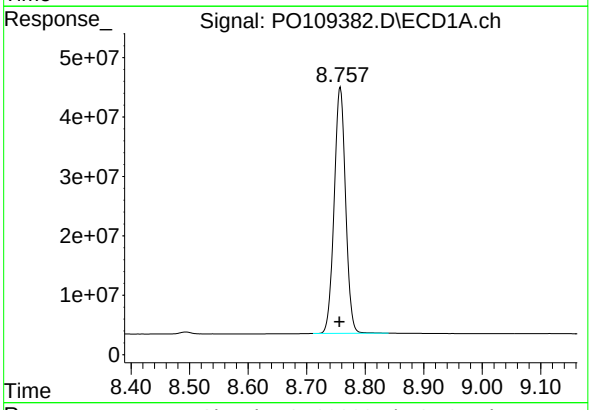
R.T.: 3.698 min
Delta R.T.: 0.002 min
Response: 720447606
Conc: 95.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



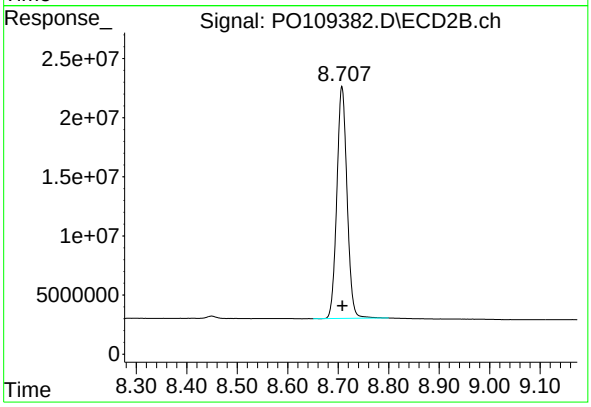
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 498506344
Conc: 94.36 ng/ml



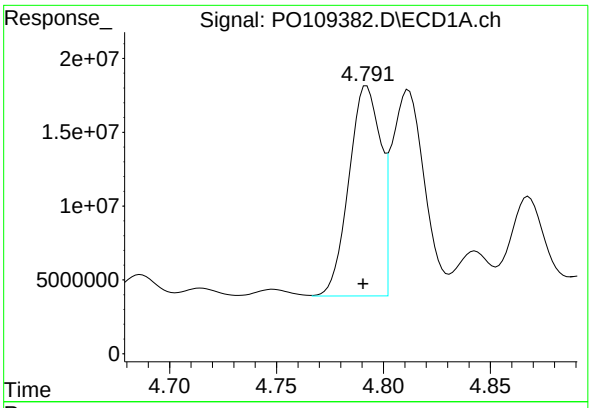
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.001 min
Response: 560983424
Conc: 93.08 ng/ml



#2 Decachlorobiphenyl

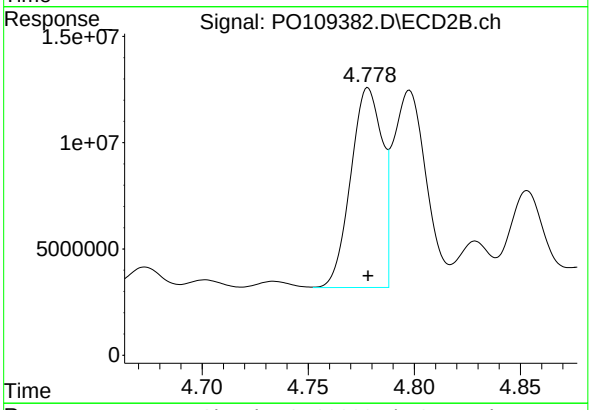
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 275894862
Conc: 90.08 ng/ml



#21 AR-1248-1

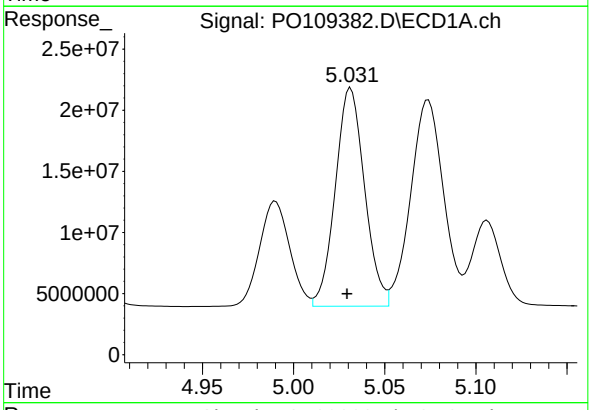
R.T.: 4.792 min
Delta R.T.: 0.002 min
Response: 146962778
Conc: 902.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



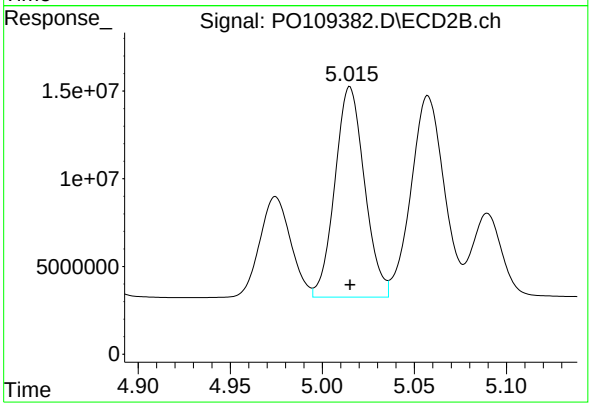
#21 AR-1248-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 96991072
Conc: 903.41 ng/ml



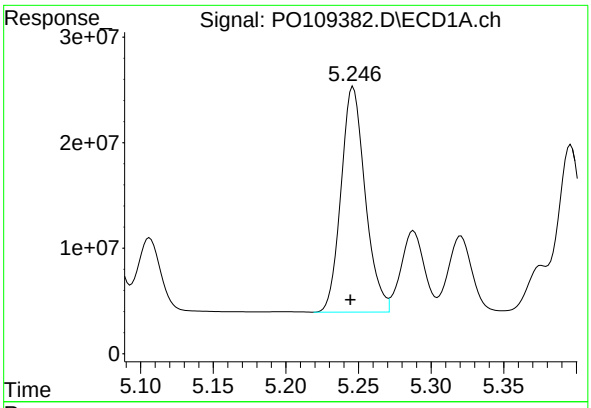
#22 AR-1248-2

R.T.: 5.031 min
Delta R.T.: 0.002 min
Response: 199227110
Conc: 895.50 ng/ml



#22 AR-1248-2

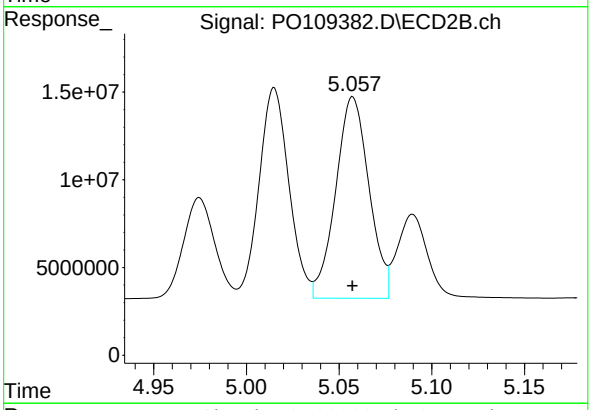
R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 134470113
Conc: 891.26 ng/ml



#23 AR-1248-3

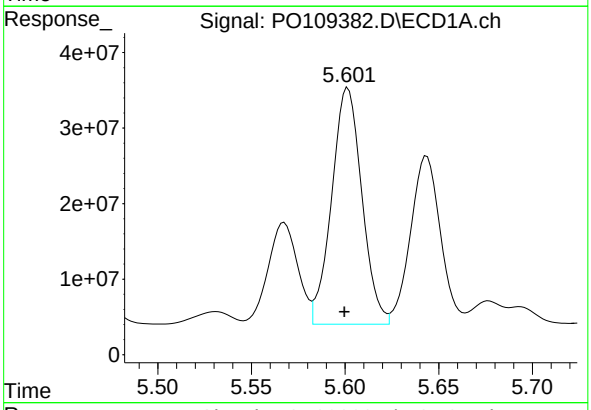
R.T.: 5.246 min
Delta R.T.: 0.002 min
Response: 247483851
Conc: 900.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



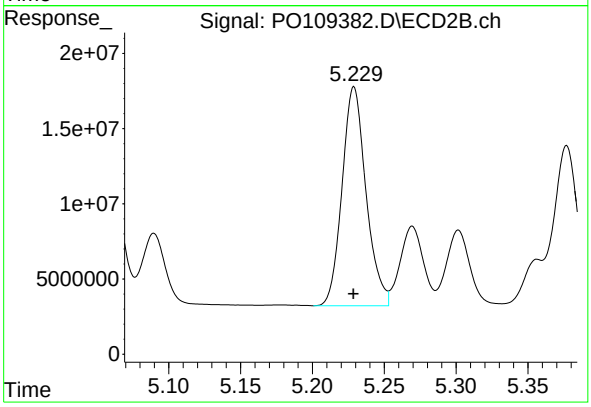
#23 AR-1248-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 143621711
Conc: 891.39 ng/ml



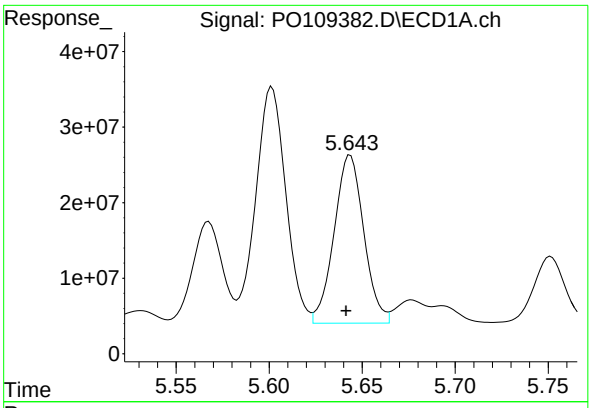
#24 AR-1248-4

R.T.: 5.601 min
Delta R.T.: 0.002 min
Response: 352065611
Conc: 919.37 ng/ml



#24 AR-1248-4

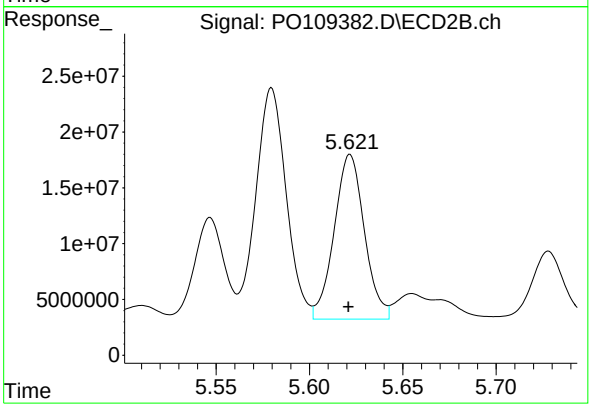
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 169090611
Conc: 900.70 ng/ml



#25 AR-1248-5

R.T.: 5.644 min
Delta R.T.: 0.002 min
Response: 247656524
Conc: 920.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 166537611
Conc: 915.05 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:14
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: Feb 04 00:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	548.0E6	379.4E6	72.268	71.815
2)	SA Decachlor...	8.757	8.708	432.0E6	214.5E6	71.670	70.045
	Target Compounds						
21)	L5 AR-1248-1	4.792	4.778	113.9E6	74737687	699.744	696.135
22)	L5 AR-1248-2	5.031	5.015	155.3E6	104.7E6	697.828	693.701
23)	L5 AR-1248-3	5.247	5.057	191.6E6	111.6E6	697.179	692.650
24)	L5 AR-1248-4	5.602	5.228	270.8E6	130.5E6	707.099	695.310
25)	L5 AR-1248-5	5.644	5.621	189.3E6	127.9E6	703.493	702.773

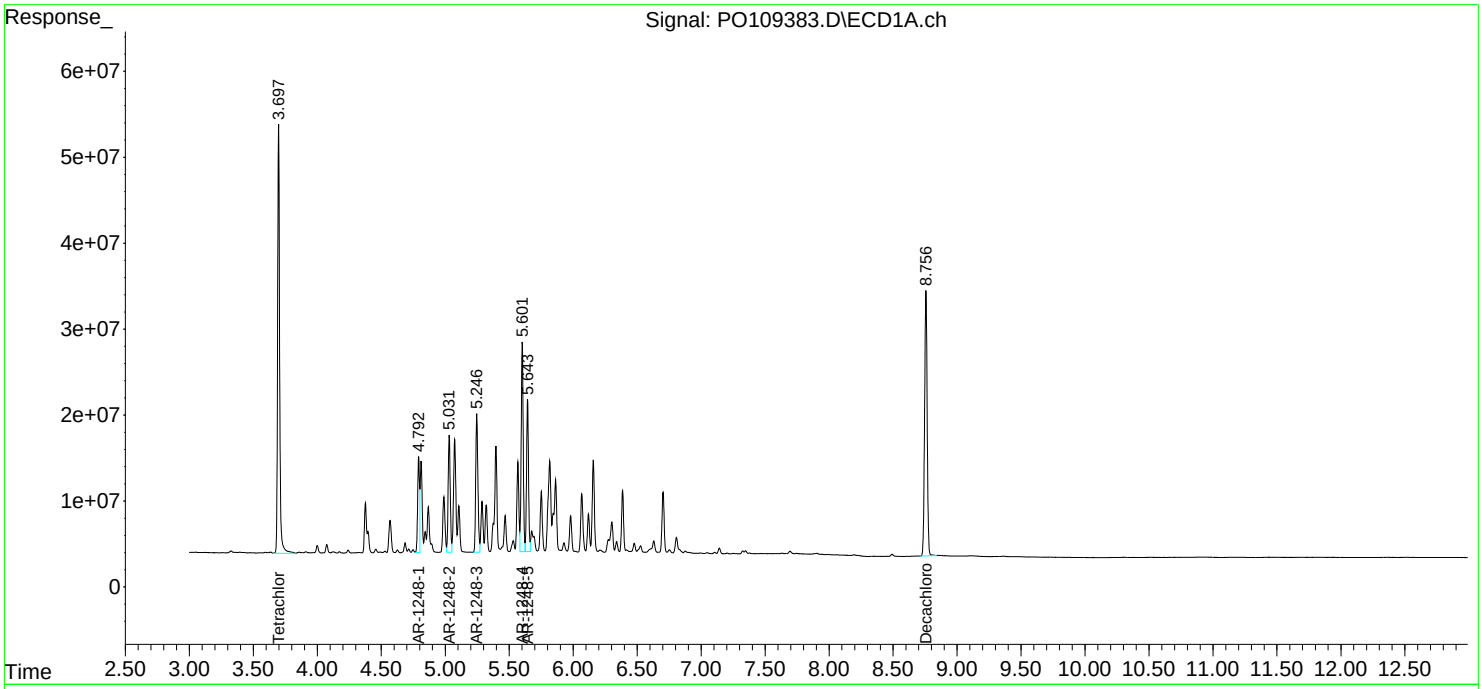
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

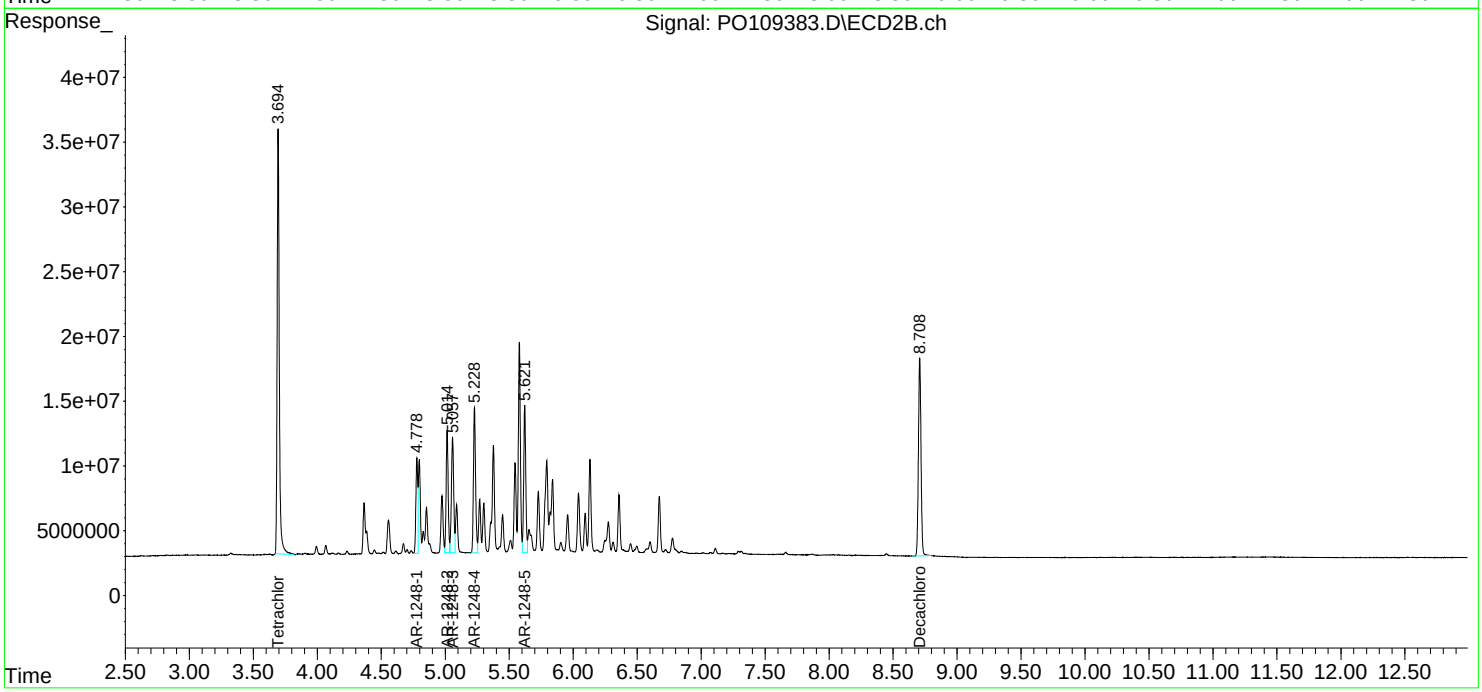
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:14
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

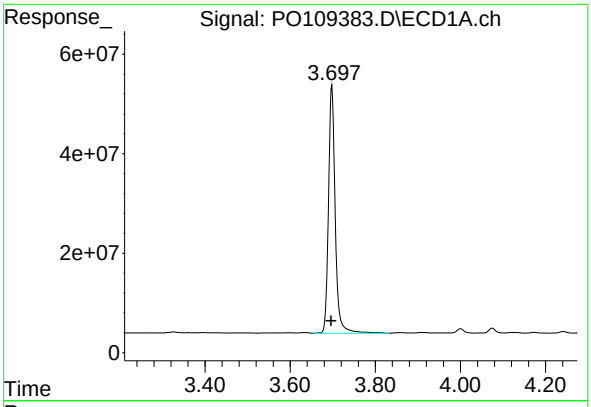
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



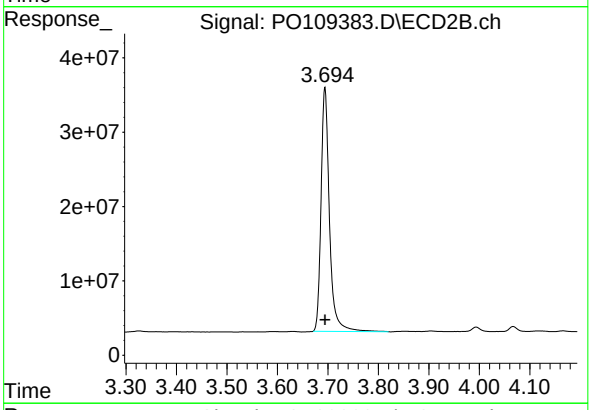




#1 Tetrachloro-m-xylene

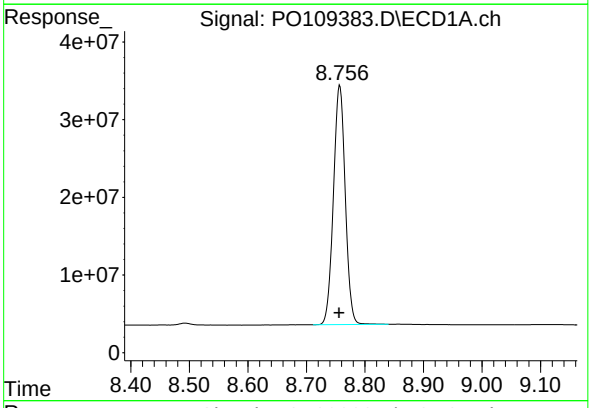
R.T.: 3.698 min
Delta R.T.: 0.002 min
Response: 548025979
Conc: 72.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



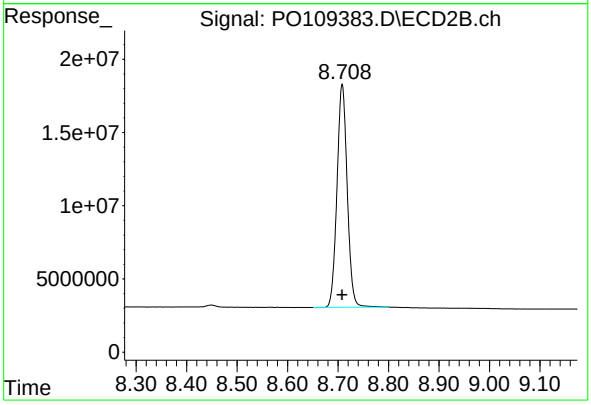
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 379413784
Conc: 71.81 ng/ml



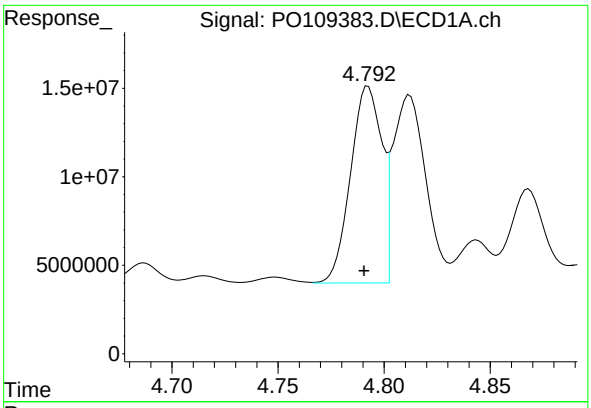
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 431967380
Conc: 71.67 ng/ml



#2 Decachlorobiphenyl

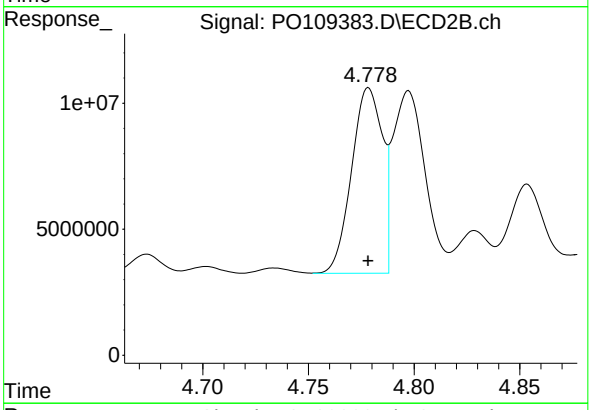
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 214526269
Conc: 70.05 ng/ml



#21 AR-1248-1

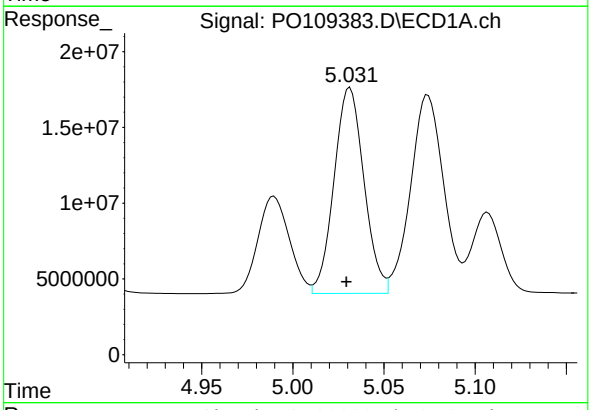
R.T.: 4.792 min
Delta R.T.: 0.002 min
Response: 113936579
Conc: 699.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



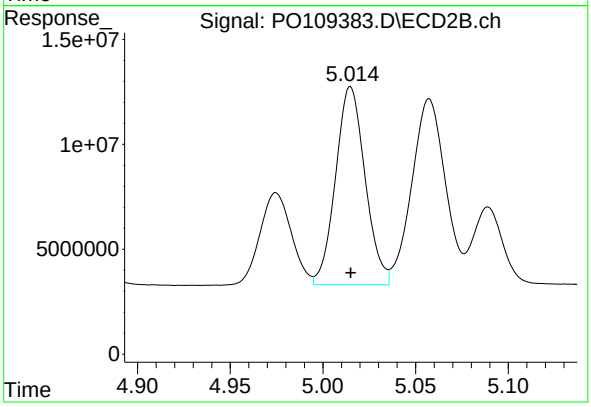
#21 AR-1248-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 74737687
Conc: 696.13 ng/ml



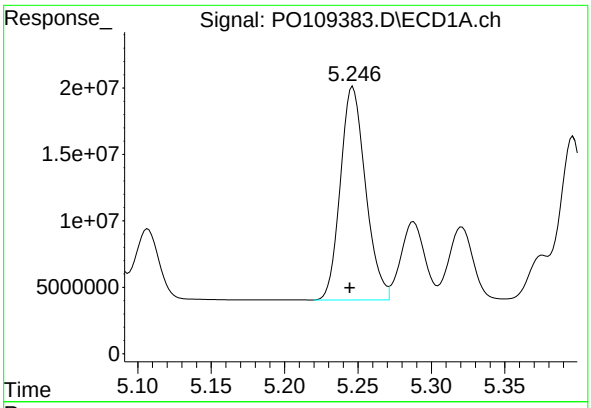
#22 AR-1248-2

R.T.: 5.031 min
Delta R.T.: 0.002 min
Response: 155250023
Conc: 697.83 ng/ml



#22 AR-1248-2

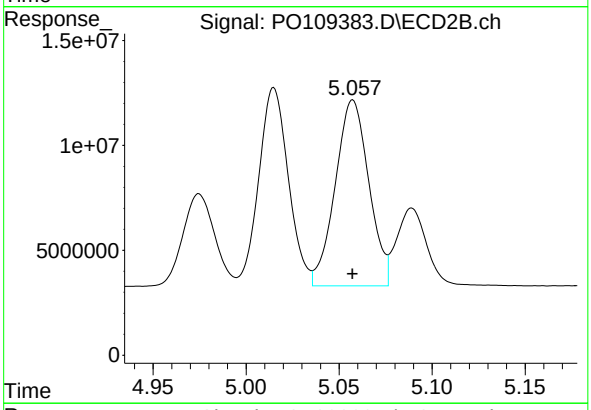
R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 104662981
Conc: 693.70 ng/ml



#23 AR-1248-3

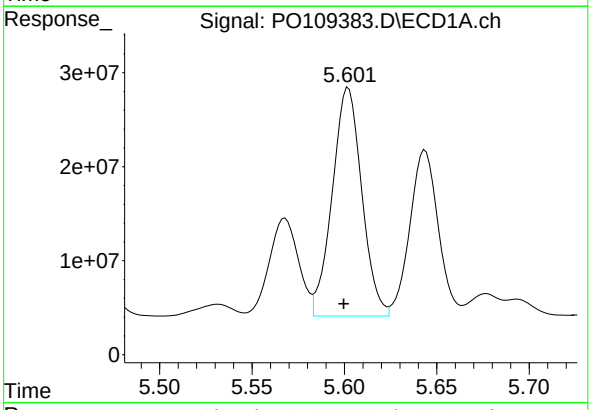
R.T.: 5.247 min
Delta R.T.: 0.002 min
Response: 191625053
Conc: 697.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



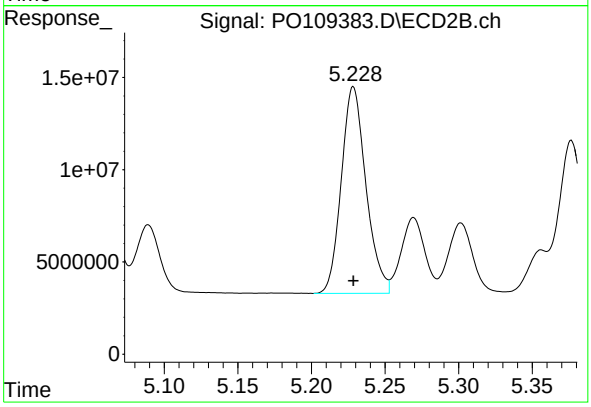
#23 AR-1248-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 111600204
Conc: 692.65 ng/ml



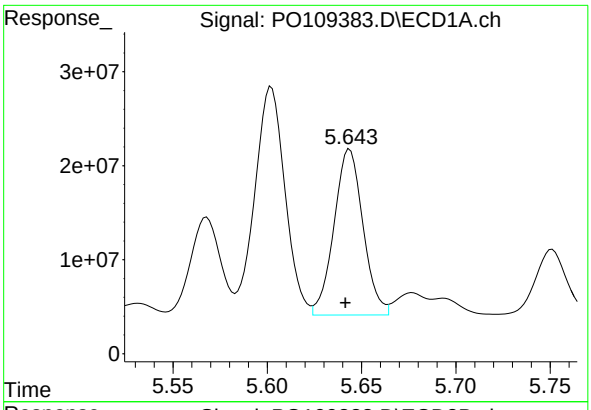
#24 AR-1248-4

R.T.: 5.602 min
Delta R.T.: 0.003 min
Response: 270779294
Conc: 707.10 ng/ml



#24 AR-1248-4

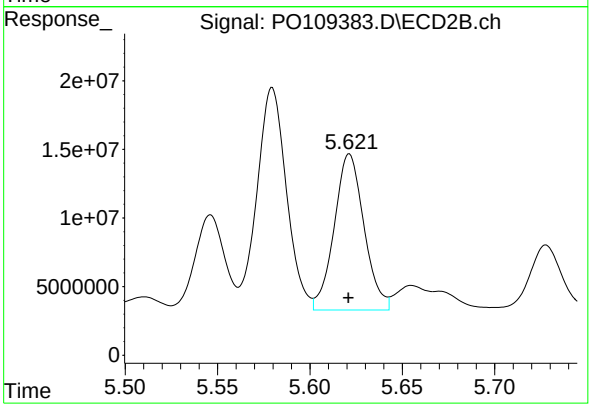
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 130531970
Conc: 695.31 ng/ml



#25 AR-1248-5

R.T.: 5.644 min
Delta R.T.: 0.002 min
Response: 189289406
Conc: 703.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 127903157
Conc: 702.77 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:32
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: Feb 04 00:13:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.696	3.694	379.2E6	264.2E6	50.000	50.000
2)	SA Decachlor...	8.756	8.708	301.4E6	153.1E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.790	4.778	81413054	53680476	500.000	500.000
22)	L5 AR-1248-2	5.029	5.015	111.2E6	75438066	500.000	500.000
23)	L5 AR-1248-3	5.244	5.057	137.4E6	80560270	500.000	500.000
24)	L5 AR-1248-4	5.600	5.228	191.5E6	93865992	500.000	500.000
25)	L5 AR-1248-5	5.641	5.621	134.5E6	90998954	500.000	500.000

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

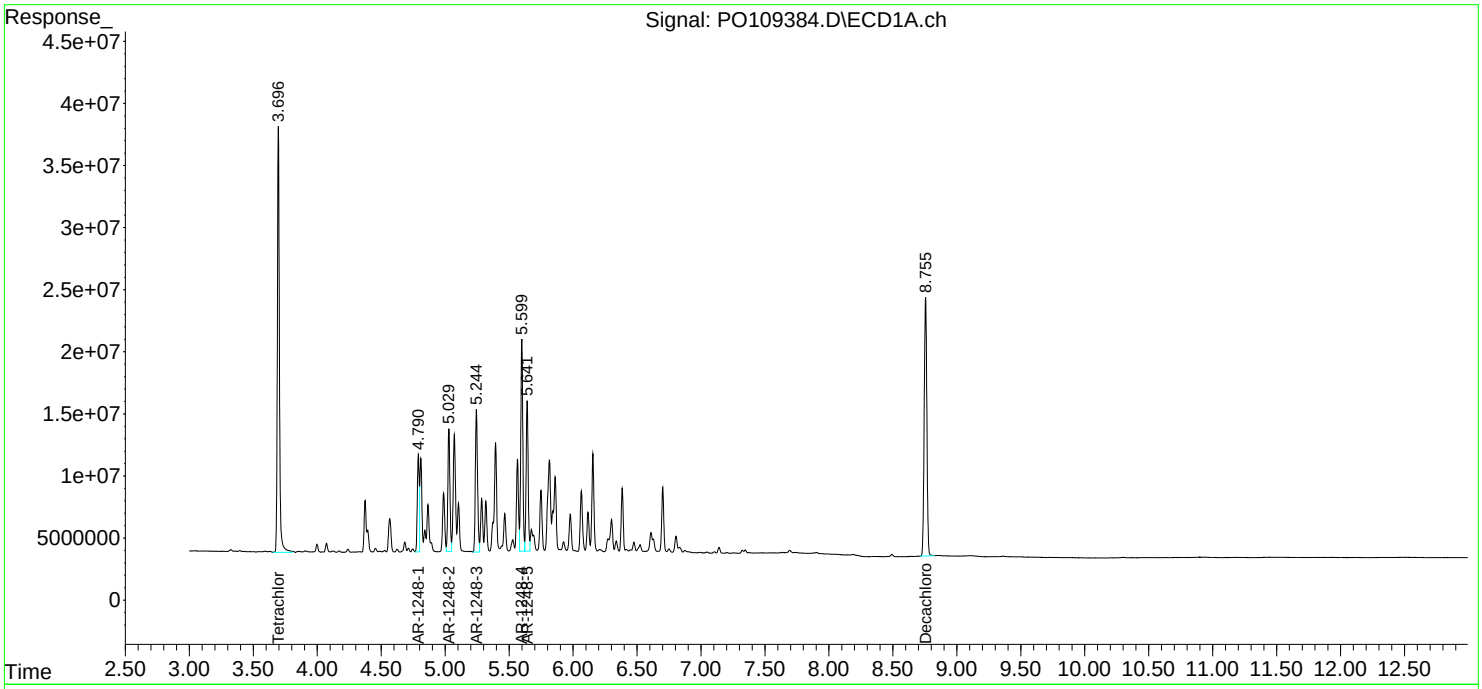
ICAL Form

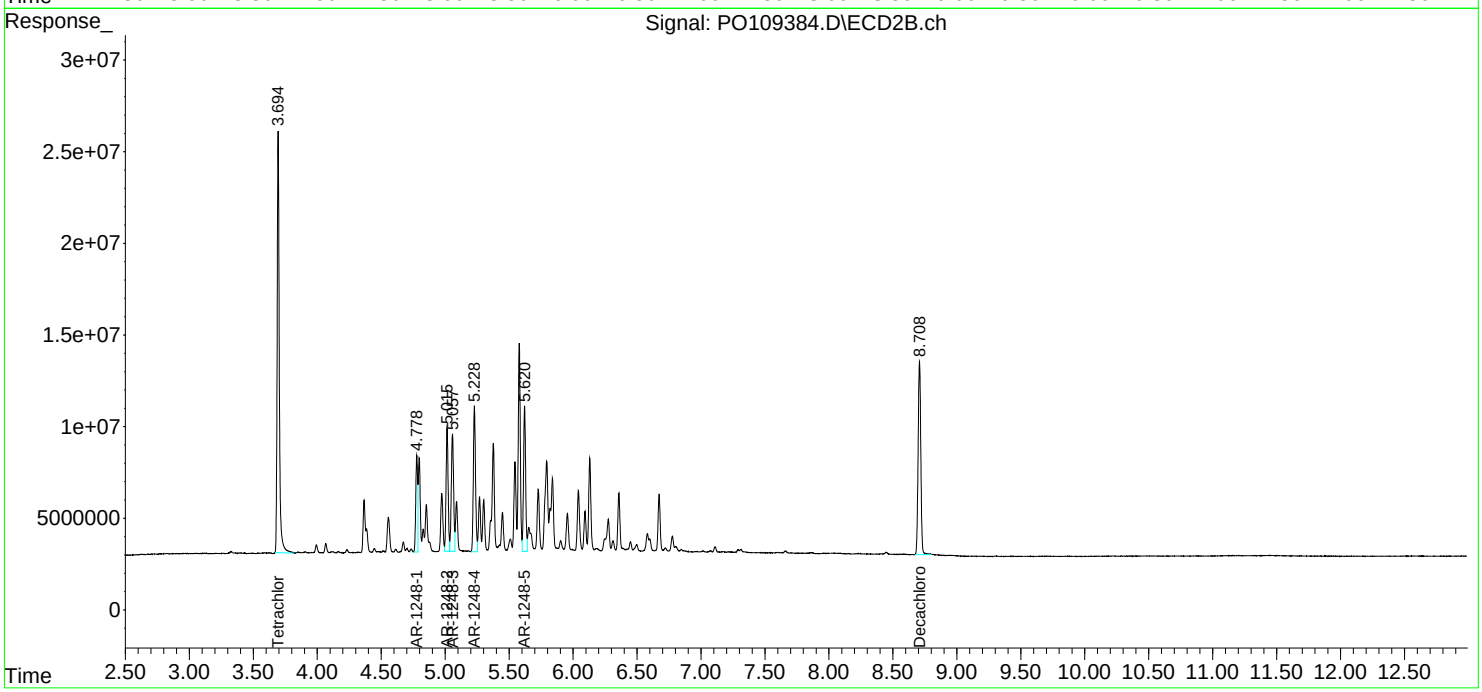
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:32
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

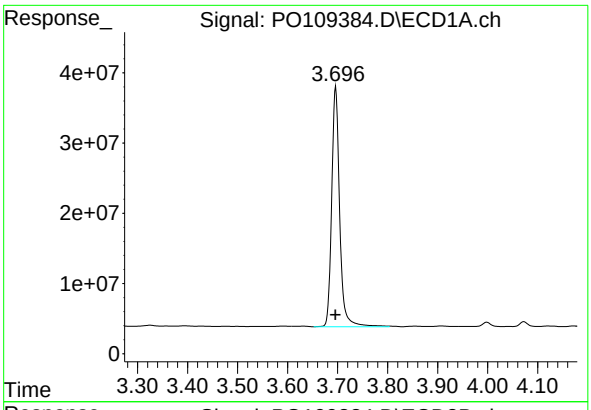
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:13:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



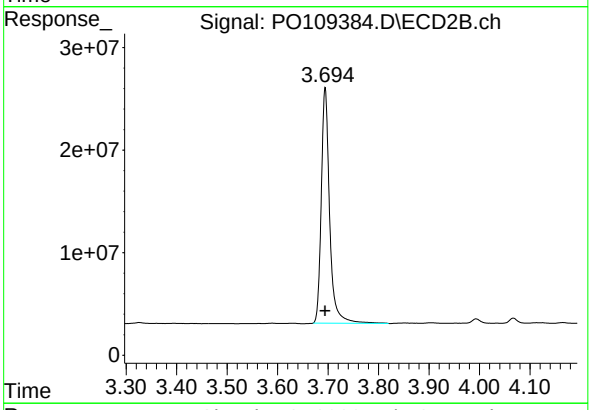




#1 Tetrachloro-m-xylene

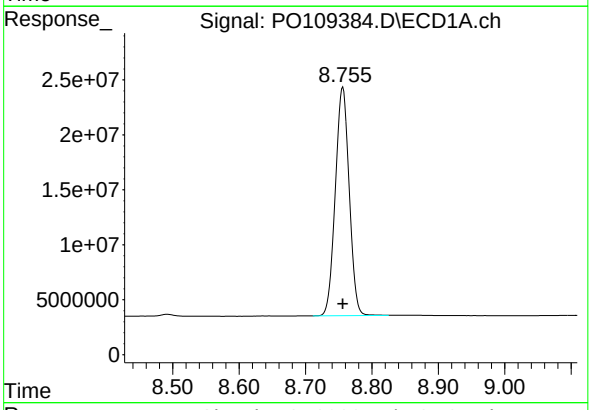
R.T.: 3.696 min
Delta R.T.: 0.000 min
Response: 379161662
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



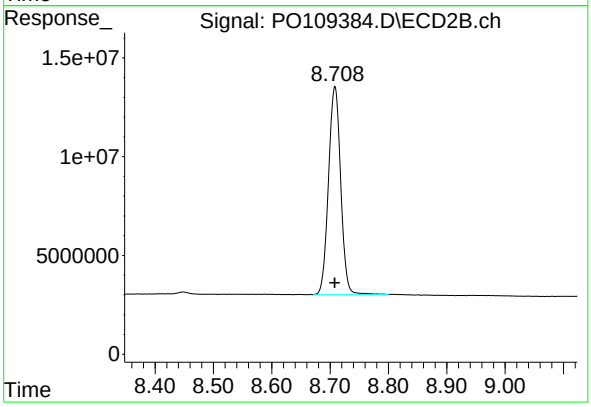
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 264161582
Conc: 50.00 ng/ml



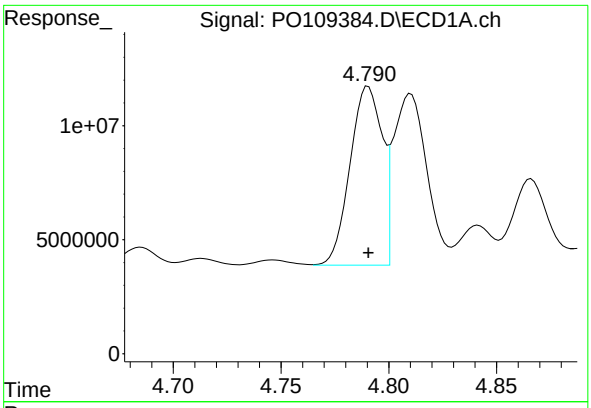
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 301358378
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

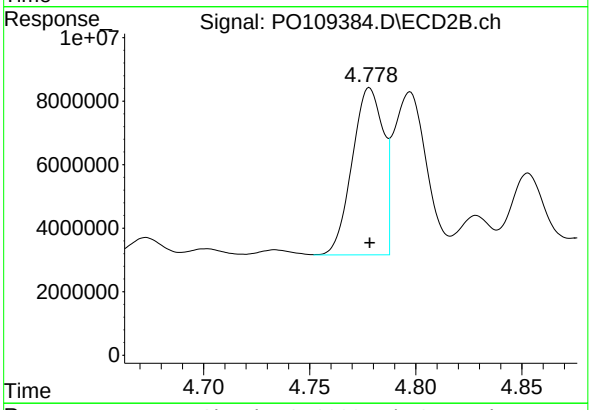
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 153133618
Conc: 50.00 ng/ml



#21 AR-1248-1

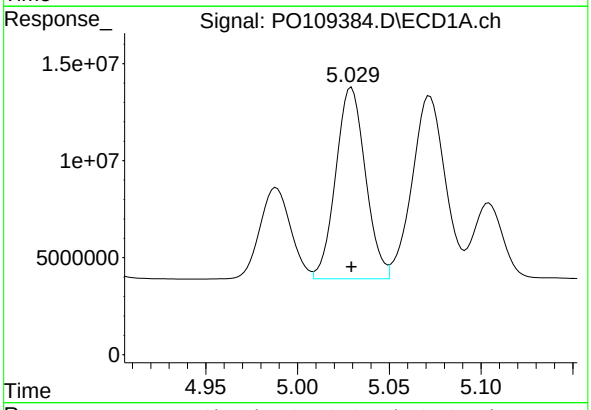
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 81413054
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



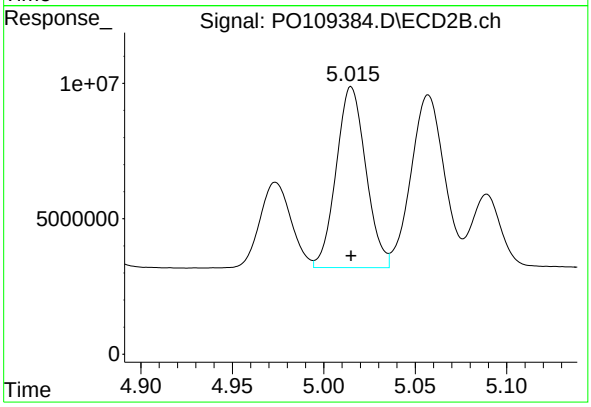
#21 AR-1248-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 53680476
Conc: 500.00 ng/ml



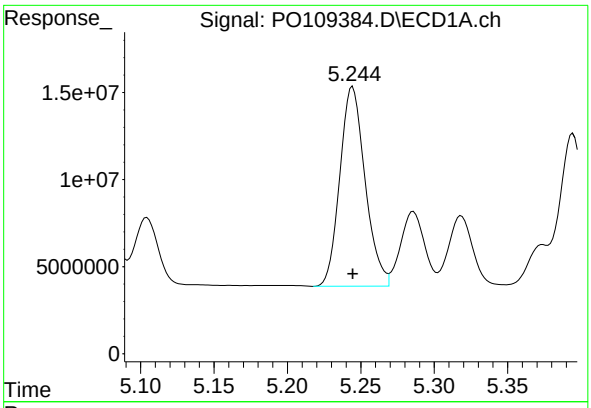
#22 AR-1248-2

R.T.: 5.029 min
Delta R.T.: 0.000 min
Response: 111238046
Conc: 500.00 ng/ml



#22 AR-1248-2

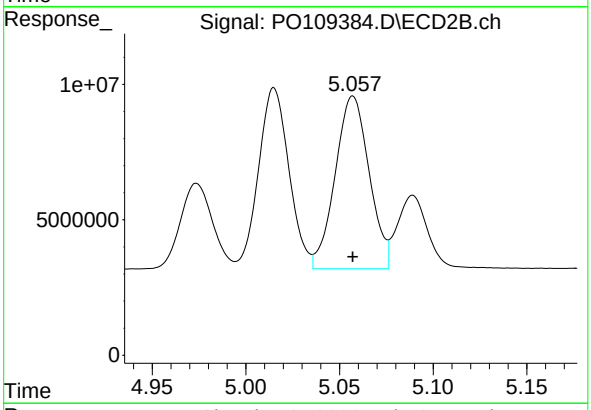
R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 75438066
Conc: 500.00 ng/ml



#23 AR-1248-3

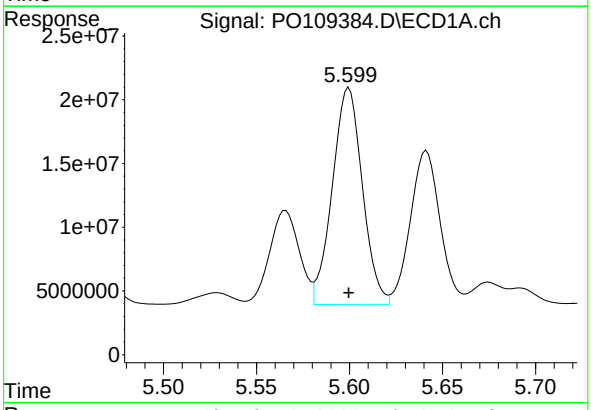
R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 137428913
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



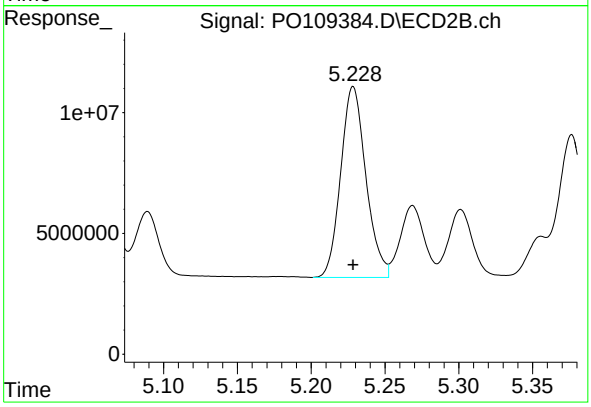
#23 AR-1248-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 80560270
Conc: 500.00 ng/ml



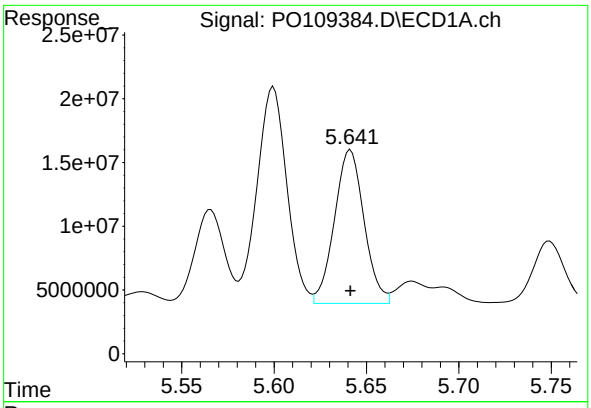
#24 AR-1248-4

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 191472066
Conc: 500.00 ng/ml



#24 AR-1248-4

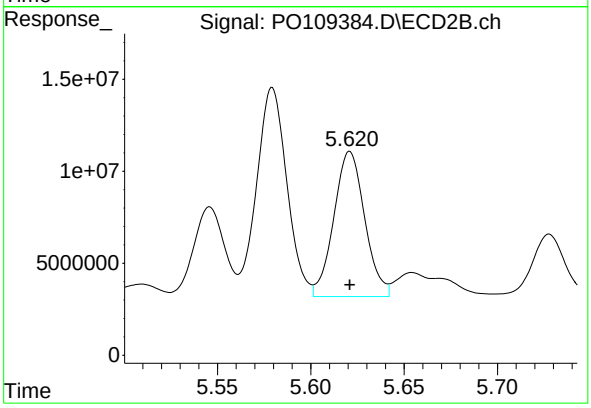
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 93865992
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 134535354
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 90998954
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:50
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: Feb 04 00:14:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	191.9E6	132.5E6	25.300	25.079
2)	SA Decachlor...	8.756	8.707	156.3E6	80102056	25.929	26.154
	Target Compounds						
21)	L5 AR-1248-1	4.792	4.778	42735546	28287290	262.461	263.478
22)	L5 AR-1248-2	5.031	5.015	59437489	40529058	267.163	268.625
23)	L5 AR-1248-3	5.246	5.057	72300024	43002329	263.045	266.895
24)	L5 AR-1248-4	5.601	5.228	100.0E6	49568155	261.165	264.037
25)	L5 AR-1248-5	5.642	5.621	70238665	47768629	261.042	262.468

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

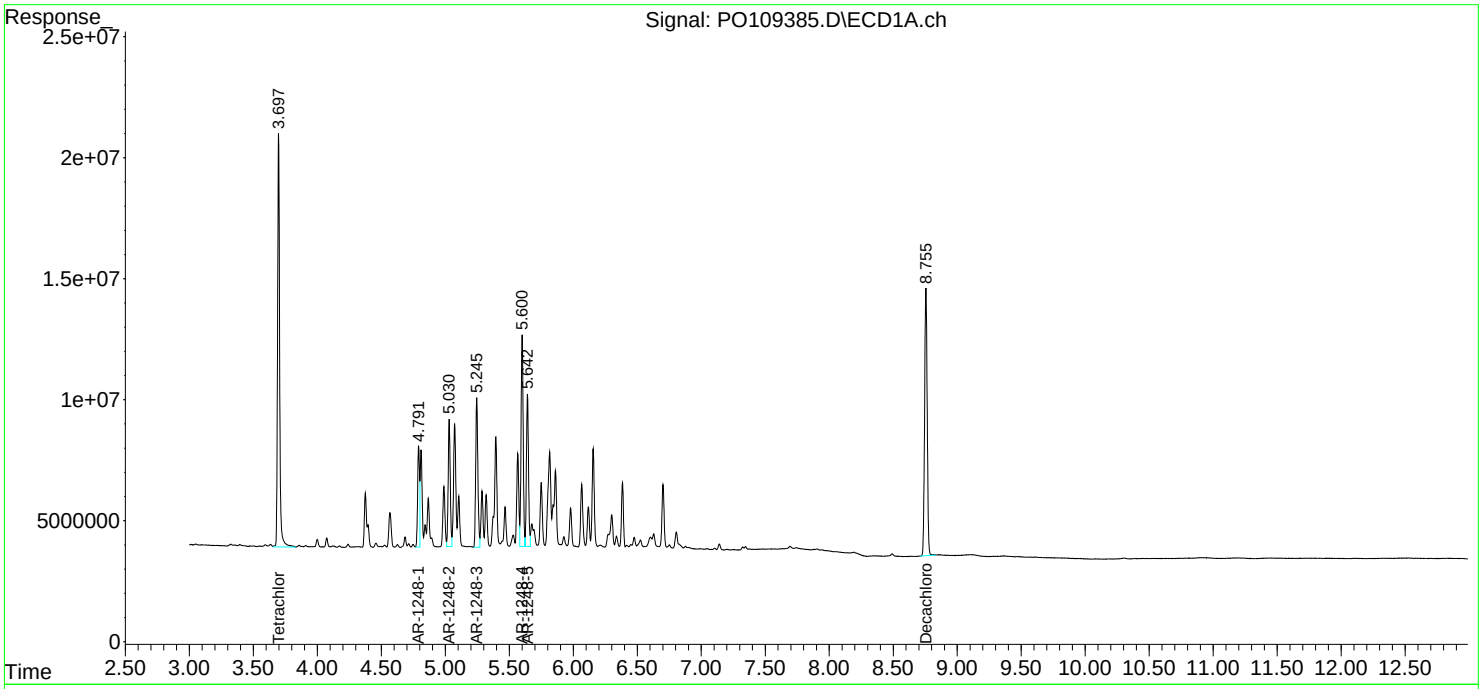
ICAL Form

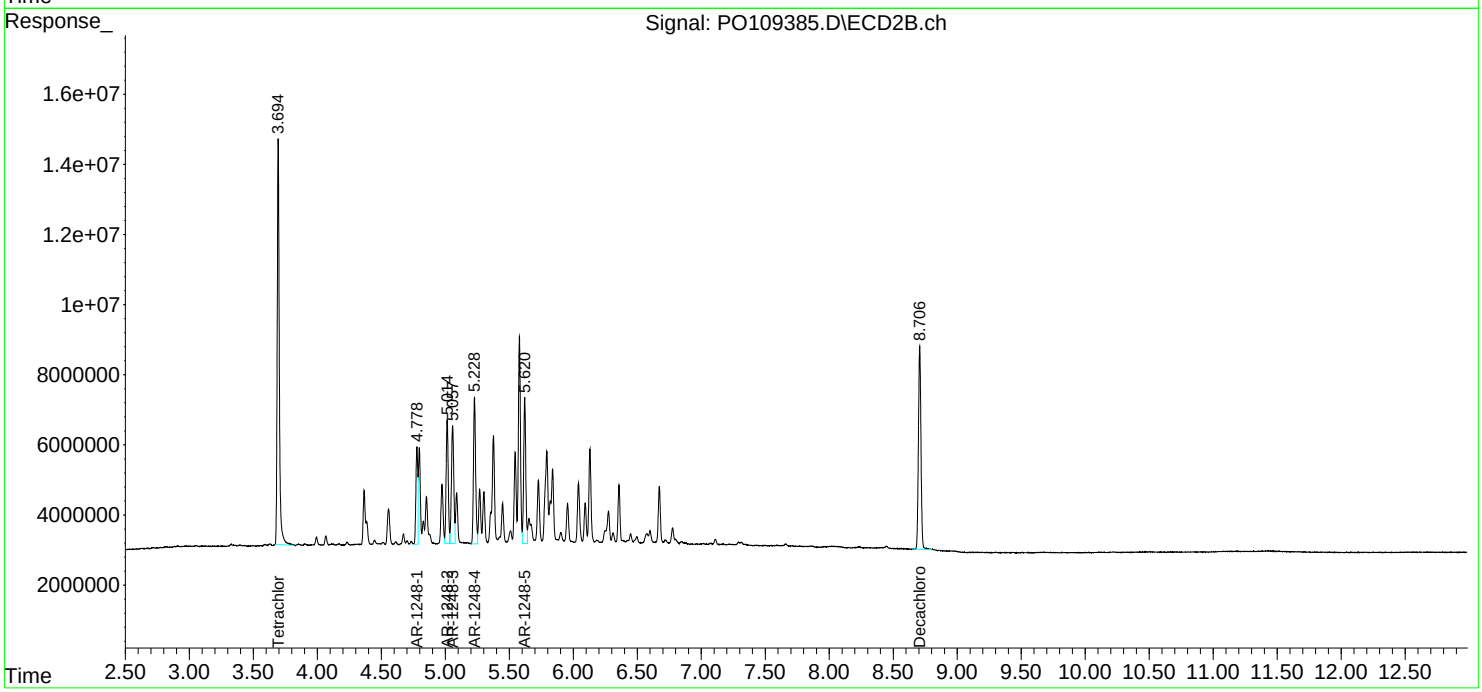
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:50
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

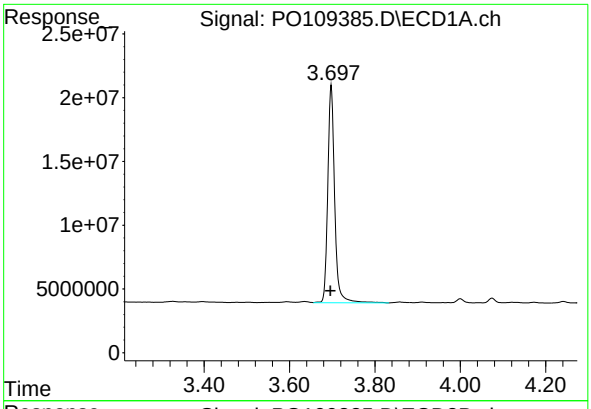
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:14:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



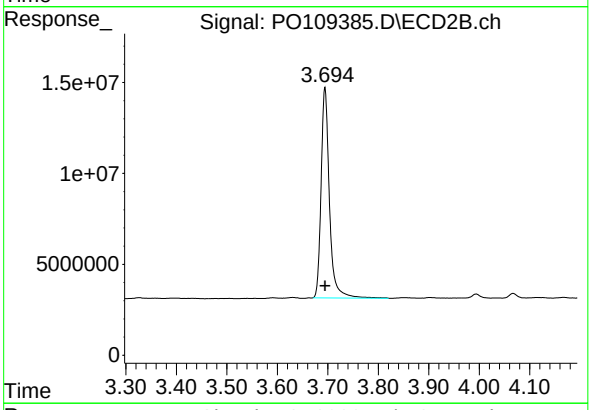




#1 Tetrachloro-m-xylene

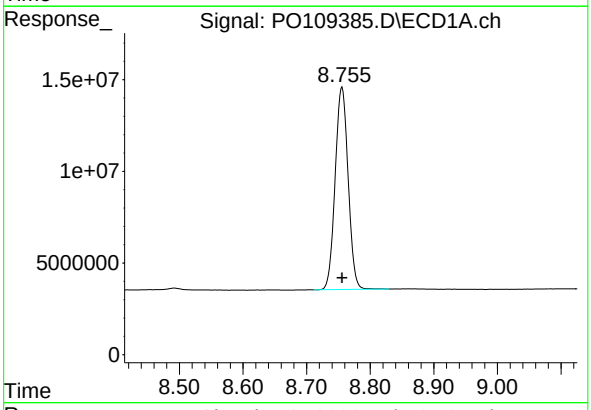
R.T.: 3.698 min
Delta R.T.: 0.002 min
Response: 191857721
Conc: 25.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



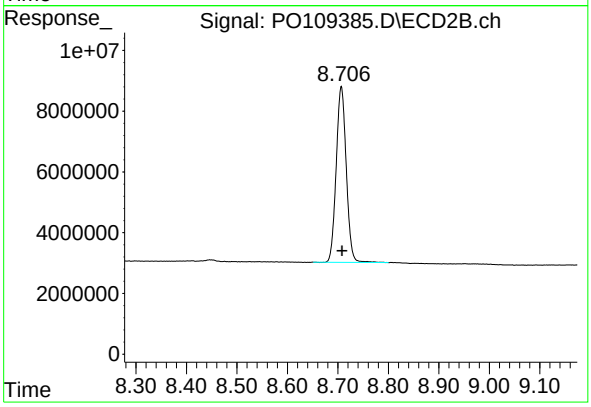
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 132495988
Conc: 25.08 ng/ml



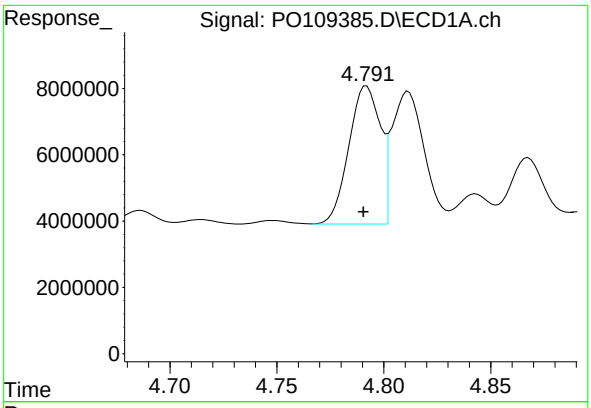
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: 0.000 min
Response: 156277331
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

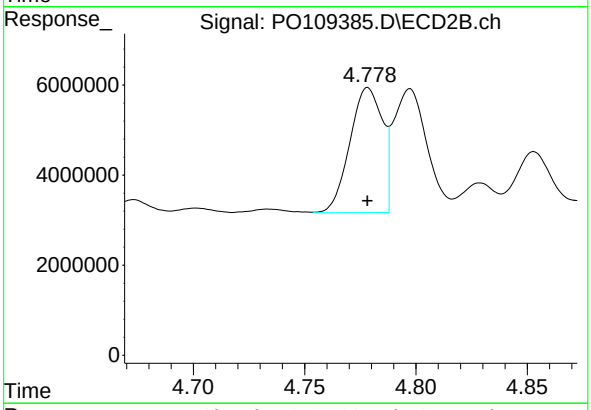
R.T.: 8.707 min
Delta R.T.: -0.002 min
Response: 80102056
Conc: 26.15 ng/ml



#21 AR-1248-1

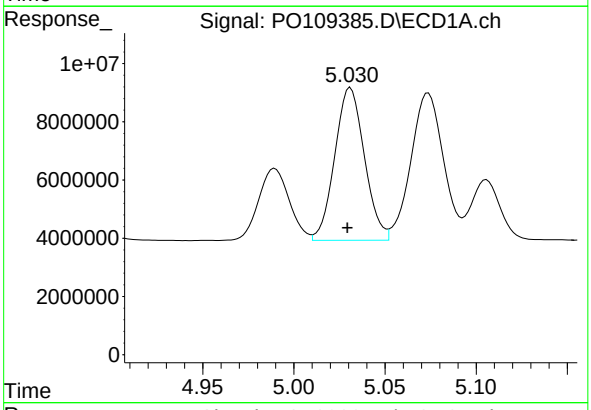
R.T.: 4.792 min
Delta R.T.: 0.001 min
Response: 42735546
Conc: 262.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



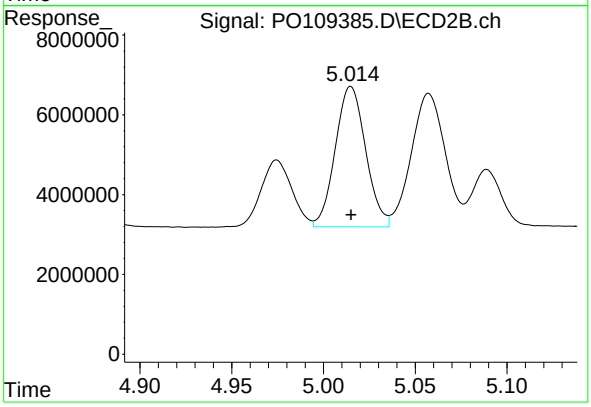
#21 AR-1248-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 28287290
Conc: 263.48 ng/ml



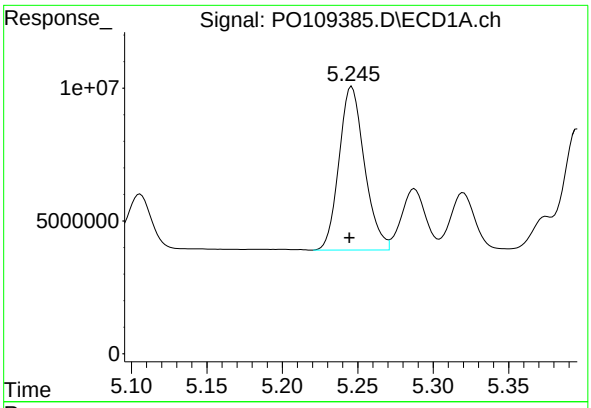
#22 AR-1248-2

R.T.: 5.031 min
Delta R.T.: 0.002 min
Response: 59437489
Conc: 267.16 ng/ml



#22 AR-1248-2

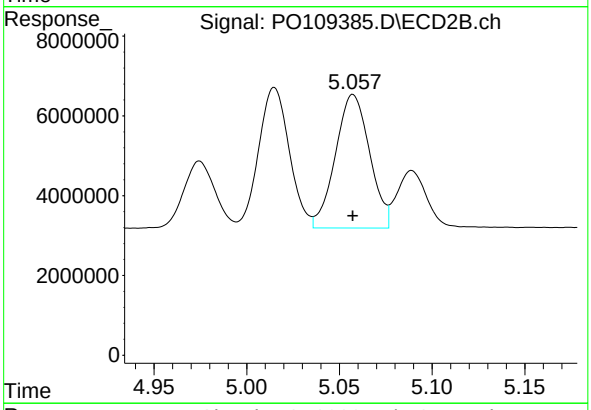
R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 40529058
Conc: 268.62 ng/ml



#23 AR-1248-3

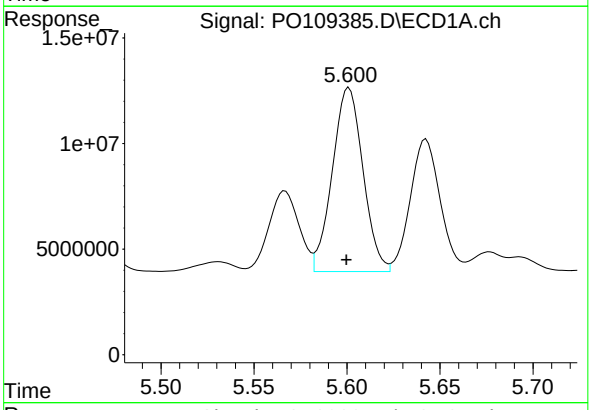
R.T.: 5.246 min
Delta R.T.: 0.002 min
Response: 72300024
Conc: 263.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



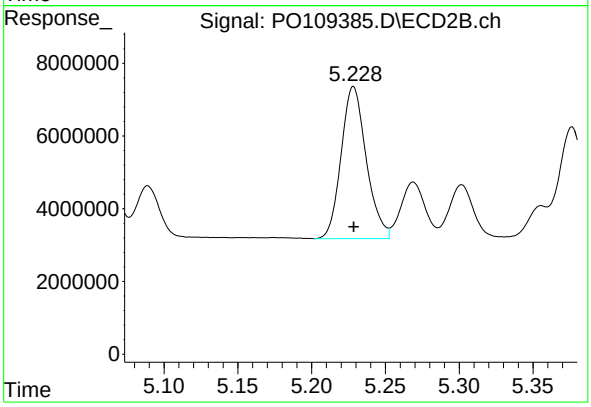
#23 AR-1248-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 43002329
Conc: 266.90 ng/ml



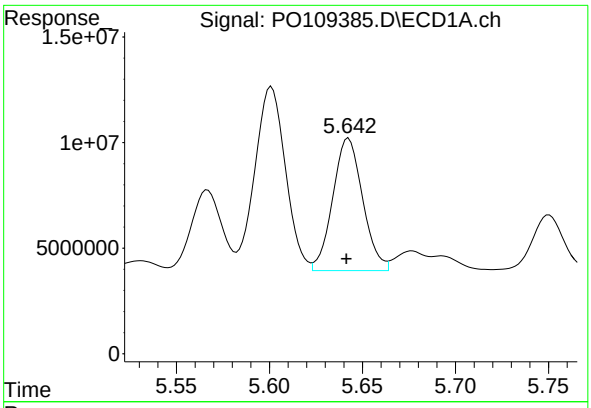
#24 AR-1248-4

R.T.: 5.601 min
Delta R.T.: 0.001 min
Response: 100011611
Conc: 261.17 ng/ml



#24 AR-1248-4

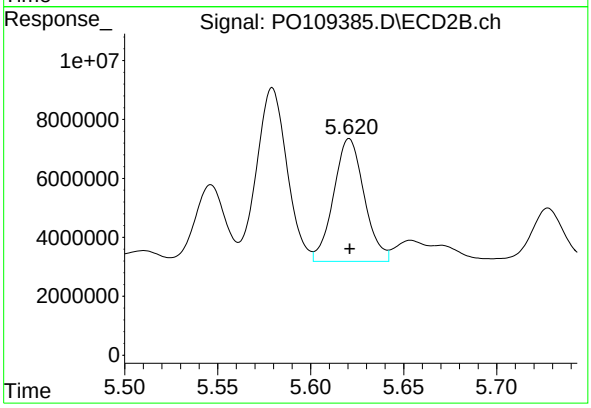
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 49568155
Conc: 264.04 ng/ml



#25 AR-1248-5

R.T.: 5.642 min
Delta R.T.: 0.001 min
Response: 70238665
Conc: 261.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 47768629
Conc: 262.47 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:08
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:14:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	36011469	24717663	4.749	4.679
2)	SA Decachlor...	8.757	8.708	31541704	16526027	5.233	5.396
	Target Compounds						
21)	L5 AR-1248-1	4.792	4.778	8541144	5814584	52.456	54.159
22)	L5 AR-1248-2	5.031	5.016	12762965	8668362	57.368	57.453
23)	L5 AR-1248-3	5.247	5.058	15099795	9291929	54.937	57.671
24)	L5 AR-1248-4	5.601	5.228	20731634	10268583	54.137	54.698m
25)	L5 AR-1248-5	5.643	5.620	14303527	9446476	53.159	51.904m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:08
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

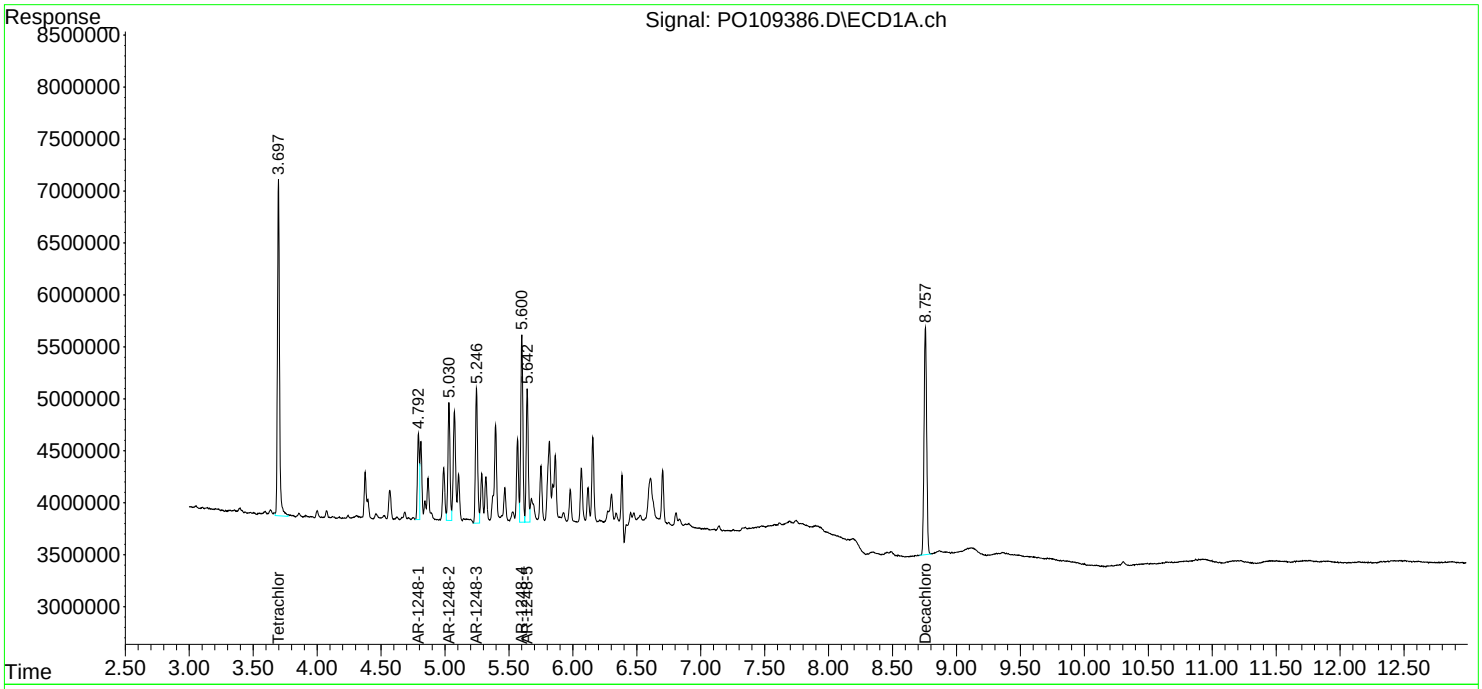
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

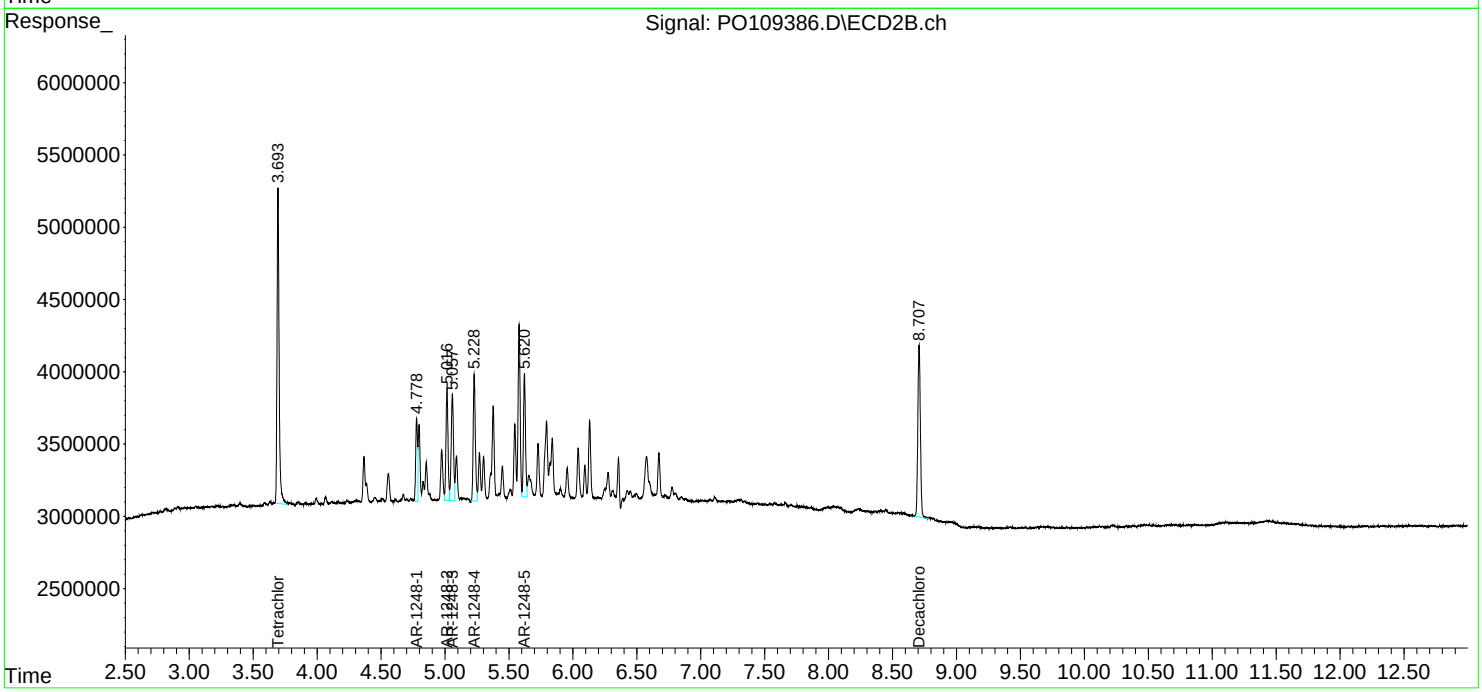
Manual Integrations APPROVED

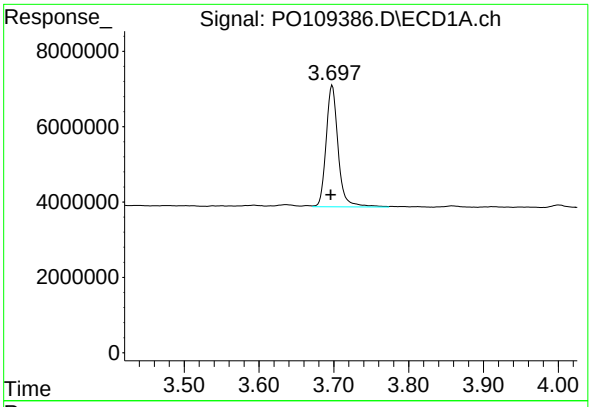
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:14:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:12:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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







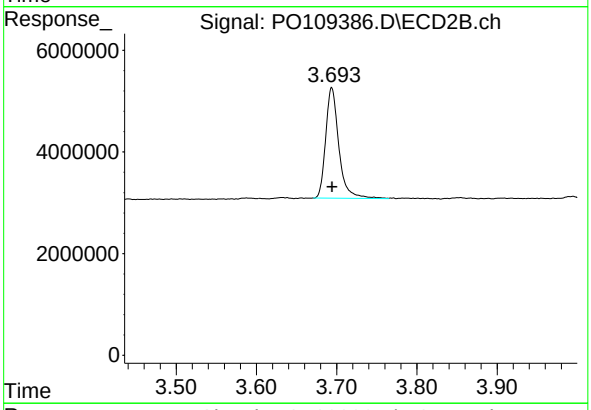
#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: 0.002 min
Response: 36011469
Conc: 4.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

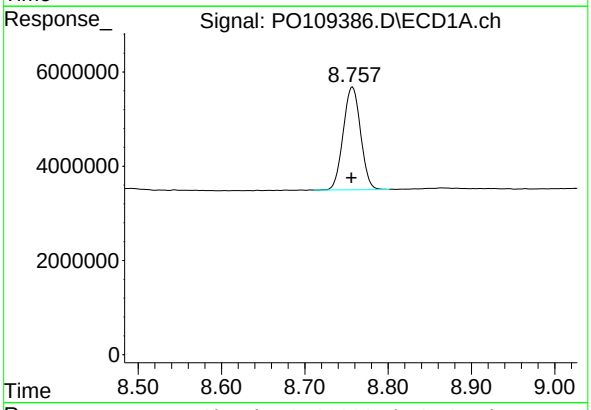
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



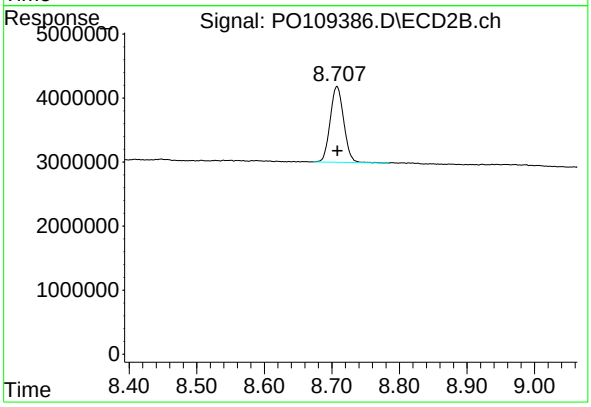
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 24717663
Conc: 4.68 ng/ml



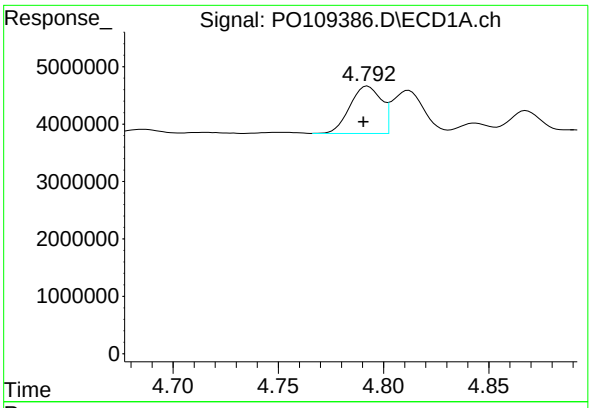
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.001 min
Response: 31541704
Conc: 5.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 16526027
Conc: 5.40 ng/ml



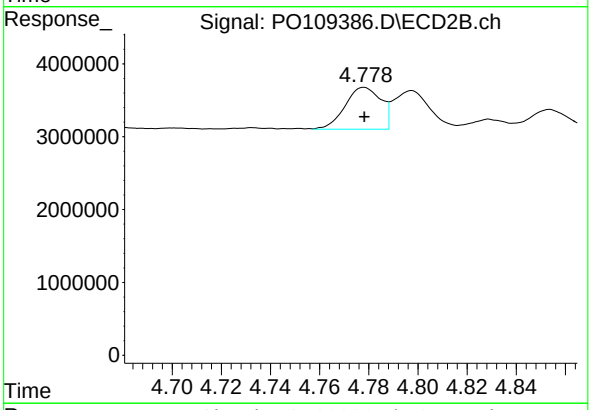
#21 AR-1248-1

R.T.: 4.792 min
Delta R.T.: 0.002 min
Response: 8541144
Conc: 52.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

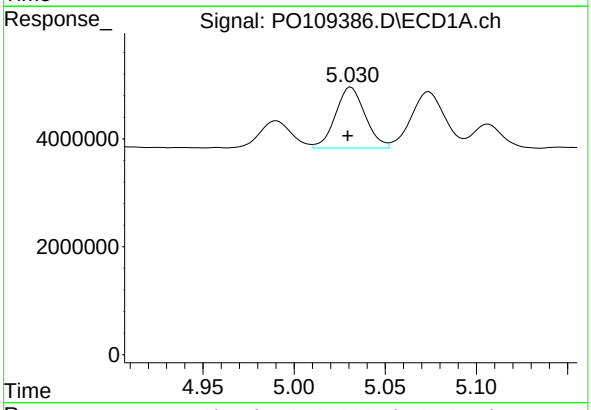
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



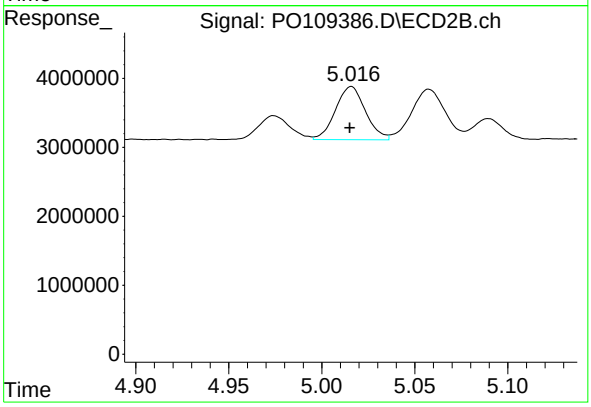
#21 AR-1248-1

R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 5814584
Conc: 54.16 ng/ml



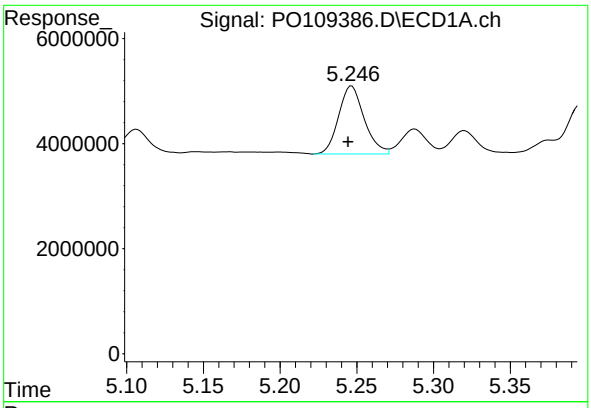
#22 AR-1248-2

R.T.: 5.031 min
Delta R.T.: 0.002 min
Response: 12762965
Conc: 57.37 ng/ml



#22 AR-1248-2

R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 8668362
Conc: 57.45 ng/ml



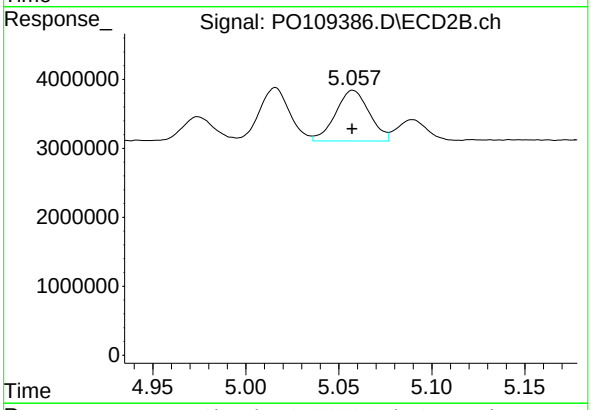
#23 AR-1248-3

R.T.: 5.247 min
Delta R.T.: 0.002 min
Response: 15099795
Conc: 54.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

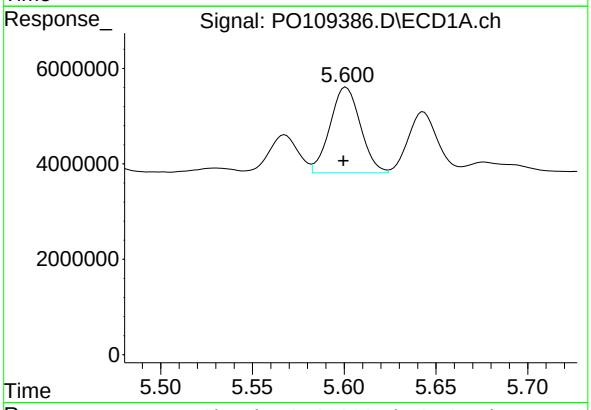
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



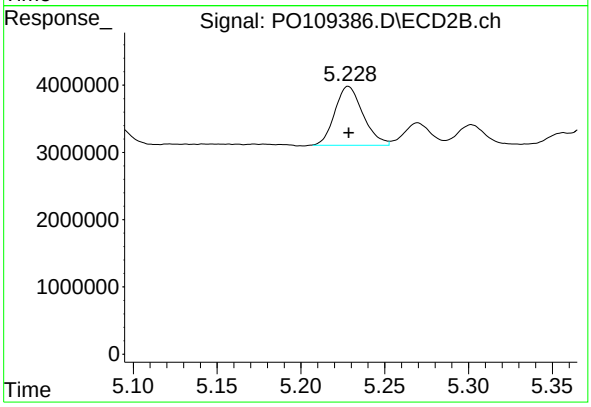
#23 AR-1248-3

R.T.: 5.058 min
Delta R.T.: 0.000 min
Response: 9291929
Conc: 57.67 ng/ml



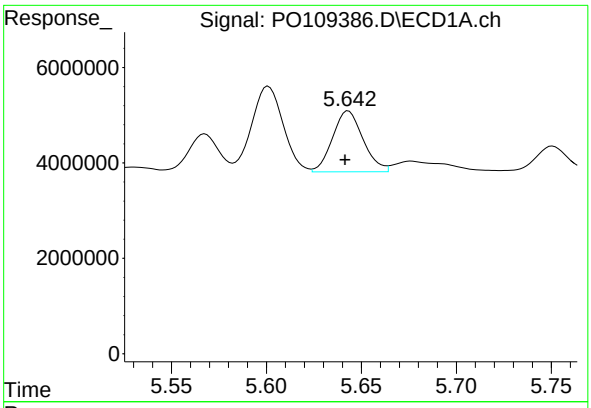
#24 AR-1248-4

R.T.: 5.601 min
Delta R.T.: 0.001 min
Response: 20731634
Conc: 54.14 ng/ml



#24 AR-1248-4

R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 10268583
Conc: 54.70 ng/ml m



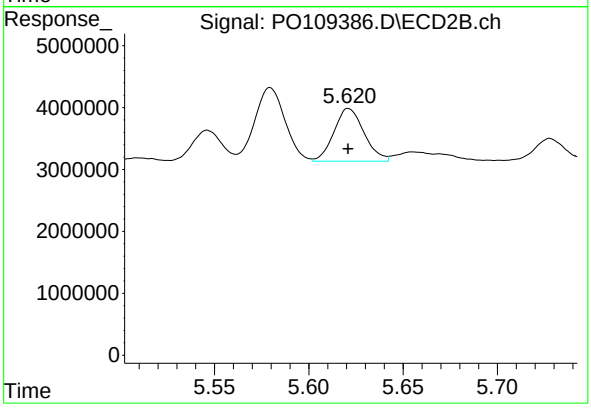
#25 AR-1248-5

R.T.: 5.643 min
Delta R.T.: 0.002 min
Response: 14303527
Conc: 53.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



#25 AR-1248-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 9446476
Conc: 51.90 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:27
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: Feb 04 00:56:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	755.8E6	524.4E6	97.441	97.564
2)	SA Decachlor...	8.758	8.708	585.9E6	291.2E6	95.939	91.918
	Target Compounds						
26)	L6 AR-1254-1	5.603	5.581	389.1E6	258.8E6	945.577	940.836
27)	L6 AR-1254-2	5.752	5.728	339.8E6	226.6E6	936.846	935.012
28)	L6 AR-1254-3	6.158	6.132	560.4E6	367.2E6	950.867	953.023
29)	L6 AR-1254-4	6.387	6.359	341.0E6	211.1E6	1007.176	993.968
30)	L6 AR-1254-5	6.808	6.777	489.6E6	304.6E6	953.171	946.401

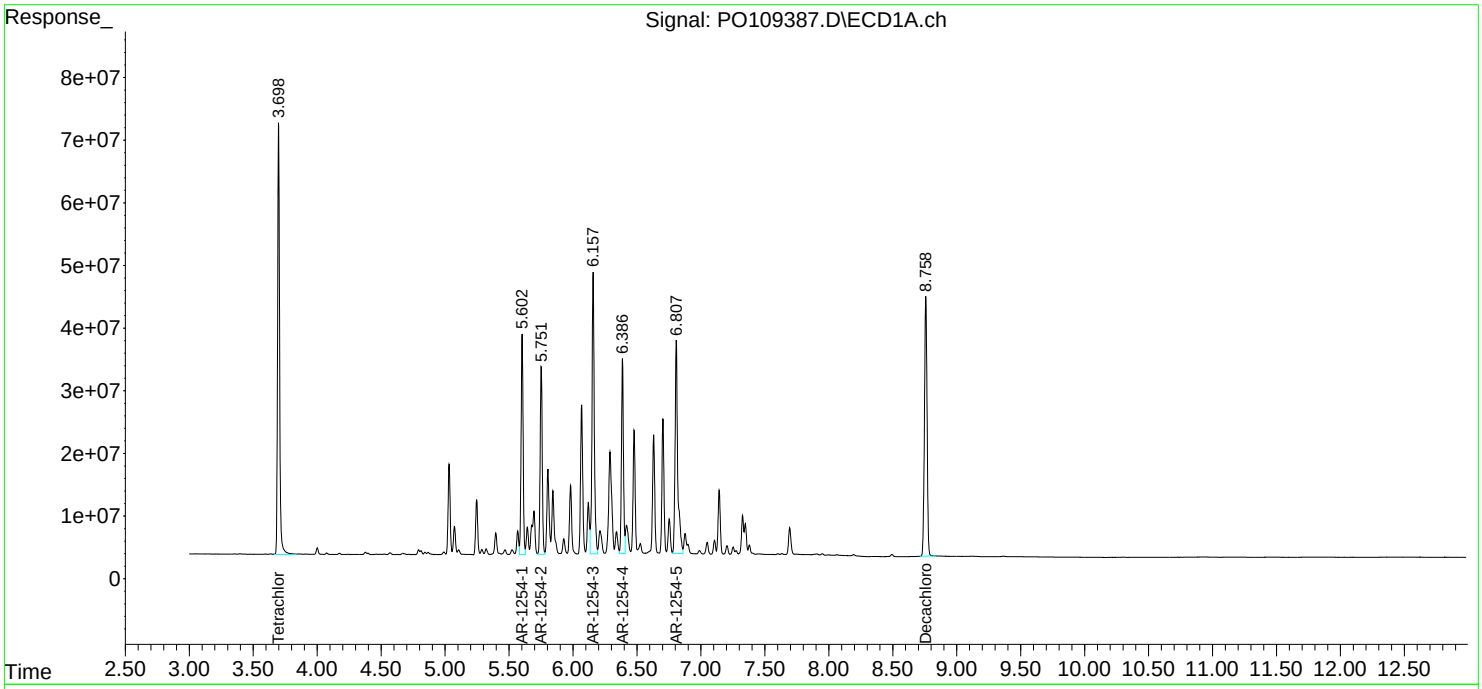
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

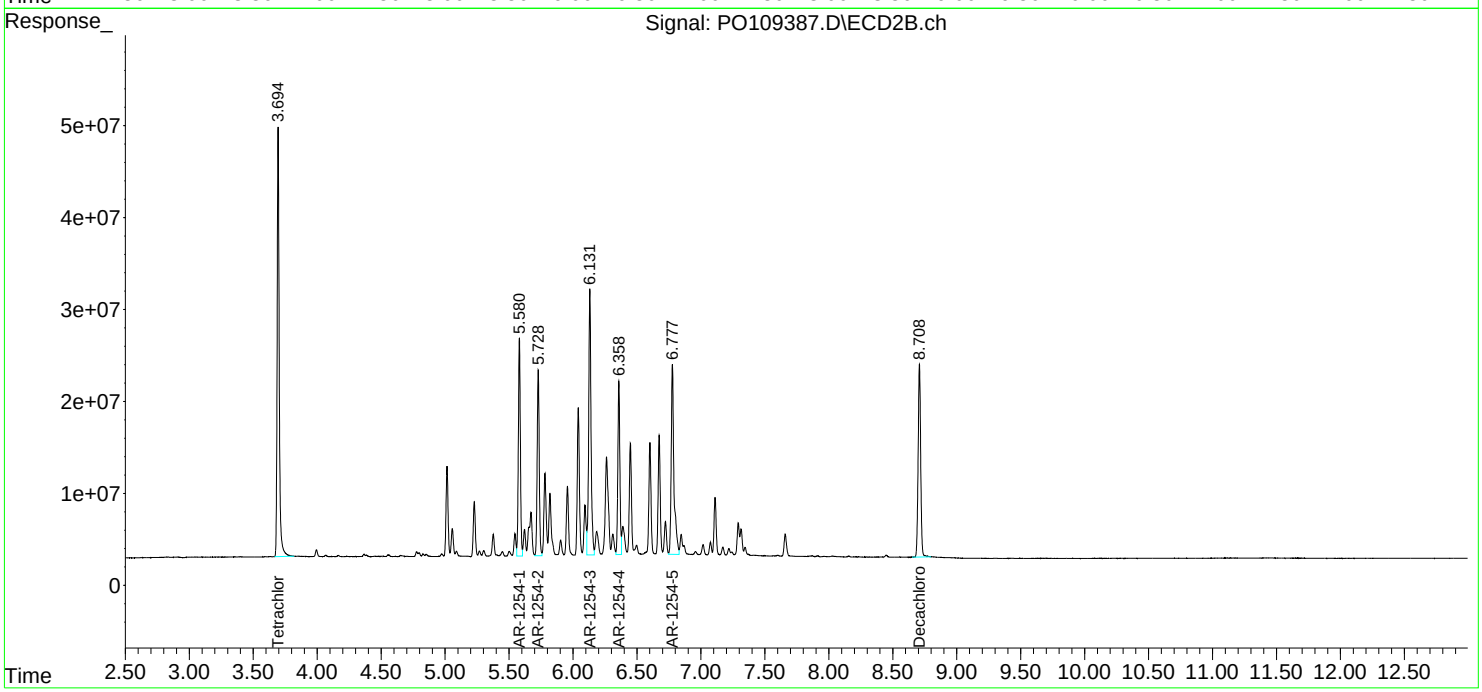
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:27
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

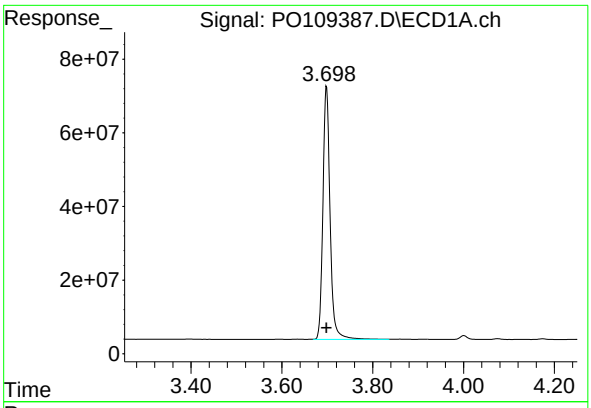
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:56:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



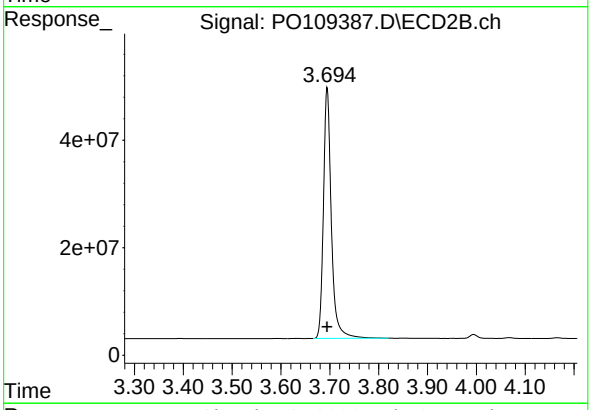




#1 Tetrachloro-m-xylene

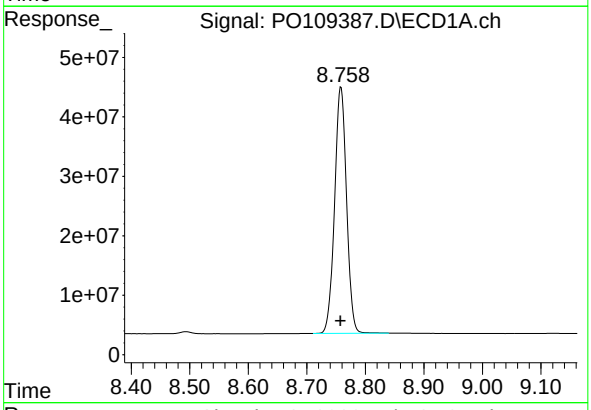
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 755848016
Conc: 97.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



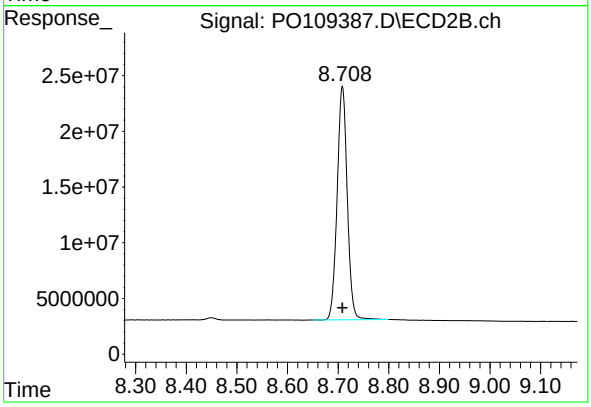
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 524400186
Conc: 97.56 ng/ml



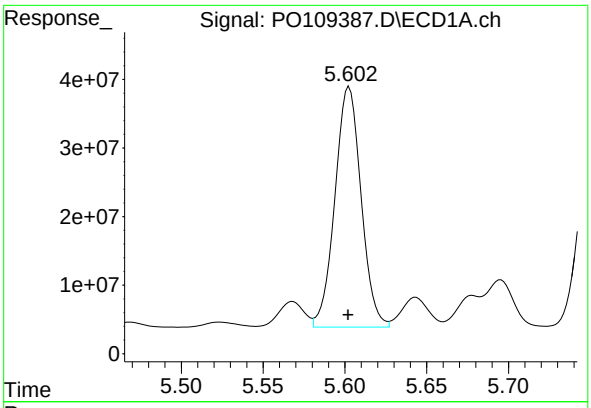
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 585887026
Conc: 95.94 ng/ml



#2 Decachlorobiphenyl

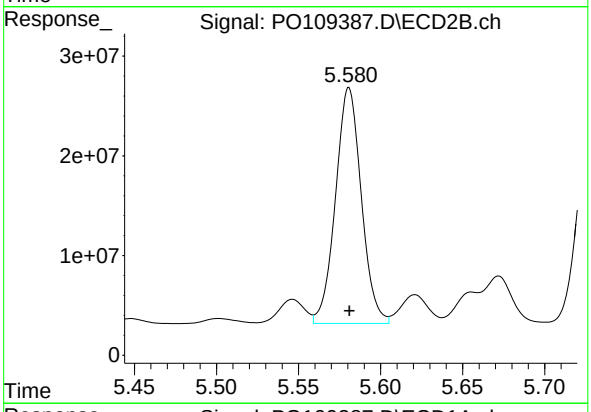
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 291175588
Conc: 91.92 ng/ml



#26 AR-1254-1

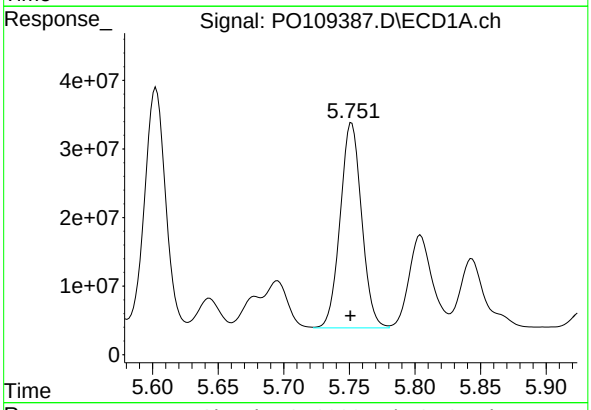
R.T.: 5.603 min
Delta R.T.: 0.000 min
Response: 389077966
Conc: 945.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



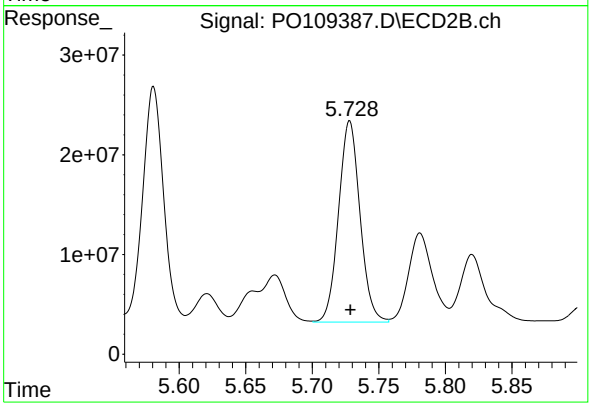
#26 AR-1254-1

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 258812283
Conc: 940.84 ng/ml



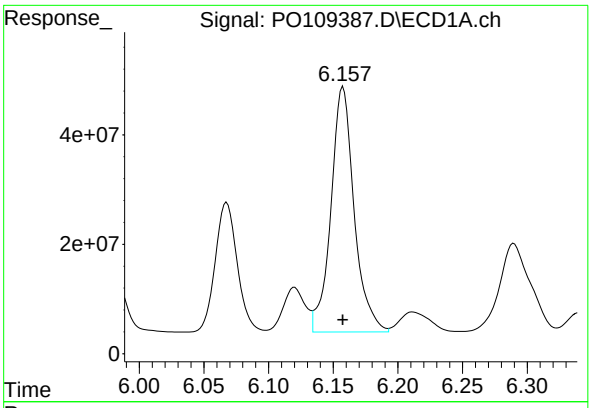
#27 AR-1254-2

R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 339809413
Conc: 936.85 ng/ml



#27 AR-1254-2

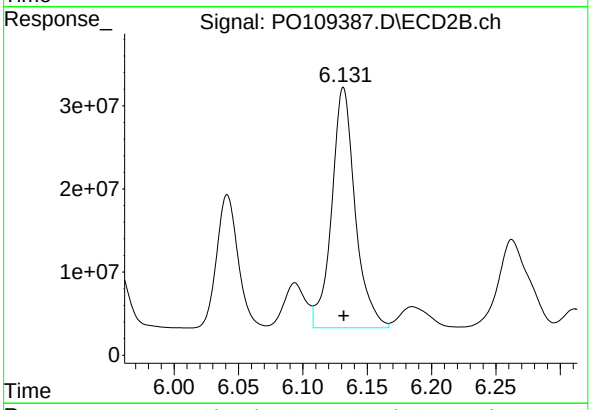
R.T.: 5.728 min
Delta R.T.: 0.000 min
Response: 226599173
Conc: 935.01 ng/ml



#28 AR-1254-3

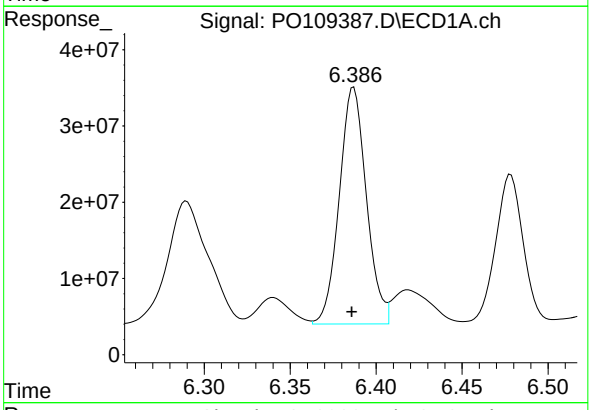
R.T.: 6.158 min
Delta R.T.: 0.000 min
Response: 560442568
Conc: 950.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



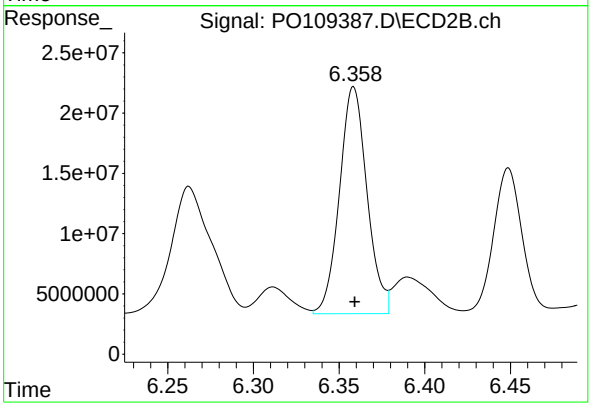
#28 AR-1254-3

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 367155524
Conc: 953.02 ng/ml



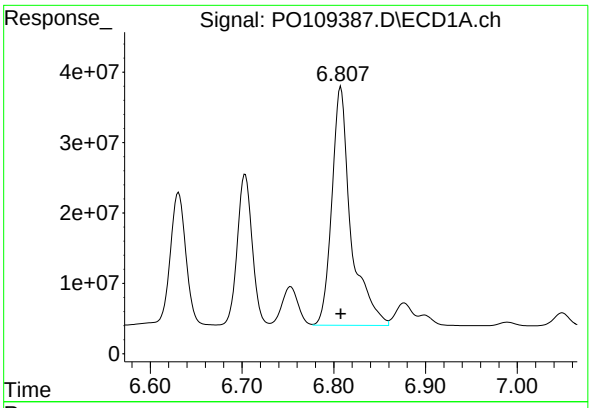
#29 AR-1254-4

R.T.: 6.387 min
Delta R.T.: 0.001 min
Response: 341037643
Conc: 1007.18 ng/ml



#29 AR-1254-4

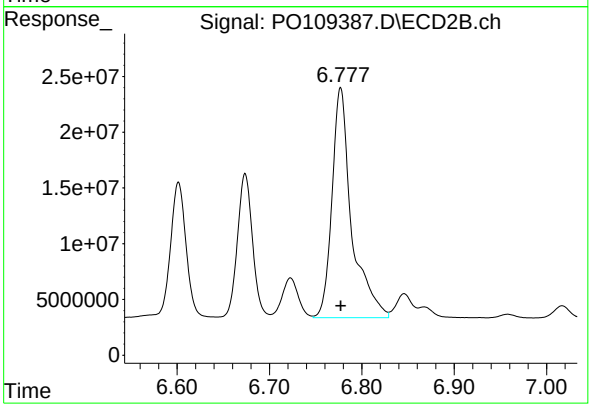
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 211061915
Conc: 993.97 ng/ml



#30 AR-1254-5

R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 489637976
Conc: 953.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.777 min
Delta R.T.: 0.000 min
Response: 304600854
Conc: 946.40 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:45
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: Feb 04 00:57:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	567.7E6	393.0E6	73.186	73.123
2)	SA Decachlor...	8.758	8.708	441.4E6	225.3E6	72.279	71.127
	Target Compounds						
26)	L6 AR-1254-1	5.602	5.581	296.1E6	196.4E6	719.655	714.124
27)	L6 AR-1254-2	5.751	5.728	259.2E6	173.0E6	714.721	713.817
28)	L6 AR-1254-3	6.157	6.132	425.7E6	278.0E6	722.313	721.597
29)	L6 AR-1254-4	6.386	6.360	250.3E6	155.5E6	739.282	732.413
30)	L6 AR-1254-5	6.808	6.778	370.1E6	230.9E6	720.495	717.461

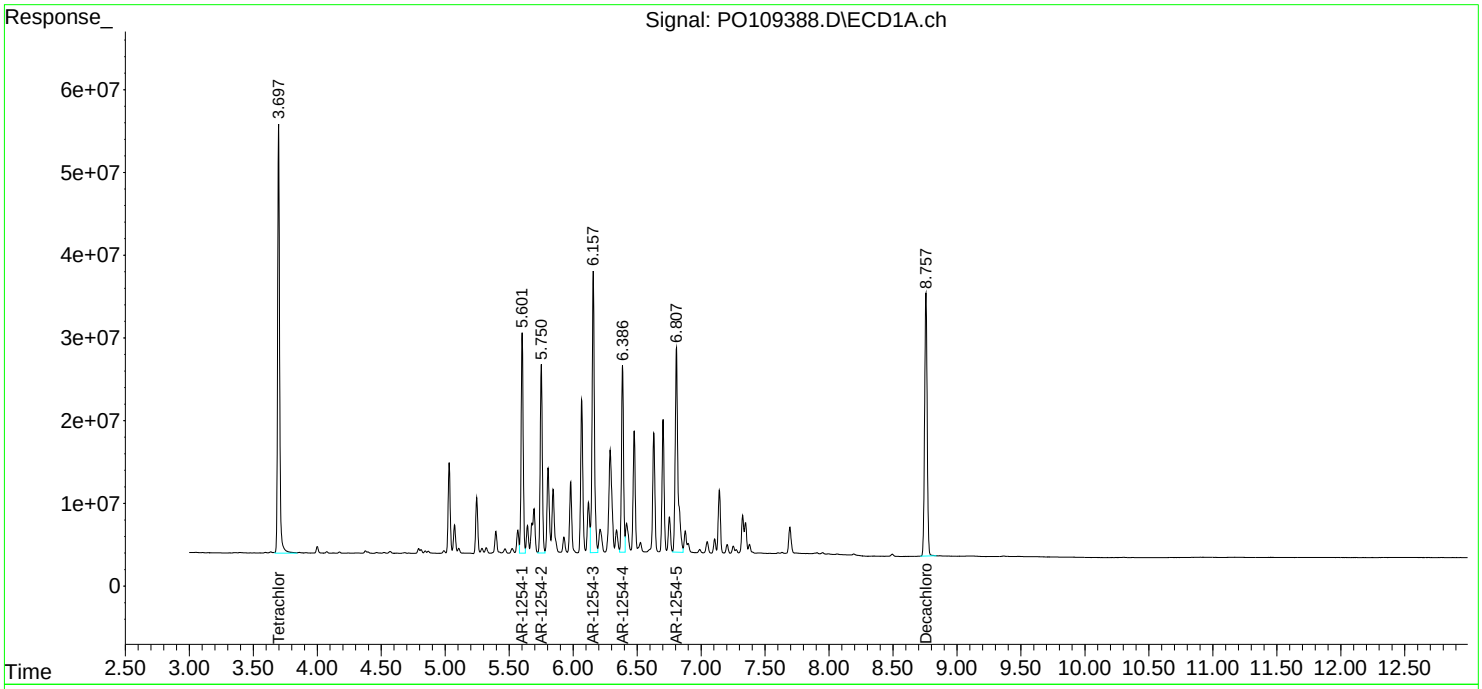
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

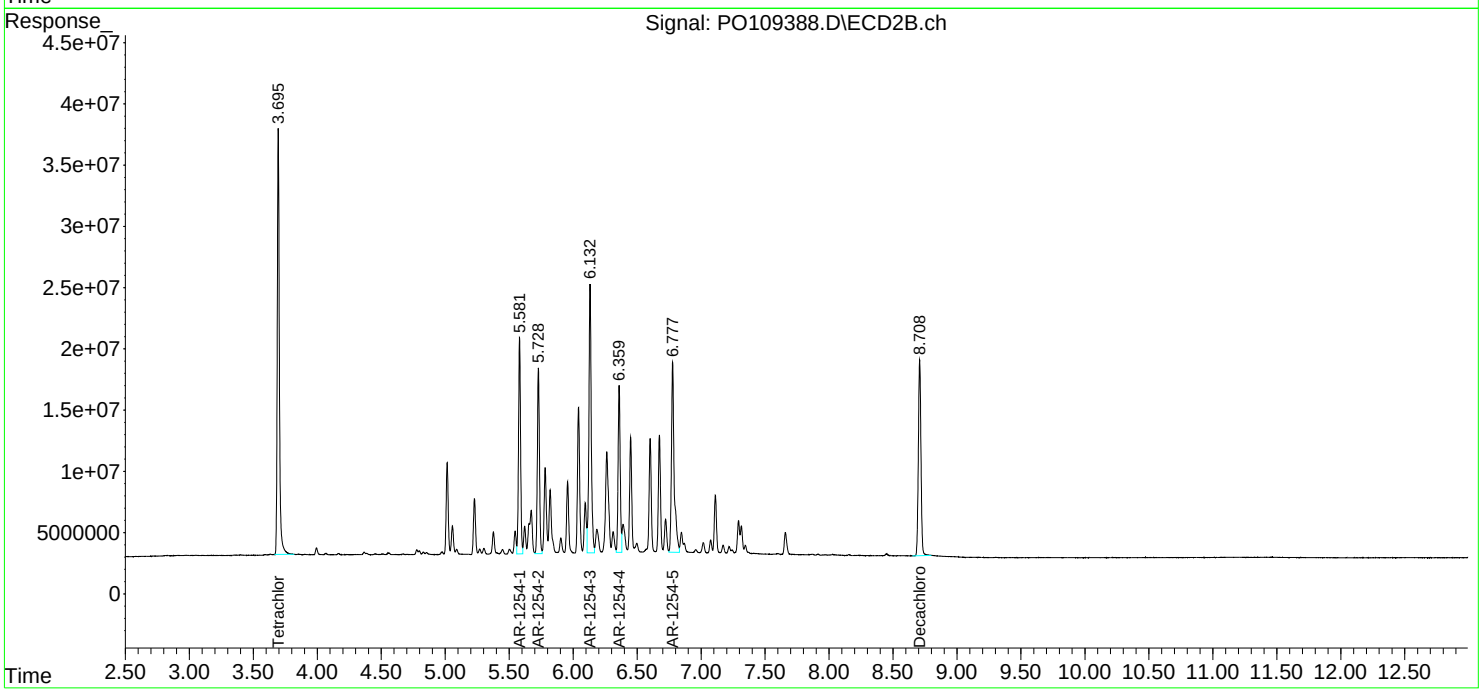
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:45
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

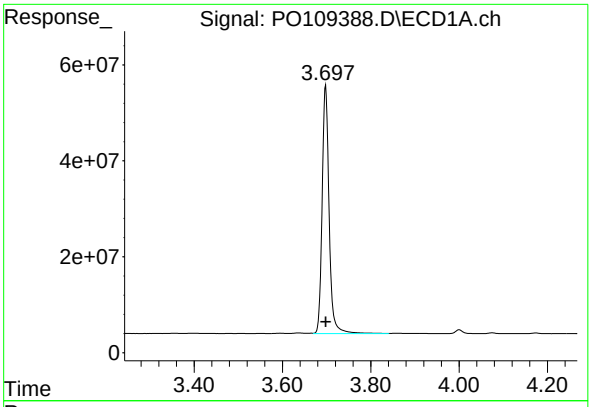
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:57:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



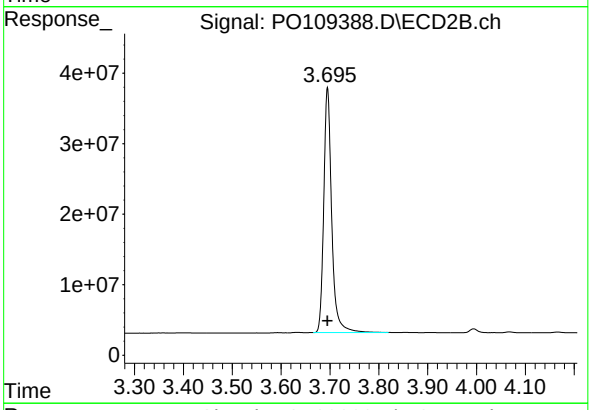




#1 Tetrachloro-m-xylene

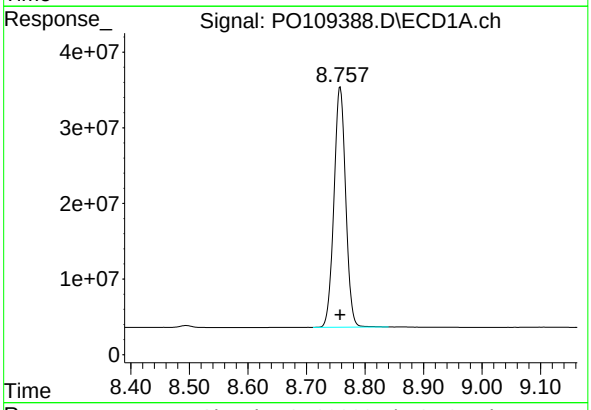
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 567700383
Conc: 73.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



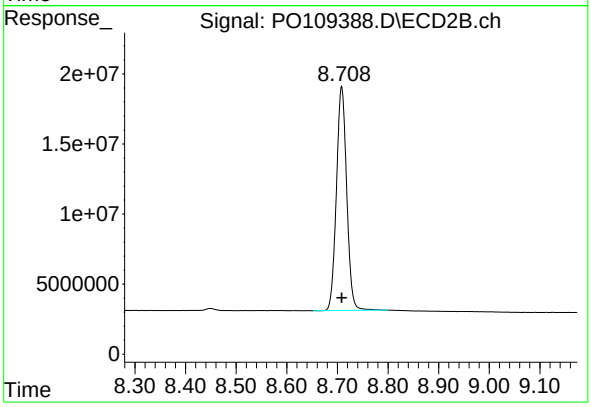
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 393032523
Conc: 73.12 ng/ml



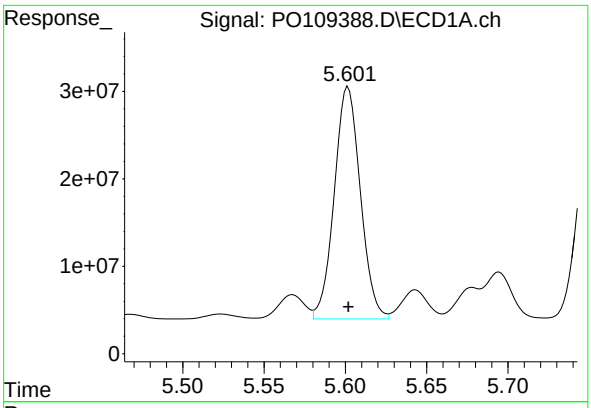
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 441397410
Conc: 72.28 ng/ml



#2 Decachlorobiphenyl

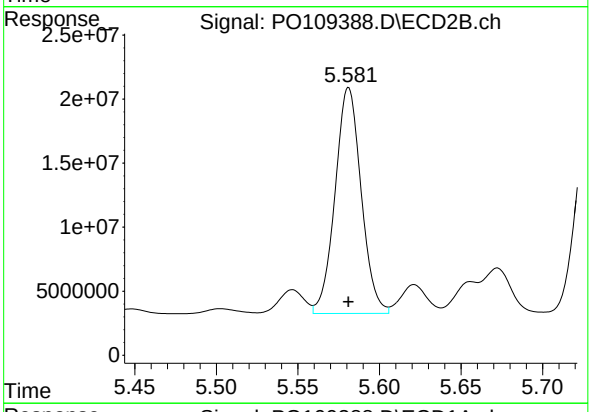
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 225315057
Conc: 71.13 ng/ml



#26 AR-1254-1

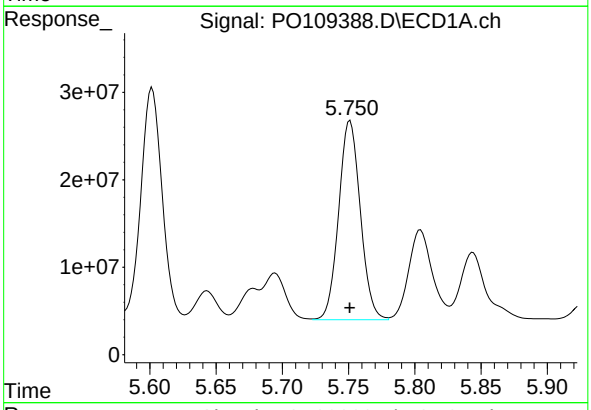
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 296117493
Conc: 719.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



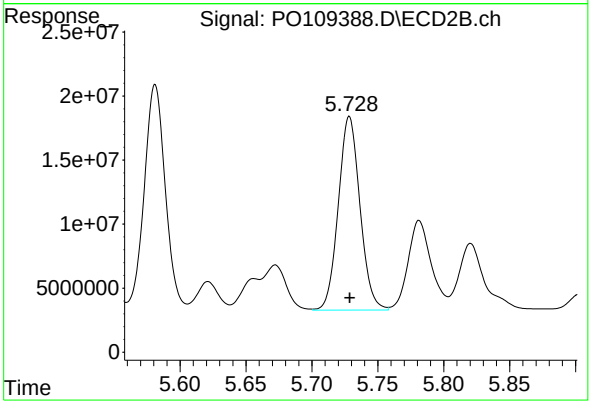
#26 AR-1254-1

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 196446552
Conc: 714.12 ng/ml



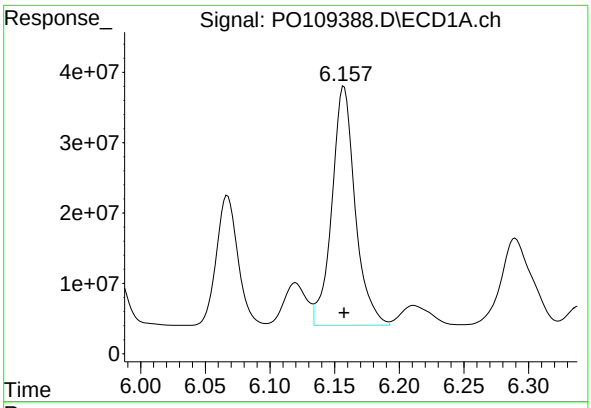
#27 AR-1254-2

R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 259240905
Conc: 714.72 ng/ml



#27 AR-1254-2

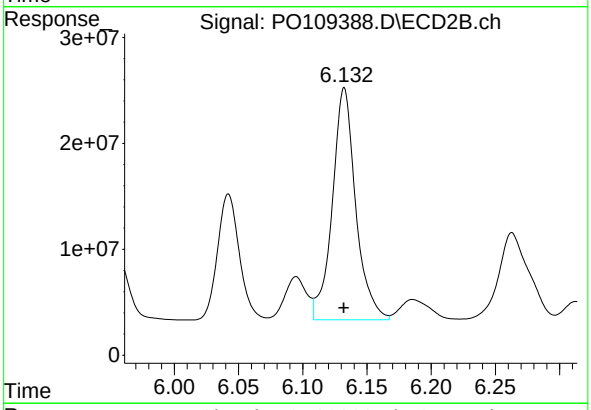
R.T.: 5.728 min
Delta R.T.: 0.000 min
Response: 172992734
Conc: 713.82 ng/ml



#28 AR-1254-3

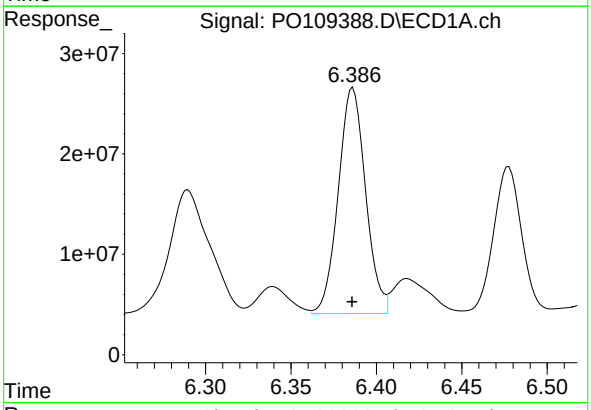
R.T.: 6.157 min
Delta R.T.: 0.000 min
Response: 425732480
Conc: 722.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



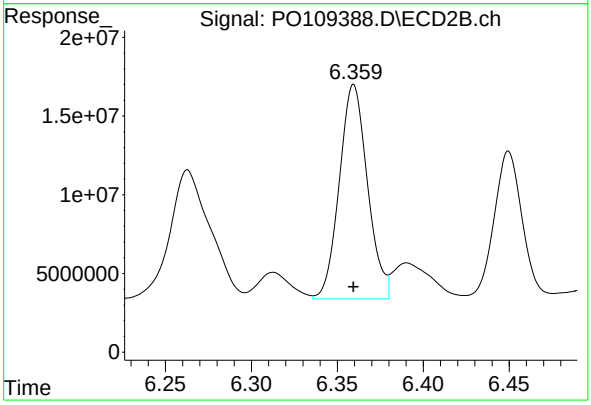
#28 AR-1254-3

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 277997718
Conc: 721.60 ng/ml



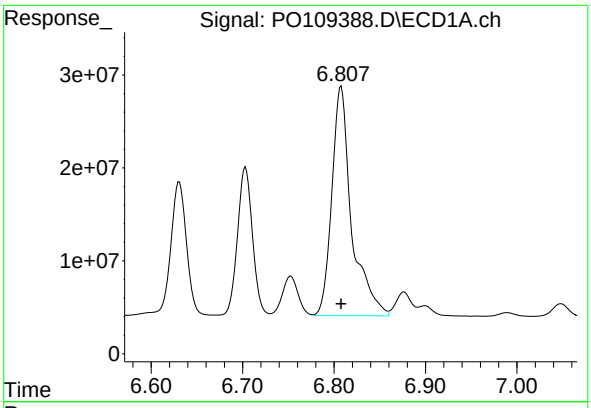
#29 AR-1254-4

R.T.: 6.386 min
Delta R.T.: 0.000 min
Response: 250326713
Conc: 739.28 ng/ml



#29 AR-1254-4

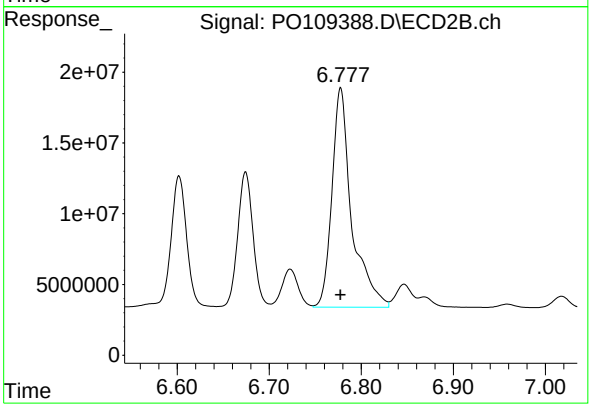
R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 155522564
Conc: 732.41 ng/ml



#30 AR-1254-5

R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 370113727
Conc: 720.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.778 min
Delta R.T.: 0.000 min
Response: 230916095
Conc: 717.46 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:03
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: Feb 04 00:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	387.8E6	268.7E6	50.000	50.000
2)	SA Decachlor...	8.758	8.709	305.3E6	158.4E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.602	5.581	205.7E6	137.5E6	500.000	500.000
27)	L6 AR-1254-2	5.751	5.729	181.4E6	121.2E6	500.000	500.000
28)	L6 AR-1254-3	6.157	6.132	294.7E6	192.6E6	500.000	500.000
29)	L6 AR-1254-4	6.386	6.359	169.3E6	106.2E6	500.000	500.000
30)	L6 AR-1254-5	6.807	6.777	256.8E6	160.9E6	500.000	500.000

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

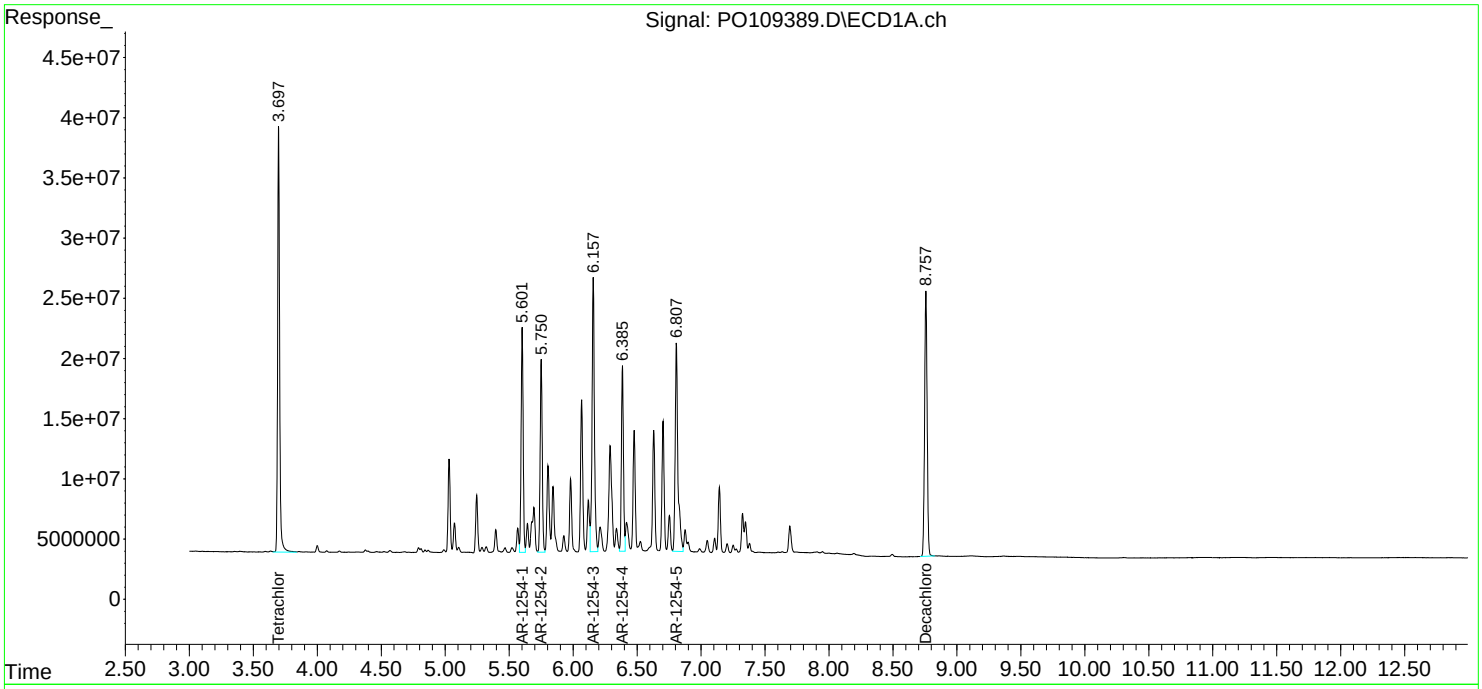
ICAL Form

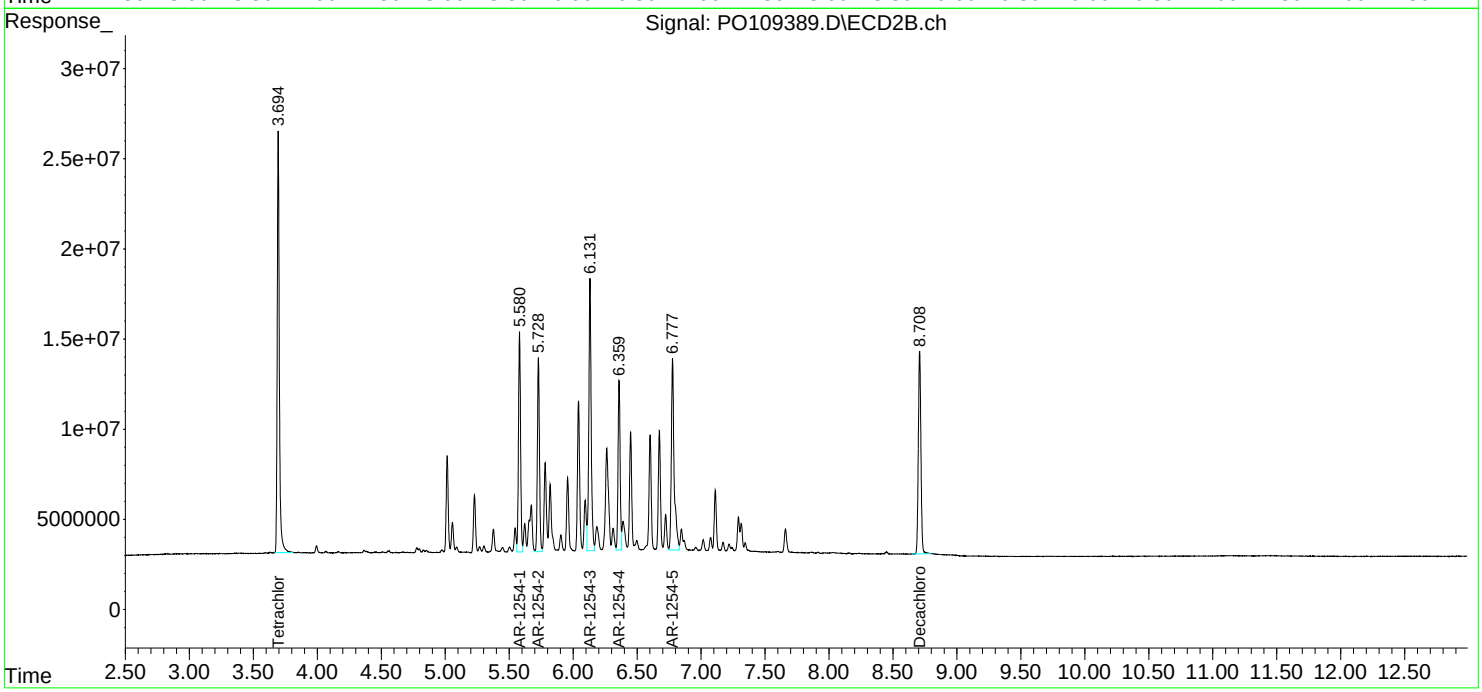
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:03
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

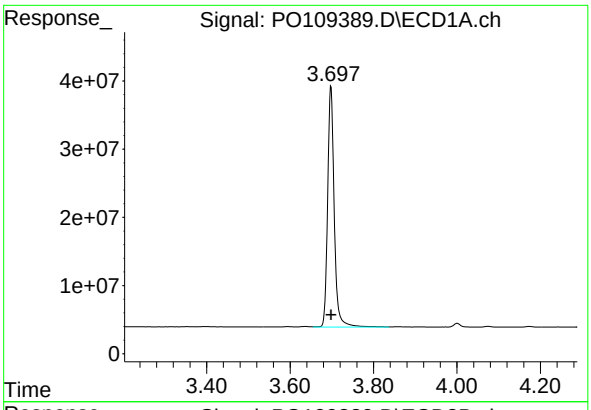
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



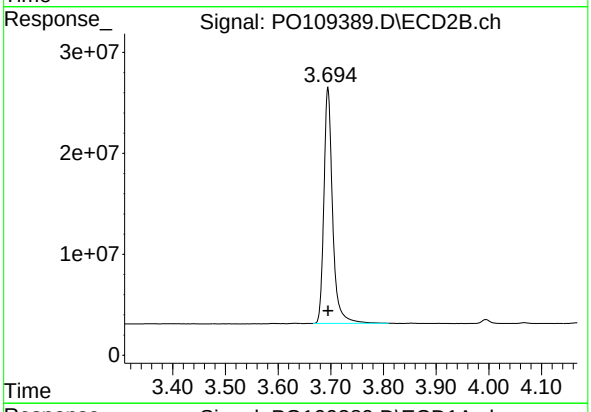




#1 Tetrachloro-m-xylene

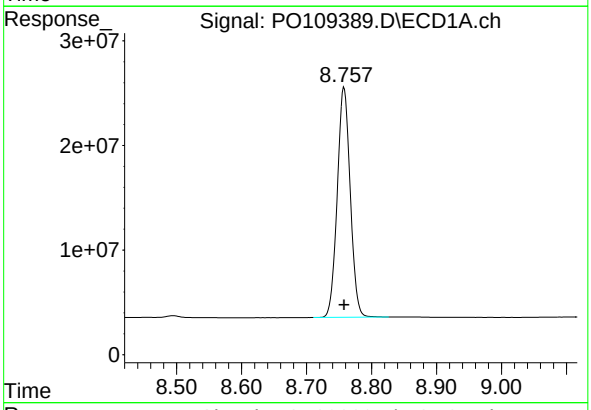
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 387848185
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



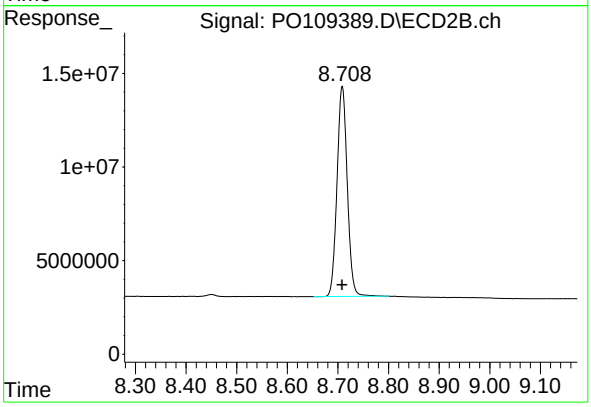
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 268746574
Conc: 50.00 ng/ml



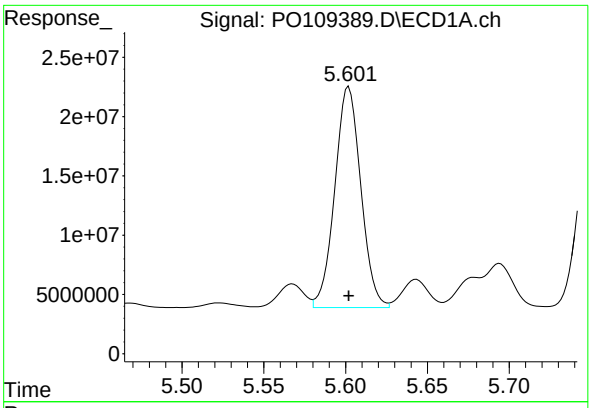
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 305342356
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

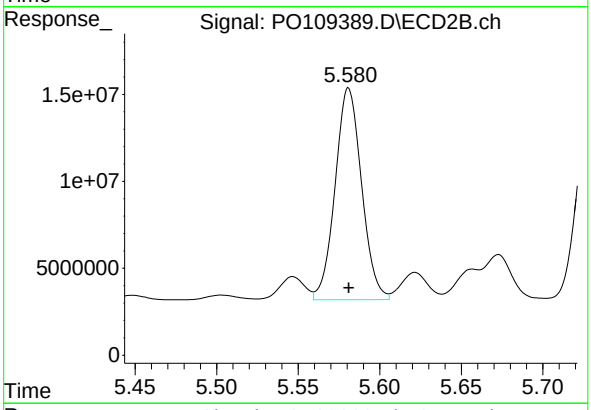
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 158388970
Conc: 50.00 ng/ml



#26 AR-1254-1

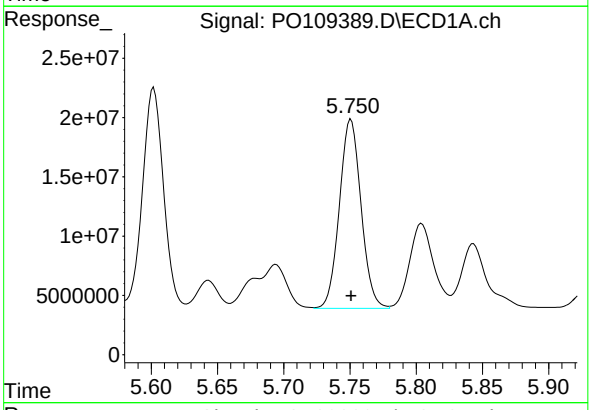
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 205735725
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



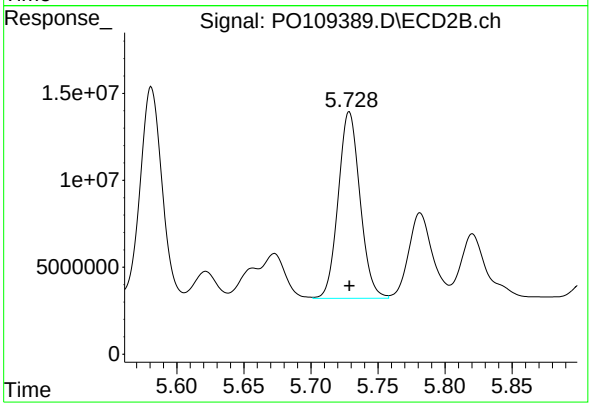
#26 AR-1254-1

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 137543815
Conc: 500.00 ng/ml



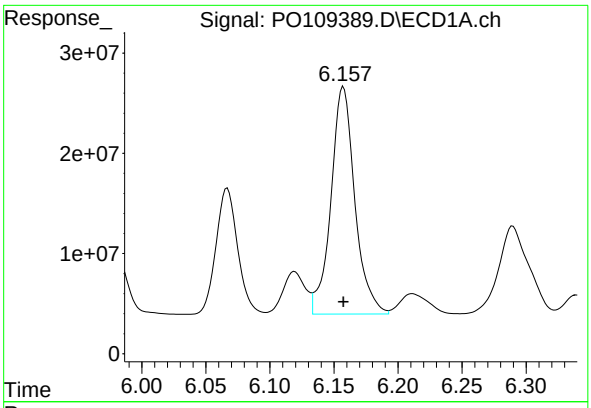
#27 AR-1254-2

R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 181358167
Conc: 500.00 ng/ml



#27 AR-1254-2

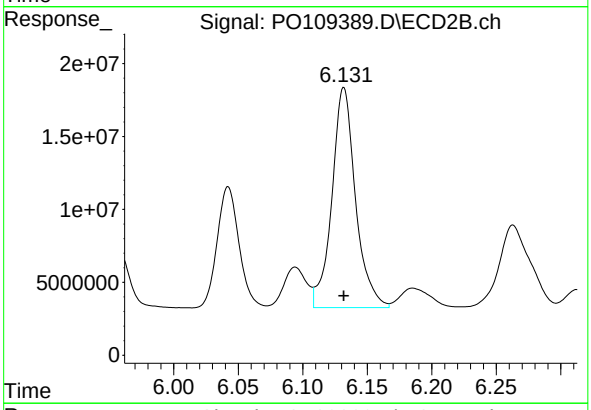
R.T.: 5.729 min
Delta R.T.: 0.000 min
Response: 121174487
Conc: 500.00 ng/ml



#28 AR-1254-3

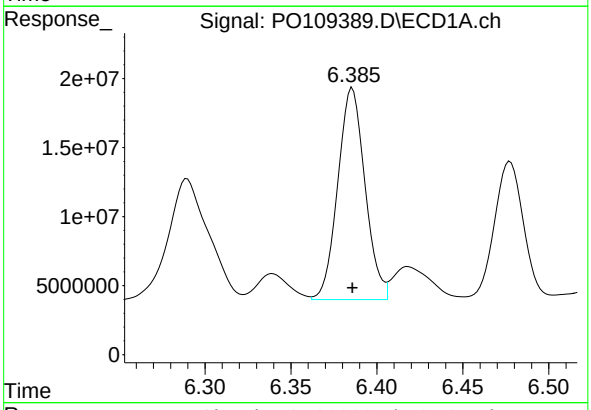
R.T.: 6.157 min
Delta R.T.: 0.000 min
Response: 294700813
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



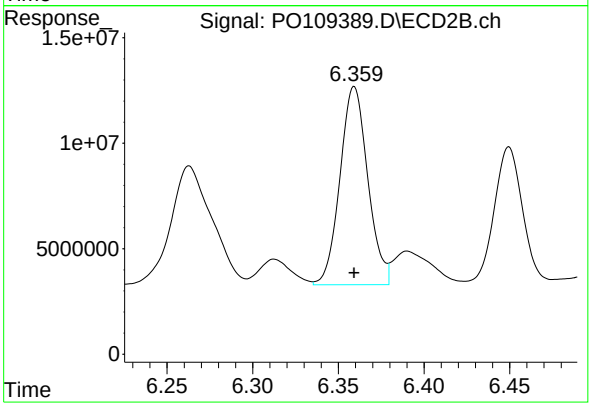
#28 AR-1254-3

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 192626814
Conc: 500.00 ng/ml



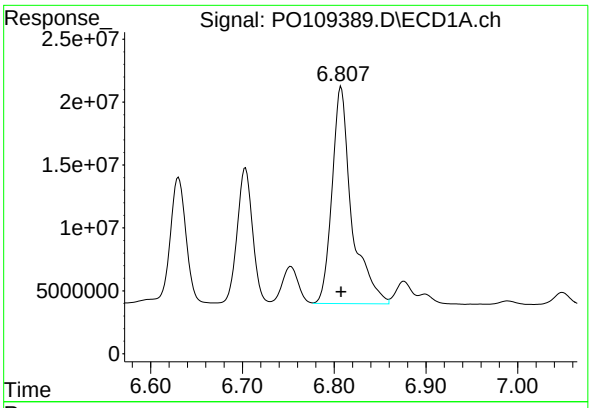
#29 AR-1254-4

R.T.: 6.386 min
Delta R.T.: 0.000 min
Response: 169303858
Conc: 500.00 ng/ml



#29 AR-1254-4

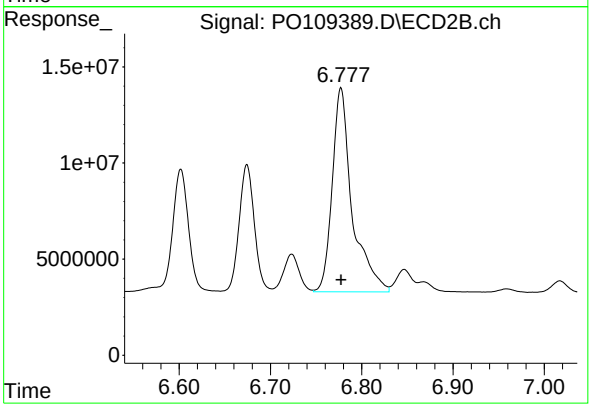
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 106171395
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.807 min
Delta R.T.: 0.000 min
Response: 256846762
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.777 min
Delta R.T.: 0.000 min
Response: 160925821
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:22
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: Feb 04 00:57:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	197.0E6	135.9E6	25.396	25.278
2)	SA Decachlor...	8.758	8.709	158.8E6	83098594	25.997	26.232
	Target Compounds						
26)	L6 AR-1254-1	5.602	5.581	108.9E6	72866460	264.613	264.885
27)	L6 AR-1254-2	5.751	5.728	96568808	65137257	266.238	268.775
28)	L6 AR-1254-3	6.157	6.132	153.5E6	100.5E6	260.492	260.917
29)	L6 AR-1254-4	6.386	6.359	87468245	55136004	258.317	259.656
30)	L6 AR-1254-5	6.808	6.777	133.2E6	83976710	259.254	260.917

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

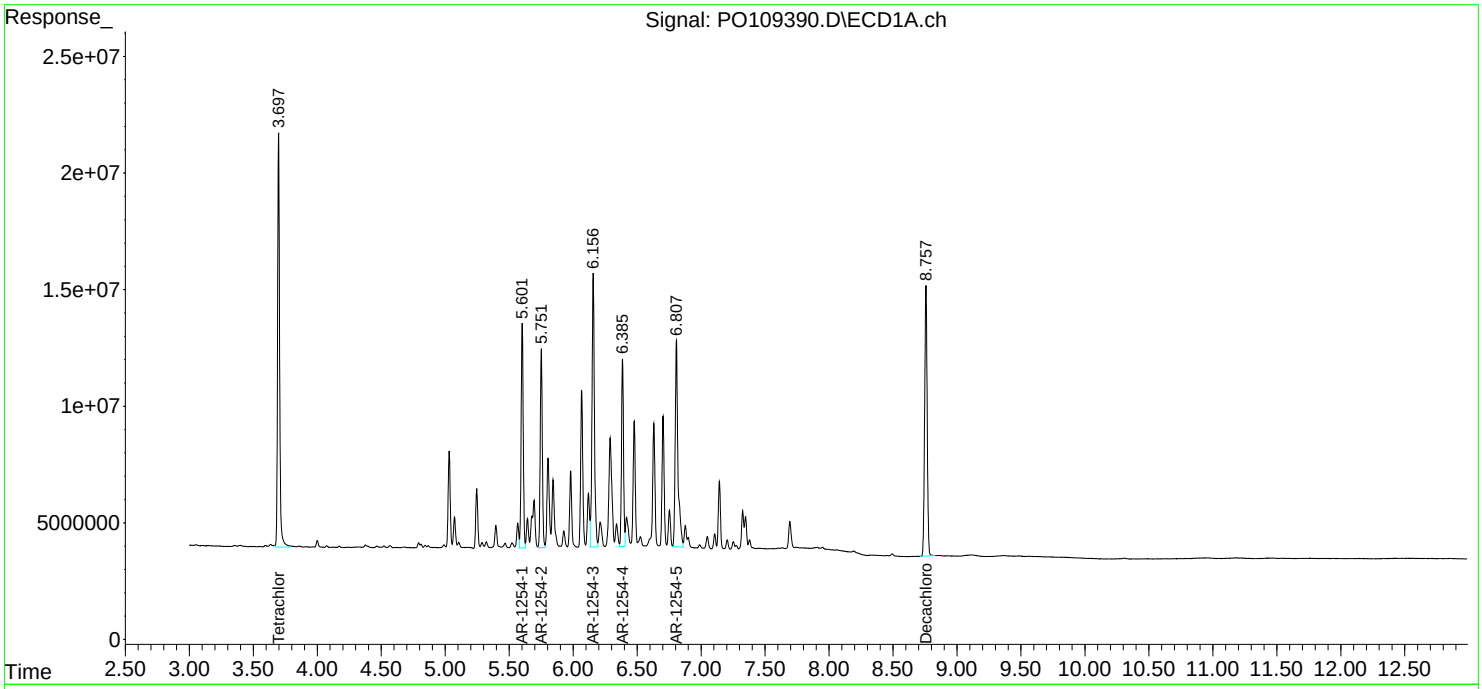
ICAL Form

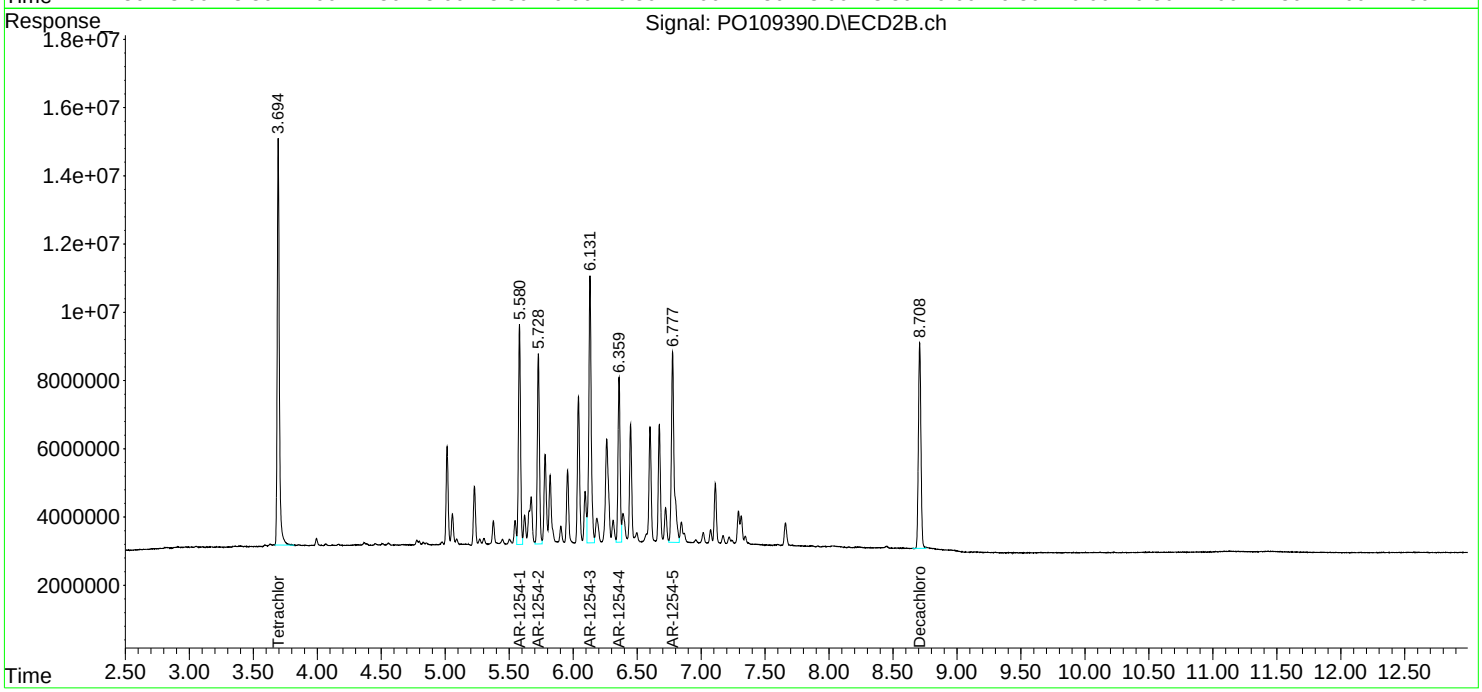
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:22
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

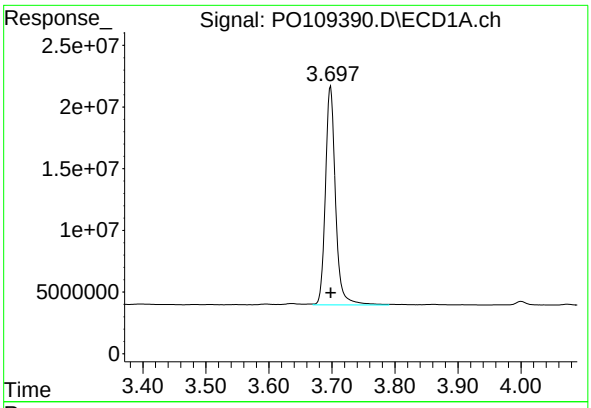
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:57:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



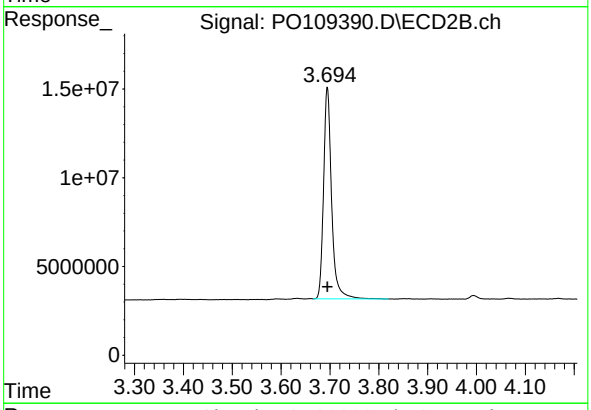




#1 Tetrachloro-m-xylene

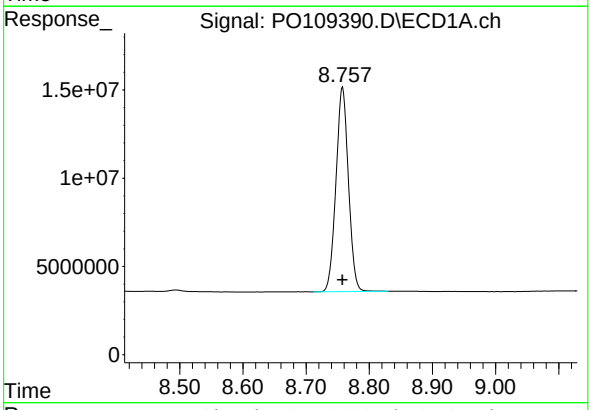
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 196993049
Conc: 25.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



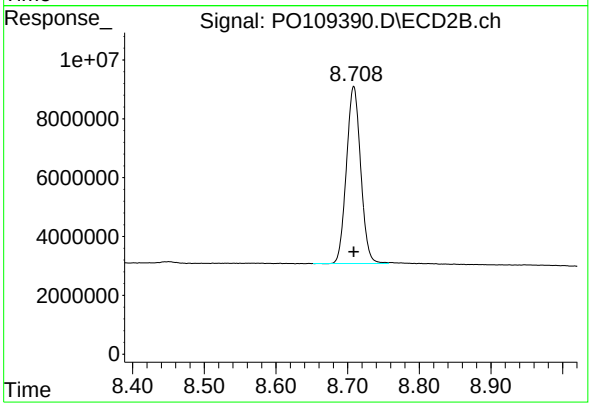
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 135866580
Conc: 25.28 ng/ml



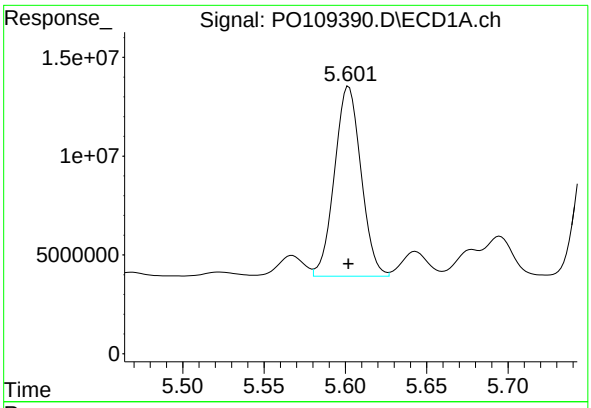
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 158759796
Conc: 26.00 ng/ml



#2 Decachlorobiphenyl

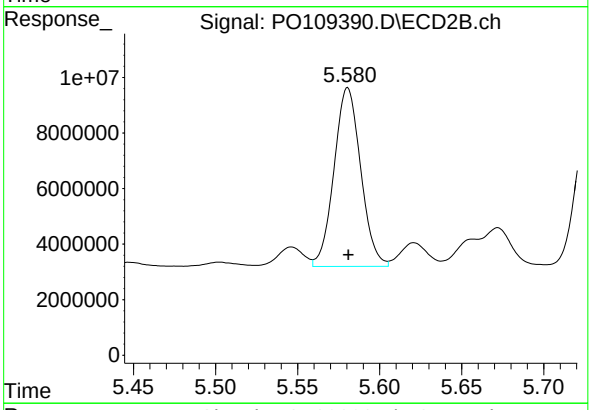
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 83098594
Conc: 26.23 ng/ml



#26 AR-1254-1

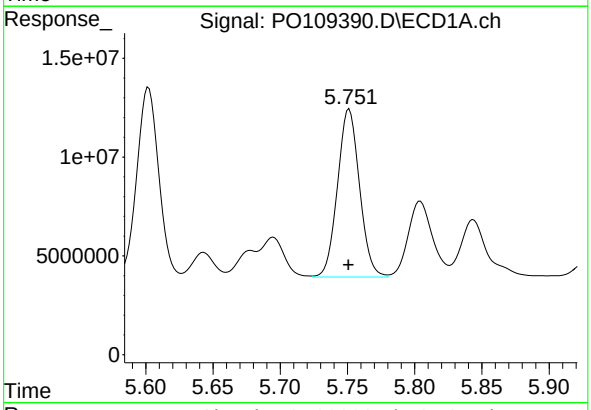
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 108880612
Conc: 264.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



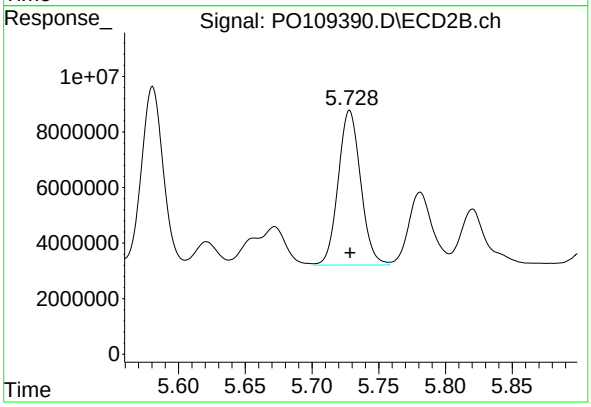
#26 AR-1254-1

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 72866460
Conc: 264.88 ng/ml



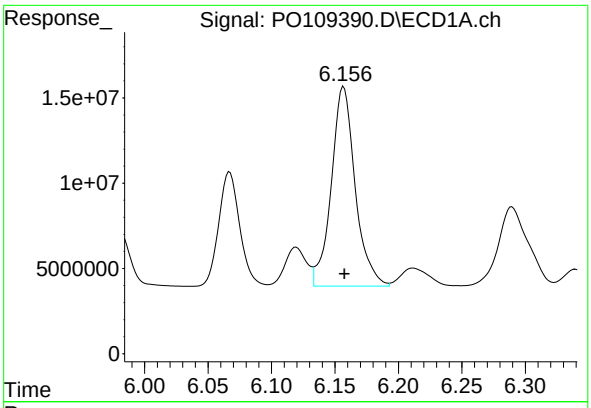
#27 AR-1254-2

R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 96568808
Conc: 266.24 ng/ml



#27 AR-1254-2

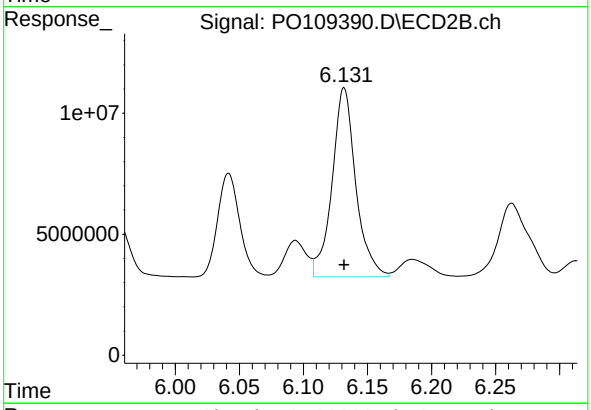
R.T.: 5.728 min
Delta R.T.: 0.000 min
Response: 65137257
Conc: 268.77 ng/ml



#28 AR-1254-3

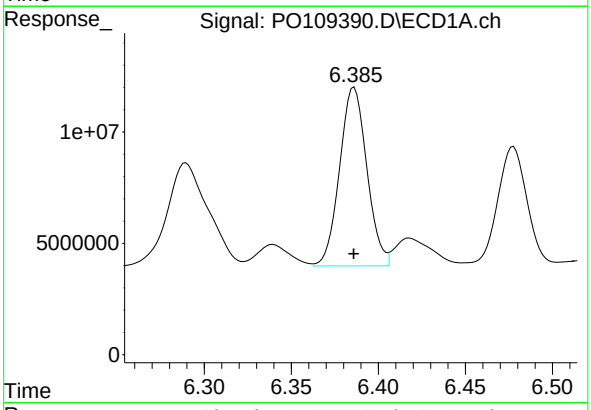
R.T.: 6.157 min
Delta R.T.: 0.000 min
Response: 153534663
Conc: 260.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



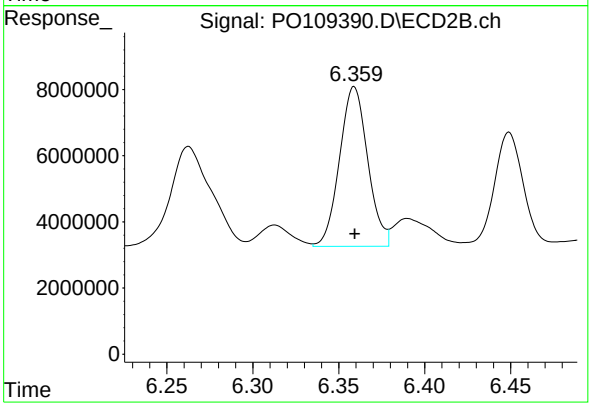
#28 AR-1254-3

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 100519292
Conc: 260.92 ng/ml



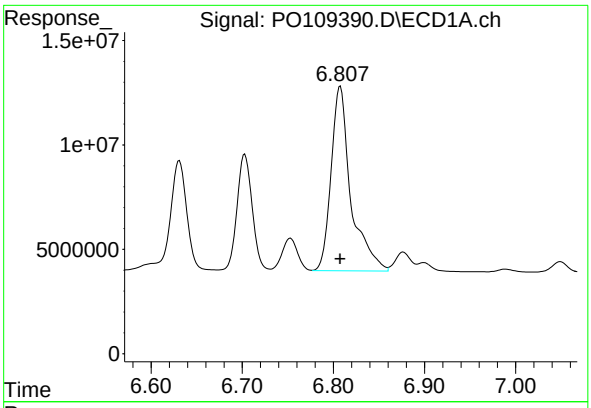
#29 AR-1254-4

R.T.: 6.386 min
Delta R.T.: 0.000 min
Response: 87468245
Conc: 258.32 ng/ml



#29 AR-1254-4

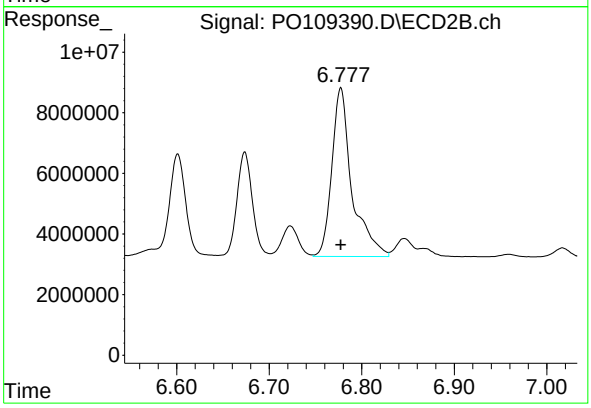
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 55136004
Conc: 259.66 ng/ml



#30 AR-1254-5

R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 133177115
Conc: 259.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.777 min
Delta R.T.: 0.000 min
Response: 83976710
Conc: 260.92 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:40
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 01:00:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	36656896	24926440	4.726	4.638
2)	SA Decachlor...	8.757	8.708	32047394	17047474	5.248	5.382
	Target Compounds						
26)	L6 AR-1254-1	5.602	5.581	23263471	15464861	56.537	56.218
27)	L6 AR-1254-2	5.752	5.728	21618275	14482978	59.601	59.761
28)	L6 AR-1254-3	6.157	6.132	32871635	20354900	55.771	52.835
29)	L6 AR-1254-4	6.386	6.357	16389116	9540257	48.401	44.929
30)	L6 AR-1254-5	6.808	6.777	26512586	17259318	51.612	53.625

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

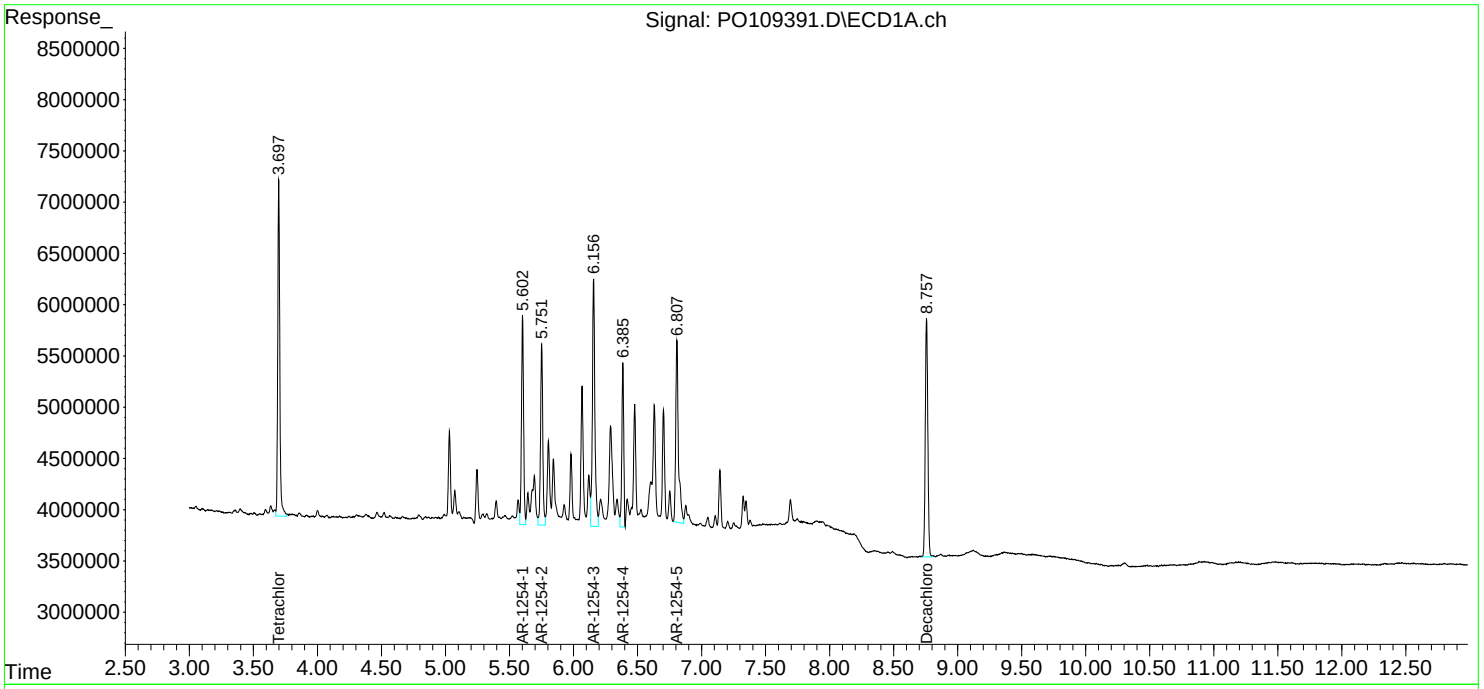
ICAL Form

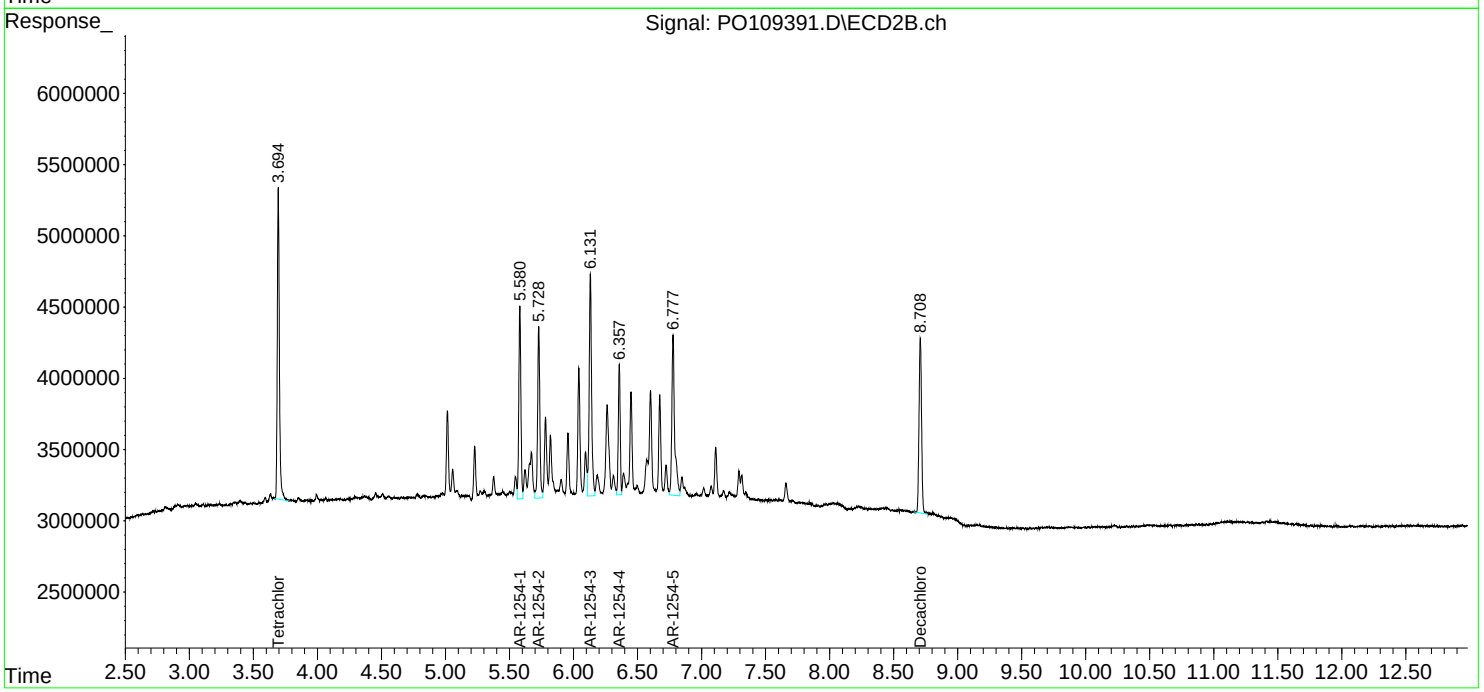
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:40
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

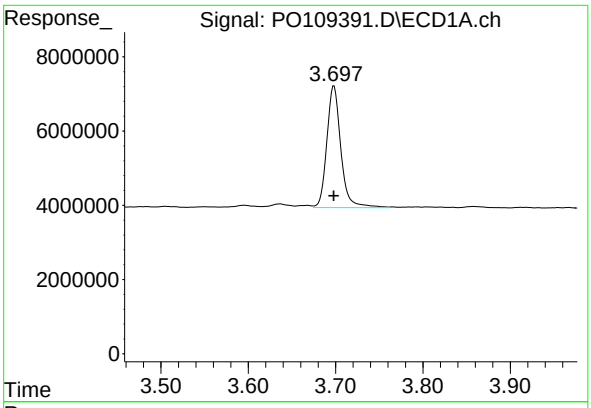
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 01:00:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 00:51:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



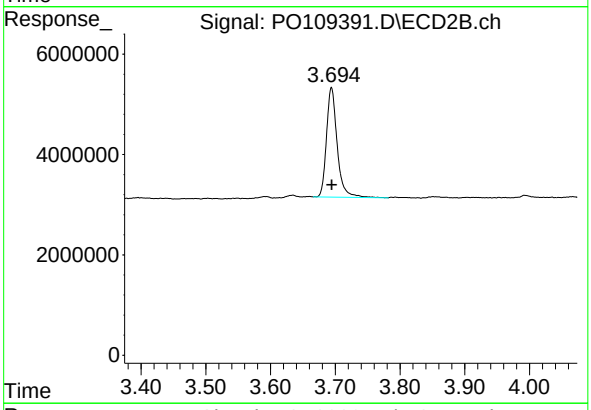




#1 Tetrachloro-m-xylene

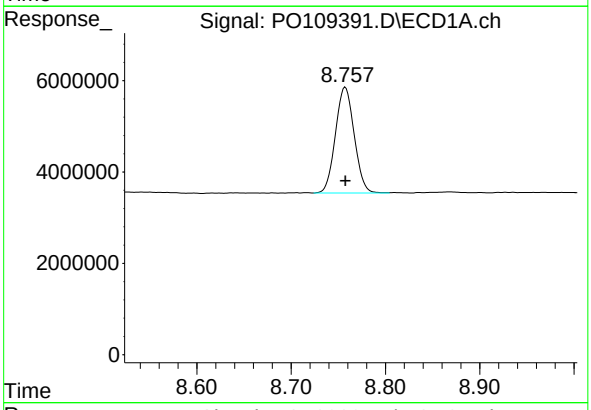
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 36656896
Conc: 4.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



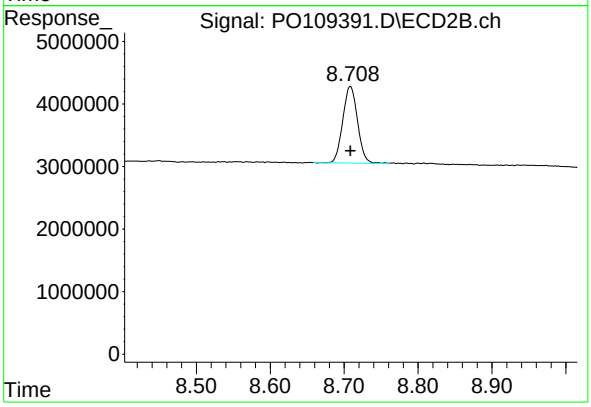
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 24926440
Conc: 4.64 ng/ml



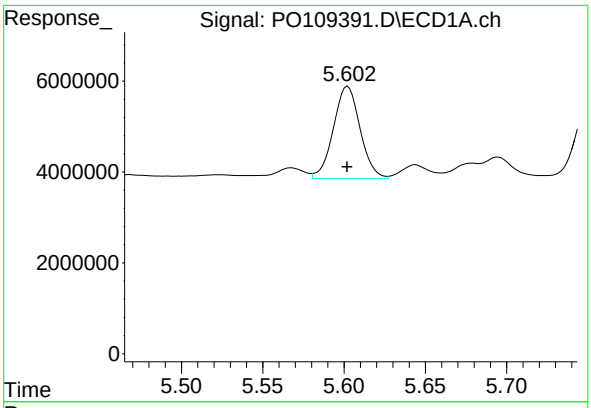
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 32047394
Conc: 5.25 ng/ml



#2 Decachlorobiphenyl

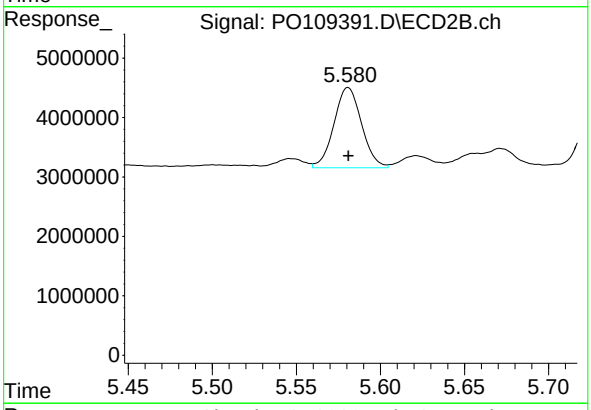
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 17047474
Conc: 5.38 ng/ml



#26 AR-1254-1

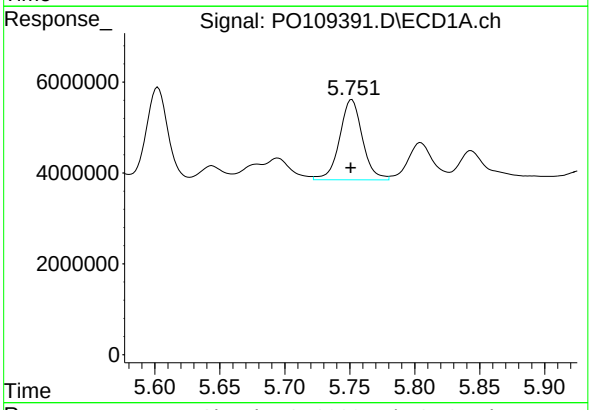
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 23263471
Conc: 56.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



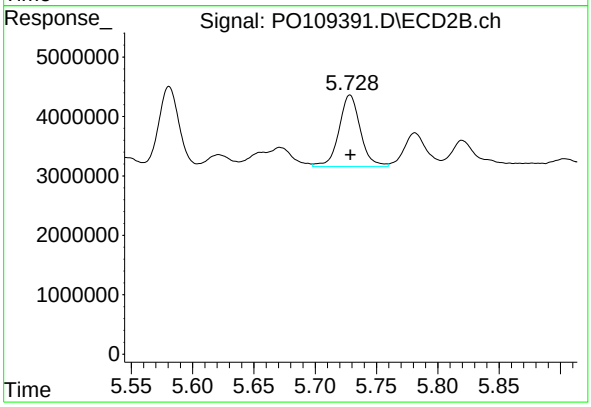
#26 AR-1254-1

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 15464861
Conc: 56.22 ng/ml



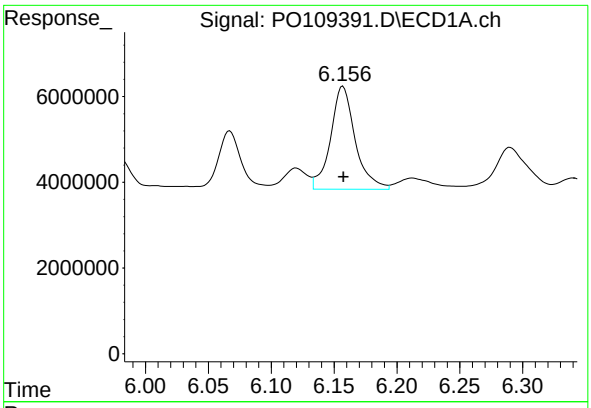
#27 AR-1254-2

R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 21618275
Conc: 59.60 ng/ml



#27 AR-1254-2

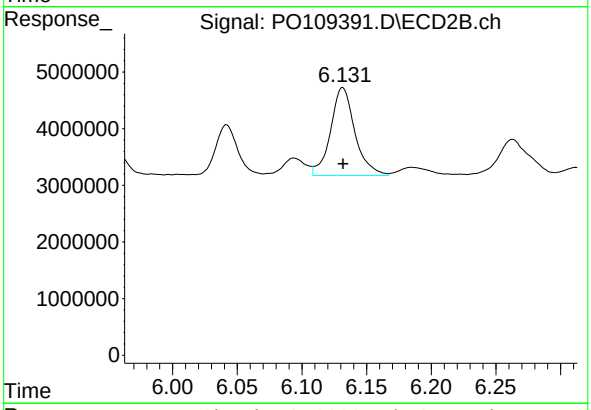
R.T.: 5.728 min
Delta R.T.: 0.000 min
Response: 14482978
Conc: 59.76 ng/ml



#28 AR-1254-3

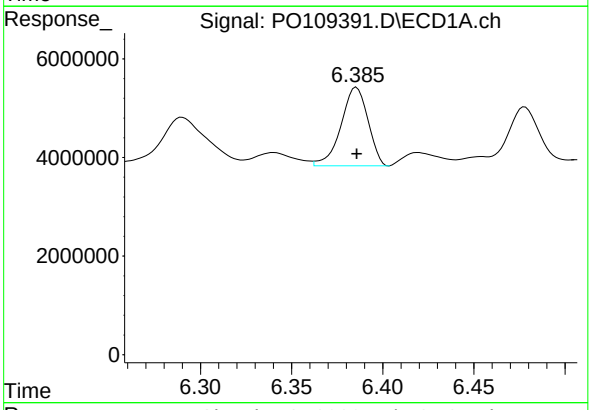
R.T.: 6.157 min
Delta R.T.: 0.000 min
Response: 32871635
Conc: 55.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



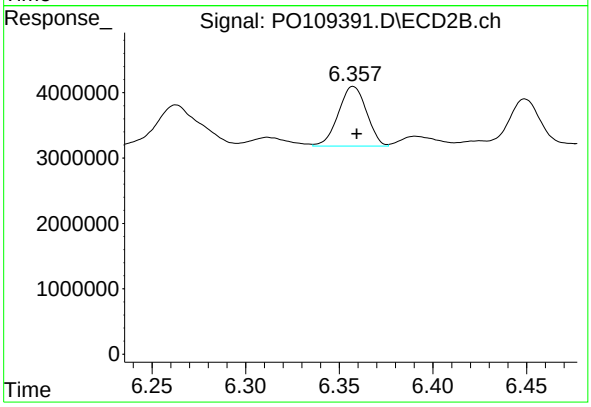
#28 AR-1254-3

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 20354900
Conc: 52.84 ng/ml



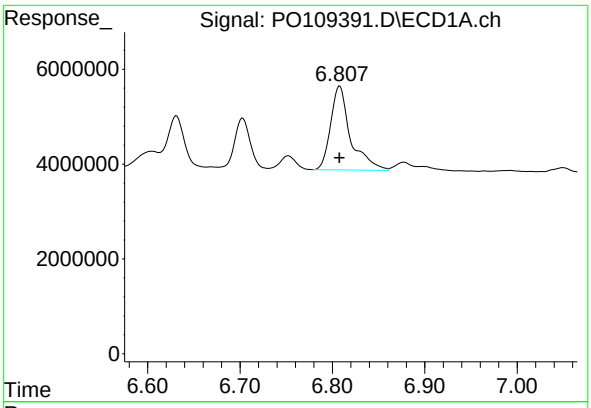
#29 AR-1254-4

R.T.: 6.386 min
Delta R.T.: 0.000 min
Response: 16389116
Conc: 48.40 ng/ml



#29 AR-1254-4

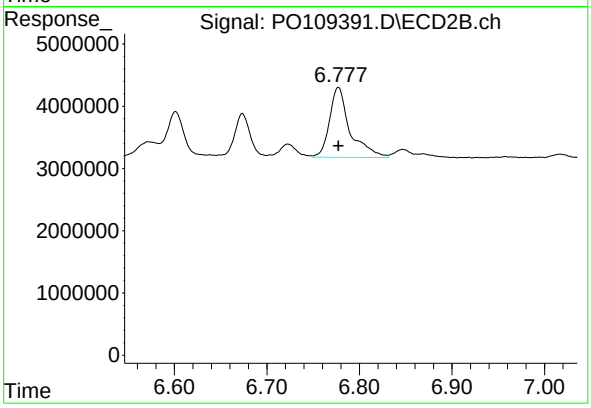
R.T.: 6.357 min
Delta R.T.: -0.002 min
Response: 9540257
Conc: 44.93 ng/ml



#30 AR-1254-5

R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 26512586
Conc: 51.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.777 min
Delta R.T.: 0.000 min
Response: 17259318
Conc: 53.63 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:58
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: Feb 04 02:45:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:44:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	377.4E6	261.0E6	50.000	50.000
2)	SA Decachlor...	8.759	8.709	294.8E6	154.8E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.847	6.817	265.5E6	165.4E6	500.000	500.000
37)	L8 AR-1262-2	7.349	7.316	460.2E6	270.3E6	500.000	500.000
38)	L8 AR-1262-3	7.635	7.600	180.1E6	109.2E6	500.000	500.000
39)	L8 AR-1262-4	7.698	7.664	335.9E6	189.8E6	500.000	500.000
40)	L8 AR-1262-5	8.196	8.157	143.0E6	77691328	500.000	500.000

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

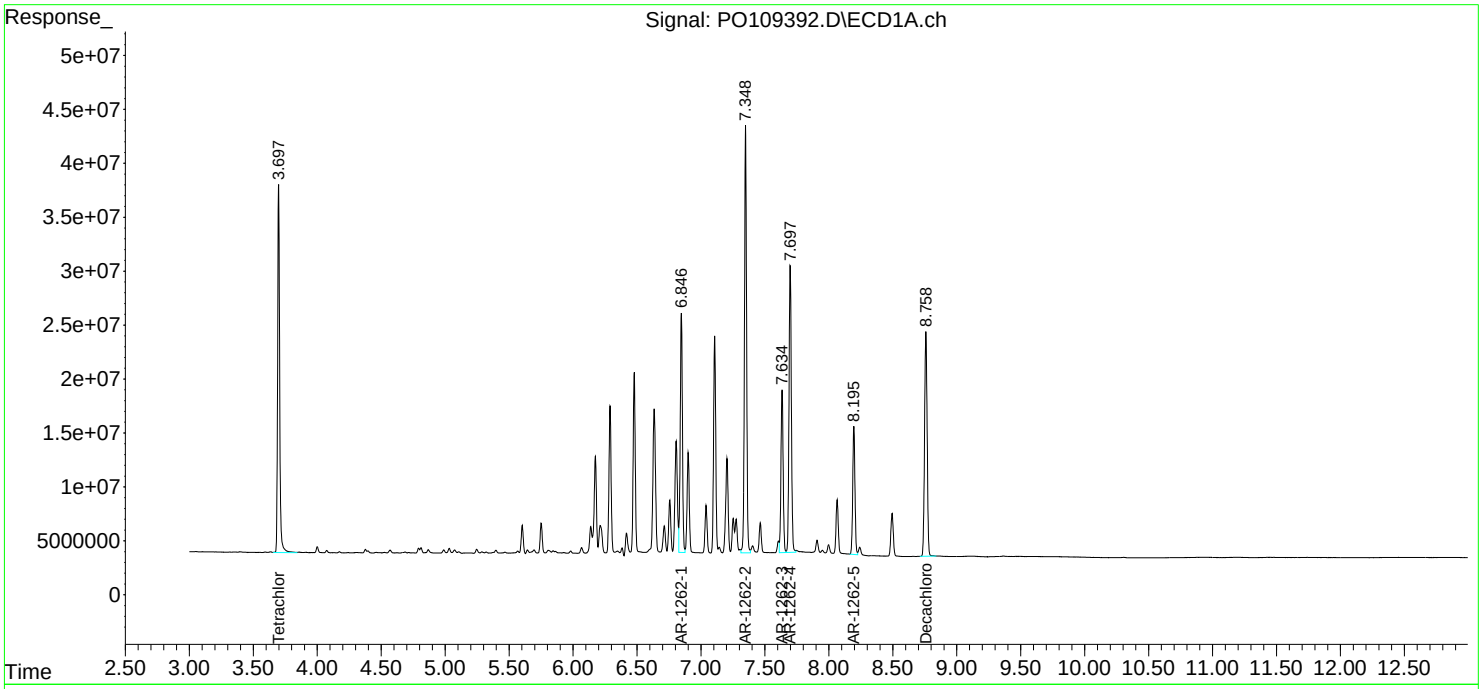
ICAL Form

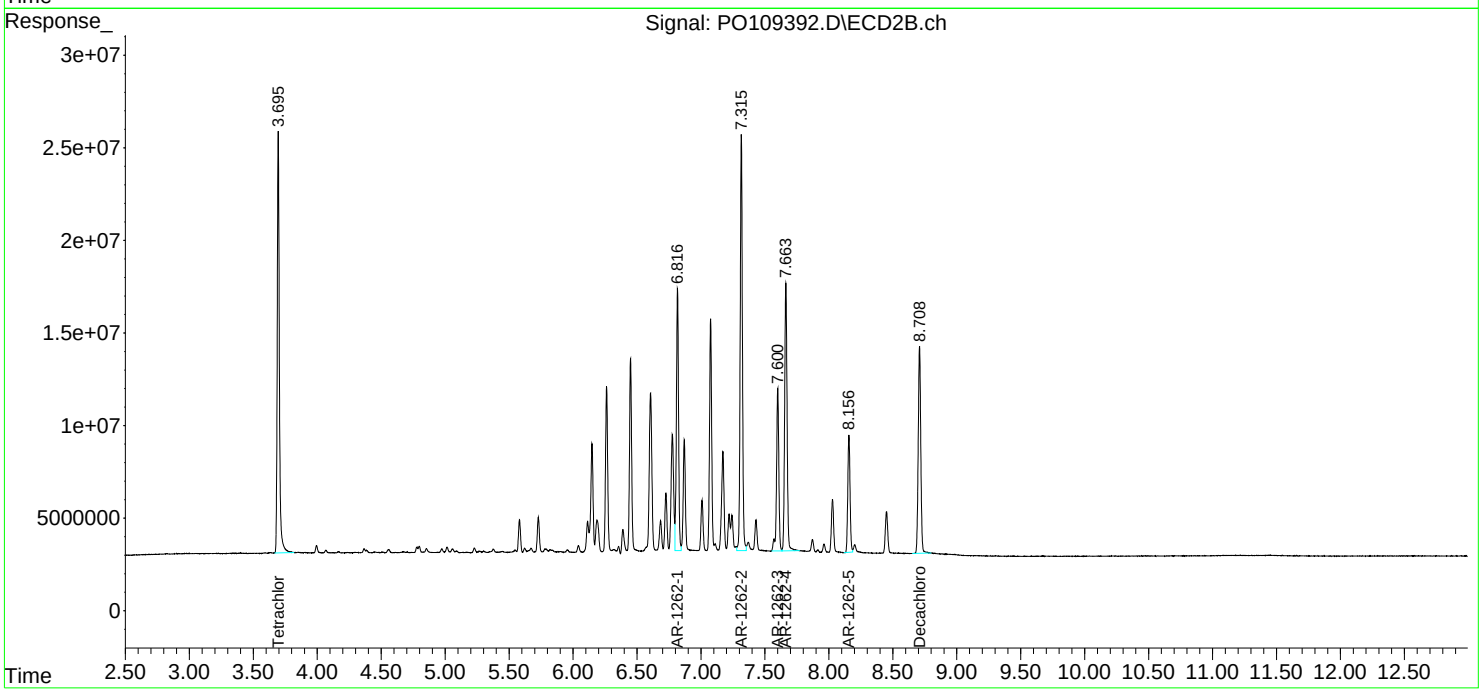
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:58
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

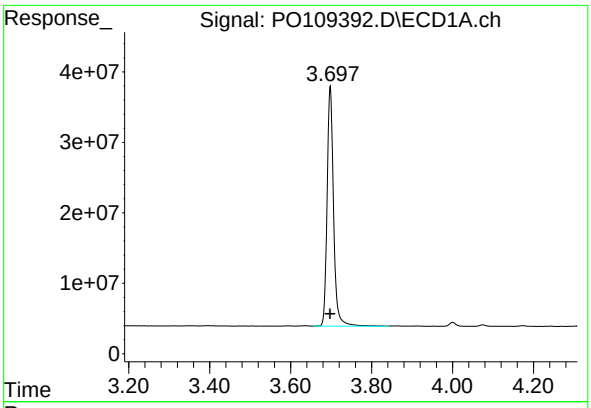
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 02:45:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:44:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



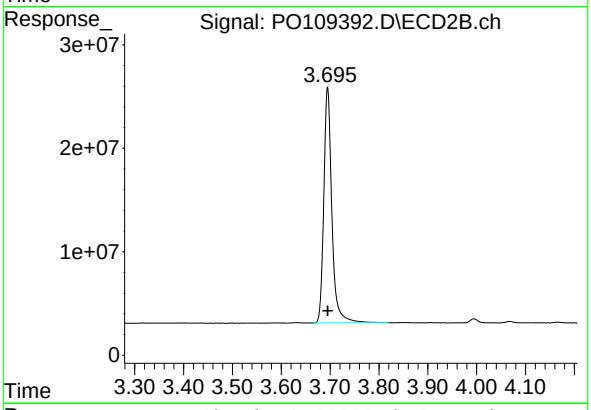




#1 Tetrachloro-m-xylene

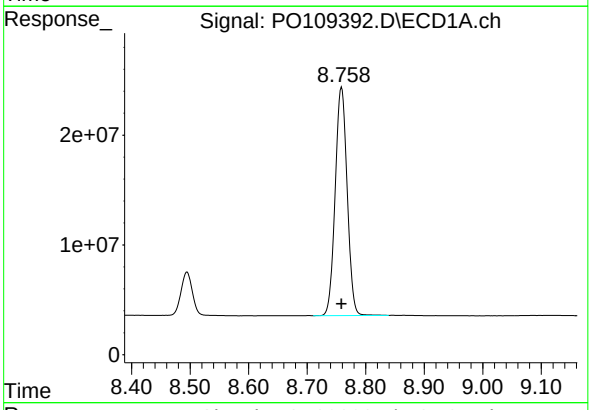
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 377390719
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



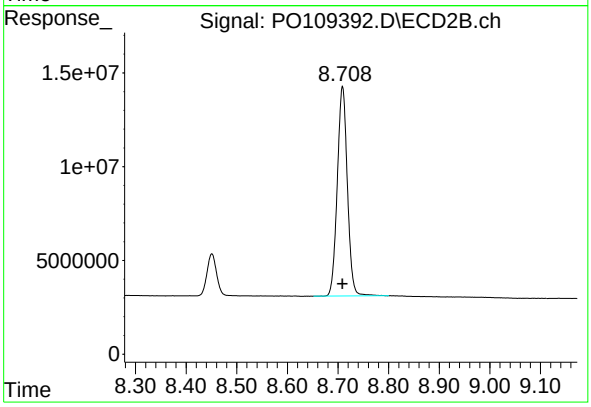
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 260977020
Conc: 50.00 ng/ml



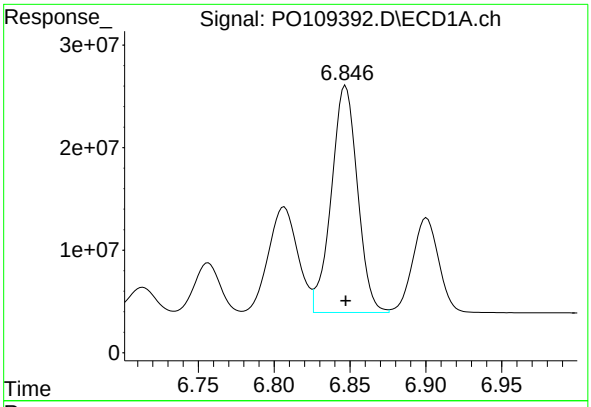
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 294762959
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

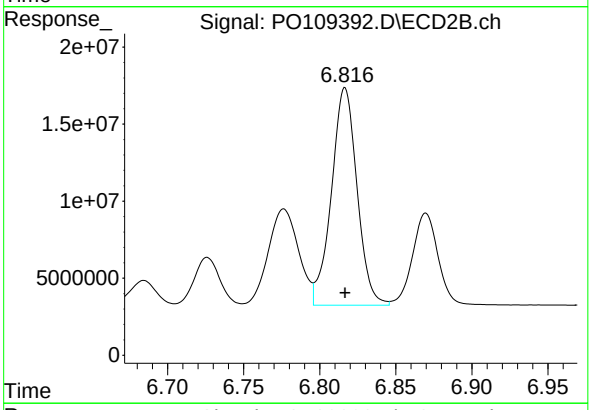
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 154779876
Conc: 50.00 ng/ml



#36 AR-1262-1

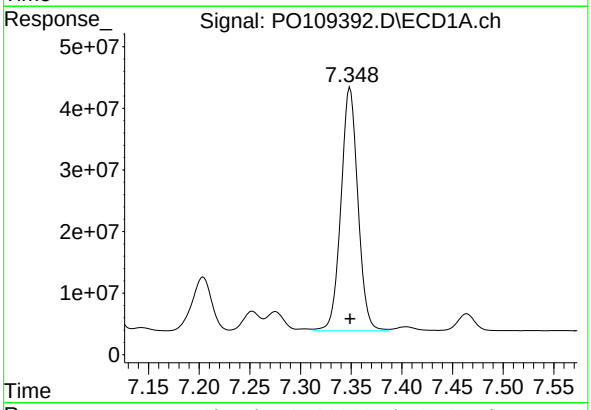
R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 265486035
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



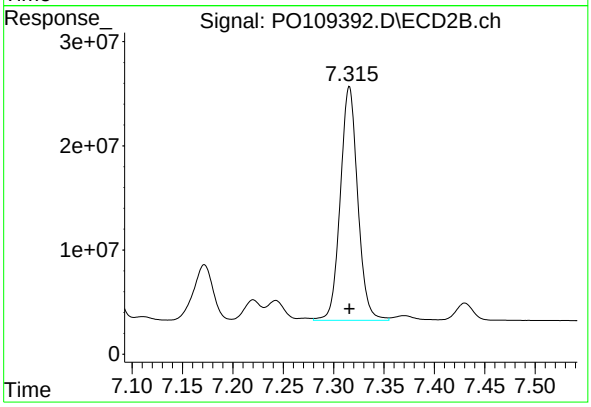
#36 AR-1262-1

R.T.: 6.817 min
Delta R.T.: 0.000 min
Response: 165387330
Conc: 500.00 ng/ml



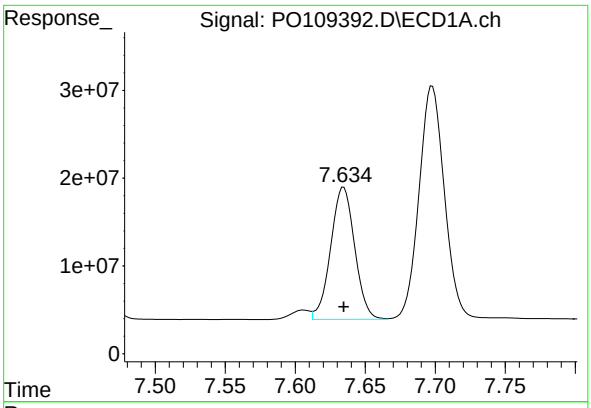
#37 AR-1262-2

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 460237435
Conc: 500.00 ng/ml



#37 AR-1262-2

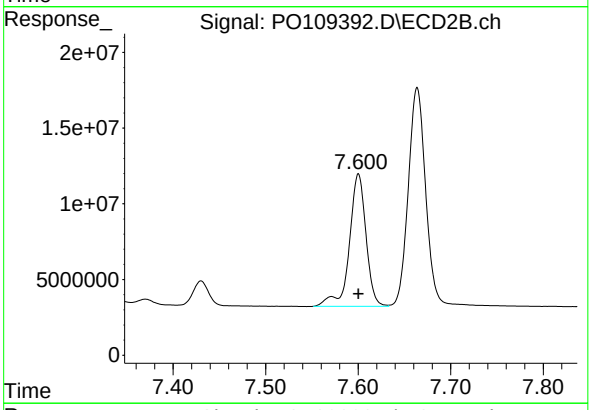
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 270265251
Conc: 500.00 ng/ml



#38 AR-1262-3

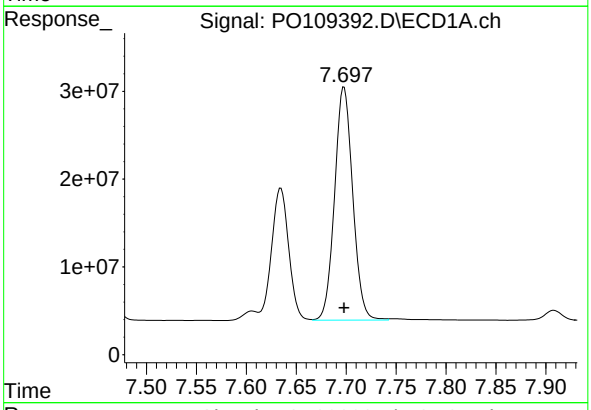
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 180107331
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



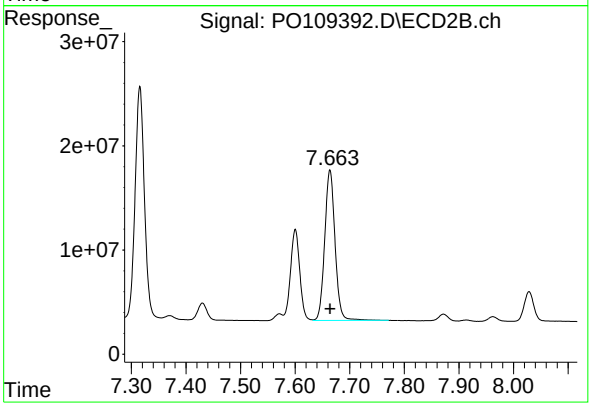
#38 AR-1262-3

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 109219498
Conc: 500.00 ng/ml



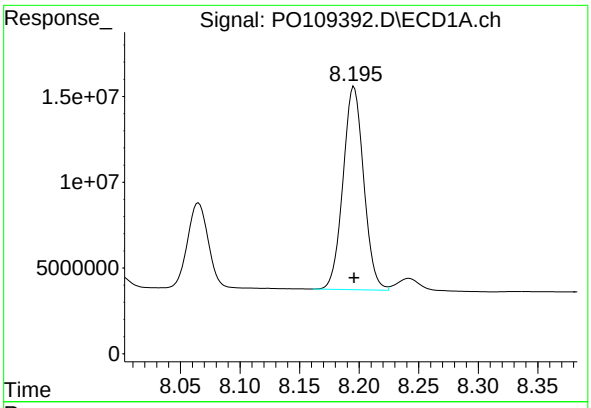
#39 AR-1262-4

R.T.: 7.698 min
Delta R.T.: 0.000 min
Response: 335865235
Conc: 500.00 ng/ml



#39 AR-1262-4

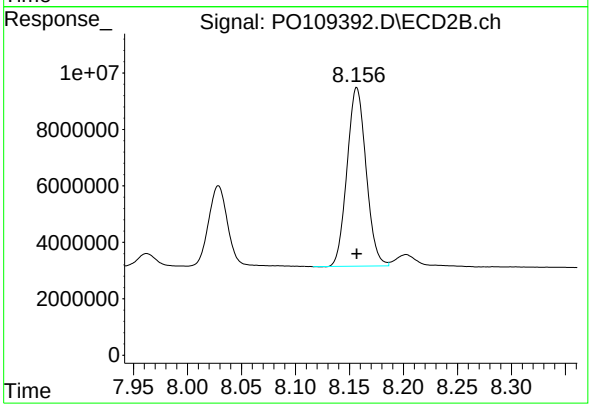
R.T.: 7.664 min
Delta R.T.: 0.000 min
Response: 189780246
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 142974641
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 77691328
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:17
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: Feb 04 02:49:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	784.6E6	545.1E6	99.201	99.279
2)	SA Decachlor...	8.759	8.710	1030.6E6	521.6E6	98.650	96.664
	Target Compounds						
41)	L9 AR-1268-1	7.635	7.600	1060.3E6	590.8E6	994.865	989.311
42)	L9 AR-1268-2	7.700	7.665	978.4E6	542.4E6	996.326	989.526
43)	L9 AR-1268-3	7.908	7.873	803.0E6	433.1E6	995.641	990.424
44)	L9 AR-1268-4	8.196	8.157	317.5E6	170.5E6	949.906	981.604
45)	L9 AR-1268-5	8.496	8.451	2278.7E6	1166.2E6	1007.554	1004.023

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

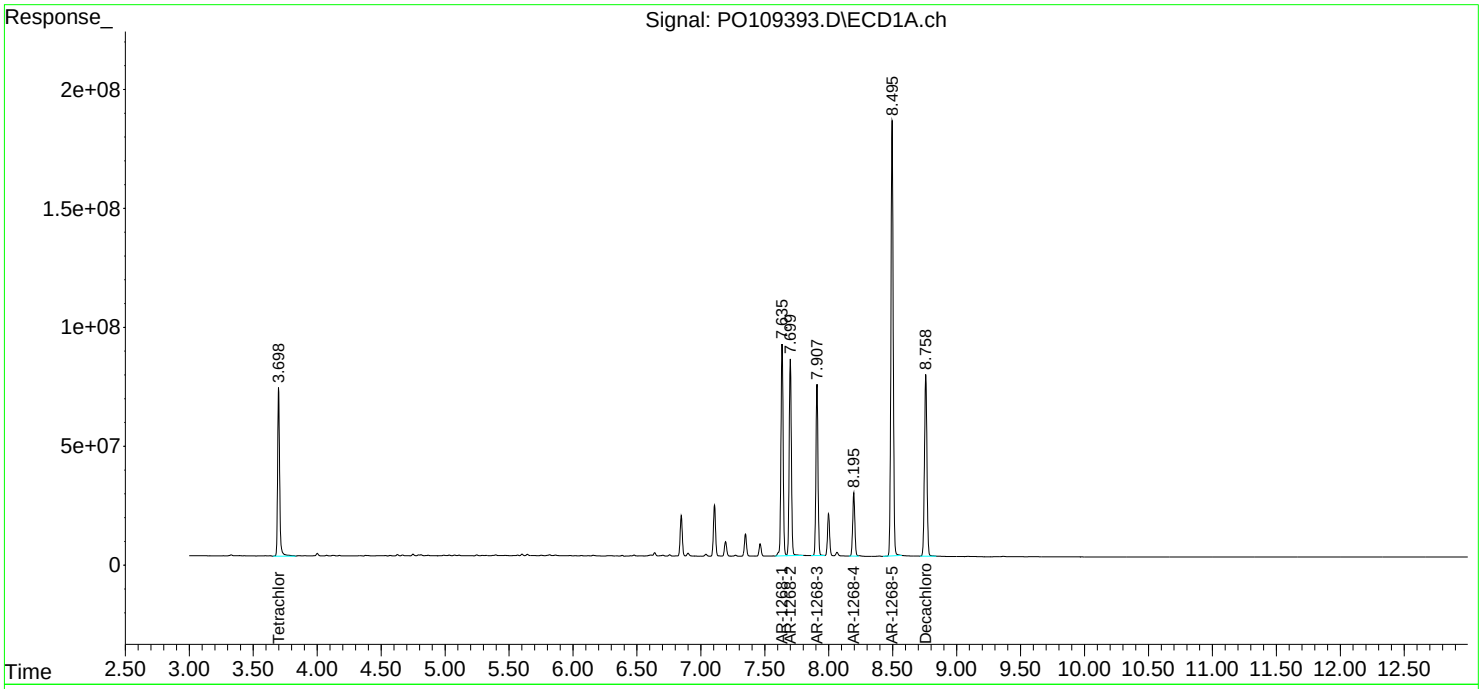
ICAL Form

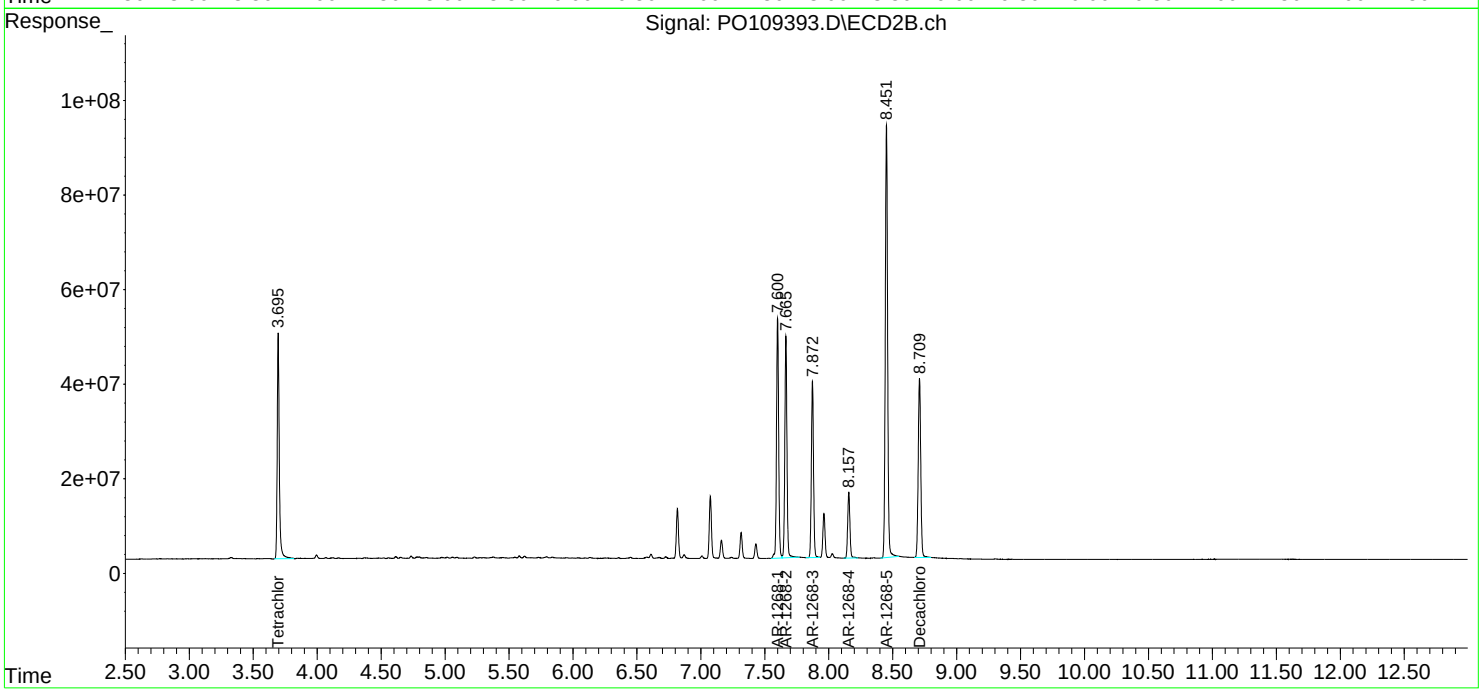
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:17
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

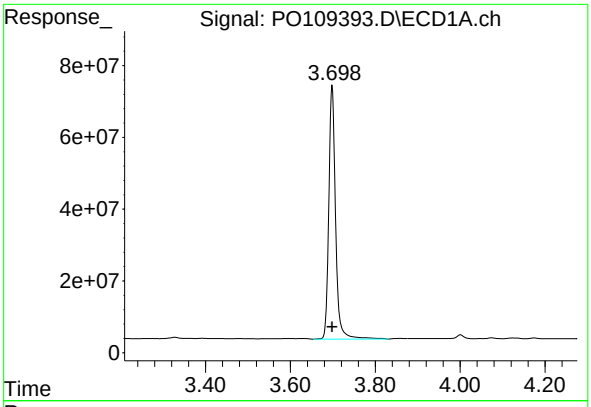
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 02:49:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



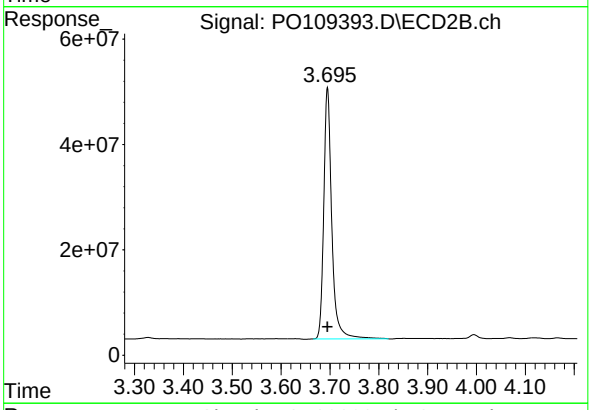




#1 Tetrachloro-m-xylene

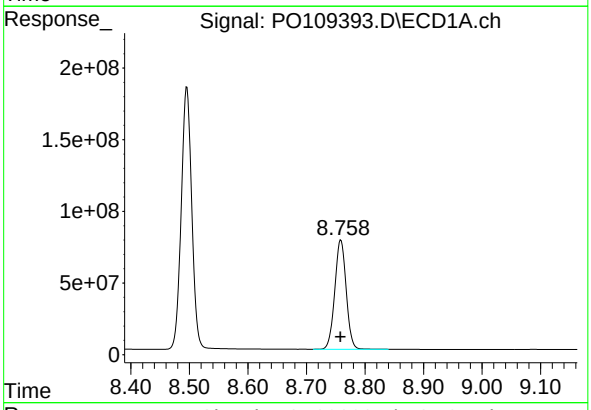
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 784554150
Conc: 99.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



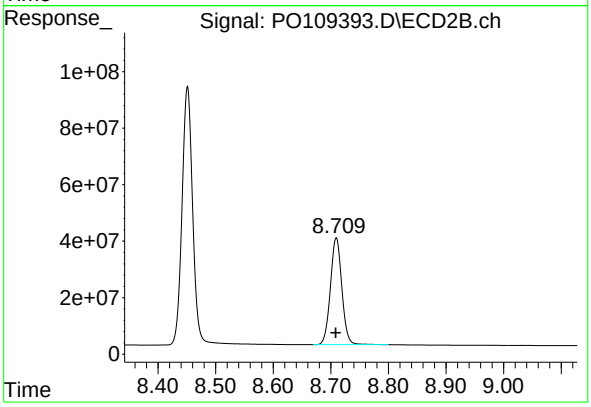
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 545078337
Conc: 99.28 ng/ml



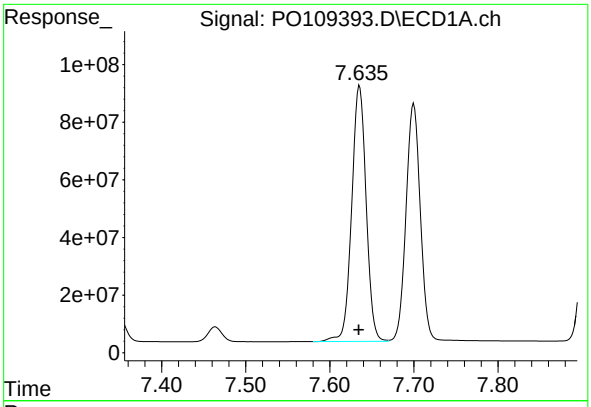
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 1030610735
Conc: 98.65 ng/ml



#2 Decachlorobiphenyl

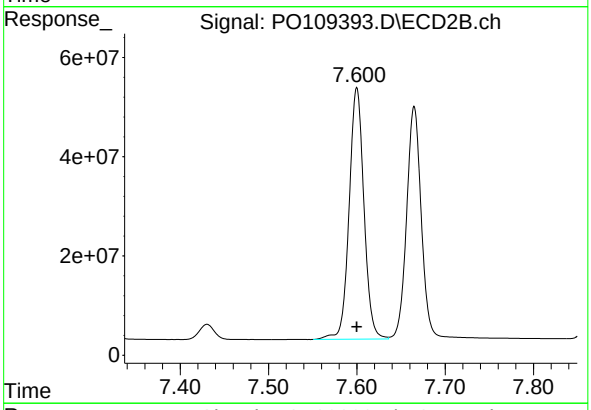
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 521591432
Conc: 96.66 ng/ml



#41 AR-1268-1

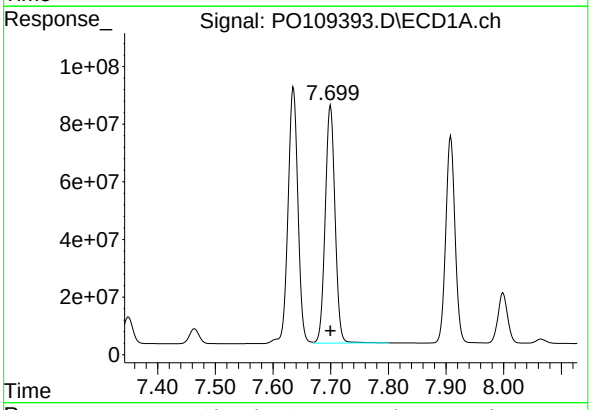
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 1060325183
Conc: 994.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



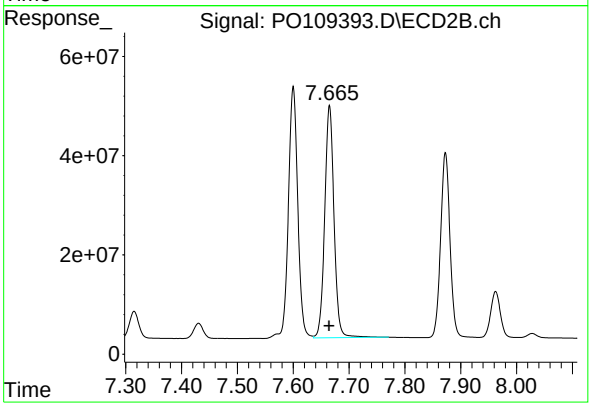
#41 AR-1268-1

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 590846797
Conc: 989.31 ng/ml



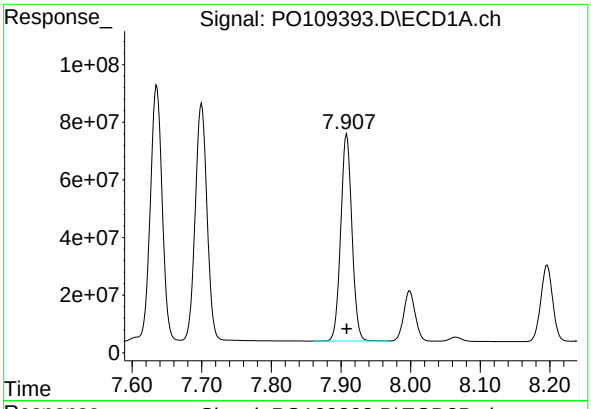
#42 AR-1268-2

R.T.: 7.700 min
Delta R.T.: 0.000 min
Response: 978377814
Conc: 996.33 ng/ml



#42 AR-1268-2

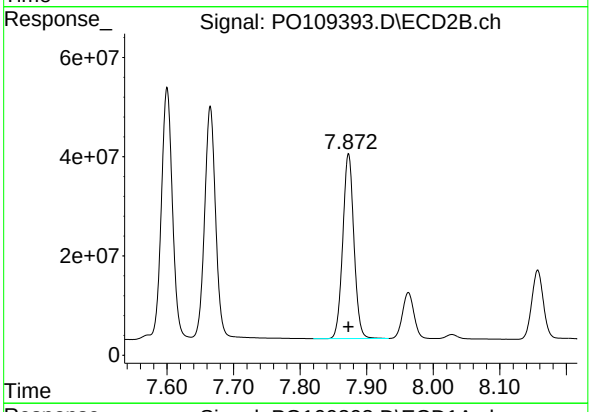
R.T.: 7.665 min
Delta R.T.: 0.000 min
Response: 542437119
Conc: 989.53 ng/ml



#43 AR-1268-3

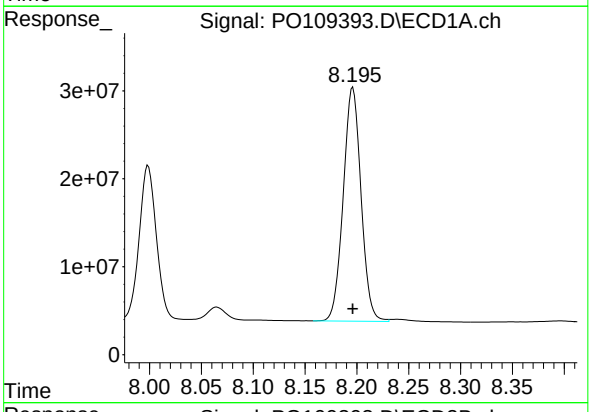
R.T.: 7.908 min
Delta R.T.: 0.000 min
Response: 802971546
Conc: 995.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



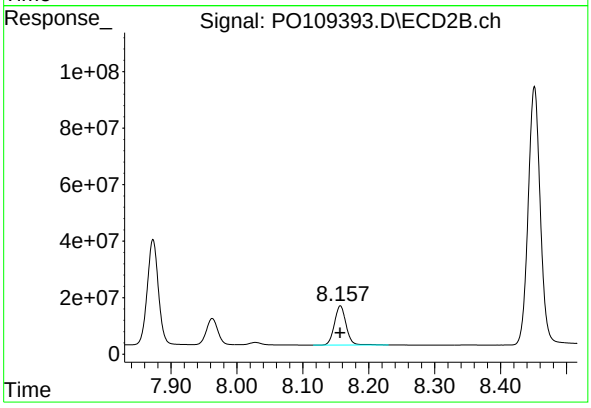
#43 AR-1268-3

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 433110112
Conc: 990.42 ng/ml



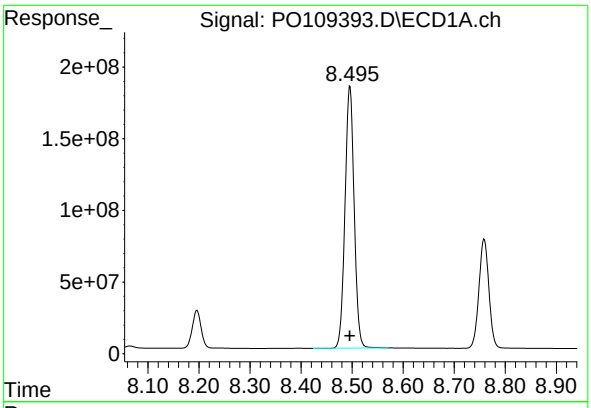
#44 AR-1268-4

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 317503517
Conc: 949.91 ng/ml



#44 AR-1268-4

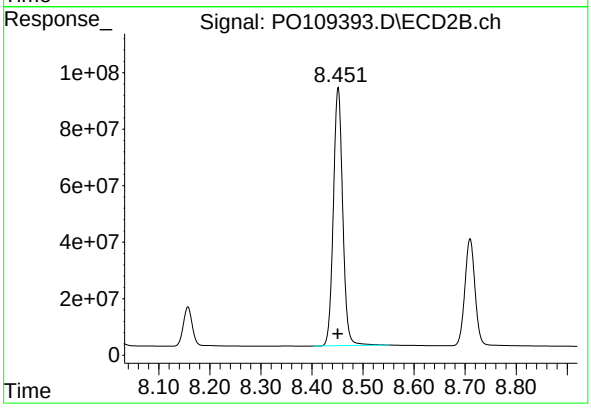
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 170526494
Conc: 981.60 ng/ml



#45 AR-1268-5

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 2278699068
Conc: 1007.55 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.451 min
Delta R.T.: 0.000 min
Response: 1166175763
Conc: 1004.02 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:35
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: Feb 04 02:50:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.695	577.5E6	400.0E6	73.025	72.858
2)	SA Decachlor...	8.760	8.710	761.8E6	387.2E6	72.918	71.760
	Target Compounds						
41)	L9 AR-1268-1	7.635	7.601	782.3E6	436.2E6	733.993	730.415
42)	L9 AR-1268-2	7.700	7.665	720.7E6	399.2E6	733.936	728.243
43)	L9 AR-1268-3	7.909	7.873	591.7E6	318.5E6	733.714	728.436
44)	L9 AR-1268-4	8.196	8.157	237.5E6	125.0E6	710.463	719.717
45)	L9 AR-1268-5	8.495	8.452	1671.4E6	854.6E6	739.041	735.796

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

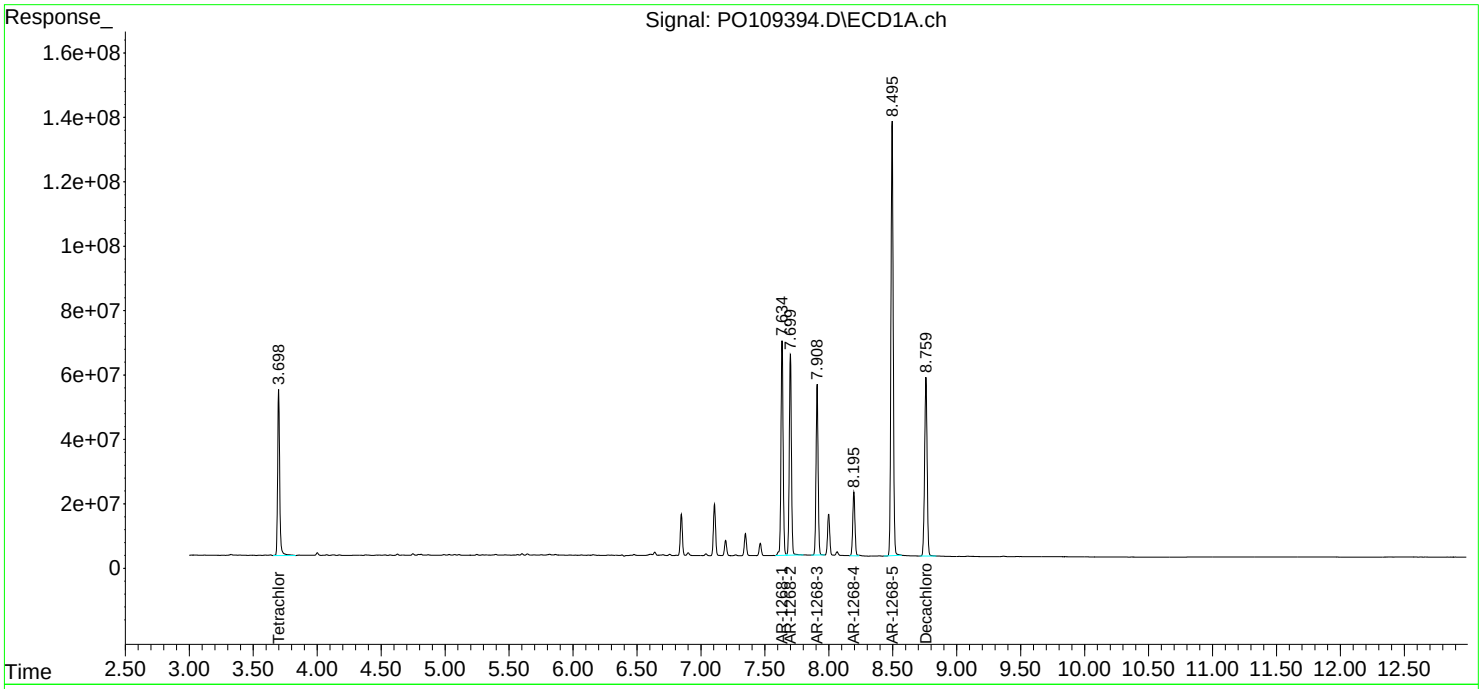
ICAL Form

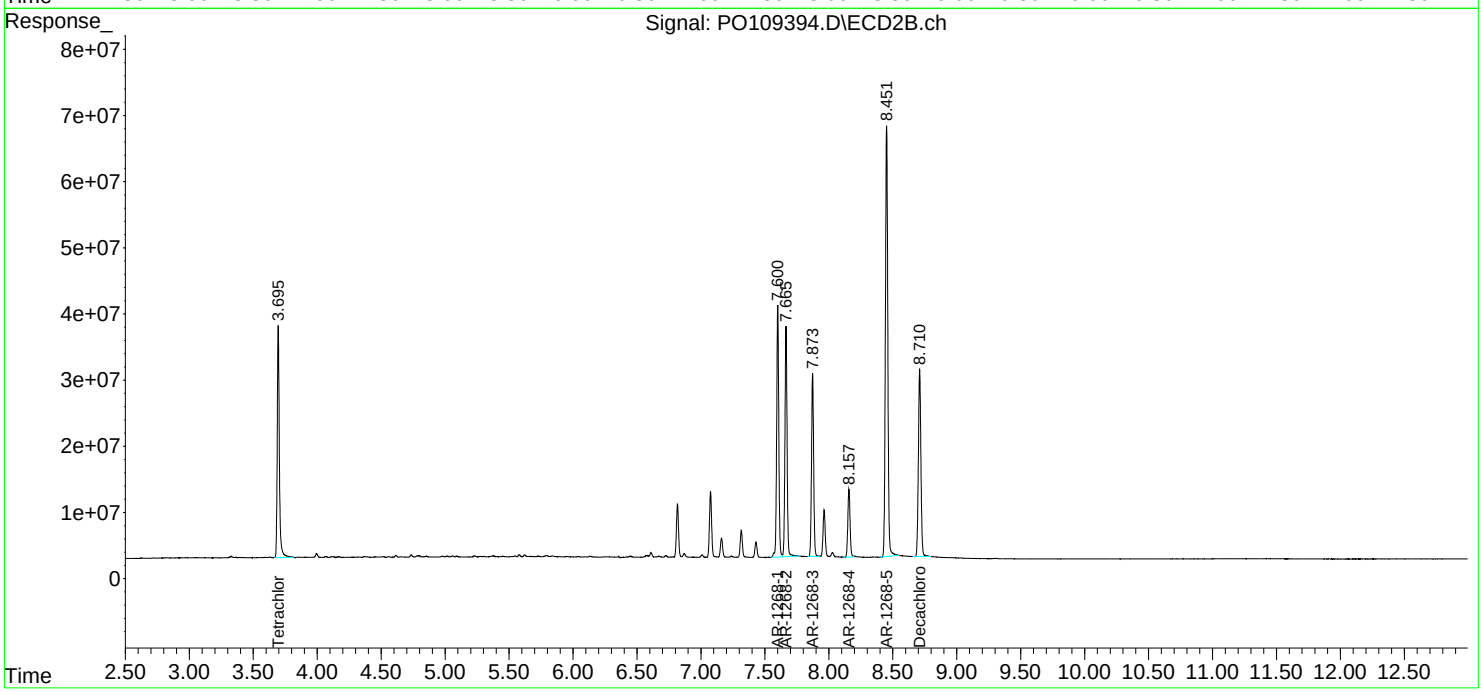
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:35
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

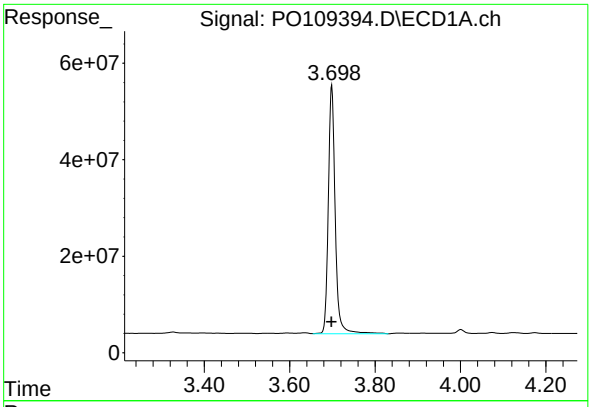
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 02:50:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



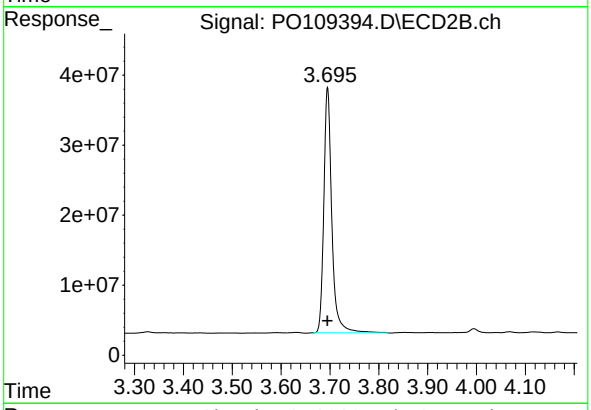




#1 Tetrachloro-m-xylene

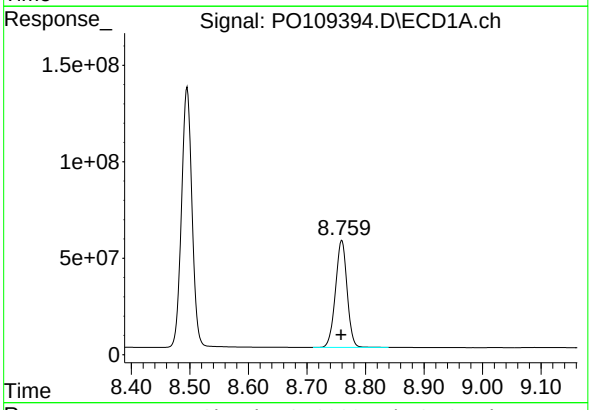
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 577531401
Conc: 73.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



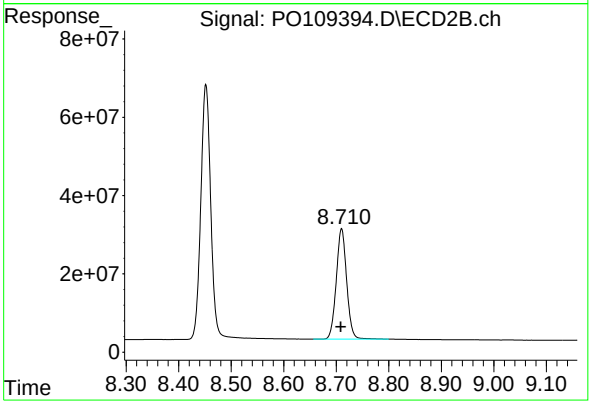
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 400015610
Conc: 72.86 ng/ml



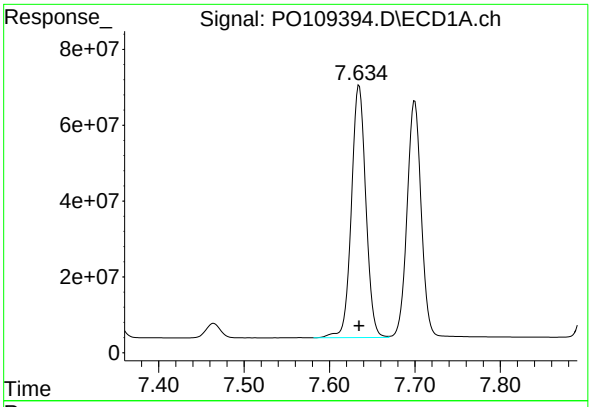
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.001 min
Response: 761784514
Conc: 72.92 ng/ml



#2 Decachlorobiphenyl

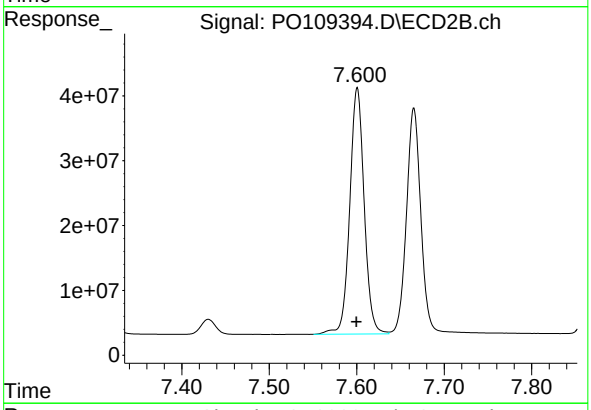
R.T.: 8.710 min
Delta R.T.: 0.001 min
Response: 387210924
Conc: 71.76 ng/ml



#41 AR-1268-1

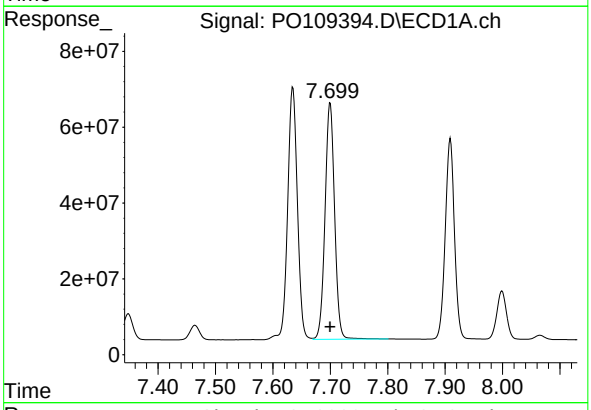
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 782288015
Conc: 733.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



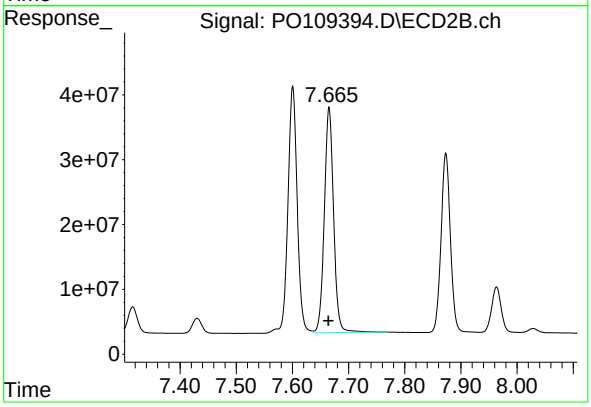
#41 AR-1268-1

R.T.: 7.601 min
Delta R.T.: 0.000 min
Response: 436226211
Conc: 730.42 ng/ml



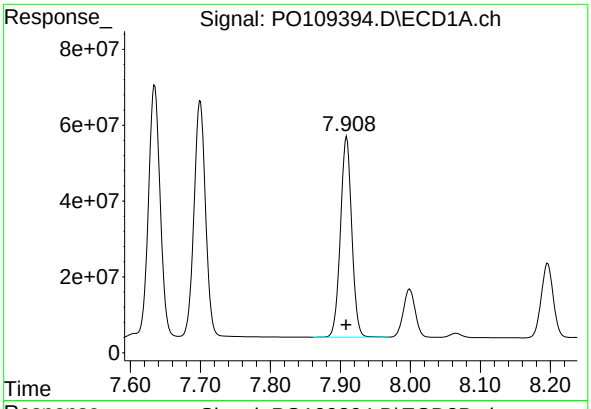
#42 AR-1268-2

R.T.: 7.700 min
Delta R.T.: 0.000 min
Response: 720714403
Conc: 733.94 ng/ml



#42 AR-1268-2

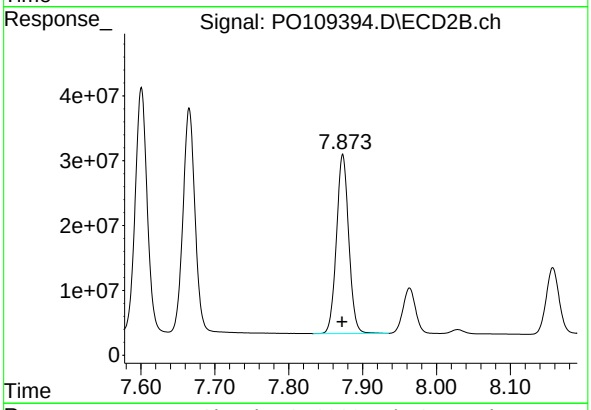
R.T.: 7.665 min
Delta R.T.: 0.001 min
Response: 399207129
Conc: 728.24 ng/ml



#43 AR-1268-3

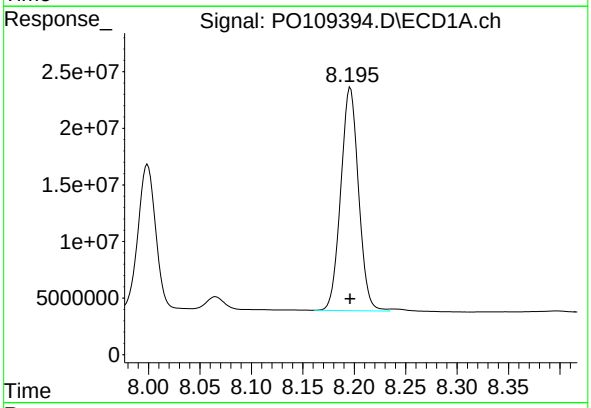
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 591730207
Conc: 733.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



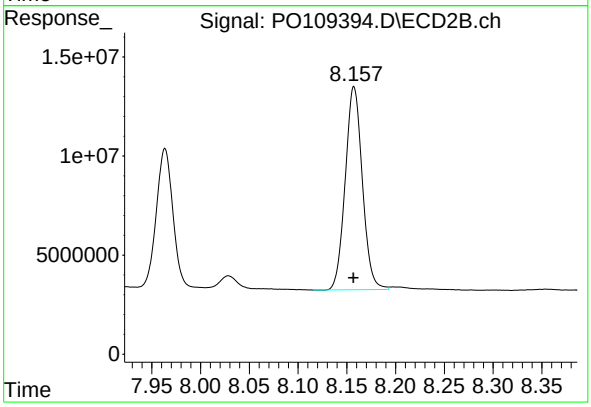
#43 AR-1268-3

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 318543602
Conc: 728.44 ng/ml



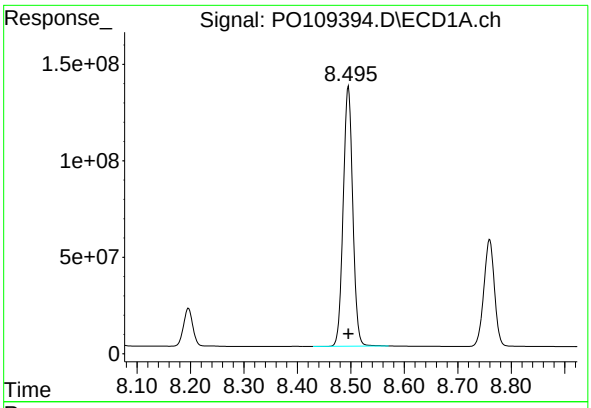
#44 AR-1268-4

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 237470318
Conc: 710.46 ng/ml



#44 AR-1268-4

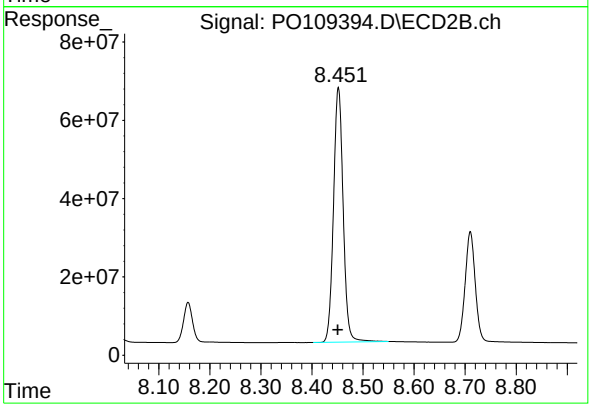
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 125030973
Conc: 719.72 ng/ml



#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 1671425593
Conc: 739.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.452 min
Delta R.T.: 0.001 min
Response: 854629551
Conc: 735.80 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:54
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: Feb 04 02:50:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	395.4E6	274.5E6	50.000	50.000
2)	SA Decachlor...	8.758	8.709	522.4E6	269.8E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	7.635	7.600	532.9E6	298.6E6	500.000	500.000
42)	L9 AR-1268-2	7.700	7.664	491.0E6	274.1E6	500.000	500.000
43)	L9 AR-1268-3	7.908	7.873	403.2E6	218.6E6	500.000	500.000
44)	L9 AR-1268-4	8.196	8.157	167.1E6	86861167	500.000	500.000
45)	L9 AR-1268-5	8.495	8.451	1130.8E6	580.8E6	500.000	500.000

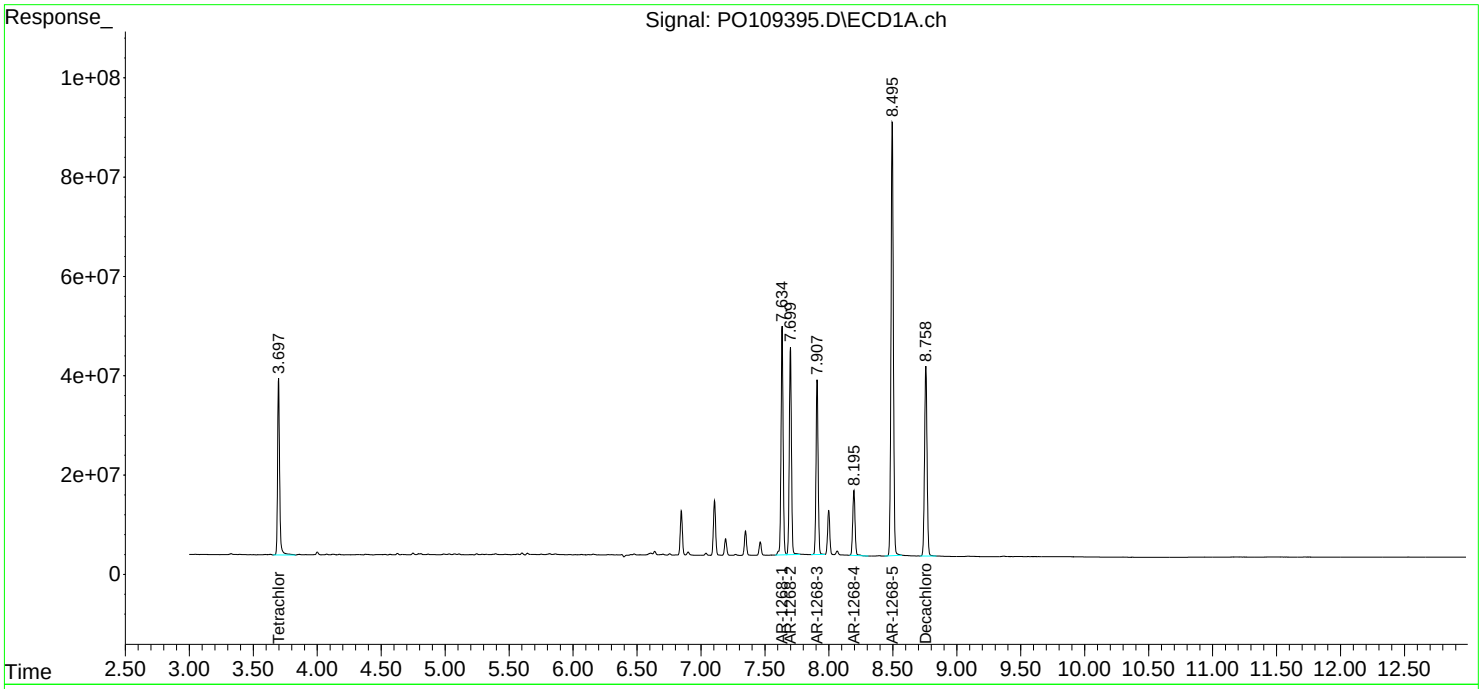
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

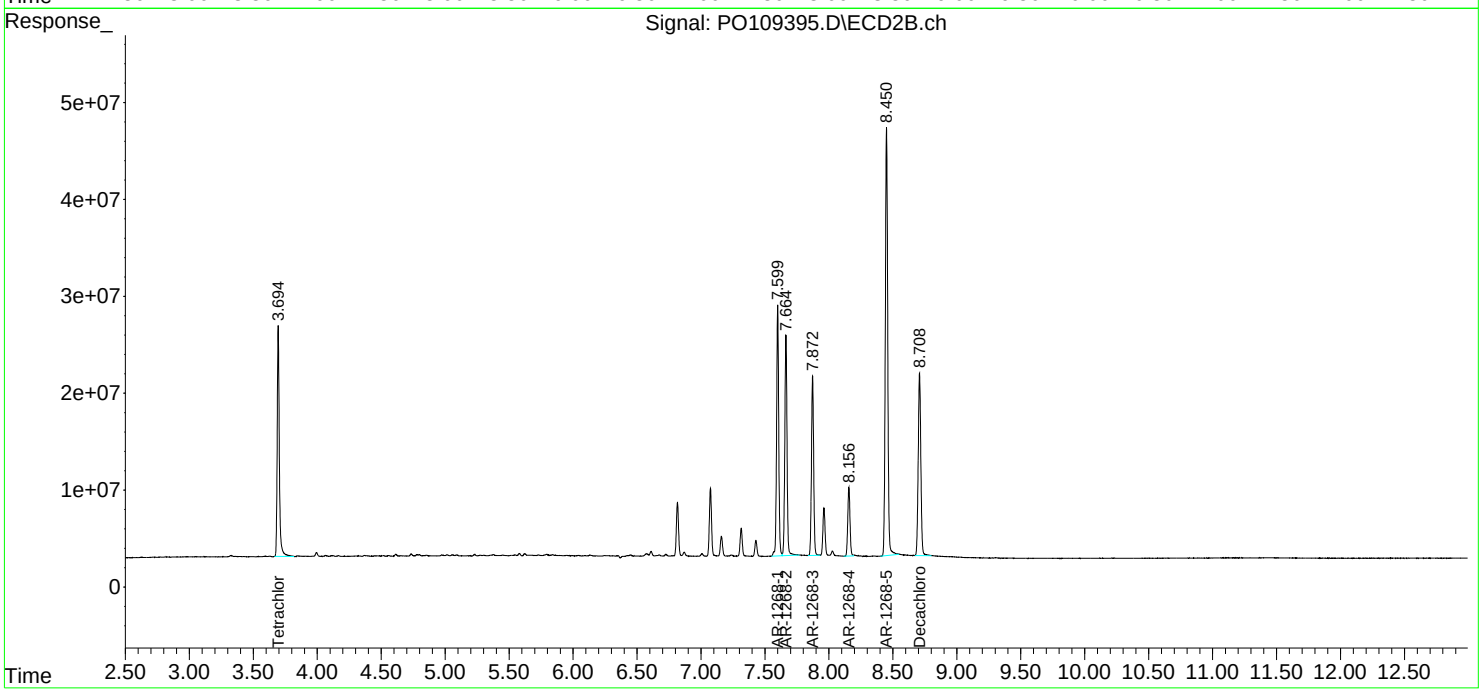
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:54
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

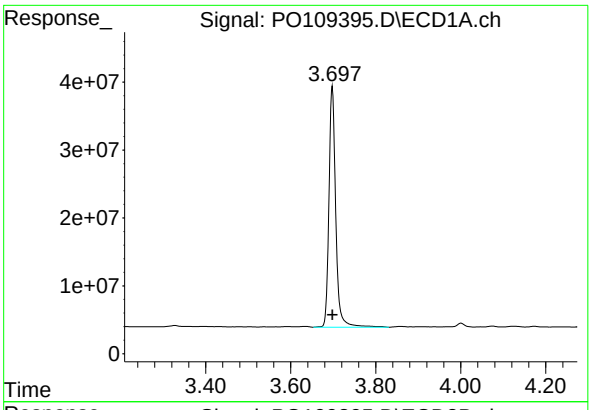
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 02:50:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



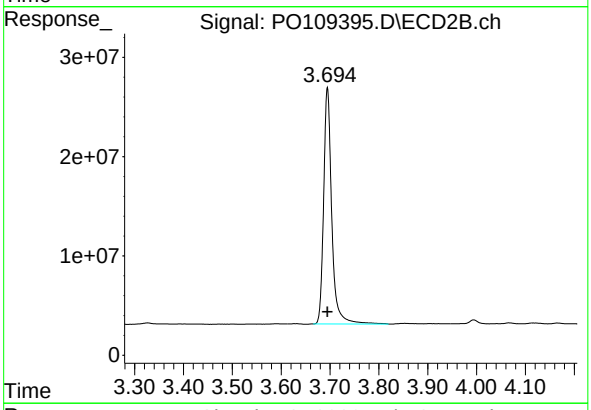




#1 Tetrachloro-m-xylene

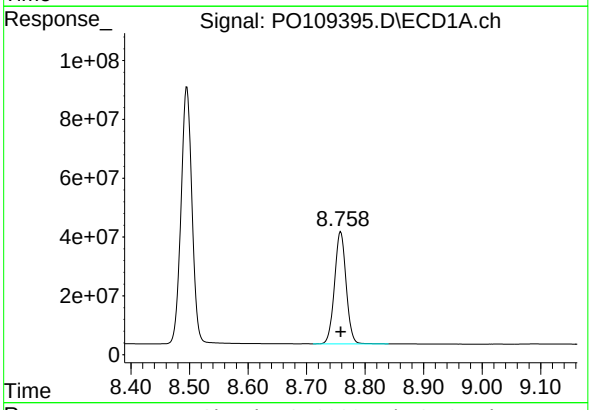
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 395434623
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



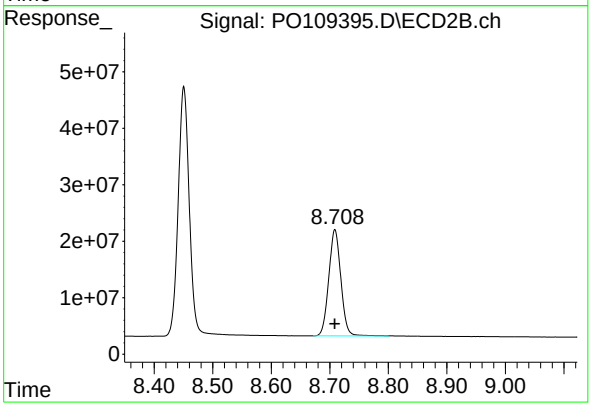
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 274517486
Conc: 50.00 ng/ml



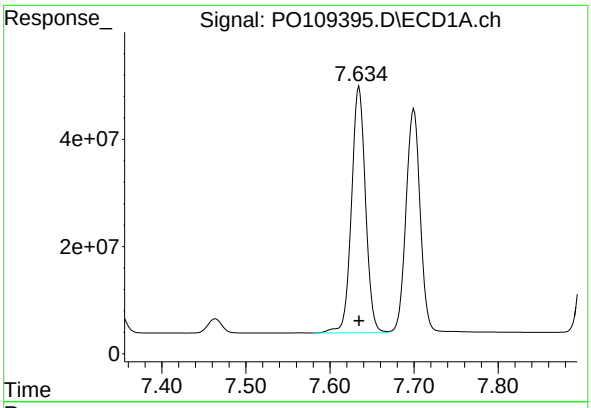
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 522354827
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

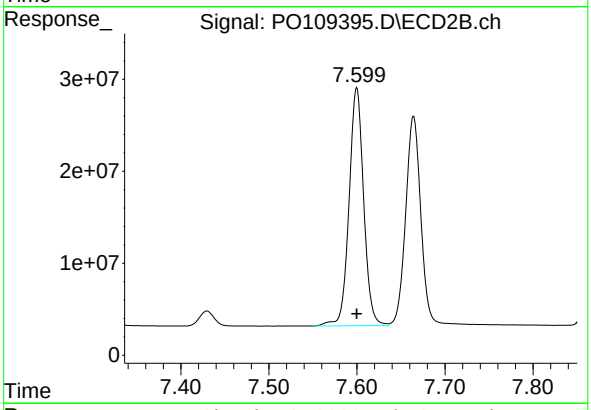
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 269796702
Conc: 50.00 ng/ml



#41 AR-1268-1

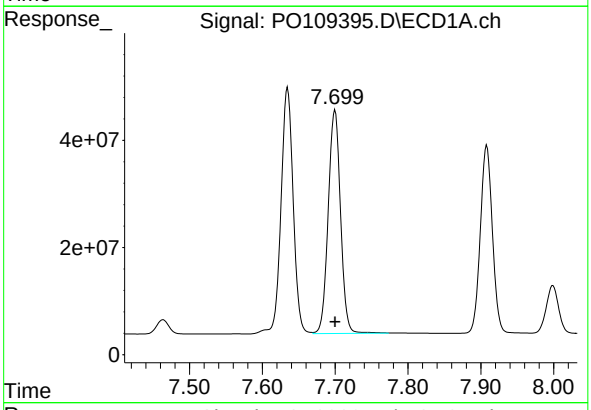
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 532898763
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



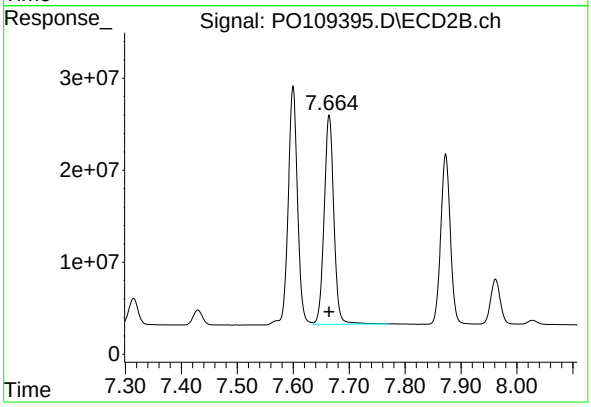
#41 AR-1268-1

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 298615257
Conc: 500.00 ng/ml



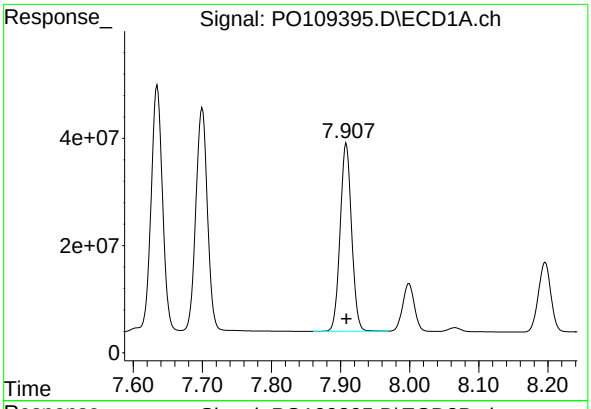
#42 AR-1268-2

R.T.: 7.700 min
Delta R.T.: 0.000 min
Response: 490992581
Conc: 500.00 ng/ml



#42 AR-1268-2

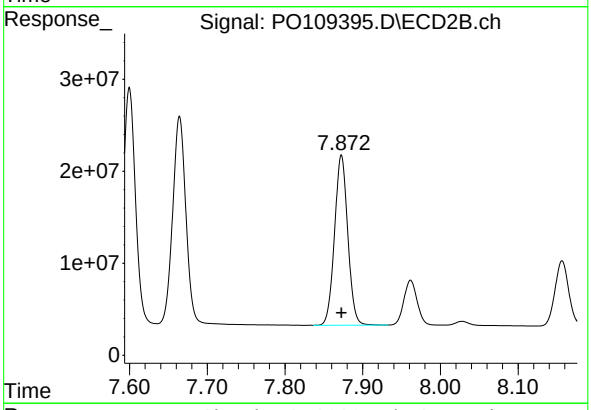
R.T.: 7.664 min
Delta R.T.: 0.000 min
Response: 274089335
Conc: 500.00 ng/ml



#43 AR-1268-3

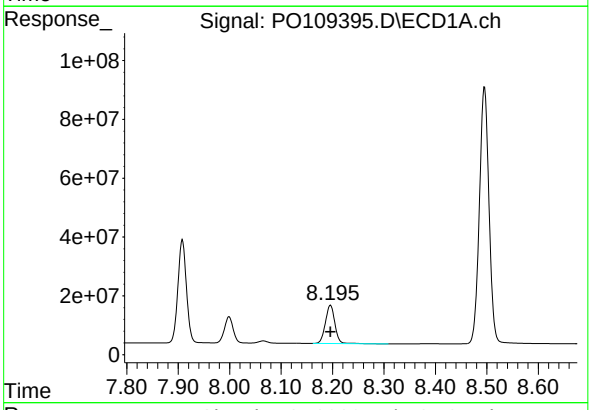
R.T.: 7.908 min
Delta R.T.: 0.000 min
Response: 403243354
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



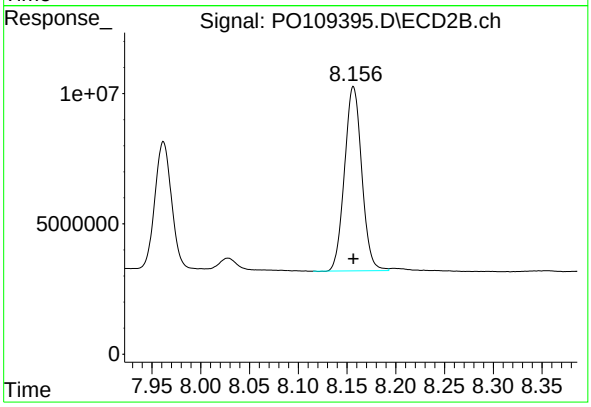
#43 AR-1268-3

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 218648855
Conc: 500.00 ng/ml



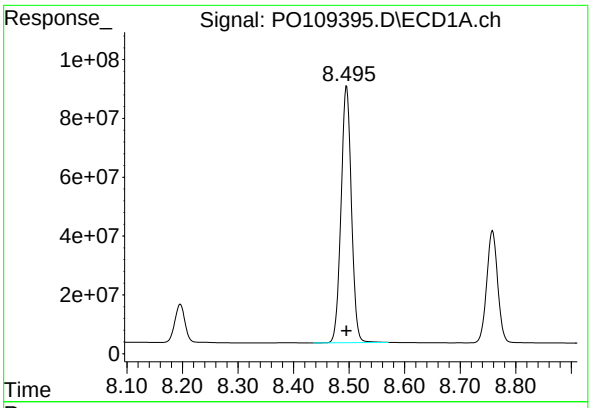
#44 AR-1268-4

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 167123587
Conc: 500.00 ng/ml



#44 AR-1268-4

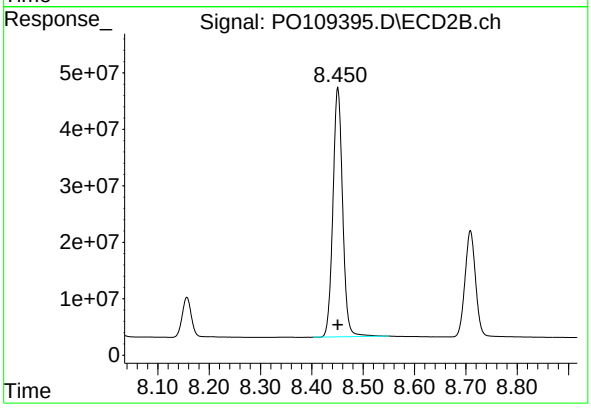
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 86861167
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 1130807284
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.451 min
Delta R.T.: 0.000 min
Response: 580751601
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:12
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: Feb 04 02:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	200.3E6	140.1E6	25.327	25.509
2)	SA Decachlor...	8.758	8.710	271.9E6	142.4E6	26.024	26.397
	Target Compounds						
41)	L9 AR-1268-1	7.634	7.600	274.2E6	156.2E6	257.261	261.561
42)	L9 AR-1268-2	7.700	7.664	252.1E6	142.9E6	256.681	260.703
43)	L9 AR-1268-3	7.909	7.872	207.9E6	114.9E6	257.728	262.653
44)	L9 AR-1268-4	8.196	8.157	89639611	46144272	268.184	265.621
45)	L9 AR-1268-5	8.495	8.451	569.8E6	299.3E6	251.927	257.654

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

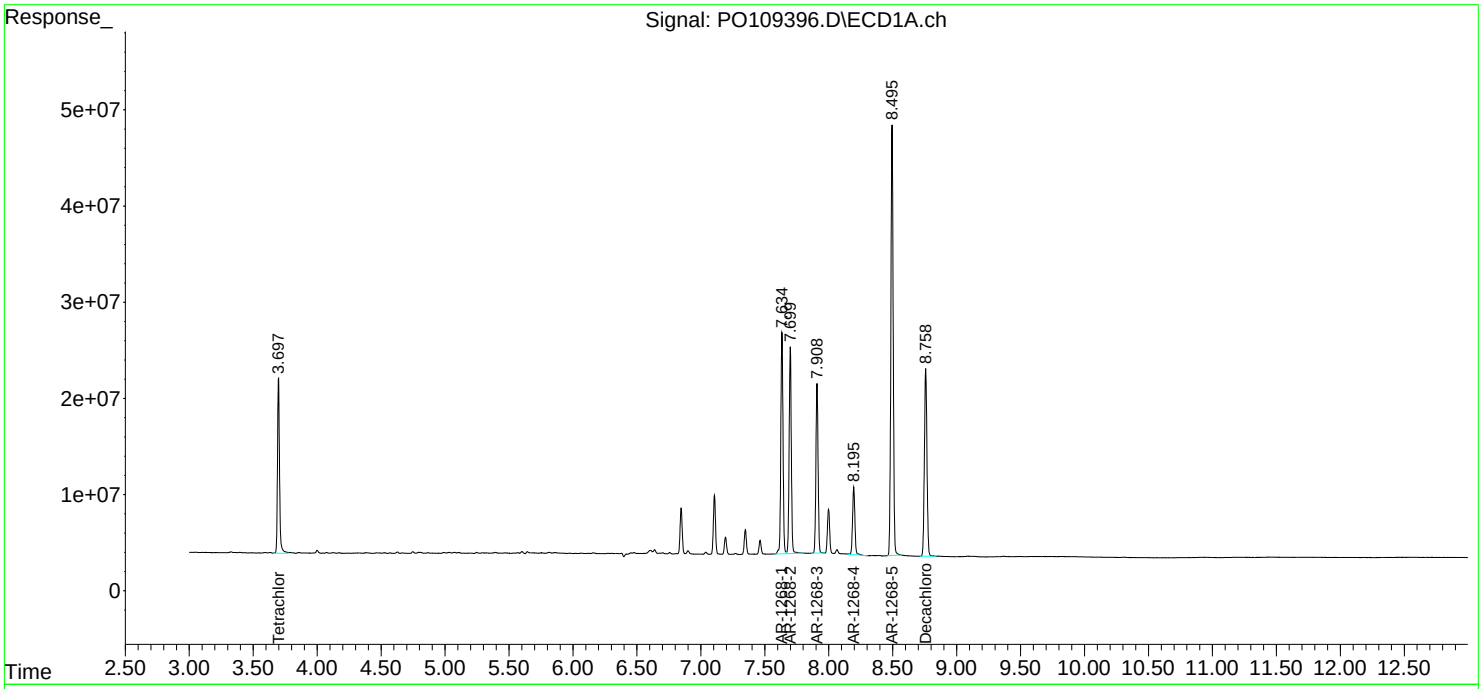
ICAL Form

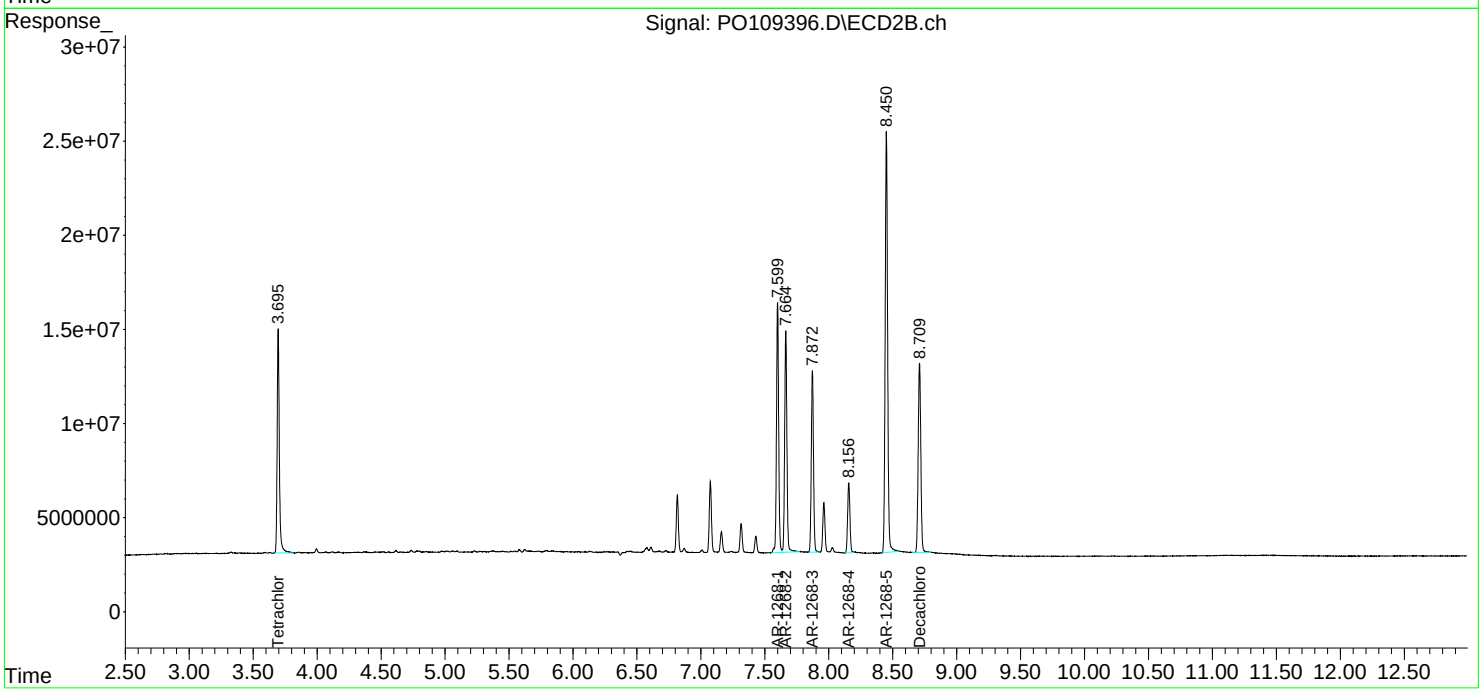
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:12
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

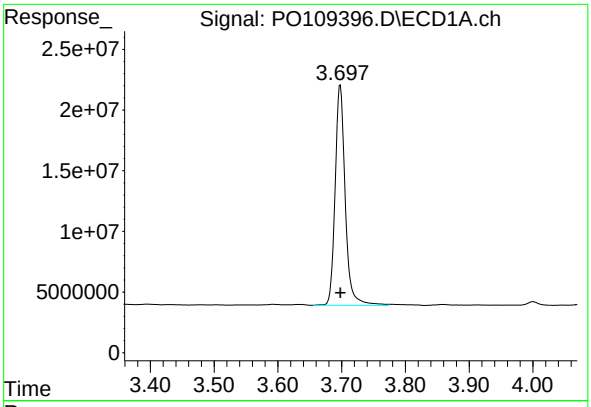
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 02:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



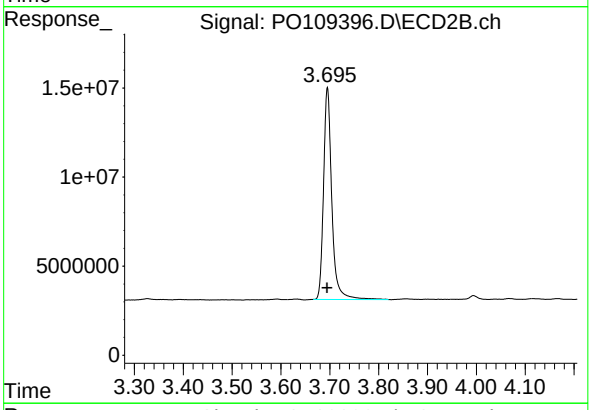




#1 Tetrachloro-m-xylene

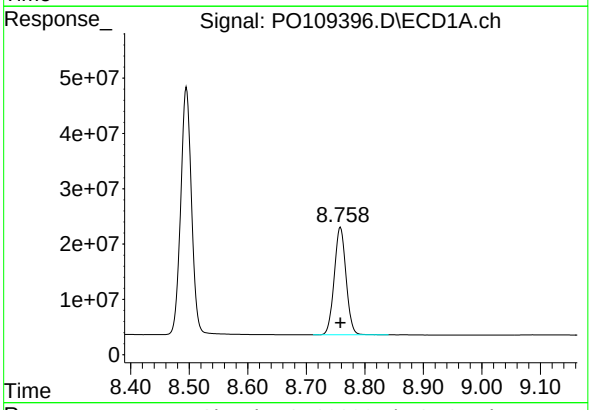
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 200302389
Conc: 25.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



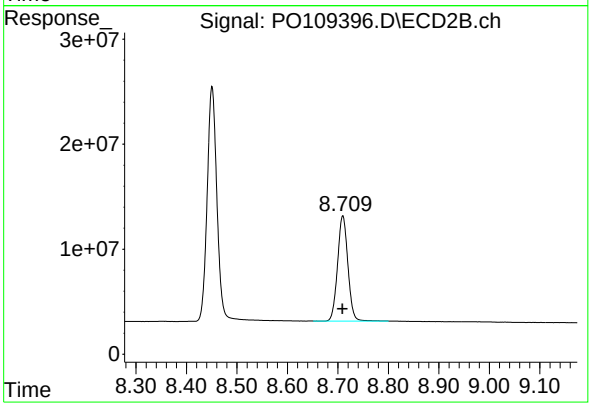
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 140053834
Conc: 25.51 ng/ml



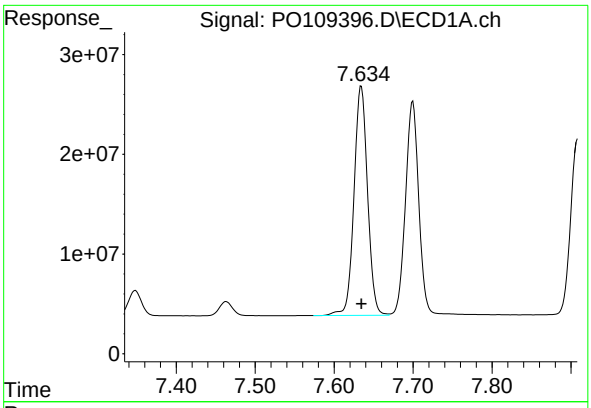
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 271874500
Conc: 26.02 ng/ml



#2 Decachlorobiphenyl

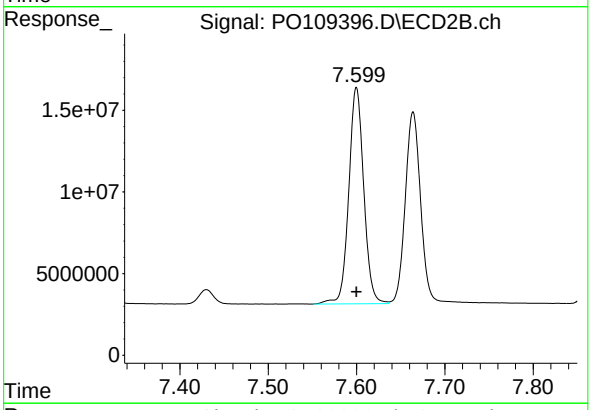
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 142437961
Conc: 26.40 ng/ml



#41 AR-1268-1

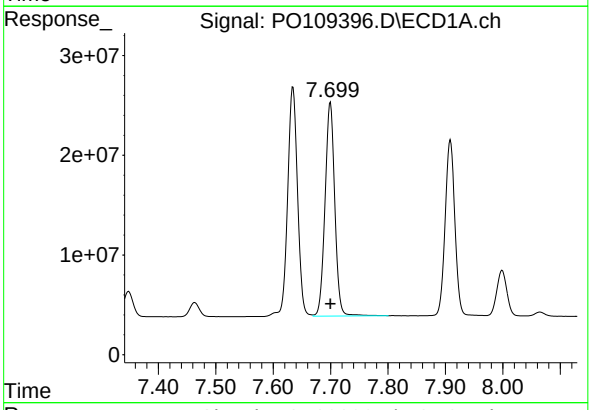
R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 274187636
Conc: 257.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



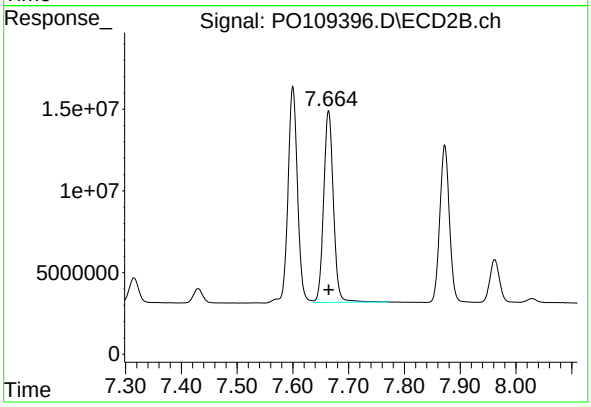
#41 AR-1268-1

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 156212458
Conc: 261.56 ng/ml



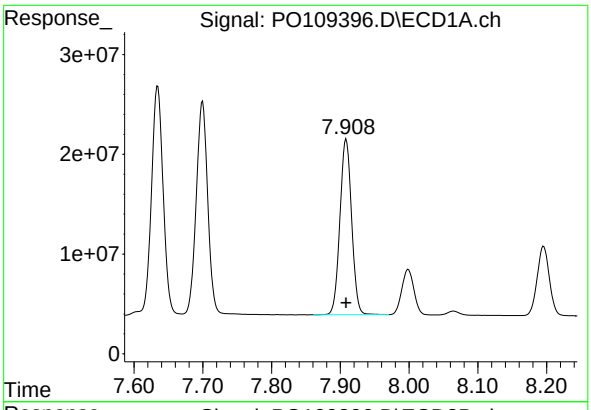
#42 AR-1268-2

R.T.: 7.700 min
Delta R.T.: 0.000 min
Response: 252056505
Conc: 256.68 ng/ml



#42 AR-1268-2

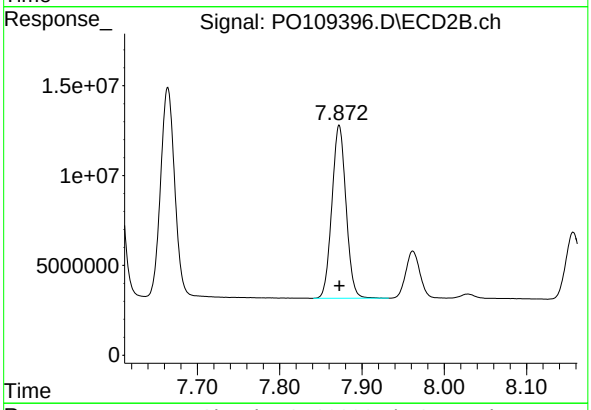
R.T.: 7.664 min
Delta R.T.: 0.000 min
Response: 142911690
Conc: 260.70 ng/ml



#43 AR-1268-3

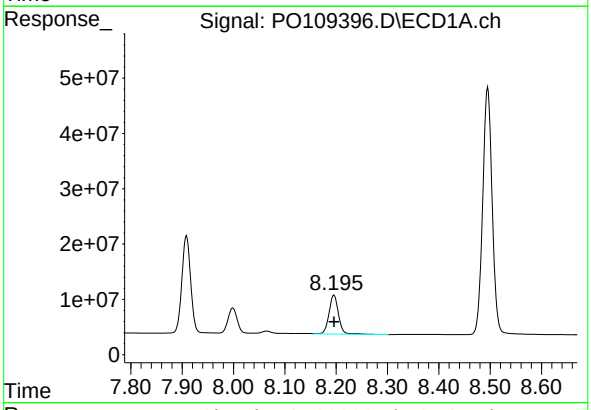
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 207854039
Conc: 257.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



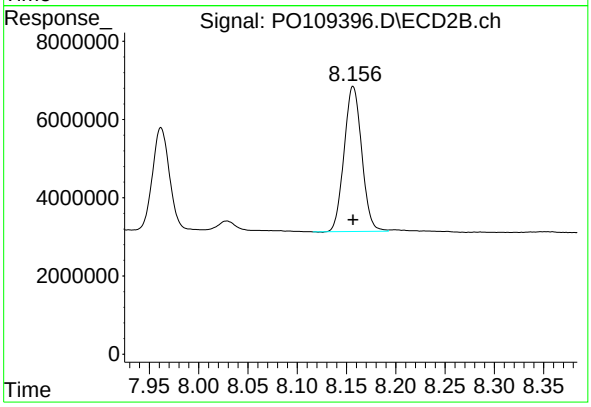
#43 AR-1268-3

R.T.: 7.872 min
Delta R.T.: 0.000 min
Response: 114857557
Conc: 262.65 ng/ml



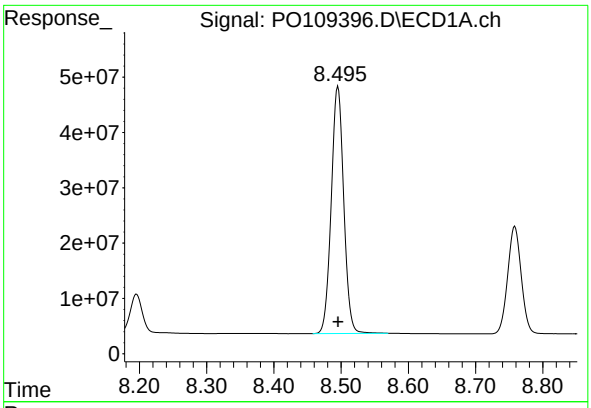
#44 AR-1268-4

R.T.: 8.196 min
Delta R.T.: 0.000 min
Response: 89639611
Conc: 268.18 ng/ml



#44 AR-1268-4

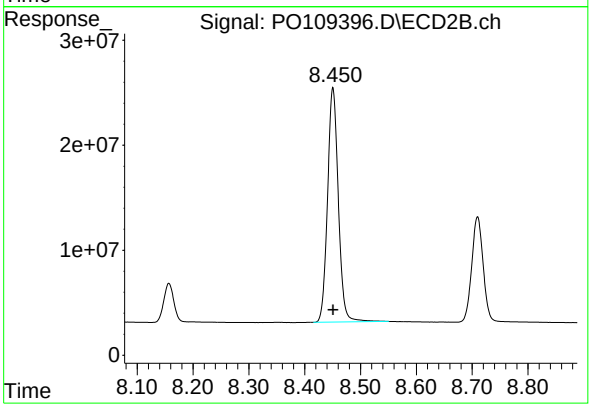
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 46144272
Conc: 265.62 ng/ml



#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 569762093
Conc: 251.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.451 min
Delta R.T.: 0.000 min
Response: 299266191
Conc: 257.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:30
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 02:51:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	36184574	23976684	4.575	4.367
2)	SA Decachlor...	8.758	8.708	52135816	27751090	4.990	5.143
	Target Compounds						
41)	L9 AR-1268-1	7.635	7.599	52015759	30407232	48.805	50.914
42)	L9 AR-1268-2	7.699	7.663	47192485	26962765	48.058	49.186
43)	L9 AR-1268-3	7.908	7.871	39458364	22081763	48.926	50.496
44)	L9 AR-1268-4	8.195	8.156	19247269	8514945	57.584	49.015
45)	L9 AR-1268-5	8.495	8.450	102.5E6	56041311	45.320	48.249

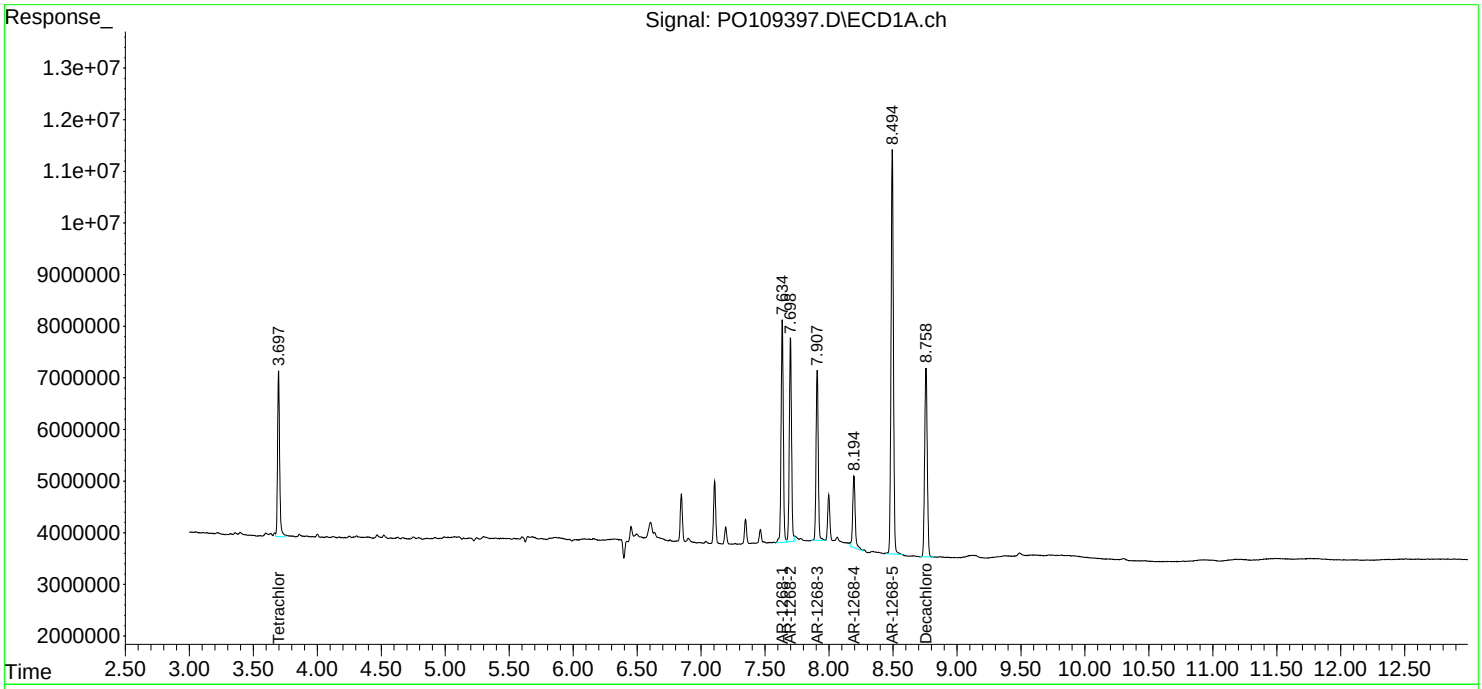
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

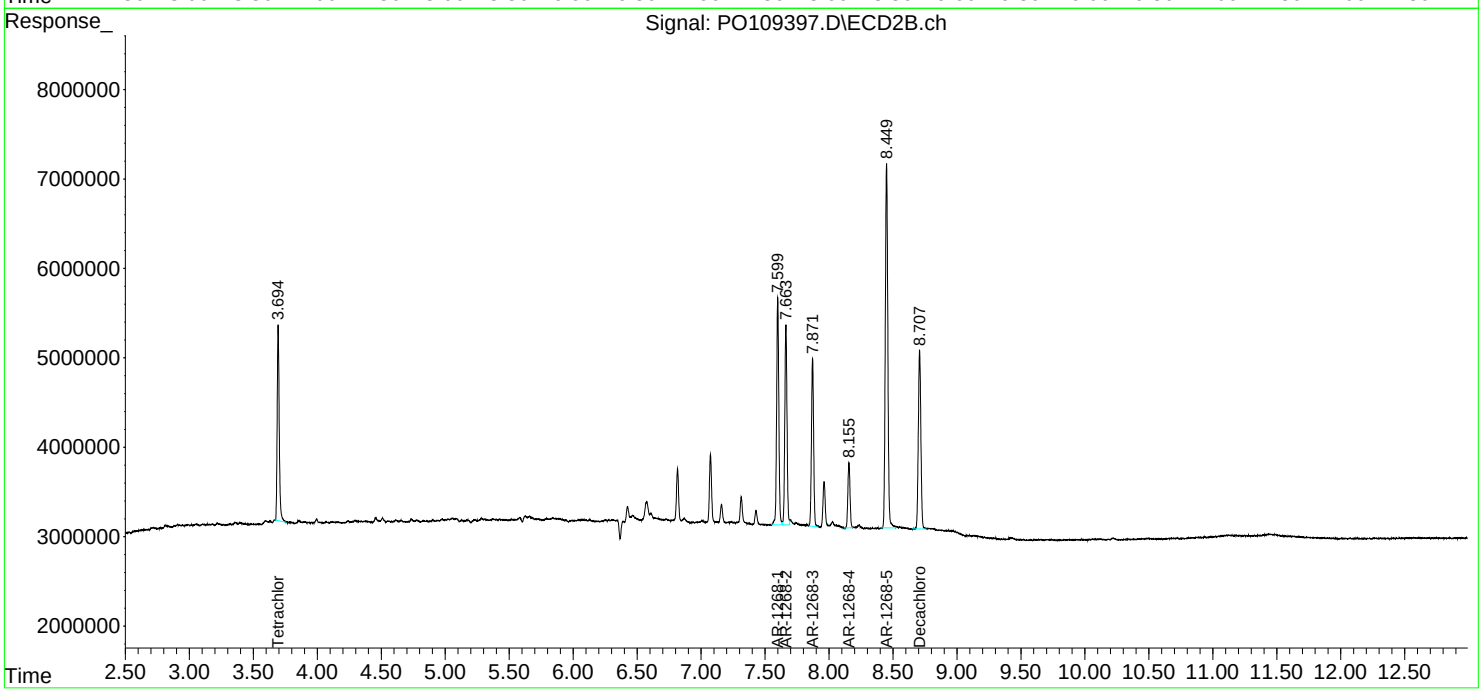
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:30
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

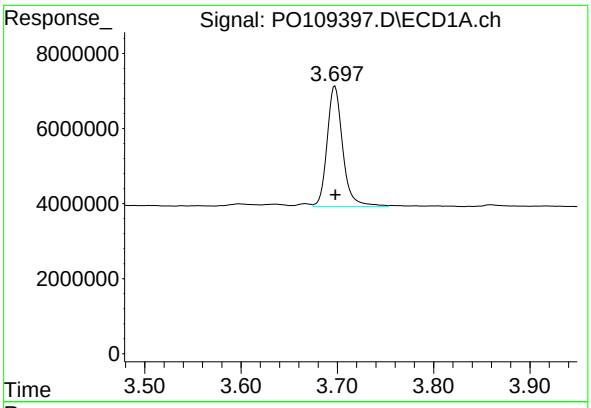
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 02:51:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:49:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



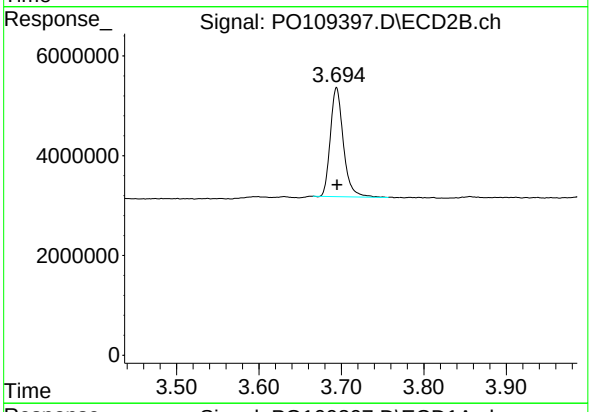




#1 Tetrachloro-m-xylene

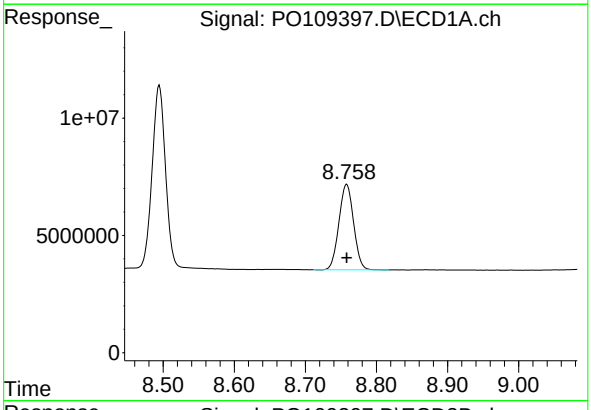
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 36184574
Conc: 4.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



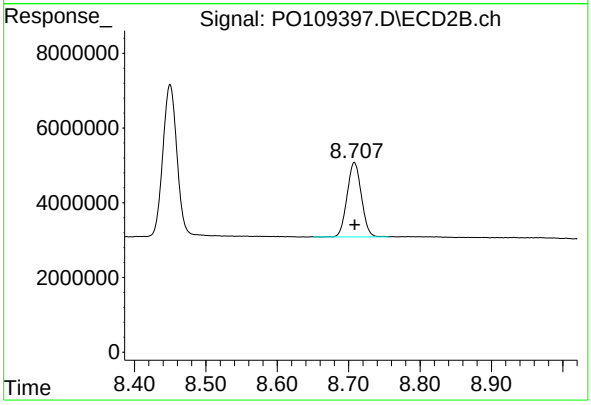
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 23976684
Conc: 4.37 ng/ml



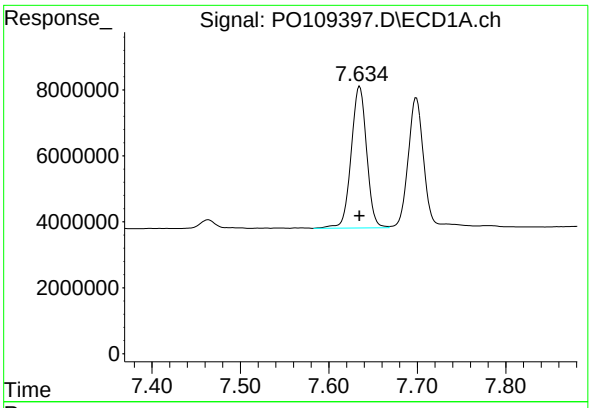
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 52135816
Conc: 4.99 ng/ml



#2 Decachlorobiphenyl

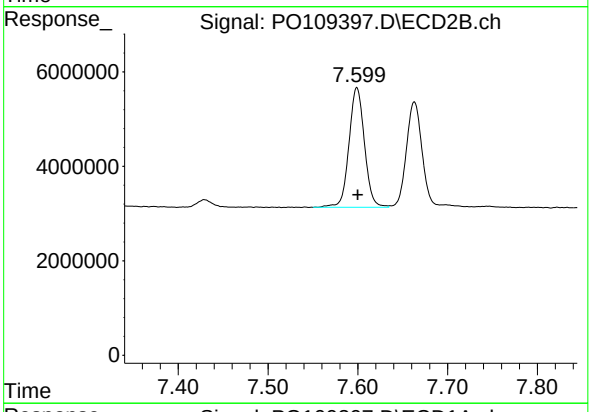
R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 27751090
Conc: 5.14 ng/ml



#41 AR-1268-1

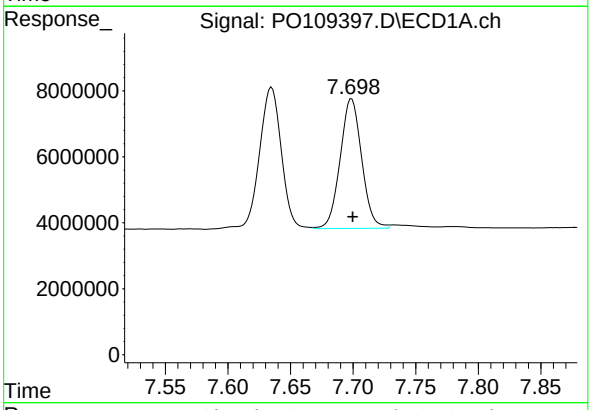
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 52015759
Conc: 48.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



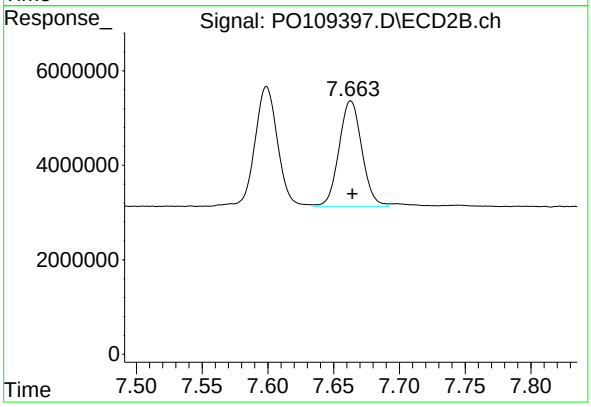
#41 AR-1268-1

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 30407232
Conc: 50.91 ng/ml



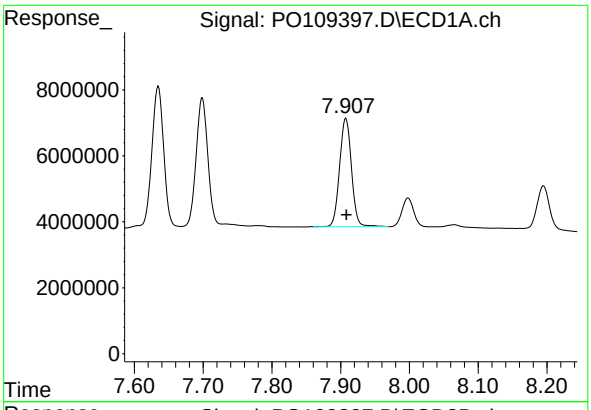
#42 AR-1268-2

R.T.: 7.699 min
Delta R.T.: 0.000 min
Response: 47192485
Conc: 48.06 ng/ml



#42 AR-1268-2

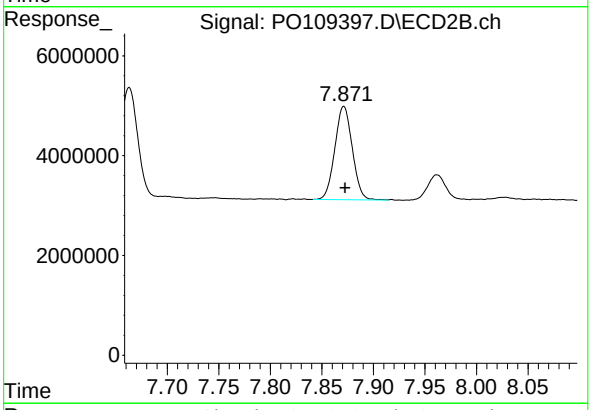
R.T.: 7.663 min
Delta R.T.: -0.001 min
Response: 26962765
Conc: 49.19 ng/ml



#43 AR-1268-3

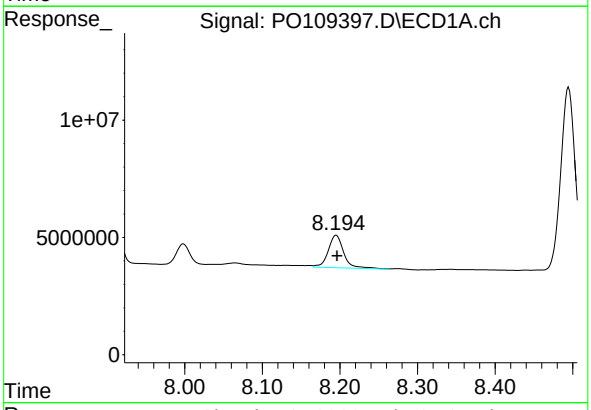
R.T.: 7.908 min
Delta R.T.: 0.000 min
Response: 39458364
Conc: 48.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



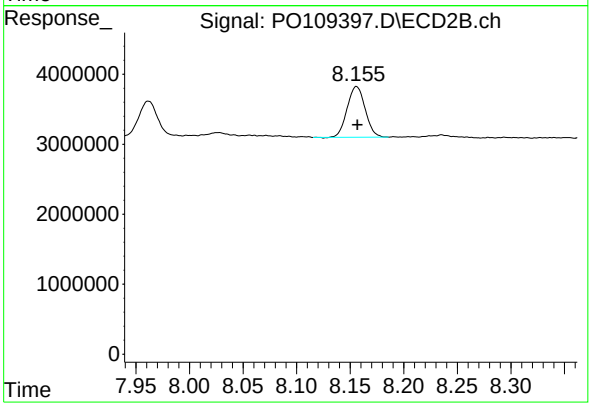
#43 AR-1268-3

R.T.: 7.871 min
Delta R.T.: -0.001 min
Response: 22081763
Conc: 50.50 ng/ml



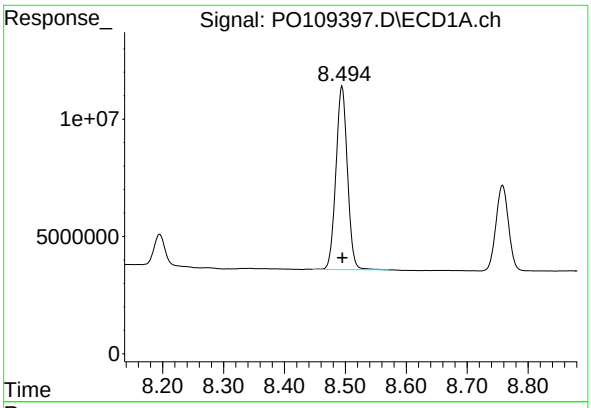
#44 AR-1268-4

R.T.: 8.195 min
Delta R.T.: 0.000 min
Response: 19247269
Conc: 57.58 ng/ml



#44 AR-1268-4

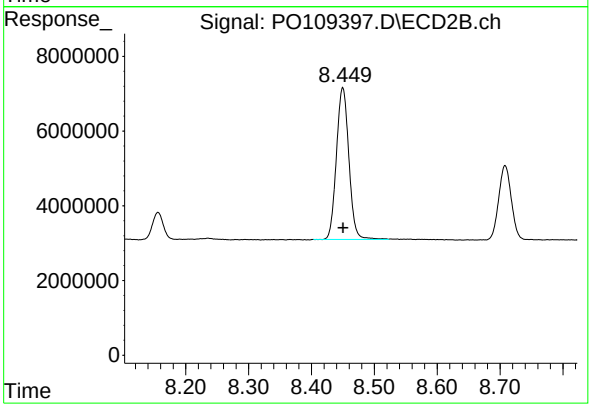
R.T.: 8.156 min
Delta R.T.: 0.000 min
Response: 8514945
Conc: 49.01 ng/ml



#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 102495597
Conc: 45.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.450 min
Delta R.T.: 0.000 min
Response: 56041311
Conc: 48.25 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:49
Operator : YP/AJ
Sample : PO020325ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO020325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:29:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	441.8E6	306.2E6	58.300	57.333
2)	SA Decachlor...	8.758	8.709	352.9E6	182.1E6	54.445	58.437
	Target Compounds						
3)	L1 AR-1016-1	4.792	4.779	141.2E6	92204000	553.013	549.151
4)	L1 AR-1016-2	4.812	4.798	192.5E6	129.6E6	562.164	558.589
5)	L1 AR-1016-3	4.868	4.973	135.6E6	71310136	559.278	557.071
6)	L1 AR-1016-4	4.989	5.015	106.9E6	60098306	556.648	547.388
7)	L1 AR-1016-5	5.246	5.229	115.1E6	78619101	560.629	560.450
31)	L7 AR-1260-1	6.289	6.262	207.7E6	135.8E6	556.332	549.631
32)	L7 AR-1260-2	6.478	6.449	253.9E6	160.7E6	554.271	550.324
33)	L7 AR-1260-3	6.846	6.603	213.7E6	151.2E6	558.087	531.475
34)	L7 AR-1260-4	7.107	7.075	195.9E6	120.7E6	559.363	547.923
35)	L7 AR-1260-5	7.348	7.315	463.2E6	271.8E6	567.937	553.893

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

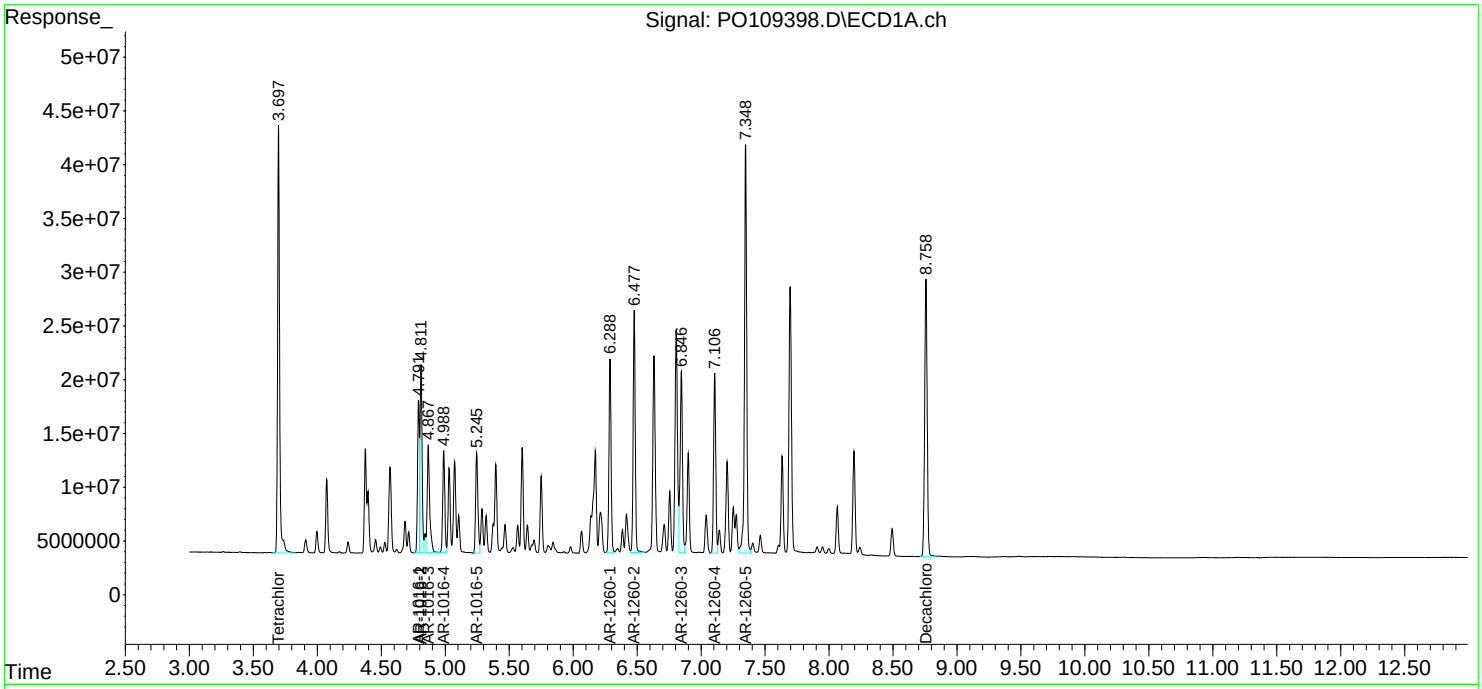
ICAL Form

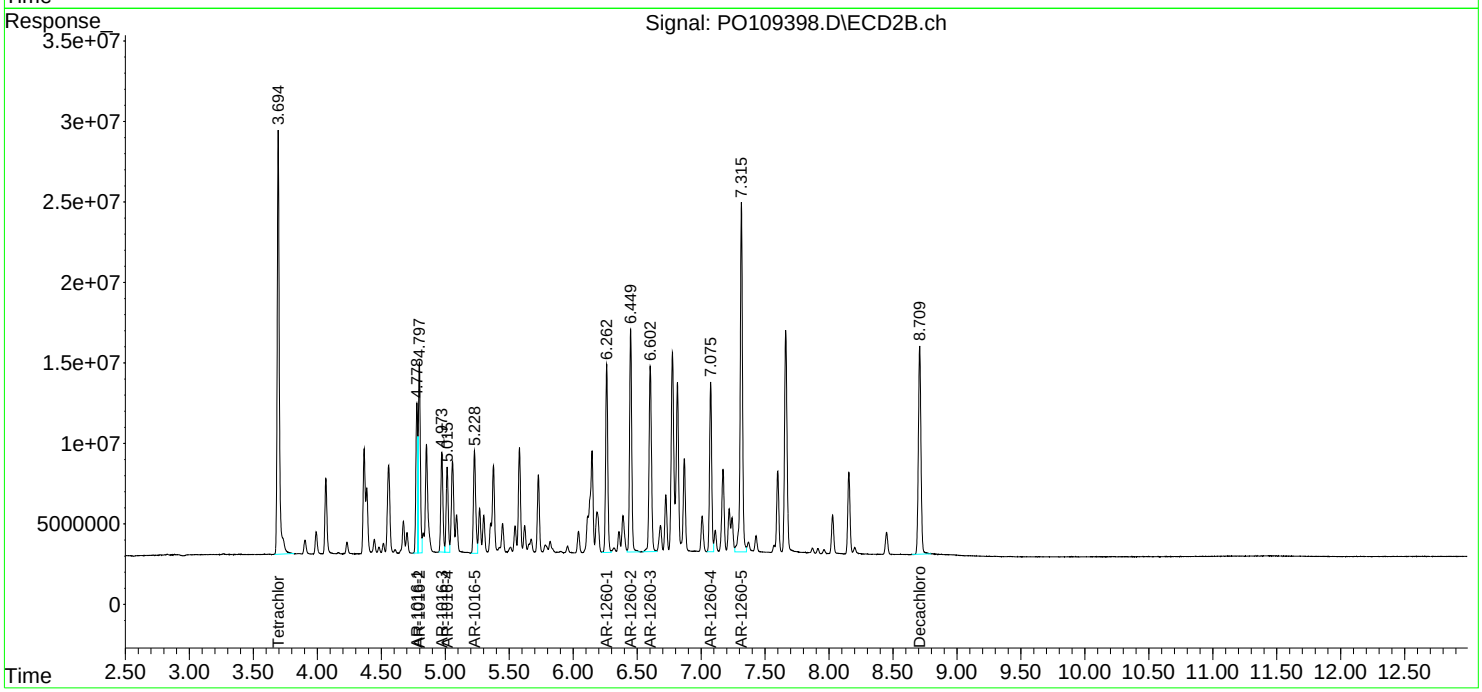
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:49
Operator : YP/AJ
Sample : PO020325ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

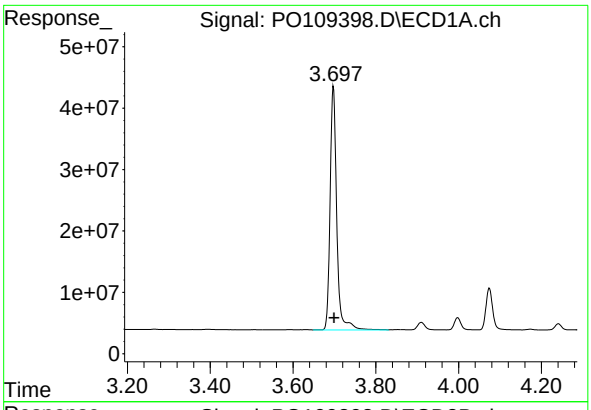
Instrument :
ECD_O
ClientSampleId :
ICVPO020325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:29:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 02:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



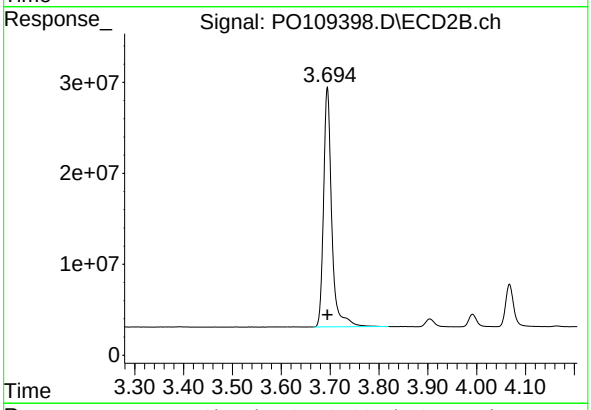




#1 Tetrachloro-m-xylene

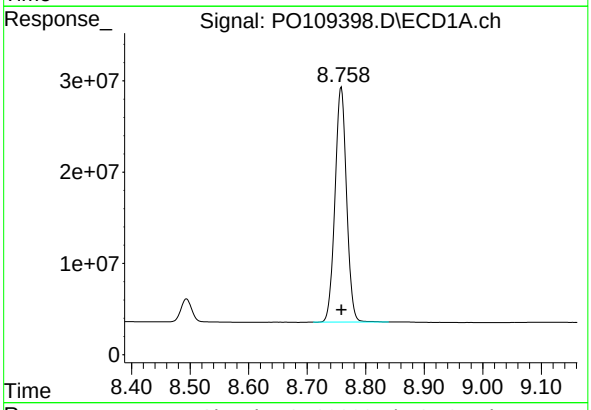
R.T.: 3.697 min
Delta R.T.: -0.002 min
Response: 441847972
Conc: 58.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



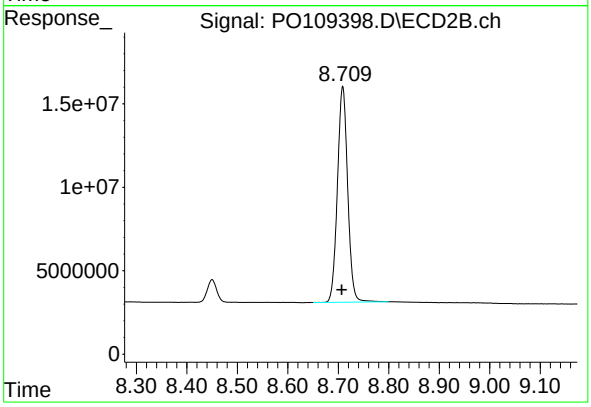
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 306207963
Conc: 57.33 ng/ml



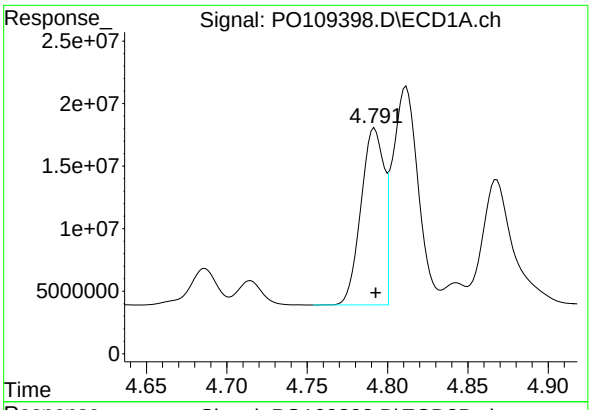
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 352872470
Conc: 54.45 ng/ml



#2 Decachlorobiphenyl

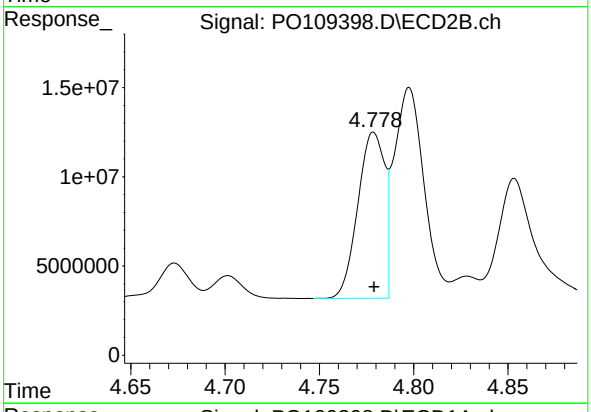
R.T.: 8.709 min
Delta R.T.: 0.002 min
Response: 182107838
Conc: 58.44 ng/ml



#3 AR-1016-1

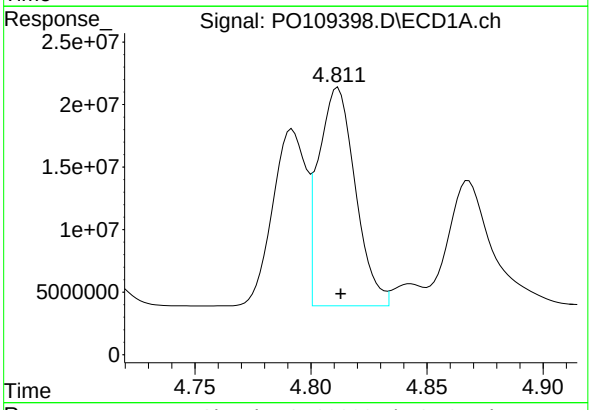
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 141176144
Conc: 553.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



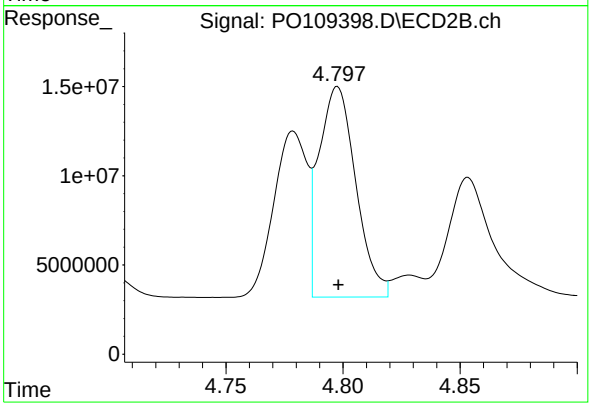
#3 AR-1016-1

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 92204000
Conc: 549.15 ng/ml



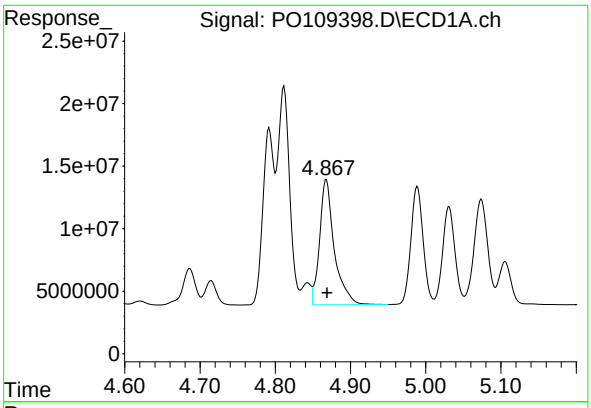
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: -0.001 min
Response: 192530863
Conc: 562.16 ng/ml



#4 AR-1016-2

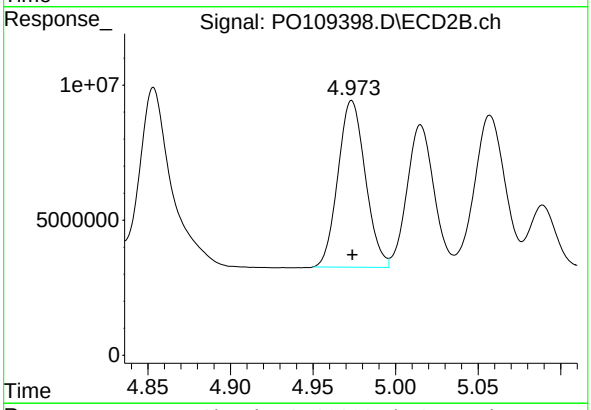
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 129625477
Conc: 558.59 ng/ml



#5 AR-1016-3

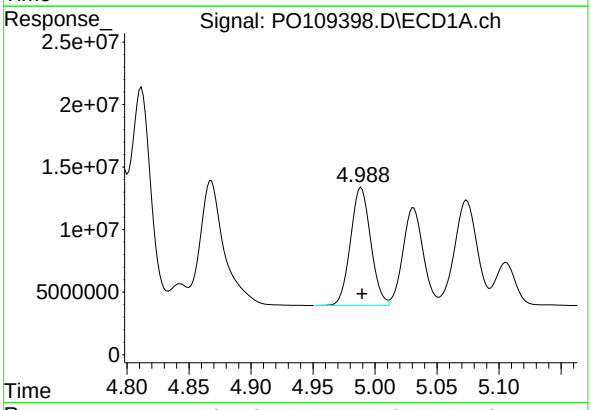
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 135608881
Conc: 559.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



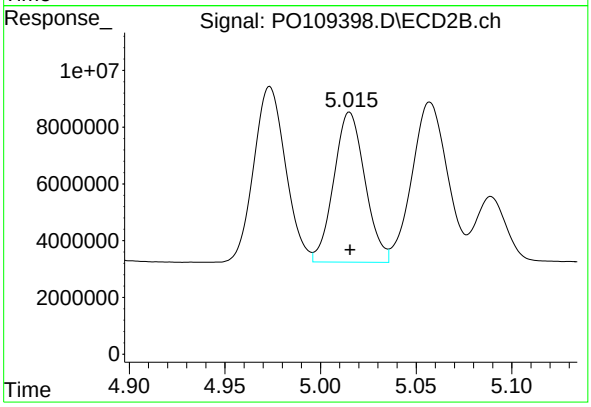
#5 AR-1016-3

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 71310136
Conc: 557.07 ng/ml



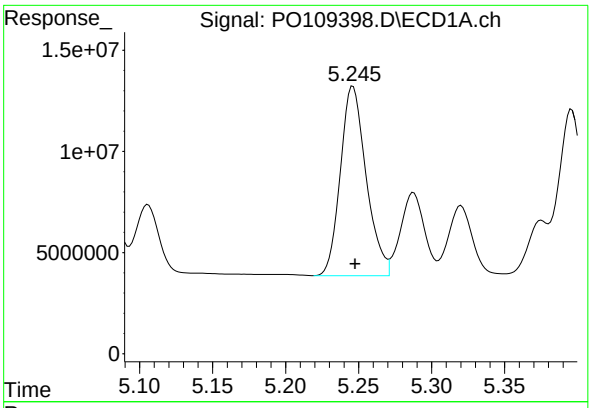
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 106940135
Conc: 556.65 ng/ml



#6 AR-1016-4

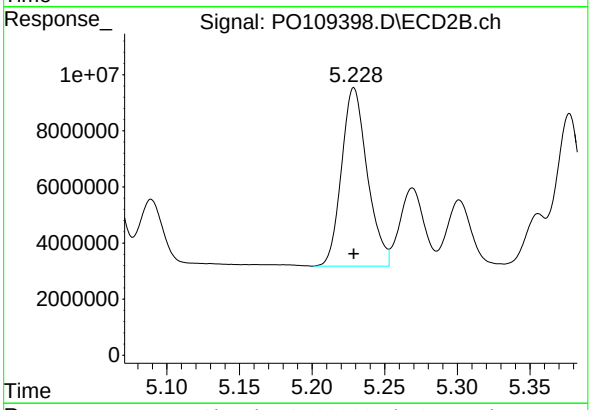
R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 60098306
Conc: 547.39 ng/ml



#7 AR-1016-5

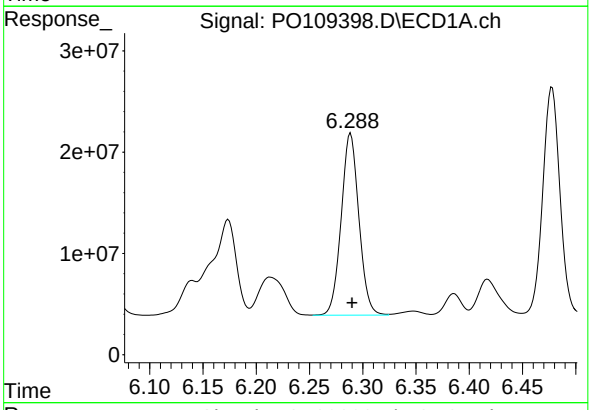
R.T.: 5.246 min
Delta R.T.: -0.002 min
Response: 115135168
Conc: 560.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



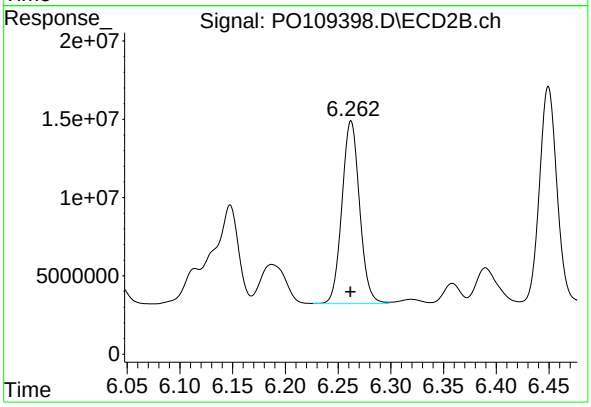
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 78619101
Conc: 560.45 ng/ml



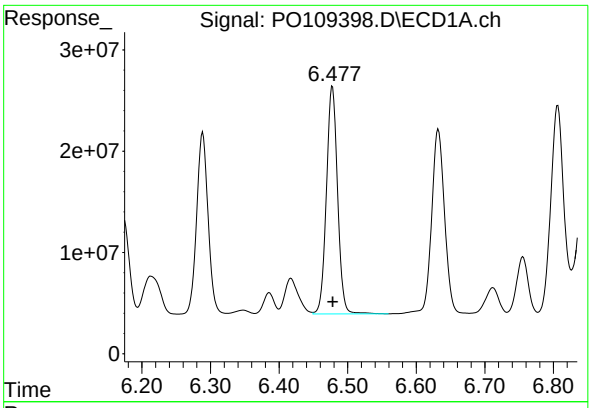
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: -0.001 min
Response: 207671013
Conc: 556.33 ng/ml



#31 AR-1260-1

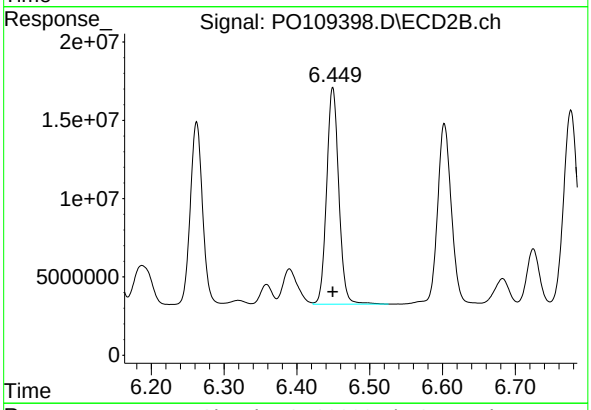
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 135824794
Conc: 549.63 ng/ml



#32 AR-1260-2

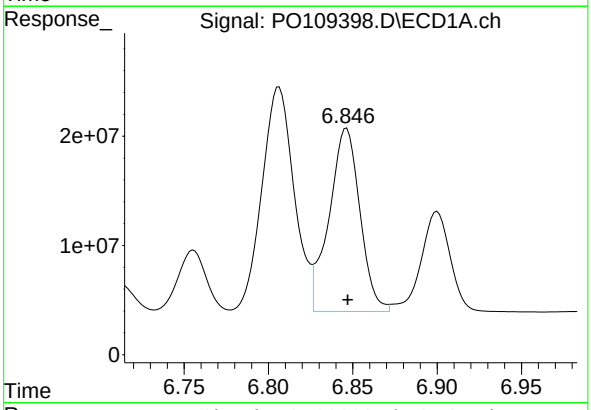
R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 253936454
Conc: 554.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



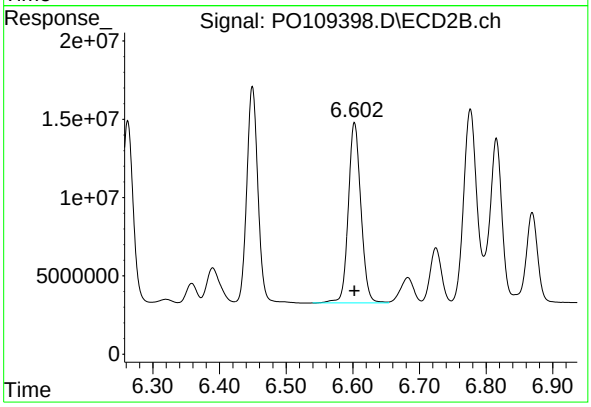
#32 AR-1260-2

R.T.: 6.449 min
Delta R.T.: 0.000 min
Response: 160738089
Conc: 550.32 ng/ml



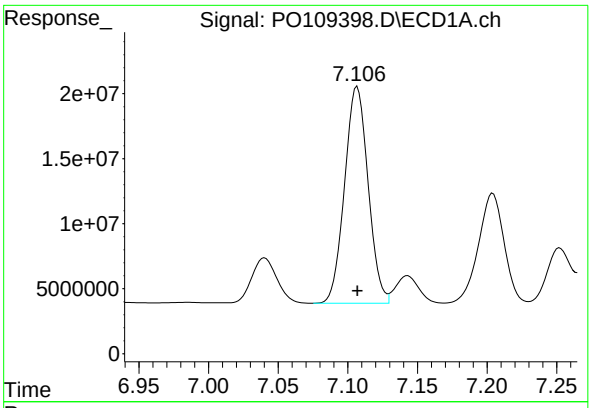
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 213745715
Conc: 558.09 ng/ml



#33 AR-1260-3

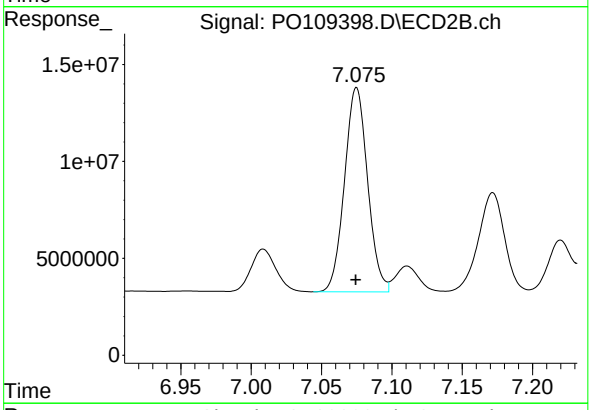
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 151154181
Conc: 531.48 ng/ml



#34 AR-1260-4

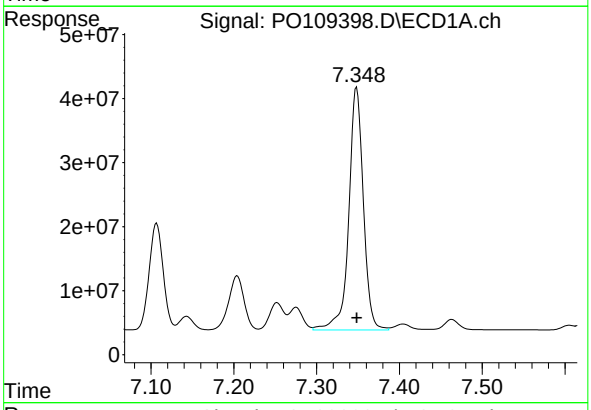
R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 195899402
Conc: 559.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



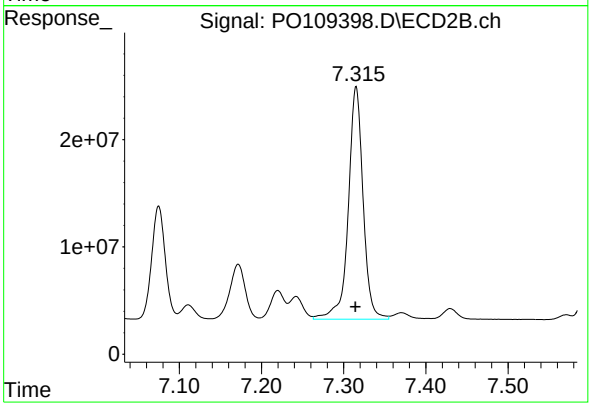
#34 AR-1260-4

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 120664927
Conc: 547.92 ng/ml



#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: 0.000 min
Response: 463197035
Conc: 567.94 ng/ml



#35 AR-1260-5

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 271812966
Conc: 553.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 03:07
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:42:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 03:40:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.695	426.4E6	293.3E6	56.802	56.767
2)	SA Decachlor...	8.759	8.709	332.5E6	171.0E6	54.678	57.383
	Target Compounds						
16)	L4 AR-1242-1	4.793	4.779	118.7E6	77402640	553.494	548.620
17)	L4 AR-1242-2	4.813	4.798	159.8E6	107.8E6	557.570	554.728
18)	L4 AR-1242-3	4.869	4.974	113.5E6	59797503	557.399	555.977
19)	L4 AR-1242-4	4.990	5.059	89356566	62120105	556.714	551.030
20)	L4 AR-1242-5	5.644	5.580	94283504	75159343	558.453	564.215

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

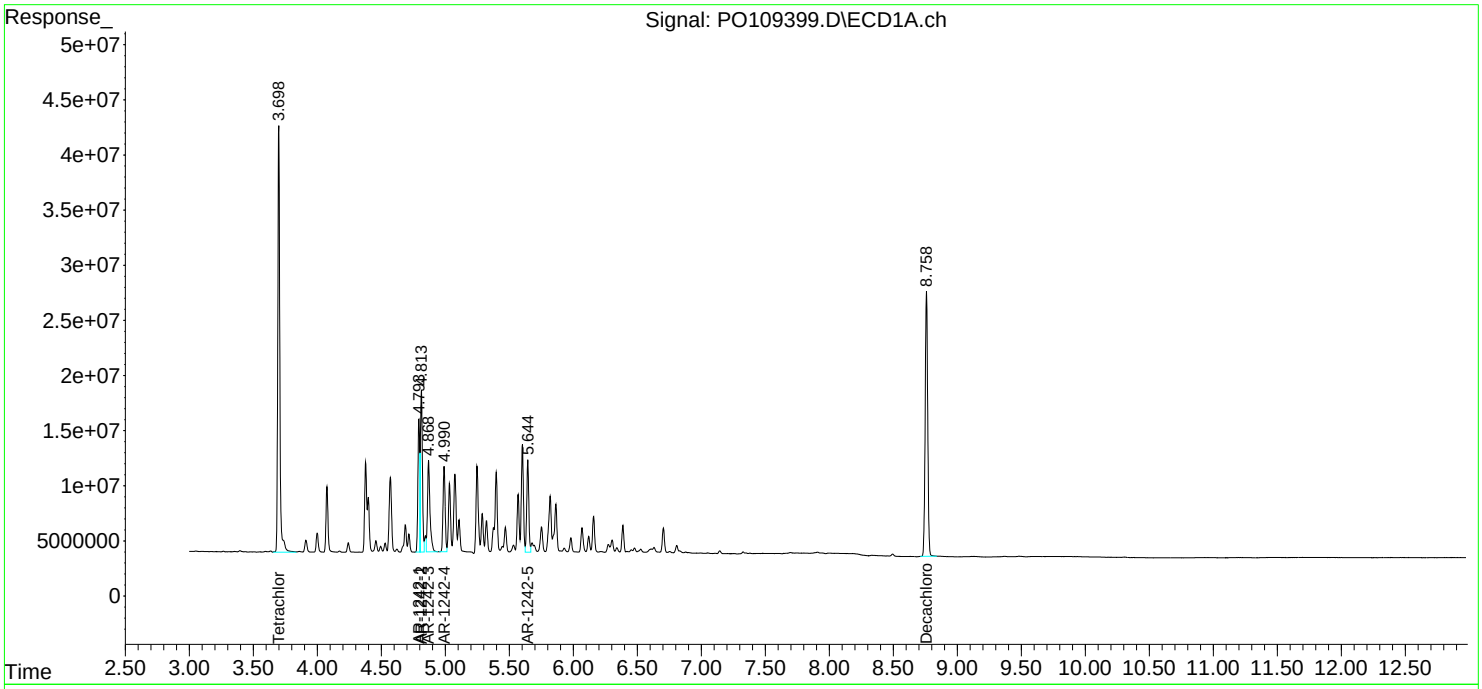
ICAL Form

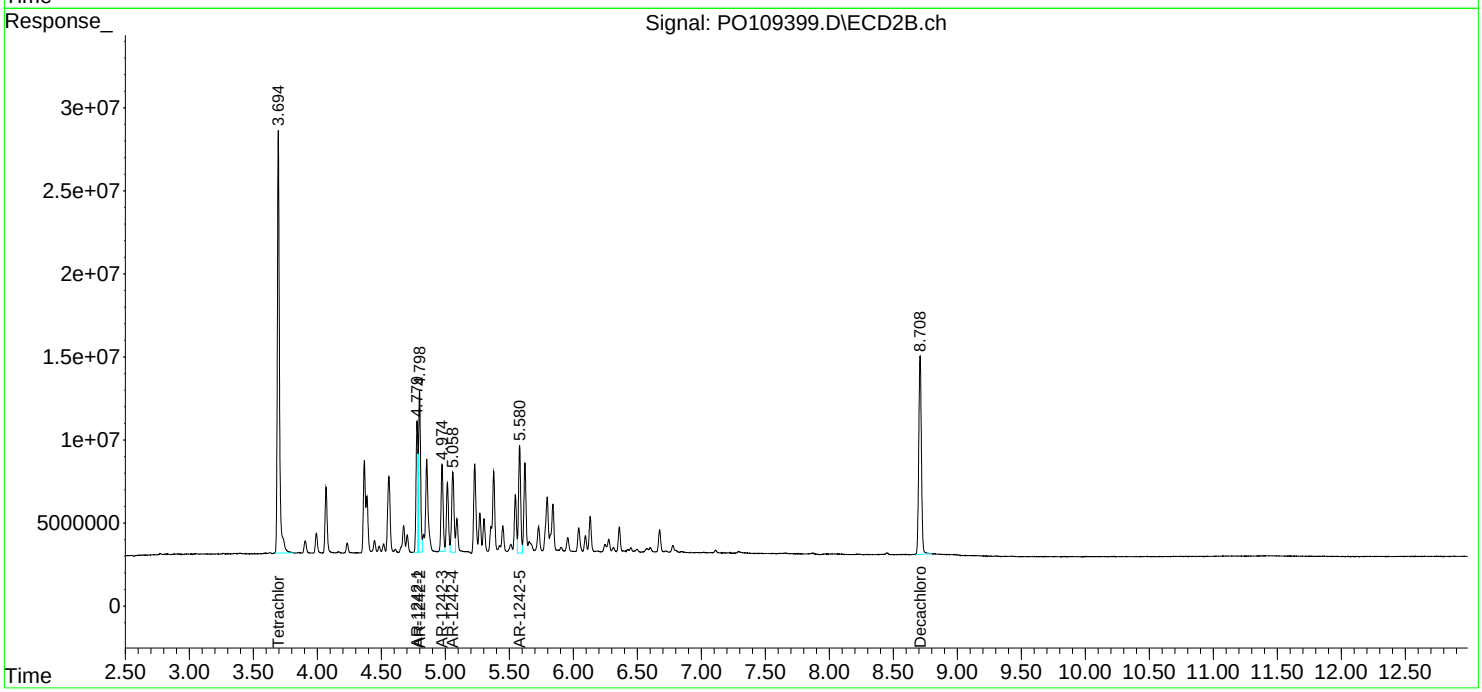
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 03:07
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

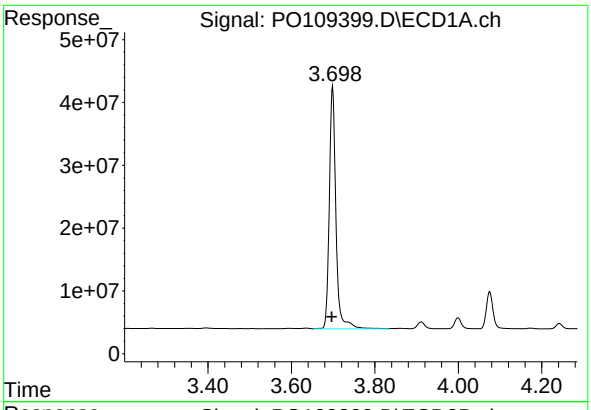
Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:42:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 03:40:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



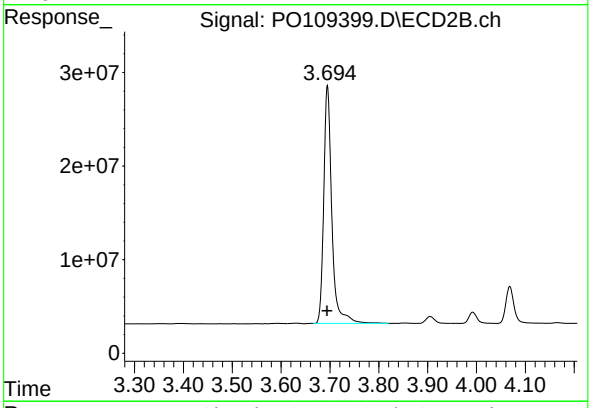




#1 Tetrachloro-m-xylene

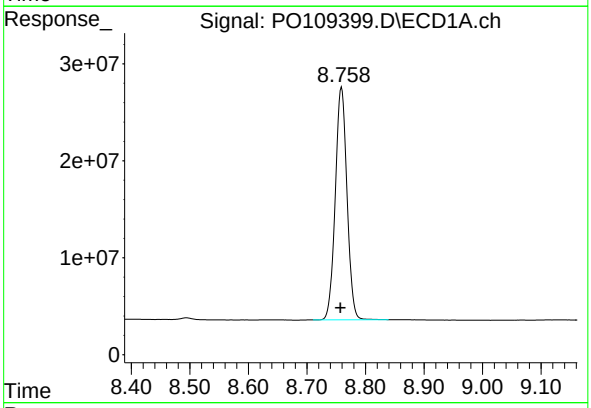
R.T.: 3.699 min
Delta R.T.: 0.002 min
Response: 426371082
Conc: 56.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1242



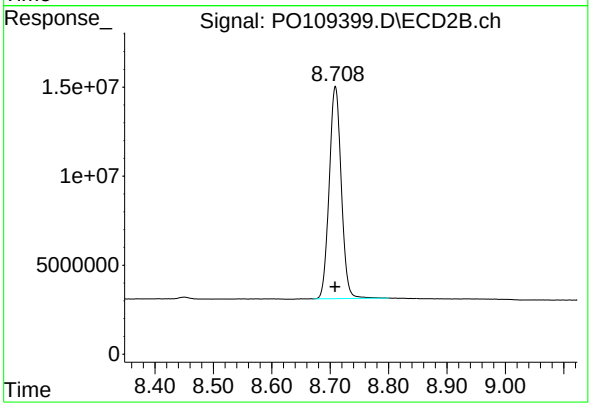
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 293346484
Conc: 56.77 ng/ml



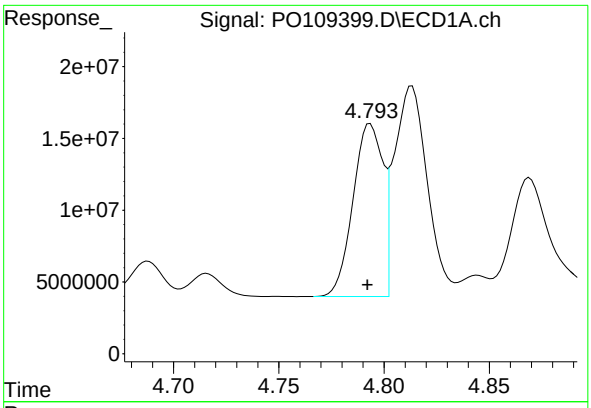
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.002 min
Response: 332510906
Conc: 54.68 ng/ml



#2 Decachlorobiphenyl

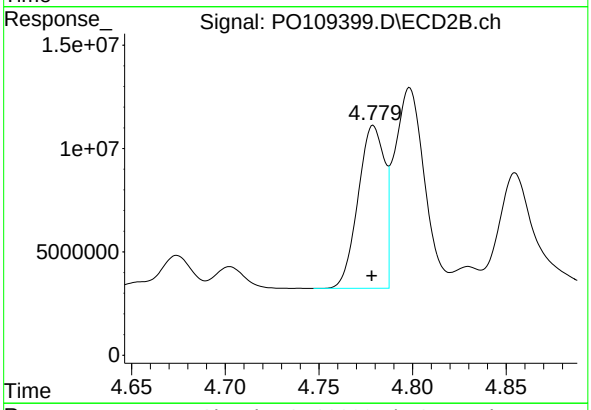
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 171045730
Conc: 57.38 ng/ml



#16 AR-1242-1

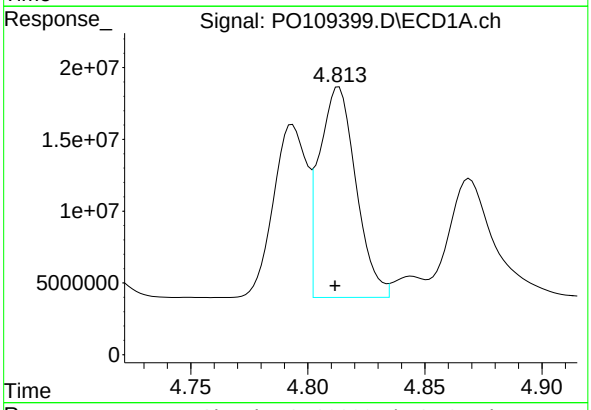
R.T.: 4.793 min
Delta R.T.: 0.001 min
Response: 118669389
Conc: 553.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1242



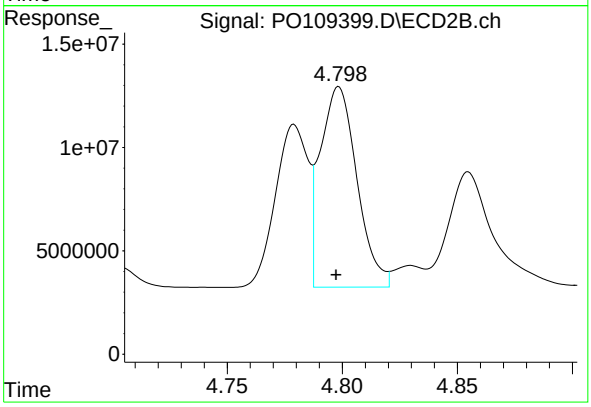
#16 AR-1242-1

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 77402640
Conc: 548.62 ng/ml



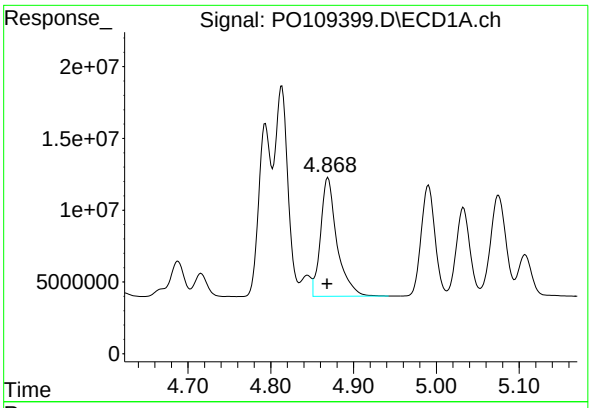
#17 AR-1242-2

R.T.: 4.813 min
Delta R.T.: 0.002 min
Response: 159792719
Conc: 557.57 ng/ml



#17 AR-1242-2

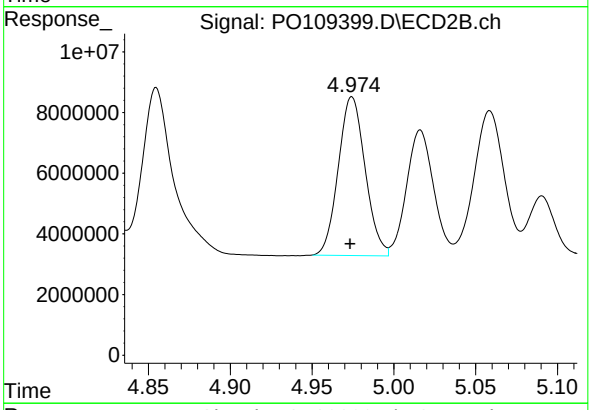
R.T.: 4.798 min
Delta R.T.: 0.001 min
Response: 107849760
Conc: 554.73 ng/ml



#18 AR-1242-3

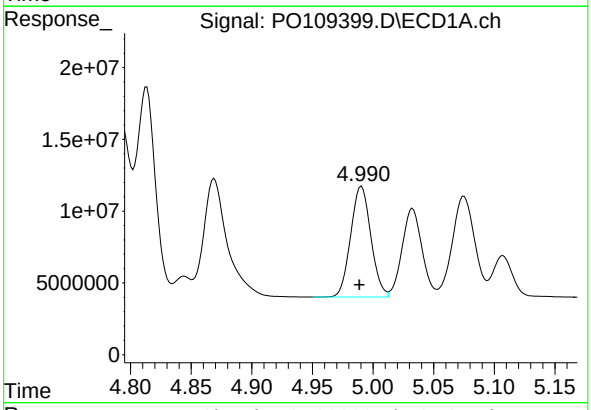
R.T.: 4.869 min
Delta R.T.: 0.001 min
Response: 113453247
Conc: 557.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1242



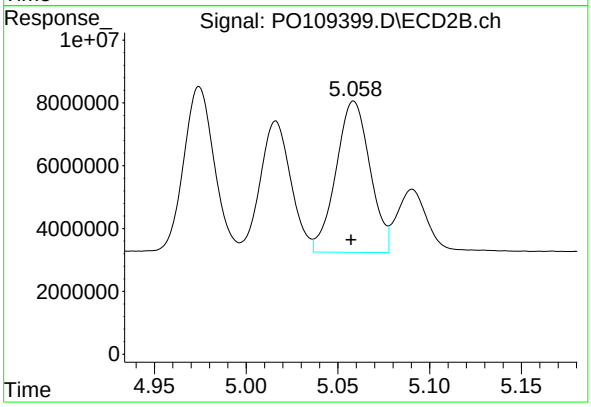
#18 AR-1242-3

R.T.: 4.974 min
Delta R.T.: 0.001 min
Response: 59797503
Conc: 555.98 ng/ml



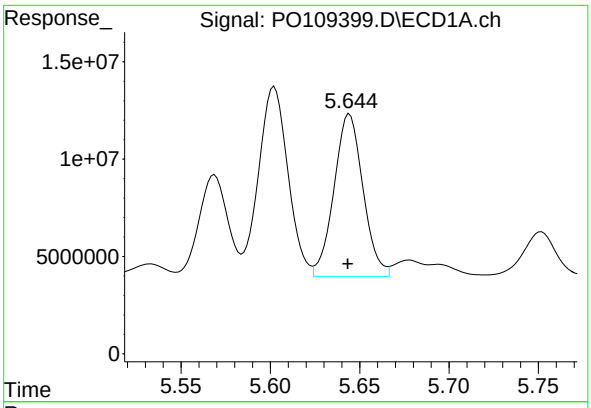
#19 AR-1242-4

R.T.: 4.990 min
Delta R.T.: 0.002 min
Response: 89356566
Conc: 556.71 ng/ml



#19 AR-1242-4

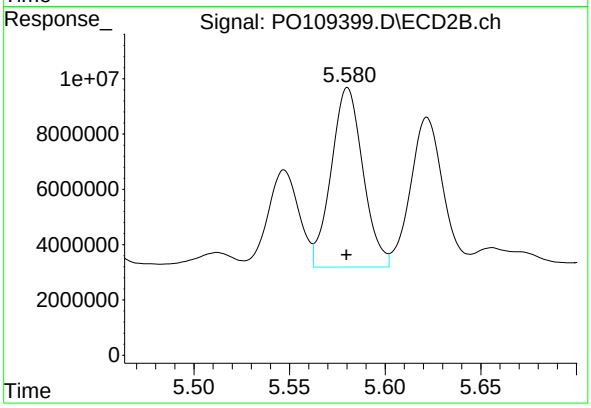
R.T.: 5.059 min
Delta R.T.: 0.001 min
Response: 62120105
Conc: 551.03 ng/ml



#20 AR-1242-5

R.T.: 5.644 min
Delta R.T.: 0.001 min
Response: 94283504
Conc: 558.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1242



#20 AR-1242-5

R.T.: 5.580 min
Delta R.T.: 0.000 min
Response: 75159343
Conc: 564.22 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 03:25
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:44:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 03:42:30 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...	3.698	3.695	417.2E6	286.5E6	56.423	56.016
2)	SA Decachlor...	8.758	8.709	331.2E6	171.9E6	55.288	56.590
	Target Compounds						
21)	L5 AR-1248-1	4.793	4.779	88323751	57687668	549.640	540.711
22)	L5 AR-1248-2	5.032	5.016	120.9E6	81516584	538.829	536.025
23)	L5 AR-1248-3	5.247	5.058	150.1E6	87163969	548.143	537.127
24)	L5 AR-1248-4	5.602	5.229	211.7E6	101.8E6	554.074	544.885
25)	L5 AR-1248-5	5.644	5.622	150.3E6	99316337	562.409	552.324

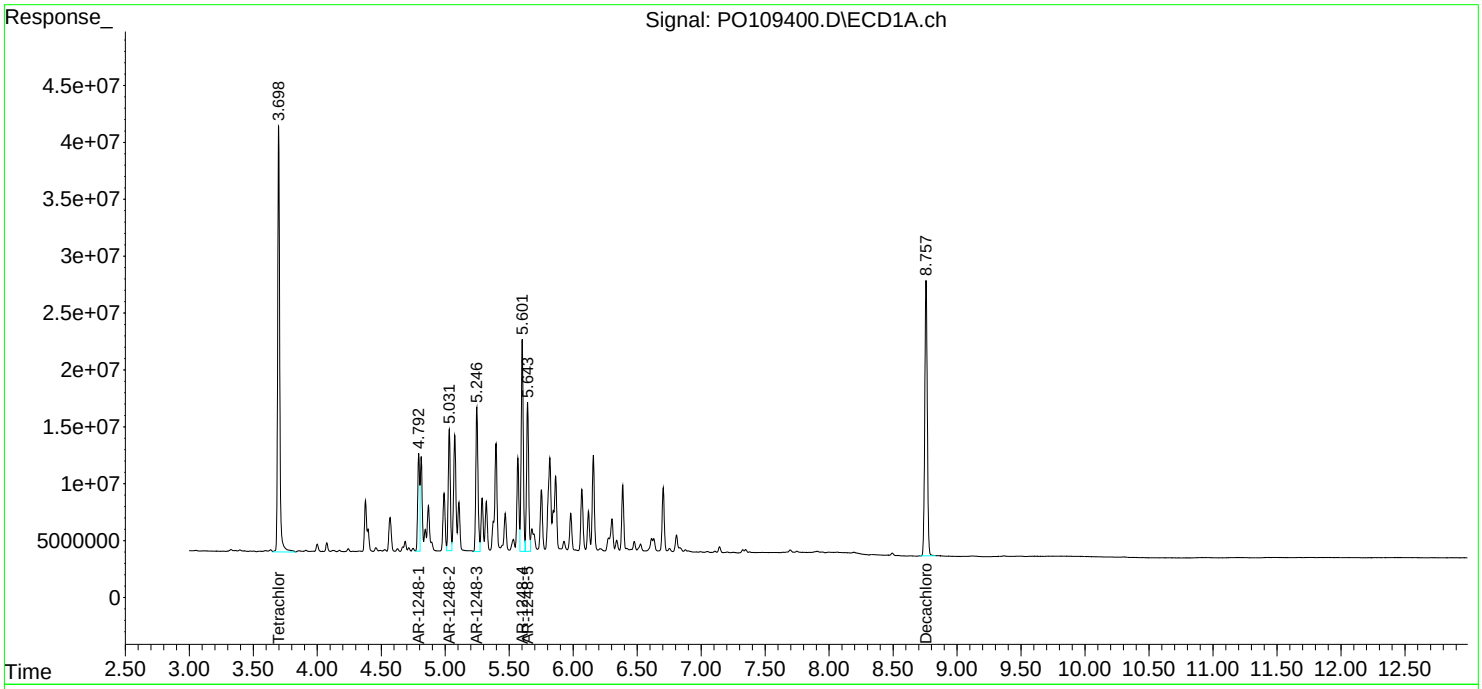
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

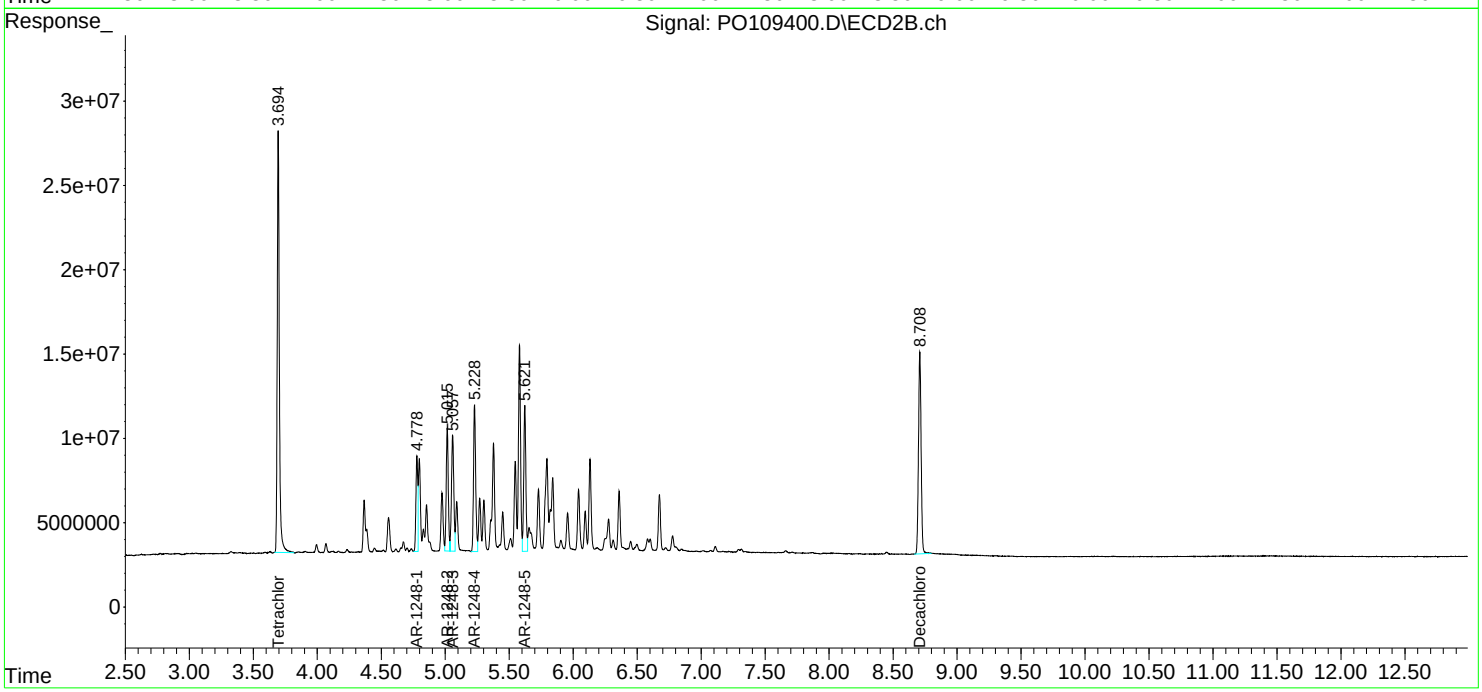
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 03:25
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

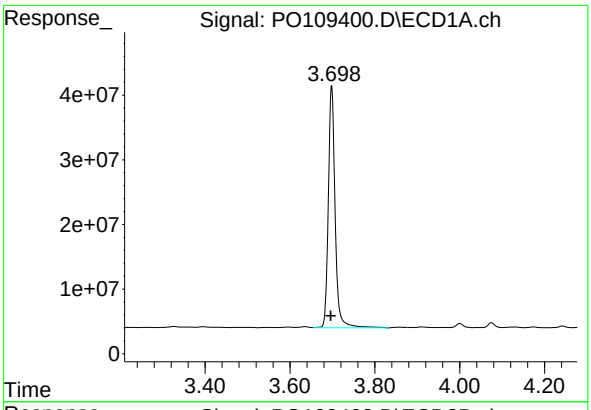
Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:44:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 03:42:30 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



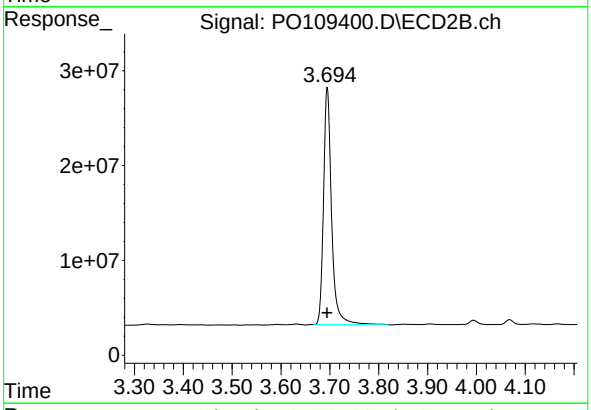




#1 Tetrachloro-m-xylene

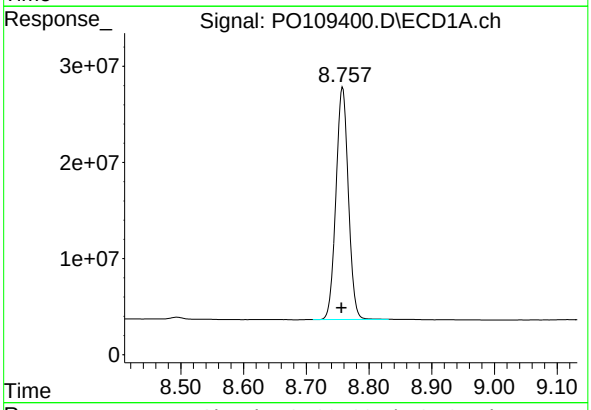
R.T.: 3.698 min
Delta R.T.: 0.002 min
Response: 417207506
Conc: 56.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1248



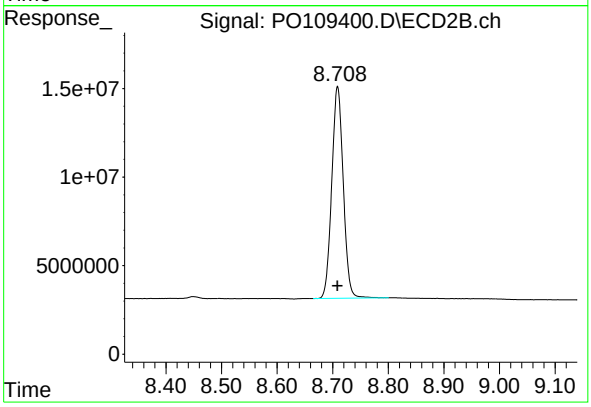
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 286471190
Conc: 56.02 ng/ml



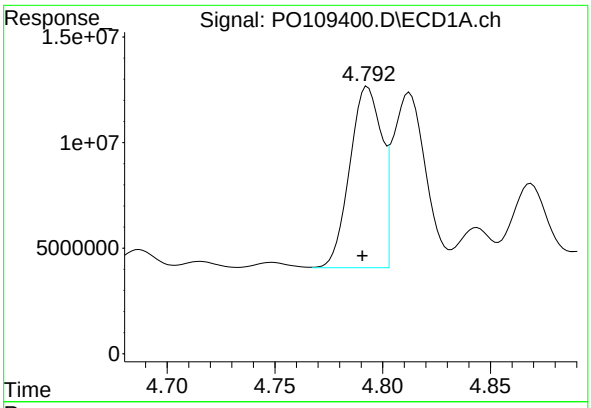
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.002 min
Response: 331244384
Conc: 55.29 ng/ml



#2 Decachlorobiphenyl

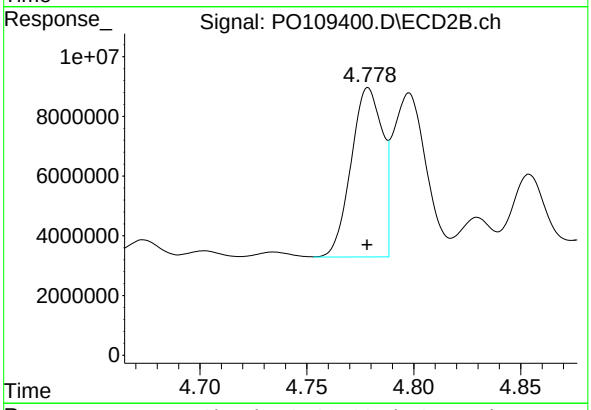
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 171934068
Conc: 56.59 ng/ml



#21 AR-1248-1

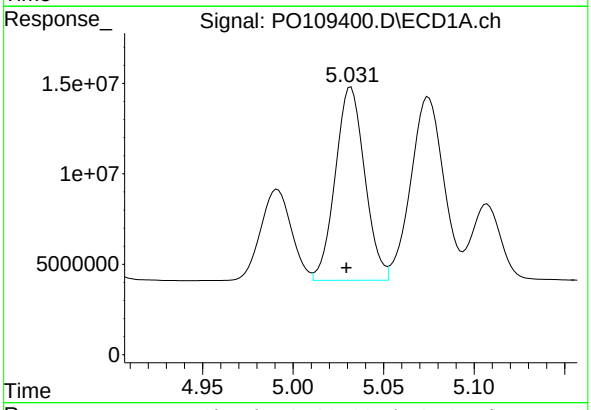
R.T.: 4.793 min
Delta R.T.: 0.003 min
Response: 88323751
Conc: 549.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1248



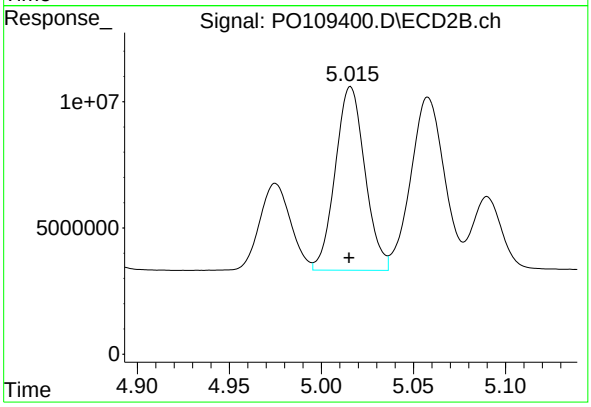
#21 AR-1248-1

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 57687668
Conc: 540.71 ng/ml



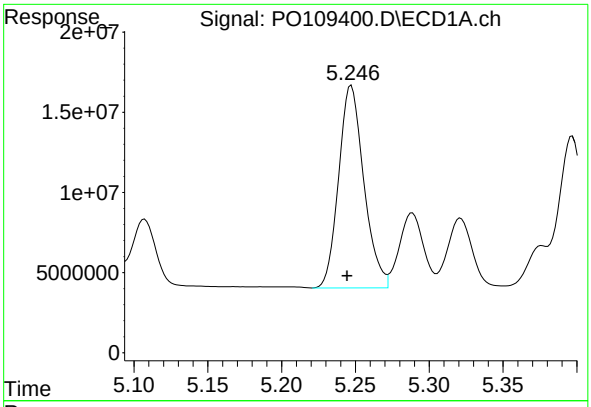
#22 AR-1248-2

R.T.: 5.032 min
Delta R.T.: 0.003 min
Response: 120882224
Conc: 538.83 ng/ml



#22 AR-1248-2

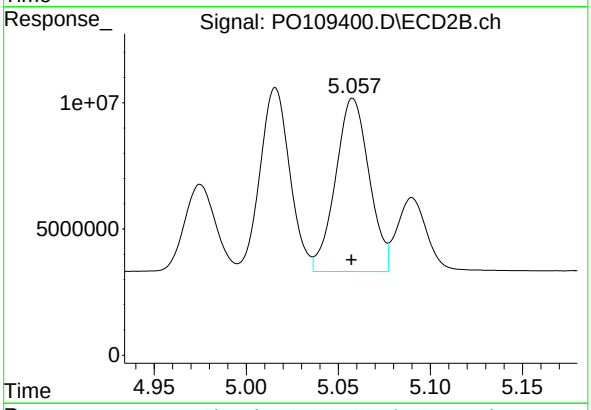
R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 81516584
Conc: 536.03 ng/ml



#23 AR-1248-3

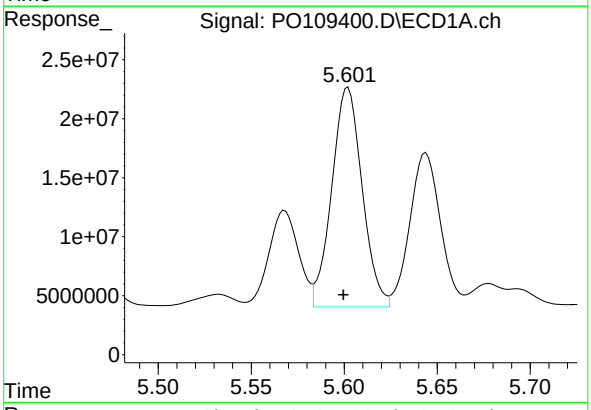
R.T.: 5.247 min
Delta R.T.: 0.003 min
Response: 150085759
Conc: 548.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1248



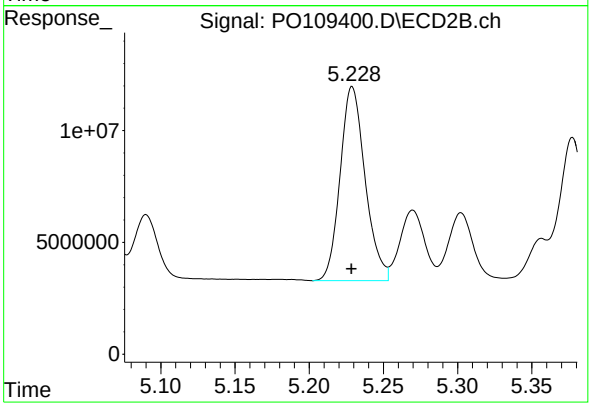
#23 AR-1248-3

R.T.: 5.058 min
Delta R.T.: 0.000 min
Response: 87163969
Conc: 537.13 ng/ml



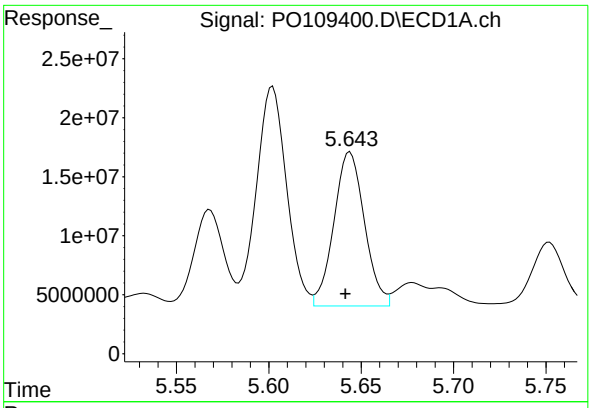
#24 AR-1248-4

R.T.: 5.602 min
Delta R.T.: 0.002 min
Response: 211736852
Conc: 554.07 ng/ml



#24 AR-1248-4

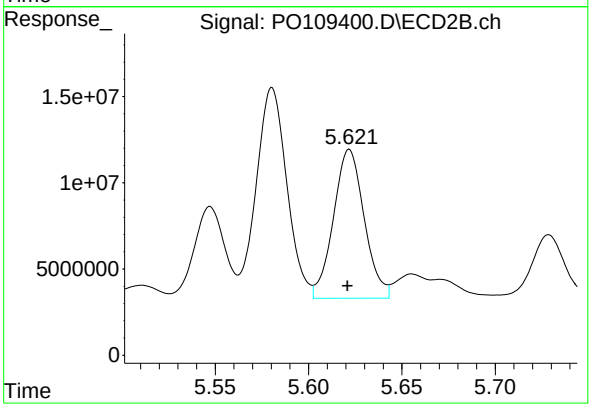
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 101839982
Conc: 544.88 ng/ml



#25 AR-1248-5

R.T.: 5.644 min
Delta R.T.: 0.003 min
Response: 150291138
Conc: 562.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1248



#25 AR-1248-5

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 99316337
Conc: 552.32 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 03:44
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 03:54:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	425.3E6	293.4E6	55.814	55.814
2)	SA Decachlor...	8.758	8.709	339.5E6	174.6E6	55.453	55.190
	Target Compounds						
26)	L6 AR-1254-1	5.602	5.581	227.5E6	151.0E6	542.737	540.538
27)	L6 AR-1254-2	5.751	5.728	199.4E6	133.3E6	534.181	533.187
28)	L6 AR-1254-3	6.157	6.132	322.3E6	210.5E6	539.184	544.656
29)	L6 AR-1254-4	6.387	6.359	195.7E6	121.6E6	578.562	583.285
30)	L6 AR-1254-5	6.808	6.777	280.6E6	175.6E6	548.076	543.573

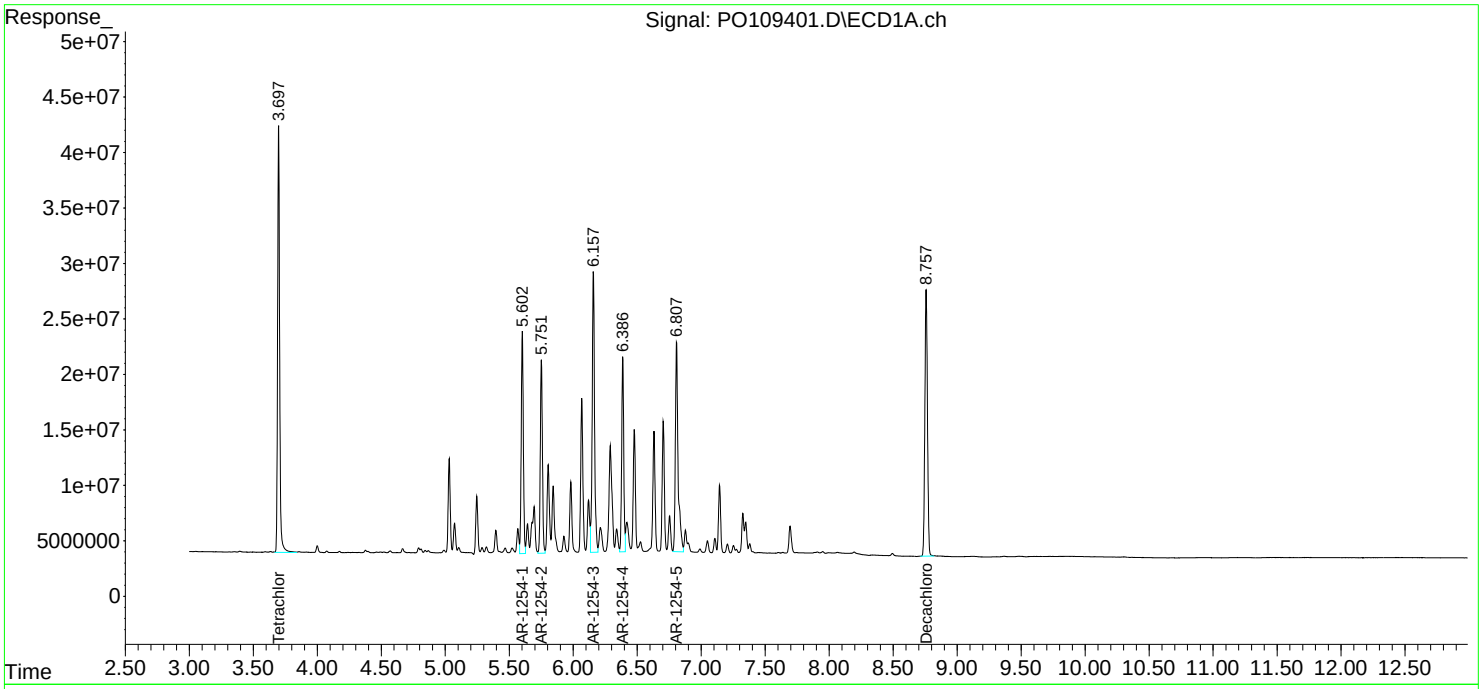
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

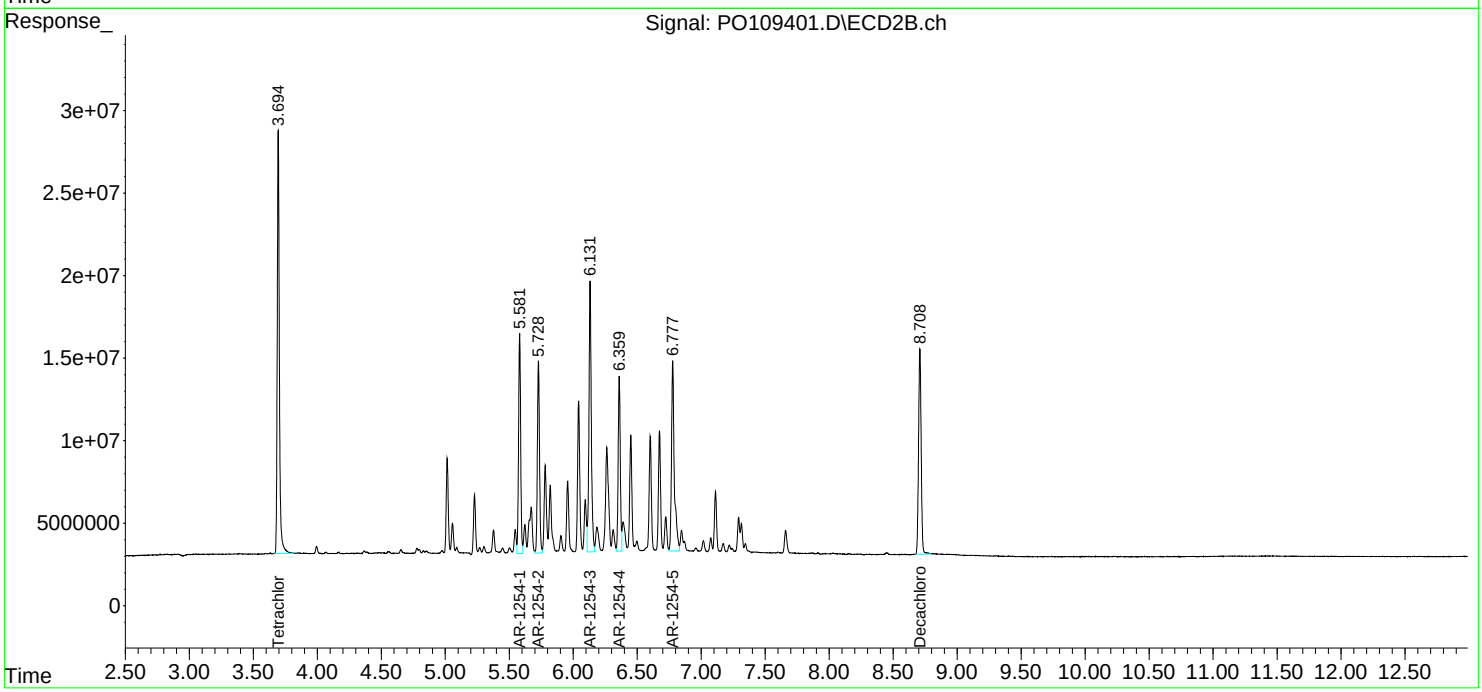
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 03:44
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

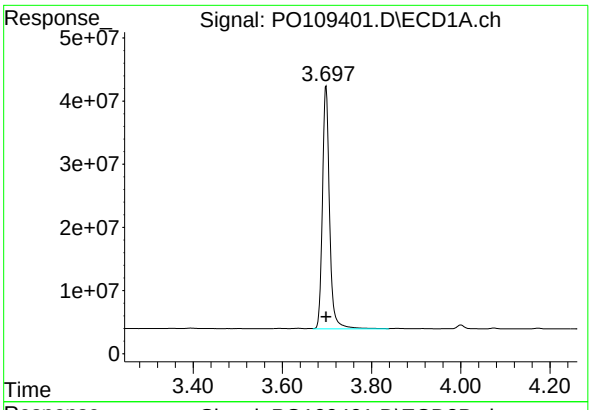
Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 03:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 03:54:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



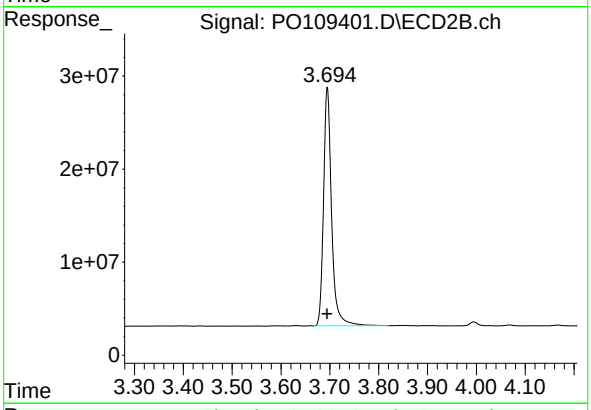




#1 Tetrachloro-m-xylene

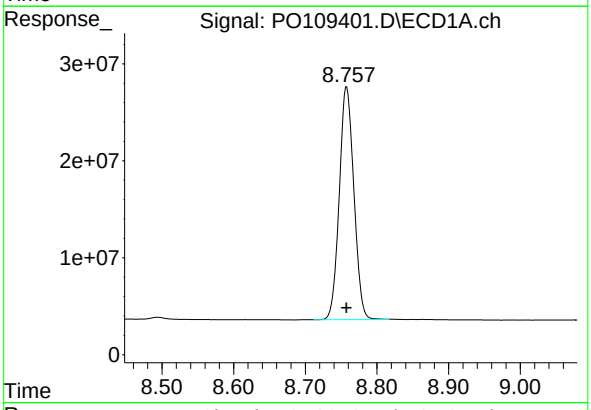
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 425259056
Conc: 55.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



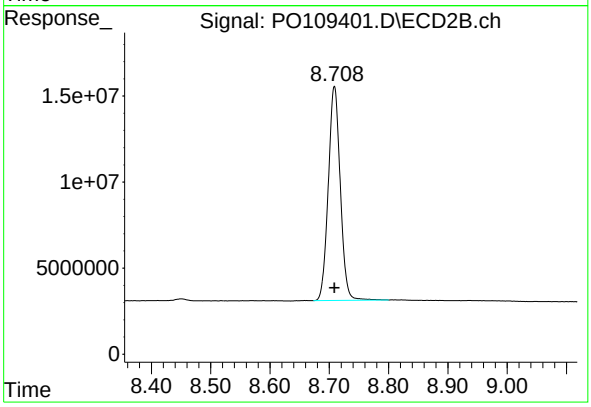
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 293352370
Conc: 55.81 ng/ml



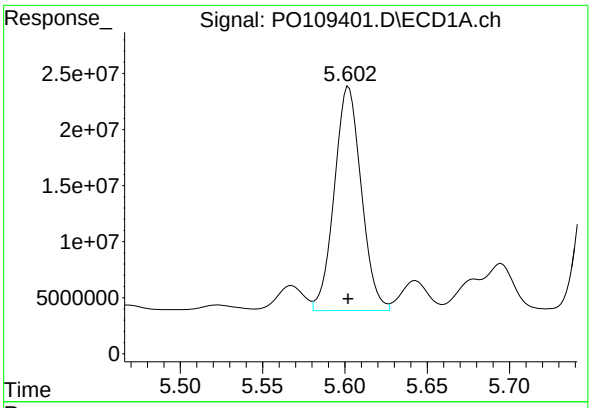
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 339494681
Conc: 55.45 ng/ml



#2 Decachlorobiphenyl

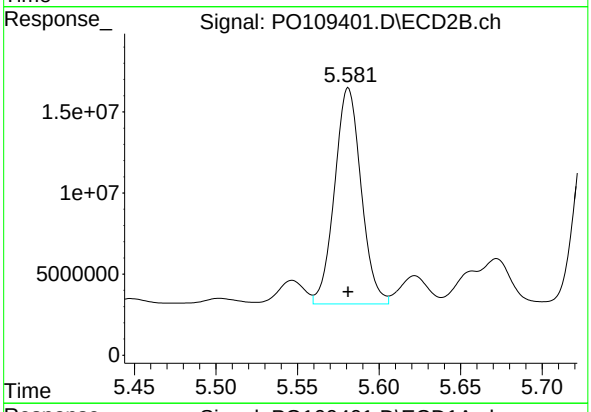
R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 174590415
Conc: 55.19 ng/ml



#26 AR-1254-1

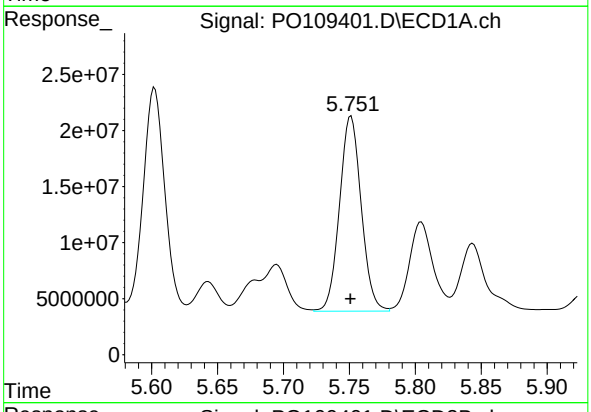
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 227533363
Conc: 542.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



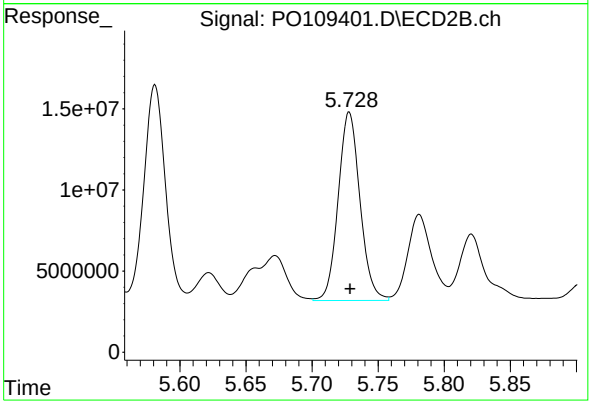
#26 AR-1254-1

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 150982214
Conc: 540.54 ng/ml



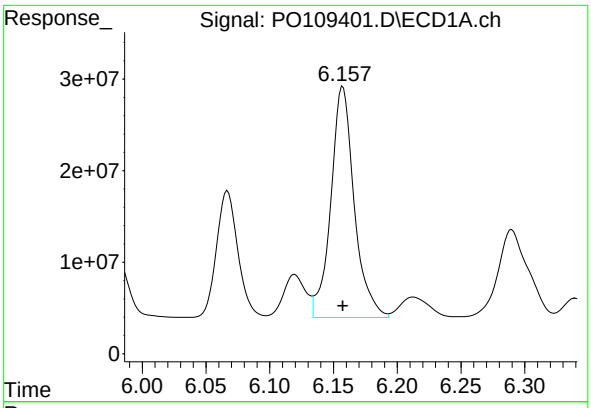
#27 AR-1254-2

R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 199444192
Conc: 534.18 ng/ml



#27 AR-1254-2

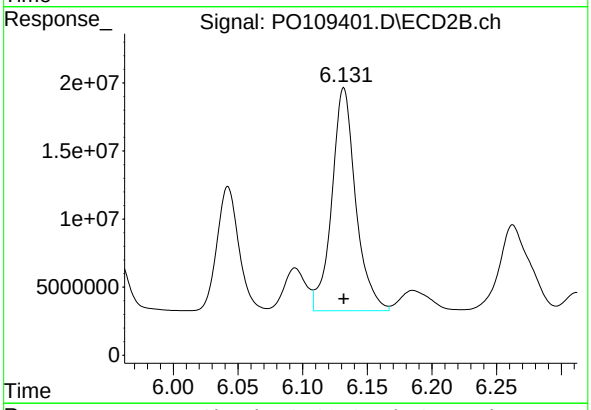
R.T.: 5.728 min
Delta R.T.: 0.000 min
Response: 133276800
Conc: 533.19 ng/ml



#28 AR-1254-3

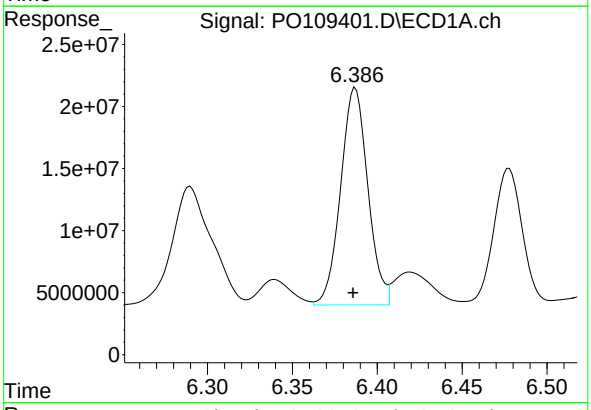
R.T.: 6.157 min
Delta R.T.: 0.000 min
Response: 322330755
Conc: 539.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



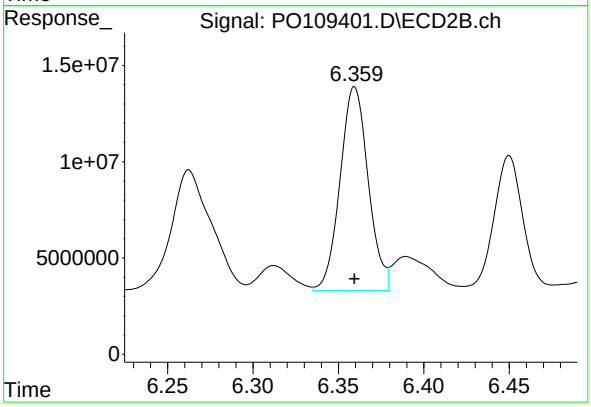
#28 AR-1254-3

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 210481981
Conc: 544.66 ng/ml



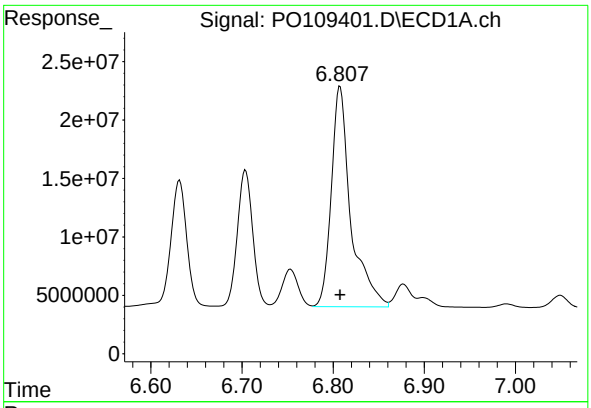
#29 AR-1254-4

R.T.: 6.387 min
Delta R.T.: 0.001 min
Response: 195677597
Conc: 578.56 ng/ml



#29 AR-1254-4

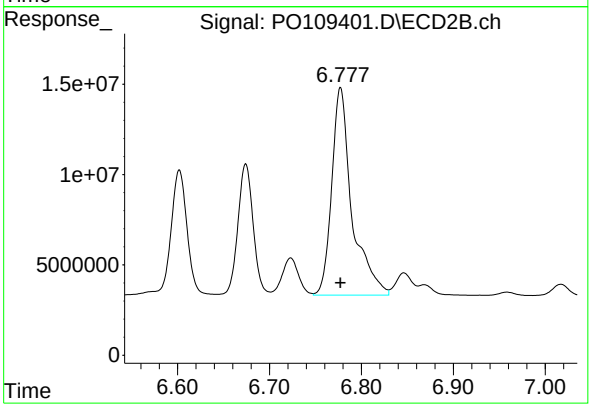
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 121570227
Conc: 583.28 ng/ml



#30 AR-1254-5

R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 280590422
Conc: 548.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



#30 AR-1254-5

R.T.: 6.777 min
Delta R.T.: 0.000 min
Response: 175621261
Conc: 543.57 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 04:02
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 04:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 04:08:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.694	417.5E6	289.8E6	53.940	54.325
2)	SA Decachlor...	8.759	8.709	565.3E6	286.9E6	54.135	53.078
	Target Compounds						
41)	L9 AR-1268-1	7.634	7.600	567.2E6	319.1E6	534.510m	531.283m
42)	L9 AR-1268-2	7.699	7.665	523.9E6	293.4E6	537.531	536.527
43)	L9 AR-1268-3	7.909	7.873	433.8E6	233.3E6	539.660	531.199
44)	L9 AR-1268-4	8.195	8.157	183.3E6	92812154	535.520	535.970
45)	L9 AR-1268-5	8.495	8.451	1244.9E6	621.8E6	560.880	537.453

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 04:02
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

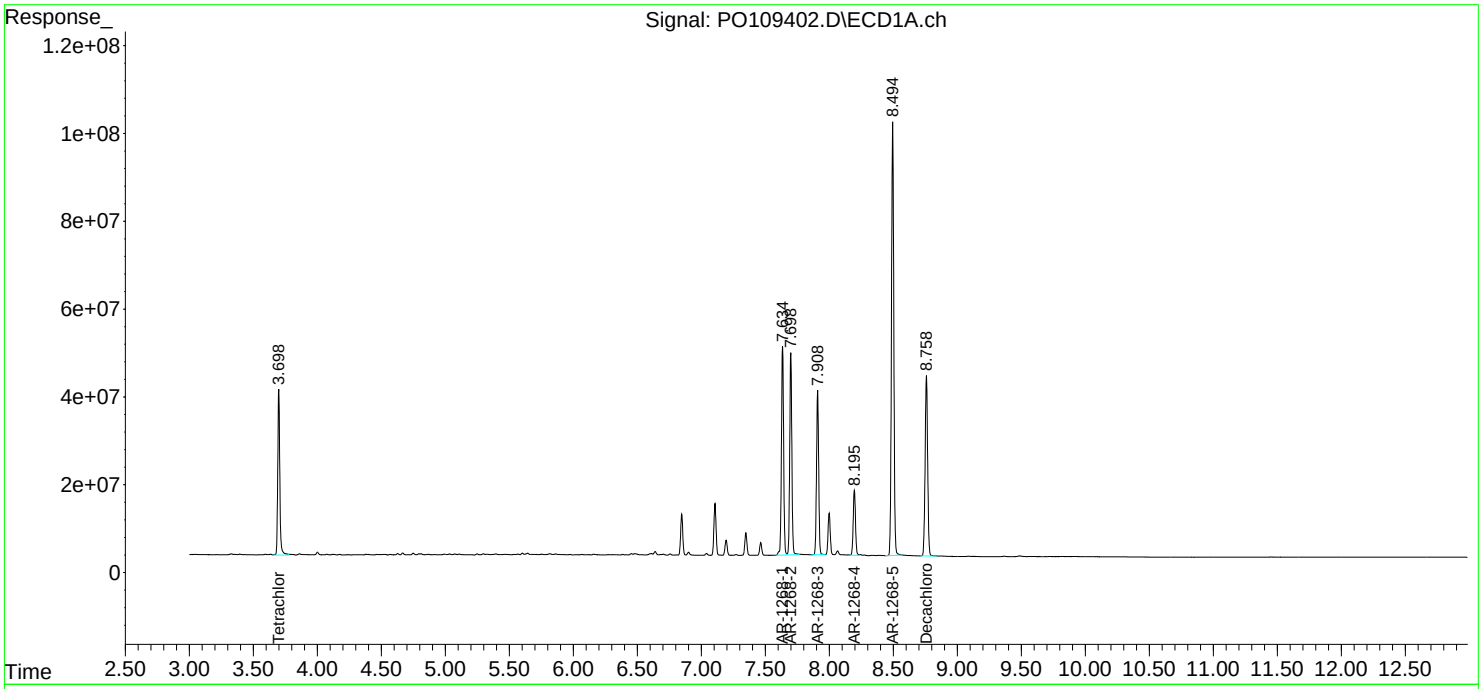
Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1268

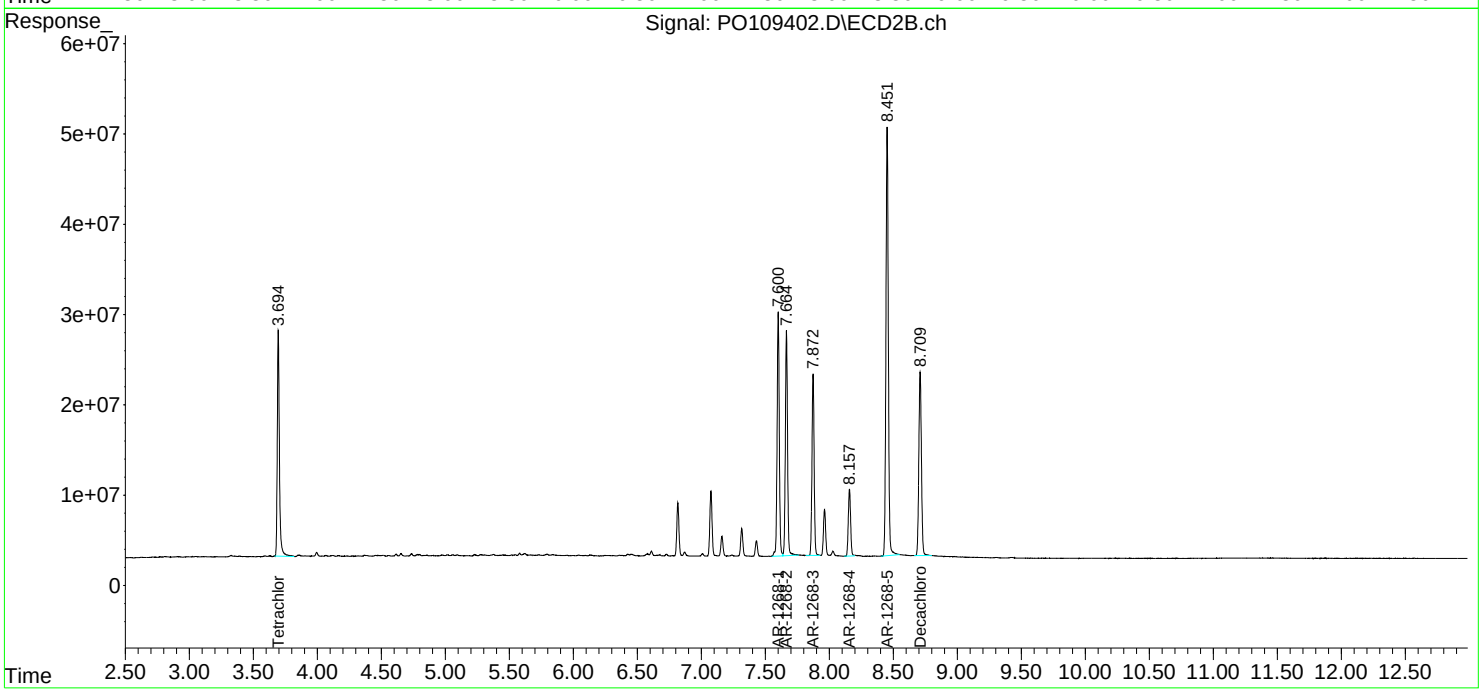
Manual Integrations APPROVED

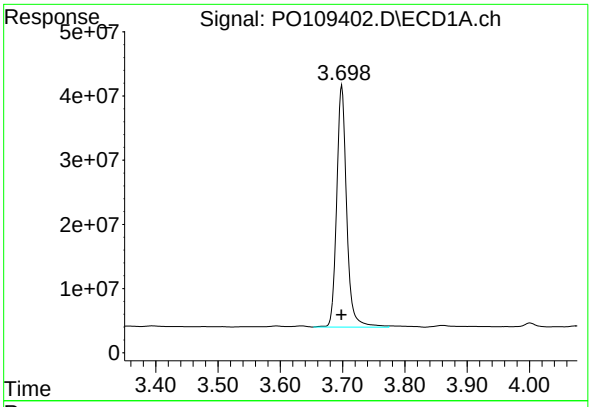
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 04:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 04:08:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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







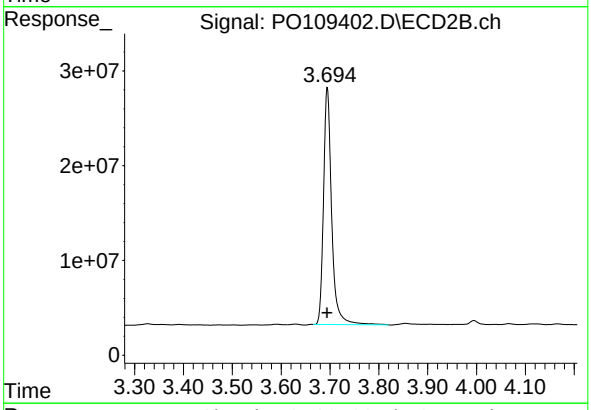
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 417538121
Conc: 53.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1268

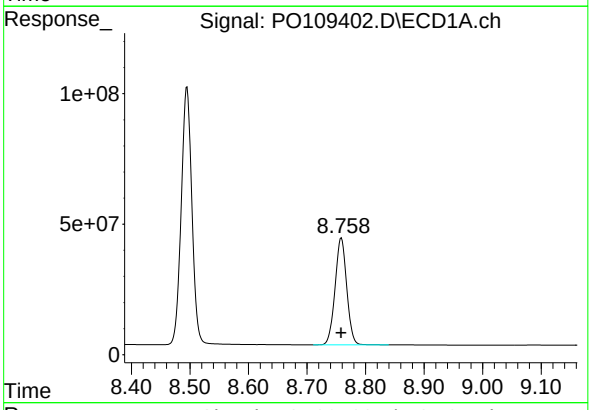
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



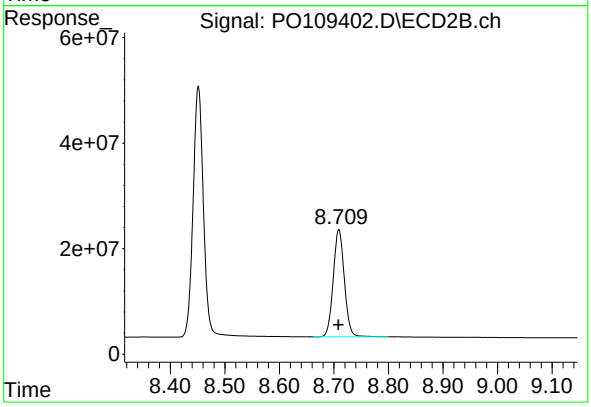
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 289792198
Conc: 54.32 ng/ml



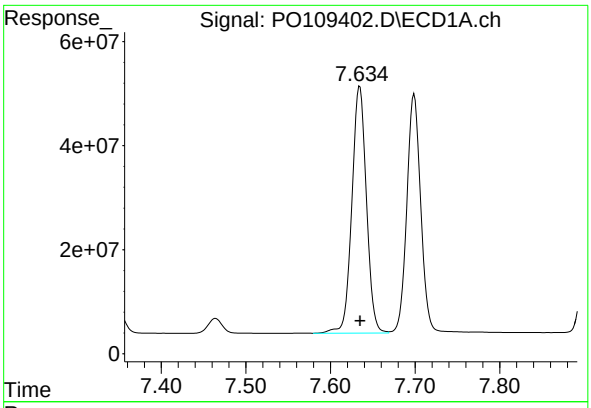
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 565306558
Conc: 54.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: 0.001 min
Response: 286859154
Conc: 53.08 ng/ml



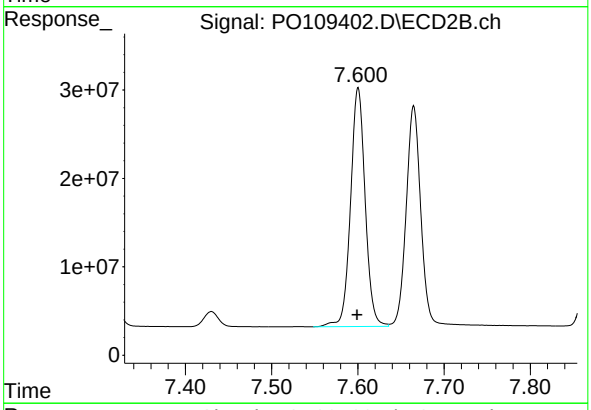
#41 AR-1268-1

R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 567247561
Conc: 534.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1268

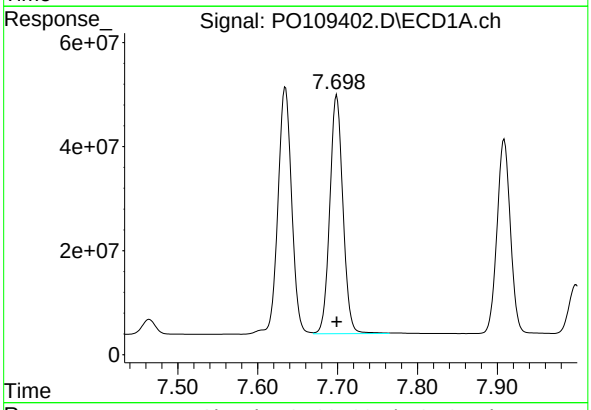
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



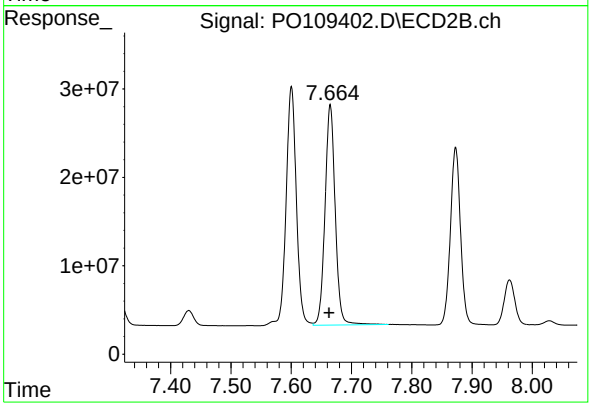
#41 AR-1268-1

R.T.: 7.600 min
Delta R.T.: 0.001 min
Response: 319057694
Conc: 531.28 ng/ml m



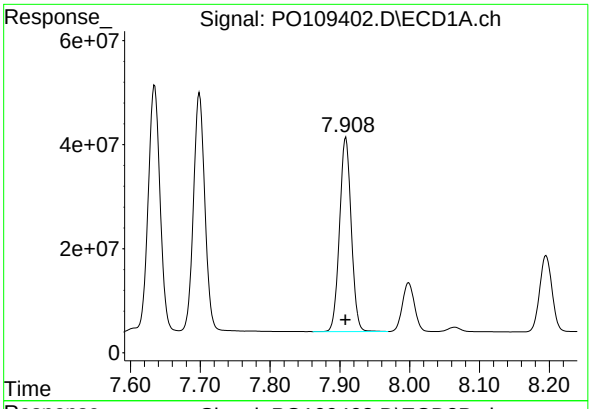
#42 AR-1268-2

R.T.: 7.699 min
Delta R.T.: 0.000 min
Response: 523919944
Conc: 537.53 ng/ml



#42 AR-1268-2

R.T.: 7.665 min
Delta R.T.: 0.002 min
Response: 293350807
Conc: 536.53 ng/ml



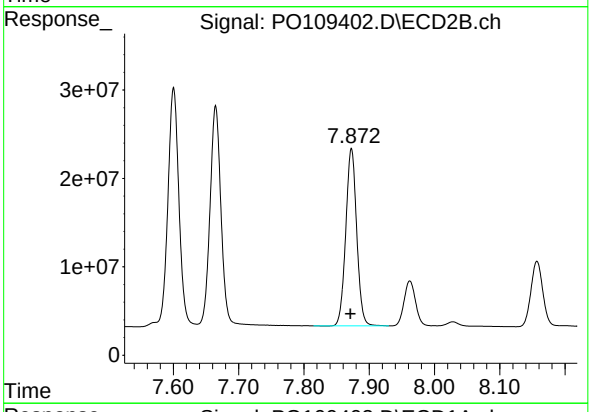
#43 AR-1268-3

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 433780239
Conc: 539.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1268

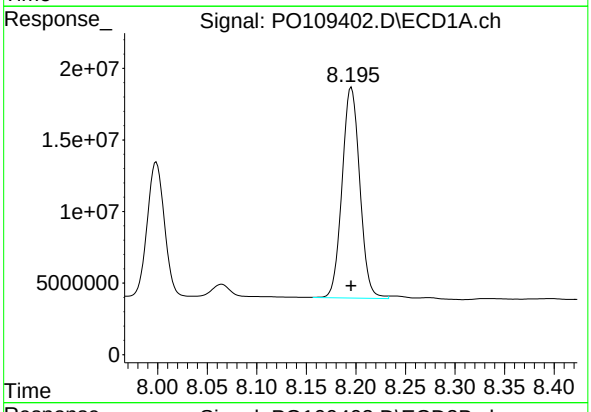
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



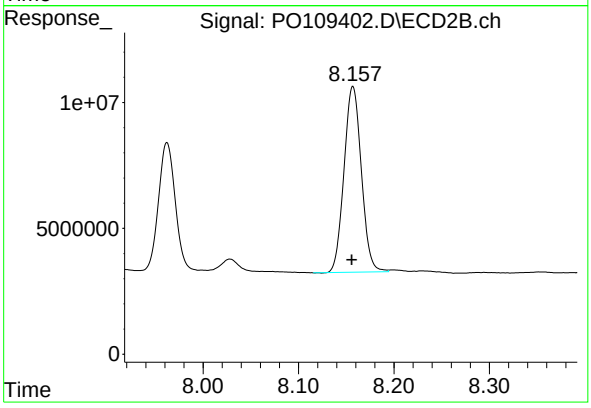
#43 AR-1268-3

R.T.: 7.873 min
Delta R.T.: 0.002 min
Response: 233323594
Conc: 531.20 ng/ml



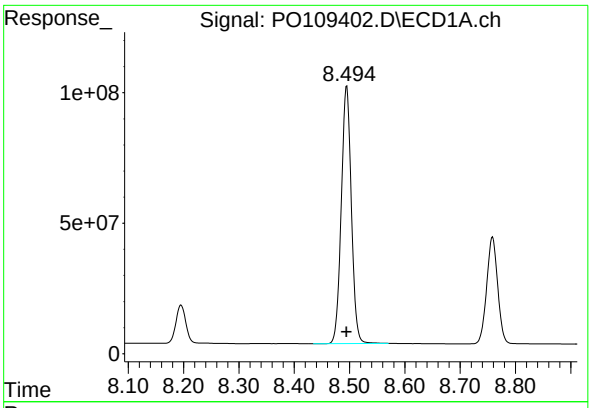
#44 AR-1268-4

R.T.: 8.195 min
Delta R.T.: 0.000 min
Response: 183349358
Conc: 535.52 ng/ml



#44 AR-1268-4

R.T.: 8.157 min
Delta R.T.: 0.001 min
Response: 92812154
Conc: 535.97 ng/ml



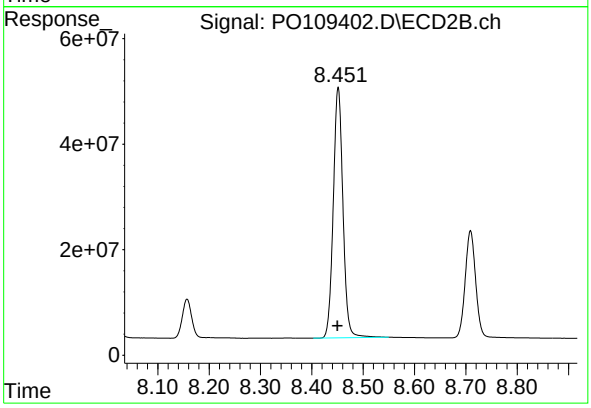
#45 AR-1268-5

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 1244911115
Conc: 560.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



#45 AR-1268-5

R.T.: 8.451 min
Delta R.T.: 0.002 min
Response: 621840793
Conc: 537.45 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 04:57
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 00:25:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.698	3.695	418.2E6	290.2E6	55.175	54.338
2)	SA Decachlor...	8.757	8.709	333.0E6	173.0E6	51.379	55.512
	Target Compounds						
26)	L6 AR-1254-1	5.602	5.581	239.4E6	159.7E6	571.127	571.761
27)	L6 AR-1254-2	5.751	5.729	211.6E6	141.8E6	566.814	567.419
28)	L6 AR-1254-3	6.157	6.132	324.0E6	212.8E6	542.049	550.533
29)	L6 AR-1254-4	6.386	6.360	189.4E6	119.5E6	559.878m	573.146m
30)	L6 AR-1254-5	6.808	6.778	275.6E6	173.8E6	538.336	538.085

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

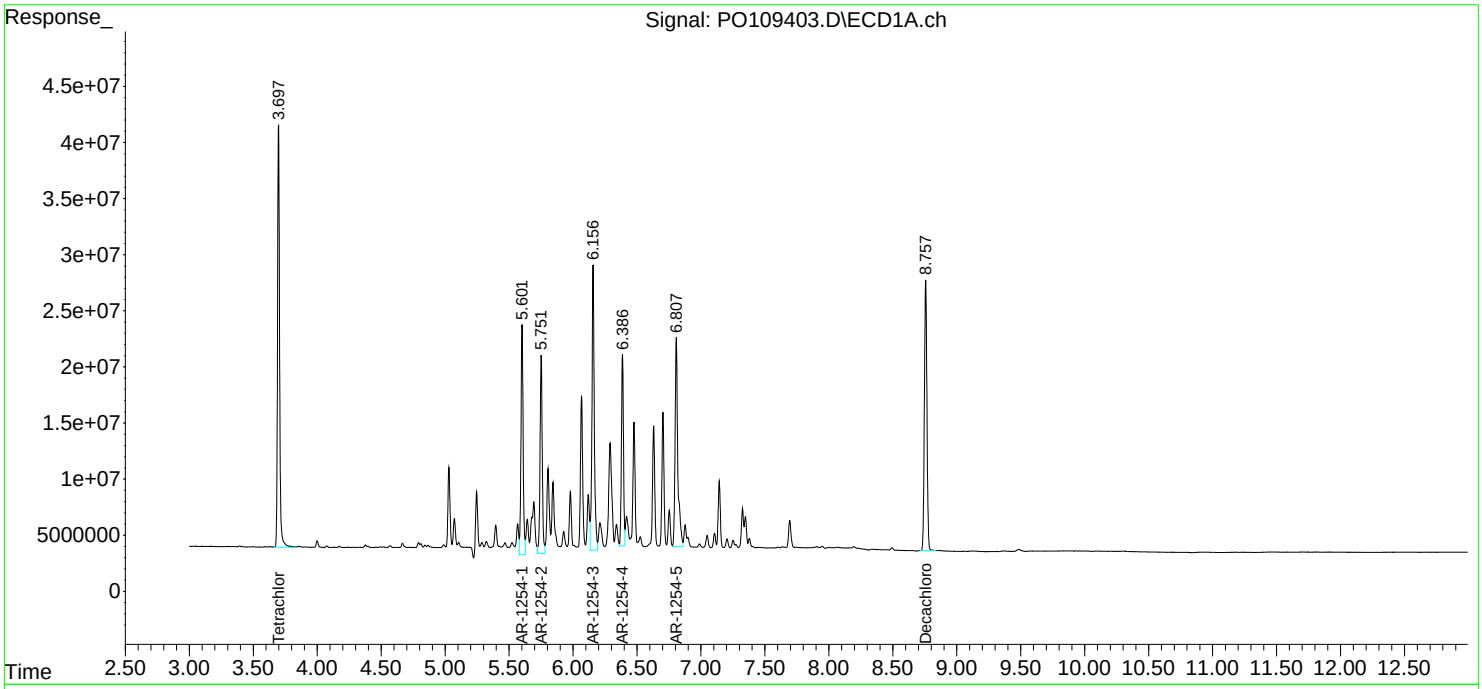
ICAL Form

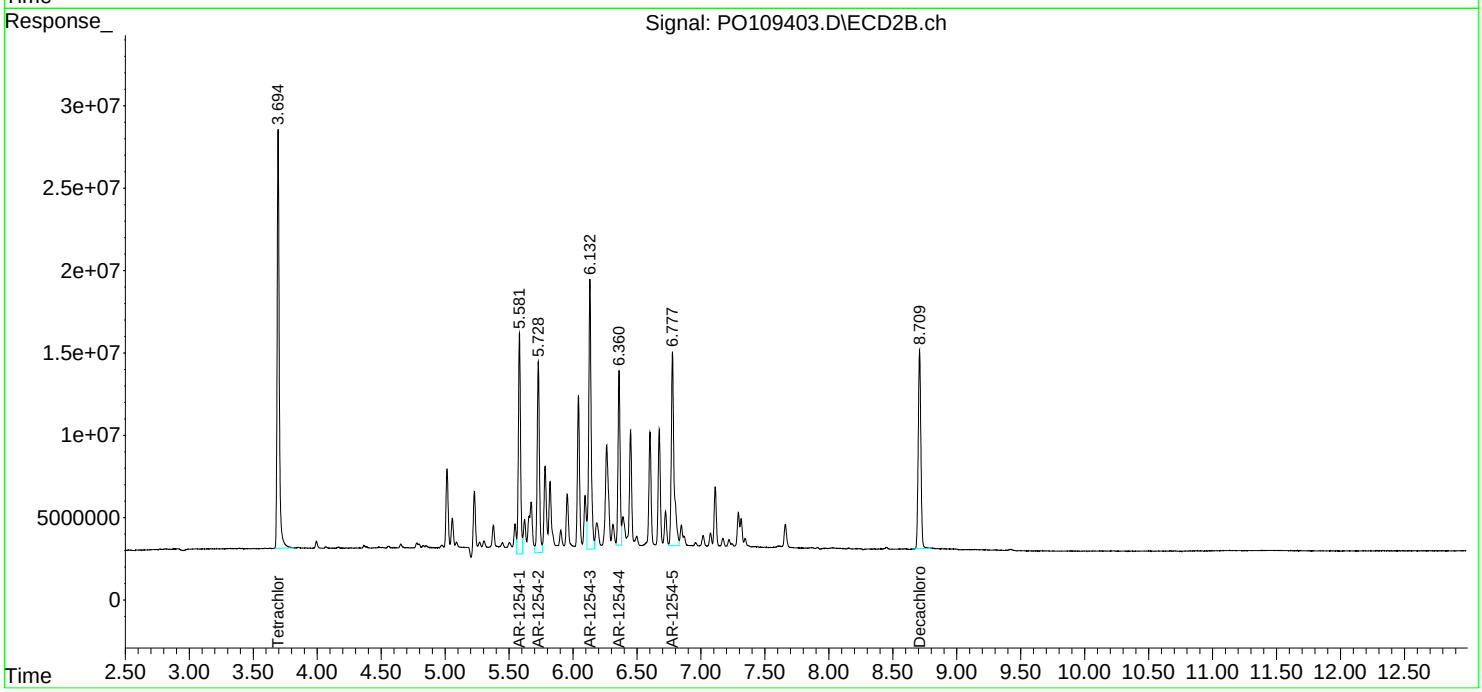
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 04:57
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

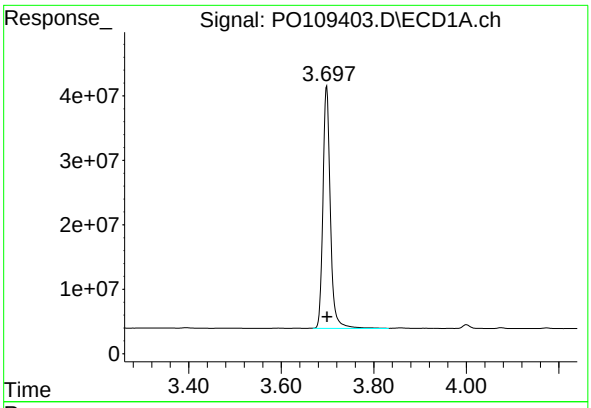
Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 00:25:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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



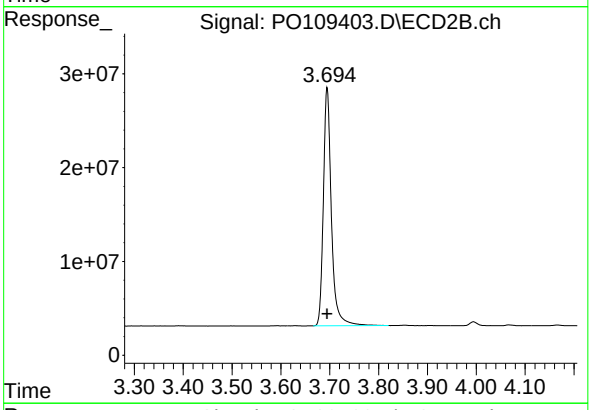




#1 Tetrachloro-m-xylene

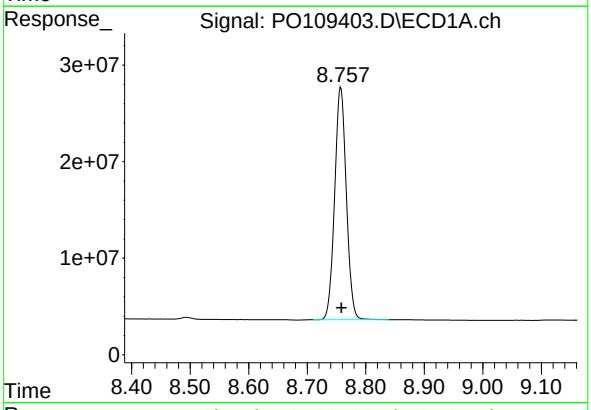
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 418165269
Conc: 55.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



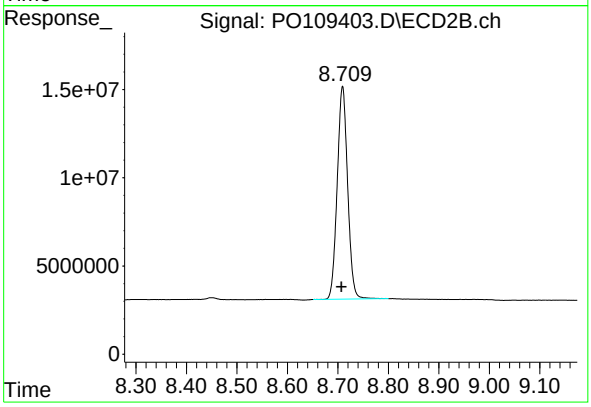
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 290212401
Conc: 54.34 ng/ml



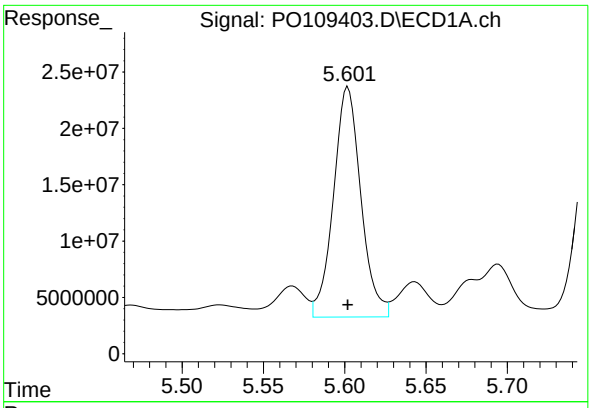
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 332999589
Conc: 51.38 ng/ml



#2 Decachlorobiphenyl

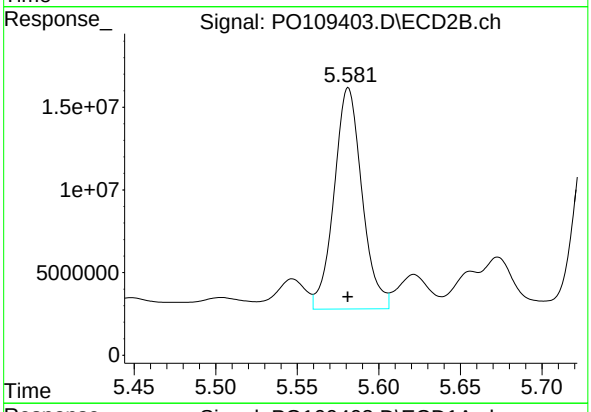
R.T.: 8.709 min
Delta R.T.: 0.002 min
Response: 172993183
Conc: 55.51 ng/ml



#26 AR-1254-1

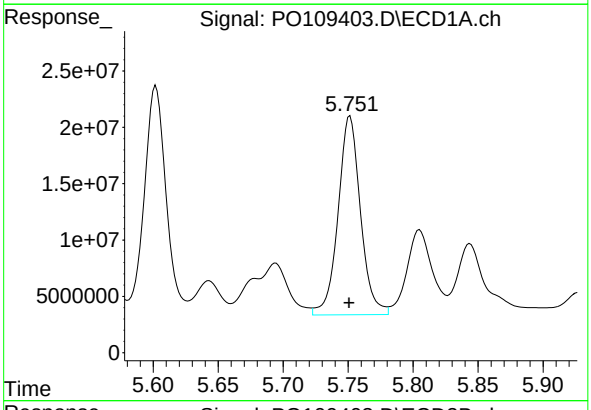
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 239435240
Conc: 571.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



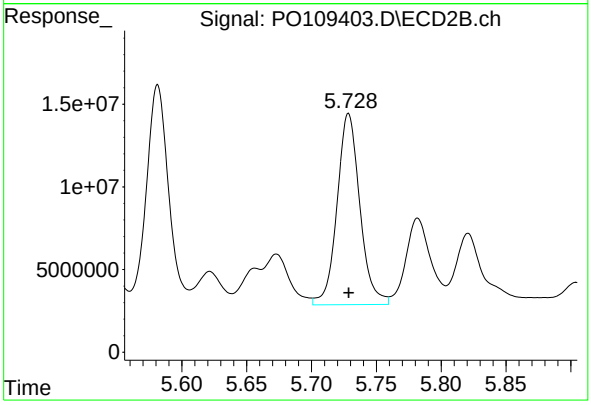
#26 AR-1254-1

R.T.: 5.581 min
Delta R.T.: 0.000 min
Response: 159703344
Conc: 571.76 ng/ml



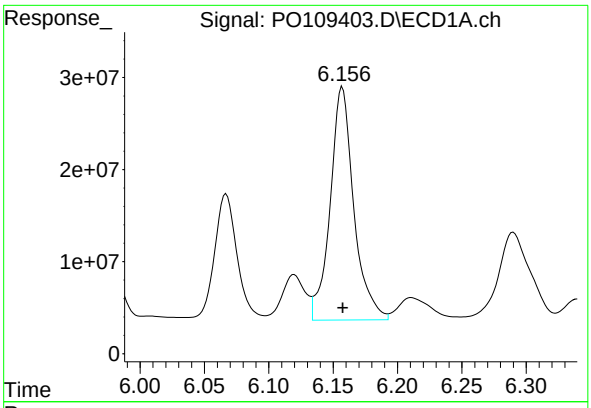
#27 AR-1254-2

R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 211628185
Conc: 566.81 ng/ml



#27 AR-1254-2

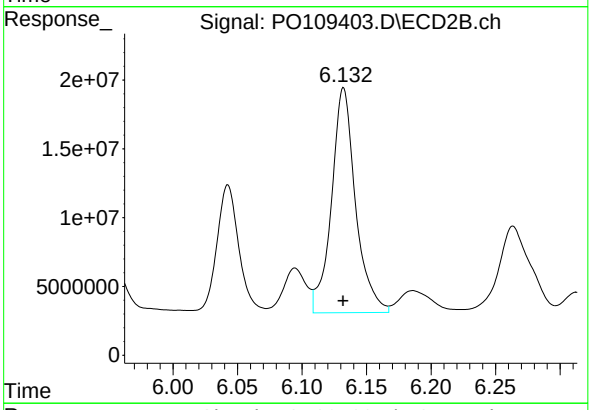
R.T.: 5.729 min
Delta R.T.: 0.000 min
Response: 141833542
Conc: 567.42 ng/ml



#28 AR-1254-3

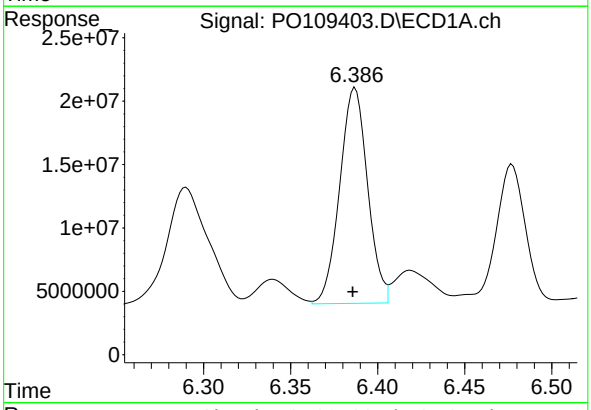
R.T.: 6.157 min
Delta R.T.: 0.000 min
Response: 324043241
Conc: 542.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



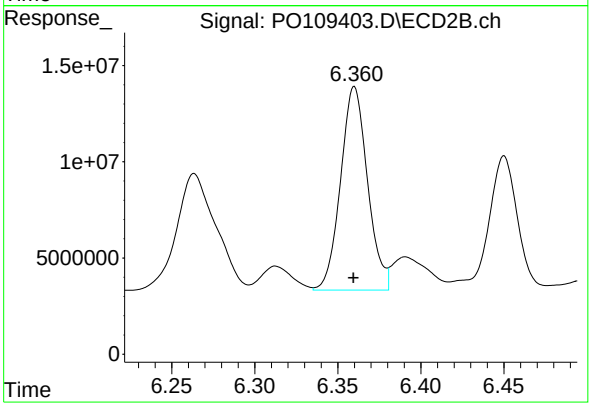
#28 AR-1254-3

R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 212753271
Conc: 550.53 ng/ml



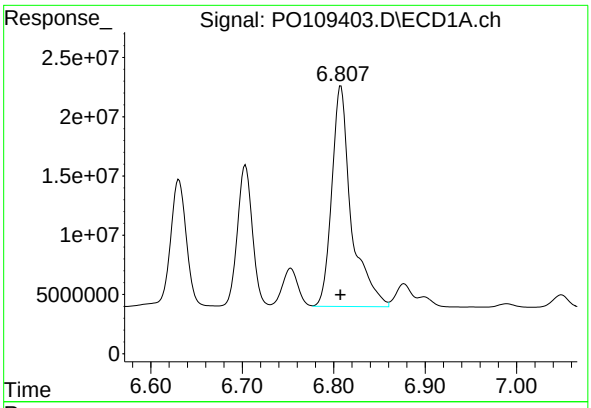
#29 AR-1254-4

R.T.: 6.386 min
Delta R.T.: 0.000 min
Response: 189358463
Conc: 559.88 ng/ml m



#29 AR-1254-4

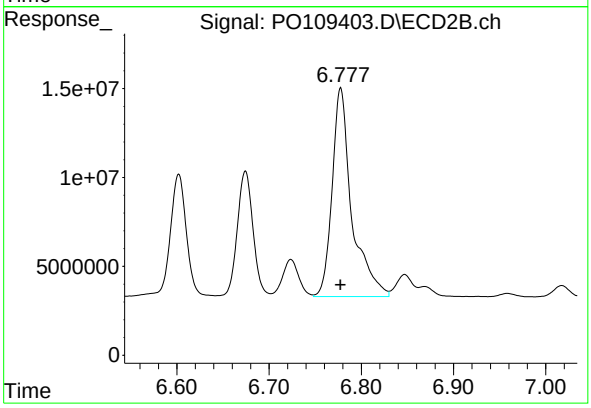
R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 119456991
Conc: 573.15 ng/ml m



#30 AR-1254-5

R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 275604143
Conc: 538.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325AR1254



#30 AR-1254-5

R.T.: 6.778 min
Delta R.T.: 0.000 min
Response: 173848098
Conc: 538.08 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:00
Operator : YP/AJ
Sample : PO020325ICV500
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO020325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 00:26:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.698	3.693	417.0E6	287.9E6	55.019	53.912
2)	SA Decachlor...	8.758	8.707	334.9E6	171.6E6	51.668	55.073
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.777	139.8E6	87423034	547.655	520.676
4)	L1 AR-1016-2	4.812	4.796	194.7E6	124.9E6	568.379	538.331
5)	L1 AR-1016-3	4.868	4.972	134.8E6	67079579	555.812	524.022
6)	L1 AR-1016-4	4.989	5.014	106.0E6	56076765	551.536	510.759
7)	L1 AR-1016-5	5.247	5.227	117.9E6	76988185	574.000	548.824
31)	L7 AR-1260-1	6.289	6.260	208.2E6	129.7E6	557.623	525.005
32)	L7 AR-1260-2	6.478	6.448	256.4E6	154.8E6	559.686	530.060
33)	L7 AR-1260-3	6.846	6.601	210.4E6	142.4E6	549.236	500.820
34)	L7 AR-1260-4	7.107	7.073	192.0E6	114.3E6	548.362	518.826
35)	L7 AR-1260-5	7.349	7.314	454.2E6	257.3E6	556.860	524.409

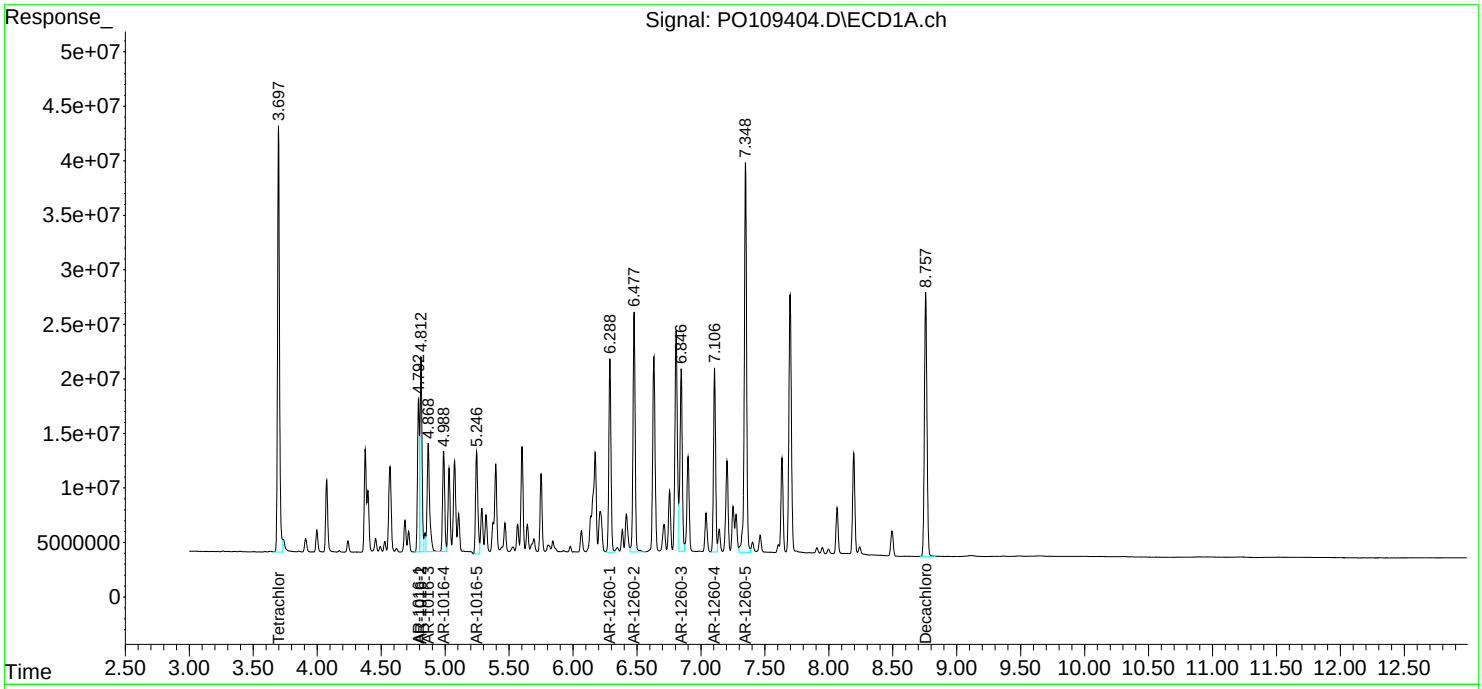
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

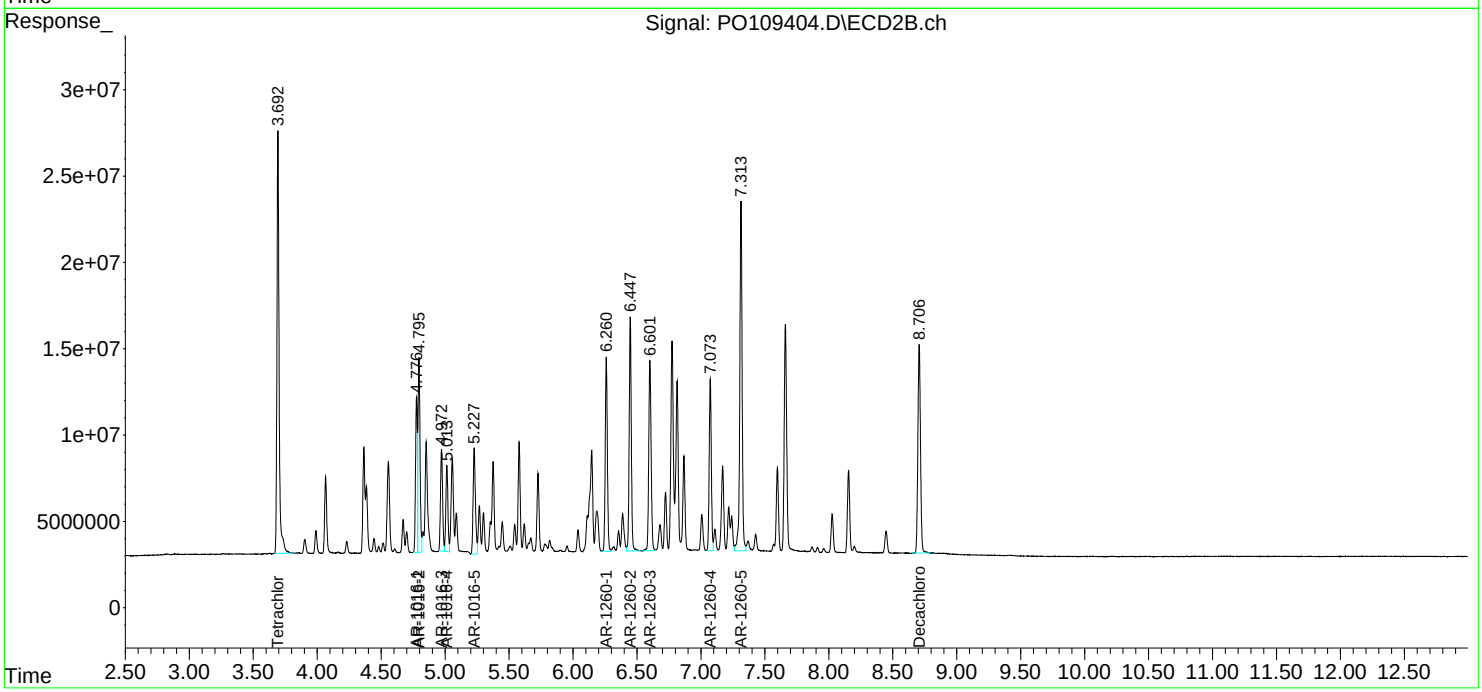
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:00
Operator : YP/AJ
Sample : PO020325ICV500
Misc :
ALS Vial : 100 Sample Multiplier: 1

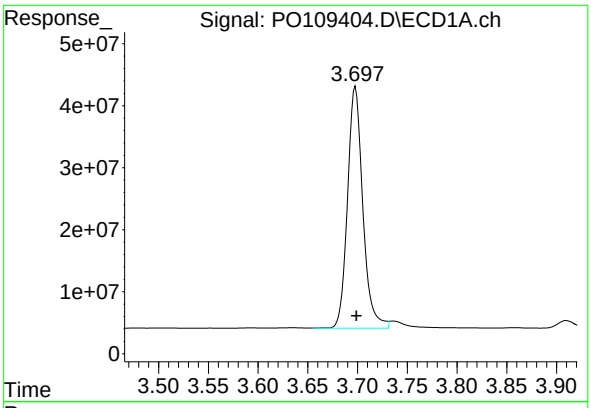
Instrument :
ECD_O
ClientSampleId :
ICVPO020325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 00:26:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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



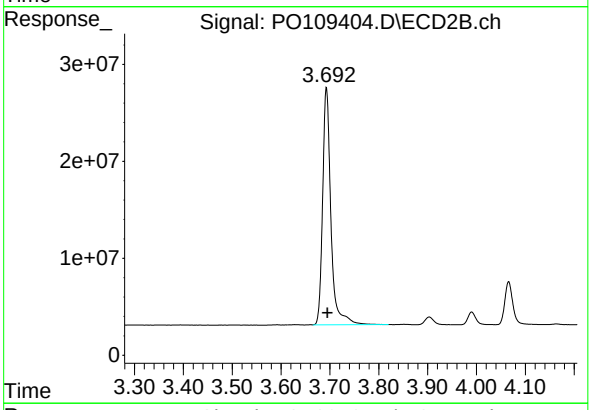




#1 Tetrachloro-m-xylene

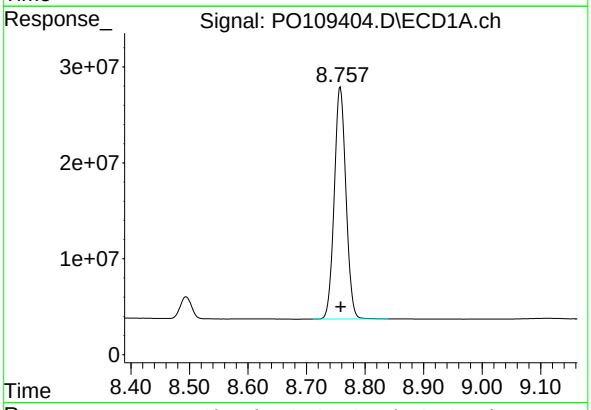
R.T.: 3.698 min
Delta R.T.: -0.001 min
Response: 416982886
Conc: 55.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



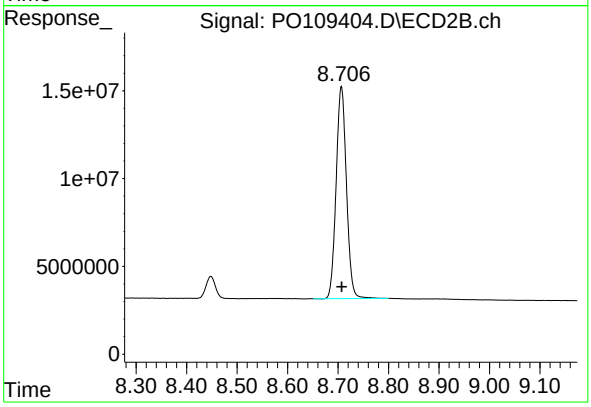
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.002 min
Response: 287936655
Conc: 53.91 ng/ml



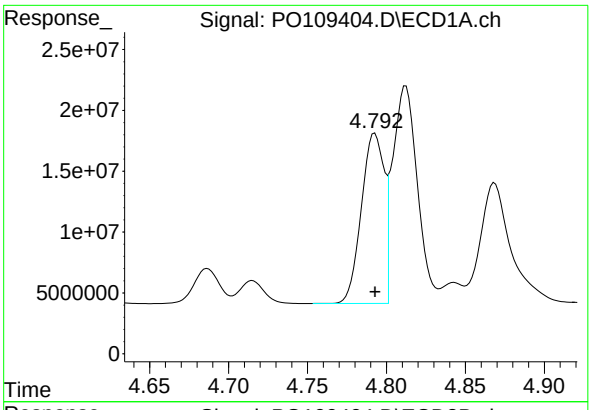
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 334871773
Conc: 51.67 ng/ml



#2 Decachlorobiphenyl

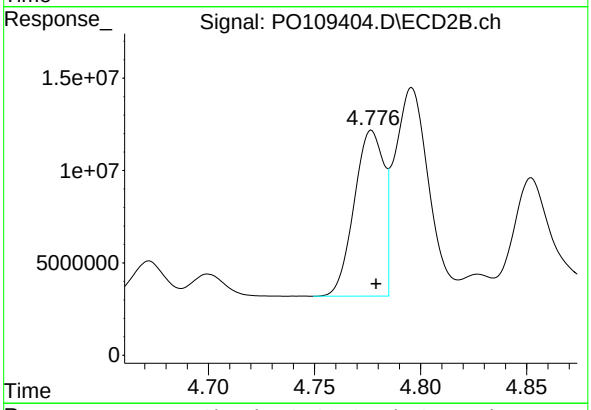
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 171625185
Conc: 55.07 ng/ml



#3 AR-1016-1

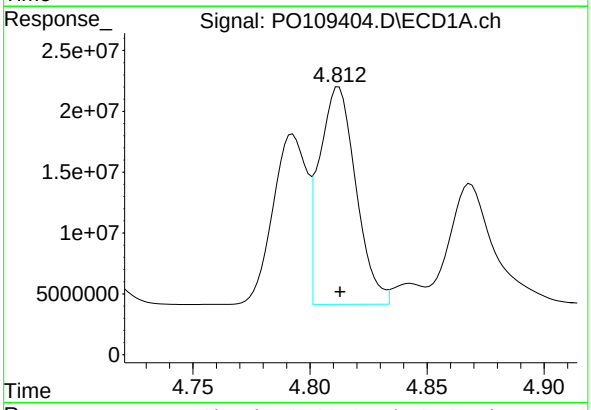
R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 139808421
Conc: 547.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



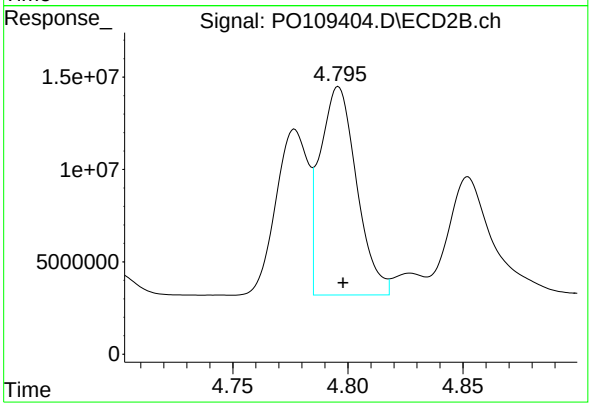
#3 AR-1016-1

R.T.: 4.777 min
Delta R.T.: -0.002 min
Response: 87423034
Conc: 520.68 ng/ml



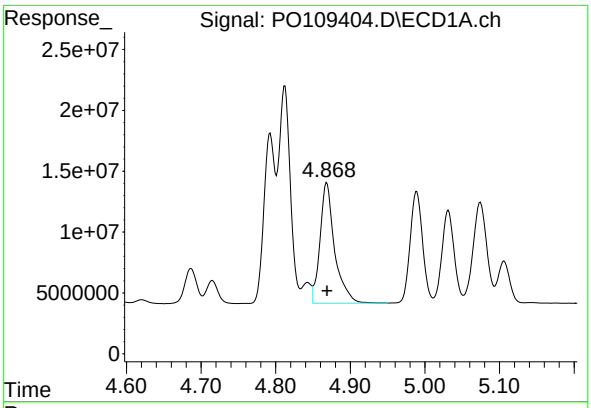
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 194659247
Conc: 568.38 ng/ml



#4 AR-1016-2

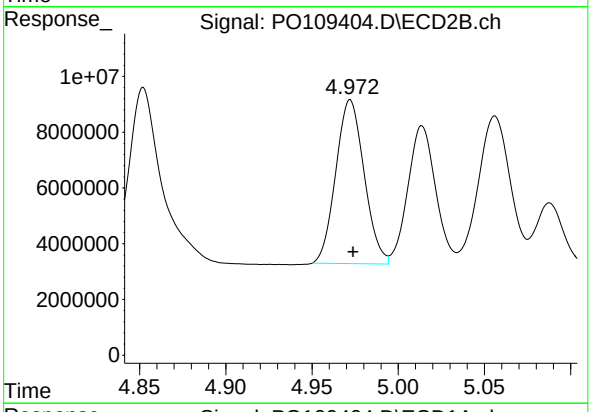
R.T.: 4.796 min
Delta R.T.: -0.002 min
Response: 124924375
Conc: 538.33 ng/ml



#5 AR-1016-3

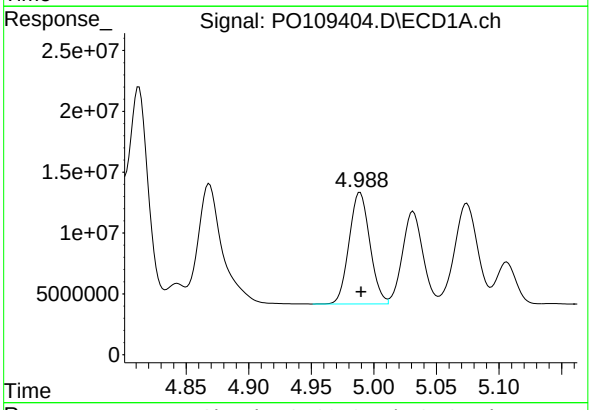
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 134768313
Conc: 555.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



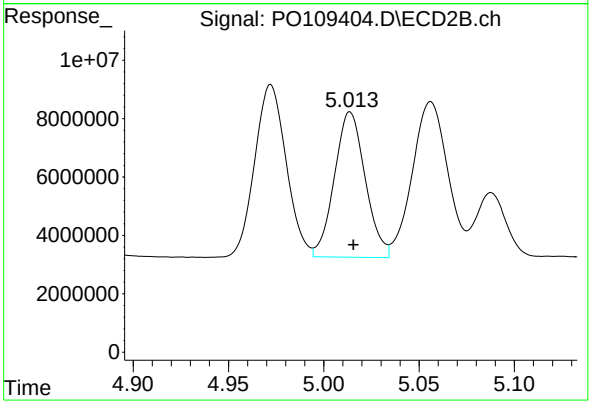
#5 AR-1016-3

R.T.: 4.972 min
Delta R.T.: -0.002 min
Response: 67079579
Conc: 524.02 ng/ml



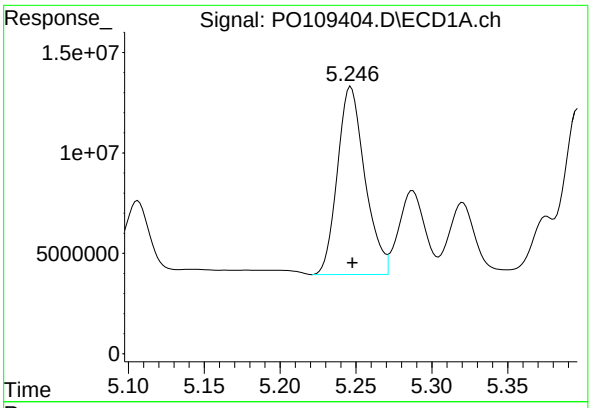
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 105958221
Conc: 551.54 ng/ml



#6 AR-1016-4

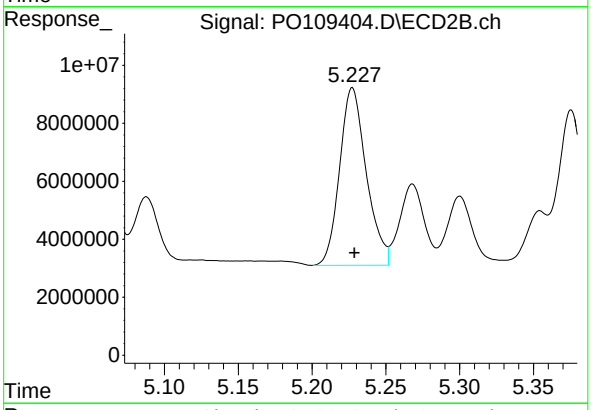
R.T.: 5.014 min
Delta R.T.: -0.002 min
Response: 56076765
Conc: 510.76 ng/ml



#7 AR-1016-5

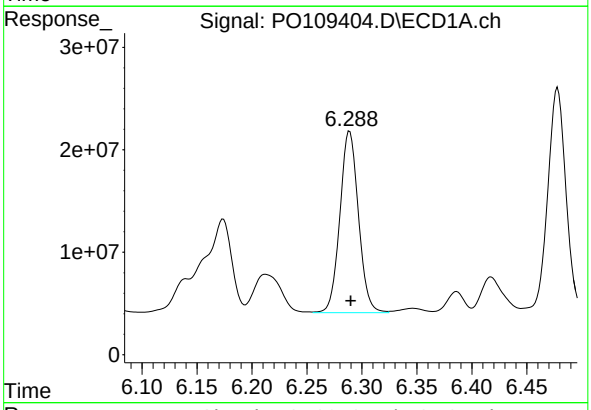
R.T.: 5.247 min
Delta R.T.: -0.001 min
Response: 117881038
Conc: 574.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



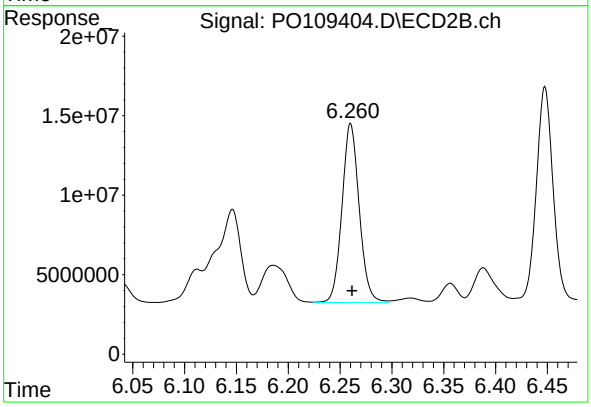
#7 AR-1016-5

R.T.: 5.227 min
Delta R.T.: -0.001 min
Response: 76988185
Conc: 548.82 ng/ml



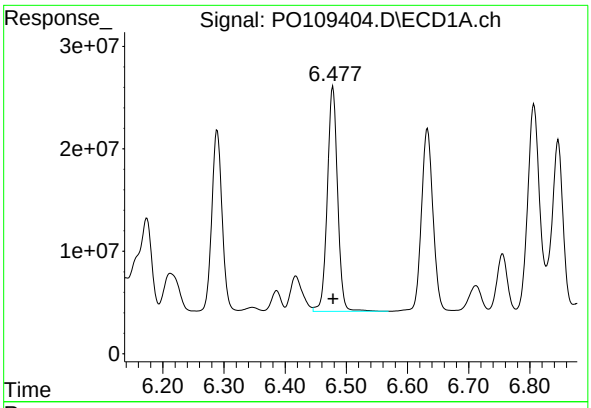
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: -0.001 min
Response: 208152880
Conc: 557.62 ng/ml



#31 AR-1260-1

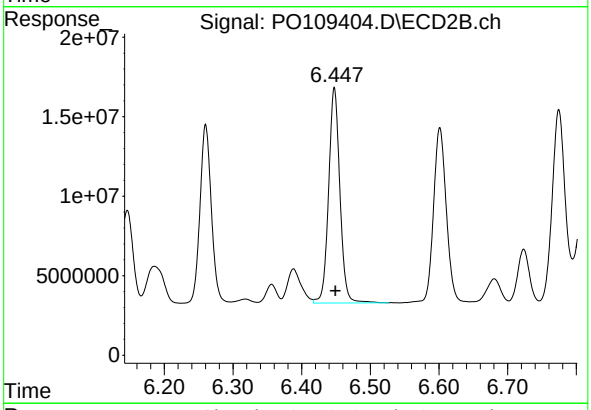
R.T.: 6.260 min
Delta R.T.: -0.001 min
Response: 129739186
Conc: 525.01 ng/ml



#32 AR-1260-2

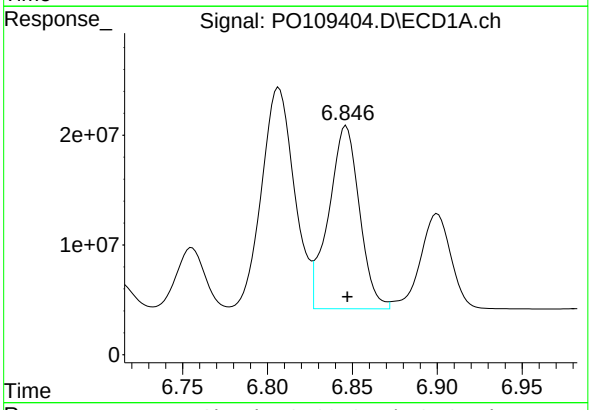
R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 256417070
Conc: 559.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



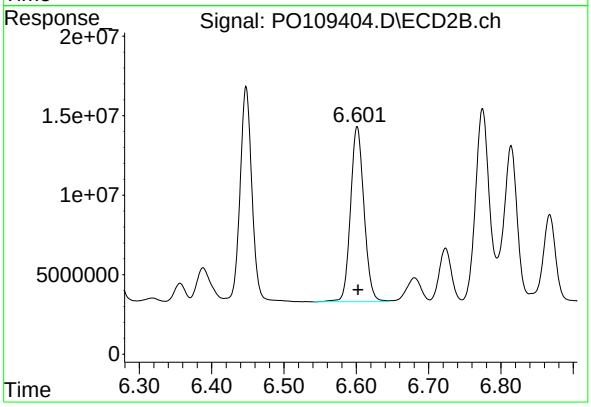
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: -0.002 min
Response: 154819344
Conc: 530.06 ng/ml



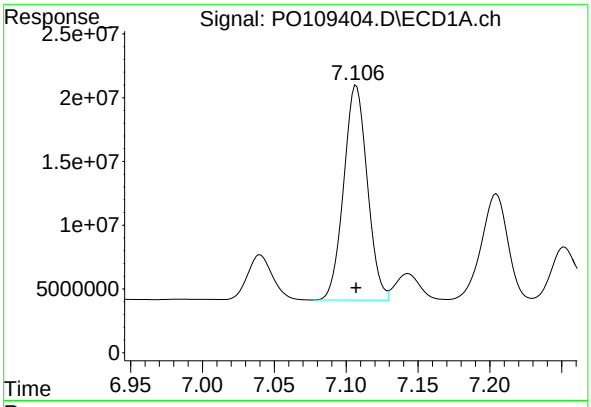
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 210355558
Conc: 549.24 ng/ml



#33 AR-1260-3

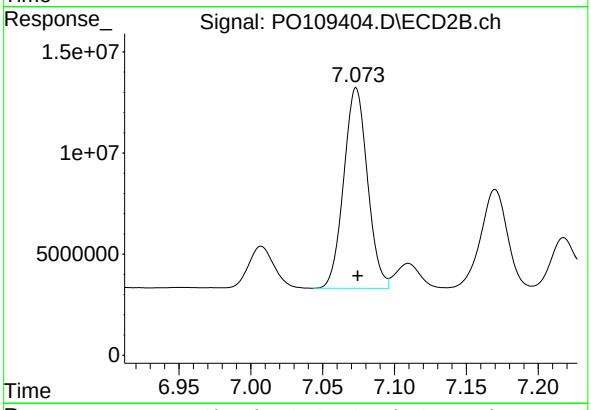
R.T.: 6.601 min
Delta R.T.: -0.001 min
Response: 142435755
Conc: 500.82 ng/ml



#34 AR-1260-4

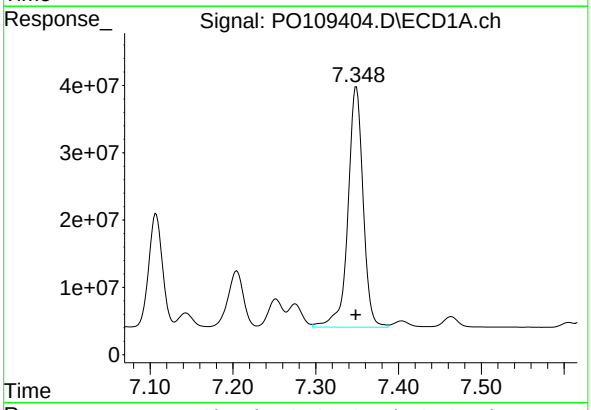
R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 192046770
Conc: 548.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO020325



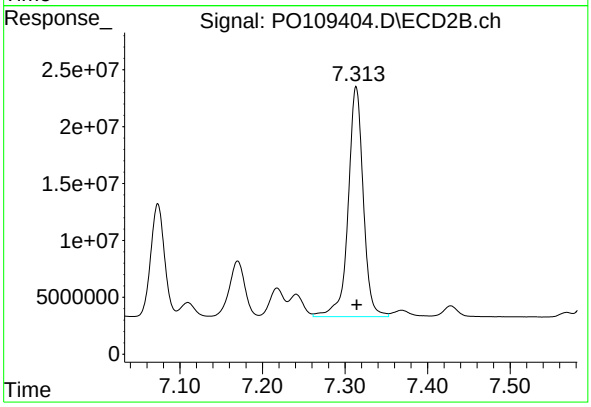
#34 AR-1260-4

R.T.: 7.073 min
Delta R.T.: -0.001 min
Response: 114257100
Conc: 518.83 ng/ml



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 454162989
Conc: 556.86 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 257344099
Conc: 524.41 ng/ml

Raw Data: **PO109317.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 09:16 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

Raw Data: **PO109317.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 09:16 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-4	(4)	5.01	5.04	4.94	5.14	0.03
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.26	6.29	6.19	6.39	0.03
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.60	6.63	6.53	6.73	0.03
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.03
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.69	3.72	3.62	3.82	0.03
Decachlorobiphenyl		8.71	8.73	8.63	8.83	0.02

Raw Data: **PO109317.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 01/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109317.D **Time Analyzed:** 09:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.793	4.695	4.895	550.790	500.000	10.2
Aroclor-1016-2	4.813	4.714	4.914	550.890	500.000	10.2
Aroclor-1016-3	4.869	4.770	4.970	543.070	500.000	8.6
Aroclor-1016-4	4.990	4.891	5.091	548.160	500.000	9.6
Aroclor-1016-5	5.247	5.149	5.349	539.660	500.000	7.9
Aroclor-1260-1	6.290	6.190	6.390	523.710	500.000	4.7
Aroclor-1260-2	6.478	6.379	6.579	517.600	500.000	3.5
Aroclor-1260-3	6.847	6.747	6.947	511.430	500.000	2.3
Aroclor-1260-4	7.107	7.008	7.208	495.890	500.000	-0.8
Aroclor-1260-5	7.349	7.249	7.449	486.540	500.000	-2.7
Decachlorobiphenyl	8.759	8.658	8.858	45.000	50.000	-10.0
Tetrachloro-m-xylene	3.698	3.600	3.800	56.080	50.000	12.2

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 01/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109317.D **Time Analyzed:** 09:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.778	4.703	4.903	559.060	500.000	11.8
Aroclor-1016-2	4.797	4.722	4.922	502.860	500.000	0.6
Aroclor-1016-3	4.973	4.898	5.098	524.970	500.000	5.0
Aroclor-1016-4	5.014	4.940	5.140	518.430	500.000	3.7
Aroclor-1016-5	5.229	5.153	5.353	510.340	500.000	2.1
Aroclor-1260-1	6.262	6.186	6.386	502.170	500.000	0.4
Aroclor-1260-2	6.450	6.373	6.573	497.440	500.000	-0.5
Aroclor-1260-3	6.603	6.527	6.727	495.150	500.000	-1.0
Aroclor-1260-4	7.075	6.999	7.199	499.130	500.000	-0.2
Aroclor-1260-5	7.315	7.239	7.439	499.000	500.000	-0.2
Decachlorobiphenyl	8.709	8.633	8.833	44.120	50.000	-11.8
Tetrachloro-m-xylene	3.694	3.618	3.818	54.310	50.000	8.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 09:16
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 12:28:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.694	423.7E6	291.1E6	56.078	54.313
2)	SA Decachlor...	8.759	8.709	311.7E6	151.7E6	44.997	44.117
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.778	139.0E6	90521543	550.793	559.058m
4)	L1 AR-1016-2	4.813	4.797	190.0E6	119.8E6	550.889	502.856m
5)	L1 AR-1016-3	4.869	4.973	132.6E6	68444402	543.066	524.970m
6)	L1 AR-1016-4	4.990	5.014	104.6E6	57295919	548.161	518.428m
7)	L1 AR-1016-5	5.247	5.229	112.7E6	73255279	539.661	510.337m
31)	L7 AR-1260-1	6.290	6.262	199.6E6	126.6E6	523.705	502.166
32)	L7 AR-1260-2	6.478	6.450	243.1E6	149.6E6	517.604	497.440
33)	L7 AR-1260-3	6.847	6.603	200.3E6	137.8E6	511.434	495.149
34)	L7 AR-1260-4	7.107	7.075	177.5E6	112.6E6	495.887	499.129m
35)	L7 AR-1260-5	7.349	7.315	406.1E6	249.8E6	486.539	499.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 09:16
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

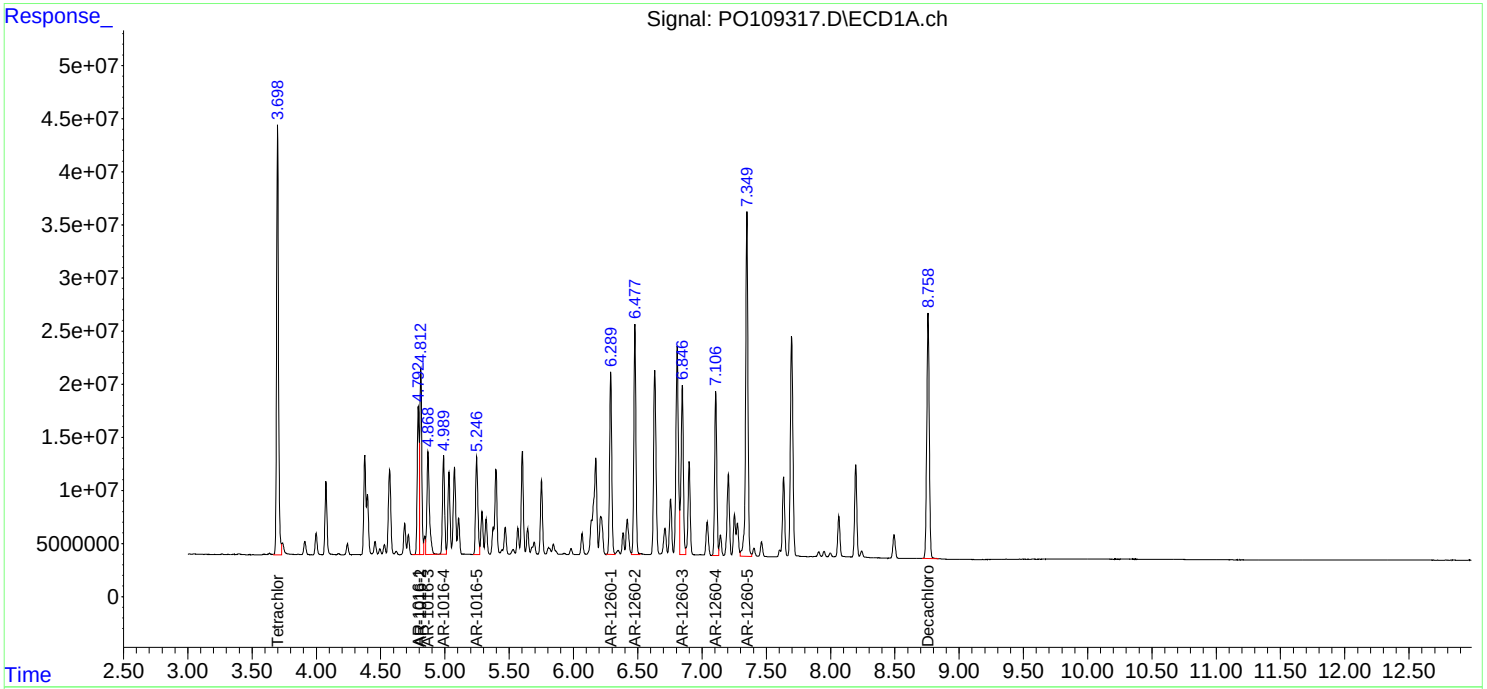
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

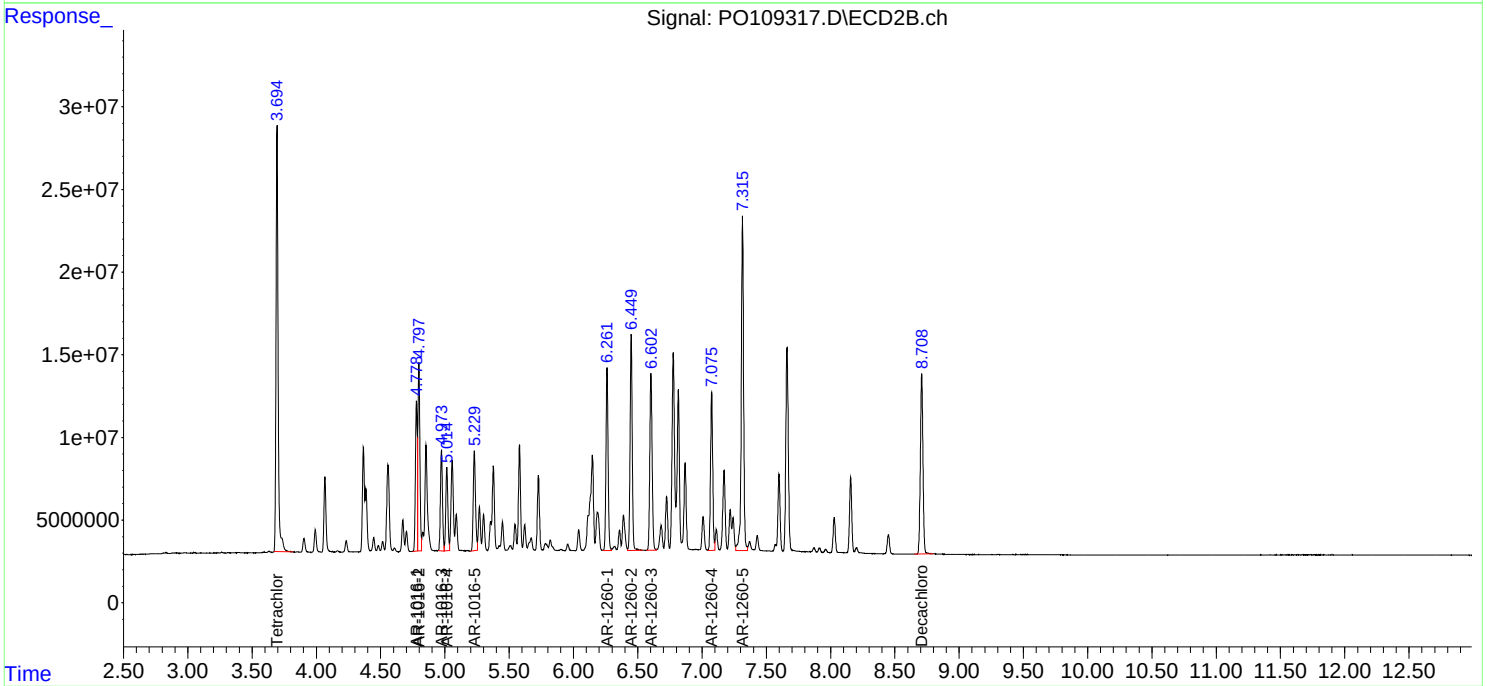
Manual Integrations APPROVED

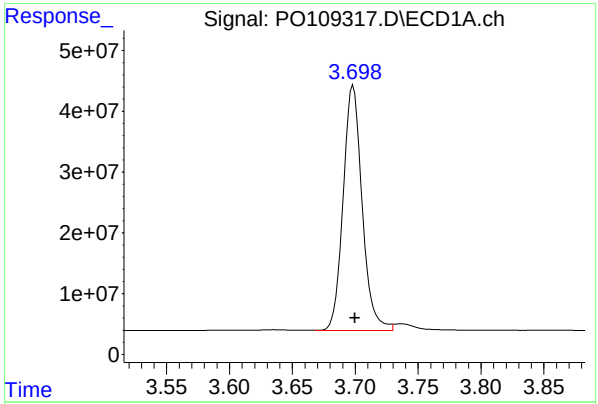
Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 12:28:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







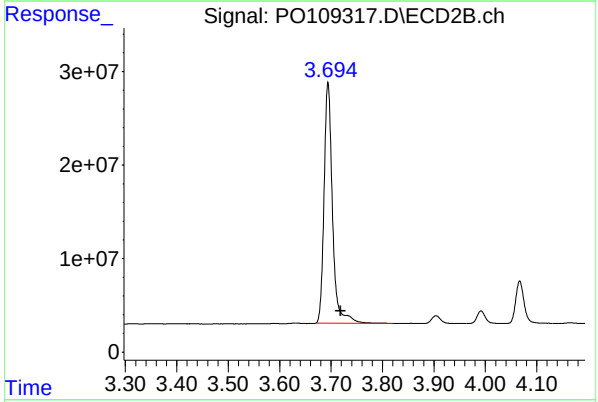
#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 423748989
Conc: 56.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

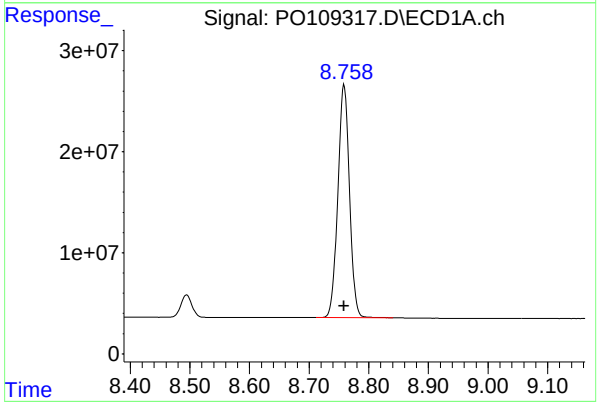
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



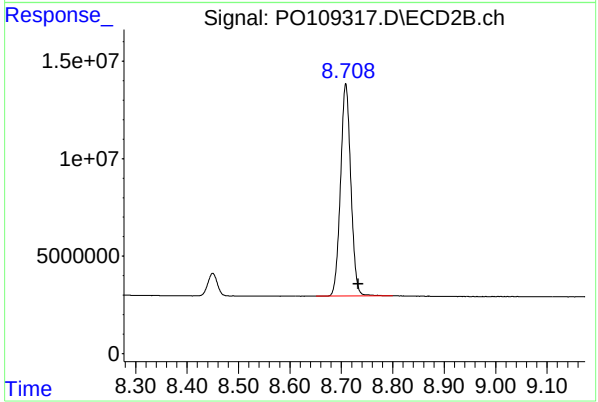
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: -0.024 min
Response: 291134528
Conc: 54.31 ng/ml



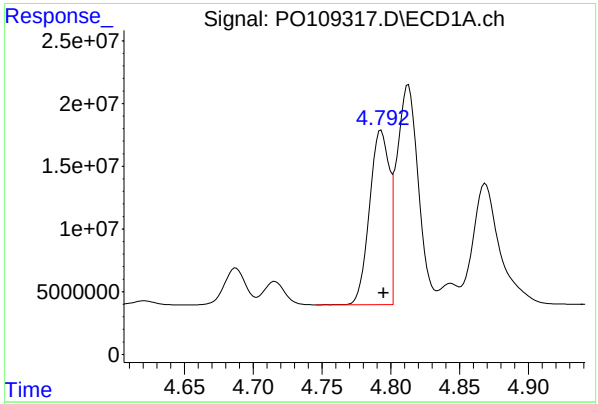
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 311724352
Conc: 45.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: -0.024 min
Response: 151708532
Conc: 44.12 ng/ml



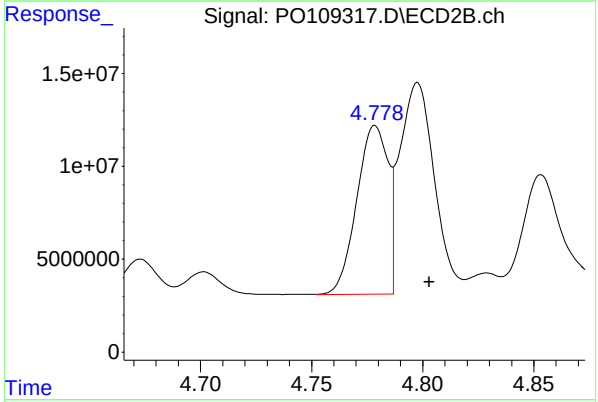
#3 AR-1016-1

R.T.: 4.793 min
Delta R.T.: -0.002 mi
Response: 138957646
Conc: 550.79 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

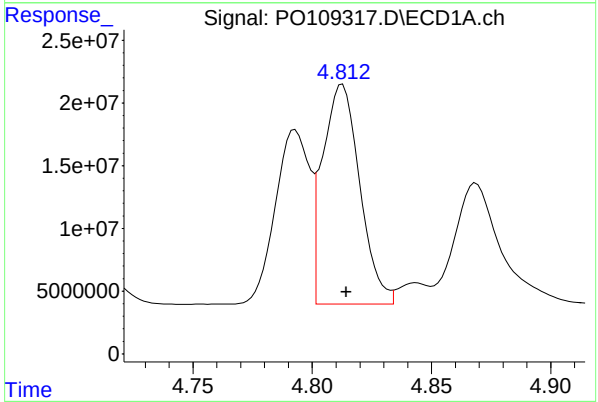
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



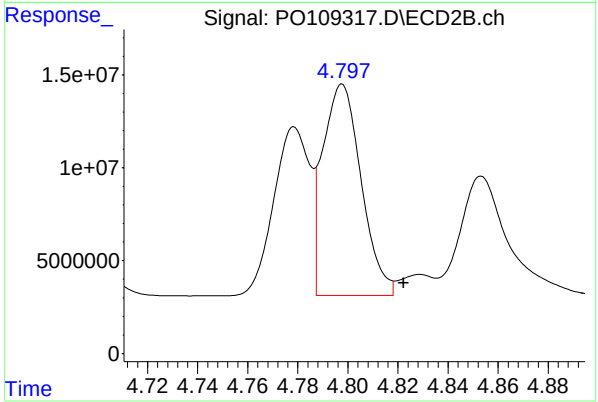
#3 AR-1016-1

R.T.: 4.778 min
Delta R.T.: -0.025 min
Response: 90521543
Conc: 559.06 ng/ml m



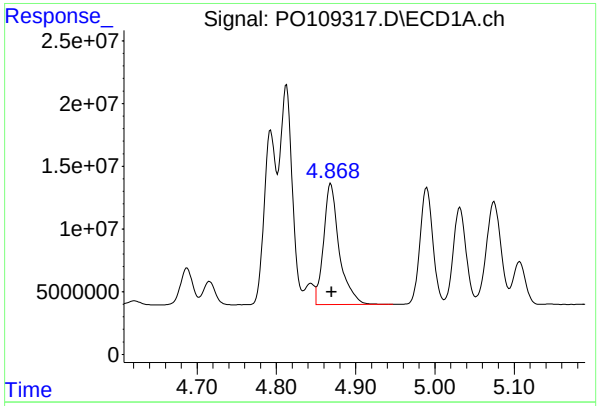
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: -0.002 min
Response: 189993074
Conc: 550.89 ng/ml



#4 AR-1016-2

R.T.: 4.797 min
Delta R.T.: -0.025 min
Response: 119798575
Conc: 502.86 ng/ml m



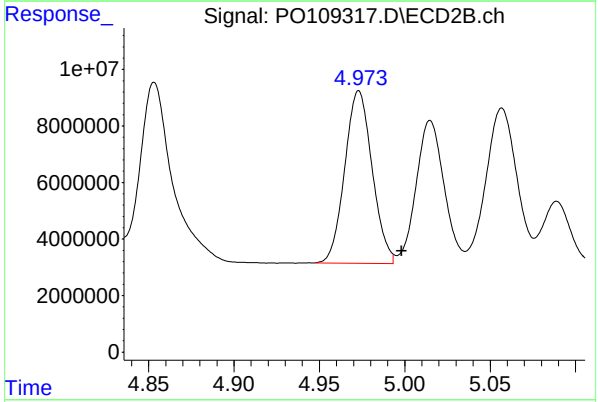
#5 AR-1016-3

R.T.: 4.869 min
Delta R.T.: -0.001 mi
Response: 132571329
Conc: 543.07 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

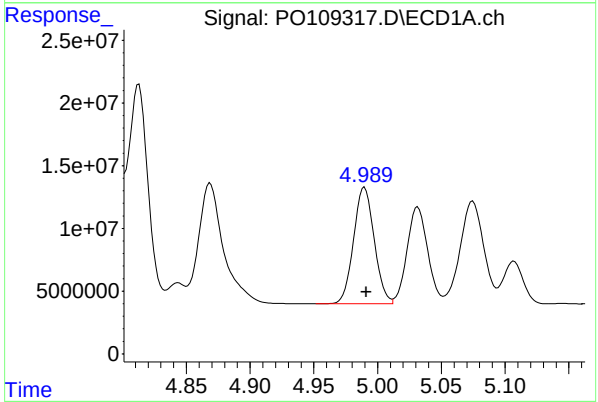
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



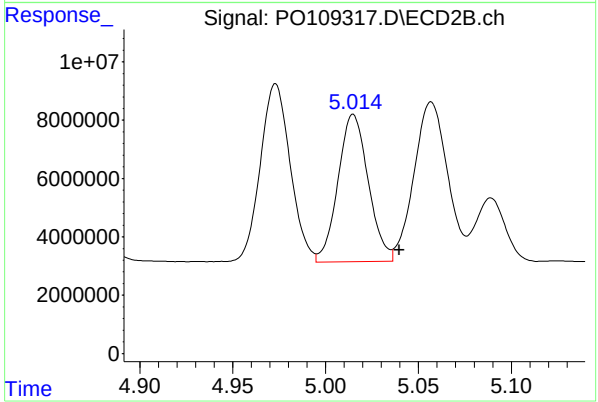
#5 AR-1016-3

R.T.: 4.973 min
Delta R.T.: -0.025 min
Response: 68444402
Conc: 524.97 ng/ml m



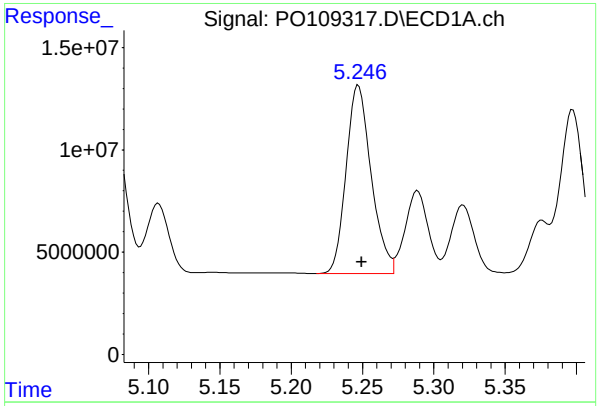
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: -0.001 min
Response: 104605099
Conc: 548.16 ng/ml



#6 AR-1016-4

R.T.: 5.014 min
Delta R.T.: -0.025 min
Response: 57295919
Conc: 518.43 ng/ml m



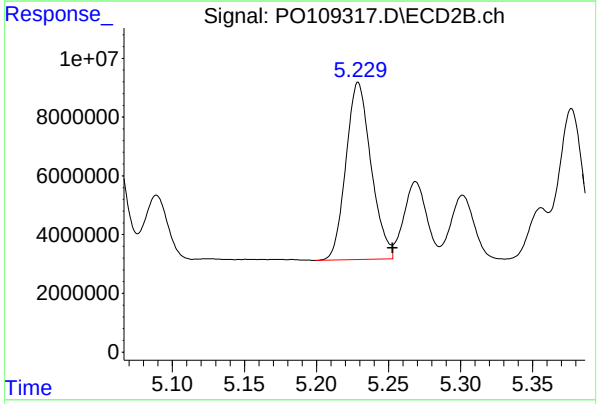
#7 AR-1016-5

R.T.: 5.247 min
Delta R.T.: -0.002 mi
Response: 112660561
Conc: 539.66 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

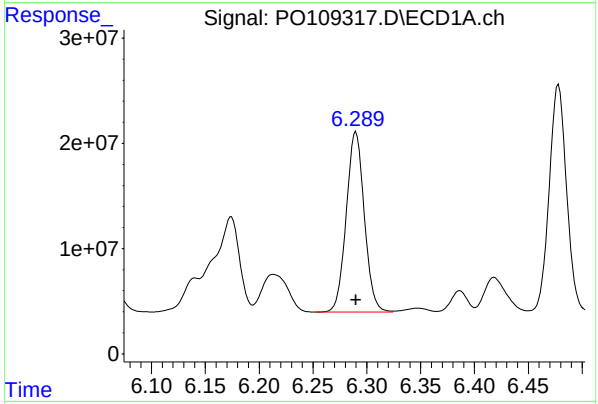
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



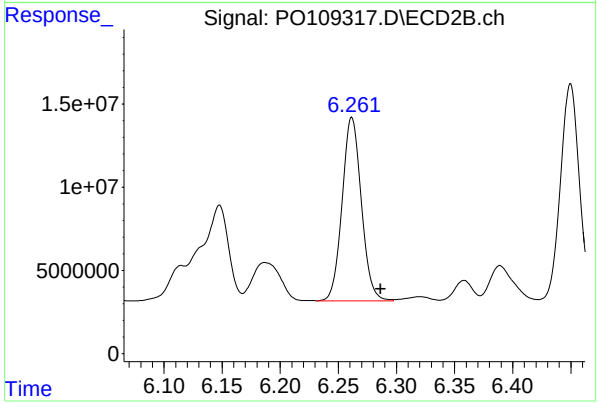
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: -0.024 min
Response: 73255279
Conc: 510.34 ng/ml m



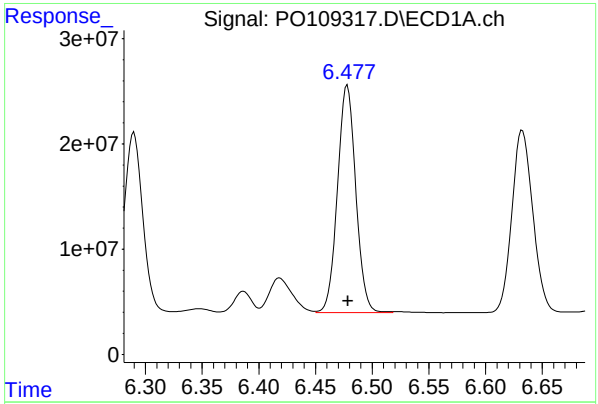
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 199613118
Conc: 523.71 ng/ml



#31 AR-1260-1

R.T.: 6.262 min
Delta R.T.: -0.025 min
Response: 126570449
Conc: 502.17 ng/ml



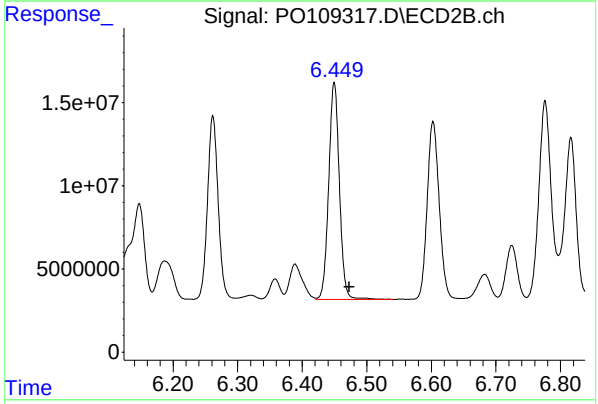
#32 AR-1260-2

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 243056864
Conc: 517.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

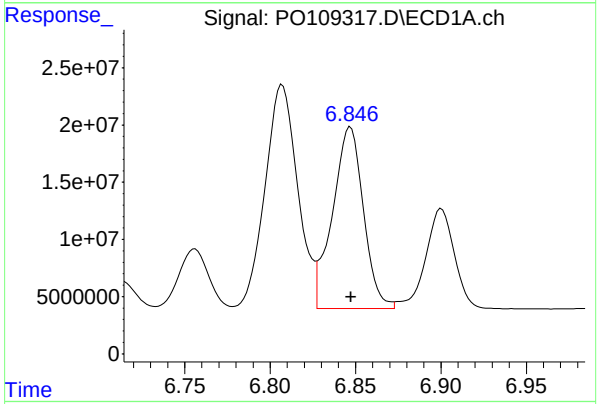
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



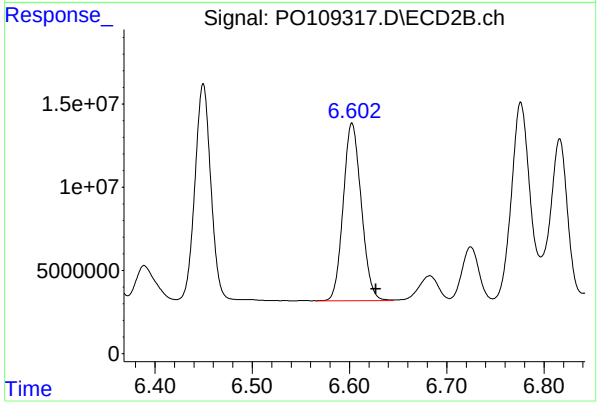
#32 AR-1260-2

R.T.: 6.450 min
Delta R.T.: -0.024 min
Response: 149632071
Conc: 497.44 ng/ml



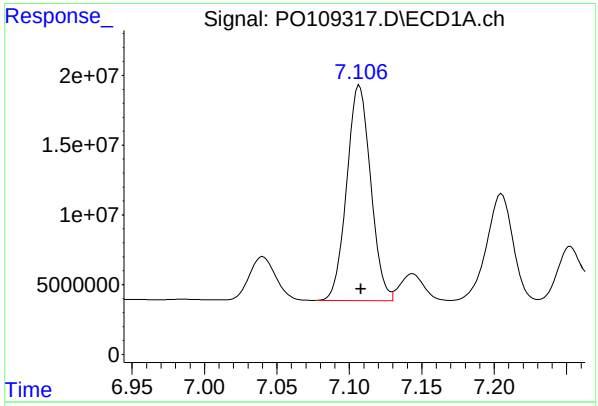
#33 AR-1260-3

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 200258149
Conc: 511.43 ng/ml



#33 AR-1260-3

R.T.: 6.603 min
Delta R.T.: -0.024 min
Response: 137842481
Conc: 495.15 ng/ml



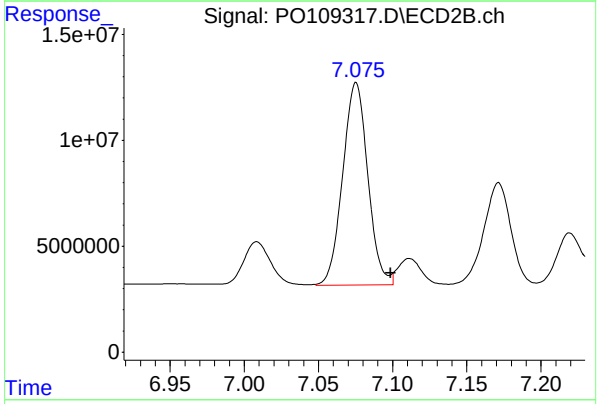
#34 AR-1260-4

R.T.: 7.107 min
Delta R.T.: -0.001 mi
Response: 177506508
Conc: 495.89 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

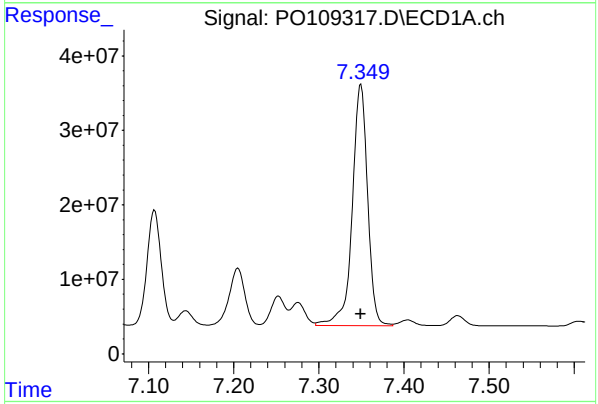
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



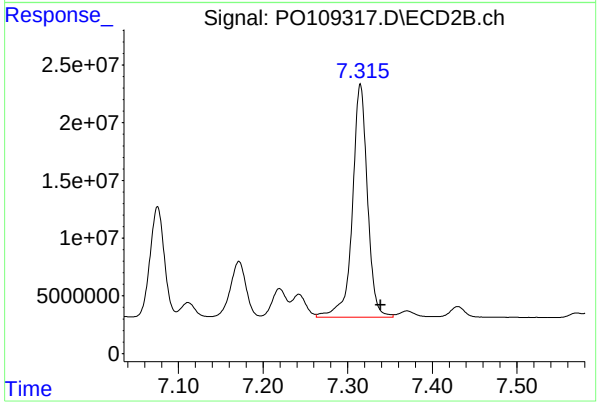
#34 AR-1260-4

R.T.: 7.075 min
Delta R.T.: -0.024 min
Response: 112629095
Conc: 499.13 ng/ml m



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 406063621
Conc: 486.54 ng/ml



#35 AR-1260-5

R.T.: 7.315 min
Delta R.T.: -0.024 min
Response: 249839228
Conc: 499.00 ng/ml

Raw Data: **PO109331.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 17:22 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

Raw Data: **PO109331.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 17:22 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.98	5.00	4.90	5.10	0.02
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.26	6.29	6.19	6.39	0.03
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.72	3.62	3.82	0.02
Decachlorobiphenyl		8.71	8.73	8.63	8.83	0.02

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 01/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109331.D **Time Analyzed:** 17:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.794	4.695	4.895	529.170	500.000	5.8
Aroclor-1016-2	4.814	4.714	4.914	527.480	500.000	5.5
Aroclor-1016-3	4.870	4.770	4.970	517.980	500.000	3.6
Aroclor-1016-4	4.991	4.891	5.091	521.800	500.000	4.4
Aroclor-1016-5	5.249	5.149	5.349	546.460	500.000	9.3
Aroclor-1260-1	6.291	6.190	6.390	448.550	500.000	-10.3
Aroclor-1260-2	6.479	6.379	6.579	456.840	500.000	-8.6
Aroclor-1260-3	6.848	6.747	6.947	472.180	500.000	-5.6
Aroclor-1260-4	7.108	7.008	7.208	435.580	500.000	-12.9
Aroclor-1260-5	7.350	7.249	7.449	423.730	500.000	-15.3
Decachlorobiphenyl	8.759	8.658	8.858	39.540	50.000	-20.9
Tetrachloro-m-xylene	3.699	3.600	3.800	53.070	50.000	6.1

Raw Data: **PO109331.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 01/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109331.D **Time Analyzed:** 17:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.780	4.703	4.903	573.010	500.000	14.6
Aroclor-1016-2	4.800	4.722	4.922	500.780	500.000	0.2
Aroclor-1016-3	4.976	4.898	5.098	538.260	500.000	7.7
Aroclor-1016-4	5.017	4.940	5.140	496.750	500.000	-0.7
Aroclor-1016-5	5.231	5.153	5.353	550.950	500.000	10.2
Aroclor-1260-1	6.264	6.186	6.386	483.980	500.000	-3.2
Aroclor-1260-2	6.452	6.373	6.573	475.980	500.000	-4.8
Aroclor-1260-3	6.606	6.527	6.727	473.890	500.000	-5.2
Aroclor-1260-4	7.077	6.999	7.199	438.870	500.000	-12.2
Aroclor-1260-5	7.318	7.239	7.439	441.630	500.000	-11.7
Decachlorobiphenyl	8.711	8.633	8.833	41.590	50.000	-16.8
Tetrachloro-m-xylene	3.697	3.618	3.818	54.770	50.000	9.5

Sample Results: **PO109331.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 17:22
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 17:39:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.697	401.0E6	293.6E6	53.069	54.773
2)	SA Decachlor...	8.759	8.711	273.9E6	143.0E6	39.539	41.586
	Target Compounds						
3)	L1 AR-1016-1	4.794	4.780	133.5E6	92781250	529.167	573.014m
4)	L1 AR-1016-2	4.814	4.800	181.9E6	119.3E6	527.483	500.779m
5)	L1 AR-1016-3	4.870	4.976	126.4E6	70176810	517.978	538.257m
6)	L1 AR-1016-4	4.991	5.017	99575452	54900451	521.804	496.753m
7)	L1 AR-1016-5	5.249	5.231	114.1E6	79084350	546.463	550.946m
31)	L7 AR-1260-1	6.291	6.264	171.0E6	122.0E6	448.554	483.981
32)	L7 AR-1260-2	6.479	6.452	214.5E6	143.2E6	456.837	475.976
33)	L7 AR-1260-3	6.848	6.606	184.9E6	131.9E6	472.184	473.892
34)	L7 AR-1260-4	7.108	7.077	155.9E6	99031533	435.576	438.870m
35)	L7 AR-1260-5	7.350	7.318	353.6E6	221.1E6	423.730	441.629

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 17:22
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

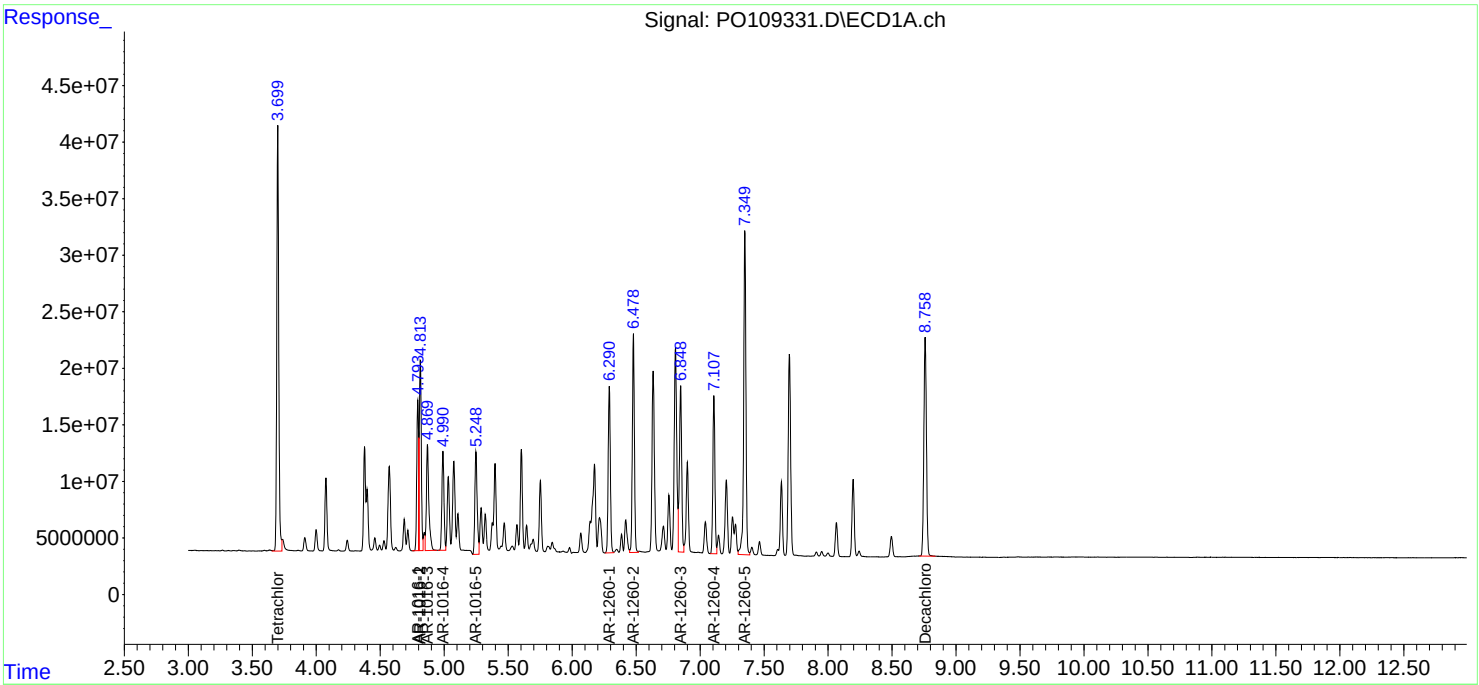
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

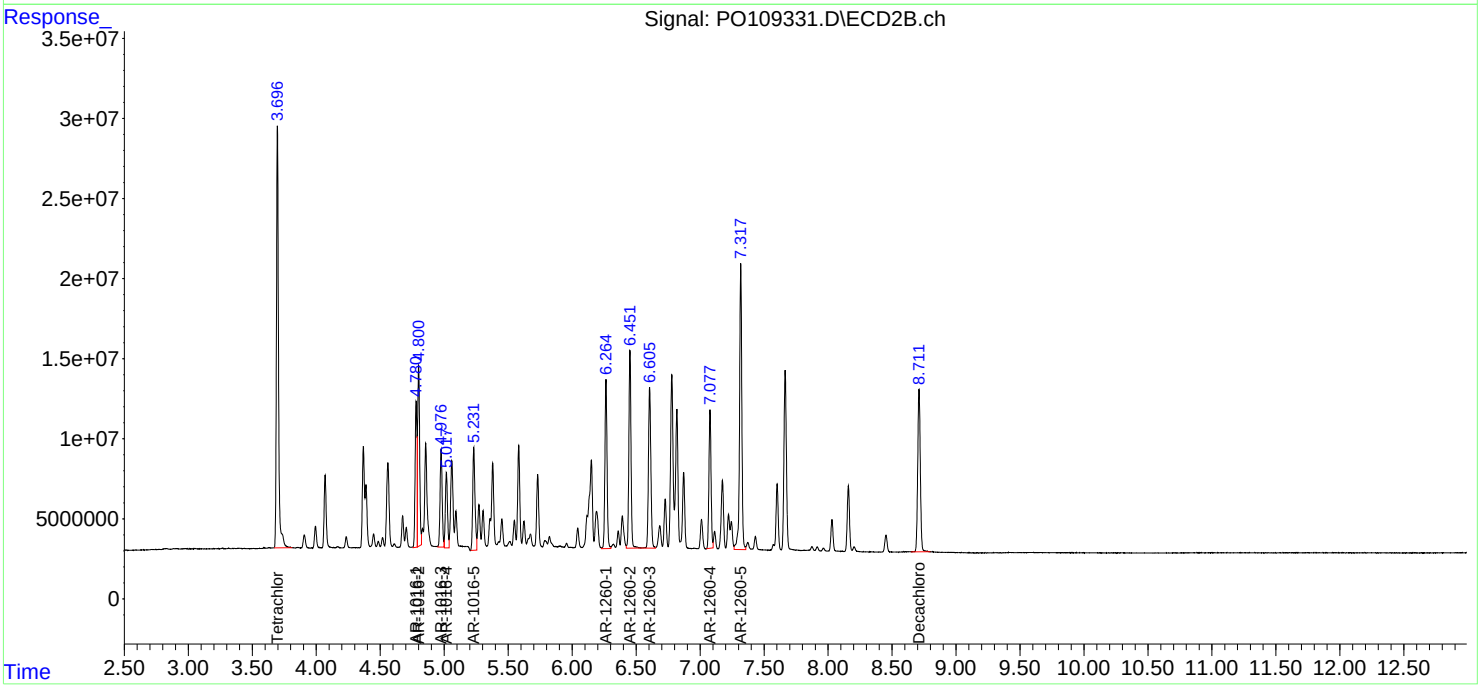
Manual Integrations APPROVED

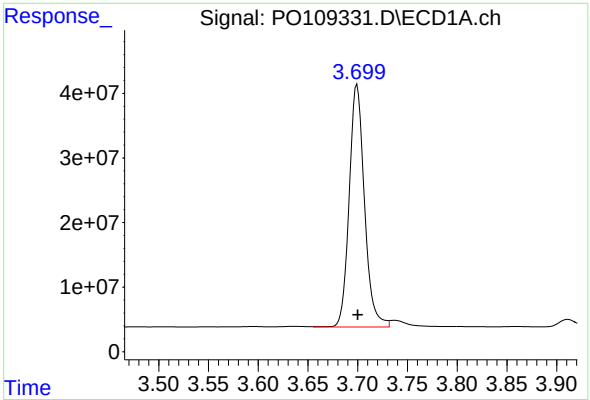
Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 17:39:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







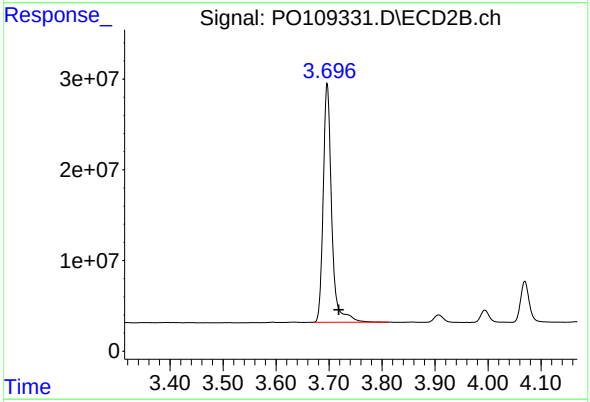
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 401013695
Conc: 53.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

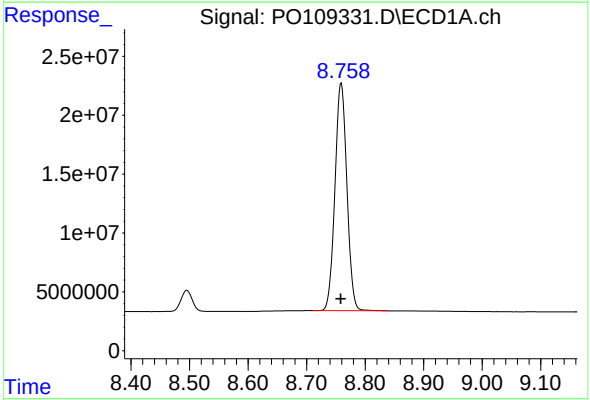
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



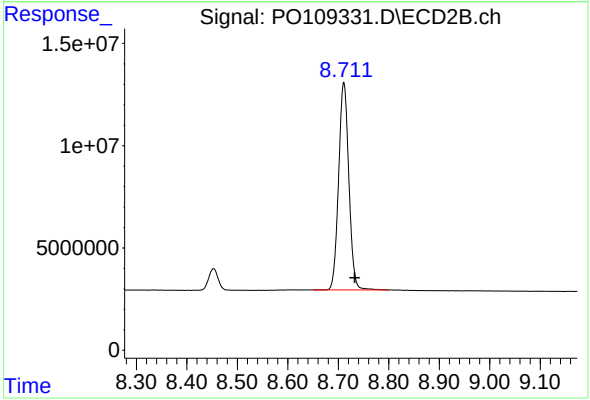
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.022 min
Response: 293599856
Conc: 54.77 ng/ml



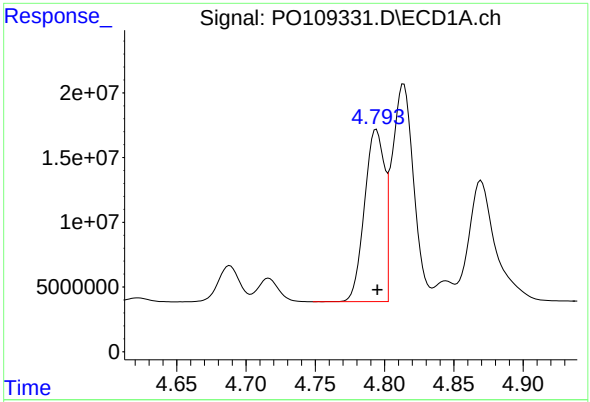
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 273914458
Conc: 39.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 143003235
Conc: 41.59 ng/ml



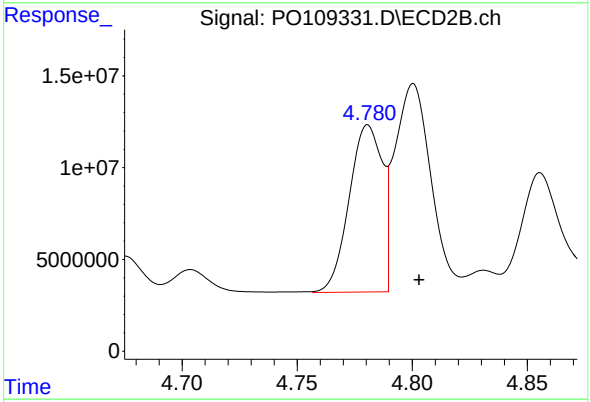
#3 AR-1016-1

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 133501747
Conc: 529.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

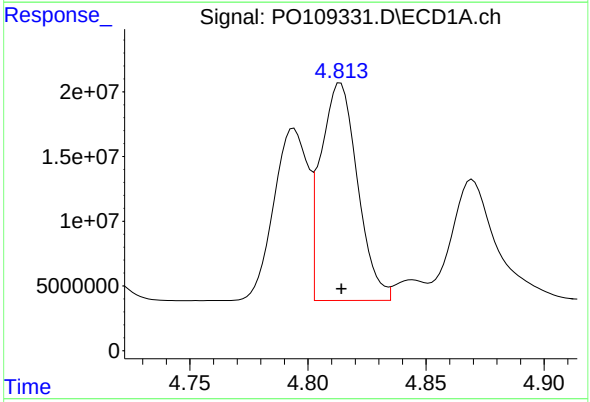
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



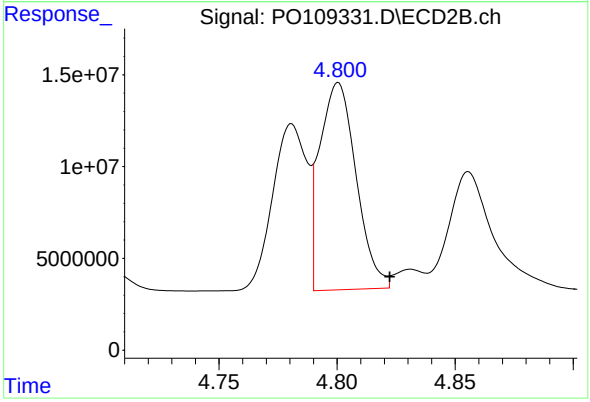
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: -0.023 min
Response: 92781250
Conc: 573.01 ng/ml m



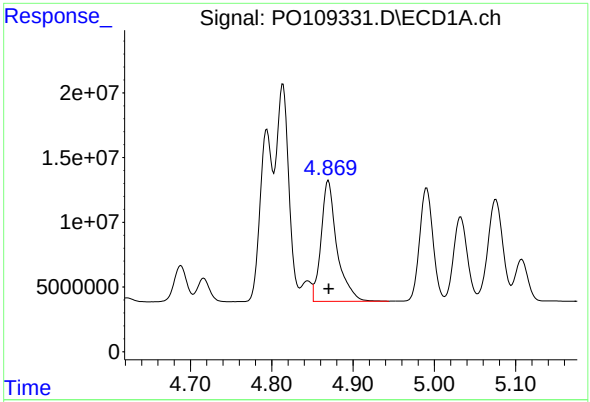
#4 AR-1016-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 181920757
Conc: 527.48 ng/ml



#4 AR-1016-2

R.T.: 4.800 min
Delta R.T.: -0.022 min
Response: 119303727
Conc: 500.78 ng/ml m



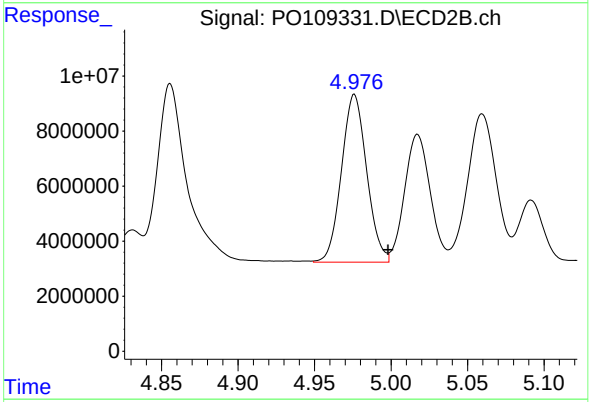
#5 AR-1016-3

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 126446986
Conc: 517.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

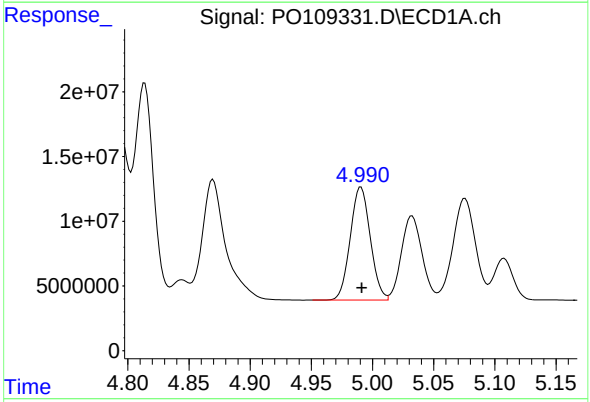
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



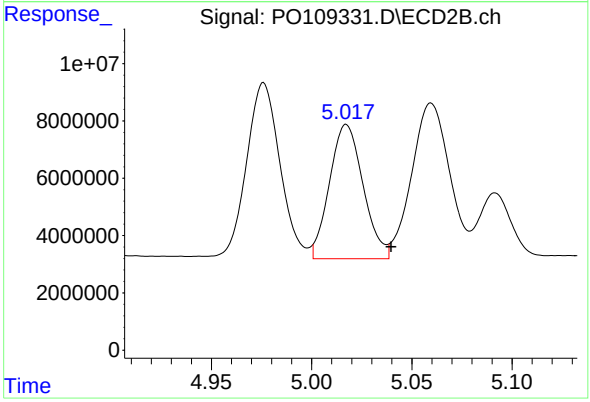
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 70176810
Conc: 538.26 ng/ml m



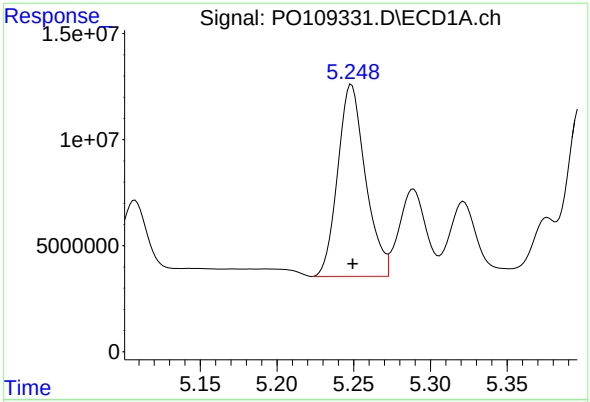
#6 AR-1016-4

R.T.: 4.991 min
Delta R.T.: 0.000 min
Response: 99575452
Conc: 521.80 ng/ml



#6 AR-1016-4

R.T.: 5.017 min
Delta R.T.: -0.023 min
Response: 54900451
Conc: 496.75 ng/ml m



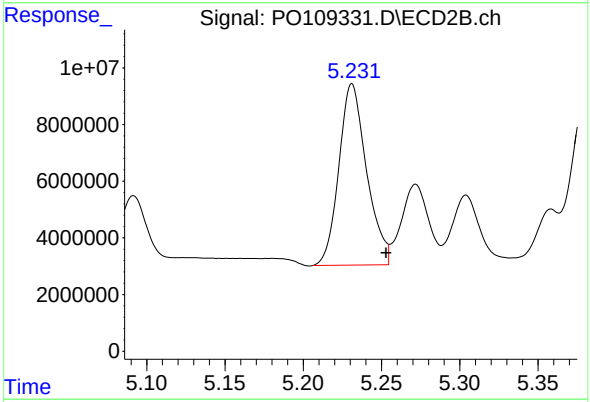
#7 AR-1016-5

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 114080528
Conc: 546.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

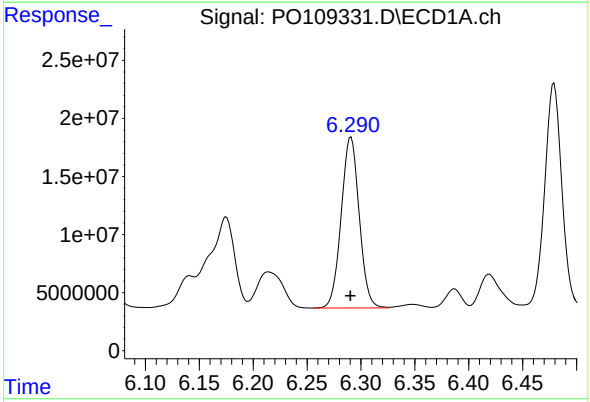
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



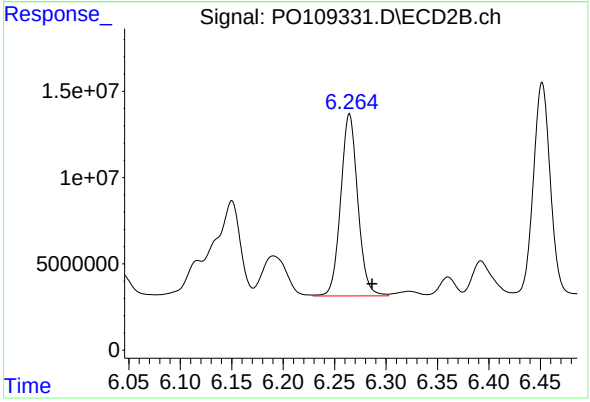
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 79084350
Conc: 550.95 ng/ml m



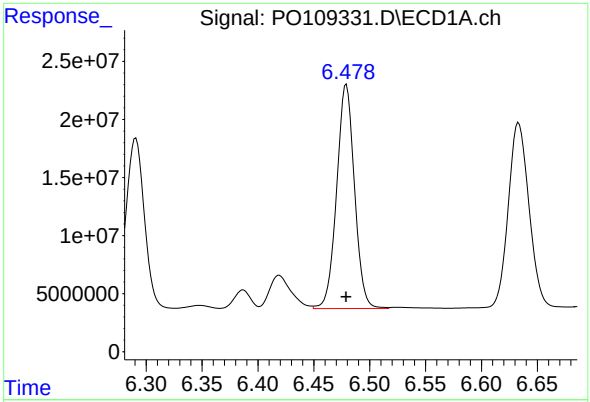
#31 AR-1260-1

R.T.: 6.291 min
Delta R.T.: 0.000 min
Response: 170968962
Conc: 448.55 ng/ml



#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: -0.022 min
Response: 121986976
Conc: 483.98 ng/ml



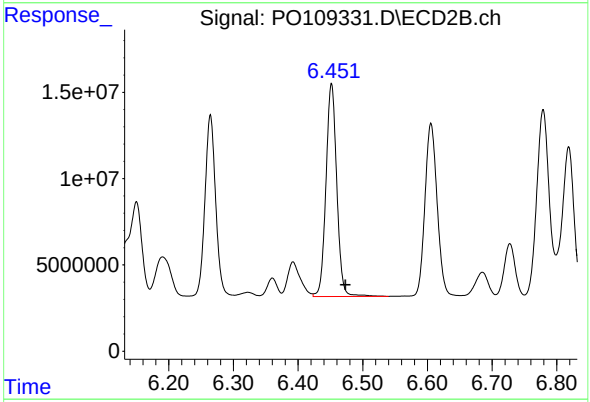
#32 AR-1260-2

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 214521763
Conc: 456.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

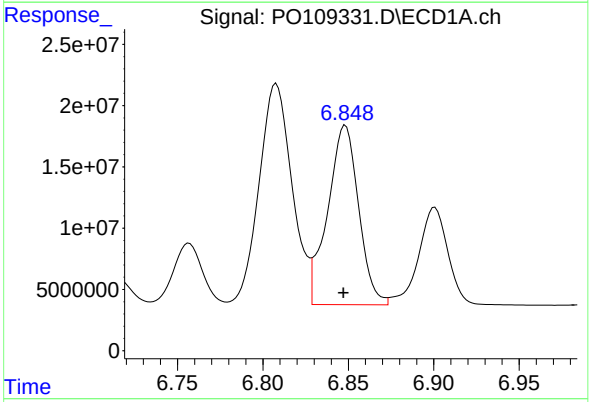
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



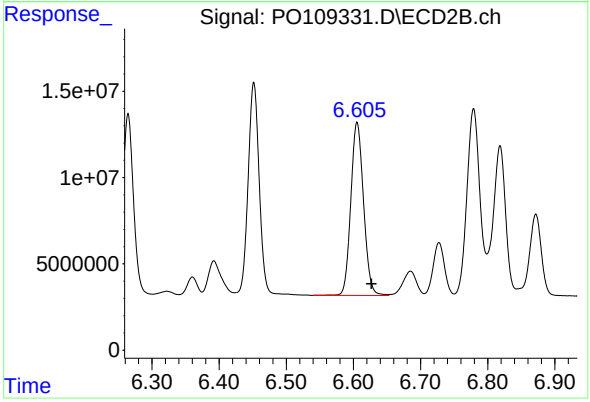
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 143175677
Conc: 475.98 ng/ml



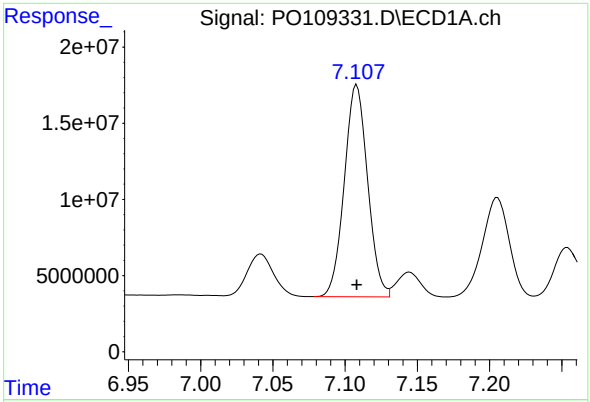
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.001 min
Response: 184889189
Conc: 472.18 ng/ml



#33 AR-1260-3

R.T.: 6.606 min
Delta R.T.: -0.022 min
Response: 131924788
Conc: 473.89 ng/ml



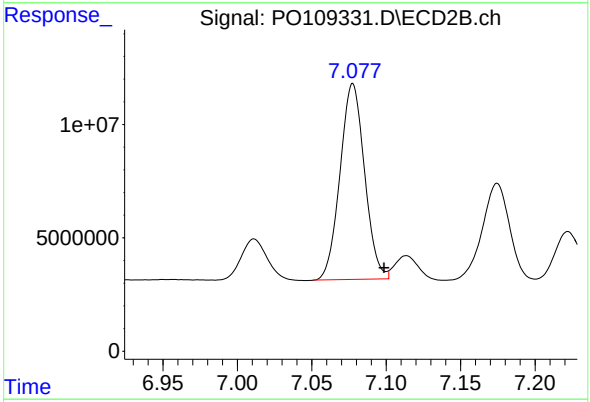
#34 AR-1260-4

R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 155917714
Conc: 435.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

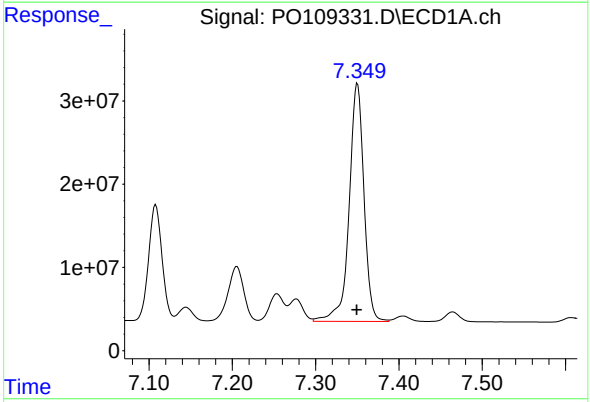
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



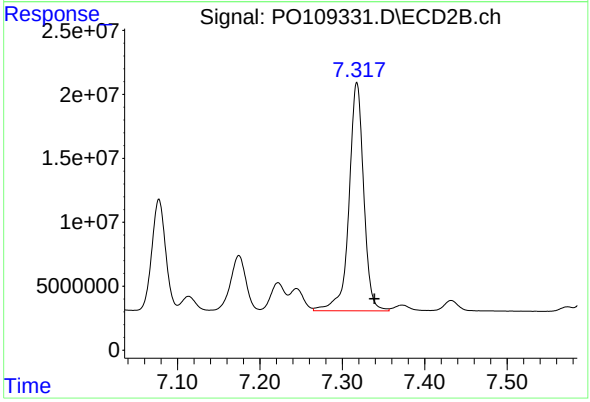
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.021 min
Response: 99031533
Conc: 438.87 ng/ml m



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.001 min
Response: 353643292
Conc: 423.73 ng/ml



#35 AR-1260-5

R.T.: 7.318 min
Delta R.T.: -0.021 min
Response: 221114966
Conc: 441.63 ng/ml

Raw Data: **PO109344.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 22:43 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

Raw Data: **PO109344.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 22:43 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.98	5.00	4.90	5.10	0.03
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.26	6.29	6.19	6.39	0.03
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.72	3.62	3.82	0.02
Decachlorobiphenyl		8.71	8.73	8.63	8.83	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 01/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109344.D **Time Analyzed:** 22:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.792	4.695	4.895	531.740	500.000	6.3
Aroclor-1016-2	4.811	4.714	4.914	533.890	500.000	6.8
Aroclor-1016-3	4.867	4.770	4.970	522.950	500.000	4.6
Aroclor-1016-4	4.988	4.891	5.091	525.960	500.000	5.2
Aroclor-1016-5	5.246	5.149	5.349	557.920	500.000	11.6
Aroclor-1260-1	6.288	6.190	6.390	505.440	500.000	1.1
Aroclor-1260-2	6.477	6.379	6.579	501.420	500.000	0.3
Aroclor-1260-3	6.846	6.747	6.947	490.000	500.000	-2.0
Aroclor-1260-4	7.106	7.008	7.208	468.410	500.000	-6.3
Aroclor-1260-5	7.348	7.249	7.449	461.330	500.000	-7.7
Decachlorobiphenyl	8.757	8.658	8.858	42.570	50.000	-14.9
Tetrachloro-m-xylene	3.698	3.600	3.800	53.450	50.000	6.9

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 01/31/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109344.D **Time Analyzed:** 22:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.780	4.703	4.903	566.450	500.000	13.3
Aroclor-1016-2	4.799	4.722	4.922	503.230	500.000	0.6
Aroclor-1016-3	4.975	4.898	5.098	532.710	500.000	6.5
Aroclor-1016-4	5.016	4.940	5.140	473.450	500.000	-5.3
Aroclor-1016-5	5.230	5.153	5.353	541.140	500.000	8.2
Aroclor-1260-1	6.264	6.186	6.386	528.710	500.000	5.7
Aroclor-1260-2	6.451	6.373	6.573	516.160	500.000	3.2
Aroclor-1260-3	6.605	6.527	6.727	505.880	500.000	1.2
Aroclor-1260-4	7.076	6.999	7.199	502.910	500.000	0.6
Aroclor-1260-5	7.316	7.239	7.439	497.040	500.000	-0.6
Decachlorobiphenyl	8.710	8.633	8.833	43.440	50.000	-13.1
Tetrachloro-m-xylene	3.696	3.618	3.818	55.700	50.000	11.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 22:43
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:27:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.698	3.696	403.9E6	298.6E6	53.450	55.699
2) SA	Decachlor...	8.757	8.710	294.9E6	149.4E6	42.566	43.437
	Target Compounds						
3) L1	AR-1016-1	4.792	4.780	134.2E6	91719058	531.742	566.454m
4) L1	AR-1016-2	4.811	4.799	184.1E6	119.9E6	533.888	503.235m
5) L1	AR-1016-3	4.867	4.975	127.7E6	69453395	522.953	532.709m
6) L1	AR-1016-4	4.988	5.016	100.4E6	52324857	525.955	473.449m
7) L1	AR-1016-5	5.246	5.230	116.5E6	77677174	557.919	541.142m
31) L7	AR-1260-1	6.288	6.264	192.6E6	133.3E6	505.436	528.715
32) L7	AR-1260-2	6.477	6.451	235.5E6	155.3E6	501.422	516.159
33) L7	AR-1260-3	6.846	6.605	191.9E6	140.8E6	490.002	505.876
34) L7	AR-1260-4	7.106	7.076	167.7E6	113.5E6	468.411	502.908m
35) L7	AR-1260-5	7.348	7.316	385.0E6	248.9E6	461.334	497.037

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 22:43
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

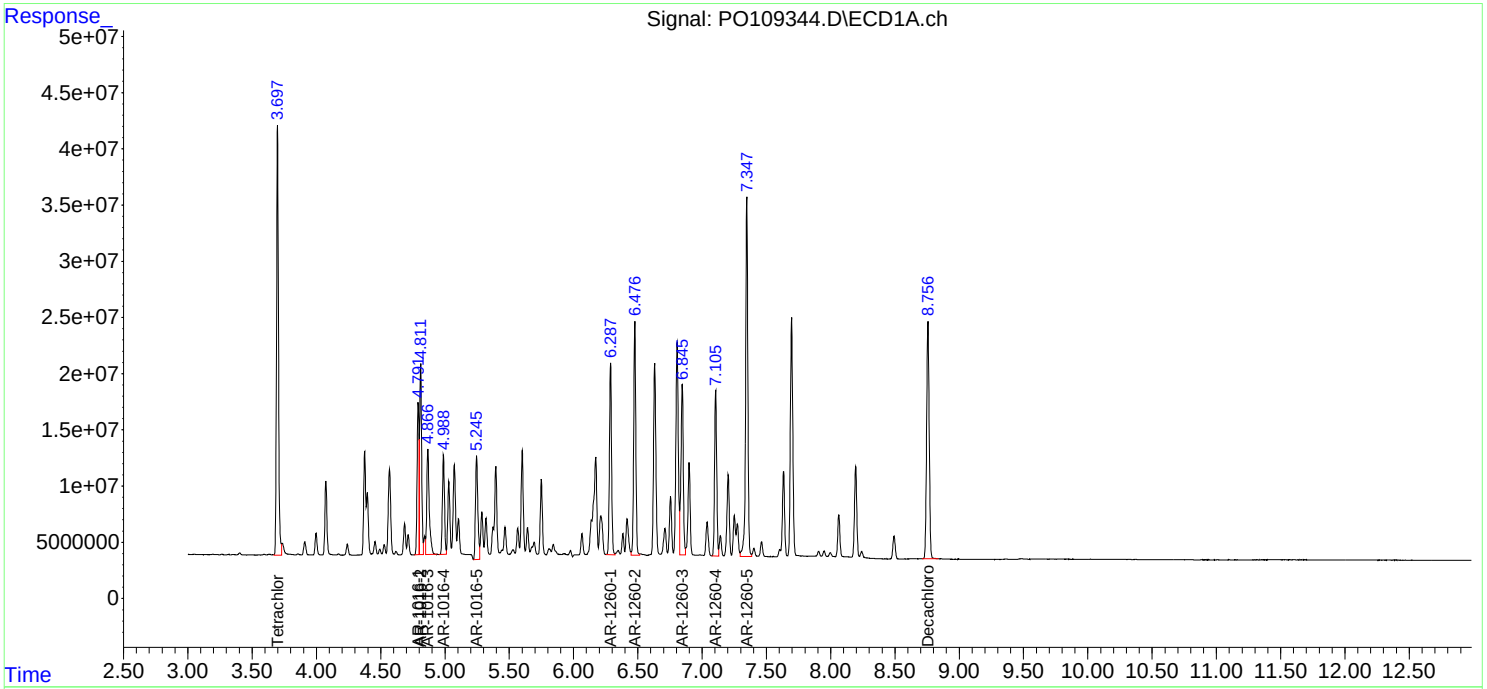
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

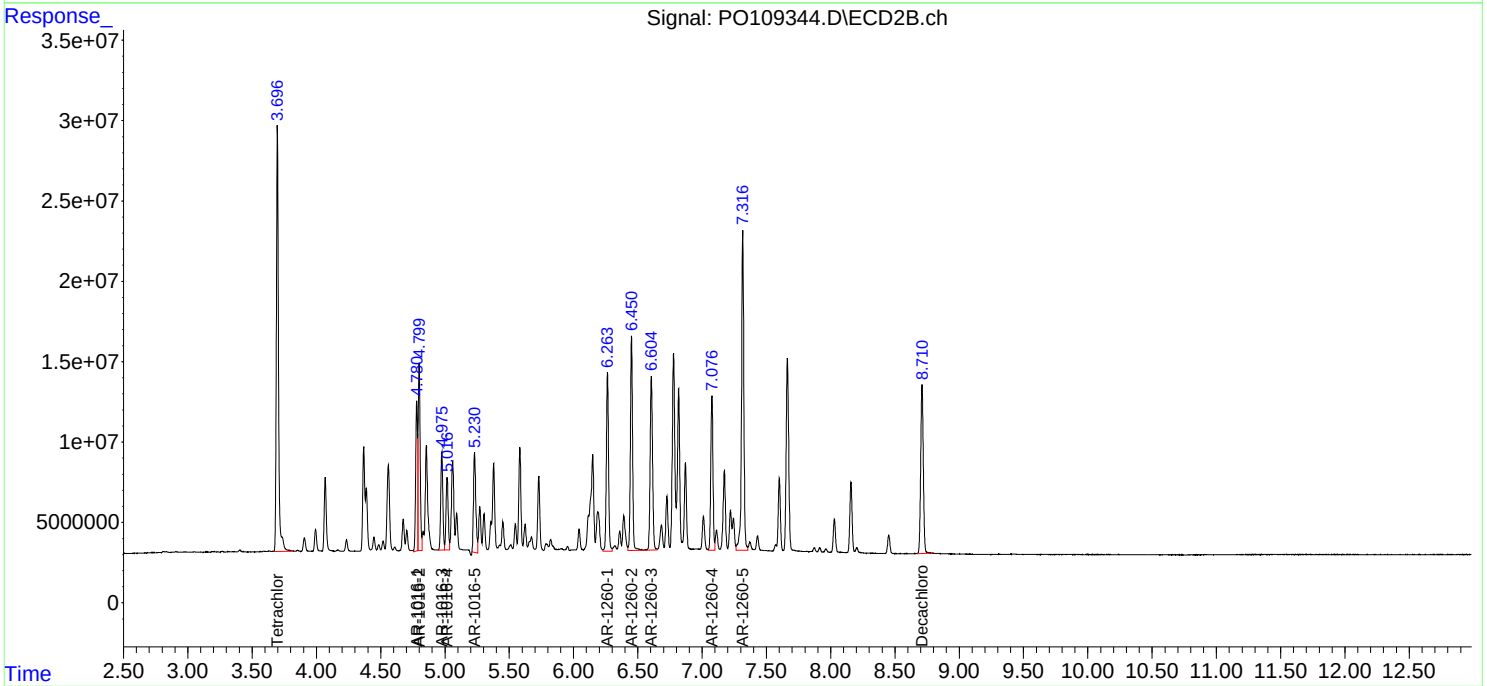
Manual Integrations APPROVED

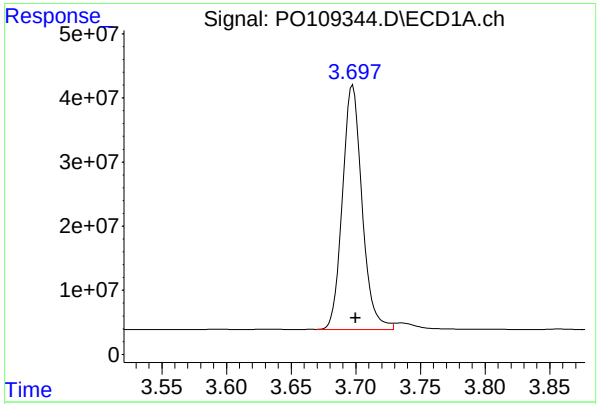
Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:27:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







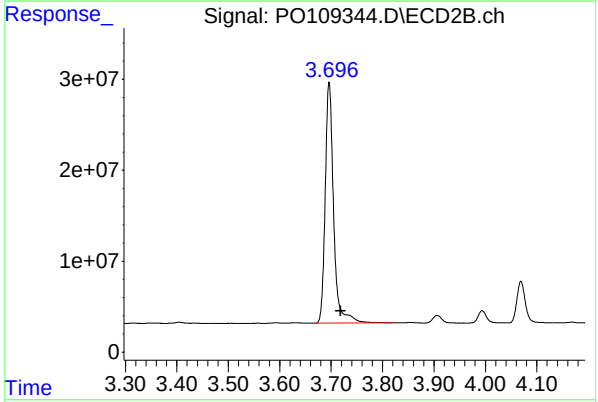
#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 403894486
Conc: 53.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

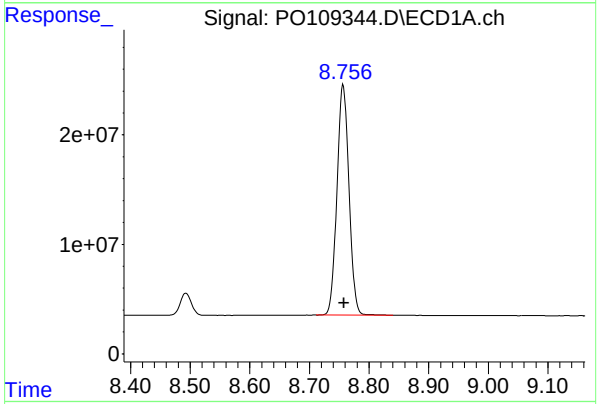
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



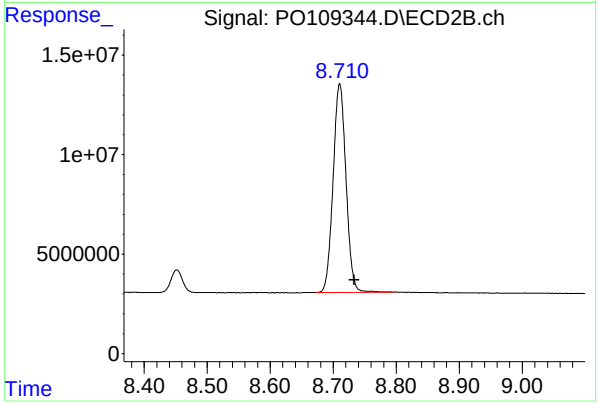
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 298565400
Conc: 55.70 ng/ml



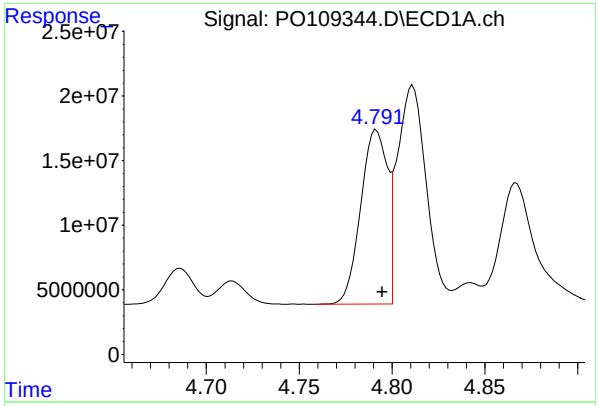
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: -0.001 min
Response: 294884356
Conc: 42.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.710 min
Delta R.T.: -0.023 min
Response: 149369507
Conc: 43.44 ng/ml



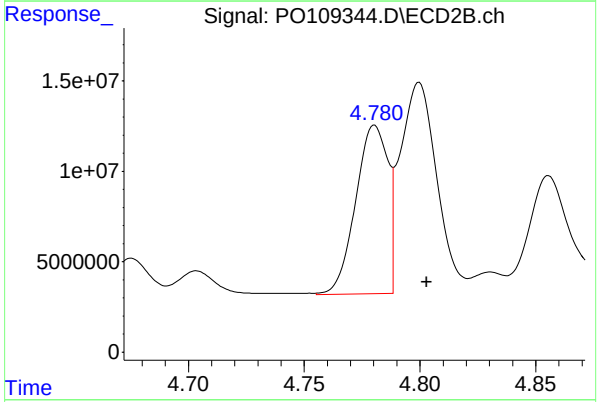
#3 AR-1016-1

R.T.: 4.792 min
Delta R.T.: -0.003 min
Response: 134151286
Conc: 531.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

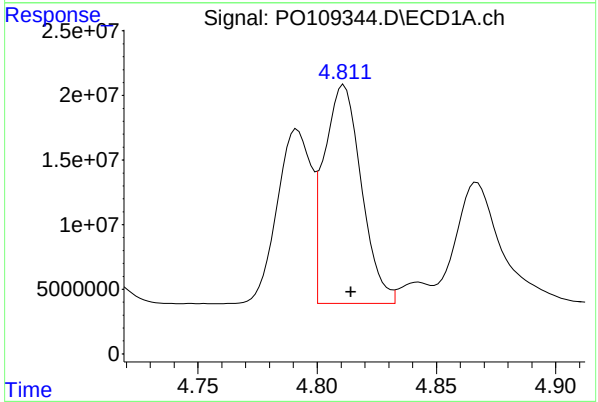
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



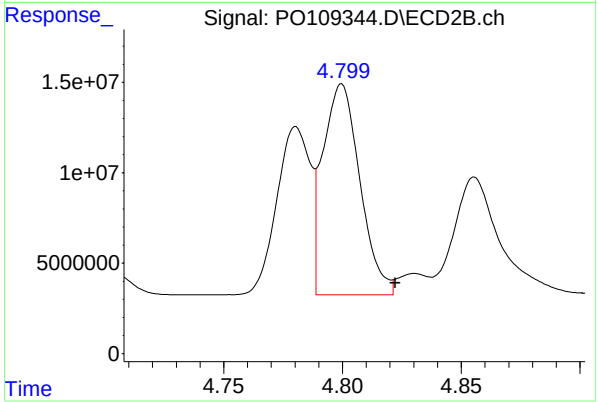
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: -0.023 min
Response: 91719058
Conc: 566.45 ng/ml m



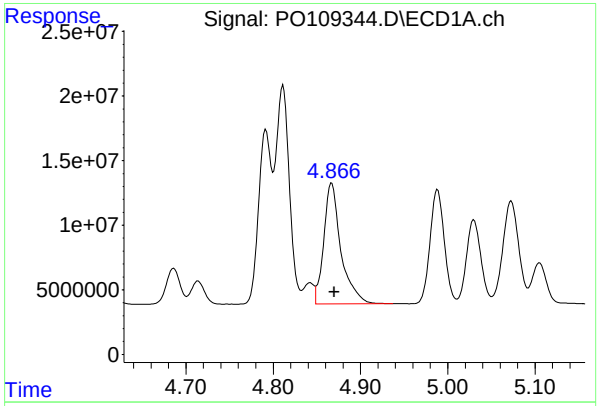
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: -0.003 min
Response: 184129747
Conc: 533.89 ng/ml



#4 AR-1016-2

R.T.: 4.799 min
Delta R.T.: -0.023 min
Response: 119888768
Conc: 503.23 ng/ml m



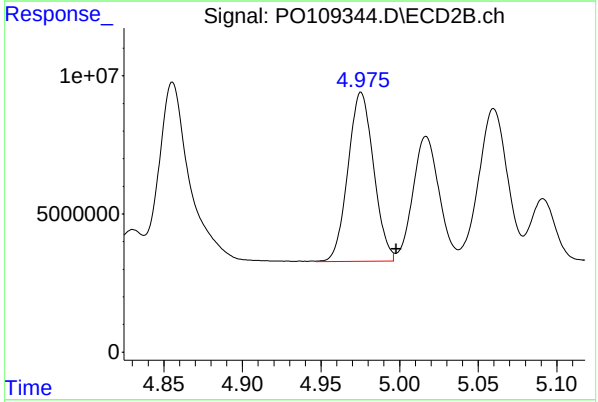
#5 AR-1016-3

R.T.: 4.867 min
Delta R.T.: -0.003 min
Response: 127661435
Conc: 522.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

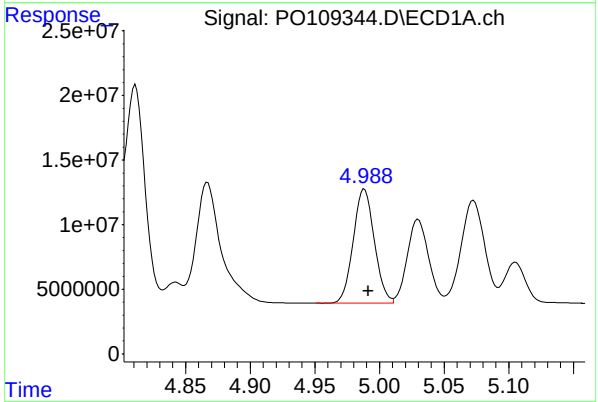
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



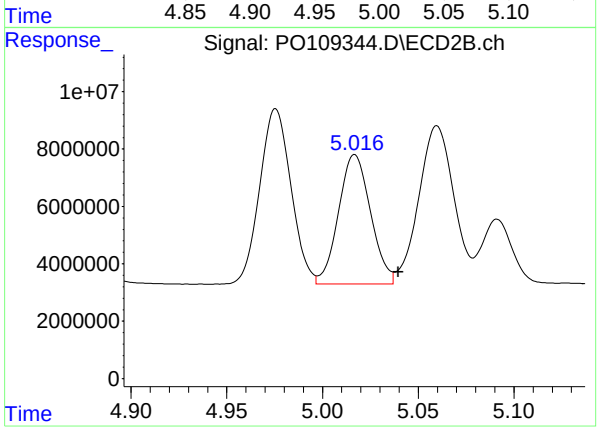
#5 AR-1016-3

R.T.: 4.975 min
Delta R.T.: -0.023 min
Response: 69453395
Conc: 532.71 ng/ml m



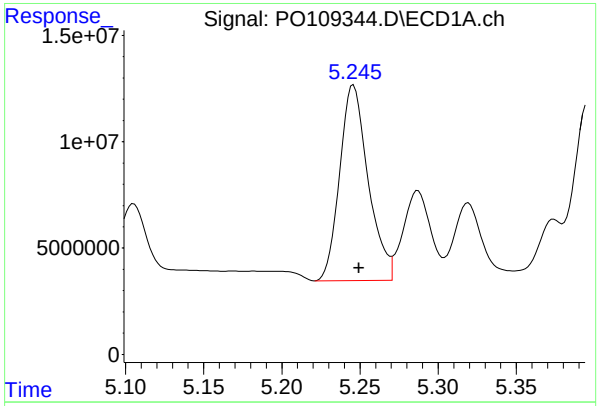
#6 AR-1016-4

R.T.: 4.988 min
Delta R.T.: -0.003 min
Response: 100367606
Conc: 525.96 ng/ml



#6 AR-1016-4

R.T.: 5.016 min
Delta R.T.: -0.023 min
Response: 52324857
Conc: 473.45 ng/ml m



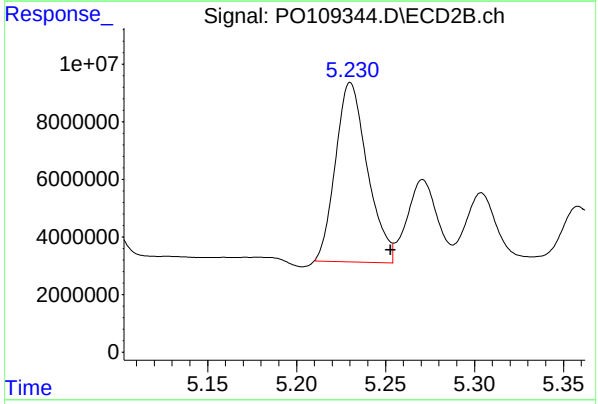
#7 AR-1016-5

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 116471960
Conc: 557.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

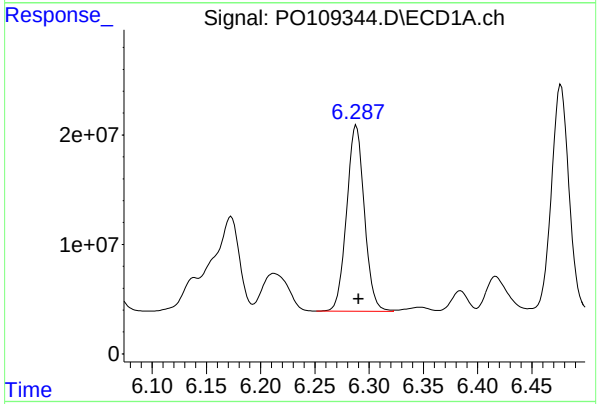
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



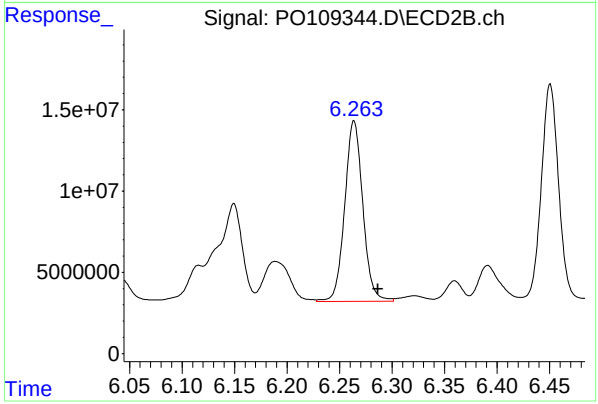
#7 AR-1016-5

R.T.: 5.230 min
Delta R.T.: -0.023 min
Response: 77677174
Conc: 541.14 ng/ml m



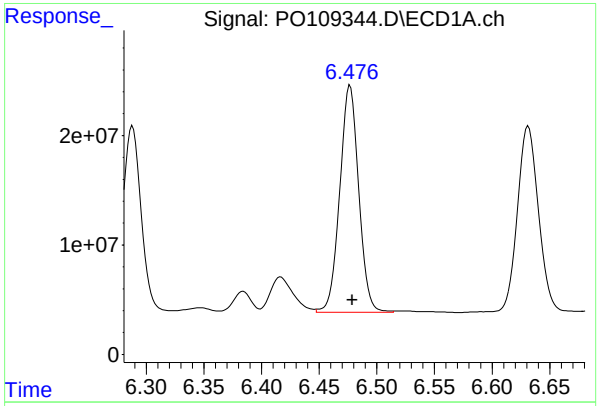
#31 AR-1260-1

R.T.: 6.288 min
Delta R.T.: -0.002 min
Response: 192649724
Conc: 505.44 ng/ml



#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: -0.023 min
Response: 133261998
Conc: 528.71 ng/ml



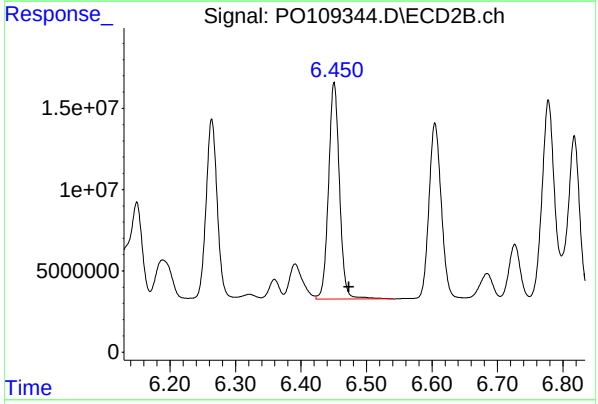
#32 AR-1260-2

R.T.: 6.477 min
Delta R.T.: -0.002 min
Response: 235458168
Conc: 501.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

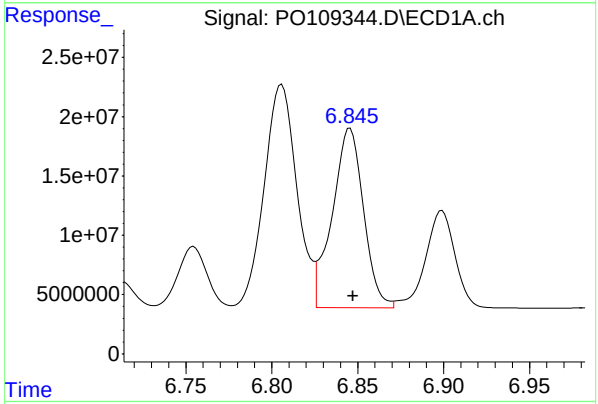
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



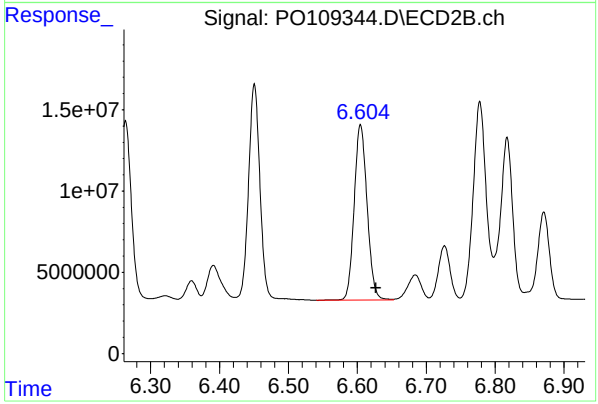
#32 AR-1260-2

R.T.: 6.451 min
Delta R.T.: -0.023 min
Response: 155263021
Conc: 516.16 ng/ml



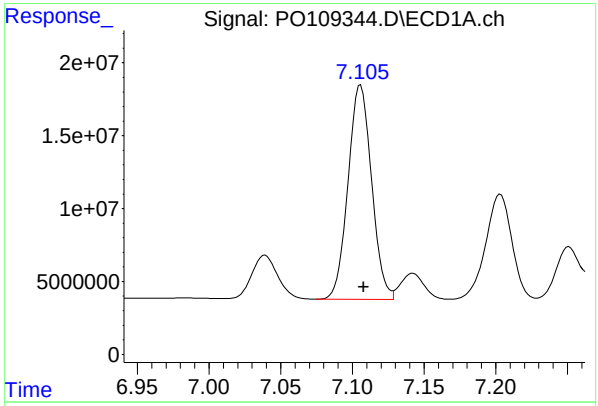
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: -0.002 min
Response: 191866267
Conc: 490.00 ng/ml



#33 AR-1260-3

R.T.: 6.605 min
Delta R.T.: -0.022 min
Response: 140828819
Conc: 505.88 ng/ml



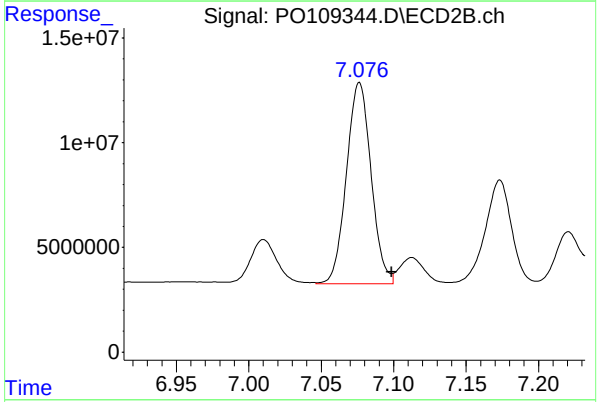
#34 AR-1260-4

R.T.: 7.106 min
Delta R.T.: -0.002 mi
Response: 167671251
Conc: 468.41 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

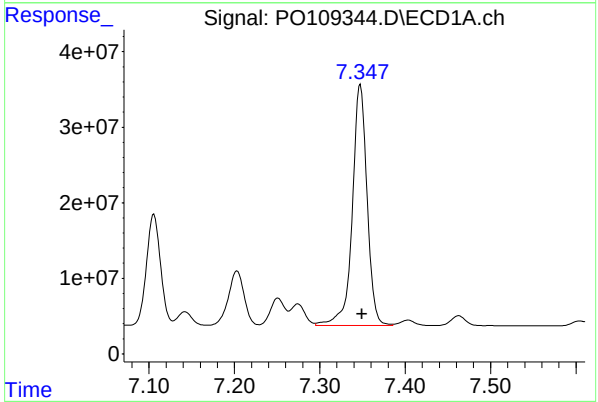
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



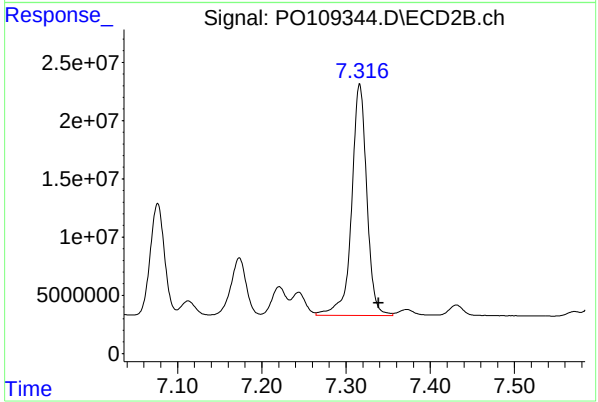
#34 AR-1260-4

R.T.: 7.076 min
Delta R.T.: -0.023 min
Response: 113481714
Conc: 502.91 ng/ml m



#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: -0.002 min
Response: 385027418
Conc: 461.33 ng/ml



#35 AR-1260-5

R.T.: 7.316 min
Delta R.T.: -0.023 min
Response: 248856429
Conc: 497.04 ng/ml

Raw Data: **PO109364.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 06:43 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

Raw Data: **PO109364.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 06:43 **Initial Calibration Time(s):** 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.03
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.26	6.29	6.19	6.39	0.03
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.60	6.63	6.53	6.73	0.03
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.03
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.72	3.62	3.82	0.03
Decachlorobiphenyl		8.71	8.73	8.63	8.83	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/01/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109364.D **Time Analyzed:** 06:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.793	4.695	4.895	524.500	500.000	4.9
Aroclor-1016-2	4.812	4.714	4.914	530.300	500.000	6.1
Aroclor-1016-3	4.868	4.770	4.970	516.520	500.000	3.3
Aroclor-1016-4	4.989	4.891	5.091	516.180	500.000	3.2
Aroclor-1016-5	5.247	5.149	5.349	540.580	500.000	8.1
Aroclor-1260-1	6.289	6.190	6.390	422.370	500.000	-15.5
Aroclor-1260-2	6.478	6.379	6.579	408.310	500.000	-18.3
Aroclor-1260-3	6.847	6.747	6.947	379.480	500.000	-24.1
Aroclor-1260-4	7.107	7.008	7.208	388.000	500.000	-22.4
Aroclor-1260-5	7.348	7.249	7.449	382.060	500.000	-23.6
Decachlorobiphenyl	8.757	8.658	8.858	33.880	50.000	-32.2
Tetrachloro-m-xylene	3.698	3.600	3.800	53.260	50.000	6.5

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/01/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109364.D **Time Analyzed:** 06:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.778	4.703	4.903	566.230	500.000	13.2
Aroclor-1016-2	4.798	4.722	4.922	529.800	500.000	6.0
Aroclor-1016-3	4.973	4.898	5.098	549.850	500.000	10.0
Aroclor-1016-4	5.015	4.940	5.140	471.870	500.000	-5.6
Aroclor-1016-5	5.229	5.153	5.353	533.700	500.000	6.7
Aroclor-1260-1	6.262	6.186	6.386	485.550	500.000	-2.9
Aroclor-1260-2	6.450	6.373	6.573	458.810	500.000	-8.2
Aroclor-1260-3	6.604	6.527	6.727	431.070	500.000	-13.8
Aroclor-1260-4	7.075	6.999	7.199	405.070	500.000	-19.0
Aroclor-1260-5	7.316	7.239	7.439	399.550	500.000	-20.1
Decachlorobiphenyl	8.709	8.633	8.833	37.230	50.000	-25.5
Tetrachloro-m-xylene	3.695	3.618	3.818	55.990	50.000	12.0

Sample Results: **PO109364.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 06:43
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 07:09:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	402.5E6	300.1E6	53.263	55.992
2)	SA Decachlor...	8.757	8.709	234.7E6	128.0E6	33.883	37.233
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.778	132.3E6	91683582	524.505	566.235m
4)	L1 AR-1016-2	4.812	4.798	182.9E6	126.2E6	530.297	529.801m
5)	L1 AR-1016-3	4.868	4.973	126.1E6	71688481	516.525	549.852m
6)	L1 AR-1016-4	4.989	5.015	98501715	52150871	516.177	471.874m
7)	L1 AR-1016-5	5.247	5.229	112.9E6	76609574	540.583	533.705m
31)	L7 AR-1260-1	6.289	6.262	161.0E6	122.4E6	422.371	485.551
32)	L7 AR-1260-2	6.478	6.450	191.7E6	138.0E6	408.305	458.815
33)	L7 AR-1260-3	6.847	6.604	148.6E6	120.0E6	379.484	431.071
34)	L7 AR-1260-4	7.107	7.075	138.9E6	91405588	388.005	405.075m
35)	L7 AR-1260-5	7.348	7.316	318.9E6	200.0E6	382.063	399.545

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 06:43
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

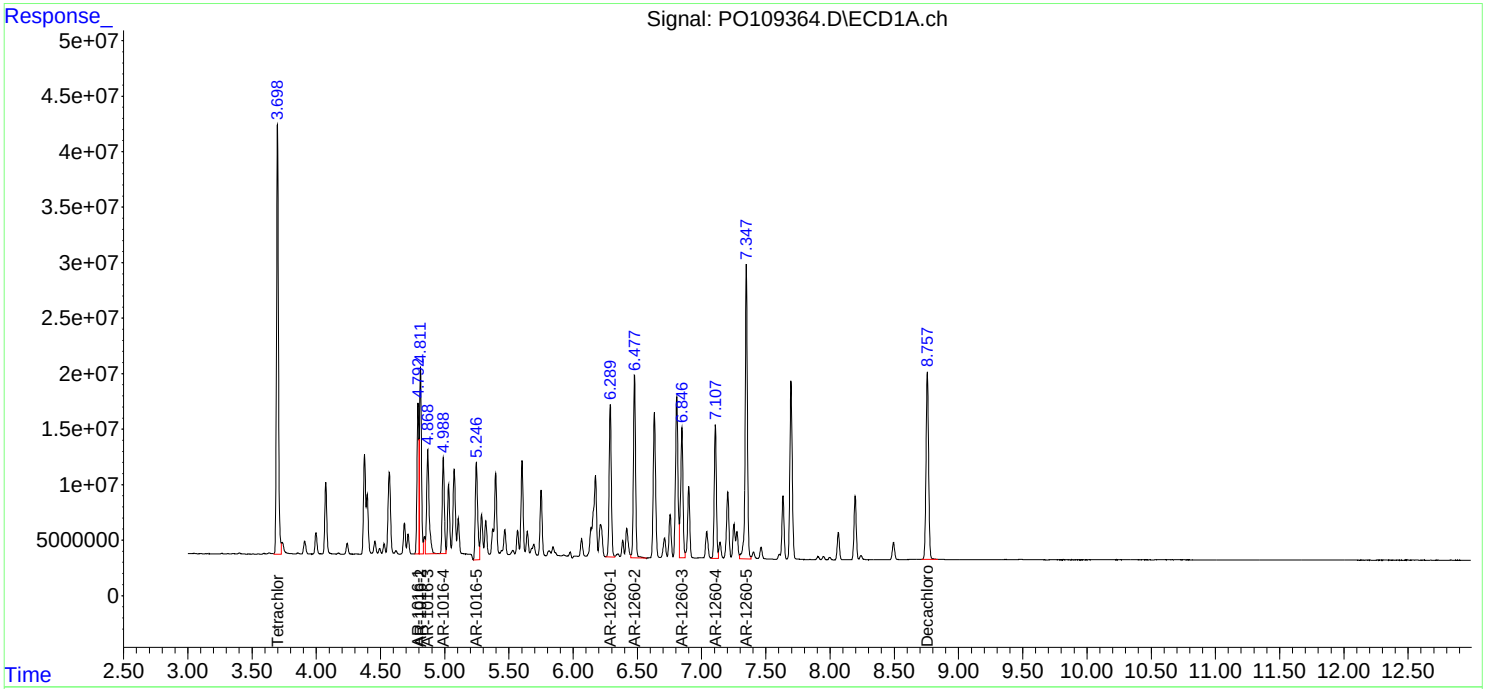
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

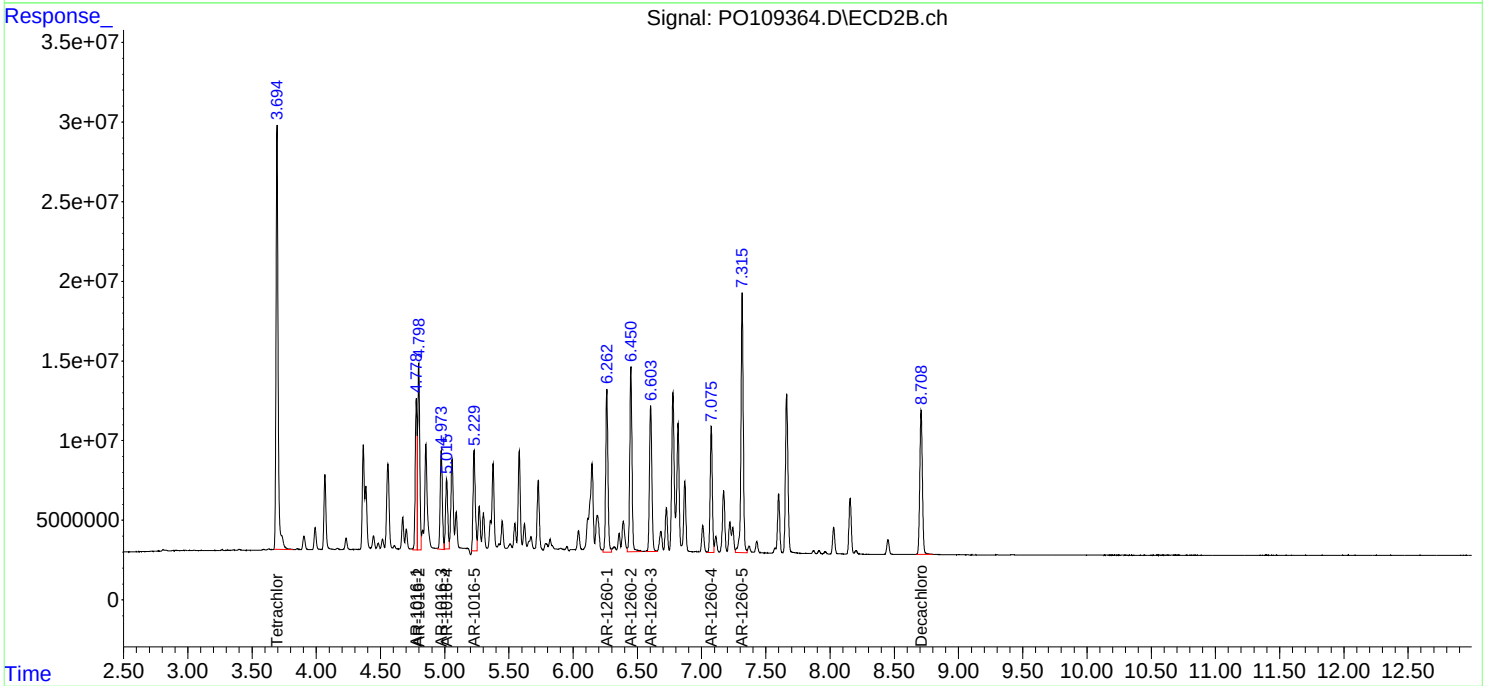
Manual Integrations APPROVED

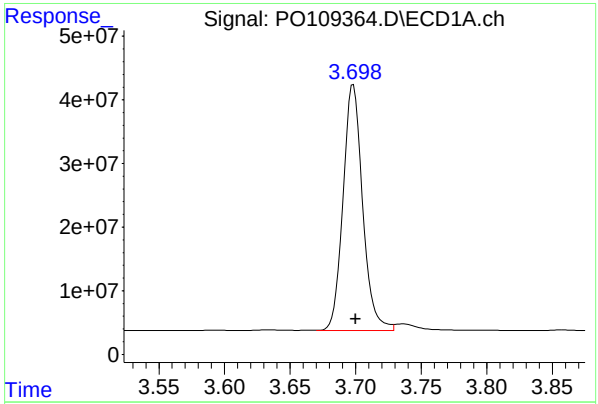
Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 07:09:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 402476042
Conc: 53.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

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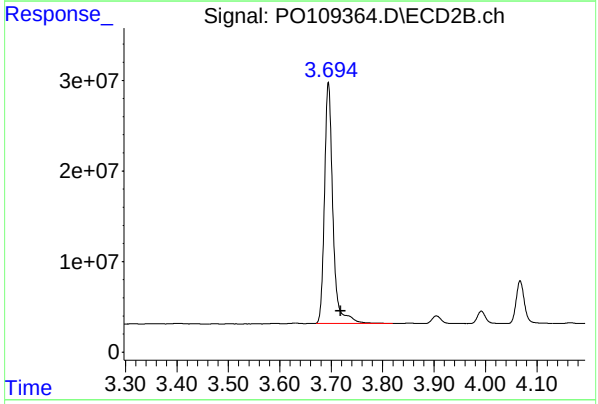
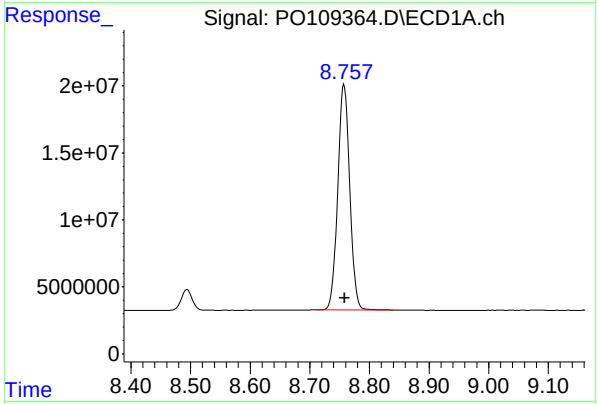


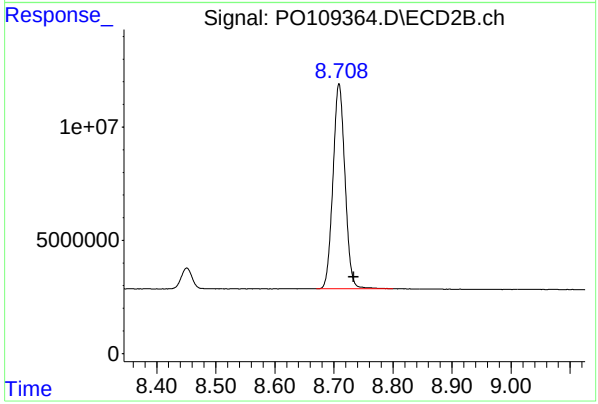
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: -0.024 min
Response: 300135110
Conc: 55.99 ng/ml



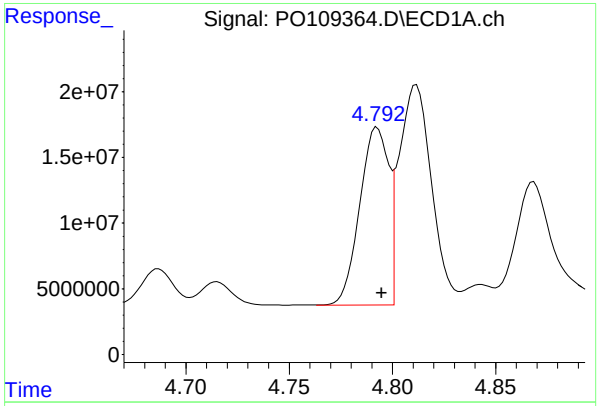
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 234735134
Conc: 33.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: -0.024 min
Response: 128035567
Conc: 37.23 ng/ml



#3 AR-1016-1

R.T.: 4.793 min
Delta R.T.: -0.002 mi
Response: 132325441
Conc: 524.50 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

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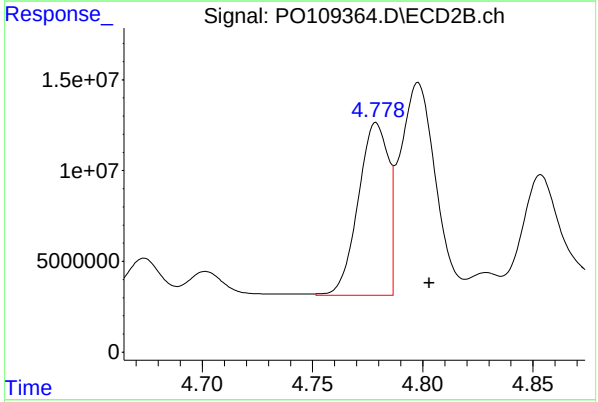
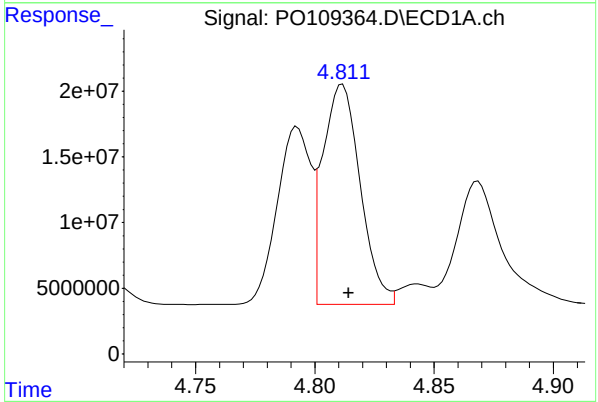


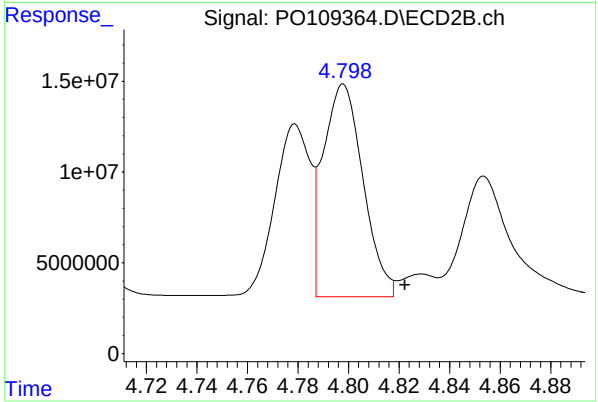
#3 AR-1016-1

R.T.: 4.778 min
Delta R.T.: -0.025 min
Response: 91683582
Conc: 566.23 ng/ml m



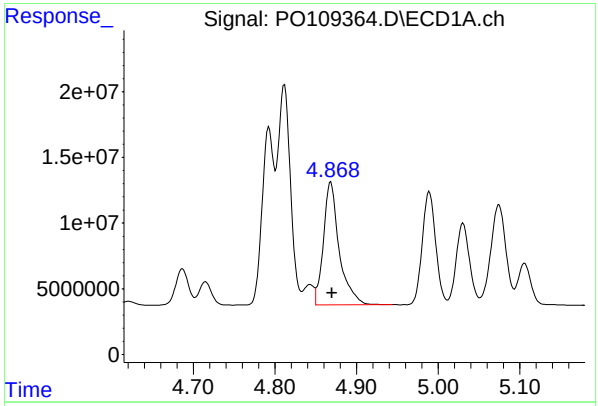
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: -0.003 min
Response: 182891428
Conc: 530.30 ng/ml



#4 AR-1016-2

R.T.: 4.798 min
Delta R.T.: -0.025 min
Response: 126217689
Conc: 529.80 ng/ml m



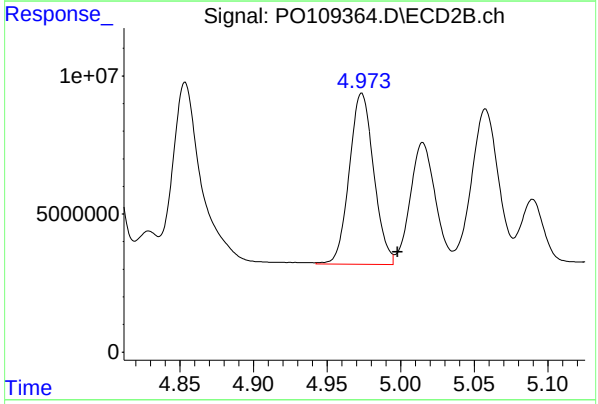
#5 AR-1016-3

R.T.: 4.868 min
Delta R.T.: -0.002 mi
Response: 126092230
Conc: 516.52 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

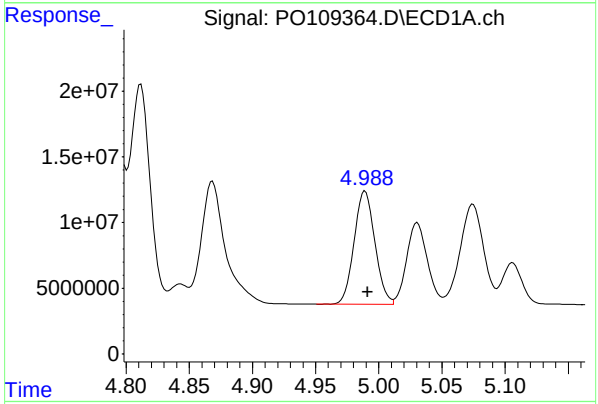
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



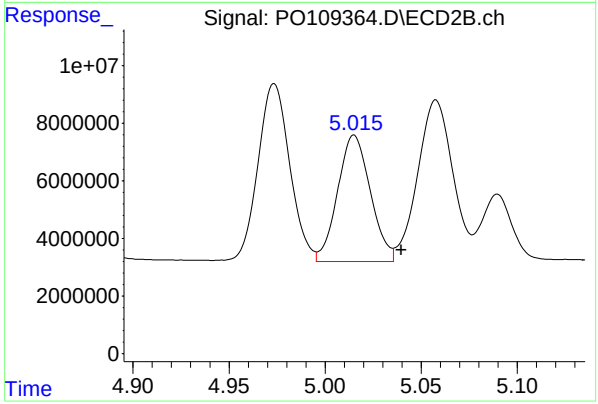
#5 AR-1016-3

R.T.: 4.973 min
Delta R.T.: -0.025 min
Response: 71688481
Conc: 549.85 ng/ml m



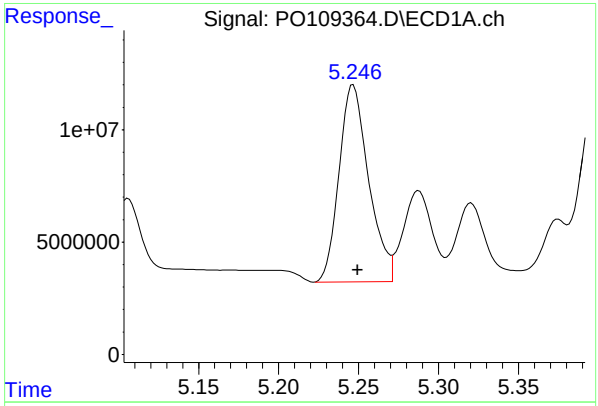
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: -0.002 min
Response: 98501715
Conc: 516.18 ng/ml



#6 AR-1016-4

R.T.: 5.015 min
Delta R.T.: -0.025 min
Response: 52150871
Conc: 471.87 ng/ml m



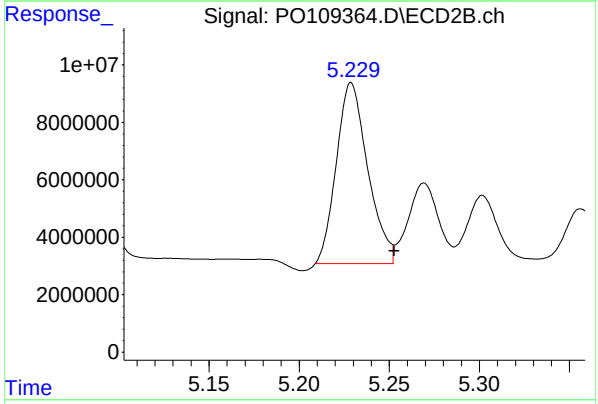
#7 AR-1016-5

R.T.: 5.247 min
Delta R.T.: -0.003 mi
Response: 112852999
Conc: 540.58 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

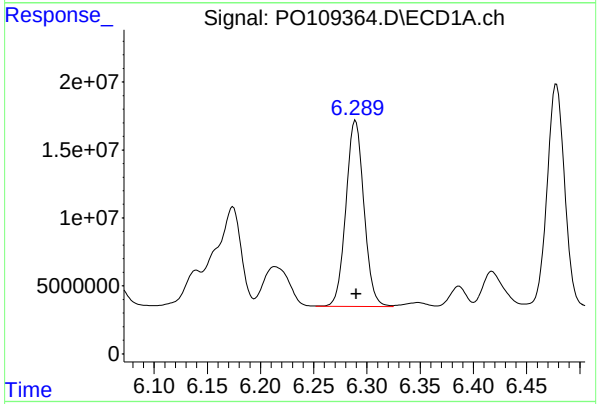
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



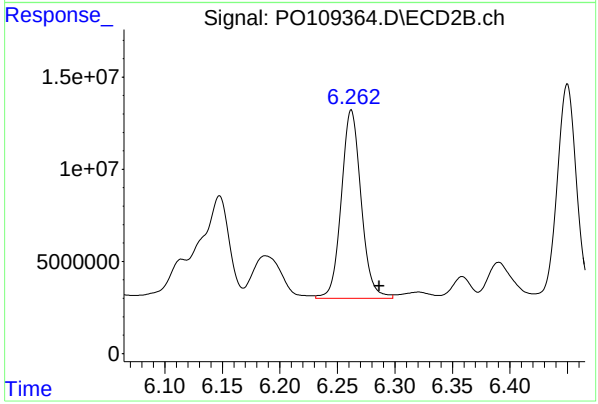
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: -0.024 min
Response: 76609574
Conc: 533.70 ng/ml m



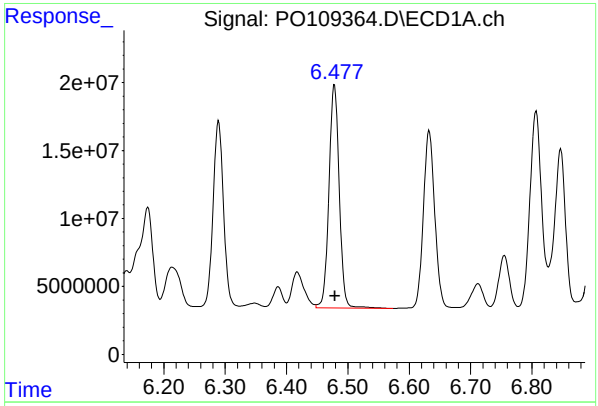
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: 0.000 min
Response: 160989166
Conc: 422.37 ng/ml



#31 AR-1260-1

R.T.: 6.262 min
Delta R.T.: -0.024 min
Response: 122382498
Conc: 485.55 ng/ml



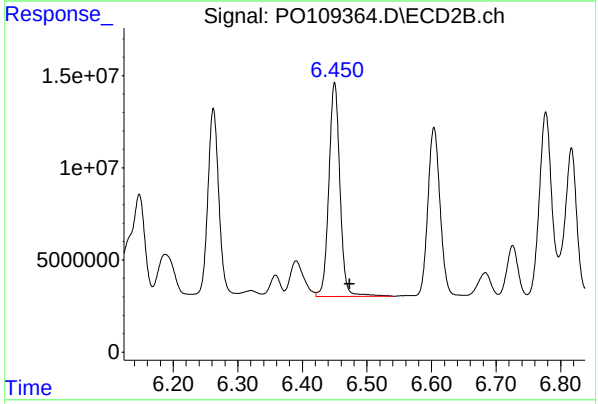
#32 AR-1260-2

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 191732173
Conc: 408.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

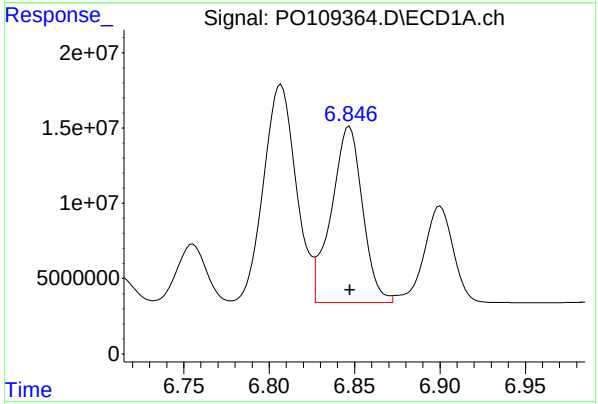
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



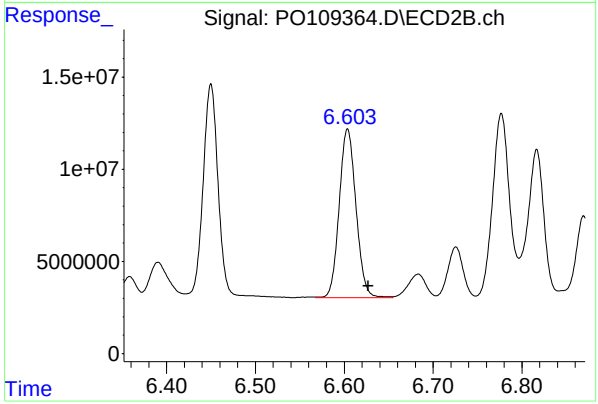
#32 AR-1260-2

R.T.: 6.450 min
Delta R.T.: -0.023 min
Response: 138013607
Conc: 458.81 ng/ml



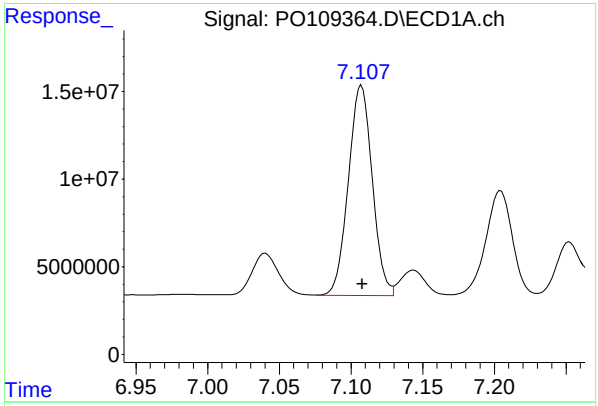
#33 AR-1260-3

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 148591564
Conc: 379.48 ng/ml



#33 AR-1260-3

R.T.: 6.604 min
Delta R.T.: -0.023 min
Response: 120004057
Conc: 431.07 ng/ml



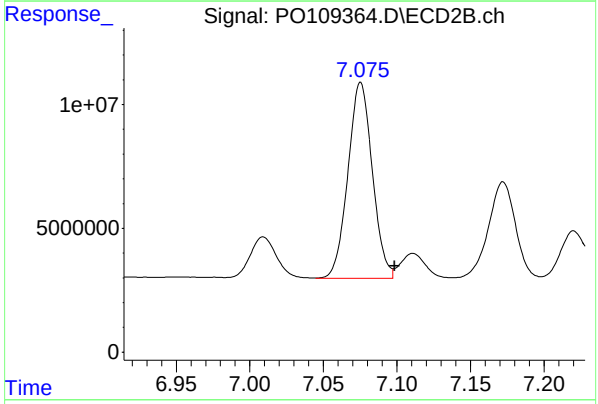
#34 AR-1260-4

R.T.: 7.107 min
Delta R.T.: 0.000 mi
Response: 138889268
Conc: 388.00 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

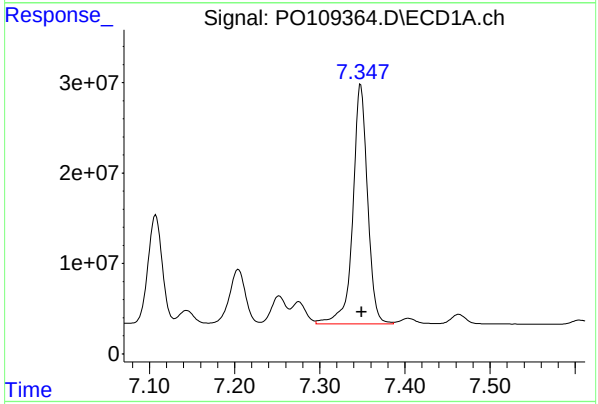
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



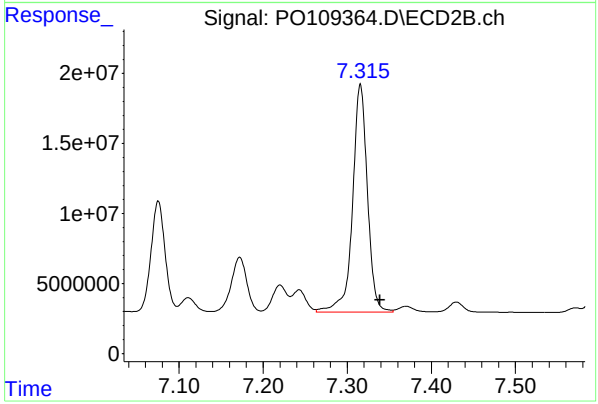
#34 AR-1260-4

R.T.: 7.075 min
Delta R.T.: -0.024 min
Response: 91405588
Conc: 405.07 ng/ml m



#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: -0.001 min
Response: 318868477
Conc: 382.06 ng/ml



#35 AR-1260-5

R.T.: 7.316 min
Delta R.T.: -0.023 min
Response: 200044418
Conc: 399.55 ng/ml

Raw Data: **PO109405.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 02/03/2025 02/04/2025

Continuing Calib Time: 08:32 **Initial Calibration Time(s):** 18:17 02:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

Raw Data: **PO109405.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 02/03/2025 02/04/2025

Continuing Calib Time: 08:32 **Initial Calibration Time(s):** 18:17 02:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.02	5.02	4.92	5.12	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.45	6.45	6.35	6.55	0.00
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.08	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.32	7.31	7.21	7.41	-0.01
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.00

Raw Data: **PO109405.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/03/2025 02/03/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109405.D **Time Analyzed:** 08:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.793	4.693	4.893	537.250	500.000	7.5
Aroclor-1016-2	4.812	4.713	4.913	540.650	500.000	8.1
Aroclor-1016-3	4.869	4.769	4.969	539.300	500.000	7.9
Aroclor-1016-4	4.989	4.890	5.090	535.140	500.000	7.0
Aroclor-1016-5	5.247	5.148	5.348	541.600	500.000	8.3
Aroclor-1260-1	6.289	6.190	6.390	541.930	500.000	8.4
Aroclor-1260-2	6.478	6.378	6.578	536.860	500.000	7.4
Aroclor-1260-3	6.846	6.747	6.947	540.560	500.000	8.1
Aroclor-1260-4	7.107	7.007	7.207	536.910	500.000	7.4
Aroclor-1260-5	7.349	7.249	7.449	544.100	500.000	8.8
Decachlorobiphenyl	8.758	8.658	8.858	50.980	50.000	2.0
Tetrachloro-m-xylene	3.698	3.599	3.799	55.560	50.000	11.1

Raw Data: **PO109405.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/03/2025 02/03/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109405.D **Time Analyzed:** 08:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.779	4.679	4.879	514.180	500.000	2.8
Aroclor-1016-2	4.798	4.698	4.898	520.680	500.000	4.1
Aroclor-1016-3	4.974	4.874	5.074	516.610	500.000	3.3
Aroclor-1016-4	5.016	4.915	5.115	509.250	500.000	1.9
Aroclor-1016-5	5.229	5.129	5.329	521.880	500.000	4.4
Aroclor-1260-1	6.262	6.162	6.362	517.160	500.000	3.4
Aroclor-1260-2	6.449	6.349	6.549	519.610	500.000	3.9
Aroclor-1260-3	6.603	6.503	6.703	494.810	500.000	-1.0
Aroclor-1260-4	7.075	6.974	7.174	511.430	500.000	2.3
Aroclor-1260-5	7.315	7.214	7.414	516.330	500.000	3.3
Decachlorobiphenyl	8.708	8.607	8.807	54.160	50.000	8.3
Tetrachloro-m-xylene	3.695	3.595	3.795	52.840	50.000	5.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:32
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:43:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.698	3.695	421.1E6	282.2E6	55.558	52.839
2)	SA Decachlor...	8.758	8.708	330.4E6	168.8E6	50.976	54.164
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.779	137.2E6	86332970	537.245	514.184
4)	L1 AR-1016-2	4.812	4.798	185.2E6	120.8E6	540.652	520.678
5)	L1 AR-1016-3	4.869	4.974	130.8E6	66130751	539.302	516.610
6)	L1 AR-1016-4	4.989	5.016	102.8E6	55911593	535.144	509.255
7)	L1 AR-1016-5	5.247	5.229	111.2E6	73208922	541.598	521.883
31)	L7 AR-1260-1	6.289	6.262	202.3E6	127.8E6	541.929	517.164
32)	L7 AR-1260-2	6.478	6.449	246.0E6	151.8E6	536.855	519.611
33)	L7 AR-1260-3	6.846	6.603	207.0E6	140.7E6	540.557	494.811
34)	L7 AR-1260-4	7.107	7.075	188.0E6	112.6E6	536.909	511.428
35)	L7 AR-1260-5	7.349	7.315	443.8E6	253.4E6	544.101	516.332

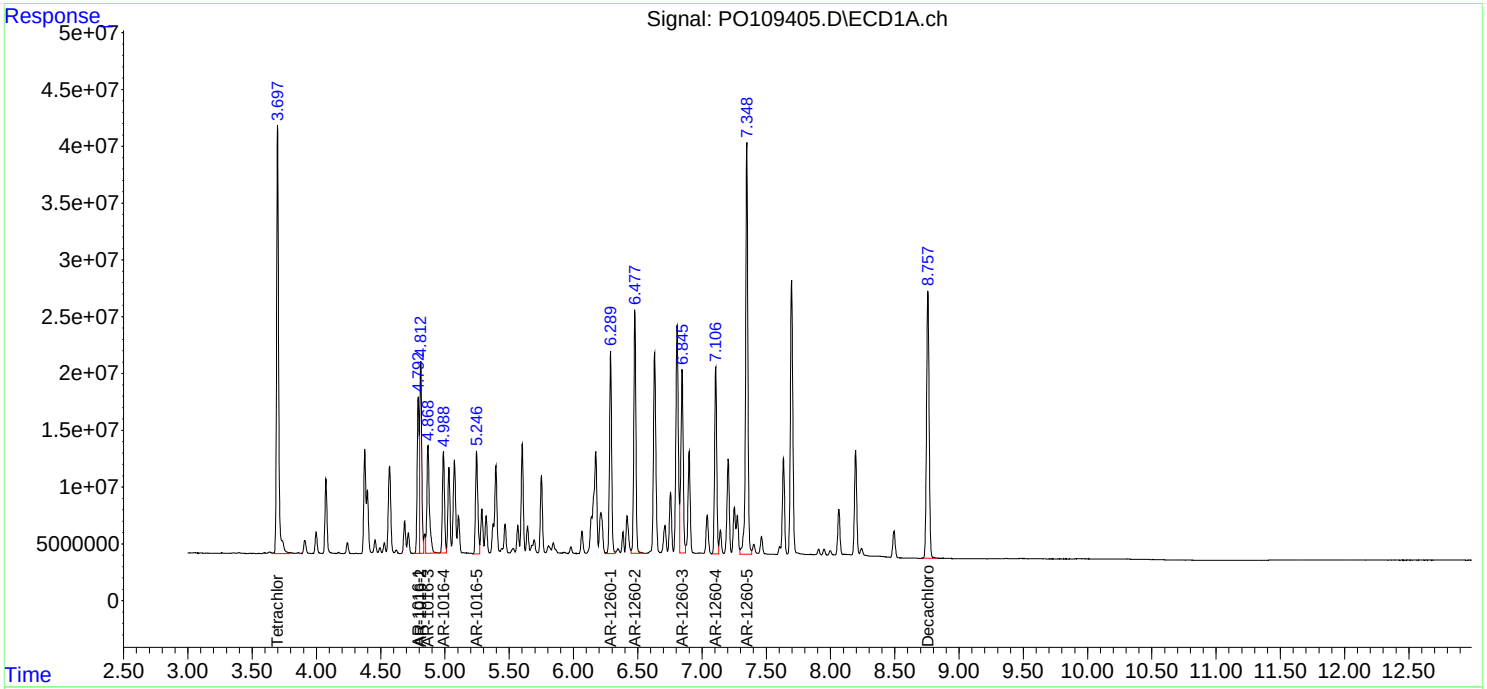
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

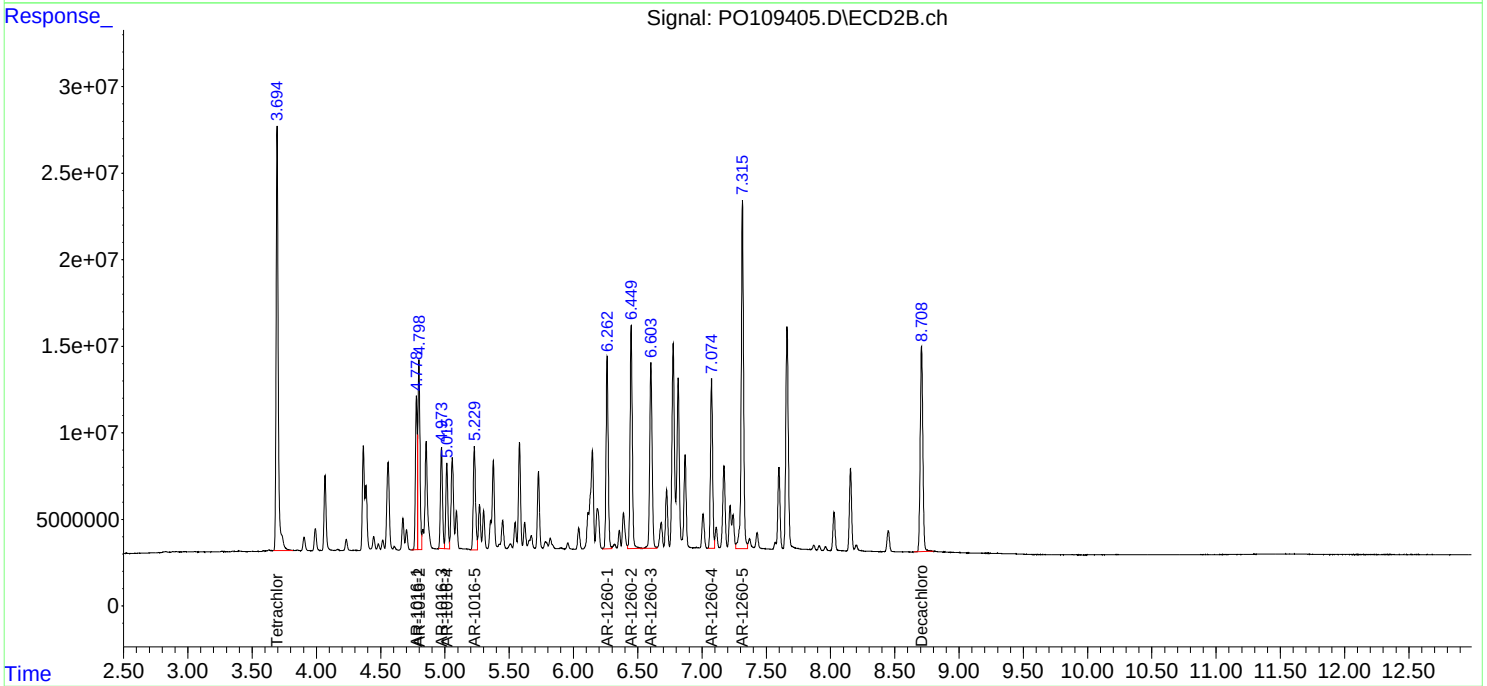
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:32
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

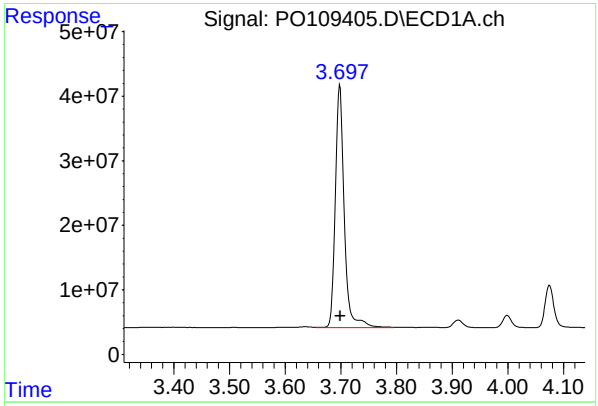
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:43:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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



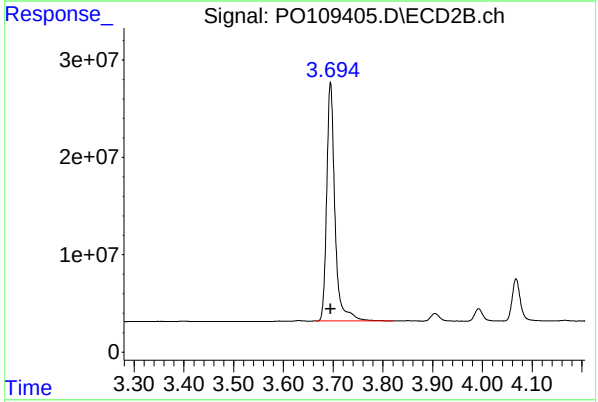




#1 Tetrachloro-m-xylene

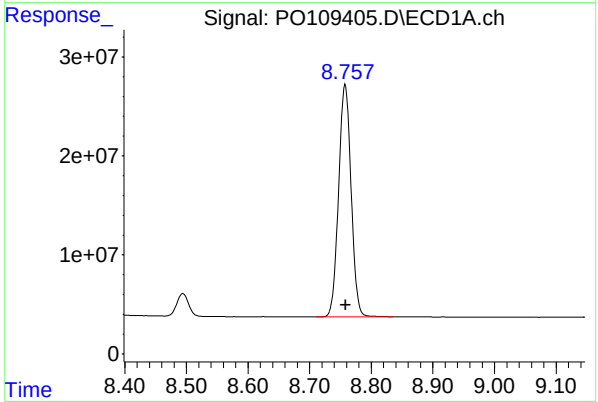
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 421065637
Conc: 55.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



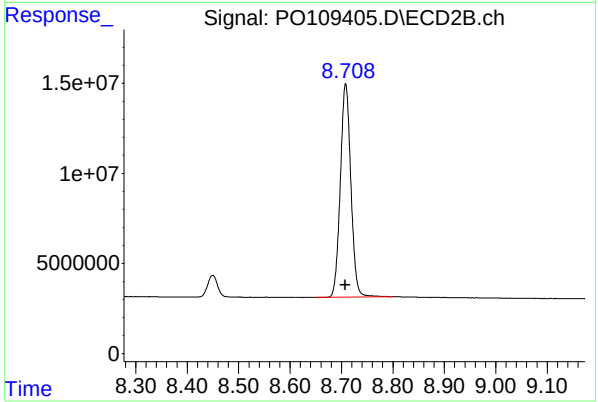
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 282204920
Conc: 52.84 ng/ml



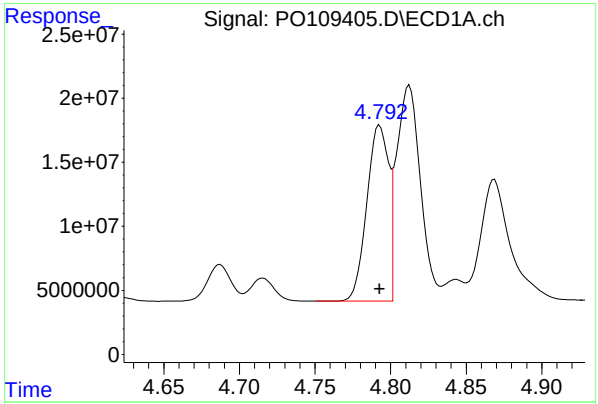
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 330384626
Conc: 50.98 ng/ml



#2 Decachlorobiphenyl

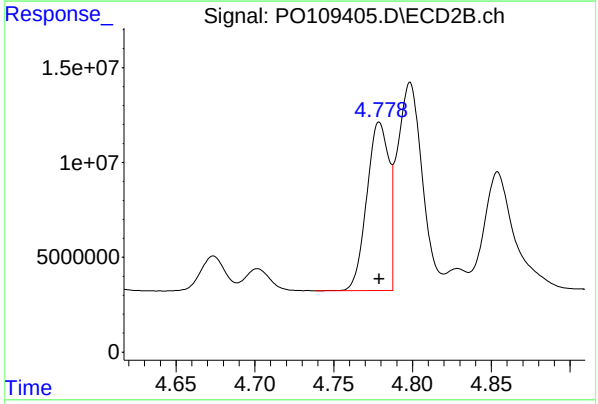
R.T.: 8.708 min
Delta R.T.: 0.001 min
Response: 168791385
Conc: 54.16 ng/ml



#3 AR-1016-1

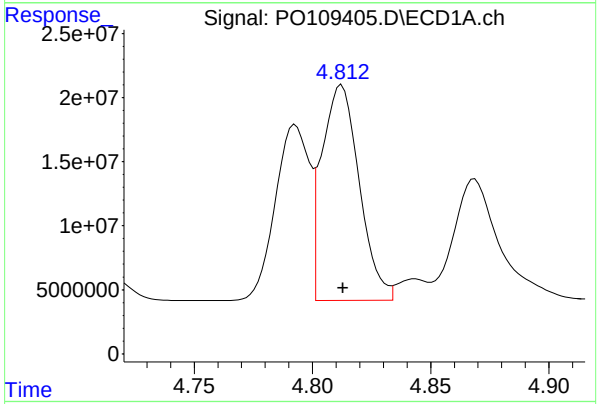
R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 137150938
Conc: 537.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



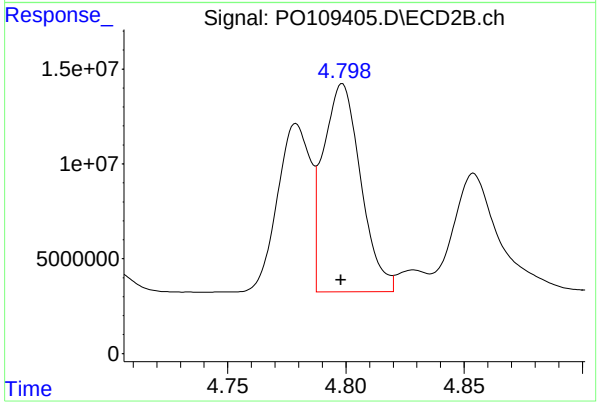
#3 AR-1016-1

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 86332970
Conc: 514.18 ng/ml



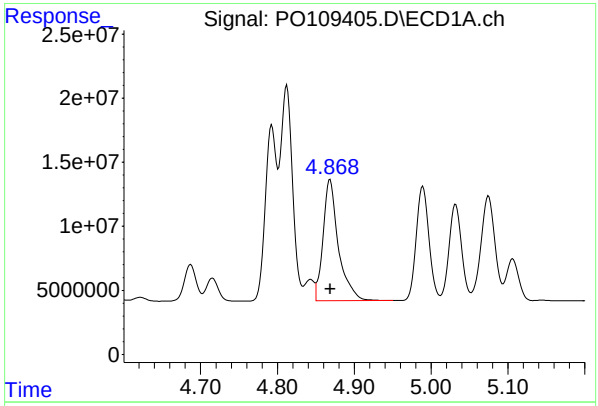
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 185163486
Conc: 540.65 ng/ml



#4 AR-1016-2

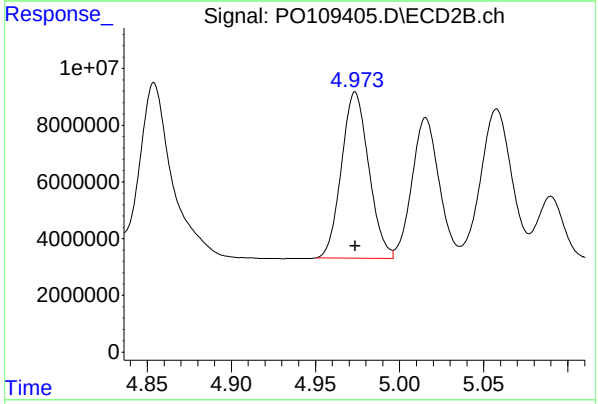
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 120827694
Conc: 520.68 ng/ml



#5 AR-1016-3

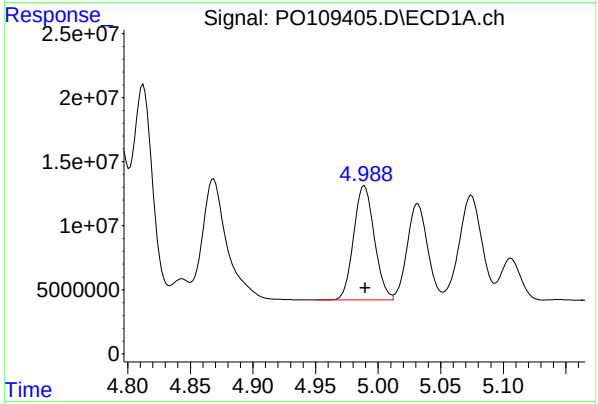
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 130765142
Conc: 539.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



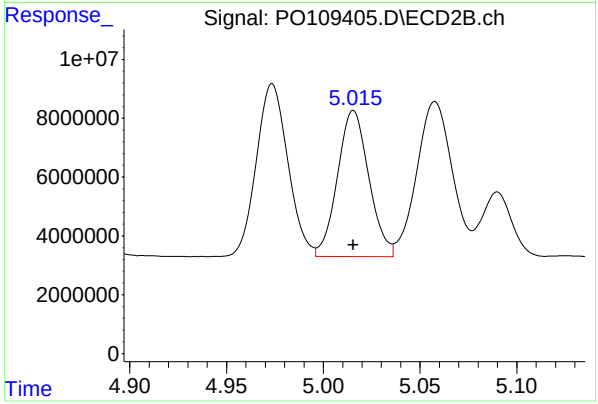
#5 AR-1016-3

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 66130751
Conc: 516.61 ng/ml



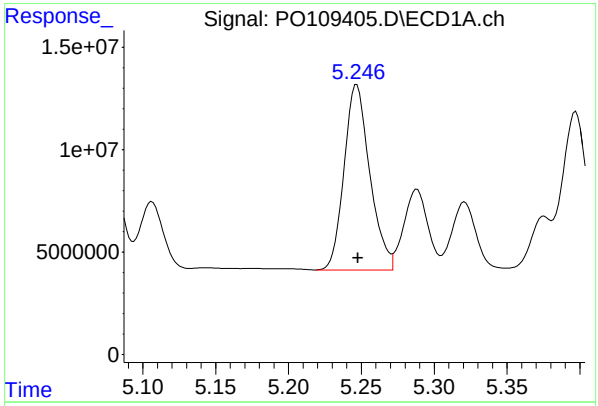
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 102809048
Conc: 535.14 ng/ml



#6 AR-1016-4

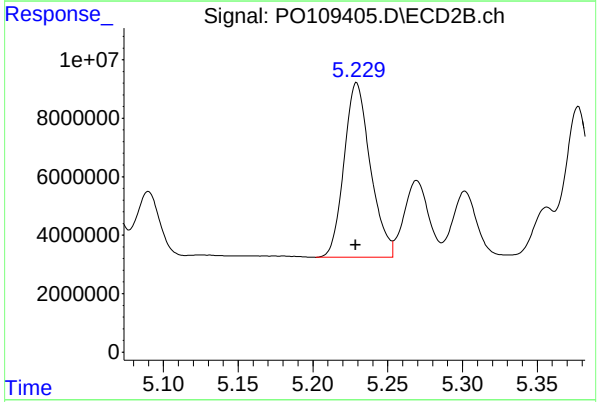
R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 55911593
Conc: 509.25 ng/ml



#7 AR-1016-5

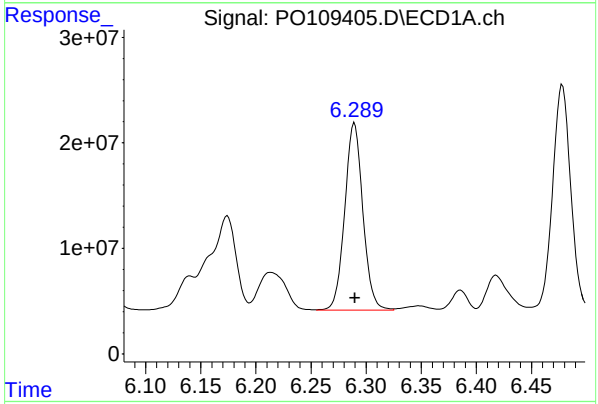
R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 111226748
Conc: 541.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



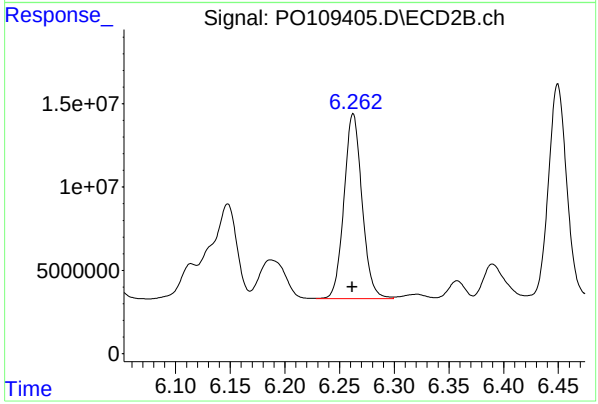
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 73208922
Conc: 521.88 ng/ml



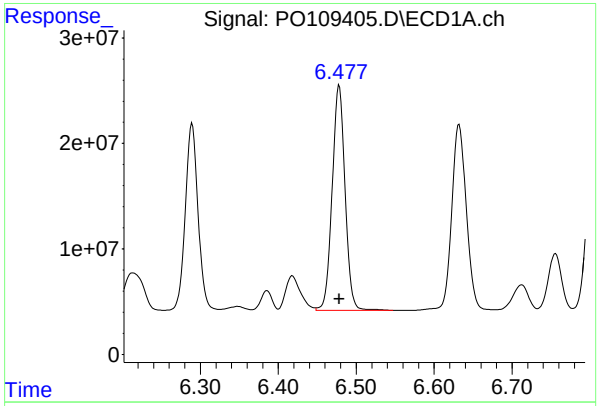
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: 0.000 min
Response: 202294713
Conc: 541.93 ng/ml



#31 AR-1260-1

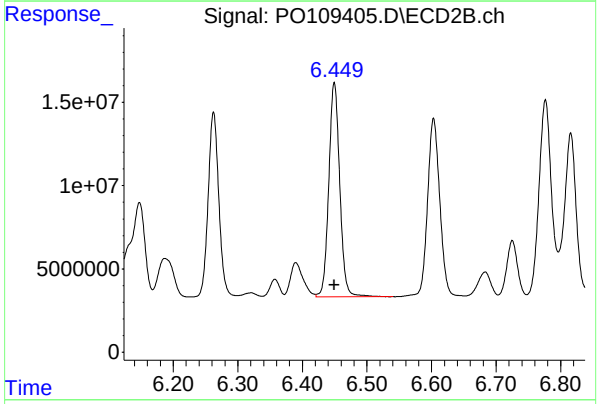
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 127801546
Conc: 517.16 ng/ml



#32 AR-1260-2

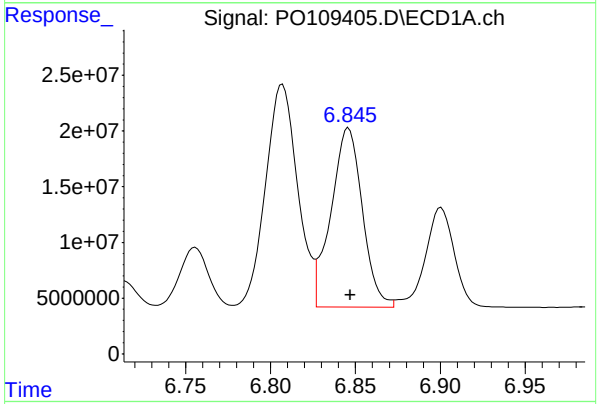
R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 245957423
Conc: 536.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



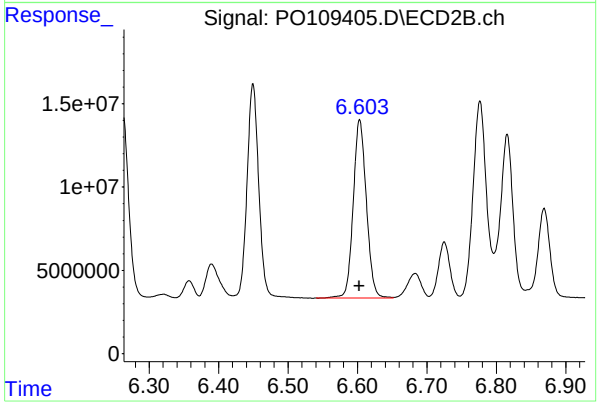
#32 AR-1260-2

R.T.: 6.449 min
Delta R.T.: 0.000 min
Response: 151767570
Conc: 519.61 ng/ml



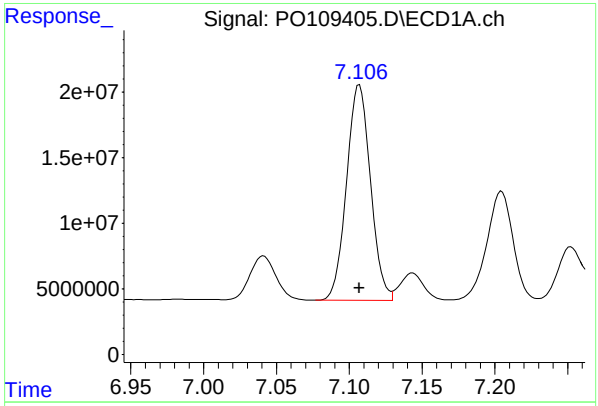
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: -0.001 min
Response: 207031451
Conc: 540.56 ng/ml



#33 AR-1260-3

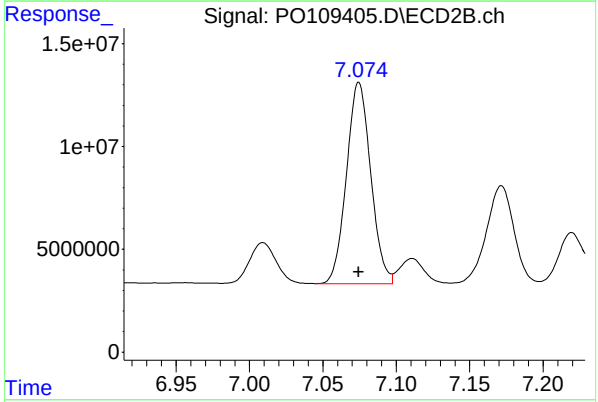
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 140726701
Conc: 494.81 ng/ml



#34 AR-1260-4

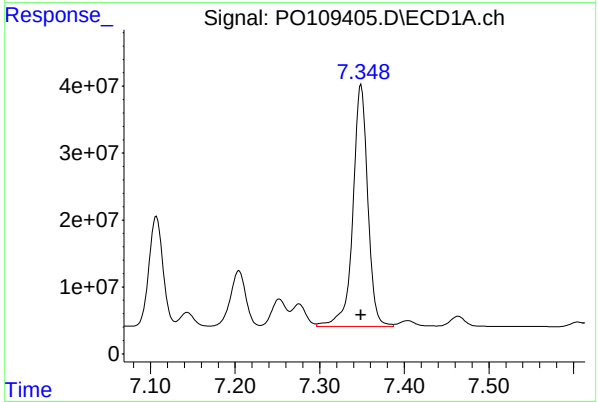
R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 188035504
Conc: 536.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



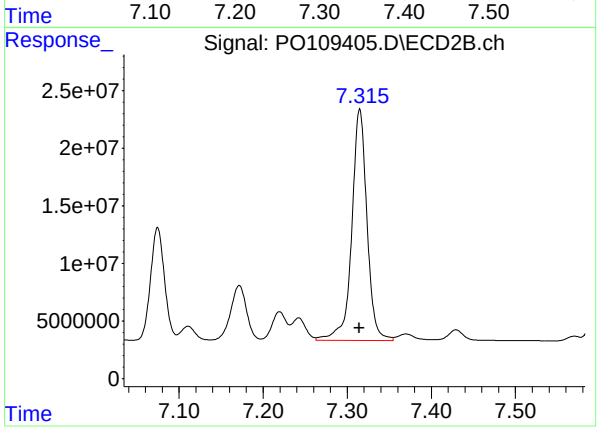
#34 AR-1260-4

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 112627811
Conc: 511.43 ng/ml



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 443756416
Conc: 544.10 ng/ml



#35 AR-1260-5

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 253380450
Conc: 516.33 ng/ml

Raw Data: **PO109422.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 02/03/2025 02/04/2025

Continuing Calib Time: 13:58 **Initial Calibration Time(s):** 18:17 02:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

Raw Data: **PO109422.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 02/03/2025 02/04/2025

Continuing Calib Time: 13:58 **Initial Calibration Time(s):** 18:17 02:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.02	4.92	5.12	0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.45	6.45	6.35	6.55	0.00
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.00

Raw Data: **PO109422.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/03/2025 02/03/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109422.D **Time Analyzed:** 13:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.791	4.693	4.893	458.750	500.000	-8.3
Aroclor-1016-2	4.811	4.713	4.913	458.110	500.000	-8.4
Aroclor-1016-3	4.867	4.769	4.969	448.590	500.000	-10.3
Aroclor-1016-4	4.988	4.890	5.090	439.950	500.000	-12.0
Aroclor-1016-5	5.245	5.148	5.348	437.600	500.000	-12.5
Aroclor-1260-1	6.287	6.190	6.390	343.690	500.000	-31.3
Aroclor-1260-2	6.476	6.378	6.578	344.860	500.000	-31.0
Aroclor-1260-3	6.845	6.747	6.947	340.860	500.000	-31.8
Aroclor-1260-4	7.105	7.007	7.207	323.390	500.000	-35.3
Aroclor-1260-5	7.346	7.249	7.449	316.680	500.000	-36.7
Decachlorobiphenyl	8.755	8.658	8.858	35.320	50.000	-29.4
Tetrachloro-m-xylene	3.698	3.599	3.799	48.980	50.000	-2.0

Raw Data: **PO109422.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/03/2025 02/03/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109422.D **Time Analyzed:** 13:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.778	4.679	4.879	474.730	500.000	-5.1
Aroclor-1016-2	4.797	4.698	4.898	478.930	500.000	-4.2
Aroclor-1016-3	4.972	4.874	5.074	466.200	500.000	-6.8
Aroclor-1016-4	5.014	4.915	5.115	453.590	500.000	-9.3
Aroclor-1016-5	5.228	5.129	5.329	466.150	500.000	-6.8
Aroclor-1260-1	6.261	6.162	6.362	383.820	500.000	-23.2
Aroclor-1260-2	6.448	6.349	6.549	385.730	500.000	-22.9
Aroclor-1260-3	6.601	6.503	6.703	356.180	500.000	-28.8
Aroclor-1260-4	7.073	6.974	7.174	353.890	500.000	-29.2
Aroclor-1260-5	7.314	7.214	7.414	353.190	500.000	-29.4
Decachlorobiphenyl	8.707	8.607	8.807	38.440	50.000	-23.1
Tetrachloro-m-xylene	3.694	3.595	3.795	52.660	50.000	5.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 13:58
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:48:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.698	3.694	371.2E6	281.3E6	48.976	52.664
2)	SA Decachlor...	8.755	8.707	228.9E6	119.8E6	35.319	38.443
	Target Compounds						
3)	L1 AR-1016-1	4.791	4.778	117.1E6	79708491	458.751	474.730
4)	L1 AR-1016-2	4.811	4.797	156.9E6	111.1E6	458.106	478.925
5)	L1 AR-1016-3	4.867	4.972	108.8E6	59677868	448.593	466.200
6)	L1 AR-1016-4	4.988	5.014	84521670	49800505	439.954	453.594
7)	L1 AR-1016-5	5.245	5.228	89868533	65390606	437.598	466.148
31)	L7 AR-1260-1	6.287	6.261	128.3E6	94849327	343.685	383.819
32)	L7 AR-1260-2	6.476	6.448	158.0E6	112.7E6	344.861	385.732
33)	L7 AR-1260-3	6.845	6.601	130.5E6	101.3E6	340.857	356.179
34)	L7 AR-1260-4	7.105	7.073	113.3E6	77933944	323.386	353.888
35)	L7 AR-1260-5	7.346	7.314	258.3E6	173.3E6	316.676	353.192

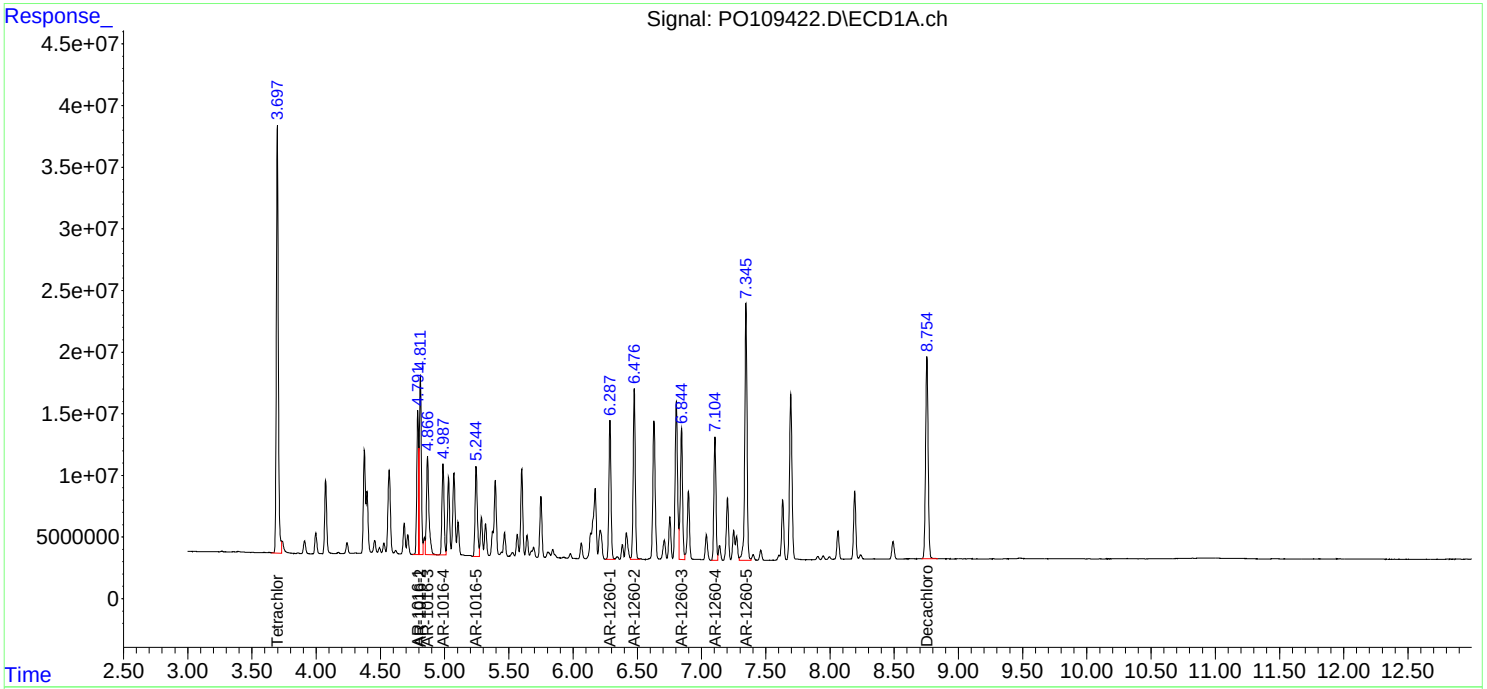
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

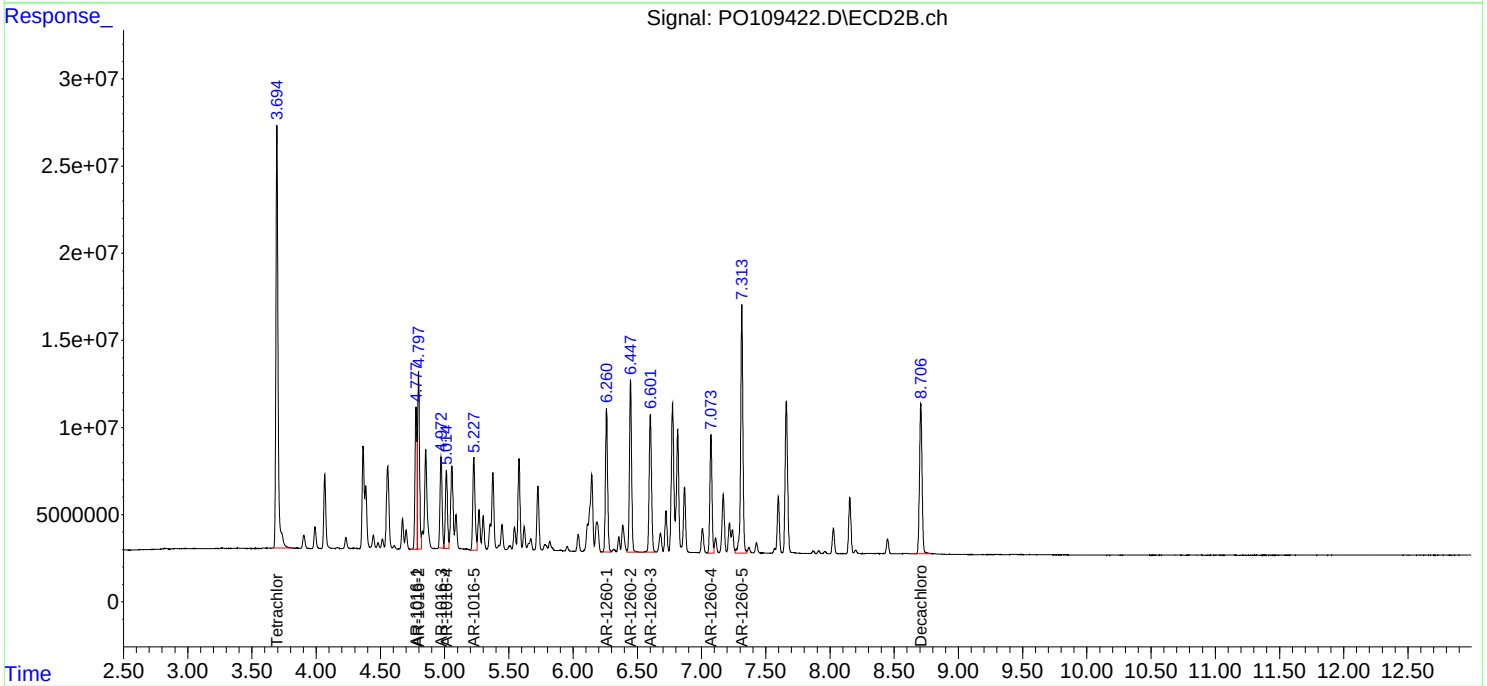
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 13:58
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

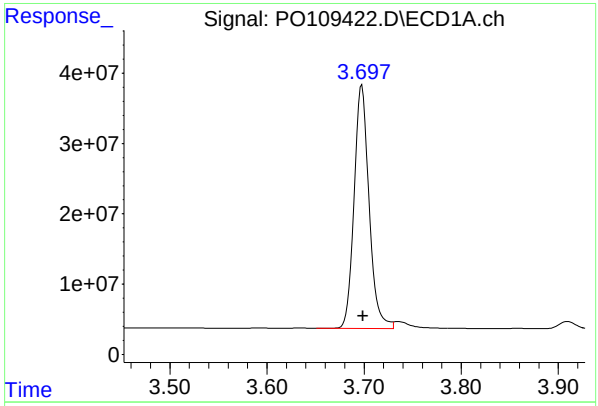
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:48:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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



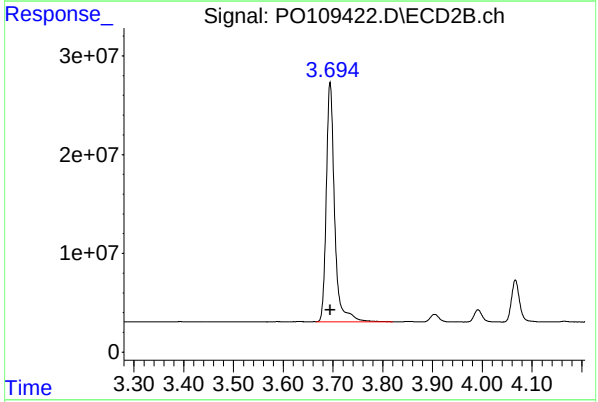




#1 Tetrachloro-m-xylene

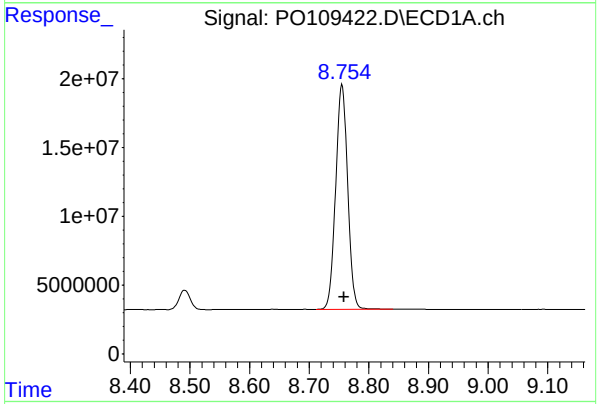
R.T.: 3.698 min
Delta R.T.: -0.001 min
Response: 371178905
Conc: 48.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



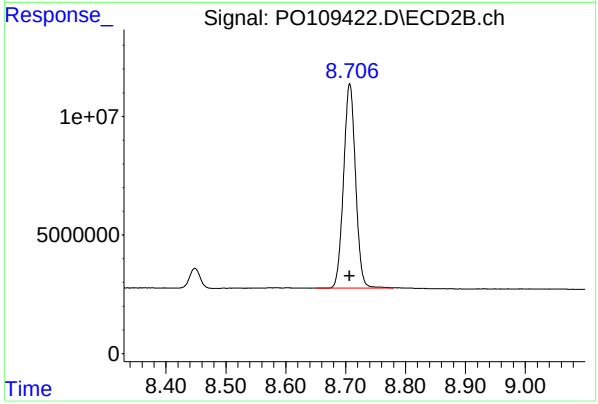
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 281269540
Conc: 52.66 ng/ml



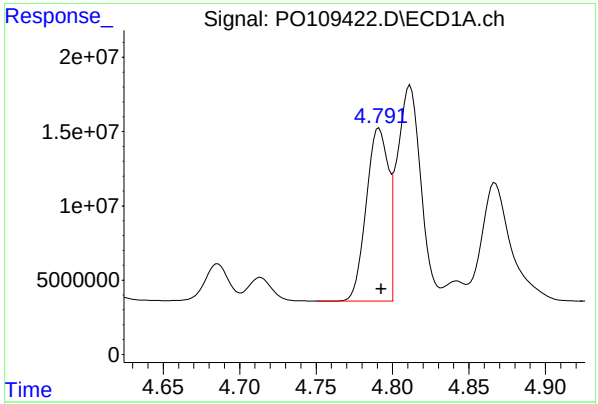
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: -0.003 min
Response: 228912152
Conc: 35.32 ng/ml



#2 Decachlorobiphenyl

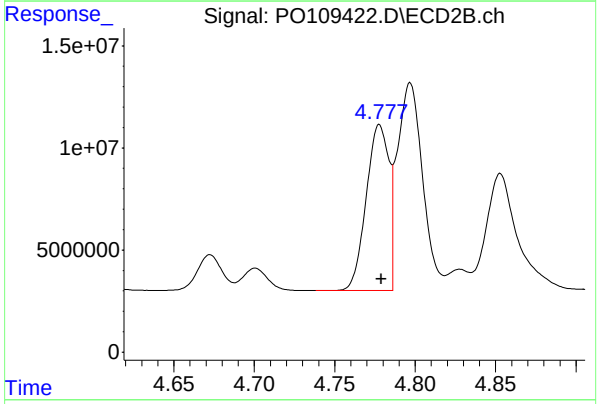
R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 119800163
Conc: 38.44 ng/ml



#3 AR-1016-1

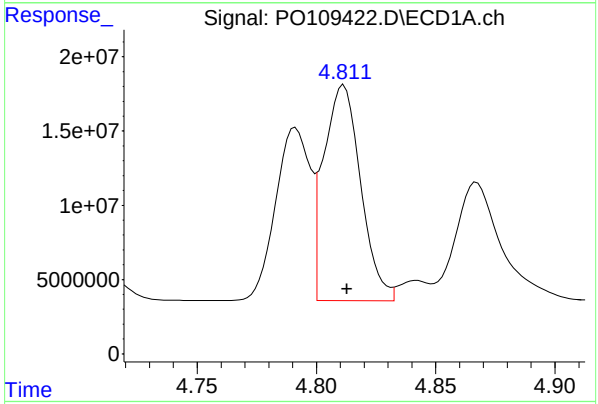
R.T.: 4.791 min
Delta R.T.: -0.002 min
Response: 117112463
Conc: 458.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



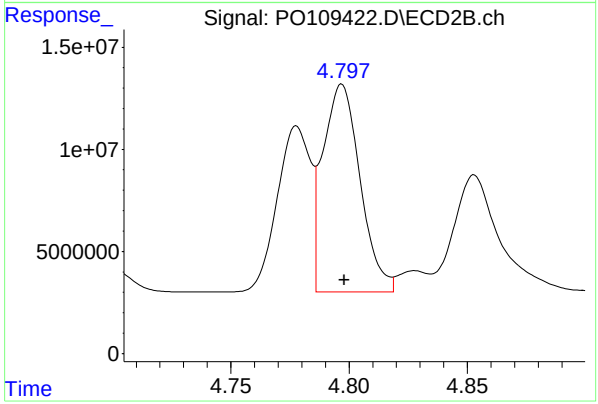
#3 AR-1016-1

R.T.: 4.778 min
Delta R.T.: -0.001 min
Response: 79708491
Conc: 474.73 ng/ml



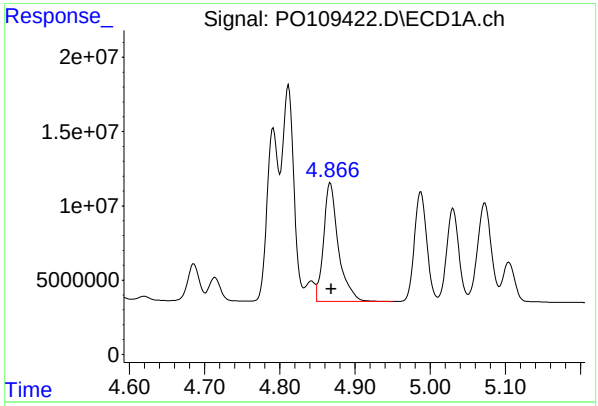
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: -0.001 min
Response: 156892857
Conc: 458.11 ng/ml



#4 AR-1016-2

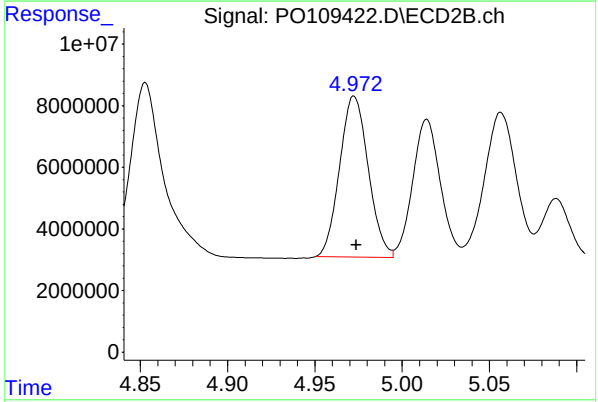
R.T.: 4.797 min
Delta R.T.: -0.001 min
Response: 111138746
Conc: 478.93 ng/ml



#5 AR-1016-3

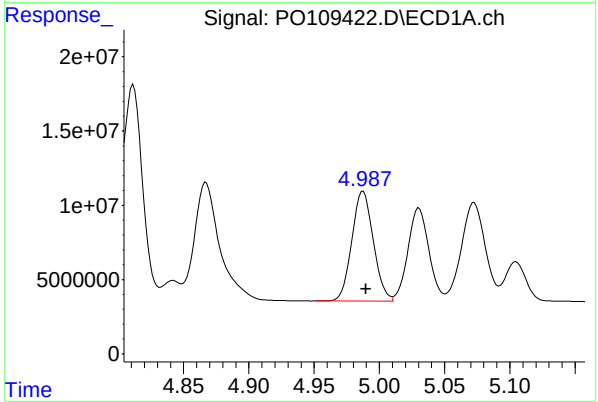
R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 108770817
Conc: 448.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



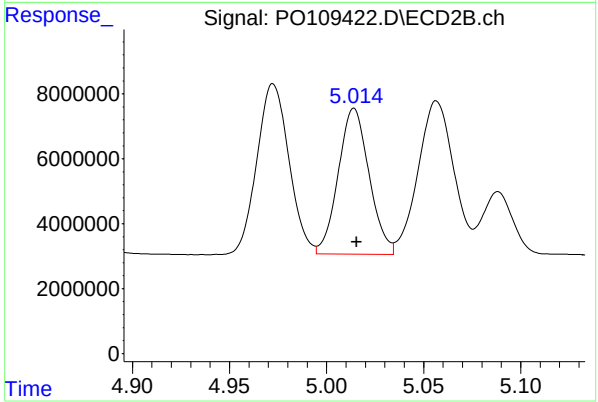
#5 AR-1016-3

R.T.: 4.972 min
Delta R.T.: -0.001 min
Response: 59677868
Conc: 466.20 ng/ml



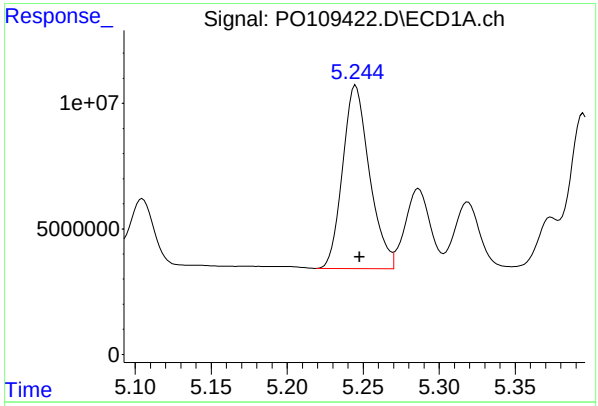
#6 AR-1016-4

R.T.: 4.988 min
Delta R.T.: -0.002 min
Response: 84521670
Conc: 439.95 ng/ml



#6 AR-1016-4

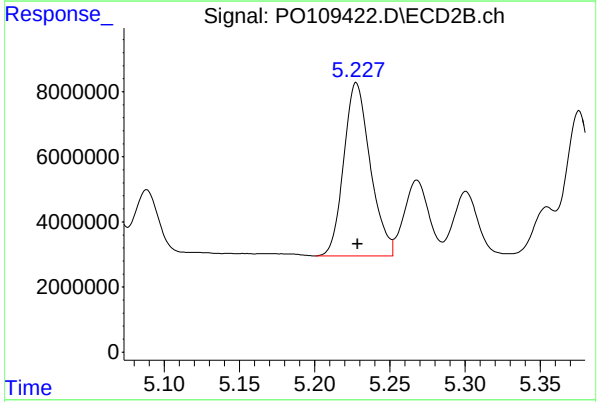
R.T.: 5.014 min
Delta R.T.: -0.001 min
Response: 49800505
Conc: 453.59 ng/ml



#7 AR-1016-5

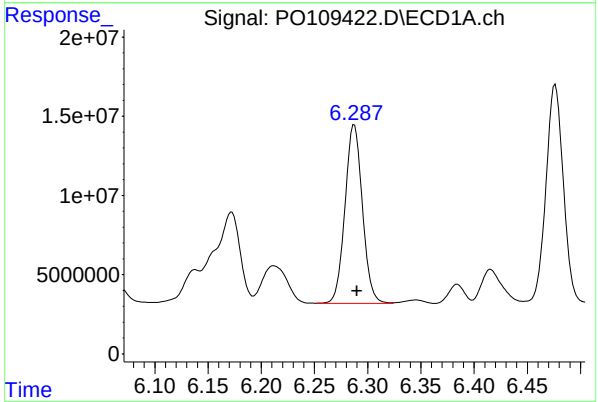
R.T.: 5.245 min
Delta R.T.: -0.003 min
Response: 89868533
Conc: 437.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



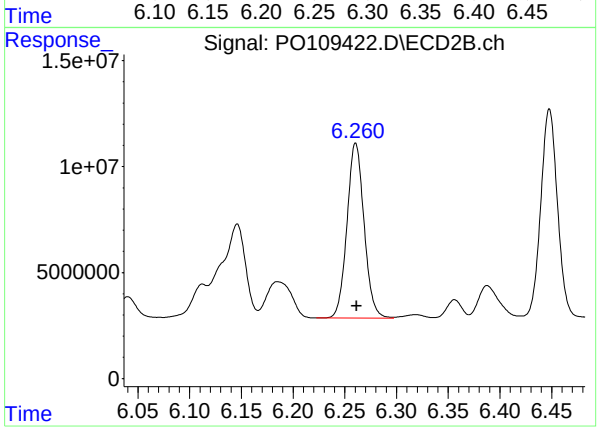
#7 AR-1016-5

R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 65390606
Conc: 466.15 ng/ml



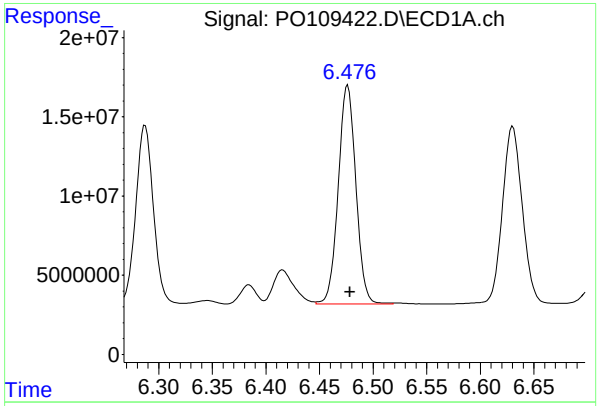
#31 AR-1260-1

R.T.: 6.287 min
Delta R.T.: -0.003 min
Response: 128293060
Conc: 343.69 ng/ml



#31 AR-1260-1

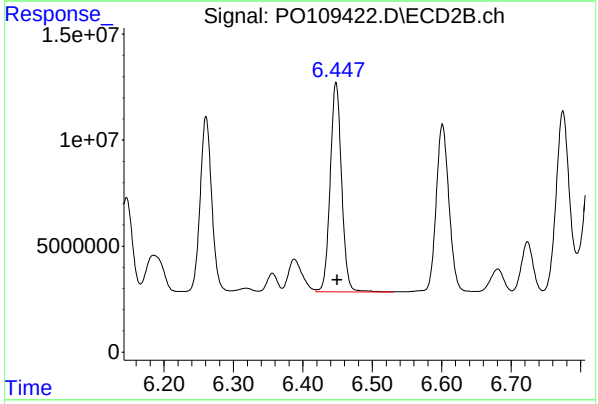
R.T.: 6.261 min
Delta R.T.: -0.001 min
Response: 94849327
Conc: 383.82 ng/ml



#32 AR-1260-2

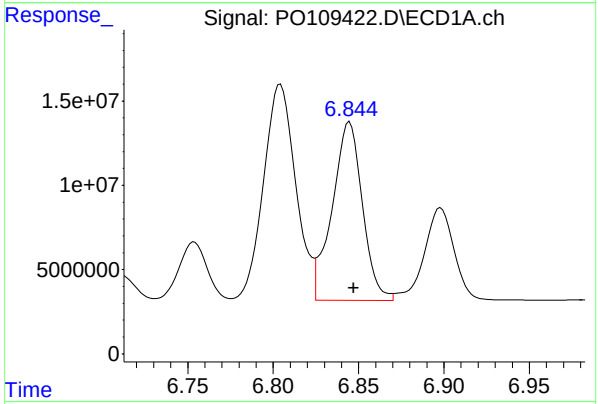
R.T.: 6.476 min
Delta R.T.: -0.002 min
Response: 157996374
Conc: 344.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



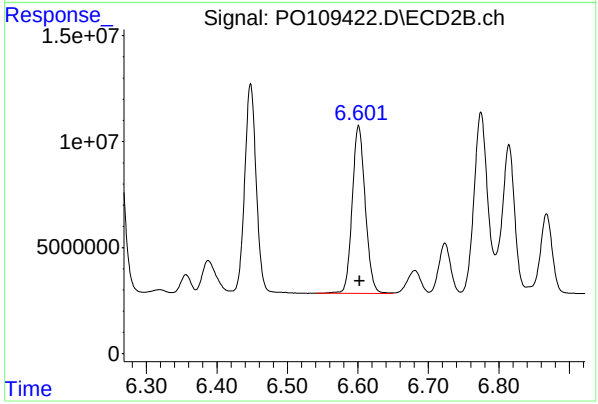
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: -0.002 min
Response: 112664335
Conc: 385.73 ng/ml



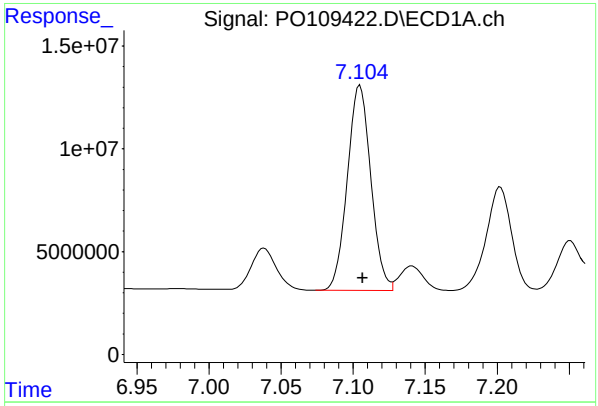
#33 AR-1260-3

R.T.: 6.845 min
Delta R.T.: -0.002 min
Response: 130547207
Conc: 340.86 ng/ml



#33 AR-1260-3

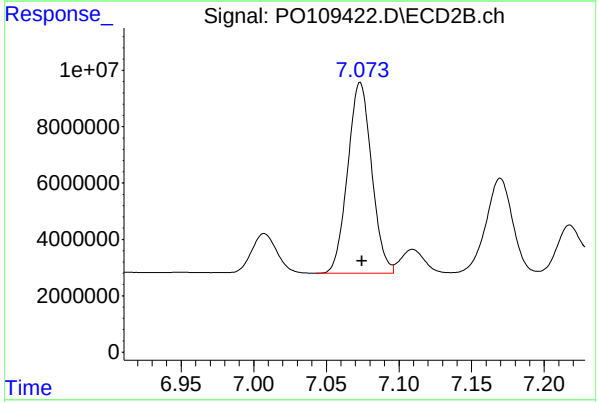
R.T.: 6.601 min
Delta R.T.: -0.002 min
Response: 101299001
Conc: 356.18 ng/ml



#34 AR-1260-4

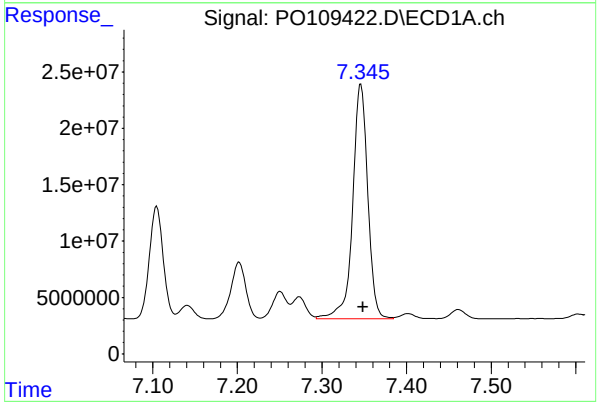
R.T.: 7.105 min
Delta R.T.: -0.002 min
Response: 113255712
Conc: 323.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



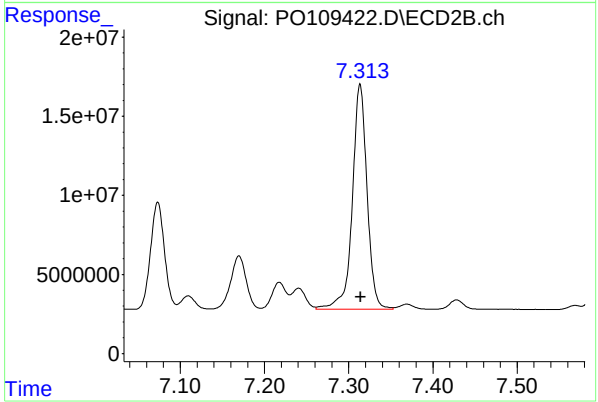
#34 AR-1260-4

R.T.: 7.073 min
Delta R.T.: -0.001 min
Response: 77933944
Conc: 353.89 ng/ml



#35 AR-1260-5

R.T.: 7.346 min
Delta R.T.: -0.003 min
Response: 258274023
Conc: 316.68 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 173322401
Conc: 353.19 ng/ml

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1242

Project: NYCDDC SANTWOBR Brooklyn Bridge BI **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	17:18	PO108981.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	01/21/2025	17:36	PO108982.D	8.76	3.70
AR1660ICC750	AR1660ICC750	01/21/2025	17:54	PO108983.D	8.76	3.70
AR1660ICC500	AR1660ICC500	01/21/2025	18:13	PO108984.D	8.76	3.70
AR1660ICC250	AR1660ICC250	01/21/2025	18:31	PO108985.D	8.76	3.70
AR1660ICC050	AR1660ICC050	01/21/2025	18:49	PO108986.D	8.76	3.70
AR1221ICC500	AR1221ICC500	01/21/2025	19:07	PO108987.D	8.76	3.70
AR1232ICC500	AR1232ICC500	01/21/2025	19:26	PO108988.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	01/21/2025	19:44	PO108989.D	8.76	3.70
AR1242ICC750	AR1242ICC750	01/21/2025	20:02	PO108990.D	8.76	3.70
AR1242ICC500	AR1242ICC500	01/21/2025	20:21	PO108991.D	8.76	3.70
AR1242ICC250	AR1242ICC250	01/21/2025	20:39	PO108992.D	8.76	3.70
AR1242ICC050	AR1242ICC050	01/21/2025	20:57	PO108993.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	01/21/2025	21:16	PO108994.D	8.76	3.70
AR1248ICC750	AR1248ICC750	01/21/2025	21:34	PO108995.D	8.76	3.70
AR1248ICC500	AR1248ICC500	01/21/2025	21:52	PO108996.D	8.76	3.70
AR1248ICC250	AR1248ICC250	01/21/2025	22:10	PO108997.D	8.76	3.70
AR1248ICC050	AR1248ICC050	01/21/2025	22:29	PO108998.D	8.76	3.70
AR1254ICC1000	AR1254ICC1000	01/21/2025	22:47	PO108999.D	8.76	3.70
AR1254ICC750	AR1254ICC750	01/21/2025	23:05	PO109000.D	8.76	3.70
AR1254ICC500	AR1254ICC500	01/21/2025	23:23	PO109001.D	8.76	3.70
AR1254ICC250	AR1254ICC250	01/21/2025	23:42	PO109002.D	8.76	3.70
AR1254ICC050	AR1254ICC050	01/22/2025	00:00	PO109003.D	8.76	3.70
AR1262ICC500	AR1262ICC500	01/22/2025	00:18	PO109004.D	8.76	3.70
AR1268ICC1000	AR1268ICC1000	01/22/2025	00:37	PO109005.D	8.76	3.70
AR1268ICC750	AR1268ICC750	01/22/2025	00:55	PO109006.D	8.76	3.70
AR1268ICC500	AR1268ICC500	01/22/2025	01:13	PO109007.D	8.76	3.70
AR1268ICC250	AR1268ICC250	01/22/2025	01:31	PO109008.D	8.76	3.70
AR1268ICC050	AR1268ICC050	01/22/2025	01:50	PO109009.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/31/2025	09:16	PO109317.D	8.76	3.70
I.BLK	I.BLK	01/31/2025	10:29	PO109321.D	8.76	3.70
PB166412BL	PB166412BL	01/31/2025	11:35	PO109323.D	8.76	3.70
PB166412BS	PB166412BS	01/31/2025	11:53	PO109324.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/31/2025	17:22	PO109331.D	8.76	3.70
I.BLK	I.BLK	01/31/2025	18:35	PO109335.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/31/2025	22:43	PO109344.D	8.76	3.70
I.BLK	I.BLK	01/31/2025	23:57	PO109348.D	8.76	3.70
JPP-46.2-012925MS	Q1232-03MS	02/01/2025	00:33	PO109350.D	8.76	3.70
JPP-46.2-012925MSD	Q1232-03MSD	02/01/2025	00:51	PO109351.D	8.76	3.70
JPP-6.2-013025	Q1242-03	02/01/2025	04:30	PO109363.D	8.76	3.70
AR1660CCC500	AR1660CCC500	02/01/2025	06:43	PO109364.D	8.76	3.70
I.BLK	I.BLK	02/01/2025	07:01	PO109365.D	8.76	3.70

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Fax : 908 789 8922

Analytical Sequence

I.BLK	I.BLK	02/03/2025	17:58	PO109369.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	02/03/2025	18:17	PO109370.D	8.76	3.70
AR1660ICC750	AR1660ICC750	02/03/2025	18:35	PO109371.D	8.76	3.70
AR1660ICC500	AR1660ICC500	02/03/2025	18:53	PO109372.D	8.76	3.70
AR1660ICC250	AR1660ICC250	02/03/2025	19:12	PO109373.D	8.76	3.70
AR1660ICC050	AR1660ICC050	02/03/2025	19:30	PO109374.D	8.76	3.70
AR1221ICC500	AR1221ICC500	02/03/2025	19:49	PO109375.D	8.76	3.70
AR1232ICC500	AR1232ICC500	02/03/2025	20:07	PO109376.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	02/03/2025	20:25	PO109377.D	8.76	3.70
AR1242ICC750	AR1242ICC750	02/03/2025	20:44	PO109378.D	8.76	3.70
AR1242ICC500	AR1242ICC500	02/03/2025	21:02	PO109379.D	8.76	3.70
AR1242ICC250	AR1242ICC250	02/03/2025	21:19	PO109380.D	8.76	3.70
AR1242ICC050	AR1242ICC050	02/03/2025	21:38	PO109381.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	02/03/2025	21:56	PO109382.D	8.76	3.70
AR1248ICC750	AR1248ICC750	02/03/2025	22:14	PO109383.D	8.76	3.70
AR1248ICC500	AR1248ICC500	02/03/2025	22:32	PO109384.D	8.76	3.70
AR1248ICC250	AR1248ICC250	02/03/2025	22:50	PO109385.D	8.76	3.70
AR1248ICC050	AR1248ICC050	02/03/2025	23:08	PO109386.D	8.76	3.70
AR1254ICC1000	AR1254ICC1000	02/03/2025	23:27	PO109387.D	8.76	3.70
AR1254ICC750	AR1254ICC750	02/03/2025	23:45	PO109388.D	8.76	3.70
AR1254ICC500	AR1254ICC500	02/04/2025	00:03	PO109389.D	8.76	3.70
AR1254ICC250	AR1254ICC250	02/04/2025	00:22	PO109390.D	8.76	3.70
AR1254ICC050	AR1254ICC050	02/04/2025	00:40	PO109391.D	8.76	3.70
AR1262ICC500	AR1262ICC500	02/04/2025	00:58	PO109392.D	8.76	3.70
AR1268ICC1000	AR1268ICC1000	02/04/2025	01:17	PO109393.D	8.76	3.70
AR1268ICC750	AR1268ICC750	02/04/2025	01:35	PO109394.D	8.76	3.70
AR1268ICC500	AR1268ICC500	02/04/2025	01:54	PO109395.D	8.76	3.70
AR1268ICC250	AR1268ICC250	02/04/2025	02:12	PO109396.D	8.76	3.70
AR1268ICC050	AR1268ICC050	02/04/2025	02:30	PO109397.D	8.76	3.70
AR1660CCC500	AR1660CCC500	02/04/2025	08:32	PO109405.D	8.76	3.70
I.BLK	I.BLK	02/04/2025	08:51	PO109406.D	8.76	3.70
JPP-46.2-012925MSRE	Q1232-03MSRE	02/04/2025	09:27	PO109408.D	8.76	3.70
JPP-46.2-012925MSDRE	Q1232-03MSDRE	02/04/2025	09:46	PO109409.D	8.76	3.70
JPP-6.2-013025RE	Q1242-03RE	02/04/2025	13:25	PO109421.D	8.76	3.70
AR1660CCC500	AR1660CCC500	02/04/2025	13:58	PO109422.D	8.76	3.70
I.BLK	I.BLK	02/04/2025	14:16	PO109423.D	8.76	3.70

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1242

Project: NYCDDC SANTWOBR Brooklyn Bridge BI **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	17:18	PO108981.D	8.71	3.70
AR1660ICC1000	AR1660ICC1000	01/21/2025	17:36	PO108982.D	8.71	3.70
AR1660ICC750	AR1660ICC750	01/21/2025	17:54	PO108983.D	8.71	3.70
AR1660ICC500	AR1660ICC500	01/21/2025	18:13	PO108984.D	8.73	3.72
AR1660ICC250	AR1660ICC250	01/21/2025	18:31	PO108985.D	8.71	3.70
AR1660ICC050	AR1660ICC050	01/21/2025	18:49	PO108986.D	8.71	3.70
AR1221ICC500	AR1221ICC500	01/21/2025	19:07	PO108987.D	8.71	3.70
AR1232ICC500	AR1232ICC500	01/21/2025	19:26	PO108988.D	8.71	3.70
AR1242ICC1000	AR1242ICC1000	01/21/2025	19:44	PO108989.D	8.71	3.70
AR1242ICC750	AR1242ICC750	01/21/2025	20:02	PO108990.D	8.71	3.70
AR1242ICC500	AR1242ICC500	01/21/2025	20:21	PO108991.D	8.71	3.70
AR1242ICC250	AR1242ICC250	01/21/2025	20:39	PO108992.D	8.71	3.70
AR1242ICC050	AR1242ICC050	01/21/2025	20:57	PO108993.D	8.71	3.70
AR1248ICC1000	AR1248ICC1000	01/21/2025	21:16	PO108994.D	8.71	3.70
AR1248ICC750	AR1248ICC750	01/21/2025	21:34	PO108995.D	8.71	3.70
AR1248ICC500	AR1248ICC500	01/21/2025	21:52	PO108996.D	8.71	3.70
AR1248ICC250	AR1248ICC250	01/21/2025	22:10	PO108997.D	8.71	3.70
AR1248ICC050	AR1248ICC050	01/21/2025	22:29	PO108998.D	8.71	3.70
AR1254ICC1000	AR1254ICC1000	01/21/2025	22:47	PO108999.D	8.71	3.70
AR1254ICC750	AR1254ICC750	01/21/2025	23:05	PO109000.D	8.71	3.70
AR1254ICC500	AR1254ICC500	01/21/2025	23:23	PO109001.D	8.71	3.70
AR1254ICC250	AR1254ICC250	01/21/2025	23:42	PO109002.D	8.71	3.70
AR1254ICC050	AR1254ICC050	01/22/2025	00:00	PO109003.D	8.71	3.70
AR1262ICC500	AR1262ICC500	01/22/2025	00:18	PO109004.D	8.71	3.70
AR1268ICC1000	AR1268ICC1000	01/22/2025	00:37	PO109005.D	8.71	3.70
AR1268ICC750	AR1268ICC750	01/22/2025	00:55	PO109006.D	8.71	3.70
AR1268ICC500	AR1268ICC500	01/22/2025	01:13	PO109007.D	8.71	3.70
AR1268ICC250	AR1268ICC250	01/22/2025	01:31	PO109008.D	8.71	3.70
AR1268ICC050	AR1268ICC050	01/22/2025	01:50	PO109009.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/31/2025	09:16	PO109317.D	8.71	3.69
I.BLK	I.BLK	01/31/2025	10:29	PO109321.D	8.71	3.70
PB166412BL	PB166412BL	01/31/2025	11:35	PO109323.D	8.71	3.70
PB166412BS	PB166412BS	01/31/2025	11:53	PO109324.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/31/2025	17:22	PO109331.D	8.71	3.70
I.BLK	I.BLK	01/31/2025	18:35	PO109335.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/31/2025	22:43	PO109344.D	8.71	3.70
I.BLK	I.BLK	01/31/2025	23:57	PO109348.D	8.71	3.70
JPP-46.2-012925MS	Q1232-03MS	02/01/2025	00:33	PO109350.D	8.71	3.70
JPP-46.2-012925MSD	Q1232-03MSD	02/01/2025	00:51	PO109351.D	8.71	3.70
JPP-6.2-013025	Q1242-03	02/01/2025	04:30	PO109363.D	8.71	3.70
AR1660CCC500	AR1660CCC500	02/01/2025	06:43	PO109364.D	8.71	3.70
I.BLK	I.BLK	02/01/2025	07:01	PO109365.D	8.71	3.70

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Fax : 908 789 8922

Analytical Sequence

I.BLK	I.BLK	02/03/2025	17:58	PO109369.D	8.71	3.70
AR1660ICC1000	AR1660ICC1000	02/03/2025	18:17	PO109370.D	8.71	3.70
AR1660ICC750	AR1660ICC750	02/03/2025	18:35	PO109371.D	8.71	3.70
AR1660ICC500	AR1660ICC500	02/03/2025	18:53	PO109372.D	8.71	3.70
AR1660ICC250	AR1660ICC250	02/03/2025	19:12	PO109373.D	8.71	3.70
AR1660ICC050	AR1660ICC050	02/03/2025	19:30	PO109374.D	8.71	3.69
AR1221ICC500	AR1221ICC500	02/03/2025	19:49	PO109375.D	8.71	3.70
AR1232ICC500	AR1232ICC500	02/03/2025	20:07	PO109376.D	8.71	3.70
AR1242ICC1000	AR1242ICC1000	02/03/2025	20:25	PO109377.D	8.71	3.70
AR1242ICC750	AR1242ICC750	02/03/2025	20:44	PO109378.D	8.71	3.70
AR1242ICC500	AR1242ICC500	02/03/2025	21:02	PO109379.D	8.71	3.69
AR1242ICC250	AR1242ICC250	02/03/2025	21:19	PO109380.D	8.71	3.69
AR1242ICC050	AR1242ICC050	02/03/2025	21:38	PO109381.D	8.71	3.69
AR1248ICC1000	AR1248ICC1000	02/03/2025	21:56	PO109382.D	8.71	3.69
AR1248ICC750	AR1248ICC750	02/03/2025	22:14	PO109383.D	8.71	3.69
AR1248ICC500	AR1248ICC500	02/03/2025	22:32	PO109384.D	8.71	3.69
AR1248ICC250	AR1248ICC250	02/03/2025	22:50	PO109385.D	8.71	3.69
AR1248ICC050	AR1248ICC050	02/03/2025	23:08	PO109386.D	8.71	3.69
AR1254ICC1000	AR1254ICC1000	02/03/2025	23:27	PO109387.D	8.71	3.70
AR1254ICC750	AR1254ICC750	02/03/2025	23:45	PO109388.D	8.71	3.70
AR1254ICC500	AR1254ICC500	02/04/2025	00:03	PO109389.D	8.71	3.70
AR1254ICC250	AR1254ICC250	02/04/2025	00:22	PO109390.D	8.71	3.70
AR1254ICC050	AR1254ICC050	02/04/2025	00:40	PO109391.D	8.71	3.69
AR1262ICC500	AR1262ICC500	02/04/2025	00:58	PO109392.D	8.71	3.70
AR1268ICC1000	AR1268ICC1000	02/04/2025	01:17	PO109393.D	8.71	3.70
AR1268ICC750	AR1268ICC750	02/04/2025	01:35	PO109394.D	8.71	3.70
AR1268ICC500	AR1268ICC500	02/04/2025	01:54	PO109395.D	8.71	3.70
AR1268ICC250	AR1268ICC250	02/04/2025	02:12	PO109396.D	8.71	3.70
AR1268ICC050	AR1268ICC050	02/04/2025	02:30	PO109397.D	8.71	3.69
AR1660CCC500	AR1660CCC500	02/04/2025	08:32	PO109405.D	8.71	3.70
I.BLK	I.BLK	02/04/2025	08:51	PO109406.D	8.71	3.69
JPP-46.2-012925MSRE	Q1232-03MSRE	02/04/2025	09:27	PO109408.D	8.71	3.69
JPP-46.2-012925MSDRE	Q1232-03MSDRE	02/04/2025	09:46	PO109409.D	8.71	3.69
JPP-6.2-013025RE	Q1242-03RE	02/04/2025	13:25	PO109421.D	8.71	3.69
AR1660CCC500	AR1660CCC500	02/04/2025	13:58	PO109422.D	8.71	3.69
I.BLK	I.BLK	02/04/2025	14:16	PO109423.D	8.71	3.70

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166412BS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: PB166412BS Date(s) Analyzed: 01/31/2025 01/31/2025

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 PO109324.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.793	4.743	4.843	165		
	2	4.813	4.763	4.863	165		
	3	4.869	4.819	4.919	161		
COLUMN 1	4	4.99	4.94	5.04	163		
	5	5.247	5.197	5.297	156	162	
	1	4.779	4.729	4.829	158		
	2	4.799	4.749	4.849	159		
	3	4.974	4.924	5.024	159		
	4	5.016	4.966	5.066	156		
COLUMN 2	5	5.229	5.179	5.279	149	156	3.77
Aroclor-1260	1	6.289	6.239	6.339	163		
	2	6.478	6.428	6.528	161		
	3	6.847	6.797	6.897	140		
COLUMN 1	4	7.107	7.057	7.157	142		
	5	7.349	7.299	7.399	140	149	
	1	6.263	6.213	6.313	159		
	2	6.45	6.4	6.5	156		
	3	6.604	6.554	6.654	156		
	4	7.076	7.026	7.126	136		
COLUMN 2	5	7.316	7.266	7.366	138	149	0

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-46.2-012925MS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: Q1232-03MS Date(s) Analyzed: 02/01/2025 02/01/2025

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 PO109350.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.794	4.744	4.844	221		
	2	4.813	4.763	4.863	176		
	3	4.87	4.82	4.92	196		
COLUMN 1	4	4.99	4.94	5.04	189		
	5	5.247	5.197	5.297	142	185	
	1	4.78	4.73	4.83	198		
	2	4.799	4.749	4.849	180		
	3	4.975	4.925	5.025	198		
	4	5.017	4.967	5.067	192		
COLUMN 2	5	5.229	5.179	5.279	131	180	2.74
Aroclor-1260	1	6.291	6.241	6.341	188		
	2	6.478	6.428	6.528	182		
	3	6.848	6.798	6.898	136		
COLUMN 1	4	7.109	7.059	7.159	151		
	5	7.351	7.301	7.401	153	162	
	1	6.265	6.215	6.315	196		
	2	6.451	6.401	6.501	187		
	3	6.605	6.555	6.655	182		
	4	7.077	7.027	7.127	150		
COLUMN 2	5	7.318	7.268	7.368	159	175	7.72

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-46.2-012925MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: Q1232-03MSD Date(s) Analyzed: 02/01/2025 02/01/2025

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 PO109351.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.792	4.742	4.842	219		
	2	4.811	4.761	4.861	175		
	3	4.868	4.818	4.918	192		
COLUMN 1	4	4.989	4.939	5.039	189		
	5	5.245	5.195	5.295	141	183	
	1	4.78	4.73	4.83	206		
	2	4.799	4.749	4.849	174		
	3	4.975	4.925	5.025	194		
	4	5.017	4.967	5.067	187		
COLUMN 2	5	5.23	5.18	5.28	135	179	2.21
Aroclor-1260	1	6.289	6.239	6.339	185		
	2	6.476	6.426	6.526	175		
	3	6.846	6.796	6.896	134		
COLUMN 1	4	7.107	7.057	7.157	148		
	5	7.349	7.299	7.399	151	159	
	1	6.264	6.214	6.314	194		
	2	6.451	6.401	6.501	181		
	3	6.604	6.554	6.654	181		
	4	7.076	7.026	7.126	150		
COLUMN 2	5	7.317	7.267	7.367	157	173	8.43

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-46.2-012925MSRE

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: Q1232-03MSRE Date(s) Analyzed: 02/04/2025 02/04/2025

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 PO109408.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.792	4.742	4.842	172		
	2	4.811	4.761	4.861	162		
	3	4.867	4.817	4.917	178		
COLUMN 1	4	4.989	4.939	5.039	181		
	5	5.245	5.195	5.295	120	162	
	1	4.777	4.727	4.827	186		
	2	4.797	4.747	4.847	169		
	3	4.973	4.923	5.023	186		
	4	5.015	4.965	5.065	184		
COLUMN 2	5	5.226	5.176	5.276	126	170	4.82
Aroclor-1260	1	6.289	6.239	6.339	186		
	2	6.476	6.426	6.526	177		
	3	6.845	6.795	6.895	136		
COLUMN 1	4	7.106	7.056	7.156	150		
	5	7.348	7.298	7.398	161	162	
	1	6.262	6.212	6.312	190		
	2	6.448	6.398	6.498	183		
	3	6.602	6.552	6.652	169		
	4	7.074	7.024	7.124	149		
COLUMN 2	5	7.314	7.264	7.364	160	170	4.82

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-46.2-012925MSDRE

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: Q1232-03MSDRE Date(s) Analyzed: 02/04/2025 02/04/2025

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 PO109409.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.791	4.741	4.841	171		
	2	4.811	4.761	4.861	158		
	3	4.867	4.817	4.917	174		
COLUMN 1	4	4.989	4.939	5.039	178		
	5	5.245	5.195	5.295	119	160	
	1	4.777	4.727	4.827	182		
	2	4.797	4.747	4.847	165		
	3	4.973	4.923	5.023	184		
	4	5.014	4.964	5.064	182		
COLUMN 2	5	5.226	5.176	5.276	125	167	4.28
Aroclor-1260	1	6.289	6.239	6.339	182		
	2	6.477	6.427	6.527	167		
	3	6.846	6.796	6.896	130		
COLUMN 1	4	7.106	7.056	7.156	146		
	5	7.347	7.297	7.397	155	156	
	1	6.262	6.212	6.312	186		
	2	6.448	6.398	6.498	180		
	3	6.601	6.551	6.651	167		
	4	7.074	7.024	7.124	146		
COLUMN 2	5	7.314	7.264	7.364	156	167	6.81

QC SAMPLE DATA

Raw Data: **PO109323.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166412BL	SDG No.:	Q1242
Lab Sample ID:	PB166412BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109323.D	1	01/31/25 08:15	01/31/25 11:35	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	17.0	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		32 - 144	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		32 - 175	105%	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\PO013125\
Data File : PO109323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:35
Operator : YP/AJ
Sample : PB166412BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166412BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 12:32:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	181.8E6	121.8E6	24.060	22.719
2)	SA Decachlor...	8.758	8.709	145.5E6	72228578	21.006	21.004
	Target Compounds						

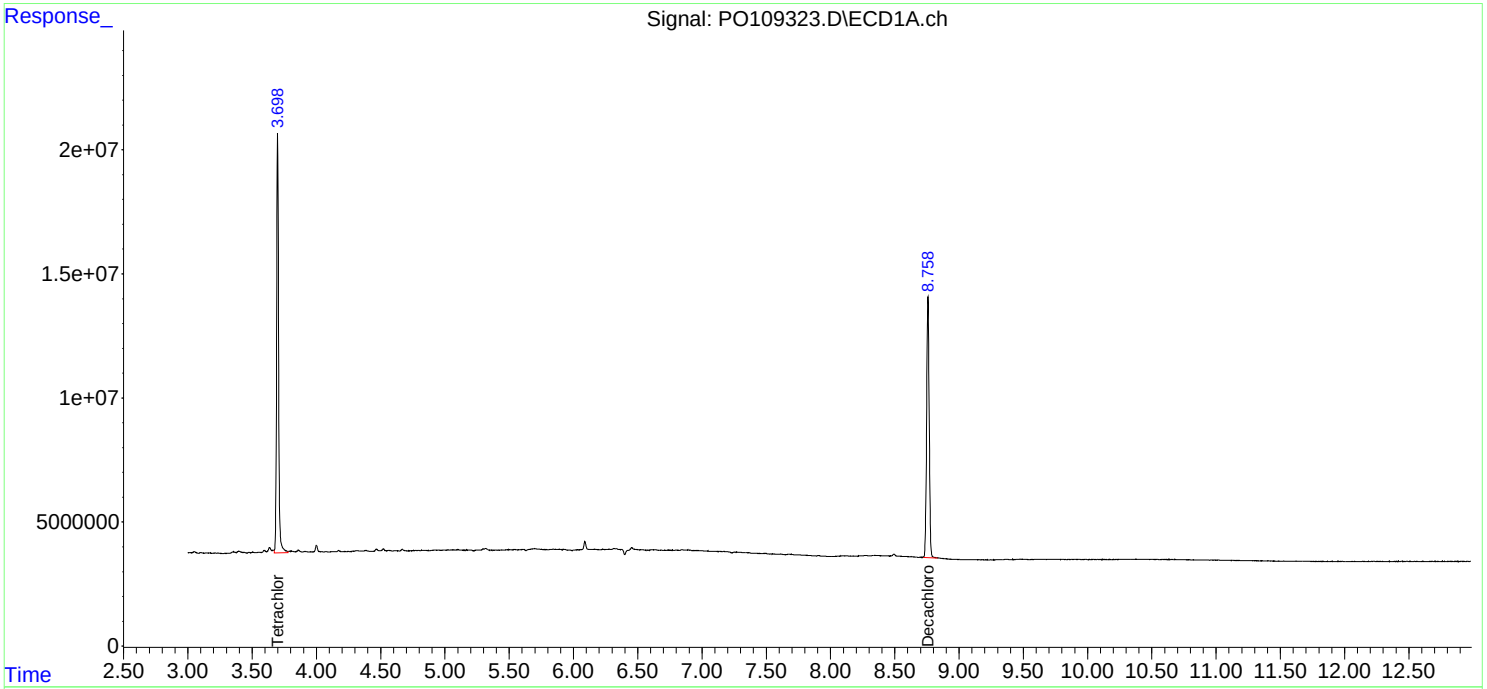
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

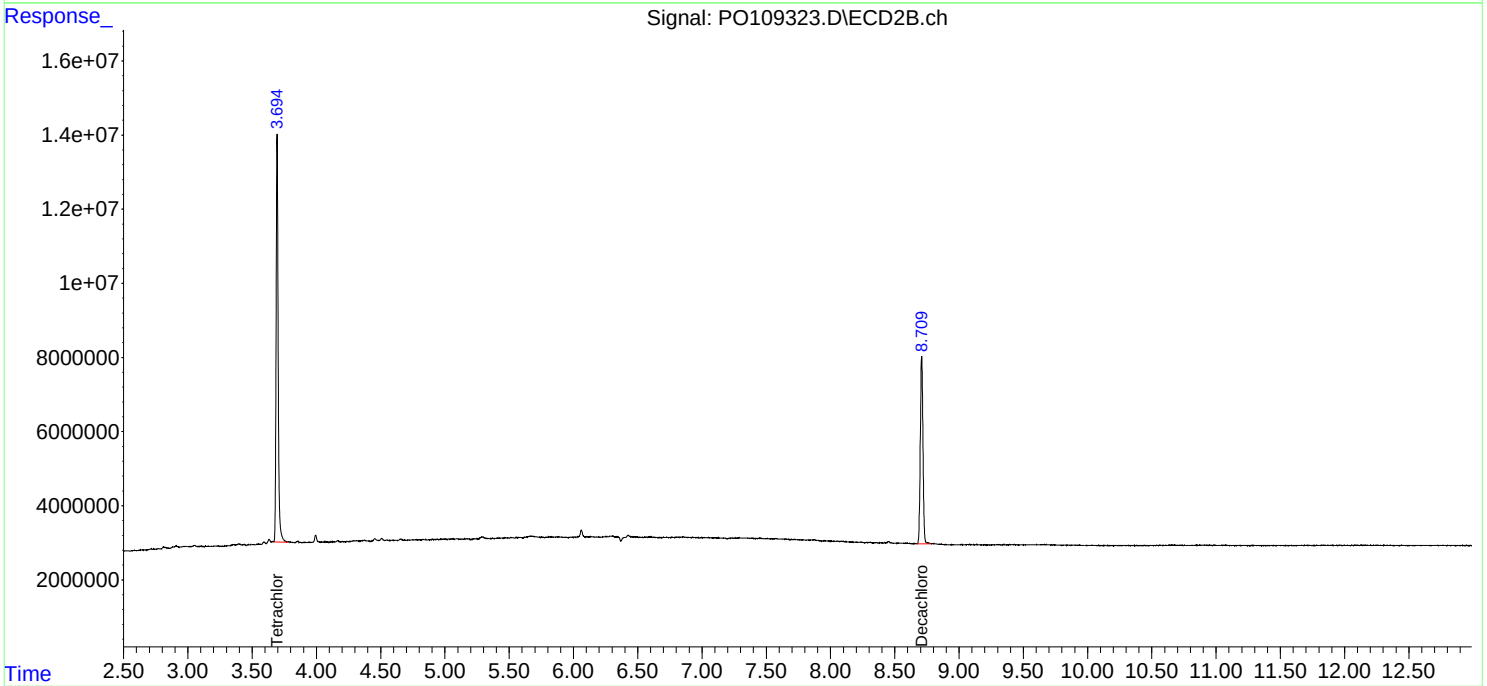
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:35
Operator : YP/AJ
Sample : PB166412BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

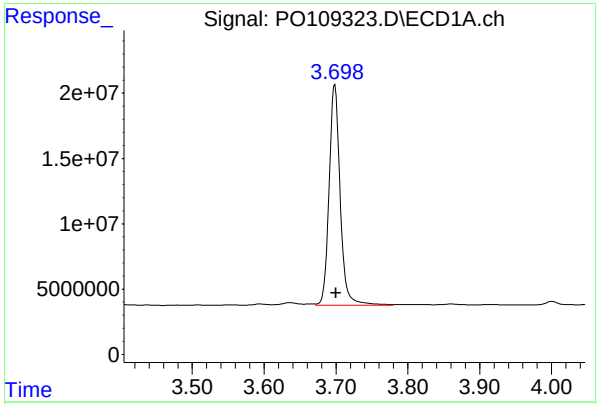
Instrument :
ECD_O
ClientSampleId :
PB166412BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 12:32:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



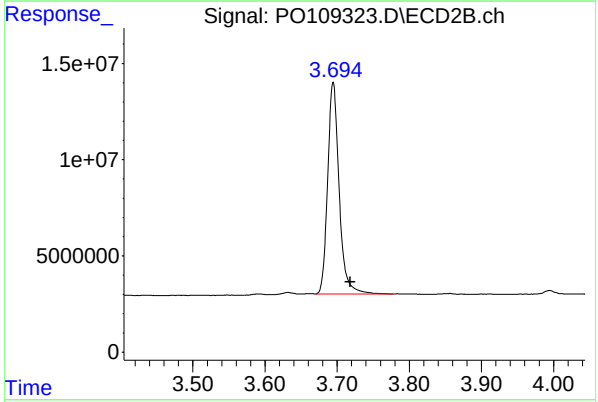




#1 Tetrachloro-m-xylene

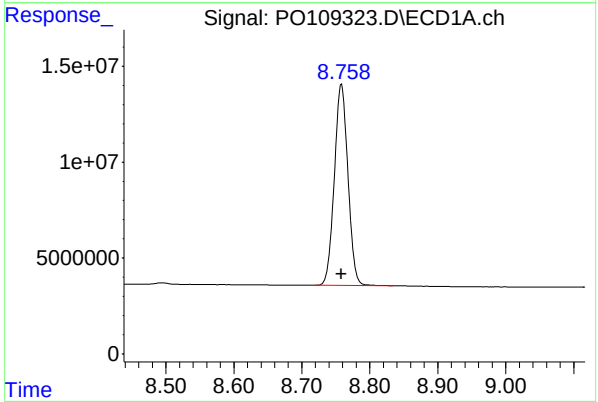
R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 181804516
Conc: 24.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166412BL



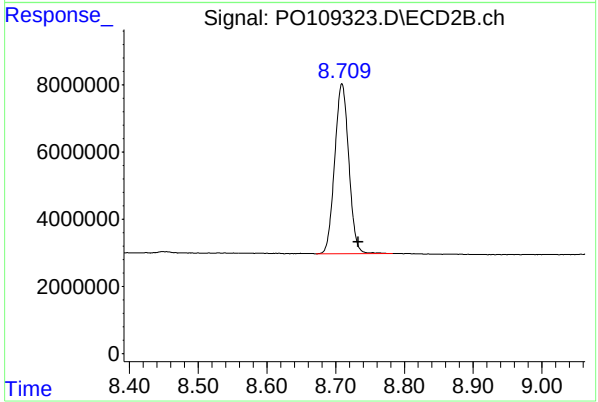
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: -0.024 min
Response: 121779469
Conc: 22.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 145523967
Conc: 21.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: -0.024 min
Response: 72228578
Conc: 21.00 ng/ml

Raw Data: **PO108981.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/21/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/21/25
Client Sample ID:	PIBLK-PO108981.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO108981.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO108981.D	1		01/21/25	PO012125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		60 - 140	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 140	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

Quantitation Report (QT Reviewed)

Sample Results: **PO108981.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 17:18
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: Jan 22 03:47:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.697	165.2E6	110.2E6	21.861	20.550
2)	SA Decachlor...	8.759	8.710	149.9E6	75263032	21.635	21.887
	Target Compounds						

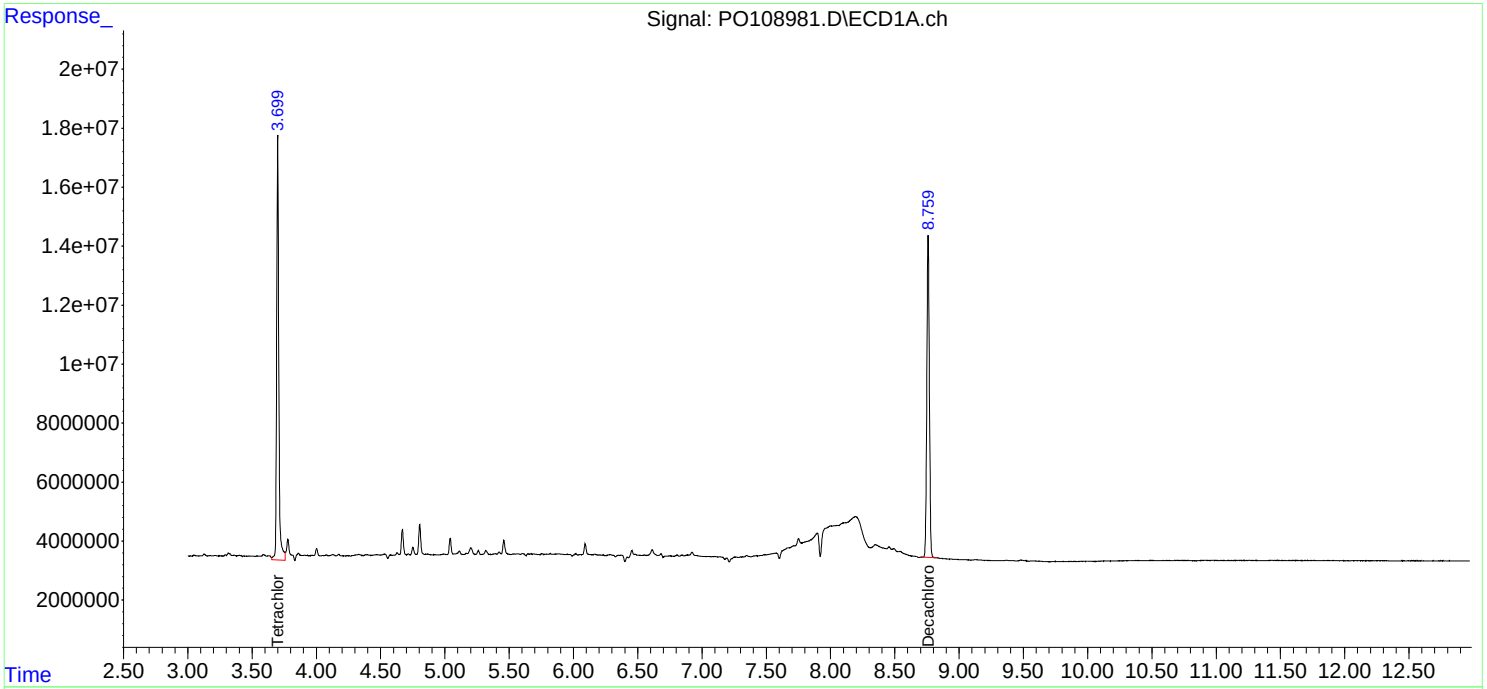
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

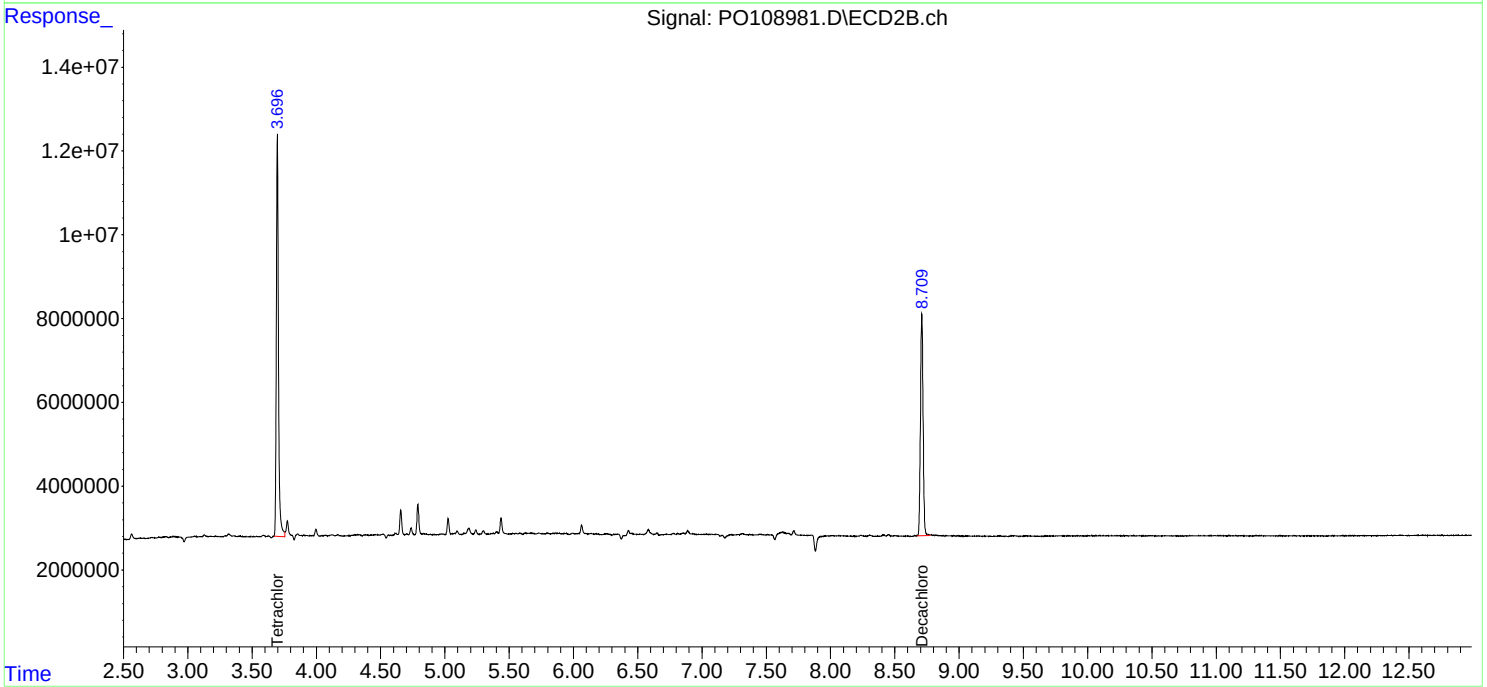
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 17:18
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

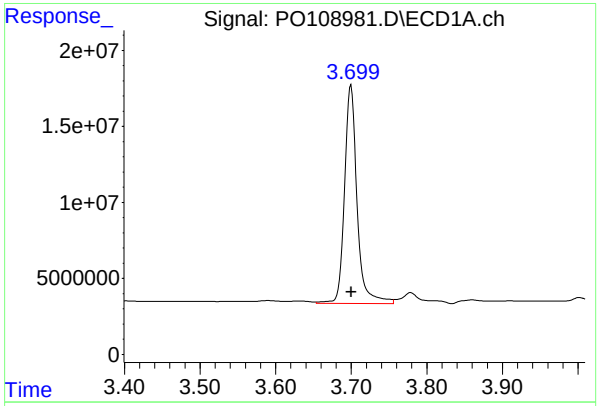
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 22 03:47:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



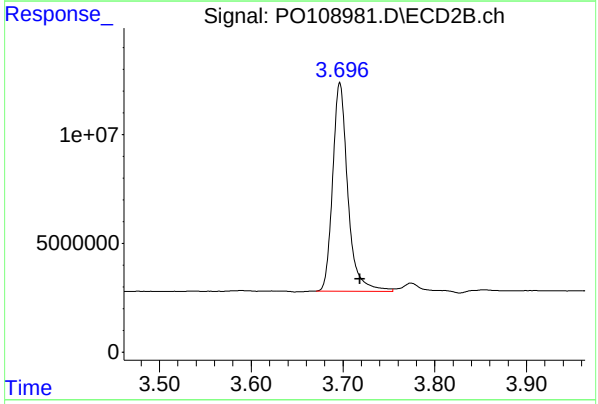




#1 Tetrachloro-m-xylene

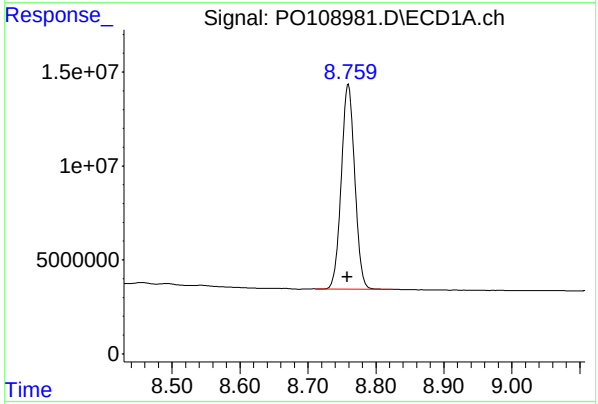
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 165192927
Conc: 21.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



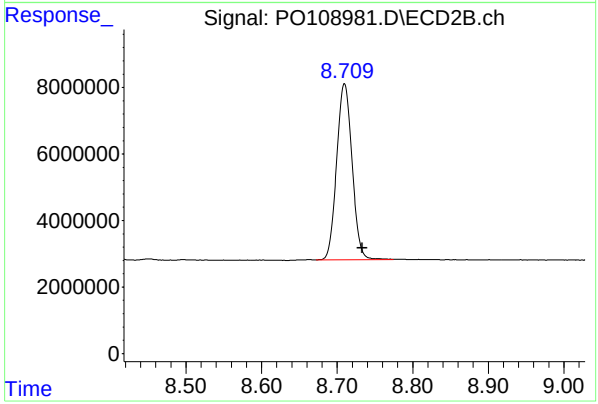
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.022 min
Response: 110153001
Conc: 20.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.001 min
Response: 149880507
Conc: 21.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.710 min
Delta R.T.: -0.023 min
Response: 75263032
Conc: 21.89 ng/ml

Raw Data: **PO109321.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PIBLK-PO109321.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO109321.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO109321.D	1		01/31/25	PO013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		60 - 140	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		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

Quantitation Report (QT Reviewed)

Sample Results: **PO109321.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 10:29
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: Jan 31 12:30:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.695	153.7E6	102.3E6	20.339	19.089
2)	SA Decachlor...	8.758	8.710	123.3E6	61027668	17.803	17.747
	Target Compounds						

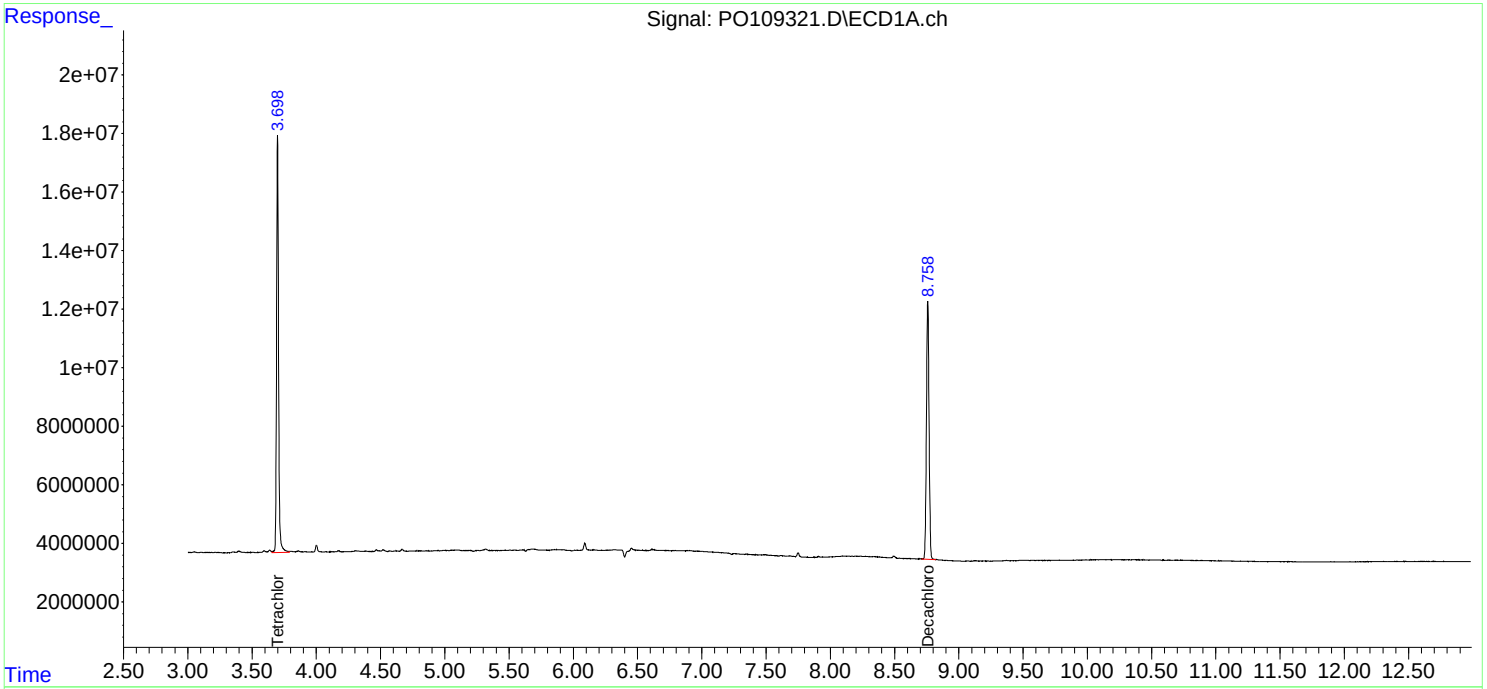
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

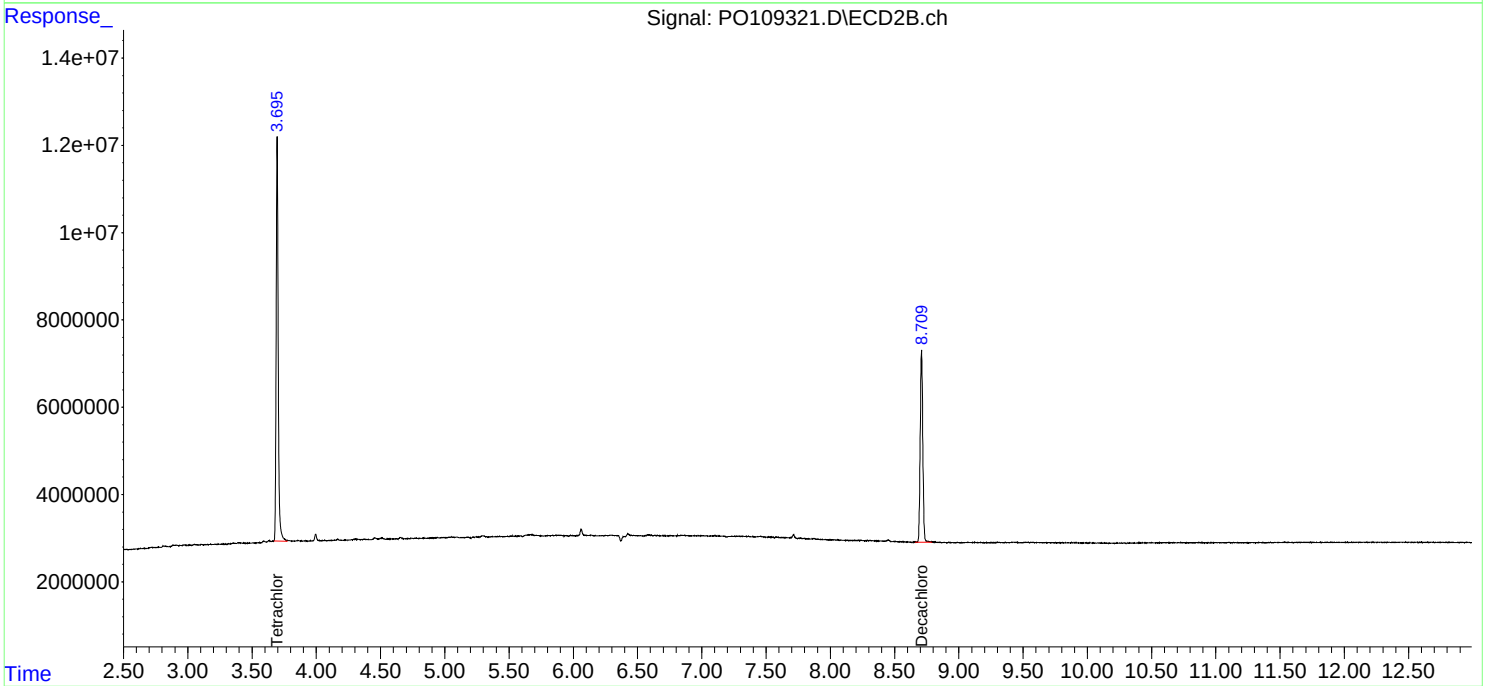
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 10:29
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

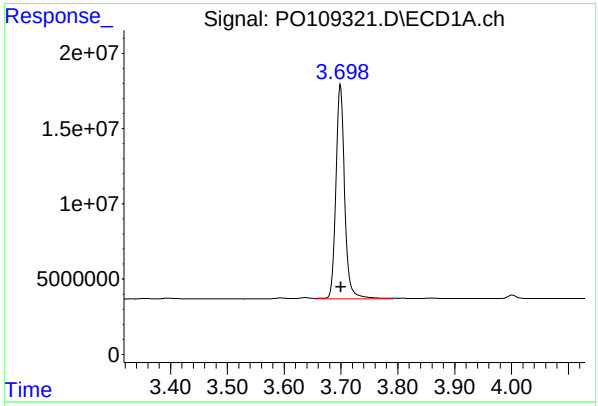
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 12:30:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



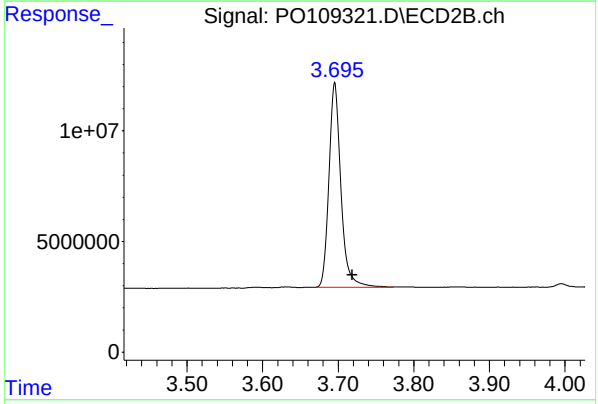




#1 Tetrachloro-m-xylene

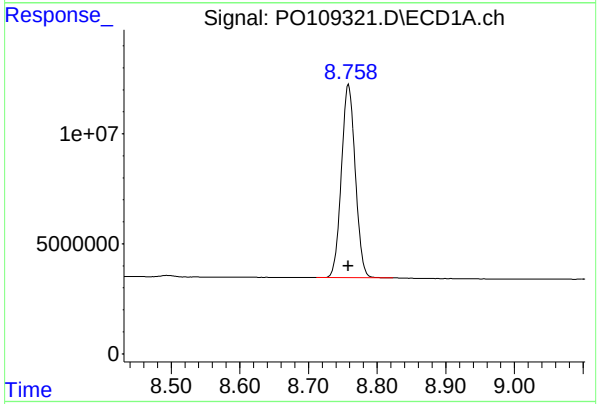
R.T.: 3.699 min
Delta R.T.: -0.001 min
Response: 153693837
Conc: 20.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



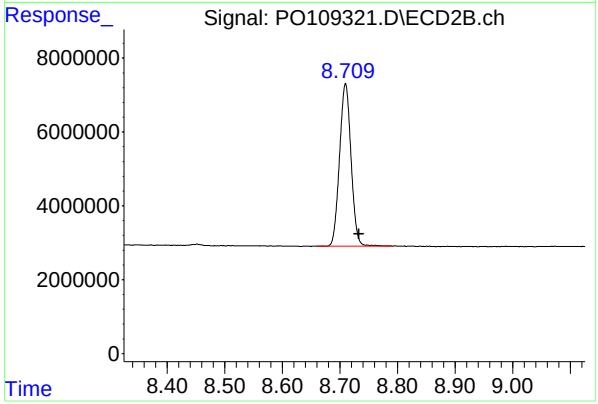
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: -0.023 min
Response: 102325034
Conc: 19.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 123338059
Conc: 17.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.710 min
Delta R.T.: -0.023 min
Response: 61027668
Conc: 17.75 ng/ml

Raw Data: **PO109335.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PIBLK-PO109335.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO109335.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO109335.D	1		01/31/25	PO013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 140	81%	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

Quantitation Report (QT Reviewed)

Sample Results: **PO109335.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 18:35
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: Feb 01 00:25:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	152.2E6	105.7E6	20.147	19.723
2)	SA Decachlor...	8.759	8.711	111.7E6	58878433	16.118	17.122
	Target Compounds						

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

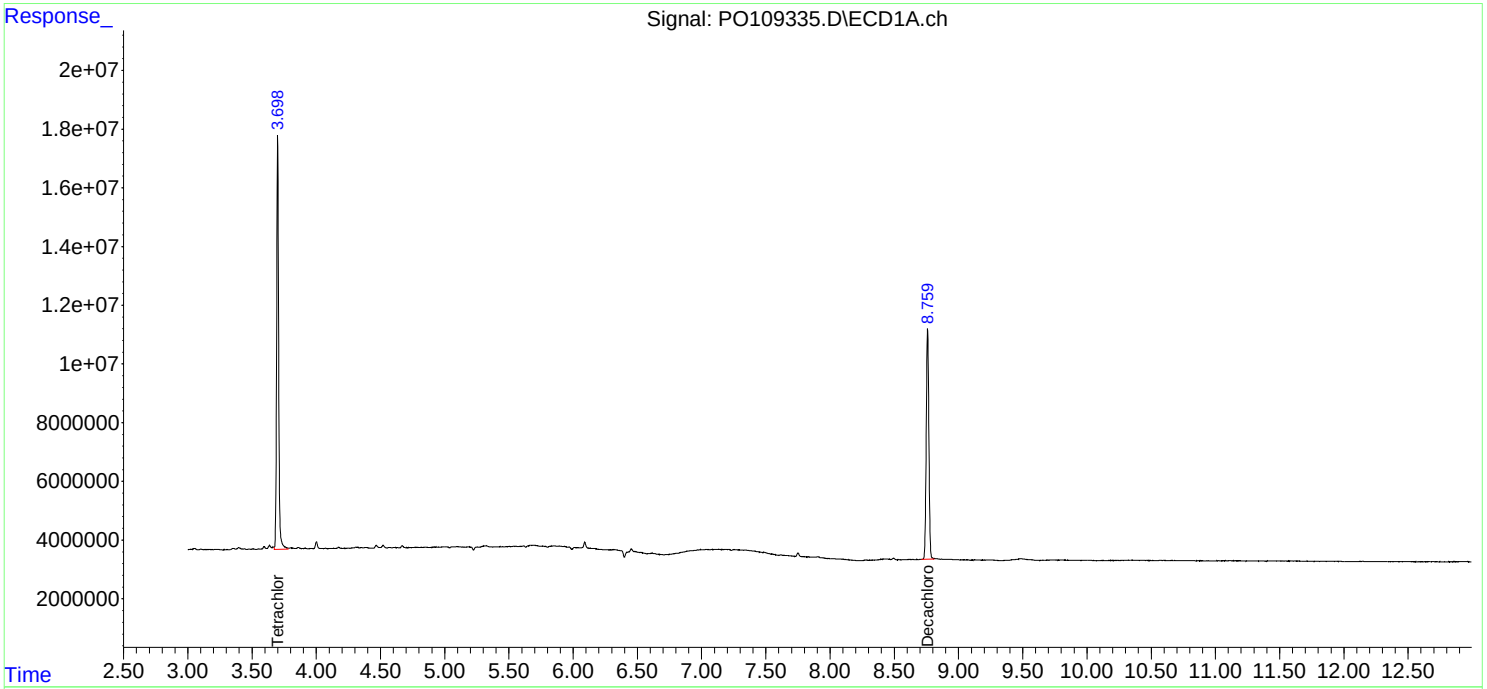
Sample Results: **PO109335.D**

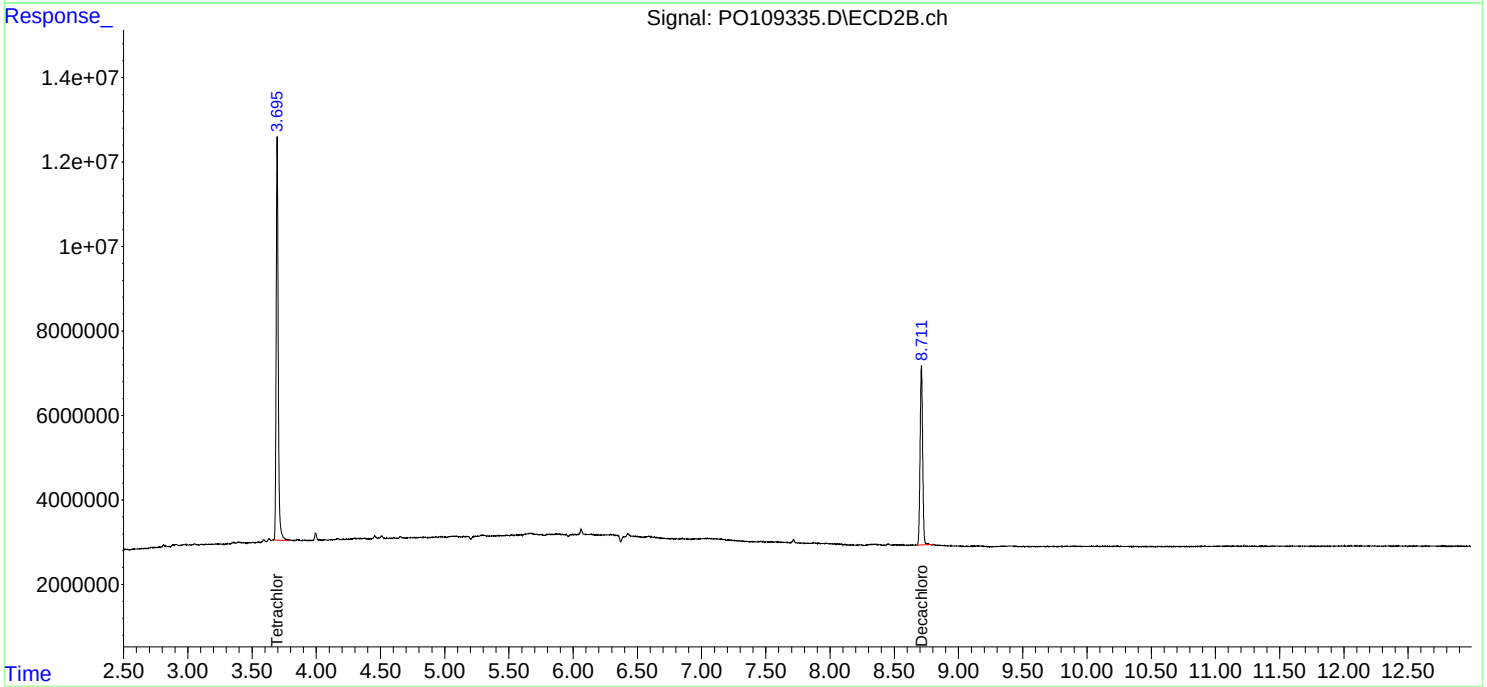
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 18:35
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

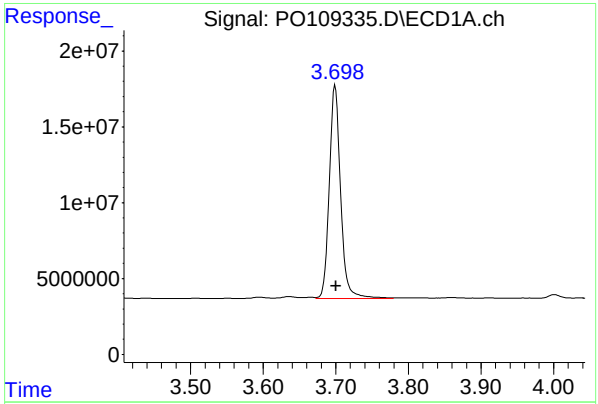
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:25:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



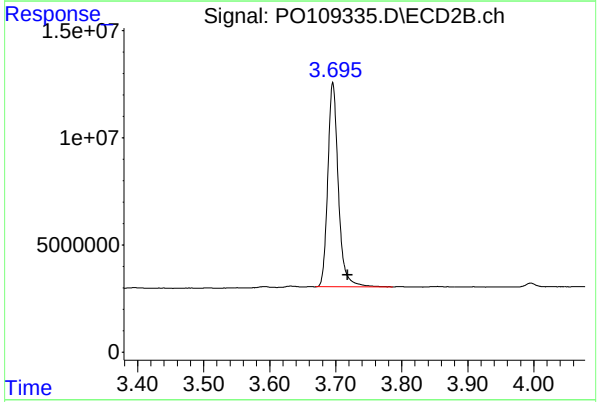




#1 Tetrachloro-m-xylene

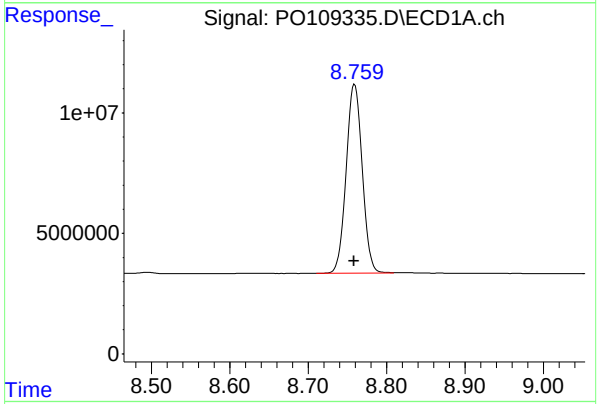
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 152240230
Conc: 20.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



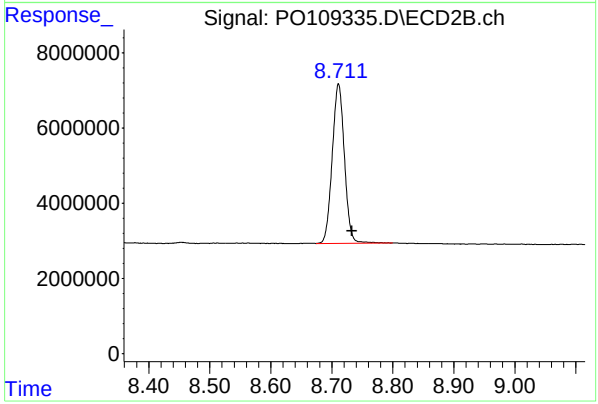
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 105723843
Conc: 19.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.001 min
Response: 111660886
Conc: 16.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 58878433
Conc: 17.12 ng/ml

Raw Data: **PO109348.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PIBLK-PO109348.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO109348.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO109348.D	1		01/31/25	PO013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140	85%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PO109348.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 23:57
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: Feb 01 05:20:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	152.6E6	106.2E6	20.201	19.812
2)	SA Decachlor...	8.760	8.712	118.1E6	60318583	17.048	17.541
	Target Compounds						

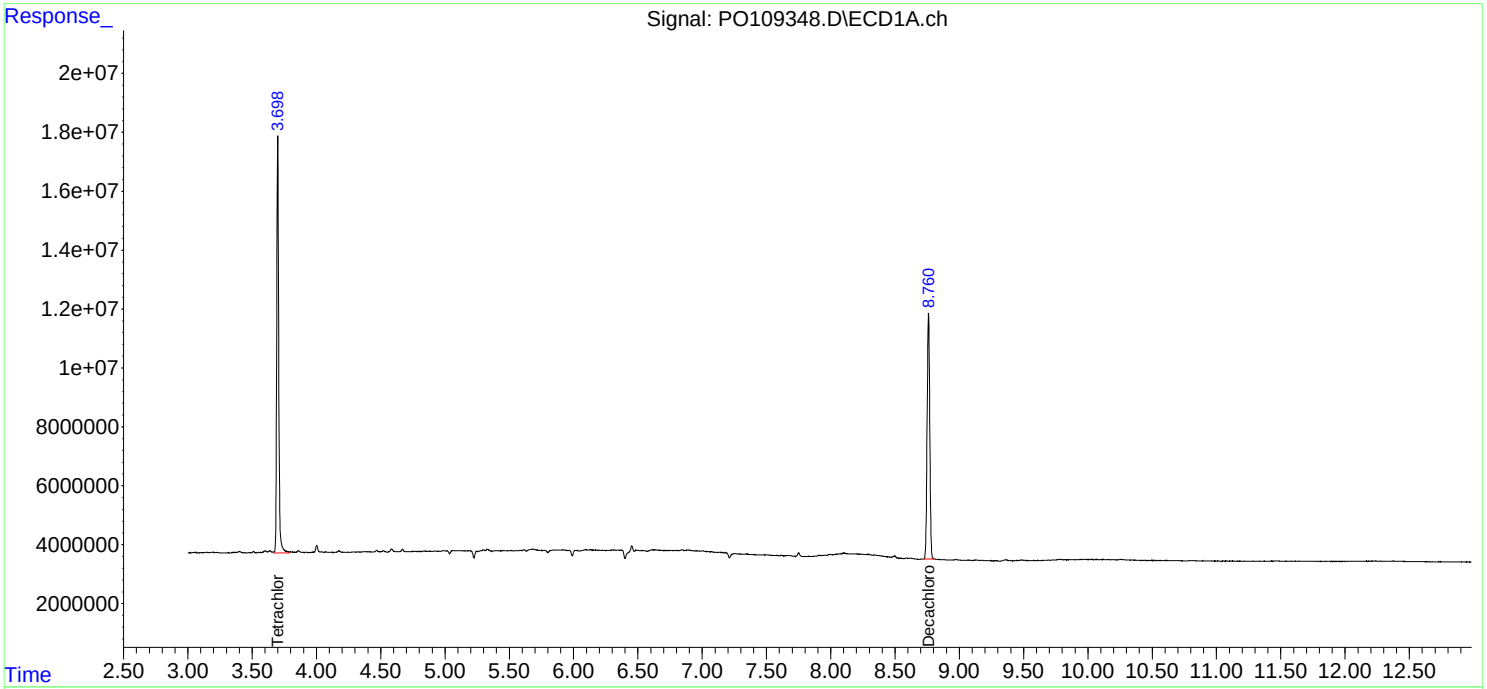
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

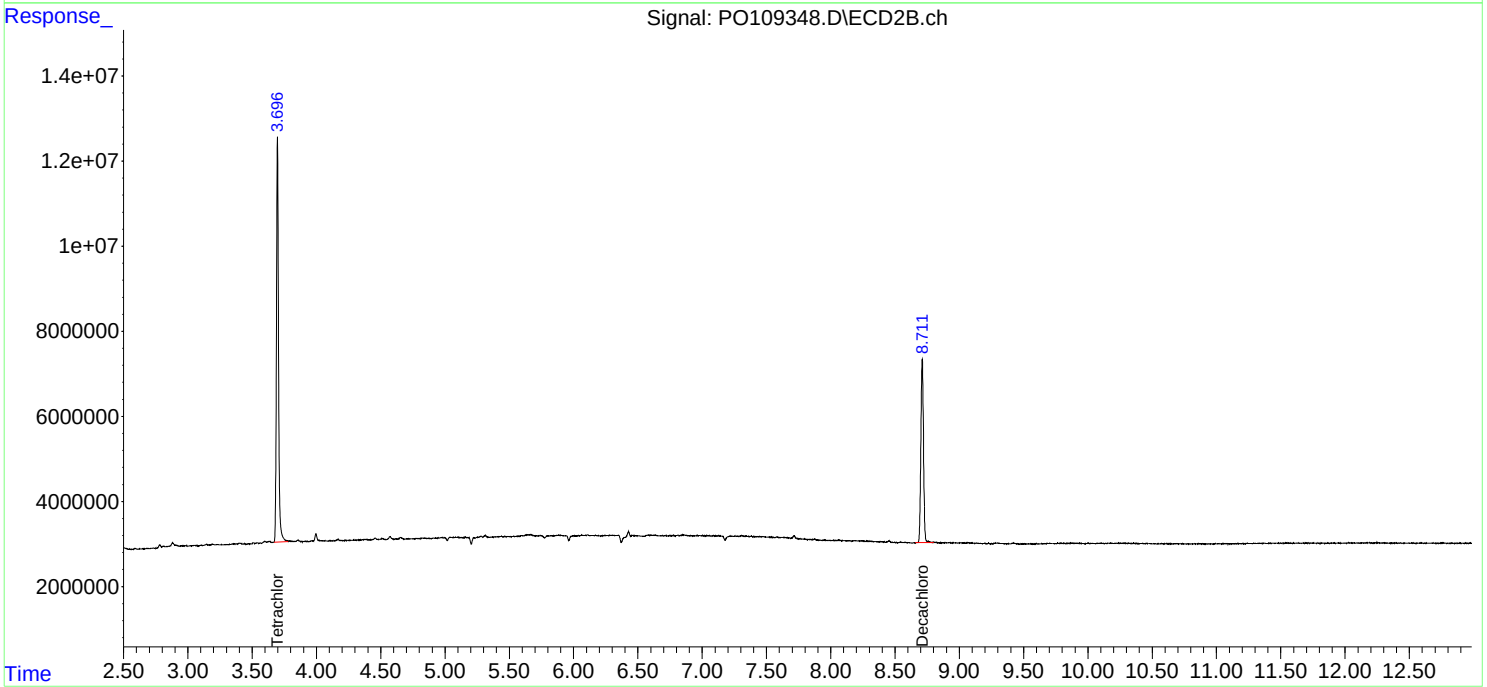
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 23:57
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

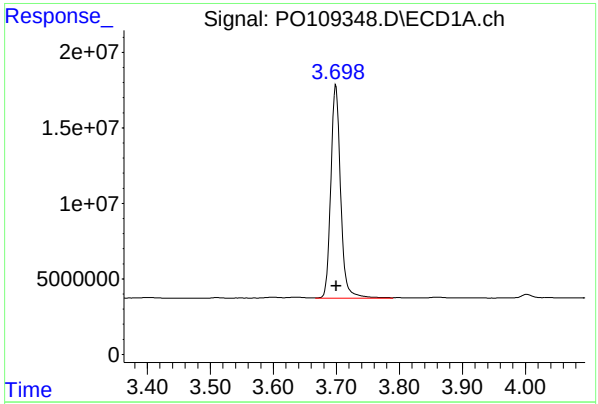
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 05:20:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



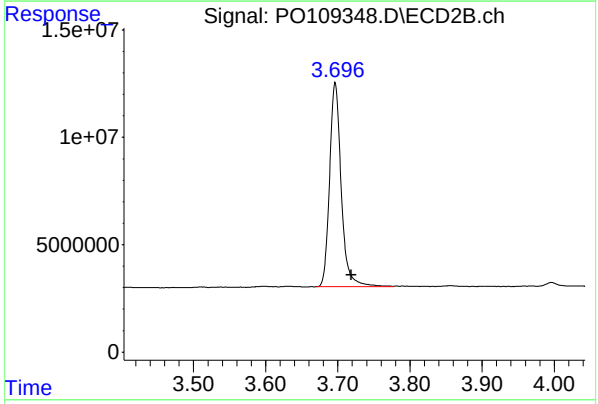




#1 Tetrachloro-m-xylene

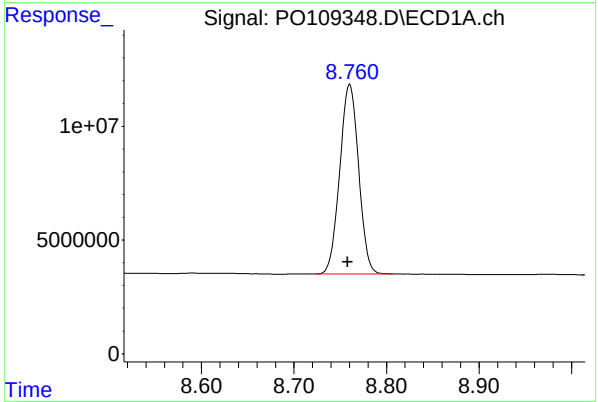
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 152644383
Conc: 20.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



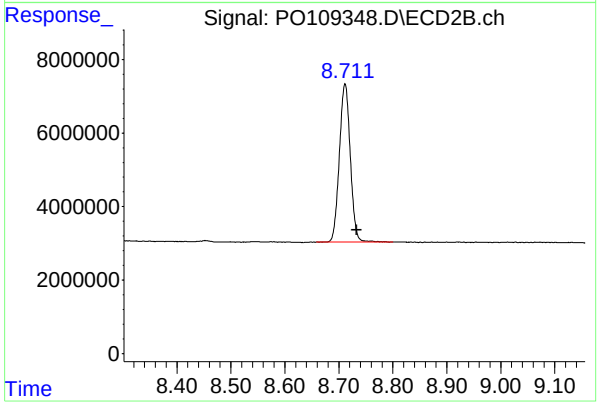
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 106197589
Conc: 19.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.002 min
Response: 118104197
Conc: 17.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.712 min
Delta R.T.: -0.021 min
Response: 60318583
Conc: 17.54 ng/ml

Raw Data: **PO109365.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/01/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/01/25
Client Sample ID:	PIBLK-PO109365.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO109365.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO109365.D	1		02/01/25	PO013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.4		60 - 140	67%	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\PO013125\
Data File : PO109365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 07:01
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: Feb 01 07:20:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	149.5E6	106.8E6	19.786	19.915
2)	SA Decachlor...	8.758	8.709	93010863	51814794	13.426	15.068
	Target Compounds						

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

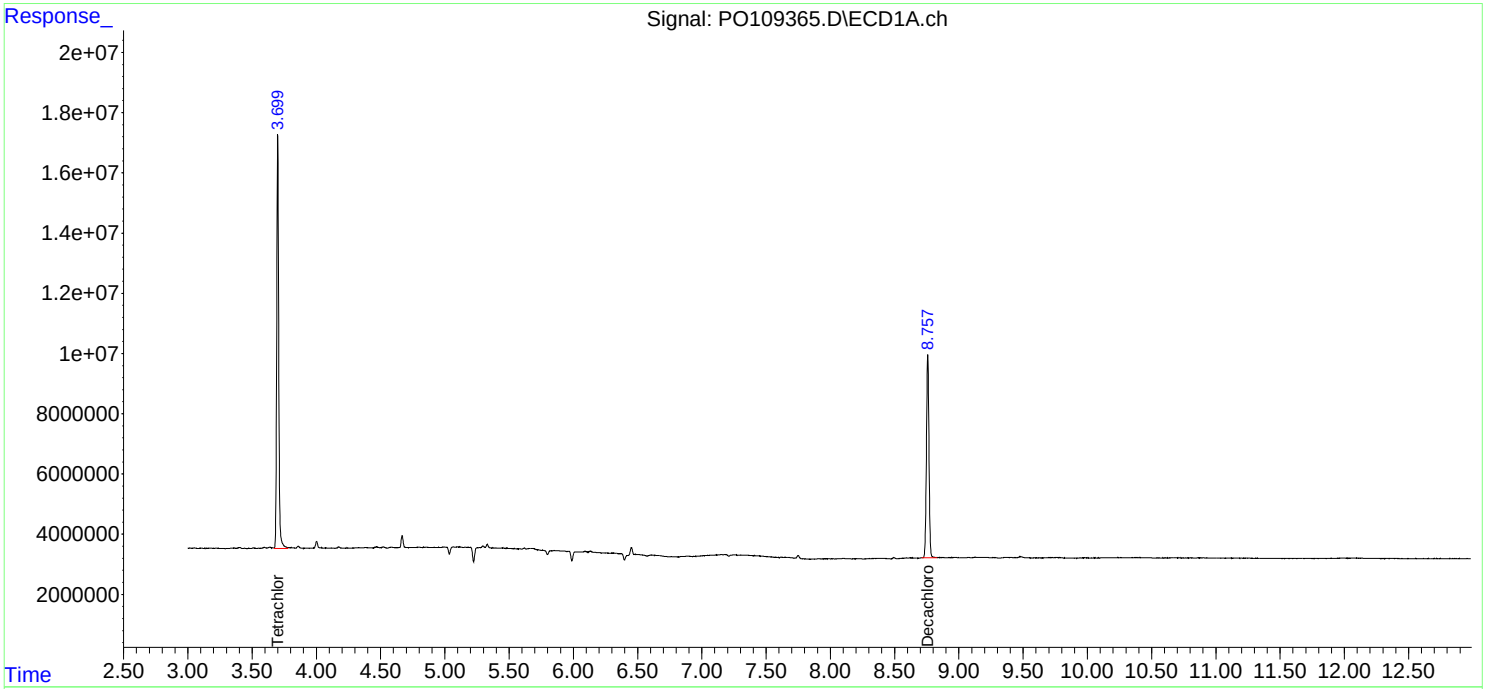
Sample Results: **PO109365.D**

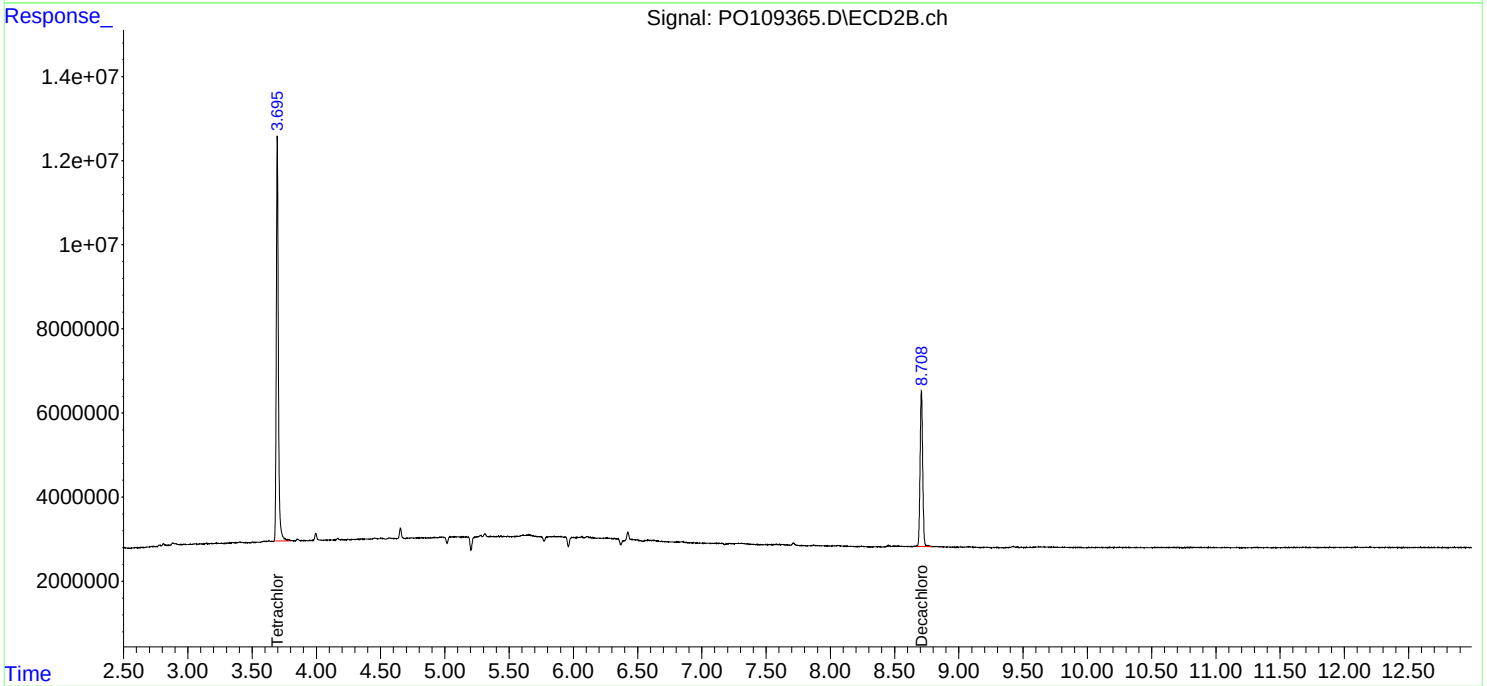
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 07:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

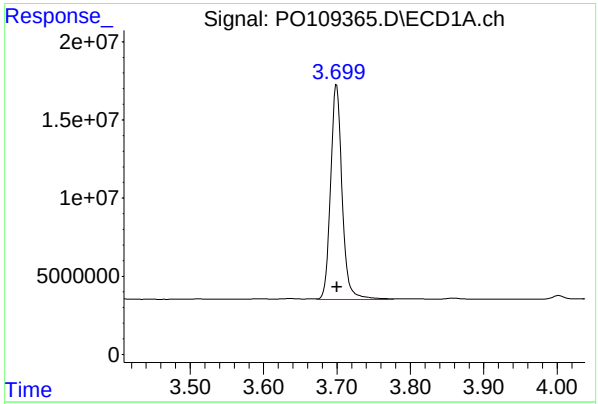
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 07:20:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



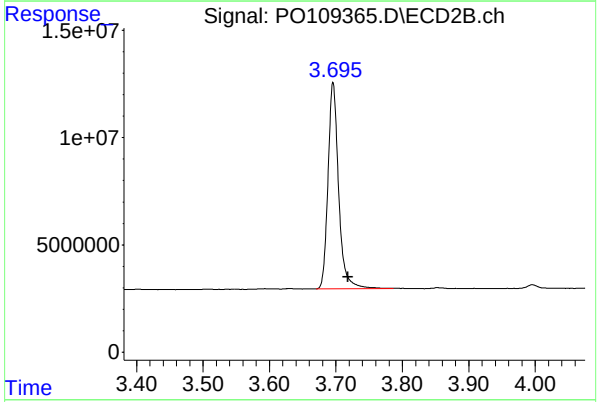




#1 Tetrachloro-m-xylene

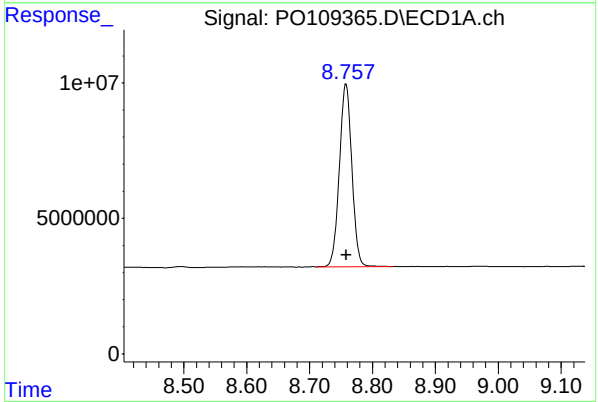
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 149509538
Conc: 19.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



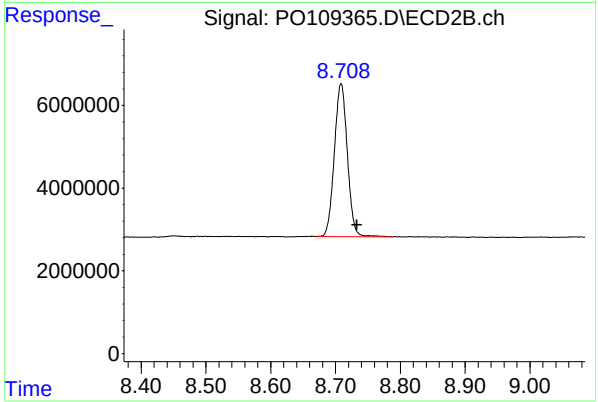
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 106751169
Conc: 19.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 93010863
Conc: 13.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: -0.025 min
Response: 51814794
Conc: 15.07 ng/ml

Raw Data: **PO109369.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/03/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/03/25
Client Sample ID:	PIBLK-PO109369.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO109369.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO109369.D	1		02/03/25	PO020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		10 - 157	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		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_O\Data\PO020325\
Data File : PO109369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:58
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: Feb 04 09:20:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.699	3.695	157.3E6	107.4E6	20.753	20.118
2)	SA Decachlor...	8.758	8.708	138.7E6	67306636	21.405	21.598
	Target Compounds						

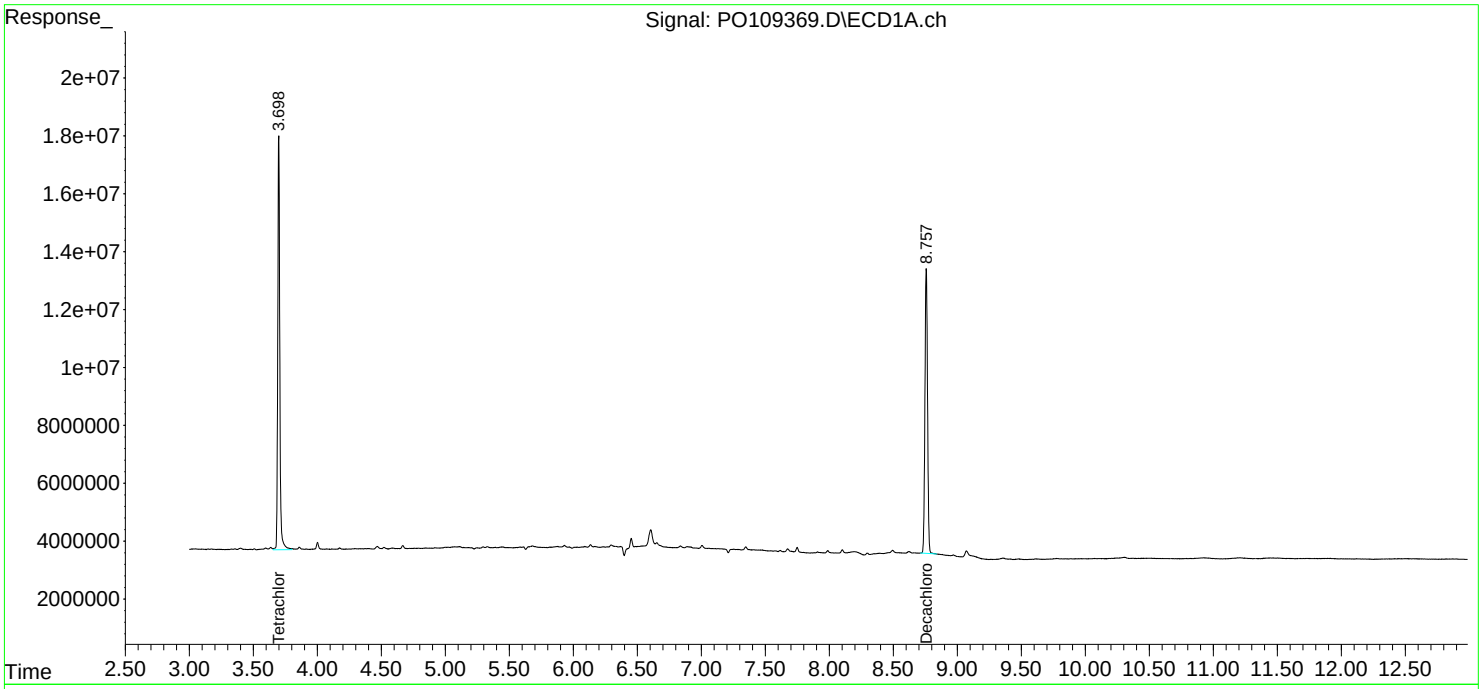
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

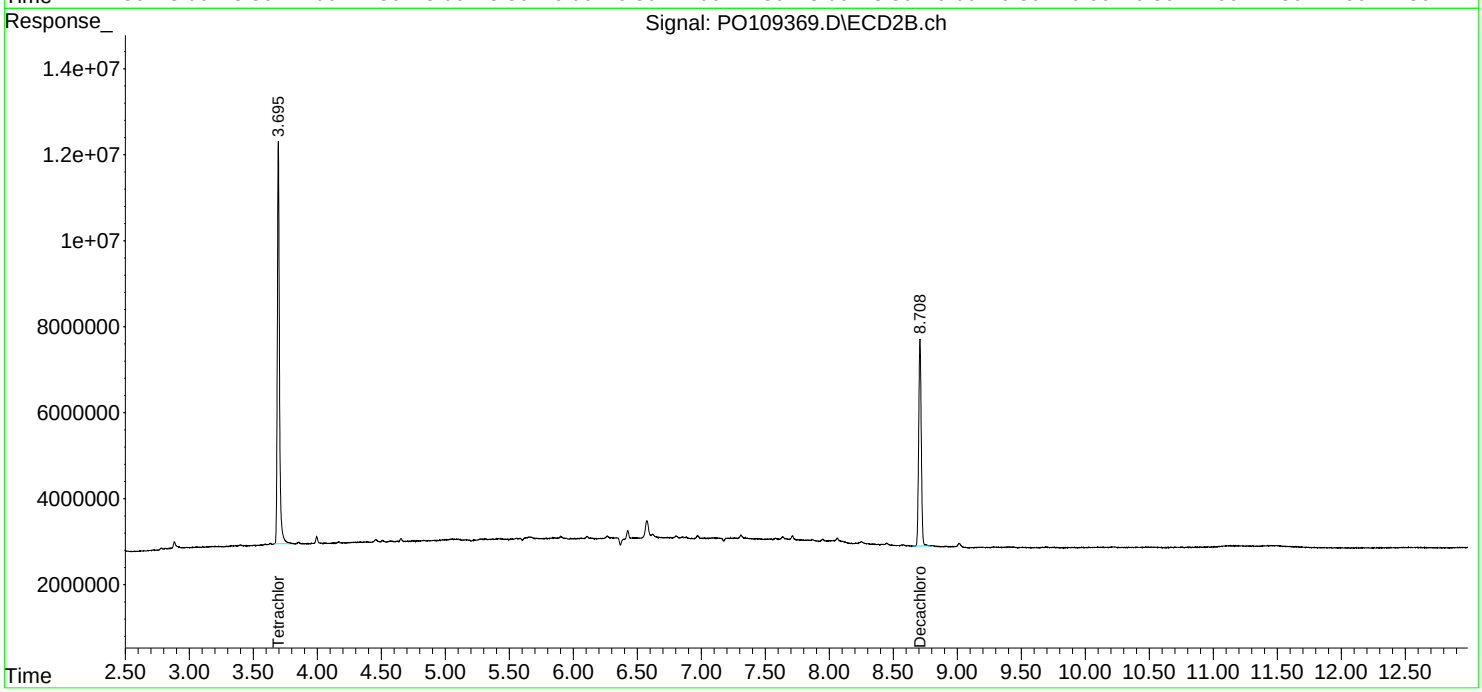
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020325\
Data File : PO109369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:58
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

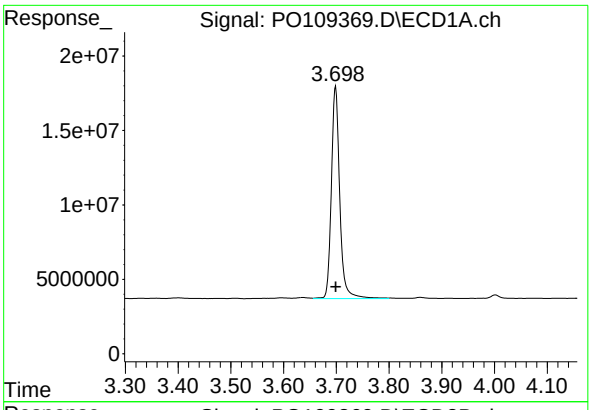
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 09:20:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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



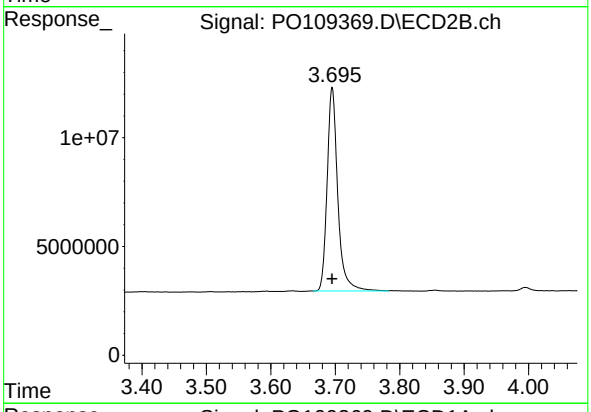




#1 Tetrachloro-m-xylene

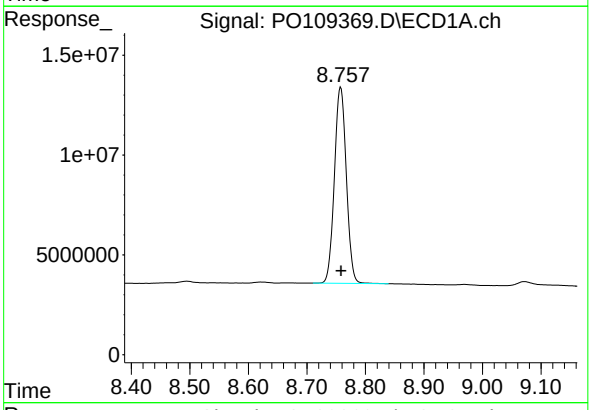
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 157283087
Conc: 20.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



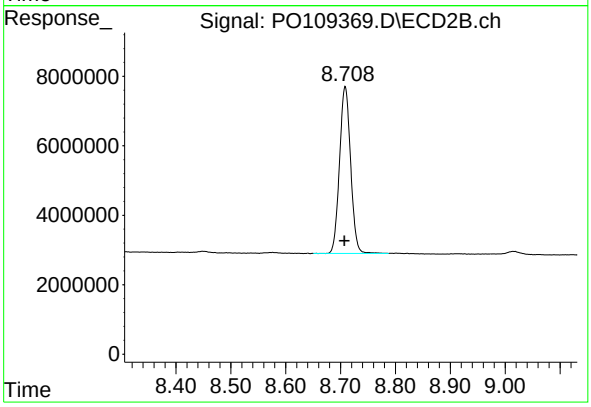
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 107449531
Conc: 20.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 138732132
Conc: 21.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.708 min
Delta R.T.: 0.001 min
Response: 67306636
Conc: 21.60 ng/ml

Raw Data: **PO109406.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/04/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/04/25
Client Sample ID:	PIBLK-PO109406.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO109406.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO109406.D	1		02/04/25	PO020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		60 - 140	115%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PO109406.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:51
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: Feb 05 01:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.698	3.694	172.3E6	112.4E6	22.731	21.040
2)	SA Decachlor...	8.757	8.708	149.1E6	75205180	23.010	24.133
	Target Compounds						

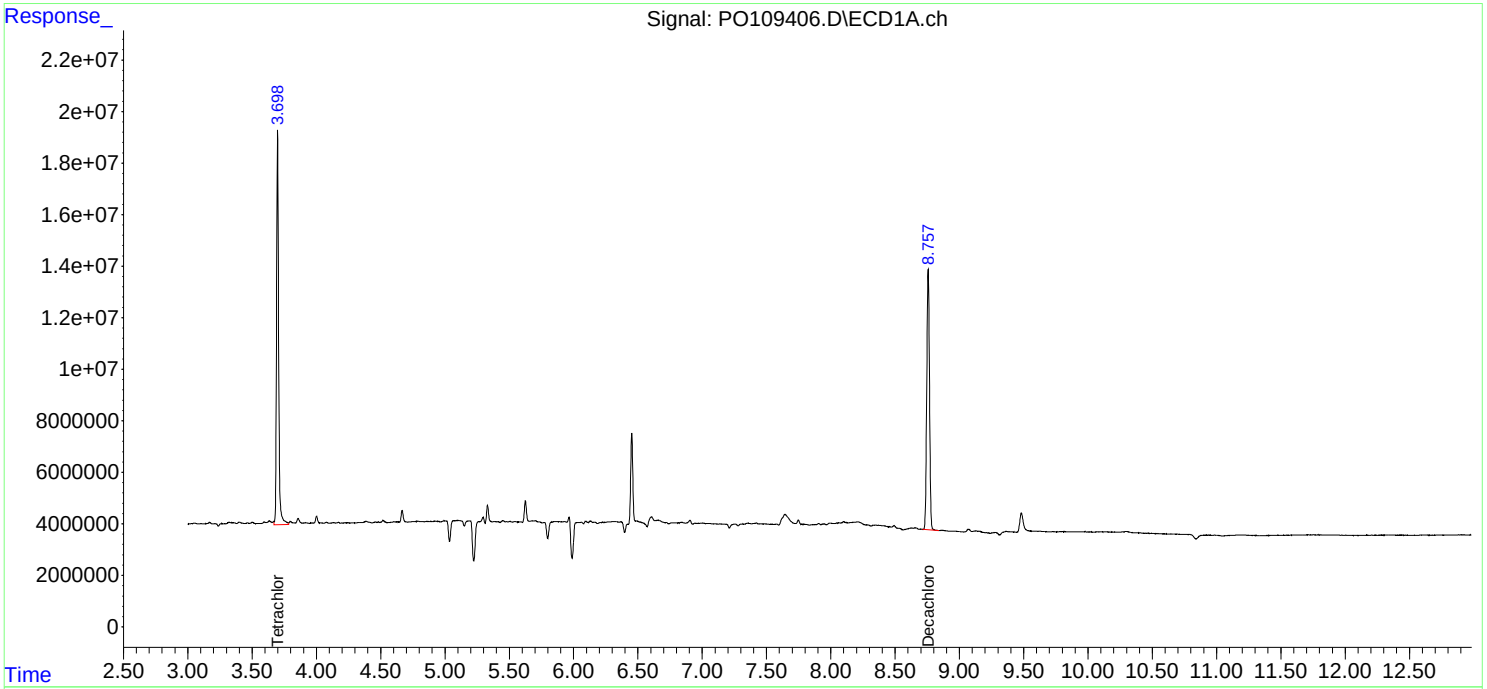
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

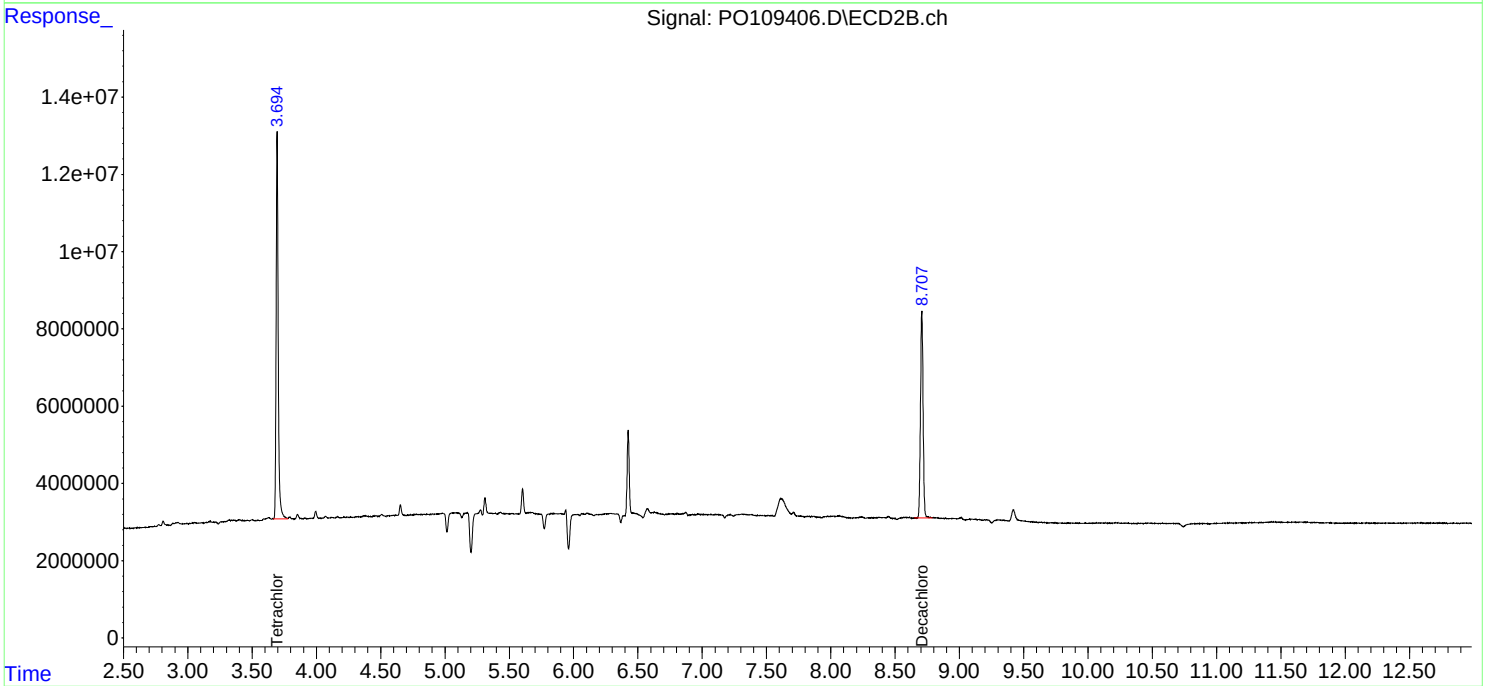
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:51
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

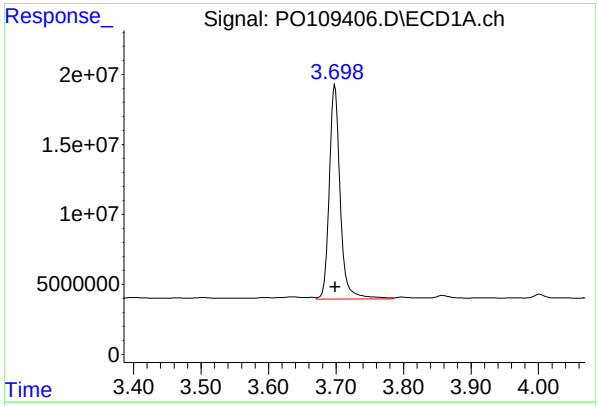
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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



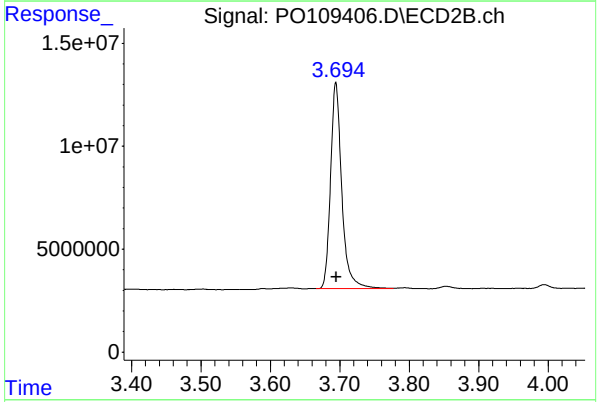




#1 Tetrachloro-m-xylene

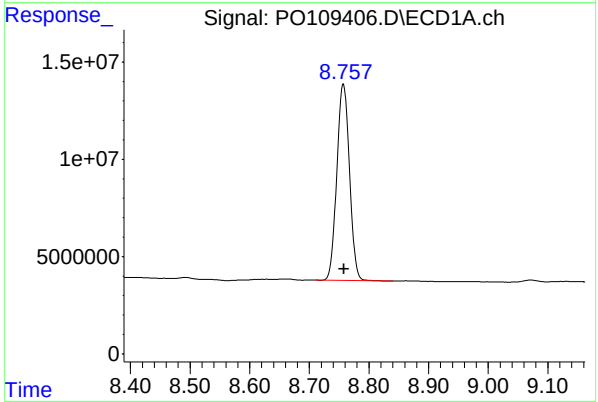
R.T.: 3.698 min
Delta R.T.: 0.000 min
Response: 172278820
Conc: 22.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



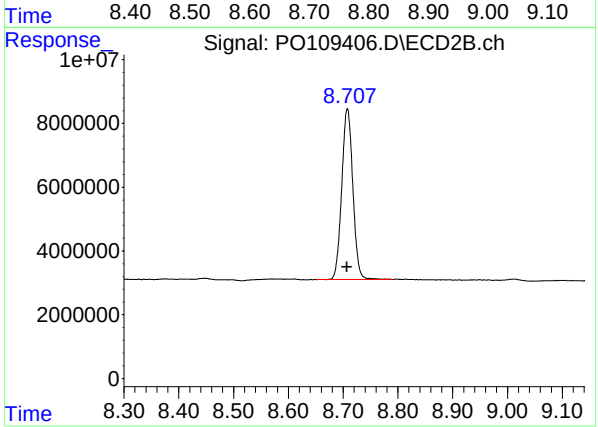
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 112372269
Conc: 21.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 149134574
Conc: 23.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.708 min
Delta R.T.: 0.000 min
Response: 75205180
Conc: 24.13 ng/ml

Raw Data: **PO109423.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/04/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/04/25
Client Sample ID:	PIBLK-PO109423.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PO109423.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PO109423.D	1		02/04/25	PO020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.5		60 - 140	78%	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

Quantitation Report (QT Reviewed)

Sample Results: **PO109423.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 14:16
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: Feb 05 01:48:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.698	3.695	167.7E6	112.5E6	22.133	21.072
2)	SA Decachlor...	8.756	8.707	100.6E6	55315128	15.515	17.750
	Target Compounds						

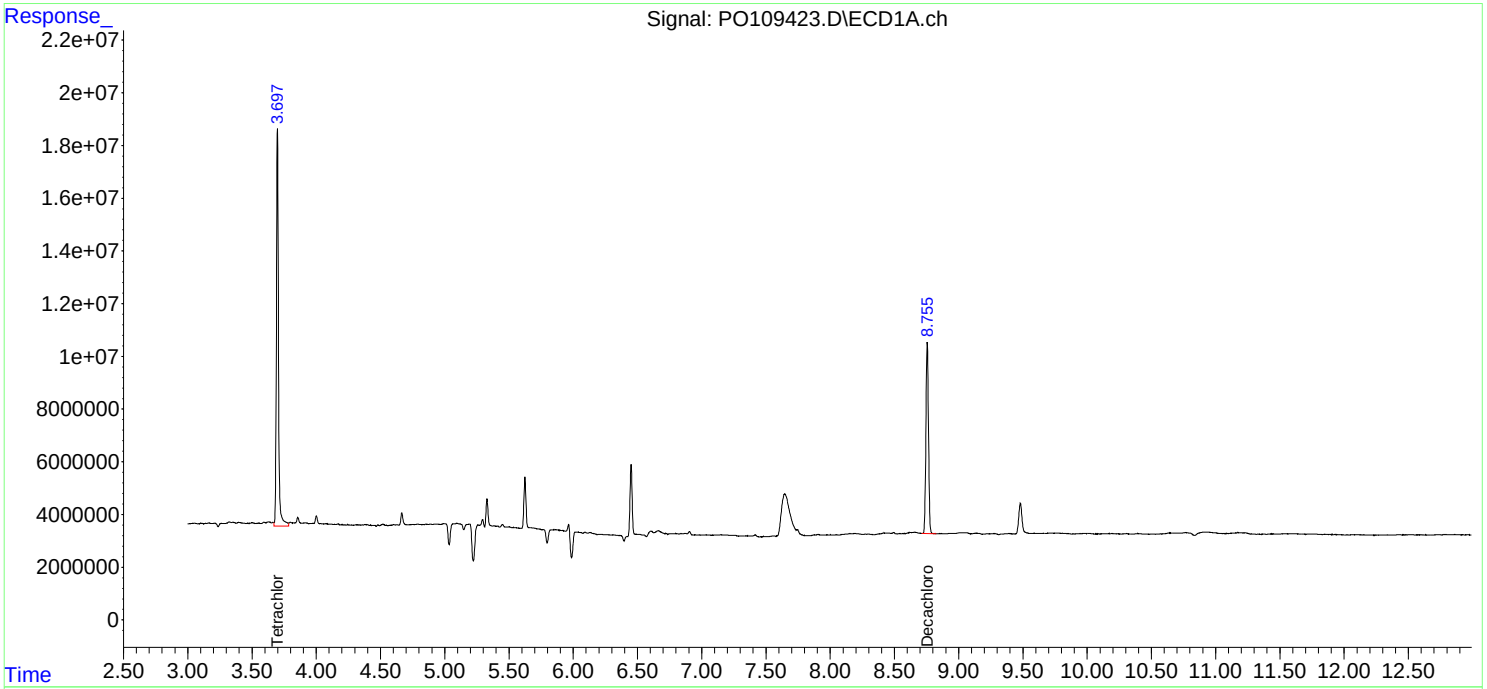
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

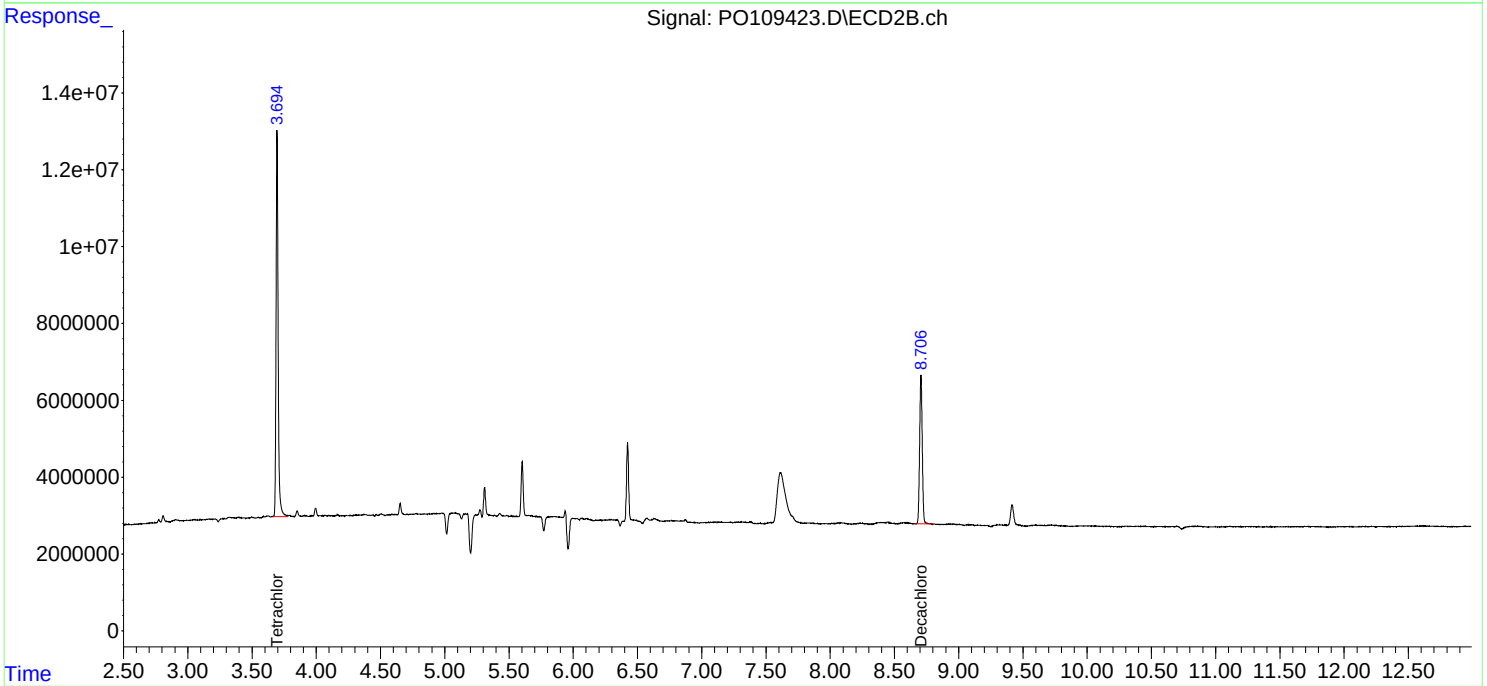
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 14:16
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

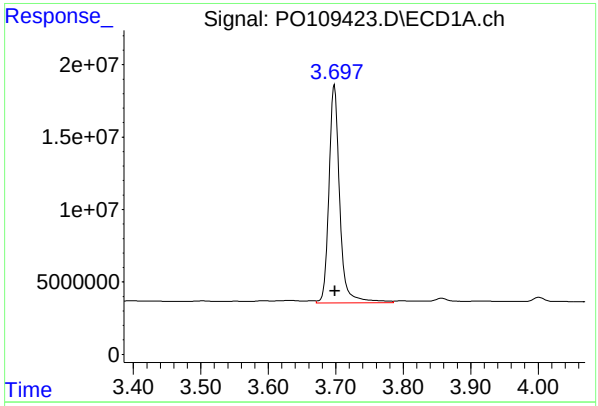
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:48:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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



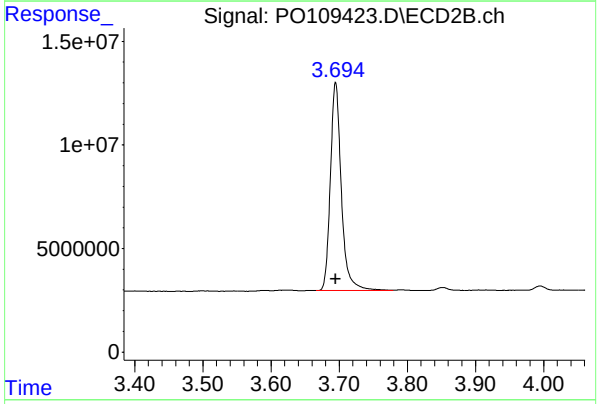




#1 Tetrachloro-m-xylene

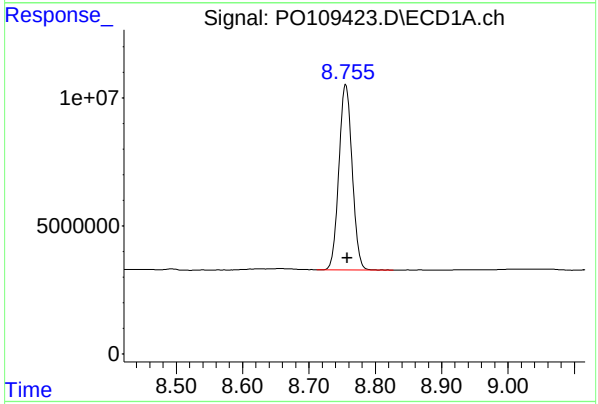
R.T.: 3.698 min
Delta R.T.: -0.001 mi
Response: 167744444
Conc: 22.13 ng/m

Instrument :
ECD_O
ClientSampleId :
I.BLK



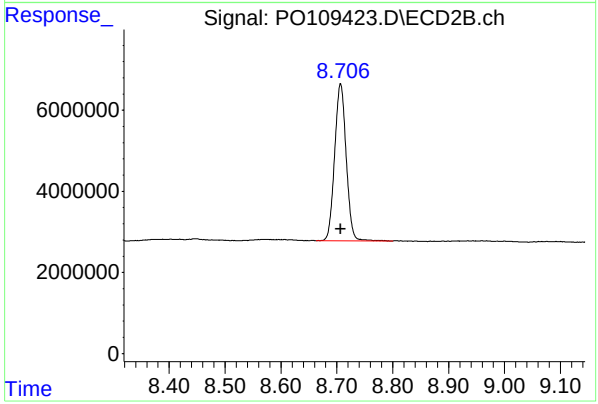
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.000 min
Response: 112544602
Conc: 21.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: -0.003 min
Response: 100559090
Conc: 15.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 55315128
Conc: 17.75 ng/ml

Raw Data: **PO109324.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166412BS	SDG No.:	Q1242
Lab Sample ID:	PB166412BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109324.D	1	01/31/25 08:15	01/31/25 11:53	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	162		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	149		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		32 - 144	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		32 - 175	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PO109324.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:53
Operator : YP/AJ
Sample : PB166412BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166412BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 12:32:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.695	174.6E6	117.9E6	23.105	21.997m
2)	SA Decachlor...	8.758	8.709	150.7E6	73646007	21.751	21.416
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.779	125.0E6	77056848	495.624	475.901m
4)	L1 AR-1016-2	4.813	4.799	170.8E6	113.4E6	495.099	475.985m
5)	L1 AR-1016-3	4.869	4.974	117.9E6	62375269	482.892	478.419m
6)	L1 AR-1016-4	4.990	5.016	93509336	51903261	490.016	469.634m
7)	L1 AR-1016-5	5.247	5.229	97922013	64190116	469.062	447.184m
31)	L7 AR-1260-1	6.289	6.263	187.0E6	120.2E6	490.544	476.877
32)	L7 AR-1260-2	6.478	6.450	227.7E6	140.9E6	484.835	468.316
33)	L7 AR-1260-3	6.847	6.604	164.1E6	130.6E6	419.143	469.184
34)	L7 AR-1260-4	7.107	7.076	152.3E6	92292755	425.544	409.006m
35)	L7 AR-1260-5	7.349	7.316	351.3E6	208.0E6	420.876	415.449

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:53
Operator : YP/AJ
Sample : PB166412BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

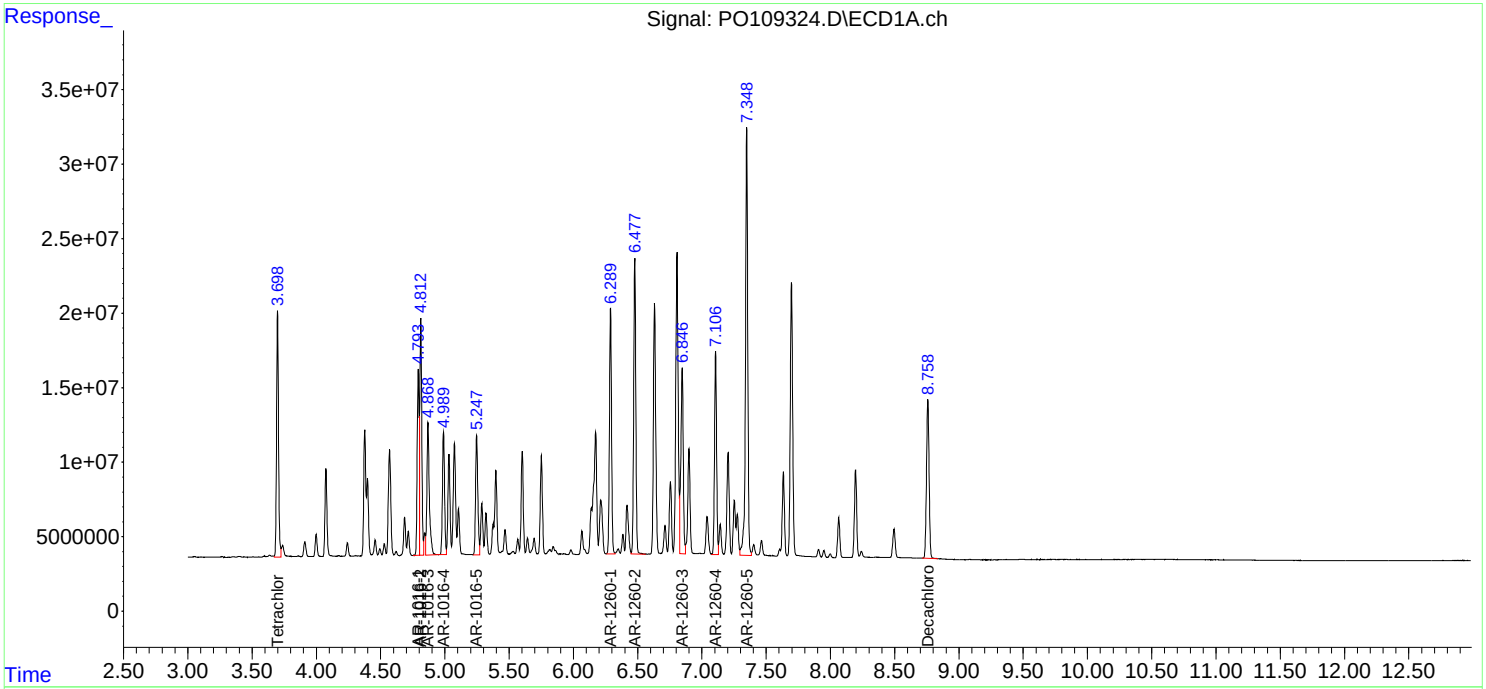
Instrument :
ECD_O
ClientSampleId :
PB166412BS

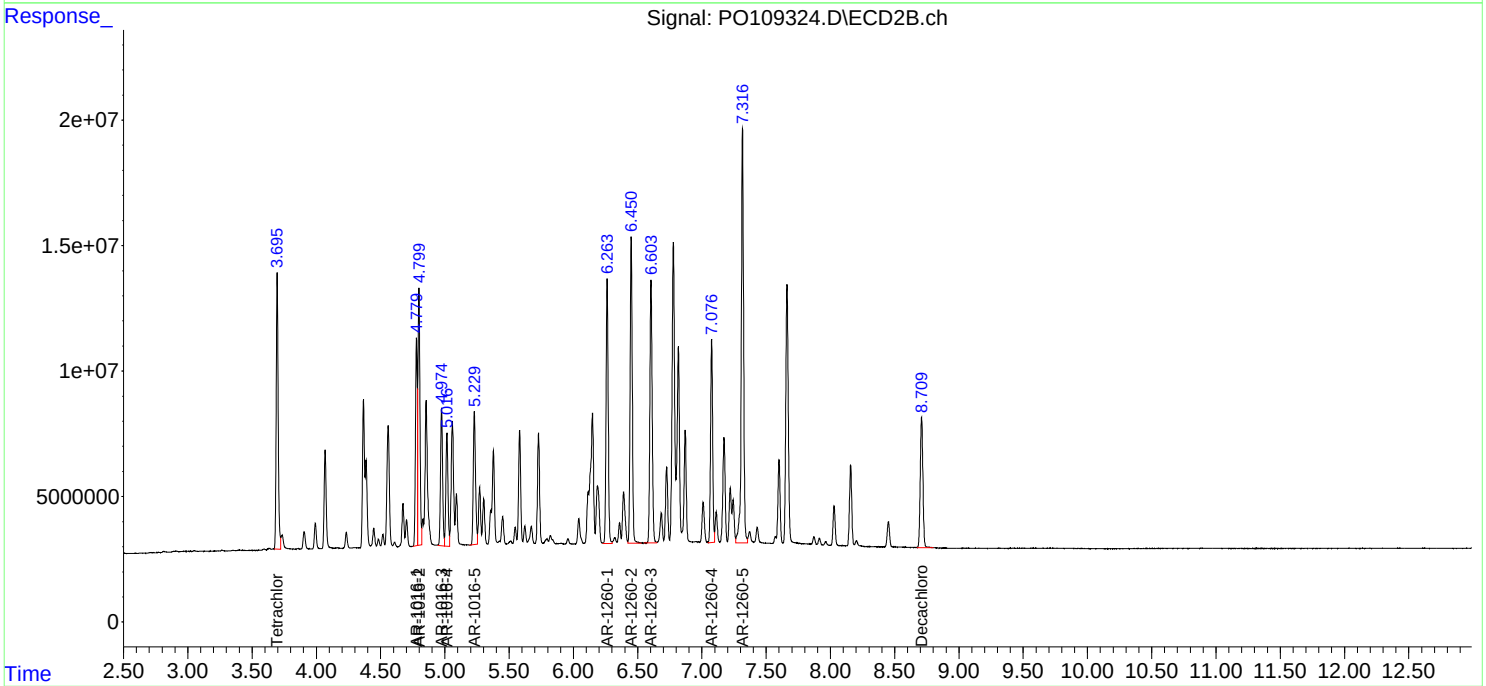
Manual Integrations APPROVED

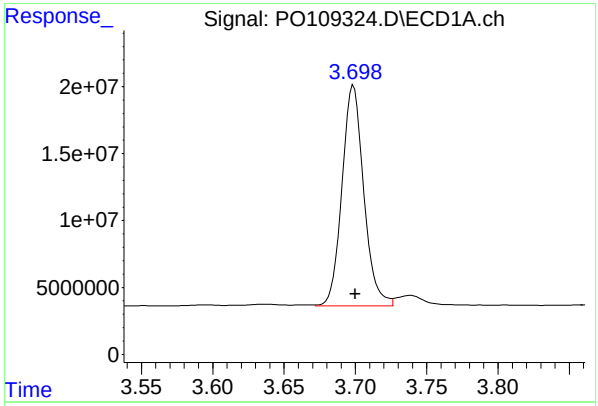
Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 12:32:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







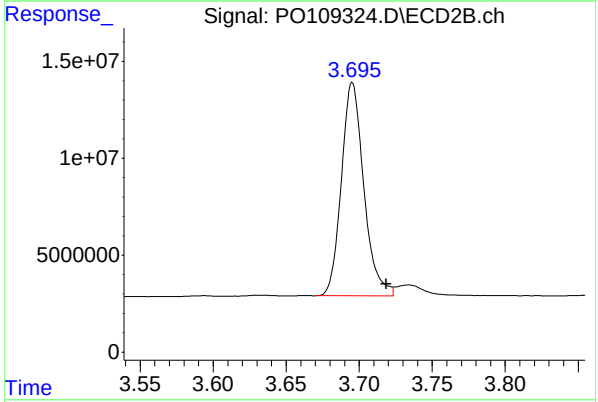
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: -0.001 mi
Response: 174588111
Conc: 23.10 ng/m

Instrument :
ECD_O
ClientSampleId :
PB166412BS

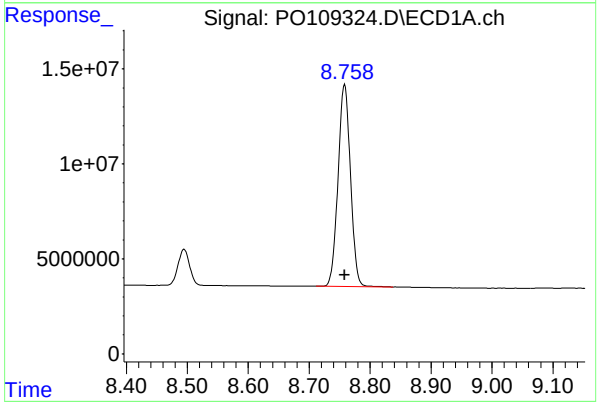
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



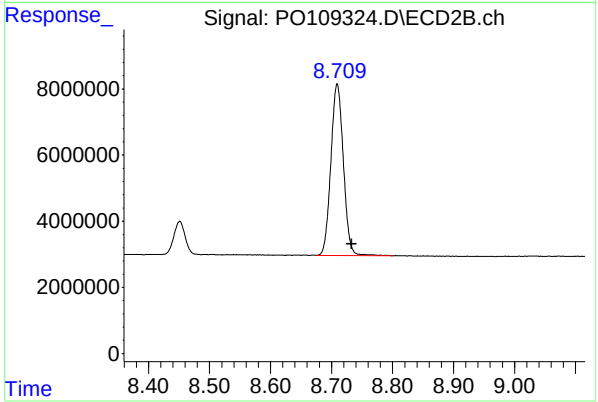
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: -0.024 min
Response: 117913383
Conc: 22.00 ng/ml m



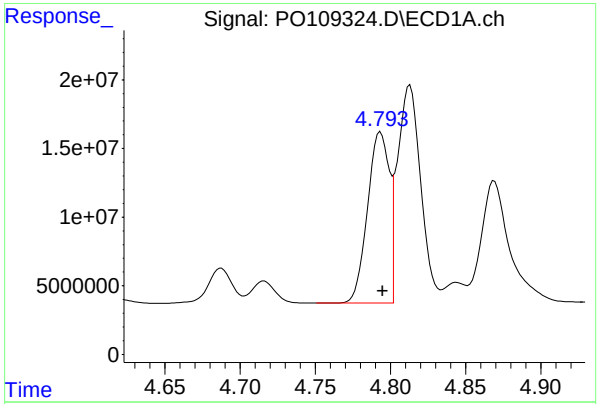
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 150688864
Conc: 21.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: -0.024 min
Response: 73646007
Conc: 21.42 ng/ml



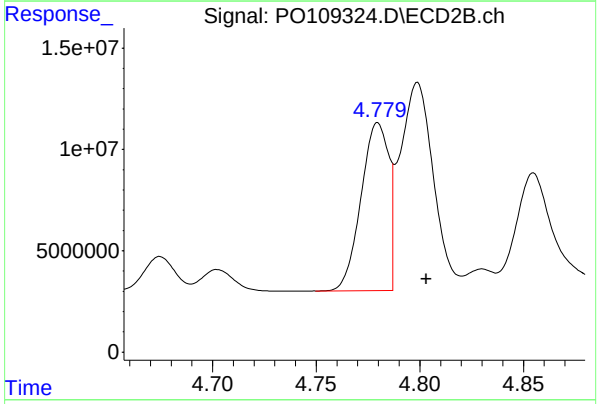
#3 AR-1016-1

R.T.: 4.793 min
Delta R.T.: -0.002 mi
Response: 125039169
Conc: 495.62 ng/m

Instrument :
ECD_O
ClientSampleId :
PB166412BS

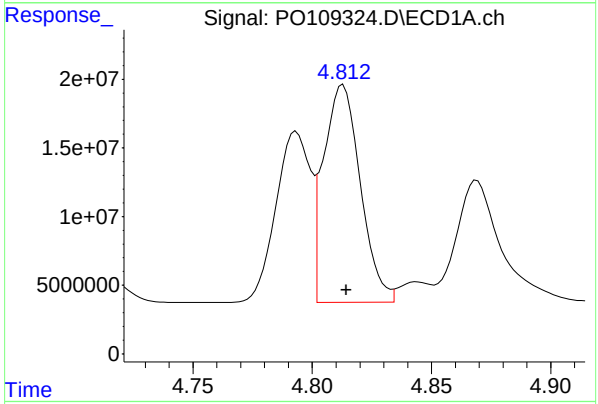
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



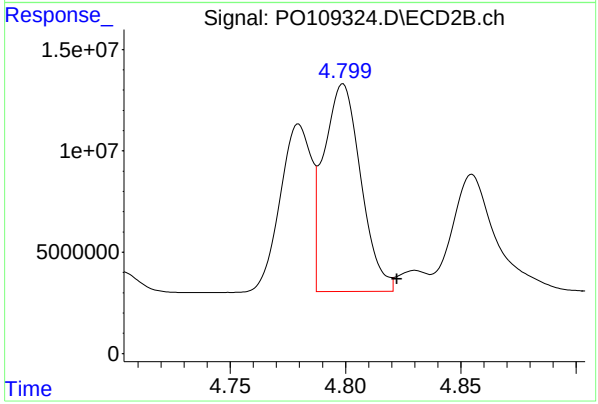
#3 AR-1016-1

R.T.: 4.779 min
Delta R.T.: -0.024 min
Response: 77056848
Conc: 475.90 ng/ml m



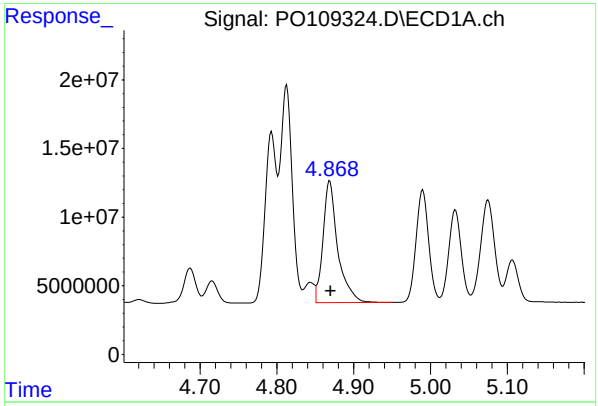
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: -0.001 min
Response: 170752156
Conc: 495.10 ng/ml



#4 AR-1016-2

R.T.: 4.799 min
Delta R.T.: -0.024 min
Response: 113396779
Conc: 475.98 ng/ml m



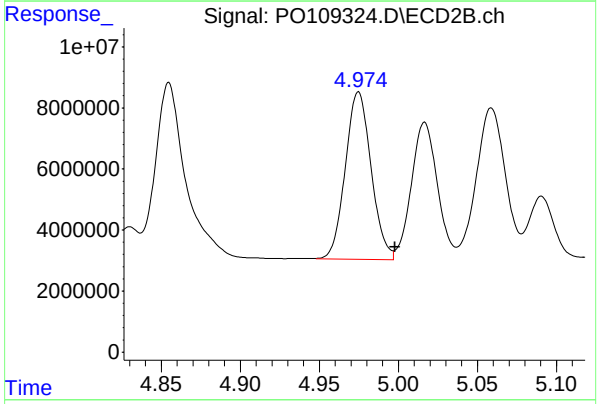
#5 AR-1016-3

R.T.: 4.869 min
Delta R.T.: 0.000 mi
Response: 117881965
Conc: 482.89 ng/m

Instrument :
ECD_O
ClientSampleId :
PB166412BS

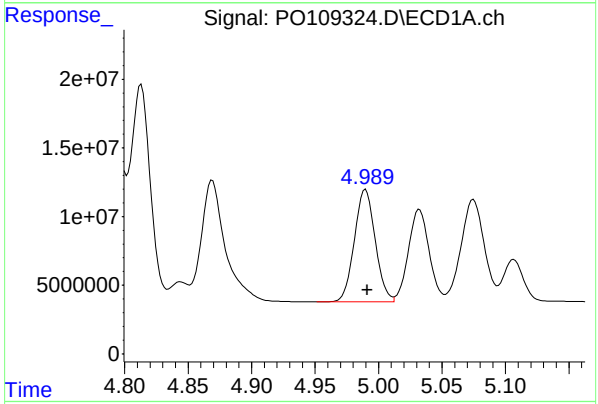
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



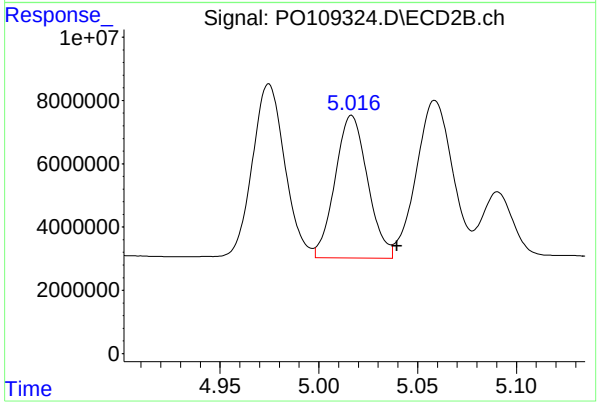
#5 AR-1016-3

R.T.: 4.974 min
Delta R.T.: -0.024 min
Response: 62375269
Conc: 478.42 ng/ml m



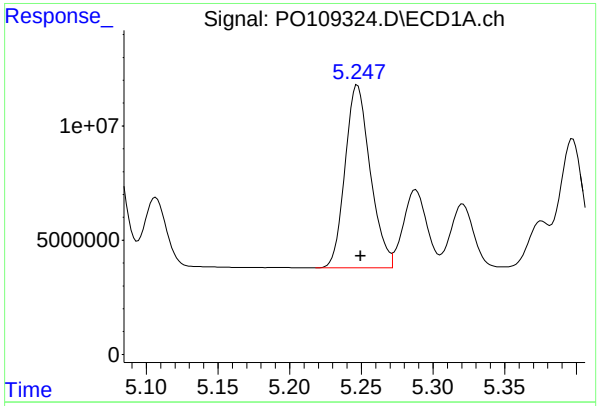
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: -0.001 min
Response: 93509336
Conc: 490.02 ng/ml



#6 AR-1016-4

R.T.: 5.016 min
Delta R.T.: -0.023 min
Response: 51903261
Conc: 469.63 ng/ml m



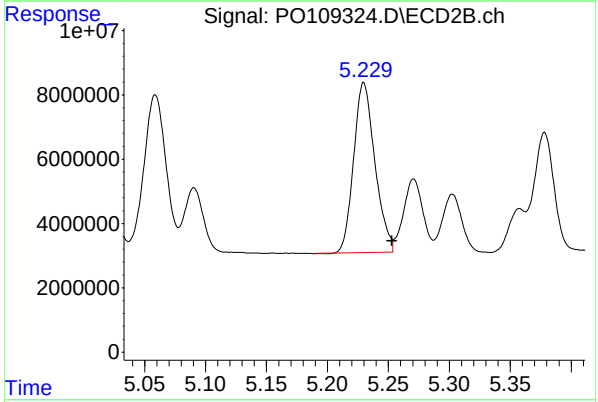
#7 AR-1016-5

R.T.: 5.247 min
Delta R.T.: -0.002 mi
Response: 97922013
Conc: 469.06 ng/m

Instrument :
ECD_O
ClientSampleId :
PB166412BS

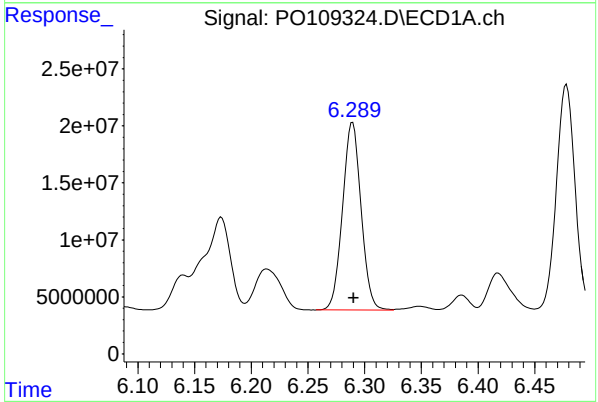
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



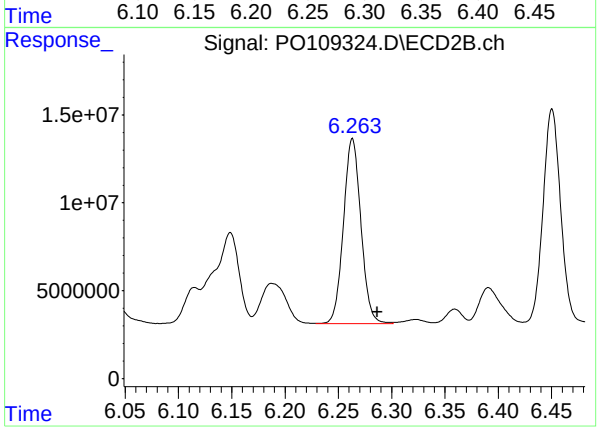
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: -0.024 min
Response: 64190116
Conc: 447.18 ng/ml m



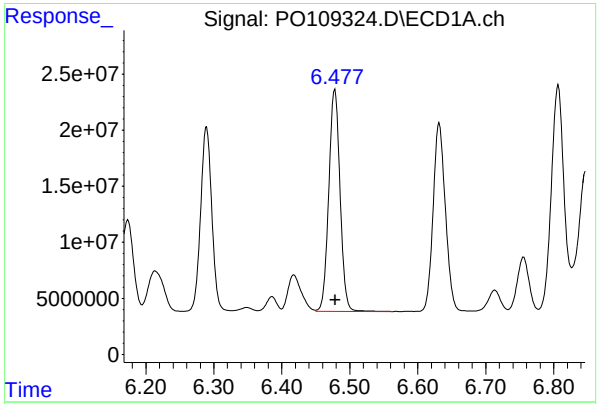
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: 0.000 min
Response: 186973495
Conc: 490.54 ng/ml



#31 AR-1260-1

R.T.: 6.263 min
Delta R.T.: -0.023 min
Response: 120196397
Conc: 476.88 ng/ml



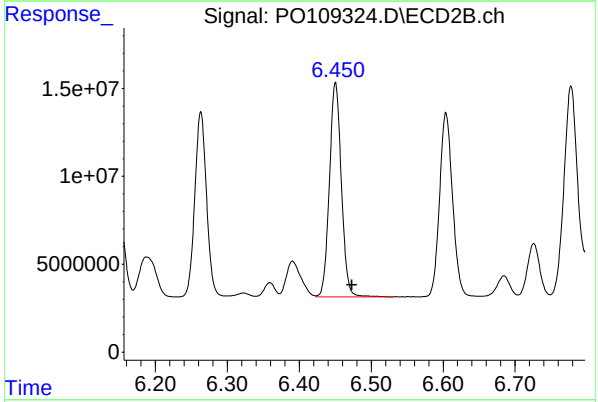
#32 AR-1260-2

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 227669019
Conc: 484.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166412BS

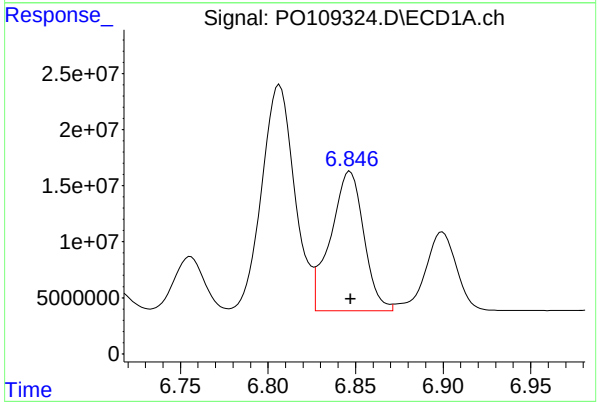
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



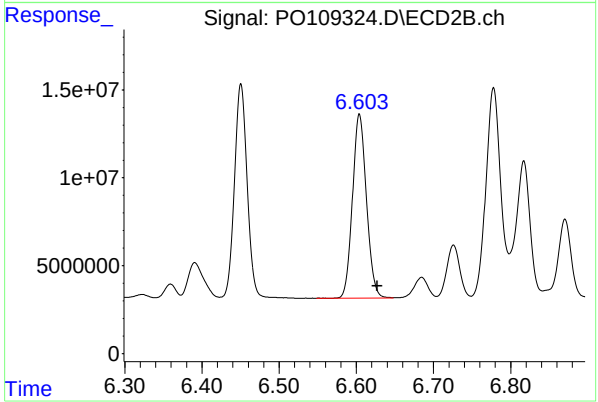
#32 AR-1260-2

R.T.: 6.450 min
Delta R.T.: -0.023 min
Response: 140871515
Conc: 468.32 ng/ml



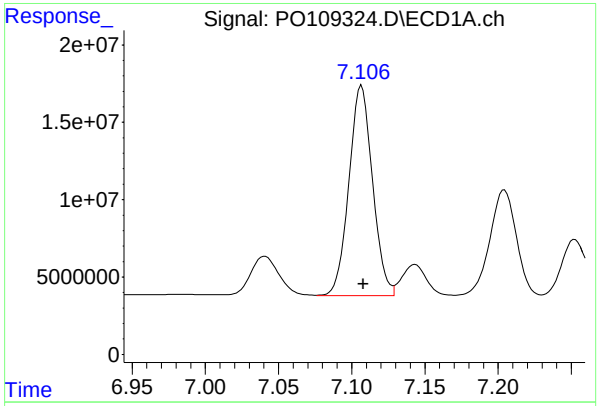
#33 AR-1260-3

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 164120386
Conc: 419.14 ng/ml



#33 AR-1260-3

R.T.: 6.604 min
Delta R.T.: -0.023 min
Response: 130614212
Conc: 469.18 ng/ml



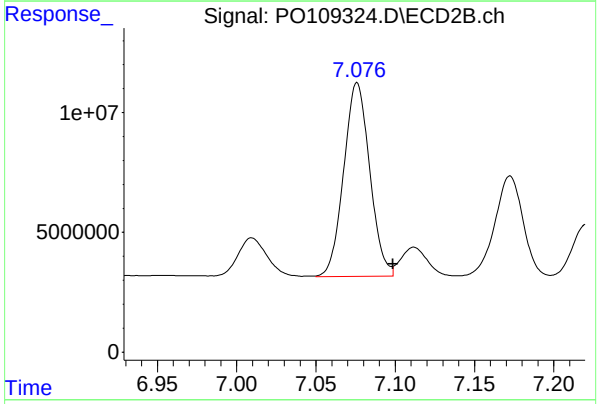
#34 AR-1260-4

R.T.: 7.107 min
Delta R.T.: -0.001 mi
Response: 152326539
Conc: 425.54 ng/m

Instrument :
ECD_O
ClientSampleId :
PB166412BS

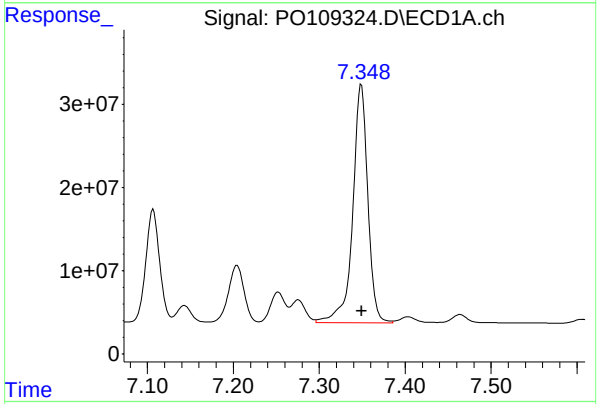
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



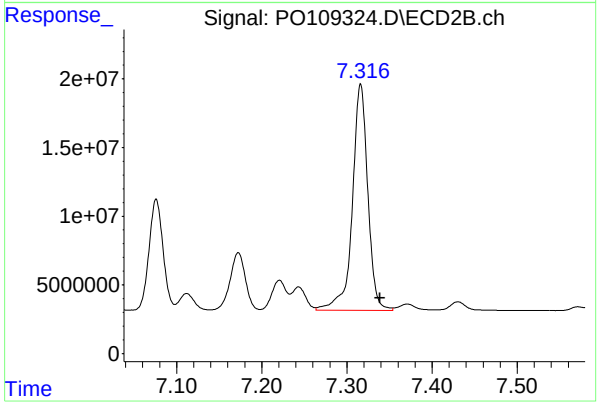
#34 AR-1260-4

R.T.: 7.076 min
Delta R.T.: -0.023 min
Response: 92292755
Conc: 409.01 ng/ml m



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 351261497
Conc: 420.88 ng/ml



#35 AR-1260-5

R.T.: 7.316 min
Delta R.T.: -0.023 min
Response: 208007153
Conc: 415.45 ng/ml

Raw Data: **PO109350.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925MS	SDG No.:	Q1242
Lab Sample ID:	Q1232-03MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.2 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109350.D	1	01/31/25 08:15	02/01/25 00:33	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	185		3.80	19.0	ug/kg
11104-28-2	Aroclor-1221	19.0	U	7.20	19.0	ug/kg
11141-16-5	Aroclor-1232	19.0	U	3.80	19.0	ug/kg
53469-21-9	Aroclor-1242	19.0	U	3.80	19.0	ug/kg
12672-29-6	Aroclor-1248	19.0	U	8.80	19.0	ug/kg
11097-69-1	Aroclor-1254	19.0	U	3.10	19.0	ug/kg
37324-23-5	Aroclor-1262	19.0	U	5.10	19.0	ug/kg
11100-14-4	Aroclor-1268	19.0	U	3.80	19.0	ug/kg
11096-82-5	Aroclor-1260	175		3.30	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		32 - 175	100%	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

Sample Results: **PO109350.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109350.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 00:33
Operator : YP/AJ
Sample : Q1232-03MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 05:21:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	169.8E6	119.1E6	22.466m	22.219m
2)	SA Decachlor...	8.760	8.711	128.4E6	68433754	18.538	19.901
	Target Compounds						
3)	L1 AR-1016-1	4.794	4.780	149.4E6	86179821	592.103	532.244m
4)	L1 AR-1016-2	4.813	4.799	163.1E6	114.9E6	472.856	482.092m
5)	L1 AR-1016-3	4.870	4.975	128.0E6	69146089	524.486	530.352m
6)	L1 AR-1016-4	4.990	5.017	96673324	56966454	506.596	515.447m
7)	L1 AR-1016-5	5.247	5.229	79306020	50289691	379.888	350.346m
31)	L7 AR-1260-1	6.291	6.265	192.2E6	132.6E6	504.182	526.128
32)	L7 AR-1260-2	6.478	6.451	228.7E6	150.8E6	486.978m	501.393m
33)	L7 AR-1260-3	6.848	6.605	143.2E6	136.1E6	365.782	488.734m#
34)	L7 AR-1260-4	7.109	7.077	144.7E6	90618291	404.322	401.586m
35)	L7 AR-1260-5	7.351	7.318	342.1E6	213.6E6	409.874	426.575

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109350.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 00:33
Operator : YP/AJ
Sample : Q1232-03MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

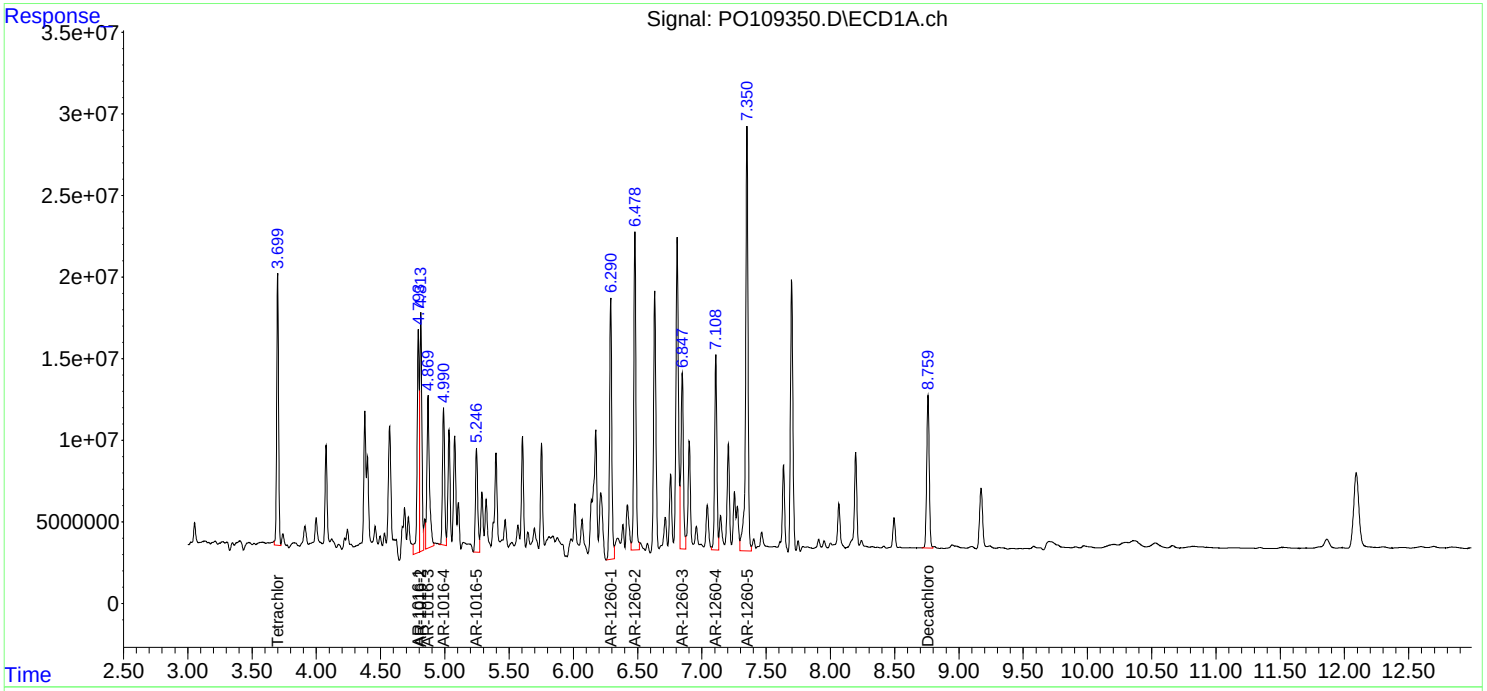
Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

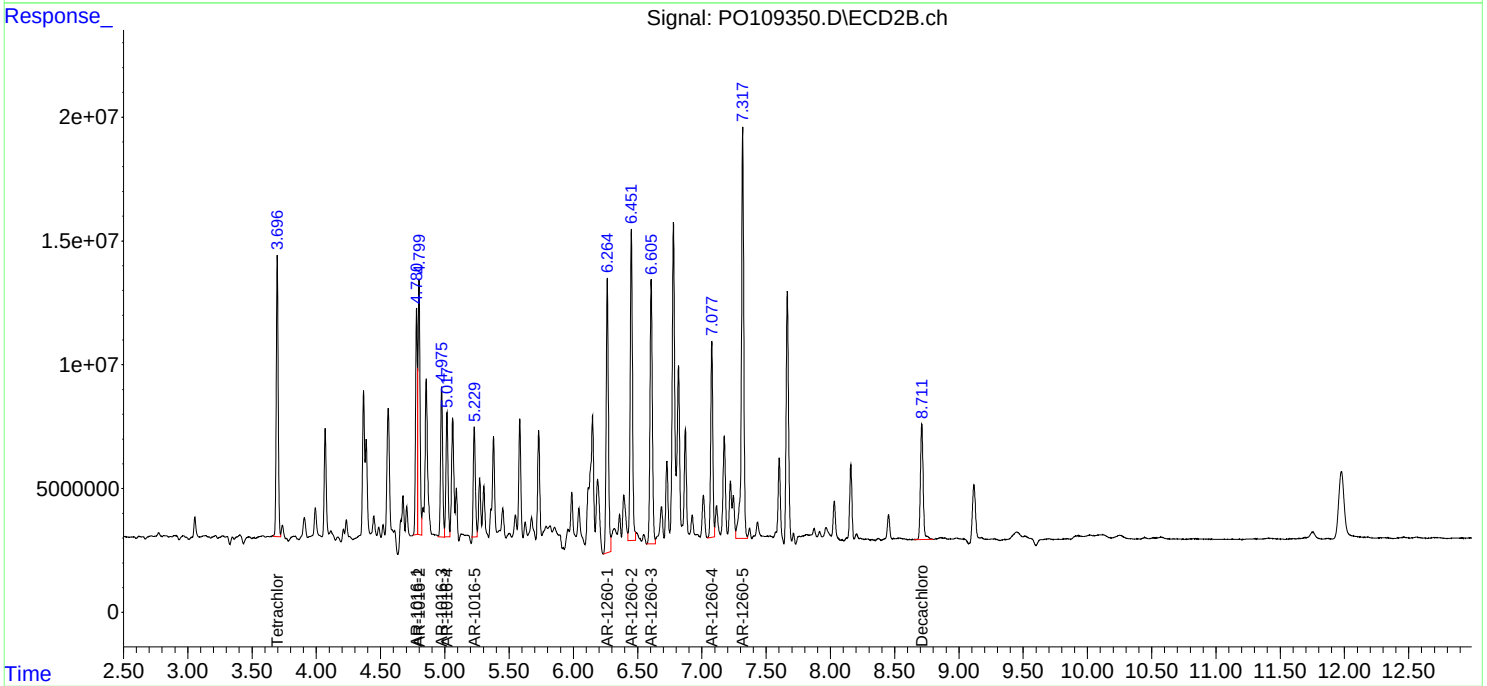
Manual Integrations APPROVED

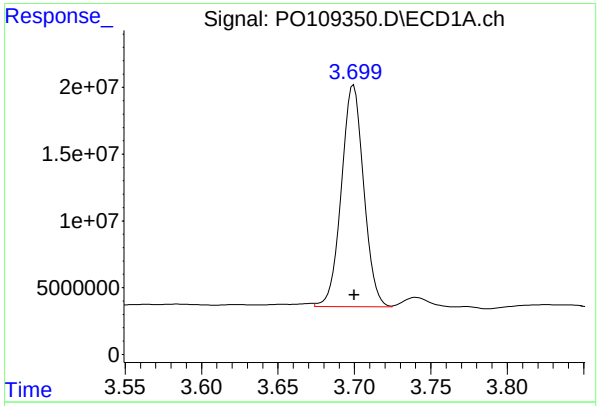
Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 05:21:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







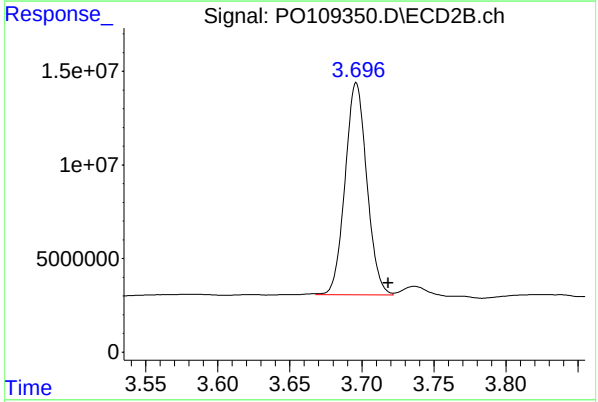
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: -0.001 mi
Response: 169759555
Conc: 22.47 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

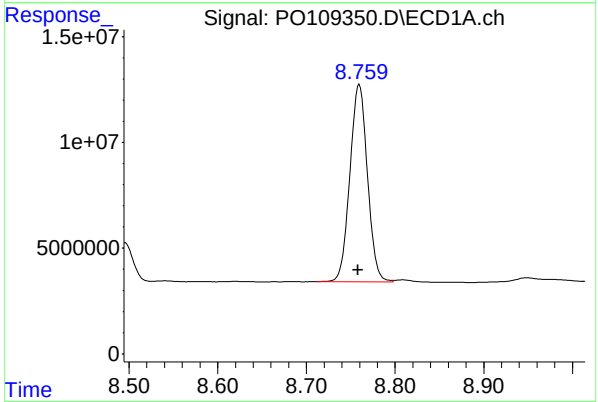
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



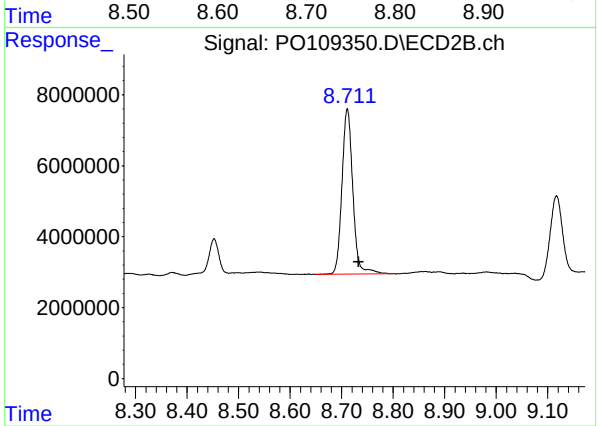
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 119101565
Conc: 22.22 ng/ml m



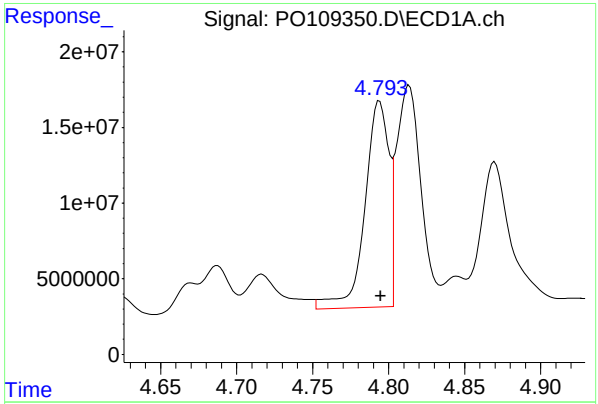
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.001 min
Response: 128429668
Conc: 18.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 68433754
Conc: 19.90 ng/ml



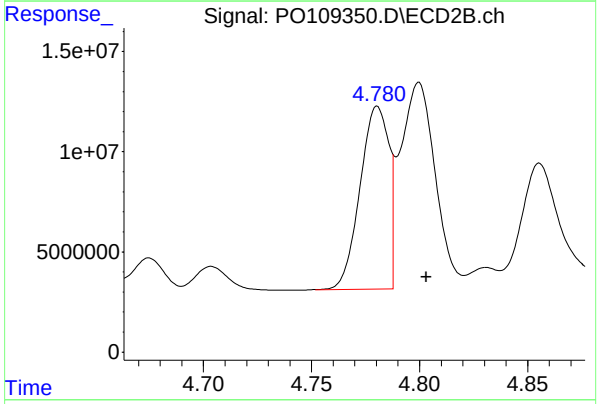
#3 AR-1016-1

R.T.: 4.794 min
Delta R.T.: 0.000 mi
Response: 149379554
Conc: 592.10 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

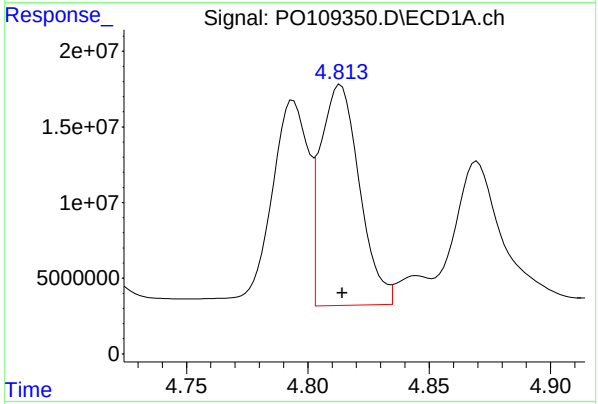
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



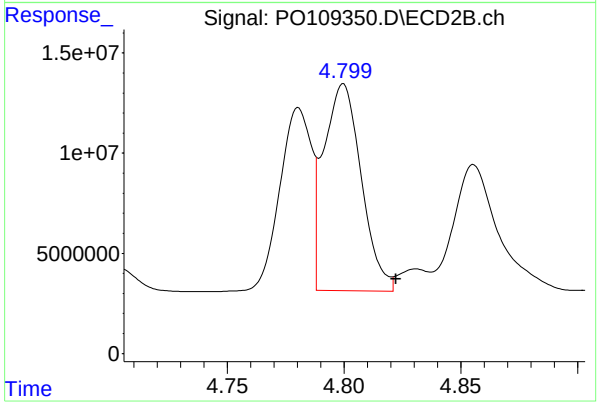
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: -0.023 min
Response: 86179821
Conc: 532.24 ng/ml m



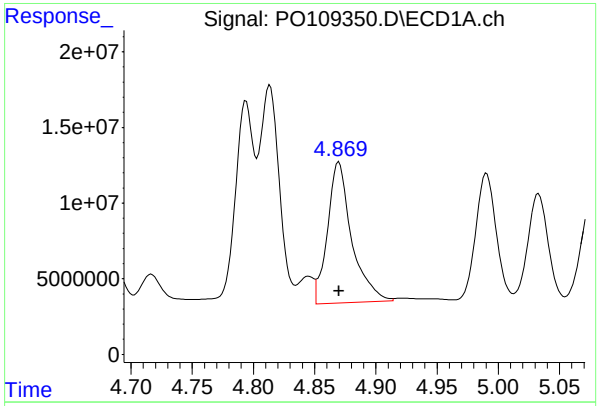
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 163080727
Conc: 472.86 ng/ml



#4 AR-1016-2

R.T.: 4.799 min
Delta R.T.: -0.023 min
Response: 114851845
Conc: 482.09 ng/ml m



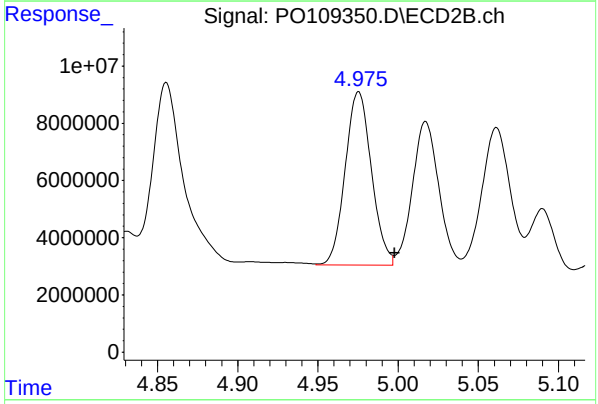
#5 AR-1016-3

R.T.: 4.870 min
Delta R.T.: 0.000 mi
Response: 128035675
Conc: 524.49 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

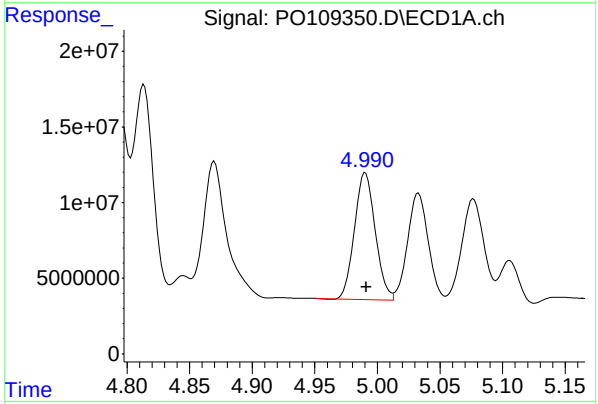
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



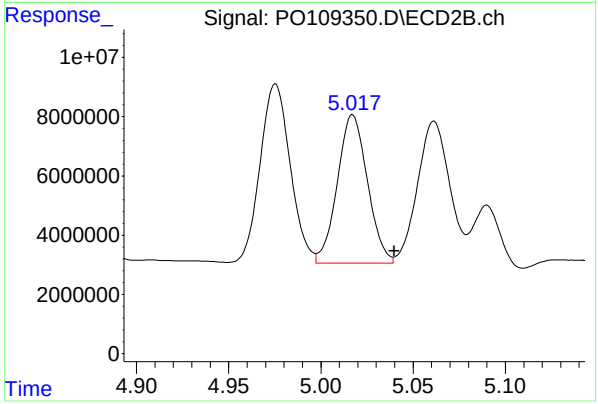
#5 AR-1016-3

R.T.: 4.975 min
Delta R.T.: -0.023 min
Response: 69146089
Conc: 530.35 ng/ml m



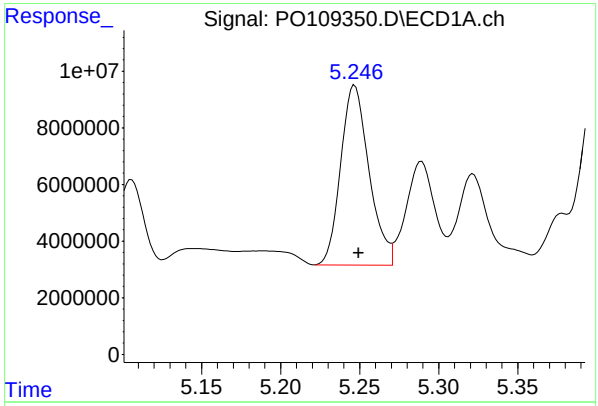
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: 0.000 min
Response: 96673324
Conc: 506.60 ng/ml



#6 AR-1016-4

R.T.: 5.017 min
Delta R.T.: -0.023 min
Response: 56966454
Conc: 515.45 ng/ml m



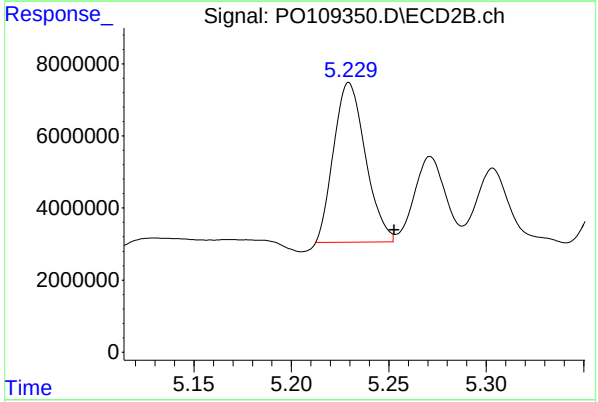
#7 AR-1016-5

R.T.: 5.247 min
Delta R.T.: -0.003 mi
Response: 79306020
Conc: 379.89 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

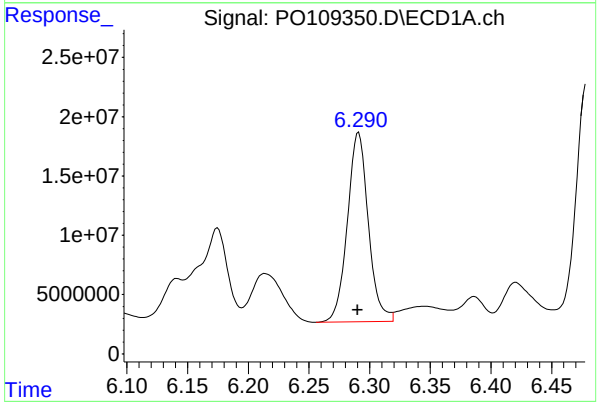
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



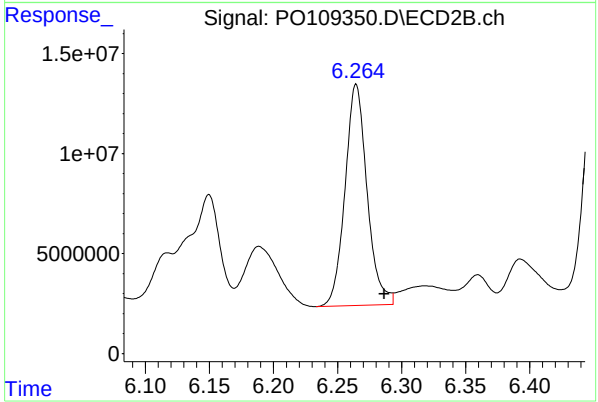
#7 AR-1016-5

R.T.: 5.229 min
Delta R.T.: -0.024 min
Response: 50289691
Conc: 350.35 ng/ml m



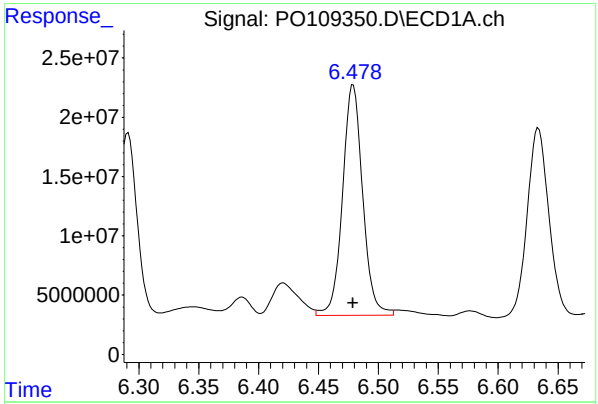
#31 AR-1260-1

R.T.: 6.291 min
Delta R.T.: 0.000 min
Response: 192171732
Conc: 504.18 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.022 min
Response: 132609993
Conc: 526.13 ng/ml



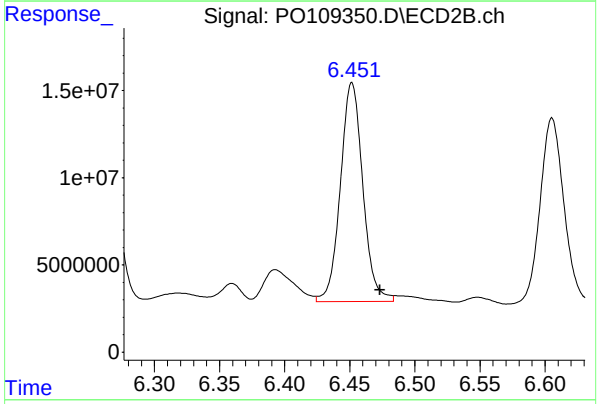
#32 AR-1260-2

R.T.: 6.478 min
Delta R.T.: 0.000 mi
Response: 228675614
Conc: 486.98 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

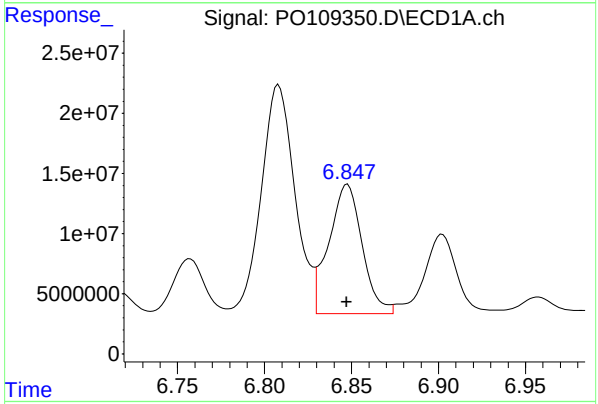
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



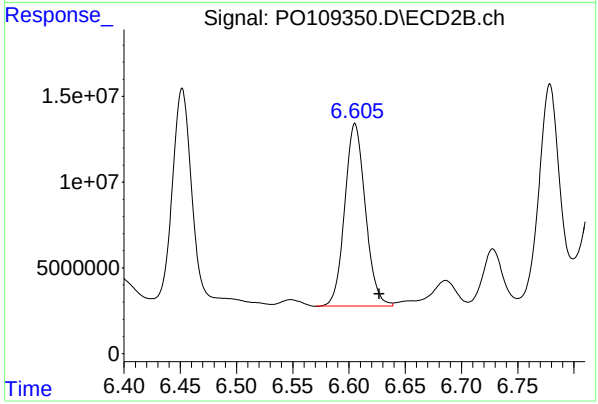
#32 AR-1260-2

R.T.: 6.451 min
Delta R.T.: -0.022 min
Response: 150821140
Conc: 501.39 ng/ml m



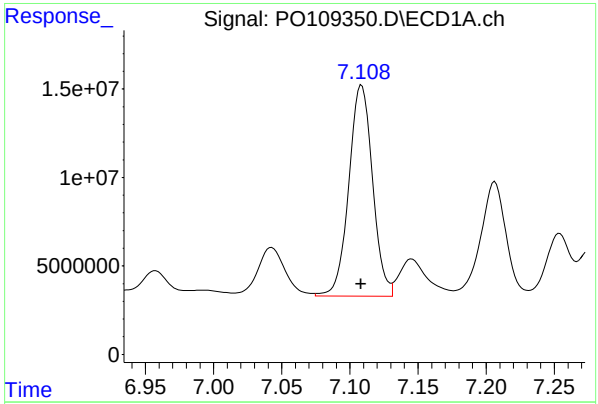
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 143226345
Conc: 365.78 ng/ml



#33 AR-1260-3

R.T.: 6.605 min
Delta R.T.: -0.022 min
Response: 136056857
Conc: 488.73 ng/ml m



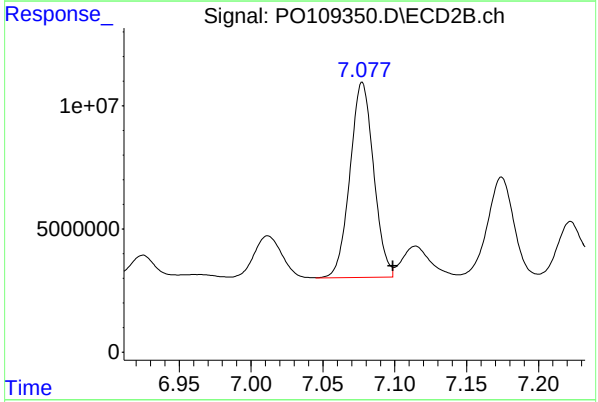
#34 AR-1260-4

R.T.: 7.109 min
Delta R.T.: 0.000 mi
Response: 144730166
Conc: 404.32 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MS

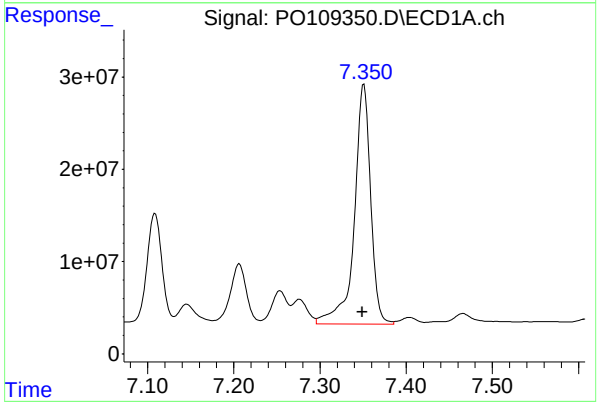
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



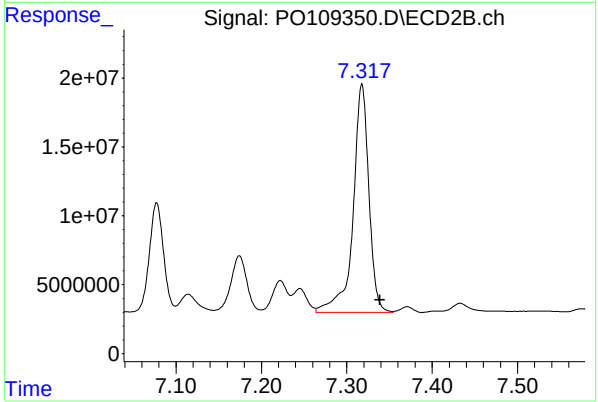
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.022 min
Response: 90618291
Conc: 401.59 ng/ml m



#35 AR-1260-5

R.T.: 7.351 min
Delta R.T.: 0.002 min
Response: 342078883
Conc: 409.87 ng/ml



#35 AR-1260-5

R.T.: 7.318 min
Delta R.T.: -0.021 min
Response: 213577512
Conc: 426.57 ng/ml

Raw Data: **PO109408.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925MSRE	SDG No.:	Q1242
Lab Sample ID:	Q1232-03MSRE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109408.D	1	01/31/25 08:15	02/04/25 09:27	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	170		3.80	19.0	ug/kg
11104-28-2	Aroclor-1221	19.0	U	7.20	19.0	ug/kg
11141-16-5	Aroclor-1232	19.0	U	3.80	19.0	ug/kg
53469-21-9	Aroclor-1242	19.0	U	3.80	19.0	ug/kg
12672-29-6	Aroclor-1248	19.0	U	8.80	19.0	ug/kg
11097-69-1	Aroclor-1254	19.0	U	3.10	19.0	ug/kg
37324-23-5	Aroclor-1262	19.0	U	5.10	19.0	ug/kg
11100-14-4	Aroclor-1268	19.0	U	3.80	19.0	ug/kg
11096-82-5	Aroclor-1260	170		3.30	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		32 - 175	114%	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

Sample Results: **PO109408.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:27
Operator : YP/AJ
Sample : Q1232-03MSRE
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:44:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.697	3.694	159.4E6	109.2E6	21.031m	20.445
2)	SA Decachlor...	8.755	8.707	136.7E6	71259303	21.089	22.867
	Target Compounds						
3)	L1 AR-1016-1	4.792	4.777	117.6E6	83539451	460.515m	497.546m
4)	L1 AR-1016-2	4.811	4.797	148.6E6	105.2E6	433.988m	453.155m
5)	L1 AR-1016-3	4.867	4.973	115.4E6	63923982	475.871m	499.370
6)	L1 AR-1016-4	4.989	5.015	93164894	54017381	484.944	492.002
7)	L1 AR-1016-5	5.245	5.226	65908934	47483631	320.931m	338.495m
31)	L7 AR-1260-1	6.289	6.262	186.6E6	125.6E6	499.899	508.431
32)	L7 AR-1260-2	6.476	6.448	217.6E6	143.6E6	474.870m	491.607m
33)	L7 AR-1260-3	6.845	6.602	139.2E6	128.8E6	363.345	452.768m
34)	L7 AR-1260-4	7.106	7.074	141.1E6	88086160	402.953	399.988
35)	L7 AR-1260-5	7.348	7.314	352.1E6	209.8E6	431.660	427.541

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:27
Operator : YP/AJ
Sample : Q1232-03MSRE
Misc :
ALS Vial : 37 Sample Multiplier: 1

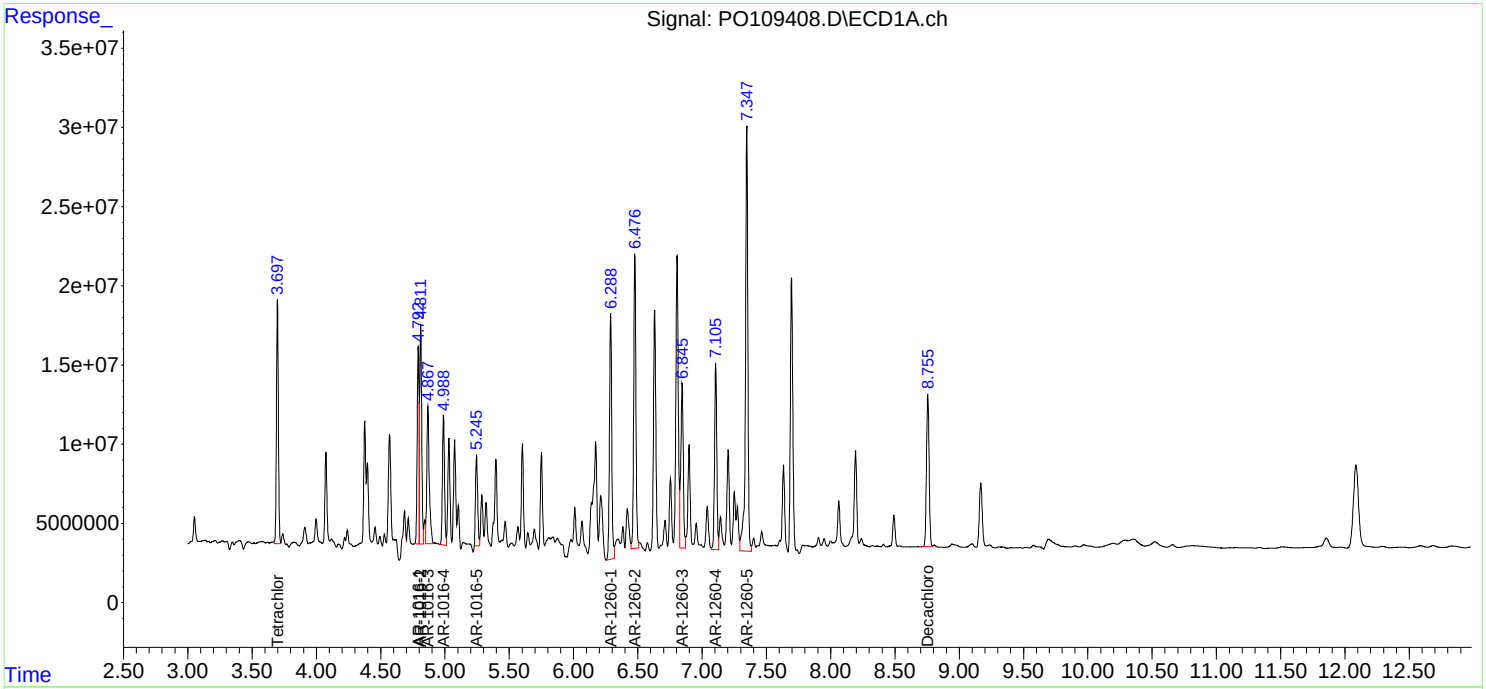
Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

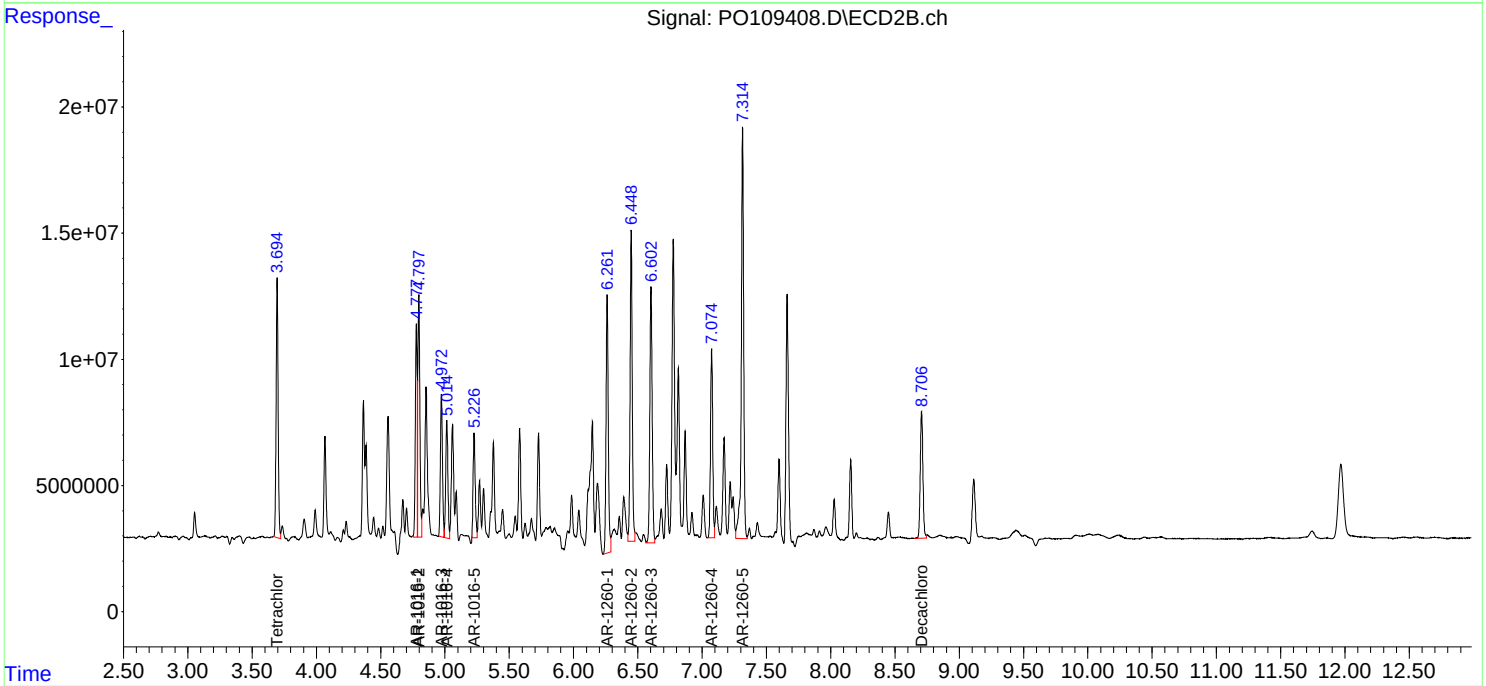
Manual Integrations APPROVED

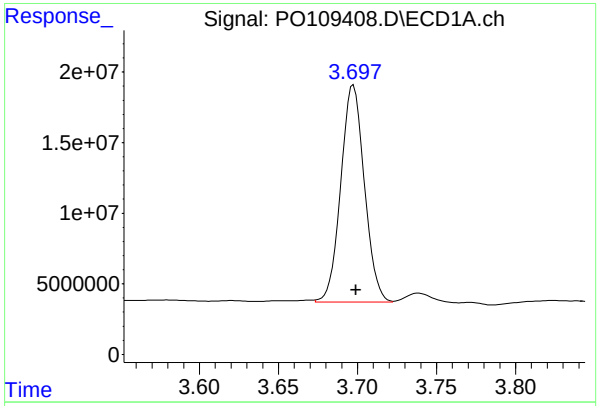
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:44:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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.: 3.697 min
Delta R.T.: -0.002 min
Response: 159390532
Conc: 21.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
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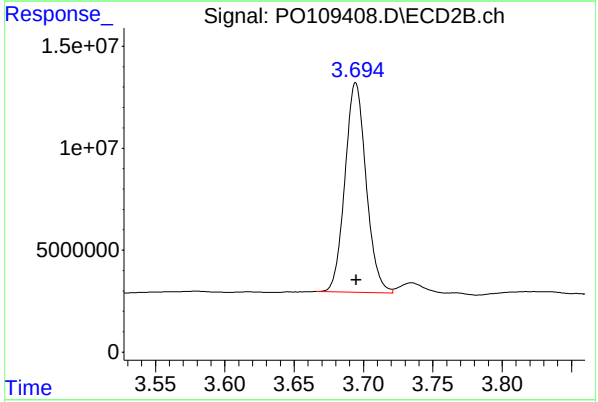
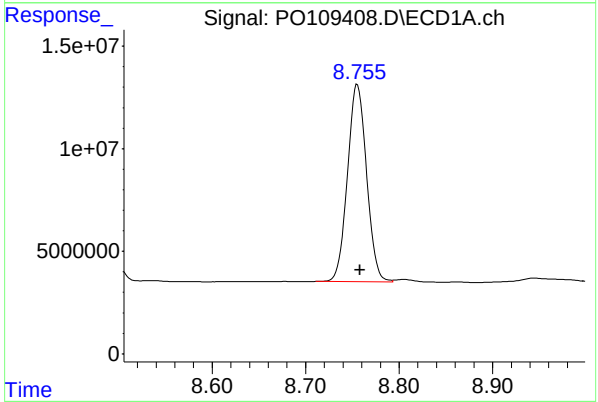


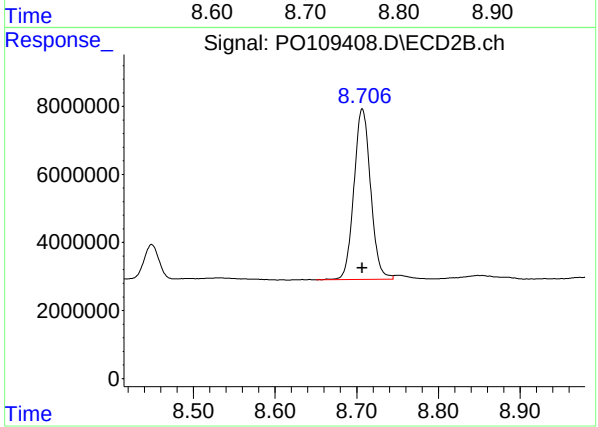
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 109191300
Conc: 20.44 ng/ml



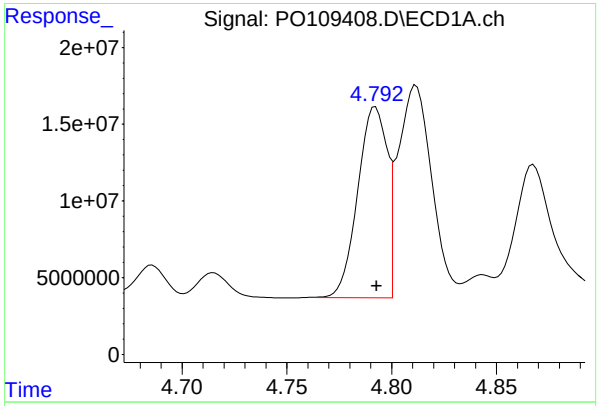
#2 Decachlorobiphenyl

R.T.: 8.755 min
Delta R.T.: -0.003 min
Response: 136681200
Conc: 21.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 71259303
Conc: 22.87 ng/ml



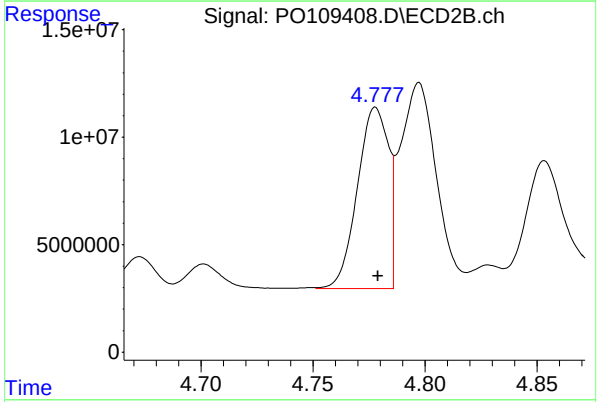
#3 AR-1016-1

R.T.: 4.792 min
Delta R.T.: -0.001 mi
Response: 117562805
Conc: 460.52 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

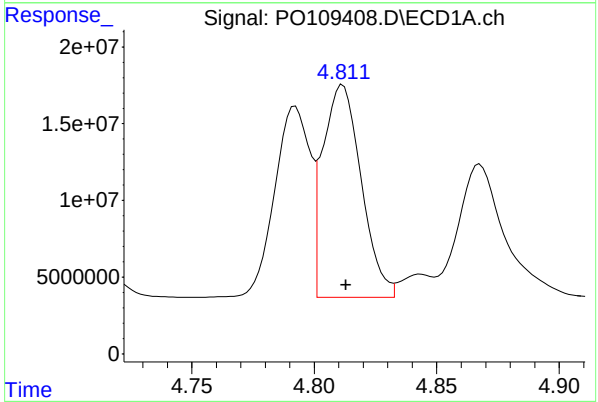
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



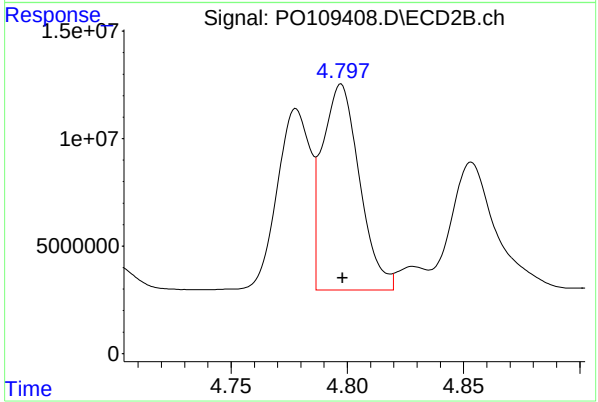
#3 AR-1016-1

R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 83539451
Conc: 497.55 ng/ml m



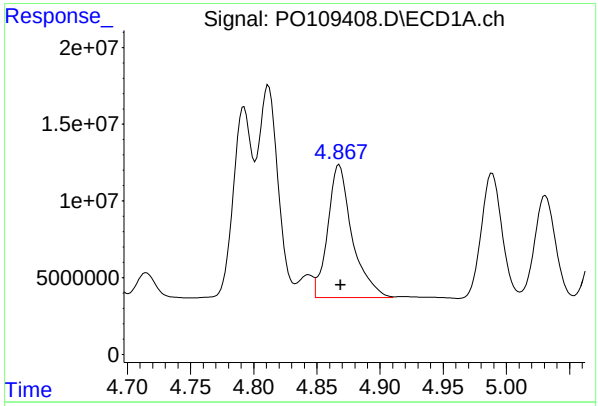
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: -0.002 min
Response: 148632809
Conc: 433.99 ng/ml m



#4 AR-1016-2

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 105158519
Conc: 453.16 ng/ml m



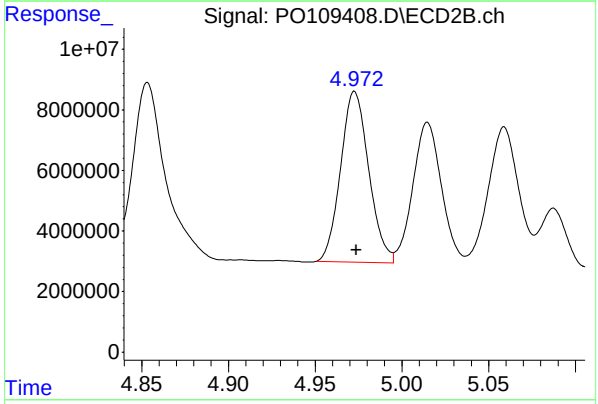
#5 AR-1016-3

R.T.: 4.867 min
Delta R.T.: -0.002 mi
Response: 115384956
Conc: 475.87 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

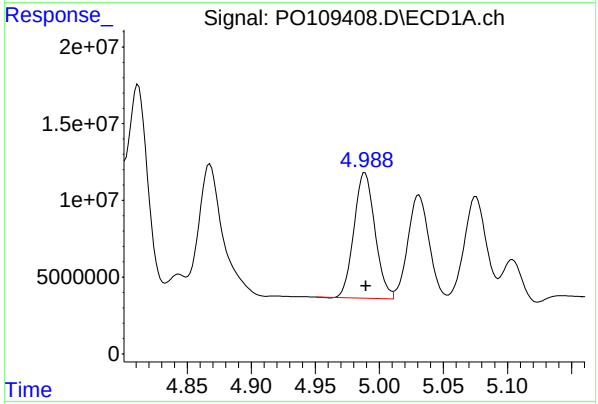
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



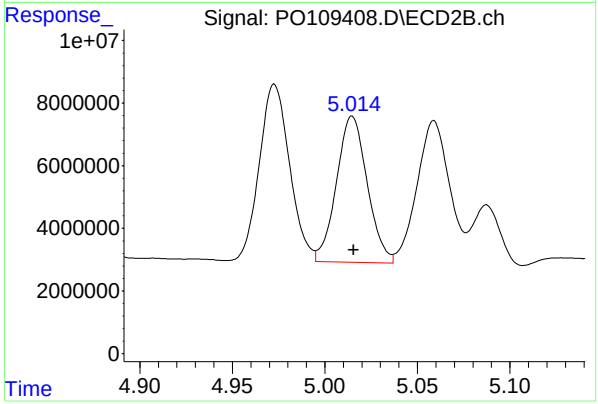
#5 AR-1016-3

R.T.: 4.973 min
Delta R.T.: -0.001 min
Response: 63923982
Conc: 499.37 ng/ml



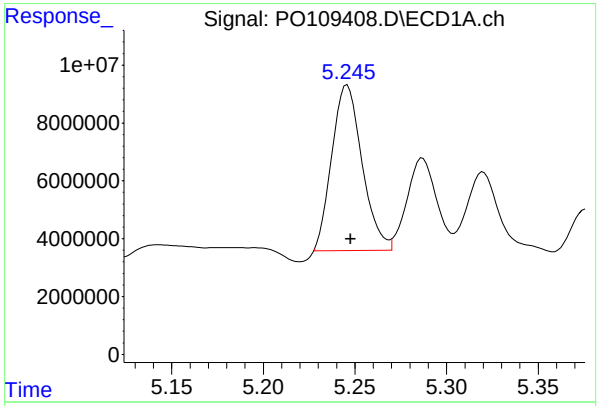
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 93164894
Conc: 484.94 ng/ml



#6 AR-1016-4

R.T.: 5.015 min
Delta R.T.: 0.000 min
Response: 54017381
Conc: 492.00 ng/ml



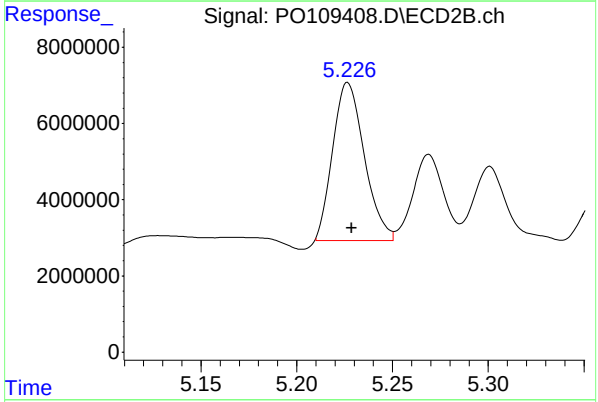
#7 AR-1016-5

R.T.: 5.245 min
Delta R.T.: -0.003 mi
Response: 65908934
Conc: 320.93 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

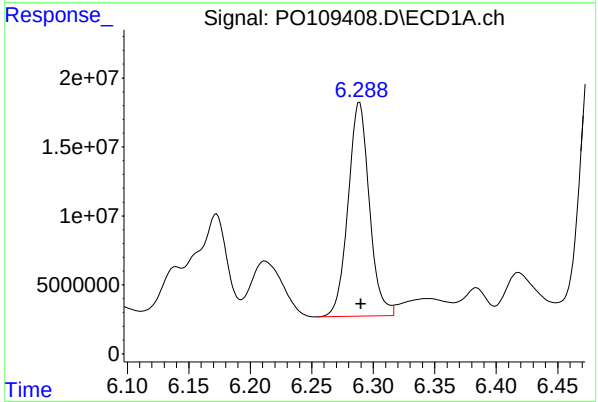
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



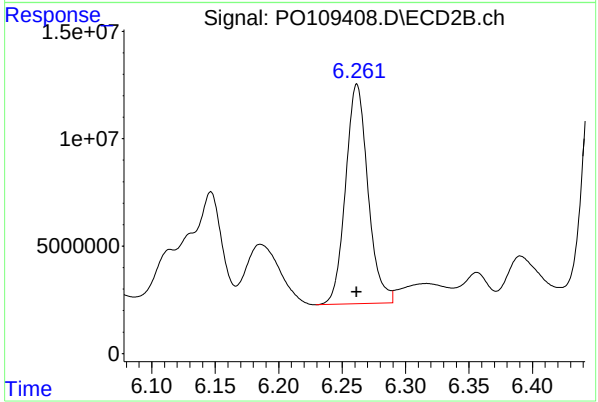
#7 AR-1016-5

R.T.: 5.226 min
Delta R.T.: -0.002 min
Response: 47483631
Conc: 338.50 ng/ml m



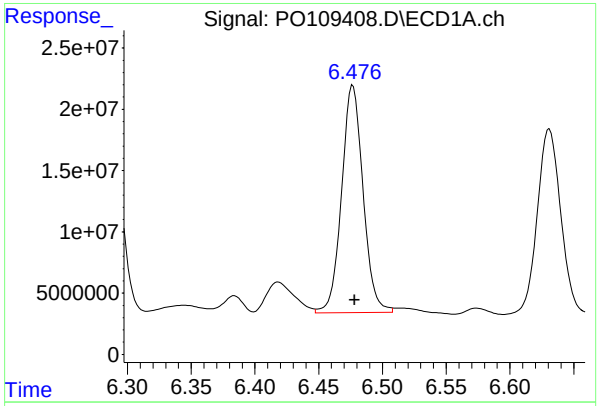
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: -0.001 min
Response: 186605419
Conc: 499.90 ng/ml



#31 AR-1260-1

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 125643389
Conc: 508.43 ng/ml



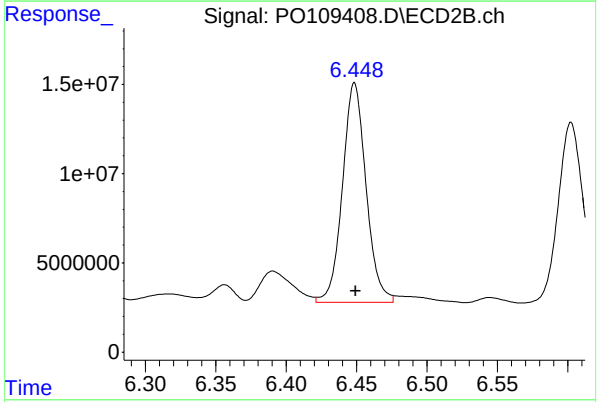
#32 AR-1260-2

R.T.: 6.476 min
Delta R.T.: -0.002 mi
Response: 217559182
Conc: 474.87 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

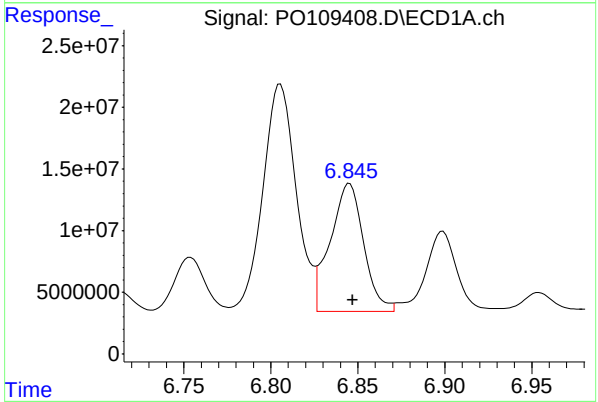
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



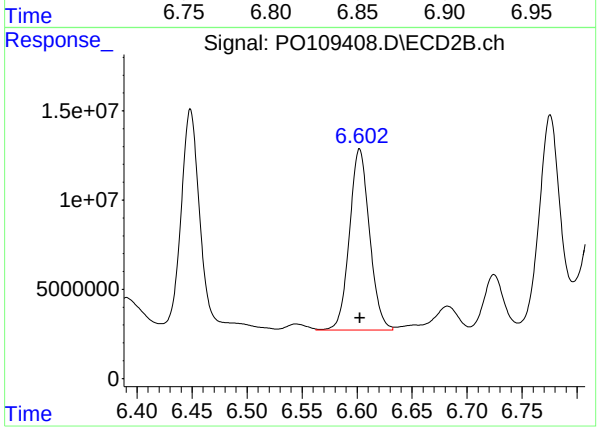
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: -0.001 min
Response: 143588074
Conc: 491.61 ng/ml m



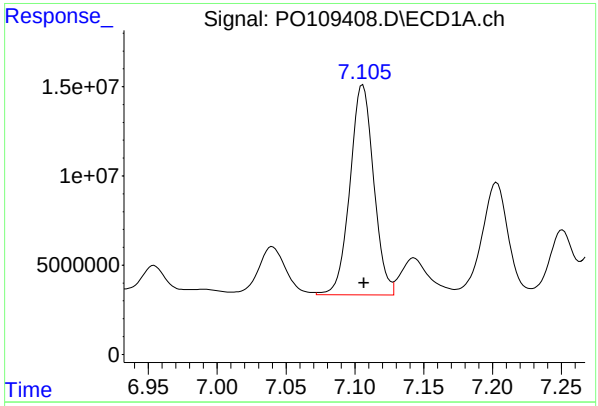
#33 AR-1260-3

R.T.: 6.845 min
Delta R.T.: -0.002 min
Response: 139159896
Conc: 363.34 ng/ml



#33 AR-1260-3

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 128769351
Conc: 452.77 ng/ml m



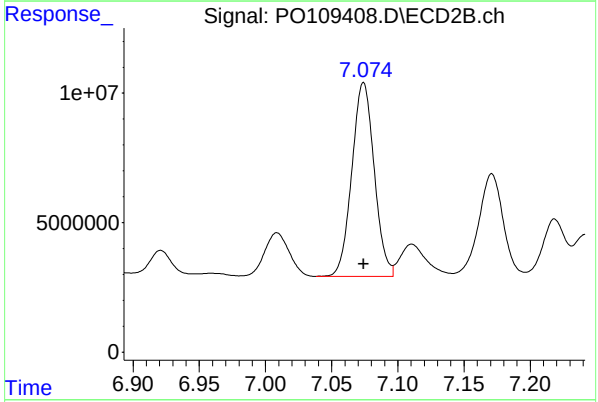
#34 AR-1260-4

R.T.: 7.106 min
Delta R.T.: -0.001 min
Response: 141121753
Conc: 402.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

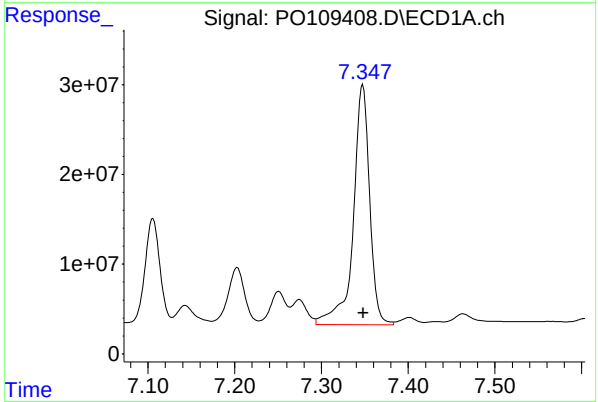
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



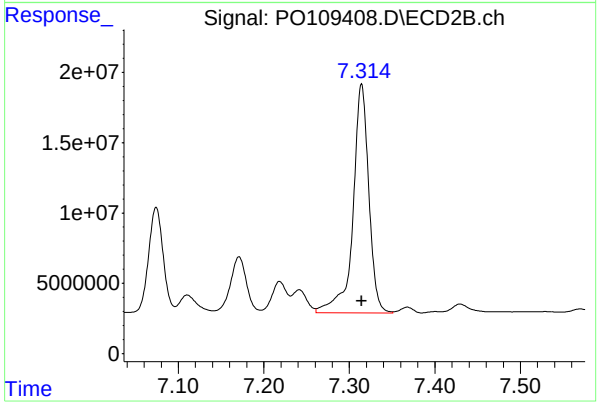
#34 AR-1260-4

R.T.: 7.074 min
Delta R.T.: 0.000 min
Response: 88086160
Conc: 399.99 ng/ml



#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: 0.000 min
Response: 352052032
Conc: 431.66 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 209807794
Conc: 427.54 ng/ml

Raw Data: **PO109351.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925MSD	SDG No.:	Q1242
Lab Sample ID:	Q1232-03MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109351.D	1	01/31/25 08:15	02/01/25 00:51	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	183		3.80	19.0	ug/kg
11104-28-2	Aroclor-1221	19.0	U	7.20	19.0	ug/kg
11141-16-5	Aroclor-1232	19.0	U	3.80	19.0	ug/kg
53469-21-9	Aroclor-1242	19.0	U	3.80	19.0	ug/kg
12672-29-6	Aroclor-1248	19.0	U	8.80	19.0	ug/kg
11097-69-1	Aroclor-1254	19.0	U	3.10	19.0	ug/kg
37324-23-5	Aroclor-1262	19.0	U	5.10	19.0	ug/kg
11100-14-4	Aroclor-1268	19.0	U	3.80	19.0	ug/kg
11096-82-5	Aroclor-1260	173		3.30	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		32 - 175	100%	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

Sample Results: **PO109351.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 00:51
Operator : YP/AJ
Sample : Q1232-03MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 05:21:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.696	168.7E6	119.1E6	22.321m	22.219m
2)	SA Decachlor...	8.758	8.711	127.8E6	68678871	18.446	19.972
	Target Compounds						
3)	L1 AR-1016-1	4.792	4.780	148.3E6	89235102	587.973	551.113m
4)	L1 AR-1016-2	4.811	4.799	162.1E6	111.1E6	469.891	466.397m
5)	L1 AR-1016-3	4.868	4.975	125.9E6	67731643	515.784	519.503m
6)	L1 AR-1016-4	4.989	5.017	96637849	55476737	506.410	501.968m
7)	L1 AR-1016-5	5.245	5.230	79075371	51932507	378.783	361.791m
31)	L7 AR-1260-1	6.289	6.264	189.1E6	131.1E6	496.022	520.184
32)	L7 AR-1260-2	6.476	6.451	220.3E6	146.3E6	469.067m	486.428m
33)	L7 AR-1260-3	6.846	6.604	140.7E6	135.4E6	359.363	486.285m#
34)	L7 AR-1260-4	7.107	7.076	142.2E6	90737896	397.275	402.116m
35)	L7 AR-1260-5	7.349	7.317	337.7E6	210.8E6	404.657	421.115

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013125\
Data File : PO109351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Feb 2025 00:51
Operator : YP/AJ
Sample : Q1232-03MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

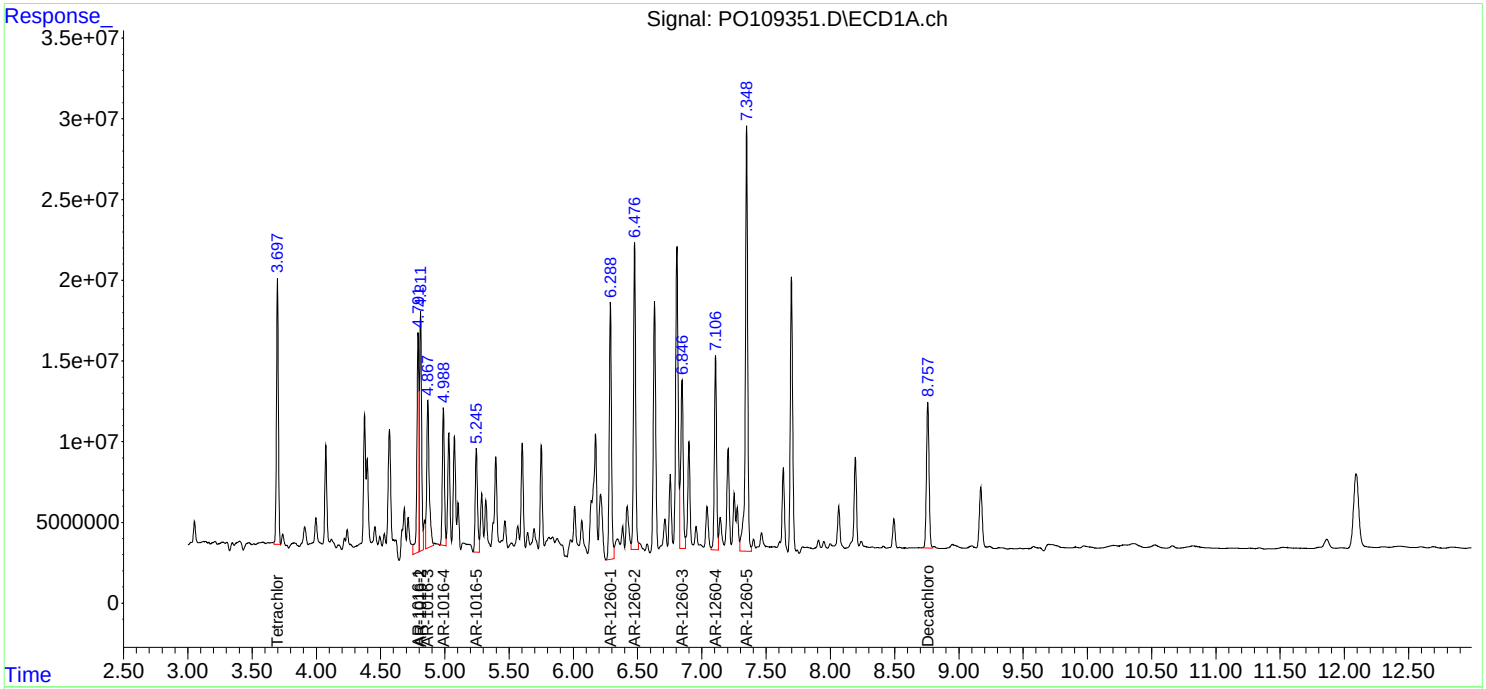
Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

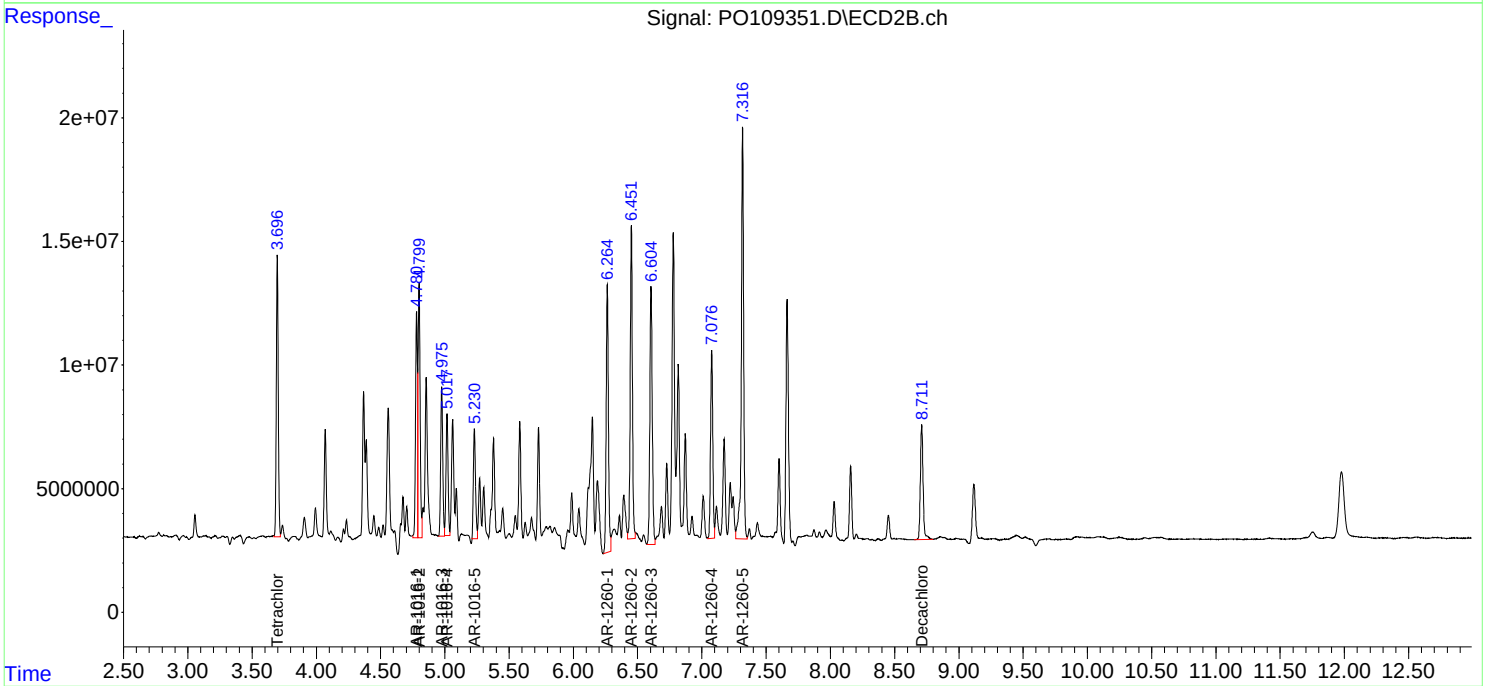
Manual Integrations APPROVED

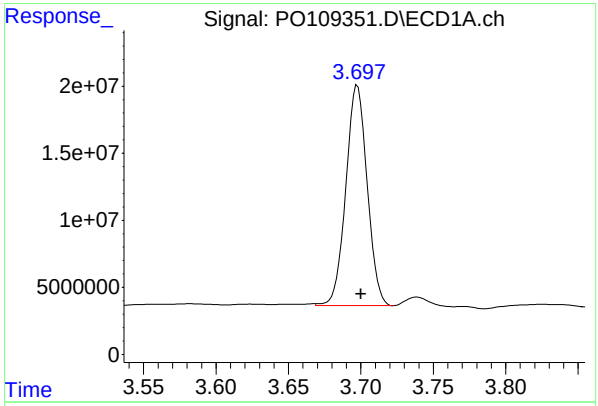
Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 05:21:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







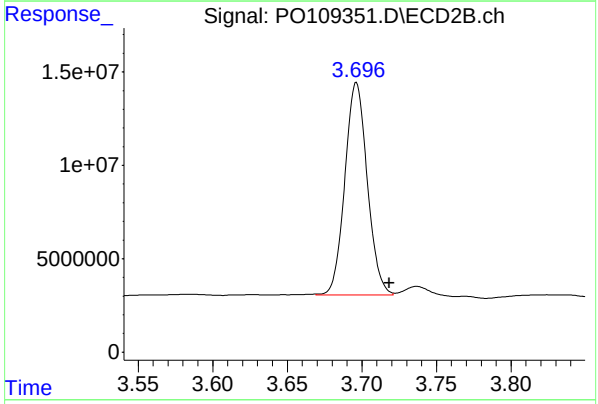
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.003 mi
Response: 168668947
Conc: 22.32 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

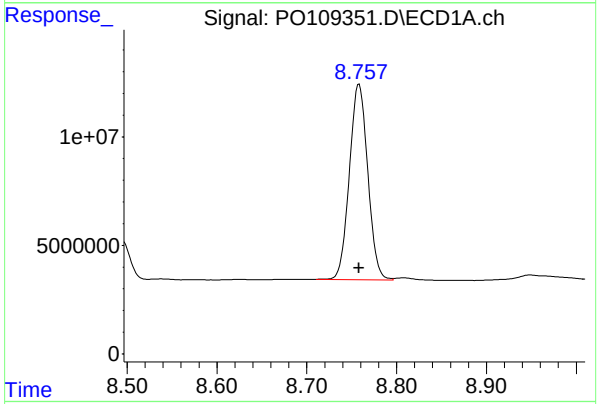
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



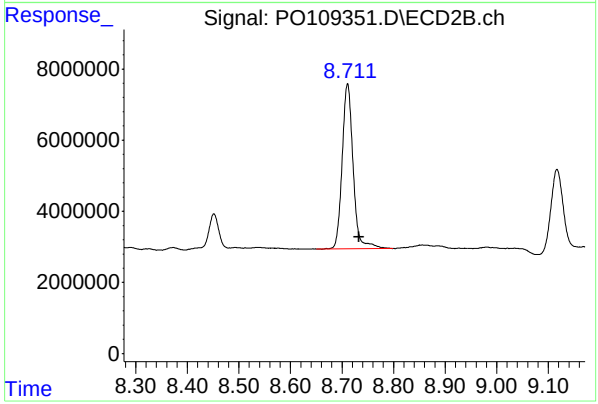
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 119099641
Conc: 22.22 ng/ml m



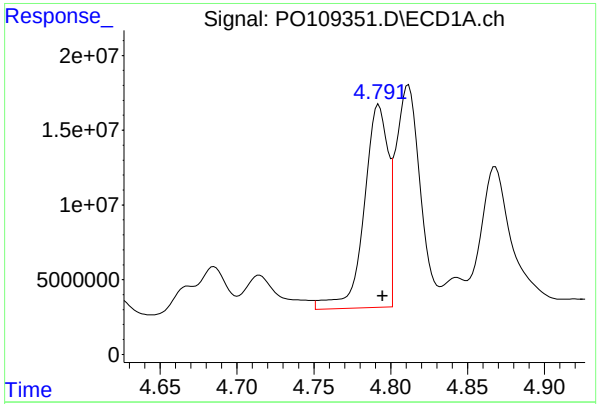
#2 Decachlorobiphenyl

R.T.: 8.758 min
Delta R.T.: 0.000 min
Response: 127786251
Conc: 18.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 68678871
Conc: 19.97 ng/ml



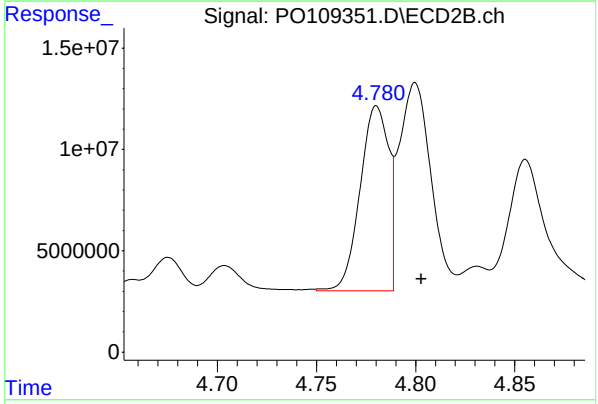
#3 AR-1016-1

R.T.: 4.792 min
Delta R.T.: -0.003 mi
Response: 148337584
Conc: 587.97 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

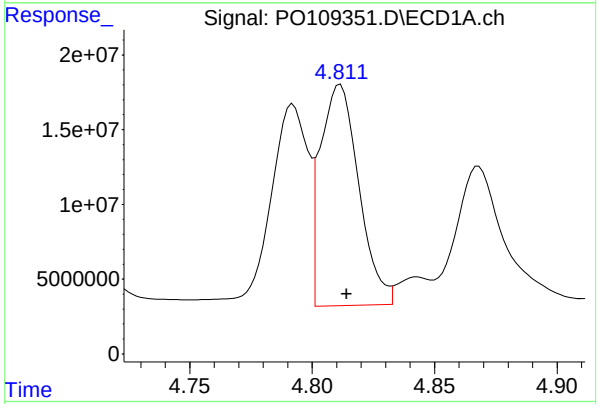
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



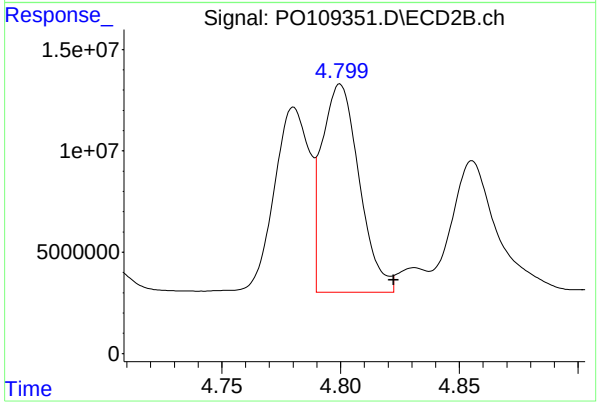
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: -0.023 min
Response: 89235102
Conc: 551.11 ng/ml m



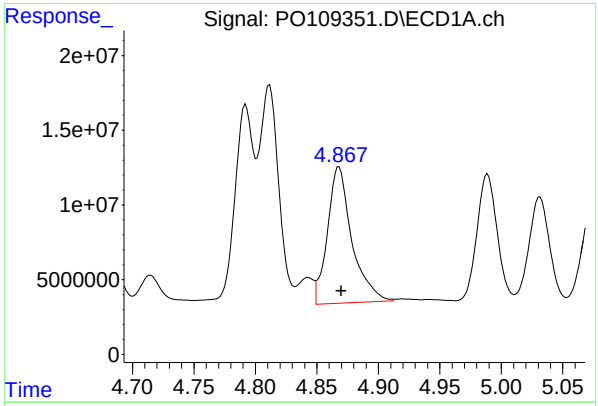
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: -0.003 min
Response: 162058252
Conc: 469.89 ng/ml



#4 AR-1016-2

R.T.: 4.799 min
Delta R.T.: -0.023 min
Response: 111112552
Conc: 466.40 ng/ml m



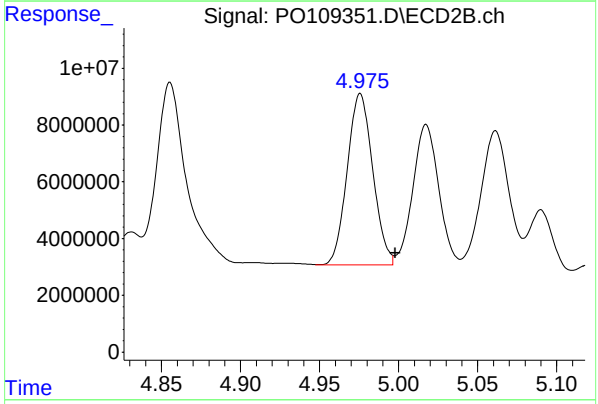
#5 AR-1016-3

R.T.: 4.868 min
Delta R.T.: -0.002 mi
Response: 125911369
Conc: 515.78 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

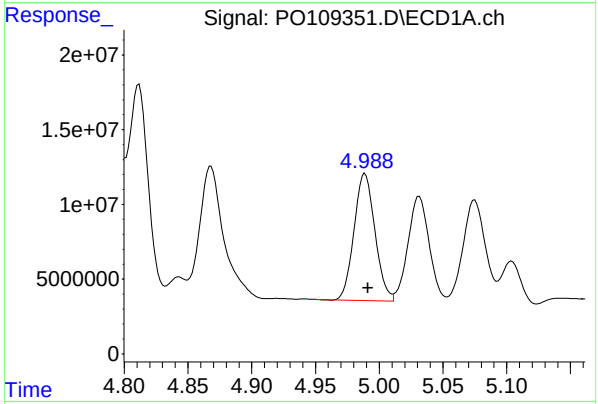
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



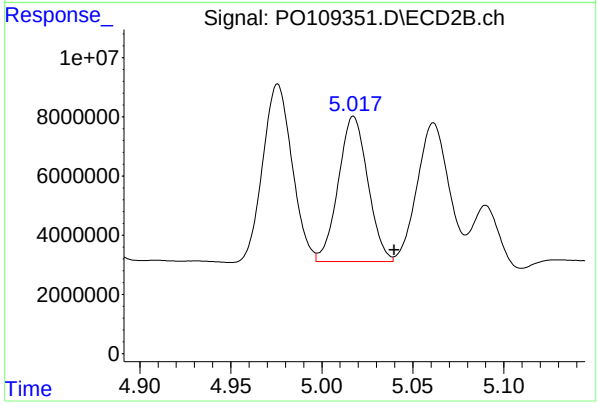
#5 AR-1016-3

R.T.: 4.975 min
Delta R.T.: -0.023 min
Response: 67731643
Conc: 519.50 ng/ml m



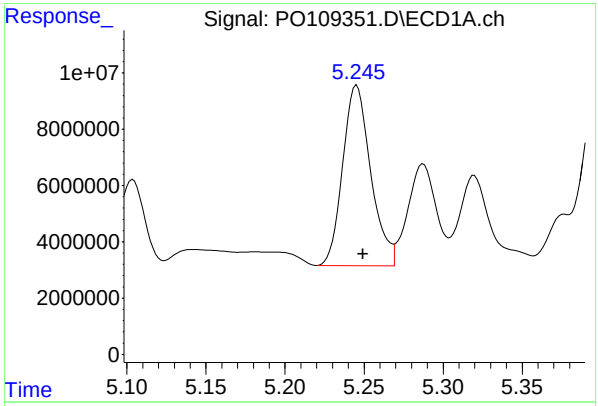
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: -0.002 min
Response: 96637849
Conc: 506.41 ng/ml



#6 AR-1016-4

R.T.: 5.017 min
Delta R.T.: -0.023 min
Response: 55476737
Conc: 501.97 ng/ml m



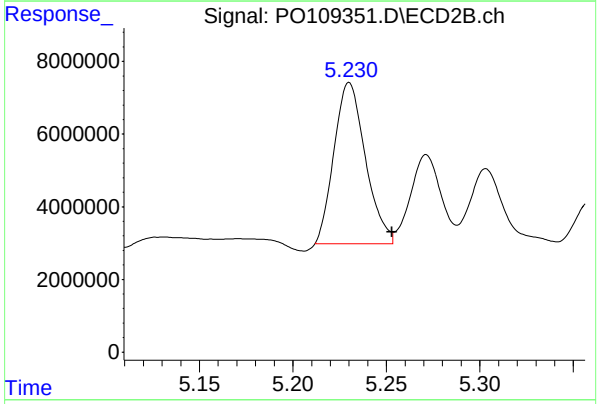
#7 AR-1016-5

R.T.: 5.245 min
Delta R.T.: -0.004 mi
Response: 79075371
Conc: 378.78 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

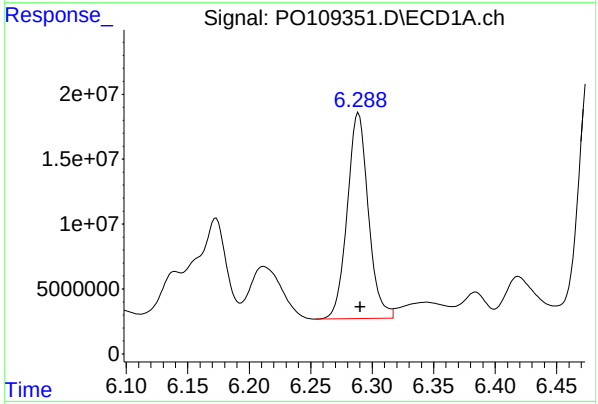
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



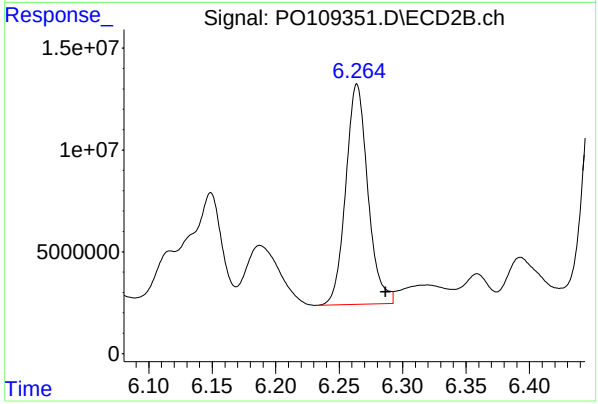
#7 AR-1016-5

R.T.: 5.230 min
Delta R.T.: -0.023 min
Response: 51932507
Conc: 361.79 ng/ml m



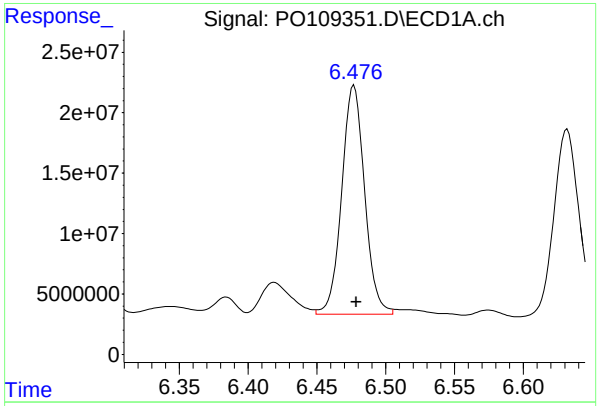
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: -0.001 min
Response: 189061680
Conc: 496.02 ng/ml



#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: -0.022 min
Response: 131111761
Conc: 520.18 ng/ml



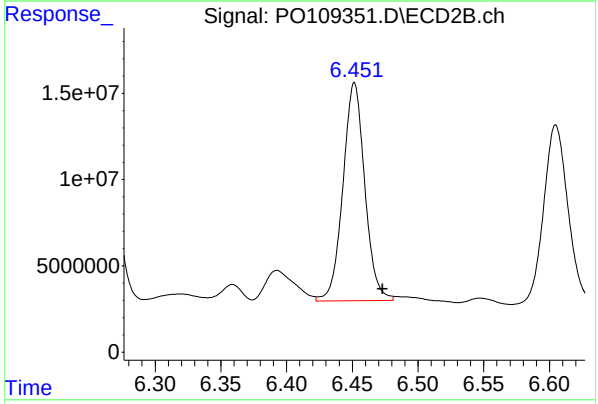
#32 AR-1260-2

R.T.: 6.476 min
Delta R.T.: -0.003 mi
Response: 220264587
Conc: 469.07 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

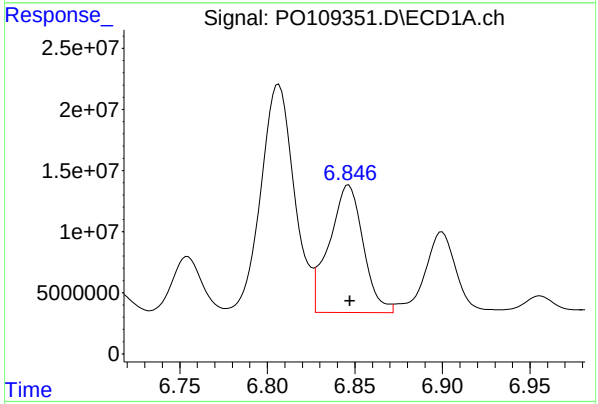
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



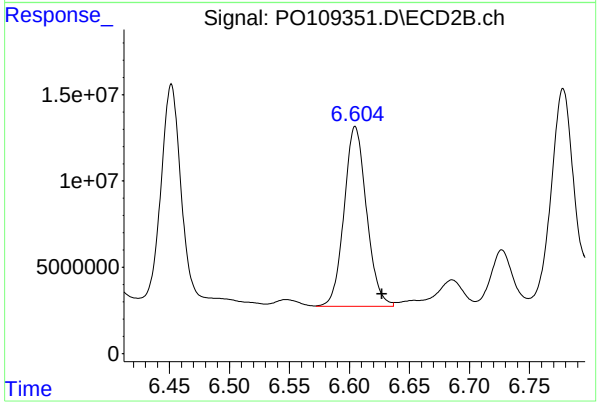
#32 AR-1260-2

R.T.: 6.451 min
Delta R.T.: -0.022 min
Response: 146319749
Conc: 486.43 ng/ml m



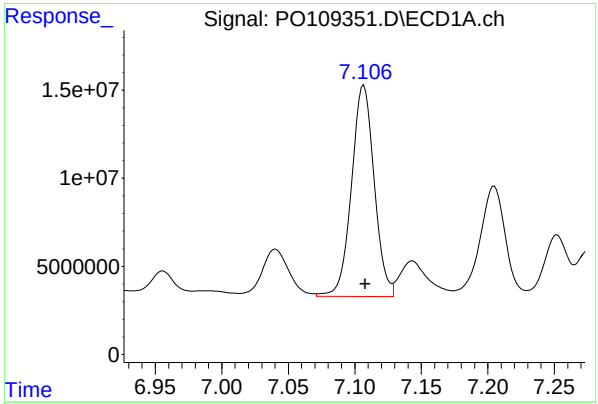
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 140713046
Conc: 359.36 ng/ml



#33 AR-1260-3

R.T.: 6.604 min
Delta R.T.: -0.023 min
Response: 135374899
Conc: 486.28 ng/ml m



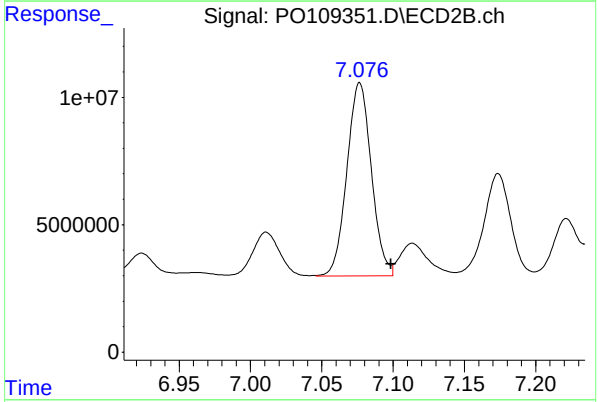
#34 AR-1260-4

R.T.: 7.107 min
Delta R.T.: -0.001 mi
Response: 142207706
Conc: 397.28 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925MSD

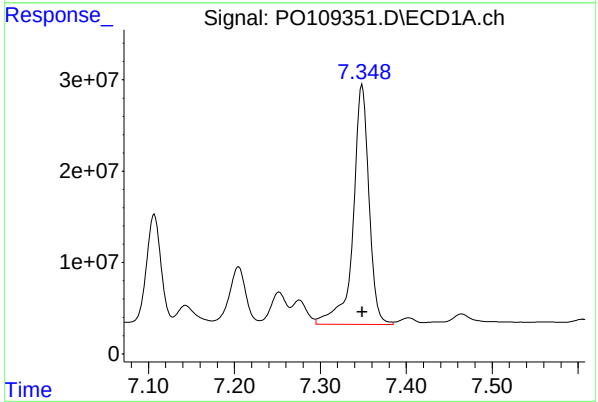
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



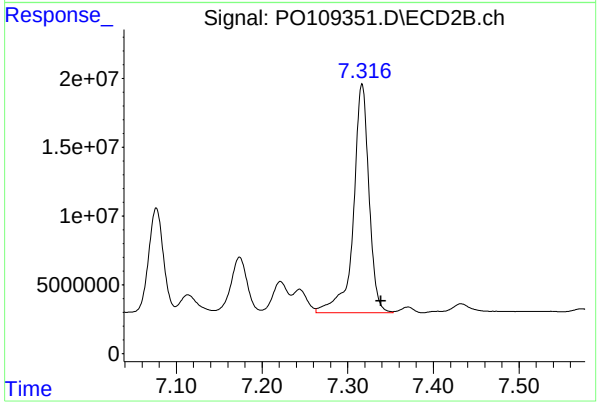
#34 AR-1260-4

R.T.: 7.076 min
Delta R.T.: -0.022 min
Response: 90737896
Conc: 402.12 ng/ml m



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 337725391
Conc: 404.66 ng/ml



#35 AR-1260-5

R.T.: 7.317 min
Delta R.T.: -0.022 min
Response: 210843991
Conc: 421.12 ng/ml

Raw Data: **PO109409.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925MSDRE	SDG No.:	Q1242
Lab Sample ID:	Q1232-03MSDRE	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109409.D	1	01/31/25 08:15	02/04/25 09:46	PB166412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	167		3.80	19.0	ug/kg
11104-28-2	Aroclor-1221	19.0	U	7.20	19.0	ug/kg
11141-16-5	Aroclor-1232	19.0	U	3.80	19.0	ug/kg
53469-21-9	Aroclor-1242	19.0	U	3.80	19.0	ug/kg
12672-29-6	Aroclor-1248	19.0	U	8.80	19.0	ug/kg
11097-69-1	Aroclor-1254	19.0	U	3.10	19.0	ug/kg
37324-23-5	Aroclor-1262	19.0	U	5.10	19.0	ug/kg
11100-14-4	Aroclor-1268	19.0	U	3.80	19.0	ug/kg
11096-82-5	Aroclor-1260	167		3.30	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		32 - 175	114%	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

Quantitation Report (QT Reviewed)

Sample Results: **PO109409.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:46
Operator : YP/AJ
Sample : Q1232-03MSDRE
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:44:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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...	3.697	3.694	157.7E6	108.7E6	20.802m	20.351
2)	SA Decachlor...	8.756	8.707	132.8E6	70989981	20.495	22.780
	Target Compounds						
3)	L1 AR-1016-1	4.791	4.777	116.9E6	81685684	458.058m	486.506m
4)	L1 AR-1016-2	4.811	4.797	145.2E6	102.6E6	423.934m	442.046m
5)	L1 AR-1016-3	4.867	4.973	112.8E6	63111832	465.303m	493.026
6)	L1 AR-1016-4	4.989	5.014	91741714	53419058	477.536	486.552
7)	L1 AR-1016-5	5.245	5.226	65549477	46913000	319.181m	334.428m
31)	L7 AR-1260-1	6.289	6.262	181.6E6	123.5E6	486.613	499.812
32)	L7 AR-1260-2	6.477	6.448	205.4E6	140.9E6	448.361m	482.567m
33)	L7 AR-1260-3	6.846	6.601	133.9E6	127.1E6	349.506	446.824m#
34)	L7 AR-1260-4	7.106	7.074	136.9E6	86224351	390.764	391.533
35)	L7 AR-1260-5	7.347	7.314	339.3E6	205.2E6	415.964	418.173

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO020425\
Data File : PO109409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:46
Operator : YP/AJ
Sample : Q1232-03MSDRE
Misc :
ALS Vial : 38 Sample Multiplier: 1

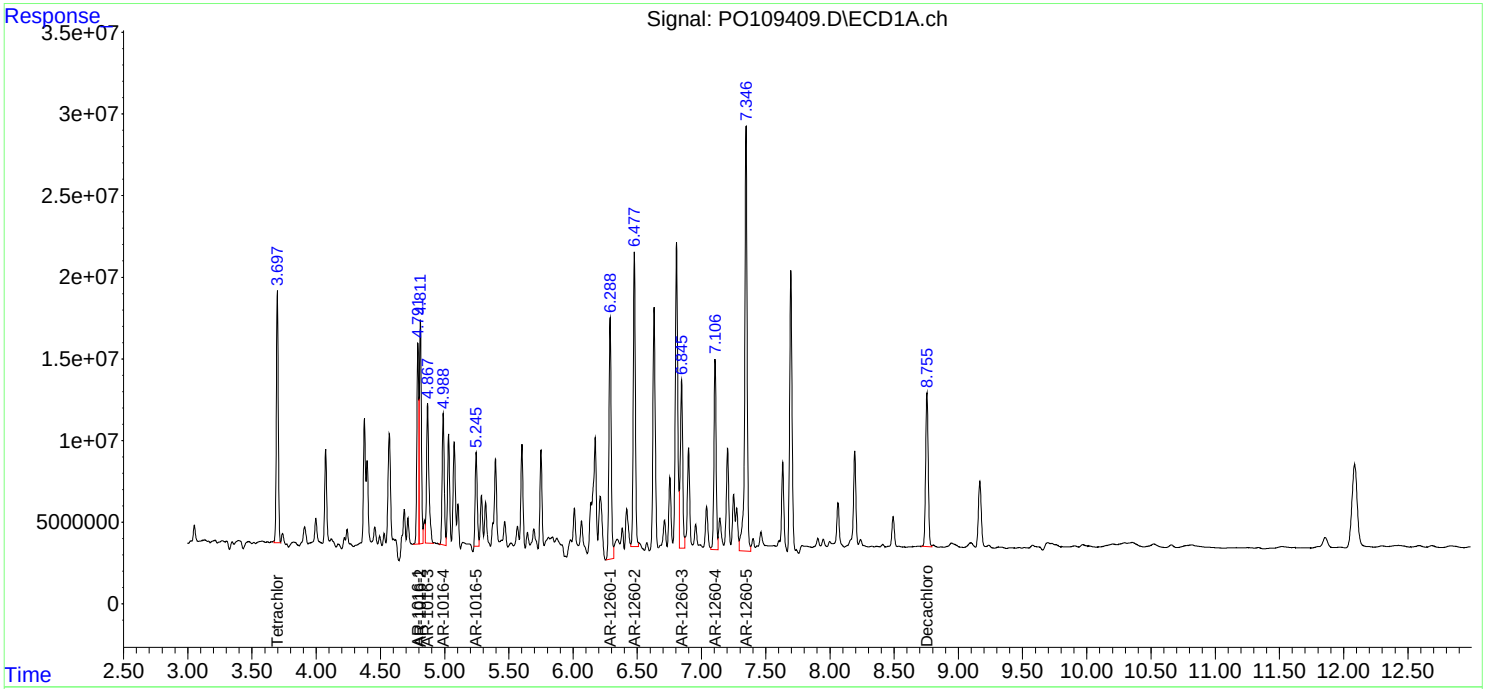
Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

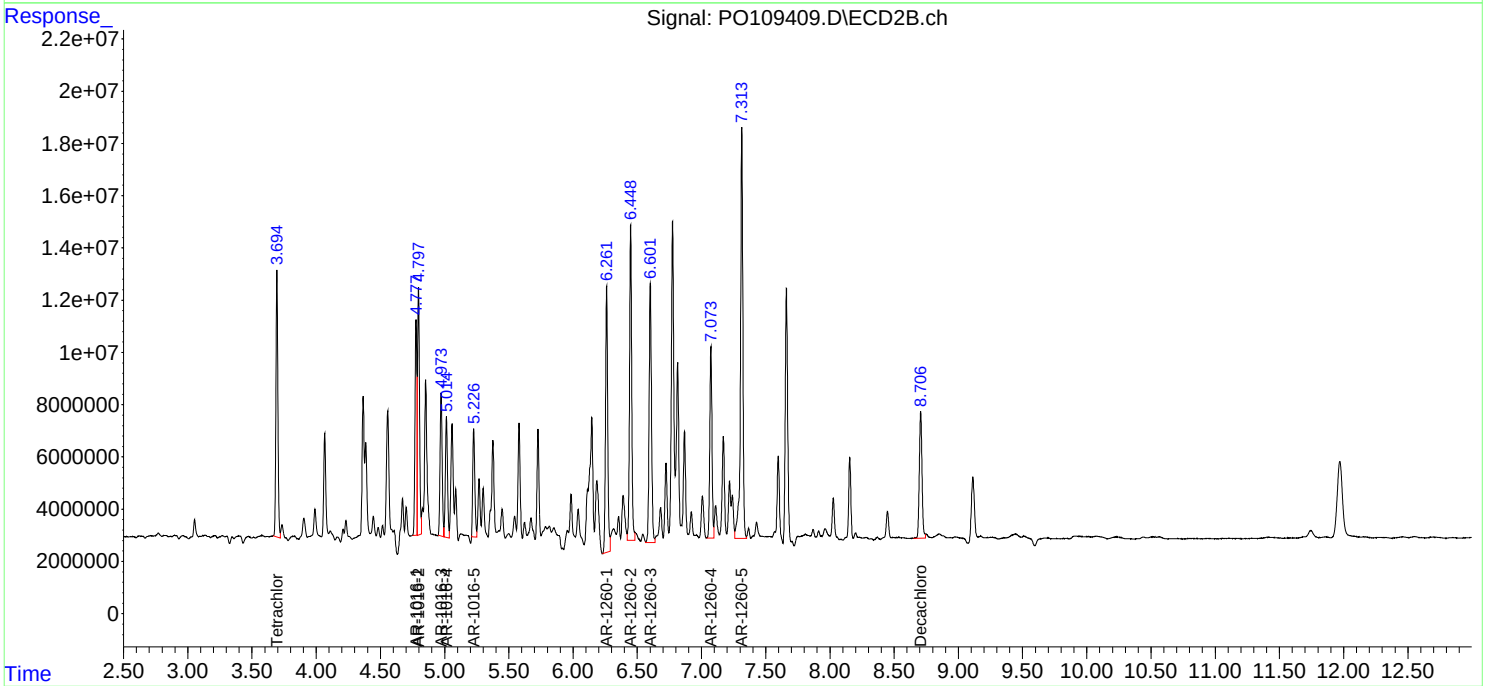
Manual Integrations APPROVED

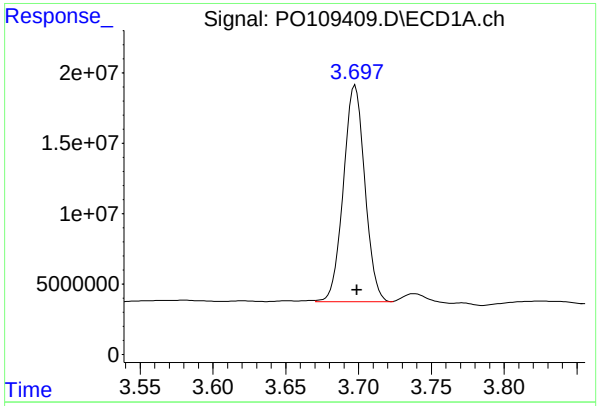
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:44:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO020325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:55:57 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







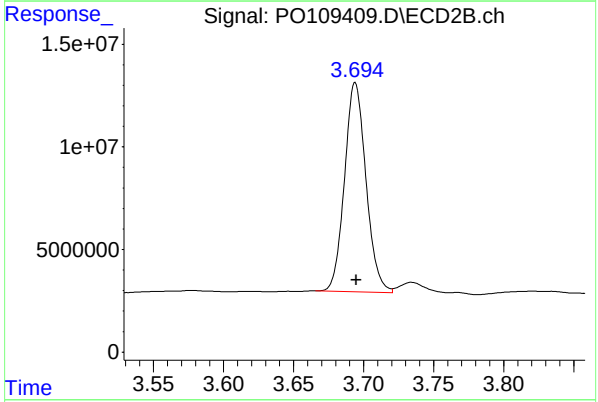
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.002 min
Response: 157654135
Conc: 20.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

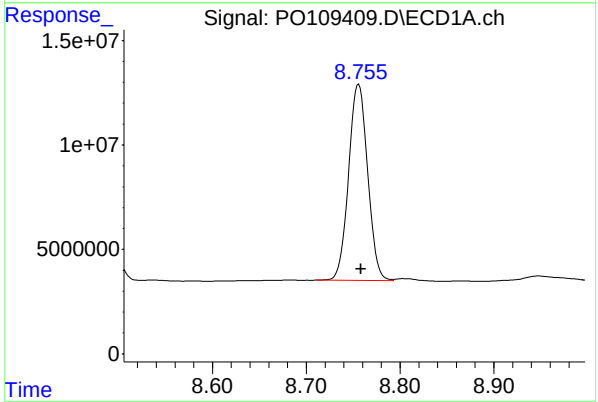
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



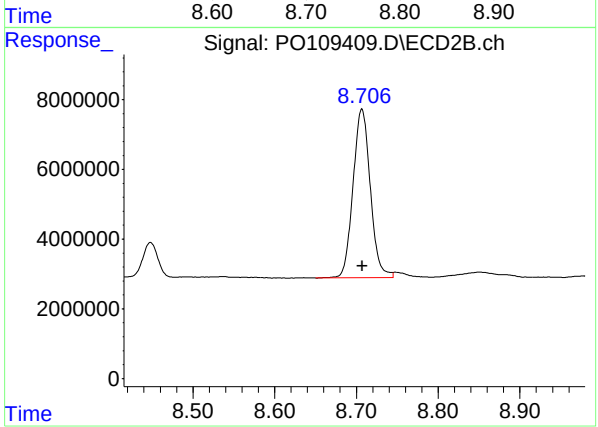
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 108693963
Conc: 20.35 ng/ml



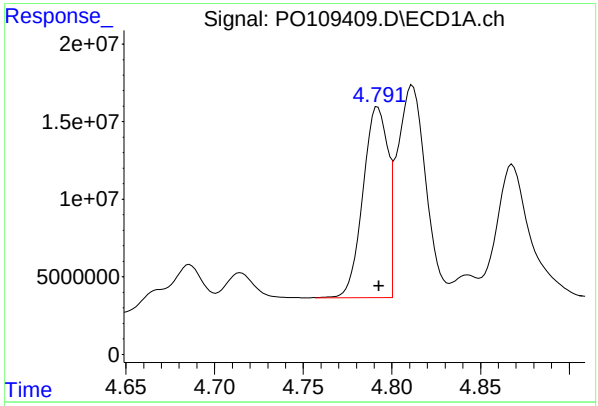
#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: -0.002 min
Response: 132832486
Conc: 20.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.707 min
Delta R.T.: 0.000 min
Response: 70989981
Conc: 22.78 ng/ml



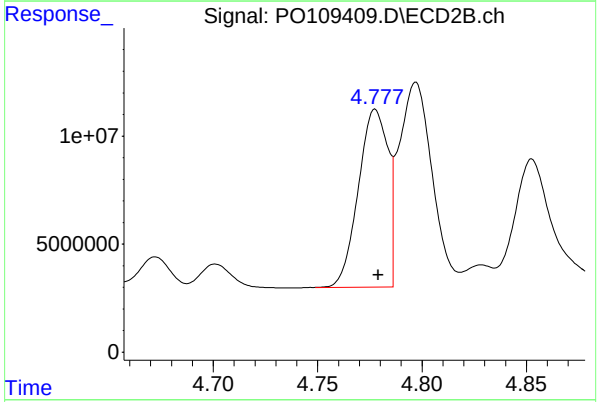
#3 AR-1016-1

R.T.: 4.791 min
Delta R.T.: -0.001 mi
Response: 116935448
Conc: 458.06 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

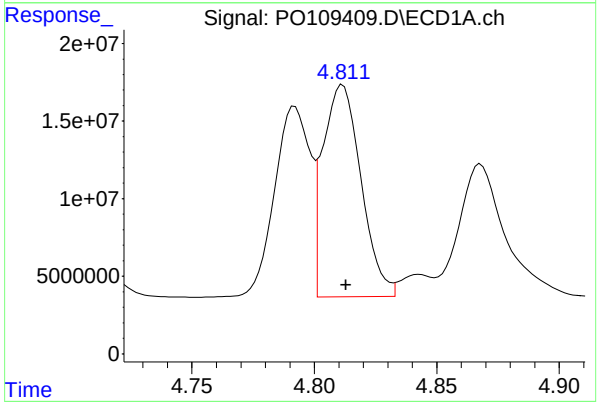
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



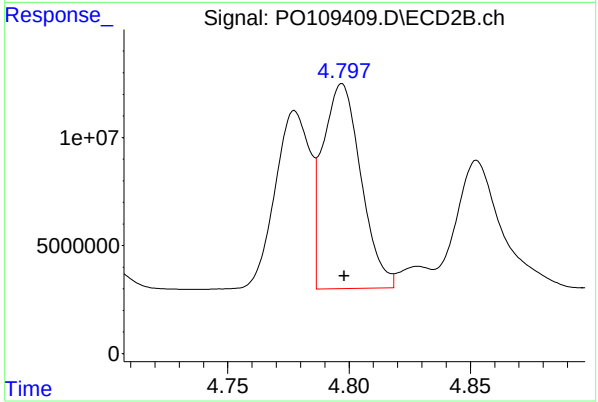
#3 AR-1016-1

R.T.: 4.777 min
Delta R.T.: -0.002 min
Response: 81685684
Conc: 486.51 ng/ml m



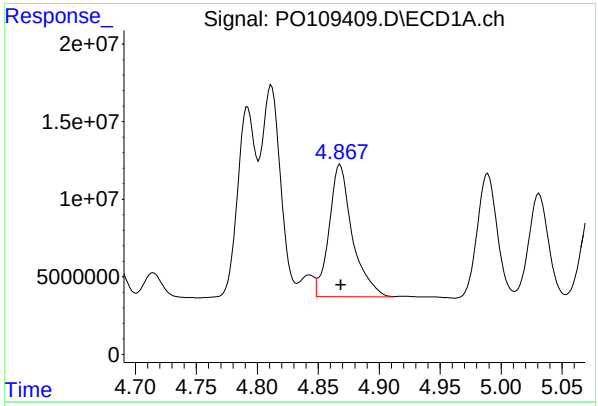
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: -0.002 min
Response: 145189448
Conc: 423.93 ng/ml m



#4 AR-1016-2

R.T.: 4.797 min
Delta R.T.: -0.001 min
Response: 102580625
Conc: 442.05 ng/ml m



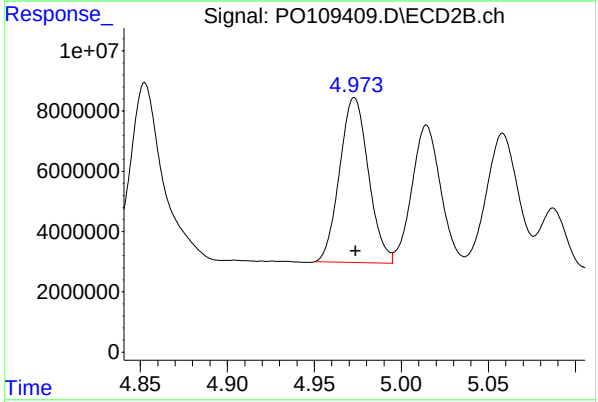
#5 AR-1016-3

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 112822570
Conc: 465.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

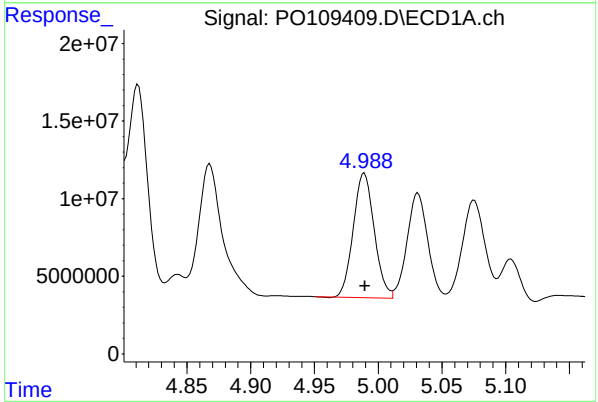
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



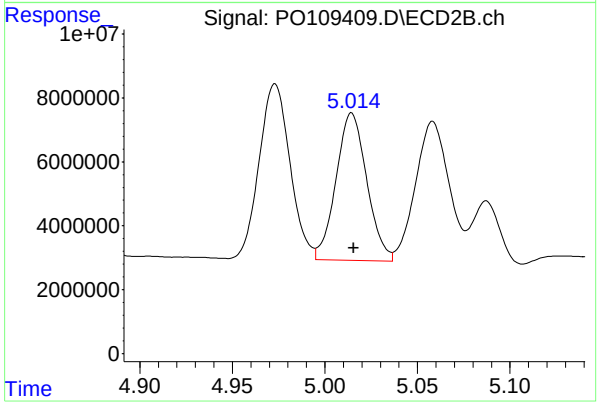
#5 AR-1016-3

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 63111832
Conc: 493.03 ng/ml



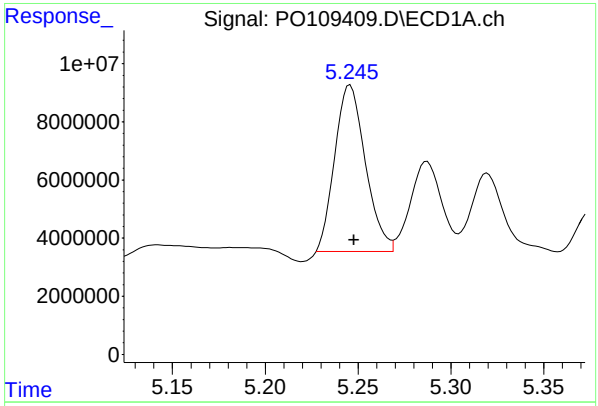
#6 AR-1016-4

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 91741714
Conc: 477.54 ng/ml



#6 AR-1016-4

R.T.: 5.014 min
Delta R.T.: -0.001 min
Response: 53419058
Conc: 486.55 ng/ml



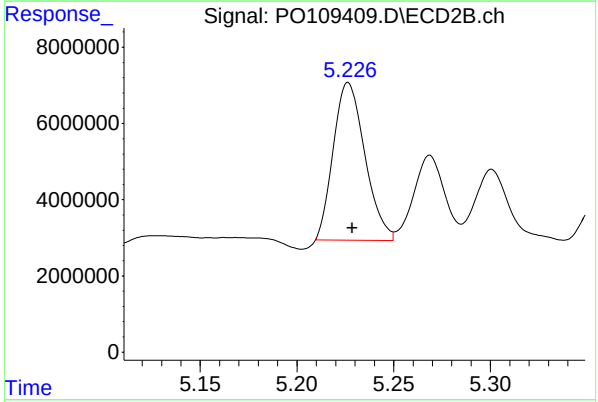
#7 AR-1016-5

R.T.: 5.245 min
Delta R.T.: -0.003 mi
Response: 65549477
Conc: 319.18 ng/m

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

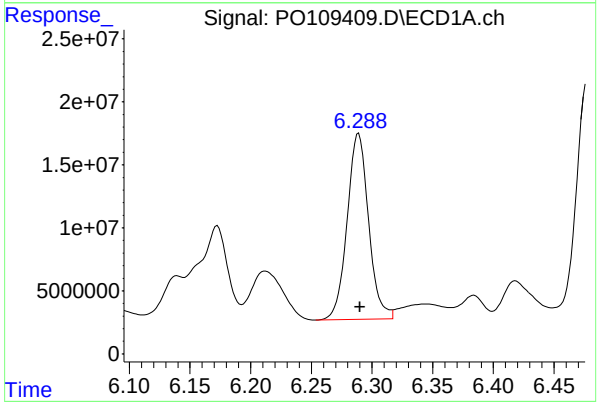
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



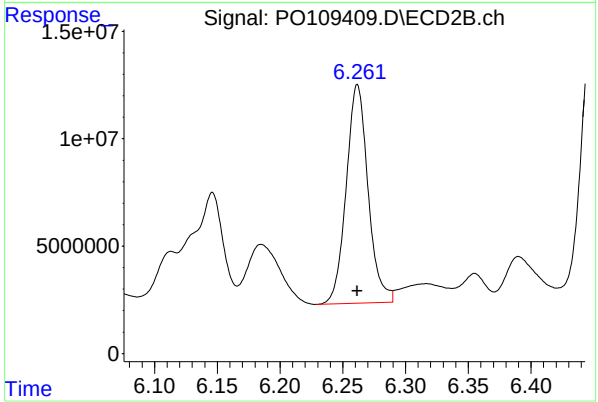
#7 AR-1016-5

R.T.: 5.226 min
Delta R.T.: -0.003 min
Response: 46913000
Conc: 334.43 ng/ml m



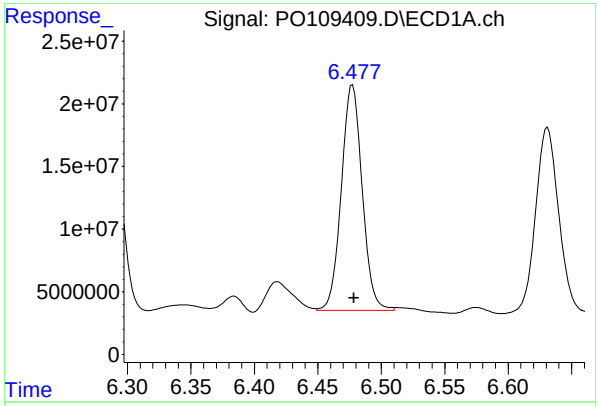
#31 AR-1260-1

R.T.: 6.289 min
Delta R.T.: -0.001 min
Response: 181646050
Conc: 486.61 ng/ml



#31 AR-1260-1

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 123513352
Conc: 499.81 ng/ml



#32 AR-1260-2

R.T.: 6.477 min
Delta R.T.: -0.002 mi
Response: 205414064
Conc: 448.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

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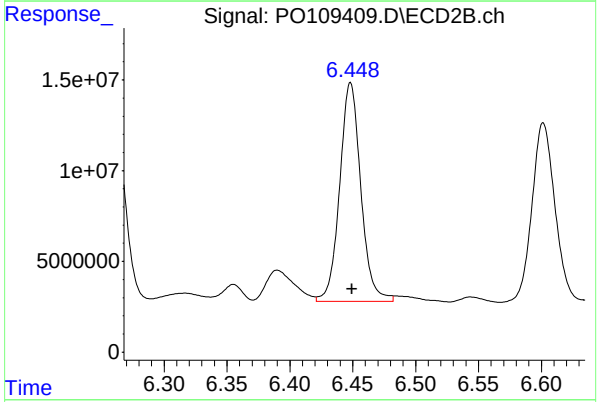
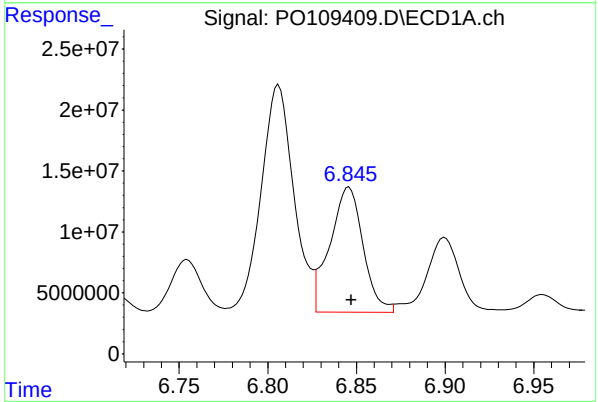
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



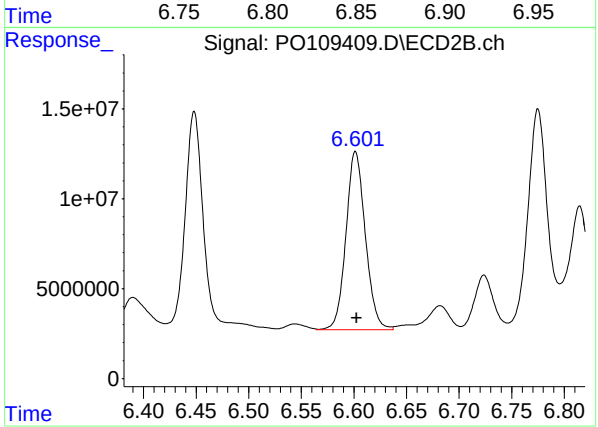
#32 AR-1260-2

R.T.: 6.448 min
Delta R.T.: -0.001 min
Response: 140947780
Conc: 482.57 ng/ml m



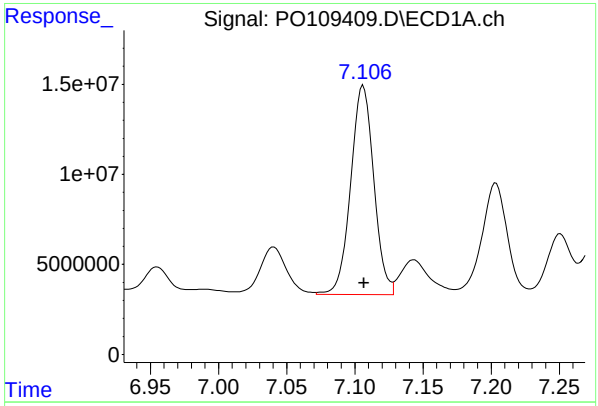
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: -0.001 min
Response: 133859638
Conc: 349.51 ng/ml



#33 AR-1260-3

R.T.: 6.601 min
Delta R.T.: -0.002 min
Response: 127078900
Conc: 446.82 ng/ml m



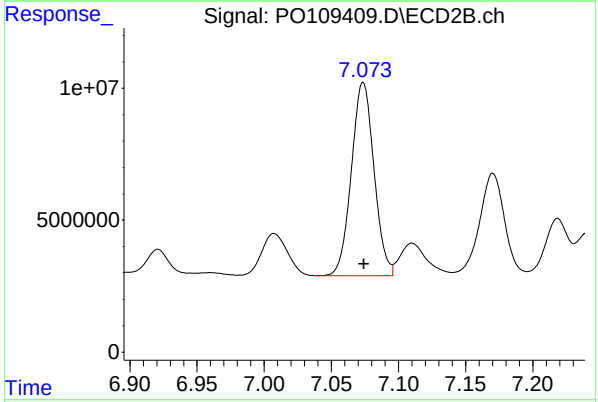
#34 AR-1260-4

R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 136852888
Conc: 390.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-46.2-012925RE

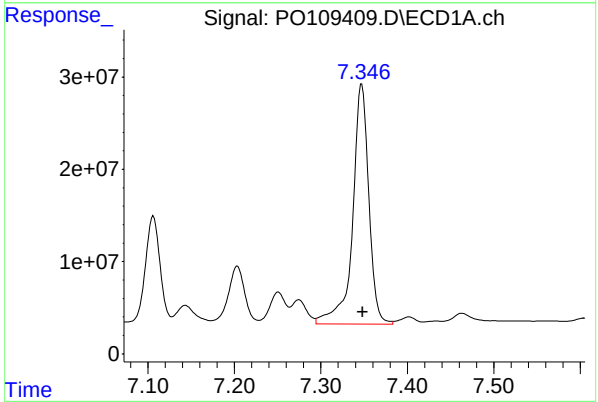
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



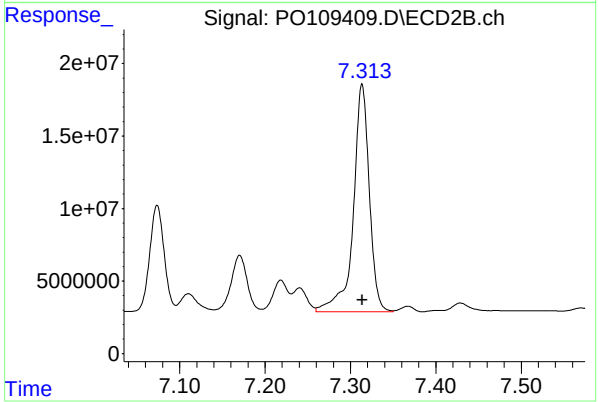
#34 AR-1260-4

R.T.: 7.074 min
Delta R.T.: 0.000 min
Response: 86224351
Conc: 391.53 ng/ml



#35 AR-1260-5

R.T.: 7.347 min
Delta R.T.: -0.001 min
Response: 339250761
Conc: 415.96 ng/ml



#35 AR-1260-5

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 205210540
Conc: 418.17 ng/ml

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Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC1000	PO108982.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO108985.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-5	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-1	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-1 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO108986.D	AR-1260-2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-2 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1242ICC050	PO108993.D	AR-1242-4	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1242ICC050	PO108993.D	AR-1242-4 #2	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1242ICC050	PO108993.D	AR-1242-5 #2	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1242ICC050	PO108993.D	Tetrachloro-m-xylene	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1248ICC050	PO108998.D	AR-1248-3	yogesh	1/22/2025 7:41:25 AM	Ankita	1/22/2025 8:28:50	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PO012125ICV500	PO109010.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO013125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109317.D	AR-1016-5 #2	yogesh	2/3/2025 9:26:46 AM	Ankita	2/3/2025 1:10:00	Peak Integrated by Software
AR1660CCC500	PO109317.D	AR-1260-4 #2	yogesh	2/3/2025 9:26:46 AM	Ankita	2/3/2025 1:10:00	Peak Integrated by Software
PB166412BS	PO109324.D	AR-1016-5 #2	yogesh	2/3/2025 9:25:46 AM	Ankita	2/3/2025 1:10:02	Peak Integrated by Software
PB166412BS	PO109324.D	AR-1260-4 #2	yogesh	2/3/2025 9:25:46 AM	Ankita	2/3/2025 1:10:02	Peak Integrated by Software
PB166412BS	PO109324.D	Tetrachloro-m-xylene #2	yogesh	2/3/2025 9:25:46 AM	Ankita	2/3/2025 1:10:02	Peak Integrated by Software
AR1660CCC500	PO109331.D	AR-1016-4 #2	yogesh	2/3/2025 9:25:56 AM	Ankita	2/3/2025 1:10:08	Peak Integrated by Software
AR1660CCC500	PO109331.D	AR-1016-5 #2	yogesh	2/3/2025 9:25:56 AM	Ankita	2/3/2025 1:10:08	Peak Integrated by Software
AR1660CCC500	PO109331.D	AR-1260-4 #2	yogesh	2/3/2025 9:25:56 AM	Ankita	2/3/2025 1:10:08	Peak Integrated by Software
AR1660CCC500	PO109344.D	AR-1016-1 #2	yogesh	2/3/2025 9:26:02 AM	Ankita	2/3/2025 1:10:31	Peak Integrated by Software
AR1660CCC500	PO109344.D	AR-1016-2 #2	yogesh	2/3/2025 9:26:02 AM	Ankita	2/3/2025 1:10:31	Peak Integrated by Software
AR1660CCC500	PO109344.D	AR-1016-3 #2	yogesh	2/3/2025 9:26:02 AM	Ankita	2/3/2025 1:10:31	Peak Integrated by Software
AR1660CCC500	PO109344.D	AR-1016-4 #2	yogesh	2/3/2025 9:26:02 AM	Ankita	2/3/2025 1:10:31	Peak Integrated by Software
AR1660CCC500	PO109344.D	AR-1016-5 #2	yogesh	2/3/2025 9:26:02 AM	Ankita	2/3/2025 1:10:31	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO013125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109344.D	AR-1260-4 #2	yogesh	2/3/2025 9:26:02 AM	Ankita	2/3/2025 1:10:31	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1016-1 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1016-2 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1016-3 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1016-4 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1016-5 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1260-2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1260-2 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1260-3 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	AR-1260-4 #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	Tetrachloro-m-xylene	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MS	PO109350.D	Tetrachloro-m-xylene #2	yogesh	2/3/2025 9:26:04 AM	Ankita	2/3/2025 1:10:33	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1016-1 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software

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Sequence:	PO013125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1232-03MSD	PO109351.D	AR-1016-2 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1016-3 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1016-4 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1016-5 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1260-2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1260-2 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1260-3 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	AR-1260-4 #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	Tetrachloro-m-xylene	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
Q1232-03MSD	PO109351.D	Tetrachloro-m-xylene #2	yogesh	2/3/2025 9:26:05 AM	Ankita	2/3/2025 1:10:35	Peak Integrated by Software
AR1660CCC500	PO109364.D	AR-1016-1 #2	yogesh	2/3/2025 9:26:26 AM	Ankita	2/3/2025 1:10:56	Peak Integrated by Software
AR1660CCC500	PO109364.D	AR-1016-2 #2	yogesh	2/3/2025 9:26:26 AM	Ankita	2/3/2025 1:10:56	Peak Integrated by Software
AR1660CCC500	PO109364.D	AR-1016-3 #2	yogesh	2/3/2025 9:26:26 AM	Ankita	2/3/2025 1:10:56	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO013125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109364.D	AR-1016-4 #2	yogesh	2/3/2025 9:26:26 AM	Ankita	2/3/2025 1:10:56	Peak Integrated by Software
AR1660CCC500	PO109364.D	AR-1016-5 #2	yogesh	2/3/2025 9:26:26 AM	Ankita	2/3/2025 1:10:56	Peak Integrated by Software
AR1660CCC500	PO109364.D	AR-1260-4 #2	yogesh	2/3/2025 9:26:26 AM	Ankita	2/3/2025 1:10:56	Peak Integrated by Software

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Sequence:	PO020325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO109374.D	AR-1016-5	yogesh	2/5/2025 8:02:43 AM	Ankita	2/5/2025 8:50:22	Peak Integrated by Software
AR1660ICC050	PO109374.D	AR-1016-5 #2	yogesh	2/5/2025 8:02:43 AM	Ankita	2/5/2025 8:50:22	Peak Integrated by Software
AR1660ICC050	PO109374.D	AR-1260-1	yogesh	2/5/2025 8:02:43 AM	Ankita	2/5/2025 8:50:22	Peak Integrated by Software
AR1660ICC050	PO109374.D	AR-1260-1 #2	yogesh	2/5/2025 8:02:43 AM	Ankita	2/5/2025 8:50:22	Peak Integrated by Software
AR1660ICC050	PO109374.D	AR-1260-2	yogesh	2/5/2025 8:02:43 AM	Ankita	2/5/2025 8:50:22	Peak Integrated by Software
AR1660ICC050	PO109374.D	AR-1260-2 #2	yogesh	2/5/2025 8:02:43 AM	Ankita	2/5/2025 8:50:22	Peak Integrated by Software
AR1242ICC050	PO109381.D	AR-1242-4 #2	yogesh	2/5/2025 8:02:44 AM	Ankita	2/5/2025 8:50:24	Peak Integrated by Software
AR1242ICC050	PO109381.D	AR-1242-5 #2	yogesh	2/5/2025 8:02:44 AM	Ankita	2/5/2025 8:50:24	Peak Integrated by Software
AR1248ICC050	PO109386.D	AR-1248-4 #2	yogesh	2/5/2025 8:02:46 AM	Ankita	2/5/2025 8:50:25	Peak Integrated by Software
AR1248ICC050	PO109386.D	AR-1248-5 #2	yogesh	2/5/2025 8:02:46 AM	Ankita	2/5/2025 8:50:25	Peak Integrated by Software
AR1268ICV500	PO109402.D	AR-1268-1	yogesh	2/5/2025 8:02:48 AM	Ankita	2/5/2025 8:50:27	Peak Integrated by Software
AR1268ICV500	PO109402.D	AR-1268-1 #2	yogesh	2/5/2025 8:02:48 AM	Ankita	2/5/2025 8:50:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO020325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	PO020425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1232-03MSRE	PO109408.D	AR-1016-1	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1016-1 #2	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1016-2	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1016-2 #2	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1016-3	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1016-5	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1016-5 #2	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1260-2	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1260-2 #2	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	AR-1260-3 #2	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSRE	PO109408.D	Tetrachloro-m-xylene	yogesh	2/5/2025 8:20:49 AM	Ankita	2/5/2025 9:16:15	Peak Integrated by Software
Q1232-03MSDRE	PO109409.D	AR-1016-1	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSDRE	PO109409.D	AR-1016-1 #2	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO020425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1232-03MSD RE	PO109409.D	AR-1016-2	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	AR-1016-2 #2	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	AR-1016-3	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	AR-1016-5	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	AR-1016-5 #2	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	AR-1260-2	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	AR-1260-2 #2	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	AR-1260-3 #2	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1232-03MSD RE	PO109409.D	Tetrachloro-m-xylene	yogesh	2/5/2025 8:20:51 AM	Ankita	2/5/2025 9:16:16	Peak Integrated by Software
Q1242-03RE	PO109421.D	Tetrachloro-m-xylene	yogesh	2/5/2025 8:21:08 AM	Ankita	2/5/2025 9:16:31	Peak Integrated by Software
Q1242-03RE	PO109421.D	Tetrachloro-m-xylene #2	yogesh	2/5/2025 8:21:08 AM	Ankita	2/5/2025 9:16:31	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO108980.D	21 Jan 2025 16:59	YP/AJ	Ok
2	I.BLK	PO108981.D	21 Jan 2025 17:18	YP/AJ	Ok
3	AR1660ICC1000	PO108982.D	21 Jan 2025 17:36	YP/AJ	Ok,M
4	AR1660ICC750	PO108983.D	21 Jan 2025 17:54	YP/AJ	Ok,M
5	AR1660ICC500	PO108984.D	21 Jan 2025 18:13	YP/AJ	Ok
6	AR1660ICC250	PO108985.D	21 Jan 2025 18:31	YP/AJ	Ok,M
7	AR1660ICC050	PO108986.D	21 Jan 2025 18:49	YP/AJ	Ok,M
8	AR1221ICC500	PO108987.D	21 Jan 2025 19:07	YP/AJ	Ok
9	AR1232ICC500	PO108988.D	21 Jan 2025 19:26	YP/AJ	Ok
10	AR1242ICC1000	PO108989.D	21 Jan 2025 19:44	YP/AJ	Ok
11	AR1242ICC750	PO108990.D	21 Jan 2025 20:02	YP/AJ	Ok
12	AR1242ICC500	PO108991.D	21 Jan 2025 20:21	YP/AJ	Ok
13	AR1242ICC250	PO108992.D	21 Jan 2025 20:39	YP/AJ	Ok
14	AR1242ICC050	PO108993.D	21 Jan 2025 20:57	YP/AJ	Ok,M
15	AR1248ICC1000	PO108994.D	21 Jan 2025 21:16	YP/AJ	Ok
16	AR1248ICC750	PO108995.D	21 Jan 2025 21:34	YP/AJ	Ok
17	AR1248ICC500	PO108996.D	21 Jan 2025 21:52	YP/AJ	Ok
18	AR1248ICC250	PO108997.D	21 Jan 2025 22:10	YP/AJ	Ok
19	AR1248ICC050	PO108998.D	21 Jan 2025 22:29	YP/AJ	Ok,M
20	AR1254ICC1000	PO108999.D	21 Jan 2025 22:47	YP/AJ	Ok
21	AR1254ICC750	PO109000.D	21 Jan 2025 23:05	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO109001.D	21 Jan 2025 23:23	YP/AJ	Ok
23	AR1254ICC250	PO109002.D	21 Jan 2025 23:42	YP/AJ	Ok
24	AR1254ICC050	PO109003.D	22 Jan 2025 00:00	YP/AJ	Ok
25	AR1262ICC500	PO109004.D	22 Jan 2025 00:18	YP/AJ	Ok
26	AR1268ICC1000	PO109005.D	22 Jan 2025 00:37	YP/AJ	Ok
27	AR1268ICC750	PO109006.D	22 Jan 2025 00:55	YP/AJ	Ok
28	AR1268ICC500	PO109007.D	22 Jan 2025 01:13	YP/AJ	Ok
29	AR1268ICC250	PO109008.D	22 Jan 2025 01:31	YP/AJ	Ok
30	AR1268ICC050	PO109009.D	22 Jan 2025 01:50	YP/AJ	Ok
31	PO012125ICV500	PO109010.D	22 Jan 2025 02:08	YP/AJ	Ok,M
32	AR1242ICV500	PO109011.D	22 Jan 2025 02:26	YP/AJ	Ok
33	AR1248ICV500	PO109012.D	22 Jan 2025 02:44	YP/AJ	Ok
34	AR1254ICV500	PO109013.D	22 Jan 2025 03:03	YP/AJ	Ok
35	AR1268ICV500	PO109014.D	22 Jan 2025 03:21	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013125

Review By	yogesh	Review On	2/3/2025 9:26:52 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:11:23 PM		
SubDirectory	PO013125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109316.D	31 Jan 2025 08:58	YP/AJ	Ok
2	AR1660CCC500	PO109317.D	31 Jan 2025 09:16	YP/AJ	Ok,M
3	AR1242CCC500	PO109318.D	31 Jan 2025 09:34	YP/AJ	Ok
4	AR1248CCC500	PO109319.D	31 Jan 2025 09:52	YP/AJ	Ok
5	AR1254CCC500	PO109320.D	31 Jan 2025 10:11	YP/AJ	Ok
6	I.BLK	PO109321.D	31 Jan 2025 10:29	YP/AJ	Ok
7	Q1233-01	PO109322.D	31 Jan 2025 10:46	YP/AJ	Ok
8	PB166412BL	PO109323.D	31 Jan 2025 11:35	YP/AJ	Ok
9	PB166412BS	PO109324.D	31 Jan 2025 11:53	YP/AJ	Ok,M
10	Q1239-01	PO109325.D	31 Jan 2025 12:12	YP/AJ	Ok,M
11	Q1239-04	PO109326.D	31 Jan 2025 12:30	YP/AJ	Ok
12	Q1239-07	PO109327.D	31 Jan 2025 12:48	YP/AJ	Ok,M
13	Q1239-10	PO109328.D	31 Jan 2025 13:07	YP/AJ	Ok
14	Q1243-01	PO109329.D	31 Jan 2025 13:25	YP/AJ	Ok
15	Q1244-01	PO109330.D	31 Jan 2025 13:43	YP/AJ	Ok,M
16	AR1660CCC500	PO109331.D	31 Jan 2025 17:22	YP/AJ	Ok,M
17	AR1242CCC500	PO109332.D	31 Jan 2025 17:39	YP/AJ	Ok
18	AR1248CCC500	PO109333.D	31 Jan 2025 17:58	YP/AJ	Ok
19	AR1254CCC500	PO109334.D	31 Jan 2025 18:16	YP/AJ	Ok
20	I.BLK	PO109335.D	31 Jan 2025 18:35	YP/AJ	Ok
21	PB166420BL	PO109336.D	31 Jan 2025 18:53	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013125

Review By	yogesh	Review On	2/3/2025 9:26:52 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:11:23 PM		
SubDirectory	PO013125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB166420BS	PO109337.D	31 Jan 2025 19:10	YP/AJ	Ok,M
23	PB166420BSD	PO109338.D	31 Jan 2025 19:29	YP/AJ	Ok,M
24	Q1234-01	PO109339.D	31 Jan 2025 19:47	YP/AJ	Ok
25	Q1234-04	PO109340.D	31 Jan 2025 20:05	YP/AJ	Ok
26	Q1234-05	PO109341.D	31 Jan 2025 20:24	YP/AJ	Ok,M
27	Q1234-06	PO109342.D	31 Jan 2025 20:42	YP/AJ	Ok
28	Q1234-07	PO109343.D	31 Jan 2025 21:01	YP/AJ	Ok
29	AR1660CCC500	PO109344.D	31 Jan 2025 22:43	YP/AJ	Ok,M
30	AR1242CCC500	PO109345.D	31 Jan 2025 23:01	YP/AJ	Ok
31	AR1248CCC500	PO109346.D	31 Jan 2025 23:20	YP/AJ	Ok
32	AR1254CCC500	PO109347.D	31 Jan 2025 23:38	YP/AJ	Ok
33	I.BLK	PO109348.D	31 Jan 2025 23:57	YP/AJ	Ok
34	Q1232-03	PO109349.D	01 Feb 2025 00:15	YP/AJ	ReRun
35	Q1232-03MS	PO109350.D	01 Feb 2025 00:33	YP/AJ	ReRun
36	Q1232-03MSD	PO109351.D	01 Feb 2025 00:51	YP/AJ	ReRun
37	Q1232-07	PO109352.D	01 Feb 2025 01:09	YP/AJ	ReRun
38	Q1232-11	PO109353.D	01 Feb 2025 01:27	YP/AJ	ReRun
39	Q1232-15	PO109354.D	01 Feb 2025 01:46	YP/AJ	ReRun
40	Q1232-19	PO109355.D	01 Feb 2025 02:04	YP/AJ	ReRun
41	Q1235-03	PO109356.D	01 Feb 2025 02:23	YP/AJ	ReRun
42	Q1235-07	PO109357.D	01 Feb 2025 02:41	YP/AJ	ReRun
43	Q1241-03	PO109358.D	01 Feb 2025 03:00	YP/AJ	ReRun
44	Q1241-07	PO109359.D	01 Feb 2025 03:18	YP/AJ	ReRun

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013125

Review By	yogesh	Review On	2/3/2025 9:26:52 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:11:23 PM		
SubDirectory	PO013125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q1241-11	PO109360.D	01 Feb 2025 03:35	YP/AJ	ReRun
46	Q1241-15	PO109361.D	01 Feb 2025 03:54	YP/AJ	ReRun
47	Q1241-19	PO109362.D	01 Feb 2025 04:12	YP/AJ	ReRun
48	Q1242-03	PO109363.D	01 Feb 2025 04:30	YP/AJ	ReRun
49	AR1660CCC500	PO109364.D	01 Feb 2025 06:43	YP/AJ	Ok,M
50	I.BLK	PO109365.D	01 Feb 2025 07:01	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020325

Review By	yogesh	Review On	2/5/2025 8:02:58 AM		
Supervise By	Ankita	Supervise On	2/5/2025 8:50:33 AM		
SubDirectory	PO020325	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109366.D	03 Feb 2025 11:25	YP/AJ	Ok
2	AR1660CCC500	PO109367.D	03 Feb 2025 11:44	YP/AJ	Not Ok
3	HEXANE	PO109368.D	03 Feb 2025 17:40	YP/AJ	Ok
4	I.BLK	PO109369.D	03 Feb 2025 17:58	YP/AJ	Ok
5	AR1660ICC1000	PO109370.D	03 Feb 2025 18:17	YP/AJ	Ok
6	AR1660ICC750	PO109371.D	03 Feb 2025 18:35	YP/AJ	Ok
7	AR1660ICC500	PO109372.D	03 Feb 2025 18:53	YP/AJ	Ok
8	AR1660ICC250	PO109373.D	03 Feb 2025 19:12	YP/AJ	Ok
9	AR1660ICC050	PO109374.D	03 Feb 2025 19:30	YP/AJ	Ok,M
10	AR1221ICC500	PO109375.D	03 Feb 2025 19:49	YP/AJ	Ok
11	AR1232ICC500	PO109376.D	03 Feb 2025 20:07	YP/AJ	Ok
12	AR1242ICC1000	PO109377.D	03 Feb 2025 20:25	YP/AJ	Ok
13	AR1242ICC750	PO109378.D	03 Feb 2025 20:44	YP/AJ	Ok
14	AR1242ICC500	PO109379.D	03 Feb 2025 21:02	YP/AJ	Ok
15	AR1242ICC250	PO109380.D	03 Feb 2025 21:19	YP/AJ	Ok
16	AR1242ICC050	PO109381.D	03 Feb 2025 21:38	YP/AJ	Ok,M
17	AR1248ICC1000	PO109382.D	03 Feb 2025 21:56	YP/AJ	Ok
18	AR1248ICC750	PO109383.D	03 Feb 2025 22:14	YP/AJ	Ok
19	AR1248ICC500	PO109384.D	03 Feb 2025 22:32	YP/AJ	Ok
20	AR1248ICC250	PO109385.D	03 Feb 2025 22:50	YP/AJ	Ok
21	AR1248ICC050	PO109386.D	03 Feb 2025 23:08	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020325

Review By	yogesh	Review On	2/5/2025 8:02:58 AM		
Supervise By	Ankita	Supervise On	2/5/2025 8:50:33 AM		
SubDirectory	PO020325	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC1000	PO109387.D	03 Feb 2025 23:27	YP/AJ	Ok
23	AR1254ICC750	PO109388.D	03 Feb 2025 23:45	YP/AJ	Ok
24	AR1254ICC500	PO109389.D	04 Feb 2025 00:03	YP/AJ	Ok
25	AR1254ICC250	PO109390.D	04 Feb 2025 00:22	YP/AJ	Ok
26	AR1254ICC050	PO109391.D	04 Feb 2025 00:40	YP/AJ	Ok
27	AR1262ICC500	PO109392.D	04 Feb 2025 00:58	YP/AJ	Ok
28	AR1268ICC1000	PO109393.D	04 Feb 2025 01:17	YP/AJ	Ok
29	AR1268ICC750	PO109394.D	04 Feb 2025 01:35	YP/AJ	Ok
30	AR1268ICC500	PO109395.D	04 Feb 2025 01:54	YP/AJ	Ok
31	AR1268ICC250	PO109396.D	04 Feb 2025 02:12	YP/AJ	Ok
32	AR1268ICC050	PO109397.D	04 Feb 2025 02:30	YP/AJ	Ok
33	PO020325ICV500	PO109398.D	04 Feb 2025 02:49	YP/AJ	Not Ok
34	AR1242ICV500	PO109399.D	04 Feb 2025 03:07	YP/AJ	Ok
35	AR1248ICV500	PO109400.D	04 Feb 2025 03:25	YP/AJ	Ok
36	AR1254ICV500	PO109401.D	04 Feb 2025 03:44	YP/AJ	Not Ok
37	AR1268ICV500	PO109402.D	04 Feb 2025 04:02	YP/AJ	Ok,M
38	AR1254ICV500	PO109403.D	04 Feb 2025 04:57	YP/AJ	Ok,NR
39	PO020325ICV500	PO109404.D	04 Feb 2025 08:00	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020425

Review By	yogesh	Review On	2/5/2025 8:21:22 AM		
Supervise By	Ankita	Supervise On	2/5/2025 9:16:47 AM		
SubDirectory	PO020425	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	AR1660CCC500	PO109405.D	04 Feb 2025 08:32	YP/AJ	Ok
2	I.BLK	PO109406.D	04 Feb 2025 08:51	YP/AJ	Ok
3	Q1232-03RE	PO109407.D	04 Feb 2025 09:09	YP/AJ	Confirms
4	Q1232-03MSRE	PO109408.D	04 Feb 2025 09:27	YP/AJ	Confirms
5	Q1232-03MSDRE	PO109409.D	04 Feb 2025 09:46	YP/AJ	Confirms
6	Q1232-07RE	PO109410.D	04 Feb 2025 10:04	YP/AJ	Confirms
7	Q1232-11RE	PO109411.D	04 Feb 2025 10:22	YP/AJ	Confirms
8	Q1232-15RE	PO109412.D	04 Feb 2025 10:40	YP/AJ	Confirms
9	Q1232-19RE	PO109413.D	04 Feb 2025 10:59	YP/AJ	Confirms
10	Q1235-03RE	PO109414.D	04 Feb 2025 11:17	YP/AJ	Confirms
11	Q1235-07RE	PO109415.D	04 Feb 2025 11:35	YP/AJ	Confirms
12	Q1241-03RE	PO109416.D	04 Feb 2025 11:54	YP/AJ	Confirms
13	Q1241-07RE	PO109417.D	04 Feb 2025 12:12	YP/AJ	Confirms
14	Q1241-11RE	PO109418.D	04 Feb 2025 12:31	YP/AJ	Confirms
15	Q1241-15RE	PO109419.D	04 Feb 2025 12:49	YP/AJ	Confirms
16	Q1241-19RE	PO109420.D	04 Feb 2025 13:07	YP/AJ	Confirms
17	Q1242-03RE	PO109421.D	04 Feb 2025 13:25	YP/AJ	Confirms
18	AR1660CCC500	PO109422.D	04 Feb 2025 13:58	YP/AJ	Ok
19	I.BLK	PO109423.D	04 Feb 2025 14:16	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO108980.D	21 Jan 2025 16:59		YP/AJ	Ok
2	I.BLK	I.BLK	PO108981.D	21 Jan 2025 17:18		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO108982.D	21 Jan 2025 17:36		YP/AJ	Ok,M
4	AR1660ICC750	AR1660ICC750	PO108983.D	21 Jan 2025 17:54		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO108984.D	21 Jan 2025 18:13		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO108985.D	21 Jan 2025 18:31		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO108986.D	21 Jan 2025 18:49		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO108987.D	21 Jan 2025 19:07		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO108988.D	21 Jan 2025 19:26		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO108989.D	21 Jan 2025 19:44		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO108990.D	21 Jan 2025 20:02		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO108991.D	21 Jan 2025 20:21		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO108992.D	21 Jan 2025 20:39		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO108993.D	21 Jan 2025 20:57		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO108994.D	21 Jan 2025 21:16		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO108995.D	21 Jan 2025 21:34		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO108996.D	21 Jan 2025 21:52		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO108997.D	21 Jan 2025 22:10		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO108998.D	21 Jan 2025 22:29		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO108999.D	21 Jan 2025 22:47		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109000.D	21 Jan 2025 23:05		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109001.D	21 Jan 2025 23:23		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109002.D	21 Jan 2025 23:42		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109003.D	22 Jan 2025 00:00		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO109004.D	22 Jan 2025 00:18		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109005.D	22 Jan 2025 00:37		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109006.D	22 Jan 2025 00:55		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109007.D	22 Jan 2025 01:13		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO109008.D	22 Jan 2025 01:31		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO109009.D	22 Jan 2025 01:50		YP/AJ	Ok
31	PO012125ICV500	ICVPO012125	PO109010.D	22 Jan 2025 02:08		YP/AJ	Ok,M
32	AR1242ICV500	ICVPO012125AR1242	PO109011.D	22 Jan 2025 02:26		YP/AJ	Ok
33	AR1248ICV500	ICVPO012125AR1248	PO109012.D	22 Jan 2025 02:44		YP/AJ	Ok
34	AR1254ICV500	ICVPO012125AR1254	PO109013.D	22 Jan 2025 03:03		YP/AJ	Ok
35	AR1268ICV500	ICVPO012125AR1268	PO109014.D	22 Jan 2025 03:21		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013125

Review By	yogesh	Review On	2/3/2025 9:26:52 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:11:23 PM		
SubDirectory	PO013125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109316.D	31 Jan 2025 08:58		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109317.D	31 Jan 2025 09:16		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO109318.D	31 Jan 2025 09:34		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO109319.D	31 Jan 2025 09:52		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO109320.D	31 Jan 2025 10:11		YP/AJ	Ok
6	I.BLK	I.BLK	PO109321.D	31 Jan 2025 10:29		YP/AJ	Ok
7	Q1233-01	WIPE-1	PO109322.D	31 Jan 2025 10:46	AR1248+AR1254 Hit	YP/AJ	Ok
8	PB166412BL	PB166412BL	PO109323.D	31 Jan 2025 11:35		YP/AJ	Ok
9	PB166412BS	PB166412BS	PO109324.D	31 Jan 2025 11:53		YP/AJ	Ok,M
10	Q1239-01	286	PO109325.D	31 Jan 2025 12:12	AR1260 HIT	YP/AJ	Ok,M
11	Q1239-04	348	PO109326.D	31 Jan 2025 12:30	AR1248 Hit	YP/AJ	Ok
12	Q1239-07	RBR22266	PO109327.D	31 Jan 2025 12:48		YP/AJ	Ok,M
13	Q1239-10	357	PO109328.D	31 Jan 2025 13:07		YP/AJ	Ok
14	Q1243-01	CL-01-01302025	PO109329.D	31 Jan 2025 13:25		YP/AJ	Ok
15	Q1244-01	EO-02-01302025	PO109330.D	31 Jan 2025 13:43		YP/AJ	Ok,M
16	AR1660CCC500	AR1660CCC500	PO109331.D	31 Jan 2025 17:22		YP/AJ	Ok,M
17	AR1242CCC500	AR1242CCC500	PO109332.D	31 Jan 2025 17:39		YP/AJ	Ok
18	AR1248CCC500	AR1248CCC500	PO109333.D	31 Jan 2025 17:58		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013125

Review By	yogesh	Review On	2/3/2025 9:26:52 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:11:23 PM		
SubDirectory	PO013125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1254CCC500	AR1254CCC500	PO109334.D	31 Jan 2025 18:16		YP/AJ	Ok
20	I.BLK	I.BLK	PO109335.D	31 Jan 2025 18:35		YP/AJ	Ok
21	PB166420BL	PB166420BL	PO109336.D	31 Jan 2025 18:53		YP/AJ	Ok
22	PB166420BS	PB166420BS	PO109337.D	31 Jan 2025 19:10		YP/AJ	Ok,M
23	PB166420BSD	PB166420BSD	PO109338.D	31 Jan 2025 19:29		YP/AJ	Ok,M
24	Q1234-01	0124-COMP	PO109339.D	31 Jan 2025 19:47		YP/AJ	Ok
25	Q1234-04	0121	PO109340.D	31 Jan 2025 20:05		YP/AJ	Ok
26	Q1234-05	0128	PO109341.D	31 Jan 2025 20:24	AR1242 Hit	YP/AJ	Ok,M
27	Q1234-06	50605	PO109342.D	31 Jan 2025 20:42		YP/AJ	Ok
28	Q1234-07	50433	PO109343.D	31 Jan 2025 21:01		YP/AJ	Ok
29	AR1660CCC500	AR1660CCC500	PO109344.D	31 Jan 2025 22:43		YP/AJ	Ok,M
30	AR1242CCC500	AR1242CCC500	PO109345.D	31 Jan 2025 23:01		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO109346.D	31 Jan 2025 23:20		YP/AJ	Ok
32	AR1254CCC500	AR1254CCC500	PO109347.D	31 Jan 2025 23:38		YP/AJ	Ok
33	I.BLK	I.BLK	PO109348.D	31 Jan 2025 23:57		YP/AJ	Ok
34	Q1232-03	JPP-46.2-012925	PO109349.D	01 Feb 2025 00:15	Closing CCC fail	YP/AJ	ReRun
35	Q1232-03MS	JPP-46.2-012925MS	PO109350.D	01 Feb 2025 00:33	Closing CCC fail	YP/AJ	ReRun
36	Q1232-03MSD	JPP-46.2-012925MSD	PO109351.D	01 Feb 2025 00:51	Closing CCC fail	YP/AJ	ReRun
37	Q1232-07	JPP-46.1-012925	PO109352.D	01 Feb 2025 01:09	AR1254 Hit, Closing CCC fail	YP/AJ	ReRun

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013125

Review By	yogesh	Review On	2/3/2025 9:26:52 AM		
Supervise By	Ankita	Supervise On	2/3/2025 1:11:23 PM		
SubDirectory	PO013125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1232-11	JPP-42.1-012925	PO109353.D	01 Feb 2025 01:27	AR1254Hit, Closing CCC fail	YP/AJ	ReRun
39	Q1232-15	JPP-42.2-012925	PO109354.D	01 Feb 2025 01:46	Closing CCC fail	YP/AJ	ReRun
40	Q1232-19	JPP-51.1-012925	PO109355.D	01 Feb 2025 02:04	Closing CCC fail	YP/AJ	ReRun
41	Q1235-03	JPP-51.2-012925	PO109356.D	01 Feb 2025 02:23	Closing CCC fail	YP/AJ	ReRun
42	Q1235-07	JPP-16.1-012925	PO109357.D	01 Feb 2025 02:41	Closing CCC fail	YP/AJ	ReRun
43	Q1241-03	JPP-3.5-013025	PO109358.D	01 Feb 2025 03:00	Closing CCC fail	YP/AJ	ReRun
44	Q1241-07	JPP-5.3-013025	PO109359.D	01 Feb 2025 03:18	Closing CCC fail	YP/AJ	ReRun
45	Q1241-11	JPP-5.2-013025	PO109360.D	01 Feb 2025 03:35	Closing CCC fail	YP/AJ	ReRun
46	Q1241-15	JPP-5.4-013025	PO109361.D	01 Feb 2025 03:54	AR1254Hit, Closing CCC fail	YP/AJ	ReRun
47	Q1241-19	JPP-51.4-013025	PO109362.D	01 Feb 2025 04:12	AR1254 Hit, Closing CCC fail	YP/AJ	ReRun
48	Q1242-03	JPP-6.2-013025	PO109363.D	01 Feb 2025 04:30		YP/AJ	ReRun
49	AR1660CCC500	AR1660CCC500	PO109364.D	01 Feb 2025 06:43	CCC fail	YP/AJ	Ok,M
50	I.BLK	I.BLK	PO109365.D	01 Feb 2025 07:01		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020325

Review By	yogesh	Review On	2/5/2025 8:02:58 AM		
Supervise By	Ankita	Supervise On	2/5/2025 8:50:33 AM		
SubDirectory	PO020325	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109366.D	03 Feb 2025 11:25		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109367.D	03 Feb 2025 11:44	need ICAL	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO109368.D	03 Feb 2025 17:40		YP/AJ	Ok
4	I.BLK	I.BLK	PO109369.D	03 Feb 2025 17:58		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO109370.D	03 Feb 2025 18:17		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO109371.D	03 Feb 2025 18:35		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO109372.D	03 Feb 2025 18:53		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO109373.D	03 Feb 2025 19:12		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO109374.D	03 Feb 2025 19:30		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO109375.D	03 Feb 2025 19:49		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO109376.D	03 Feb 2025 20:07		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO109377.D	03 Feb 2025 20:25		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO109378.D	03 Feb 2025 20:44		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO109379.D	03 Feb 2025 21:02		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO109380.D	03 Feb 2025 21:19		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO109381.D	03 Feb 2025 21:38		YP/AJ	Ok,M
17	AR1248ICC1000	AR1248ICC1000	PO109382.D	03 Feb 2025 21:56		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO109383.D	03 Feb 2025 22:14		YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020325

Review By	yogesh	Review On	2/5/2025 8:02:58 AM		
Supervise By	Ankita	Supervise On	2/5/2025 8:50:33 AM		
SubDirectory	PO020325	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC500	AR1248ICC500	PO109384.D	03 Feb 2025 22:32		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO109385.D	03 Feb 2025 22:50		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO109386.D	03 Feb 2025 23:08		YP/AJ	Ok,M
22	AR1254ICC1000	AR1254ICC1000	PO109387.D	03 Feb 2025 23:27		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO109388.D	03 Feb 2025 23:45		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO109389.D	04 Feb 2025 00:03		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO109390.D	04 Feb 2025 00:22		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO109391.D	04 Feb 2025 00:40		YP/AJ	Ok
27	AR1262ICC500	AR1262ICC500	PO109392.D	04 Feb 2025 00:58		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO109393.D	04 Feb 2025 01:17		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO109394.D	04 Feb 2025 01:35		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO109395.D	04 Feb 2025 01:54		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO109396.D	04 Feb 2025 02:12		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO109397.D	04 Feb 2025 02:30		YP/AJ	Ok
33	PO020325ICV500	ICVPO020325	PO109398.D	04 Feb 2025 02:49		YP/AJ	Not Ok
34	AR1242ICV500	ICVPO020325AR1242	PO109399.D	04 Feb 2025 03:07		YP/AJ	Ok
35	AR1248ICV500	ICVPO020325AR1248	PO109400.D	04 Feb 2025 03:25		YP/AJ	Ok
36	AR1254ICV500	ICVPO020325AR1254	PO109401.D	04 Feb 2025 03:44		YP/AJ	Not Ok
37	AR1268ICV500	ICVPO020325AR1268	PO109402.D	04 Feb 2025 04:02		YP/AJ	Ok,M

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020325

Review By	yogesh	Review On	2/5/2025 8:02:58 AM		
Supervise By	Ankita	Supervise On	2/5/2025 8:50:33 AM		
SubDirectory	PO020325	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1254ICV500	ICVPO020325AR1254	PO109403.D	04 Feb 2025 04:57		YP/AJ	Ok,NR
39	PO020325ICV500	ICVPO020325	PO109404.D	04 Feb 2025 08:00		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020425

Review By	yogesh	Review On	2/5/2025 8:21:22 AM		
Supervise By	Ankita	Supervise On	2/5/2025 9:16:47 AM		
SubDirectory	PO020425	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	AR1660CCC500	AR1660CCC500	PO109405.D	04 Feb 2025 08:32		YP/AJ	Ok
2	I.BLK	I.BLK	PO109406.D	04 Feb 2025 08:51		YP/AJ	Ok
3	Q1232-03RE	JPP-46.2-012925RE	PO109407.D	04 Feb 2025 09:09	Closing CCC fail	YP/AJ	Confirms
4	Q1232-03MSRE	JPP-46.2-012925MSRE	PO109408.D	04 Feb 2025 09:27	Closing CCC fail	YP/AJ	Confirms
5	Q1232-03MSDRE	JPP-46.2-012925MSDF	PO109409.D	04 Feb 2025 09:46	Closing CCC fail	YP/AJ	Confirms
6	Q1232-07RE	JPP-46.1-012925RE	PO109410.D	04 Feb 2025 10:04	AR1254 Hit, Closing CCC fail	YP/AJ	Confirms
7	Q1232-11RE	JPP-42.1-012925RE	PO109411.D	04 Feb 2025 10:22	AR1254Hit, Closing CCC fail	YP/AJ	Confirms
8	Q1232-15RE	JPP-42.2-012925RE	PO109412.D	04 Feb 2025 10:40	Closing CCC fail	YP/AJ	Confirms
9	Q1232-19RE	JPP-51.1-012925RE	PO109413.D	04 Feb 2025 10:59	Closing CCC fail	YP/AJ	Confirms
10	Q1235-03RE	JPP-51.2-012925RE	PO109414.D	04 Feb 2025 11:17	Closing CCC fail	YP/AJ	Confirms
11	Q1235-07RE	JPP-16.1-012925RE	PO109415.D	04 Feb 2025 11:35	Closing CCC fail	YP/AJ	Confirms
12	Q1241-03RE	JPP-3.5-013025RE	PO109416.D	04 Feb 2025 11:54	Closing CCC fail	YP/AJ	Confirms
13	Q1241-07RE	JPP-5.3-013025RE	PO109417.D	04 Feb 2025 12:12	Closing CCC fail	YP/AJ	Confirms
14	Q1241-11RE	JPP-5.2-013025RE	PO109418.D	04 Feb 2025 12:31	Closing CCC fail	YP/AJ	Confirms
15	Q1241-15RE	JPP-5.4-013025RE	PO109419.D	04 Feb 2025 12:49	AR1254 Hit, Closing CCC fail	YP/AJ	Confirms
16	Q1241-19RE	JPP-51.4-013025RE	PO109420.D	04 Feb 2025 13:07	AR1254 Hit, Closing CCC fail	YP/AJ	Confirms
17	Q1242-03RE	JPP-6.2-013025RE	PO109421.D	04 Feb 2025 13:25	Closing CCC fail	YP/AJ	Confirms
18	AR1660CCC500	AR1660CCC500	PO109422.D	04 Feb 2025 13:58	Closing CCC fail	YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO020425

Review By	yogesh	Review On	2/5/2025 8:21:22 AM		
Supervise By	Ankita	Supervise On	2/5/2025 9:16:47 AM		
SubDirectory	PO020425	HP Acquire Method		HP Processing Method	PO020325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PO109423.D	04 Feb 2025 14:16		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1236-01	WASTE	17	1.14	8.55	9.69	8.12	81.6	
Q1236-02	VOC	18	1.13	8.71	9.84	8.3	82.3	
Q1236-03	1	19	1.17	8.50	9.67	8.2	82.7	
Q1236-04	2	20	1.17	8.60	9.77	8.2	81.7	
Q1236-05	3	21	1.15	8.84	9.99	8.35	81.4	
Q1236-06	4	22	1.16	8.53	9.69	8.24	83.0	
Q1236-07	5	23	1.15	8.82	9.97	8.48	83.1	
Q1241-01	JPP-3.5-013025	1	1.15	8.58	9.73	8.41	84.6	
Q1241-03	JPP-3.5-013025	2	1.12	8.76	9.88	8.3	82.0	
Q1241-05	JPP-5.3-013025	3	1.15	8.43	9.58	8.68	89.3	
Q1241-07	JPP-5.3-013025	4	1.11	8.77	9.88	8.81	87.8	
Q1241-09	JPP-5.2-013025	5	1.15	8.59	9.74	8.65	87.3	
Q1241-11	JPP-5.2-013025	6	1.12	8.41	9.53	8.58	88.7	
Q1241-13	JPP-5.4-013025	7	1.16	8.66	9.82	8.69	87.0	
Q1241-15	JPP-5.4-013025	8	1.18	8.45	9.63	8.5	86.6	
Q1241-17	JPP-51.4-013025	9	1.14	8.55	9.69	9.12	93.3	
Q1241-19	JPP-51.4-013025	10	1.16	8.51	9.67	9.09	93.2	
Q1242-01	JPP-6.2-013025	11	1.15	8.80	9.95	8.32	81.5	
Q1242-03	JPP-6.2-013025	12	1.13	8.60	9.73	8.11	81.2	
Q1243-01	CL-01-01302025	13	1.16	8.40	9.56	9.12	94.8	
Q1243-02	CL-01-01302025-E2	14	1.13	8.70	9.83	9.36	94.6	
Q1244-01	EO-02-01302025	15	1.18	8.71	9.89	9.36	93.9	
Q1244-02	EO-02-01302025-E2	16	1.12	8.80	9.92	9.42	94.3	
Q1254-01	OK-02-01312025	24	1.16	8.40	9.56	8.48	87.1	
Q1254-02	OK-02-01312025-E2	25	1.15	8.83	9.98	9.6	95.7	
Q1257-01	013025	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1258-01	112224A	43	1.00	1.00	2.00	2.00	100.0	debris
Q1259-01	12825	44	1.14	8.70	9.84	8.7	86.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1260-01	12925-A	45	1.00	1.00	2.00	2.00	100.0	debris
Q1260-02	12925-BC	46	1.16	8.42	9.58	9.2	95.5	
Q1261-01	CHRT-20430	47	1.14	8.43	9.57	5.86	56.0	
Q1261-02	CHRT-20430-E2	48	1.12	8.77	9.89	5.93	54.8	
Q1262-01	ETGI-371	49	1.15	8.70	9.85	8.64	86.1	
Q1262-02	ETGI-371-E2	50	1.16	8.82	9.98	8.78	86.4	
Q1262-03	CONCRETE-PAD	51	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-04	CONCRETE-PAD-E2	52	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-05	3762	53	1.00	1.00	2.00	2.00	100.0	debris
Q1263-01	KMA9027-1-1	54	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-02	KMA9027-1-2	55	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-03	BC274653-1-1	56	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-04	BC274653-1-2	57	1.00	1.00	2.00	2.00	100.0	pilc
Q1264-01	AUD-1606	26	1.18	8.62	9.8	9.63	98.0	
Q1264-02	AUD-25-0008	27	1.11	8.71	9.82	7.77	76.5	
Q1265-01	AUD-25-0006	28	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-01	TRE-25-0003	29	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-02	TRE-25-0009	30	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-03	TRE-25-0011	31	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1268-05	SVOC-GPC-BLANK	32	1.00	1.00	2.00	2.00	100.0	
Q1268-06	PEST-GPC-BLANK	33	1.00	1.00	2.00	2.00	100.0	
Q1268-07	PEST-GPC-BLANK-SPIKE	34	1.00	1.00	2.00	2.00	100.0	
Q1268-08	PCB-GPC-BLANK	35	1.00	1.00	2.00	2.00	100.0	
Q1268-09	PCB-GPC-BLANK-SPIKE	36	1.00	1.00	2.00	2.00	100.0	
Q1268-10	SVOC-GPC2-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q1268-11	PEST-GPC2-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q1268-12	PEST-GPC2-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q1268-13	PCB-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1268-14	PCB-GPC2-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1269-01	VNJ-231	58	1.17	8.81	9.98	9.00	88.9	
Q1269-02	VNJ-231-E2	59	1.12	8.86	9.98	9.1	90.1	
Q1270-01	BC247799-1-1	60	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-02	BC247799-1-2	61	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-03	BC274768-1-1	62	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-04	BC274768-1-2	63	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-05	BC274768-2-1	64	1.00	1.00	2.00	2.00	100.0	pilc
Q1270-06	BC274768-2-2	65	1.00	1.00	2.00	2.00	100.0	pilc
Q1271-01	RBR200030	66	1.12	8.74	9.86	8.87	88.7	
Q1271-02	RBR200030-E2	67	1.17	8.53	9.7	9.02	92.0	
Q1271-03	3189-3196	68	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

R134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1236-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-01	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-03	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-05	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-07	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-09	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-11	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-13	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-15	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-17	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-19	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-01	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-03	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-01	CL-01-01302025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-02	CL-01-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD (JC)

Raw Sample Relinquished by: RJ (CEAT-Lab)

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ (CEAT-Lab)

Raw Sample Relinquished by: JD (JC)

WORKLIST(Hardcopy Internal Chain)

134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1244-01	EO-02-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1244-02	EO-02-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1254-01	OK-02-01312025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1254-02	OK-02-01312025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1257-01	013025	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1258-01	112224A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1259-01	12825	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-01	12925-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-02	12925-BC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1261-01	CHRT-20430	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1261-02	CHRT-20430-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-01	ETGI-371	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-02	ETGI-371-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-03	CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-04	CONCRETE-PAD-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-05	3762	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1263-01	KMA9027-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1263-02	KMA9027-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-03	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-04	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1264-01	AUD-1606	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: SD CEDC

Raw Sample Relinquished by: RJ CEDC-Cab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CEDC-Cab

Raw Sample Relinquished by: SD CEDC

WORKLIST(Hardcopy Internal Chain)

VB134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1264-02	AUD-25-0008	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1265-01	AUD-25-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-01	TRE-25-0003	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-02	TRE-25-0009	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-03	TRE-25-0011	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1268-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-02	VNJ-231-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-01	BC247799-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-02	BC247799-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-03	BC274768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-04	BC274768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JA (WOC)

Raw Sample Relinquished by: RJ (TEKLab)

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ (TEKLab)

Raw Sample Relinquished by: JA (WOC)

WORKLIST(Hardcopy Internal Chain)

IR-134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1270-05	BC274768-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-06	BC274768-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-01	RBR200030	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-02	RBR200030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO
Q1271-03	3189-3196	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD WDC

Raw Sample Relinquished by: RJ CEXT-lab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CEXT-lab

Raw Sample Relinquished by: JD WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166412

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	01/31/2025
Matrix :	Solid			**Extraction Start Time :**	08:15
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	01/31/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PPO24093
Surrogate	1.0ML	200 PPB	PP24123
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2579
Baked Na2SO4	N/A	EP2580
Sand	N/A	E2865
Hexane	N/A	E3872
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25	RP (for lab)	Y.P.Pest)PCB.
11:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166412

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 01/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166412BL	ABLK412	PCB	30.01	N/A	ritesh	Evelyn	10			U7-
PB166412BS	ALCS412	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q1232-03	JPP-46.2-012925	PCB	30.05	N/A	ritesh	Evelyn	10	C		3
Q1232-03MS	JPP-46.2-012925MS	PCB	30.06	N/A	ritesh	Evelyn	10	C		4
Q1232-03MSD	JPP-46.2-012925MSD	PCB	30.05	N/A	ritesh	Evelyn	10	C		5
Q1232-07	JPP-46.1-012925	PCB	30.02	N/A	ritesh	Evelyn	10	C		6
Q1232-11	JPP-42.1-012925	PCB	30.08	N/A	ritesh	Evelyn	10	C		U6-1
Q1232-15	JPP-42.2-012925	PCB	30.06	N/A	ritesh	Evelyn	10	C		2
Q1232-19	JPP-51.1-012925	PCB	30.04	N/A	ritesh	Evelyn	10	C		3
Q1235-03	JPP-51.2-012925	PCB	30.01	N/A	ritesh	Evelyn	10	C		4
Q1235-07	JPP-16.1-012925	PCB	30.02	N/A	ritesh	Evelyn	10	C		5
Q1239-01	286	PCB	30.08	N/A	ritesh	Evelyn	10	C		6
Q1239-04	348	PCB	30.09	N/A	ritesh	Evelyn	10	C		U5-1
Q1239-07	RBR22266	PCB	30.05	N/A	ritesh	Evelyn	10	C		2
Q1239-10	357	PCB	30.02	N/A	ritesh	Evelyn	10	C		3
Q1241-03	JPP-3.5-013025	PCB	30.03	N/A	ritesh	Evelyn	10	C		4
Q1241-07	JPP-5.3-013025	PCB	30.07	N/A	ritesh	Evelyn	10	C		5
Q1241-11	JPP-5.2-013025	PCB	30.04	N/A	ritesh	Evelyn	10	C		6
Q1241-15	JPP-5.4-013025	PCB	30.06	N/A	ritesh	Evelyn	10	C		U4-1
Q1241-19	JPP-51.4-013025	PCB	30.02	N/A	ritesh	Evelyn	10	C		2
Q1242-03	JPP-6.2-013025	PCB	30.01	N/A	ritesh	Evelyn	10	C		3
Q1243-01	CL-01-01302025	PCB	30.05	N/A	ritesh	Evelyn	10	C		4
Q1244-01	EO-02-01302025	PCB	30.03	N/A	ritesh	Evelyn	10	C		5

* **Extracts relinquished on the same date as received.**

1/31/25

8:15
166472

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1232 **WorkList ID :** 187329 **Department :** Extraction **Date :** 01-31-2025 08:09:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1232-03	JPP-46.2-012925	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/29/2025	8082A
Q1232-07	JPP-46.1-012925	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/29/2025	8082A
Q1232-11	JPP-42.1-012925	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/29/2025	8082A
Q1232-15	JPP-42.2-012925	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/29/2025	8082A
Q1232-19	JPP-51.1-012925	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/29/2025	8082A
Q1235-03	JPP-51.2-012925	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/29/2025	8082A
Q1235-07	JPP-16.1-012925	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/29/2025	8082A
Q1239-01	286	Solid	PCB	Cool 4 deg C	PSEG03	N31	01/30/2025	8082A
Q1239-04	348	Solid	PCB	Cool 4 deg C	PSEG03	N31	01/30/2025	8082A
Q1239-07	RBR22266	Solid	PCB	Cool 4 deg C	PSEG03	N31	01/30/2025	8082A
Q1239-10	357	Solid	PCB	Cool 4 deg C	PSEG03	N31	01/30/2025	8082A
Q1241-03	JPP-3.5-013025	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/30/2025	8082A
Q1241-07	JPP-5.3-013025	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/30/2025	8082A
Q1241-11	JPP-5.2-013025	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/30/2025	8082A
Q1241-15	JPP-5.4-013025	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/30/2025	8082A
Q1241-19	JPP-51.4-013025	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/30/2025	8082A
Q1242-03	JPP-6.2-013025	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/30/2025	8082A
Q1243-01	CL-01-01302025	Solid	PCB	Cool 4 deg C	PSEG05	N41	01/30/2025	8082A
Q1244-01	EO-02-01302025	Solid	PCB	Cool 4 deg C	PSEG05	N51	01/30/2025	8082A

Date/Time 01/31/25 8:10
Raw Sample Received by: RJ (Set Lab)
Raw Sample Relinquished by: CR Sm

Date/Time 01/31/25 8:35
Raw Sample Received by: CR Sm
Raw Sample Relinquished by: RJ (Set Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1242

Test : PCB

Prepbatch ID : PB166412,

Sequence ID/Qc Batch ID: PO013125,PO020425,

Standard ID :

EP2565,EP2579,EP2580,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24123,PPO24093,

Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3846,E3847,E3872,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13350,P13353,P13372,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2579	01/06/2025	06/16/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3847 = Final Quantity: 8000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP23736	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP23738	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP23740	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
222	AR1221 500 PPB STD	PP23742	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1081	AR1221 50 PPB STD	PP23744	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
214	AR1232 1000 PPB WORKING SOLUTION	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP23747	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP23749	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP23751	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
224	AR1242 500 PPB STD	PP23753	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1069	AR1242 50 PPB STD	PP23755	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
216	AR1248 1000 PPB WORKING STD	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP23757	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP23759	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP23761	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
226	AR1254 500 PPB STD	PP23763	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1073	AR1254 50 PPB STD	PP23765	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1529	AR1262 1000 PPB Working Solution	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP23767	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP23769	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP23771	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1533	AR1268 500 PPB STD	PP23773	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3822	AR1268 50 PPB STD	PP23775	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
405	AR1660 1000/100 PPB ICV STD	PP23777	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23779	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3790	AR1221 500 PPB ICV(AGILENT)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23781	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP23783	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1894	AR1254 500 PPB ICV	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP23789	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23946	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP23947	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 0.50000ml of E3825 + 0.50000ml of PP23946 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani 01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

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	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

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)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

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	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

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	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	05/07/2025	11/07/2024 / Ankita	02/21/2022 / Ankita	P11521

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	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

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	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

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	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

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	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

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 #
Absolute Standards,Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 1/29/25

E3872

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

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

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0163157

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 : November 30, 2026 **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 1016	1,007.0 µg/mL	+/- 5.8683	µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.9082	µg/mL	Unstressed
	Purity ----%		+/- 41.6868	µg/mL	Stressed
2	Aroclor 1260	1,008.0 µg/mL	+/- 5.8741	µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.9399	µg/mL	Unstressed
	Purity ----%		+/- 41.7282	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10476
&
P10480

AR
02/19/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

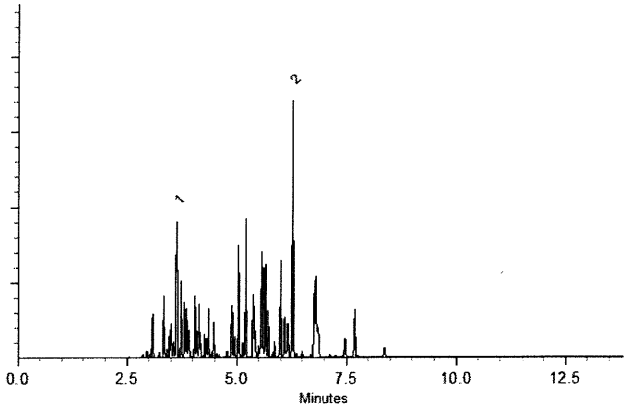
Carrier Gas:
helium-constant pressure 20 psi.

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.

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0167722

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 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 1262	1,004.0 µg/mL	+/- 5.9635	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340	µg/mL	Unstressed
	Purity ----%		+/- 41.5787	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10496
J
P10500

AJ
09/19/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

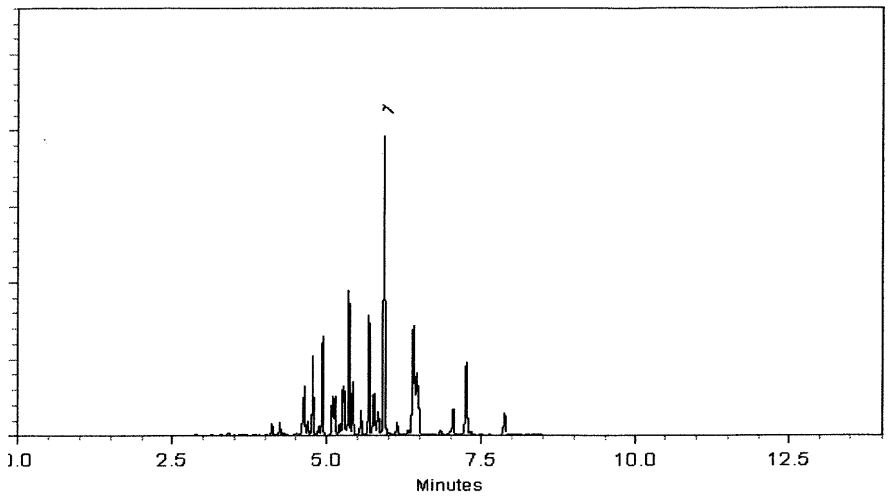
Carrier Gas:
helium-constant pressure 20 psi.

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.

Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11533 + P11537

AJ 02/21/22

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

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1248 Standard	**Lot Number:**	0006626997
Product Number:	PP-342-1	**Lot Issue Date:**	17-Aug-2021
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2025

	CERTIFIED VALUES				
Component Name	Concentration		Expanded 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 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.

P11508 ↓ P11512 AJ 12/21/22

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

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

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ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0175456

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 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 1221	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11578 ↓ P 11582 (S)

AR 04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

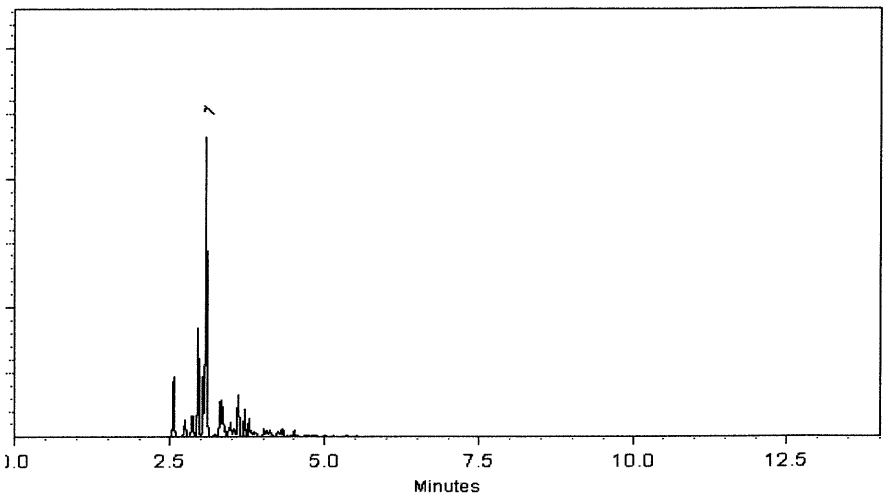
Carrier Gas:
helium-constant pressure 20 psi.

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.

Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11578 ↓ P11582 (5)

AR 04/30/22

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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. : 32008 **Lot No.:** A0173309

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 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 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL	Unstressed
	Purity ----%		+/- 41.4544 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11583 ↓ P11597 (S)

AR 04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

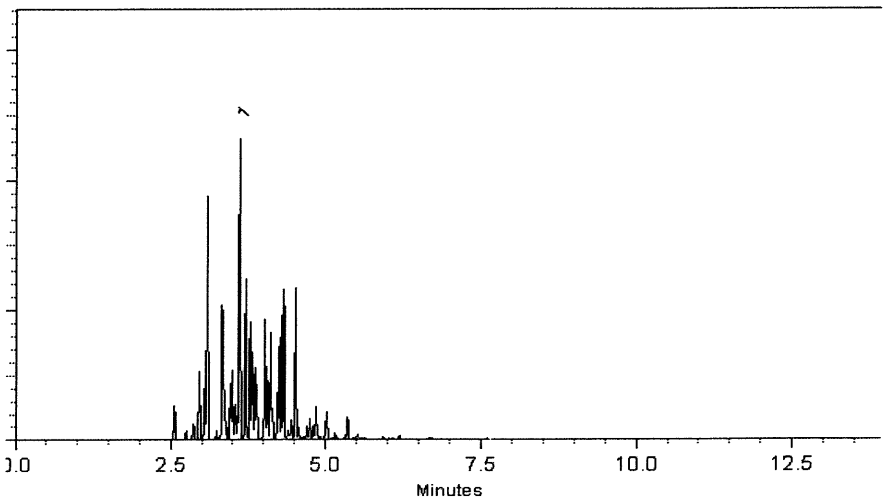
Carrier Gas:
helium-constant pressure 20 psi.

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.

Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021 **Balance:** B442140311

Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11583 ↓ P11587 | (5)

AR 04/30/22

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0175403

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1254	1,000.7 µg/mL	+/- 5.9437 µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL	Unstressed
	Purity ----%		+/- 41.4406 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588 ↓ P11592 | 5

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

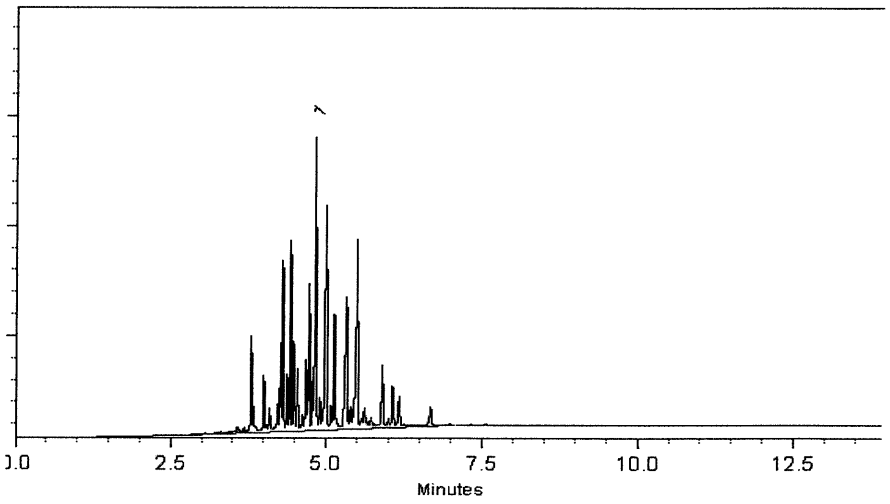
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P11588 | (5)
1
P11592

AR
04/30/22

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0181782

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **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 1268	1,001.4 µg/mL	+/- 5.9480	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 10947000)		+/- 31.7516	µg/mL	Unstressed
	Purity ----%		+/- 41.4710	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11593 (5)
↓
P 11597

AR 04/30/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

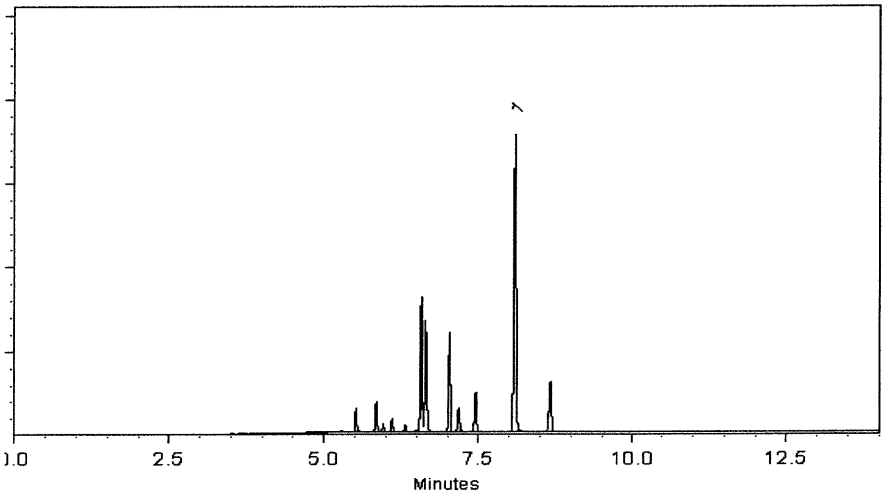
Carrier Gas:
helium-constant pressure 20 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022 **Balance:** 1128360905

Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 11593 (5)
↓
P 11597
04/30/2022

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Certified Refere

CERTIFIED WEIGHT REPORT

Part Number:	91867
Lot Number:	020823
Description:	WP 037 - Aroclor 1232 PCB Technical Mixture
Expiration Date:	020833
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	100
NIST Test ID#:	6UTB

Solvent(
Aceton

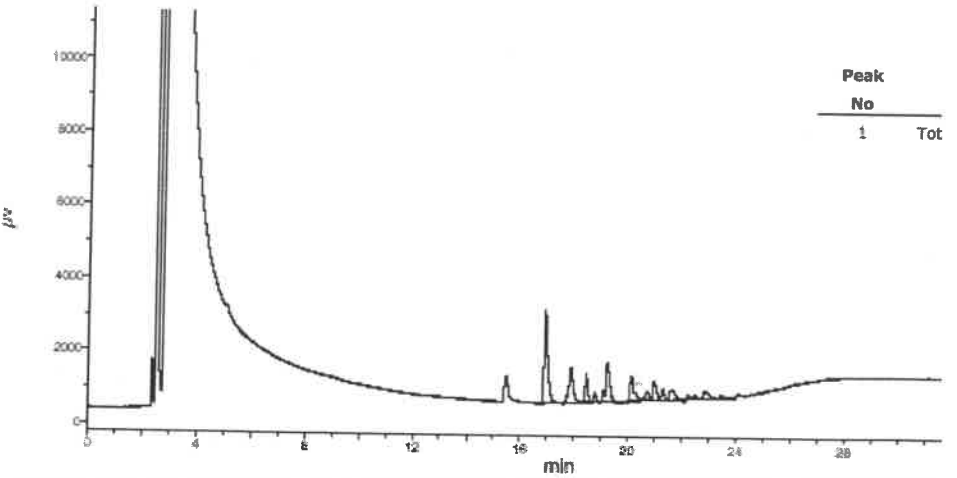
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0203672

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

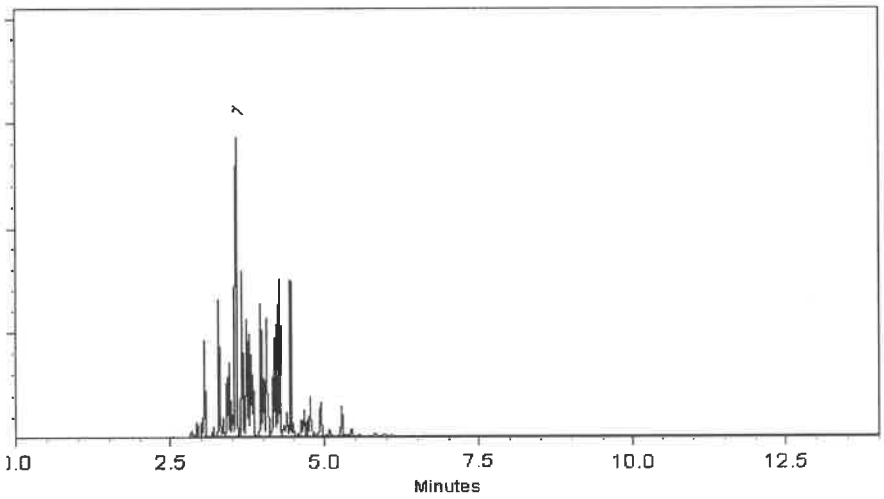
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12933 ↓ P12937 AJ 12/07/23

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	----%	1,001.7 µg/mL	+/- 55.5850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

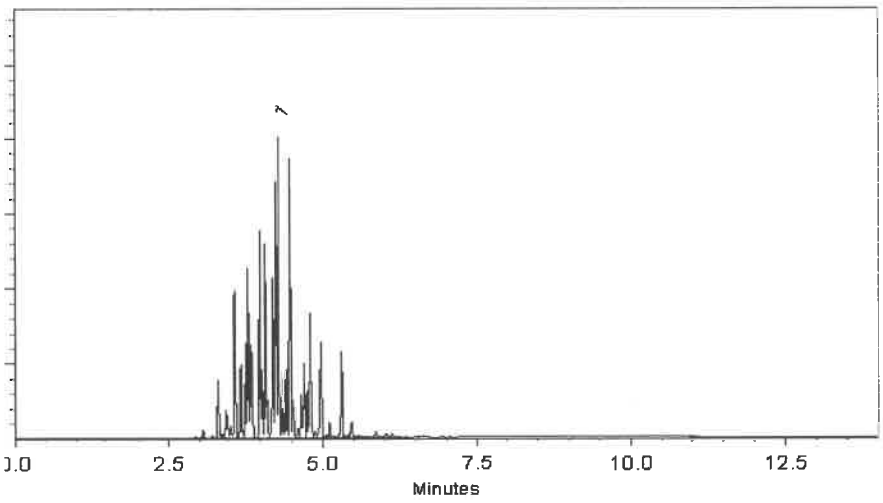
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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):	Lot#
Hexane	273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

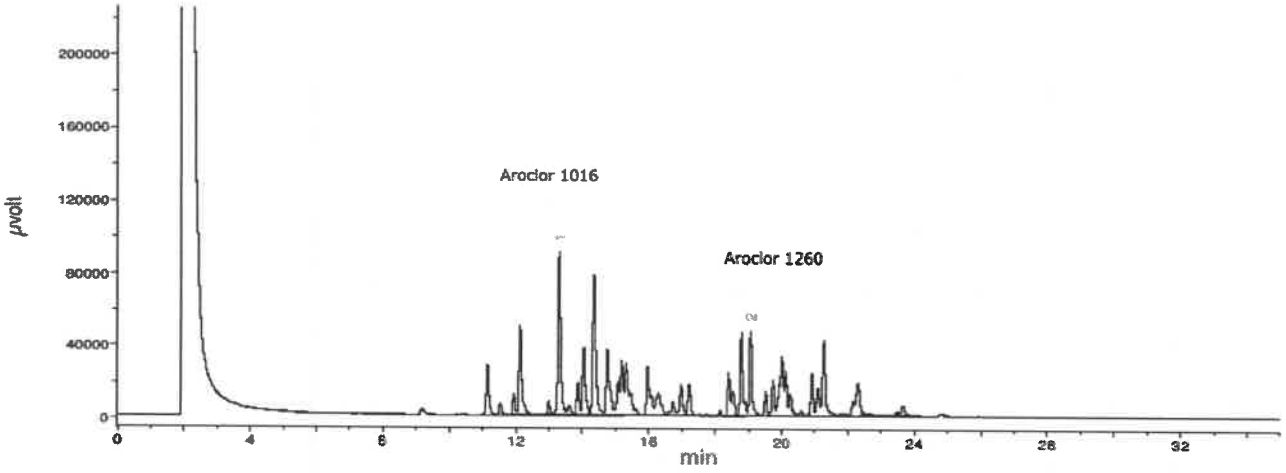
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

		121823
Formulated By:	Anthony Mahoney	DATE
		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 & P12957 Y.P. 12/20/23

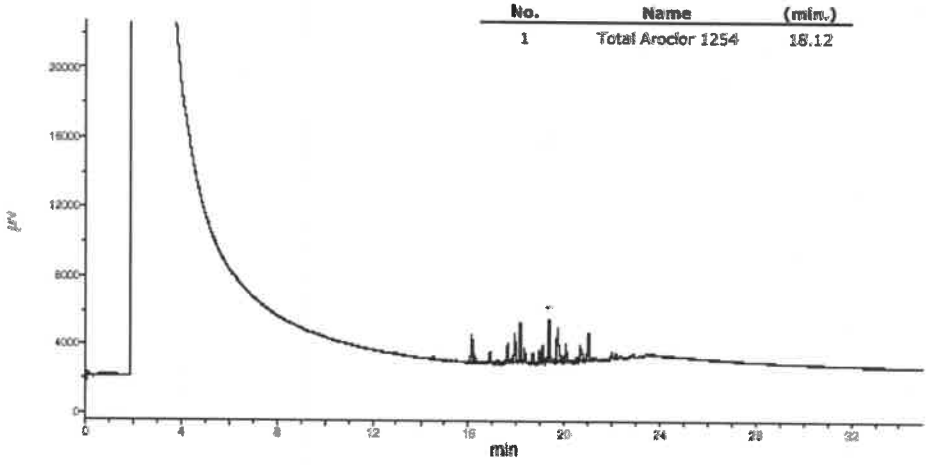
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Aroclor 1262

Solvent(s): Hexane **Lot#** 273615

Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.005 Flask Uncertainty

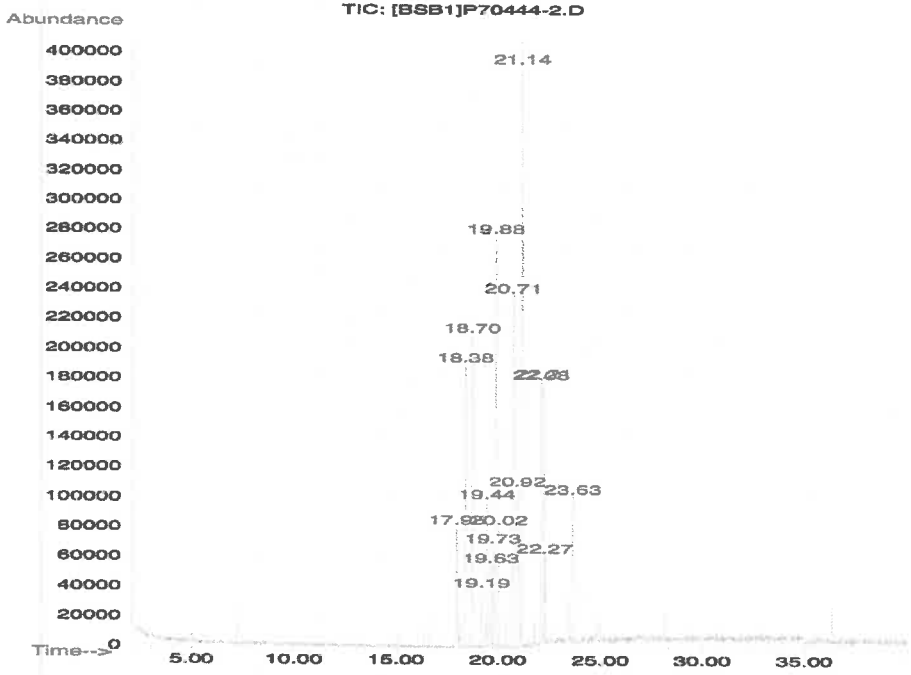
5E-05 Balance Uncertainty

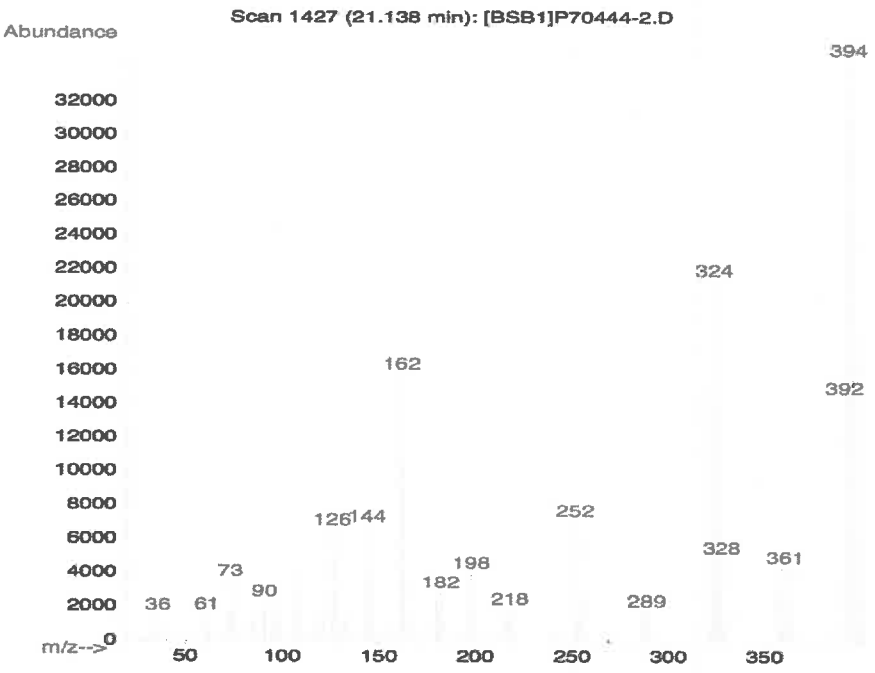
Formulated By:	Prashant Chauhan	112322 DATE
Reviewed By:	Pedro L. Rentas	112322 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	orl-rat 11300mg/kg

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.

P13032 2 P13033 Y.P. 12/21/23





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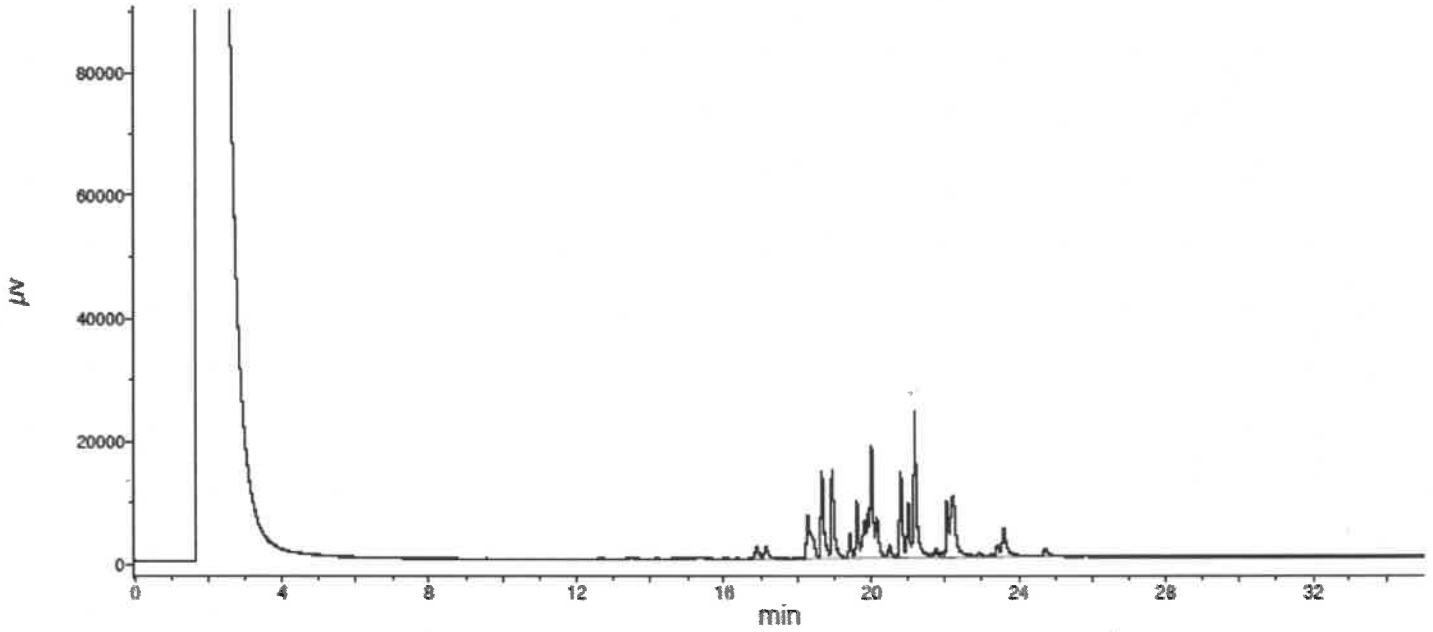
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P13348 ↓ P13357 (10)

04/25/2024

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

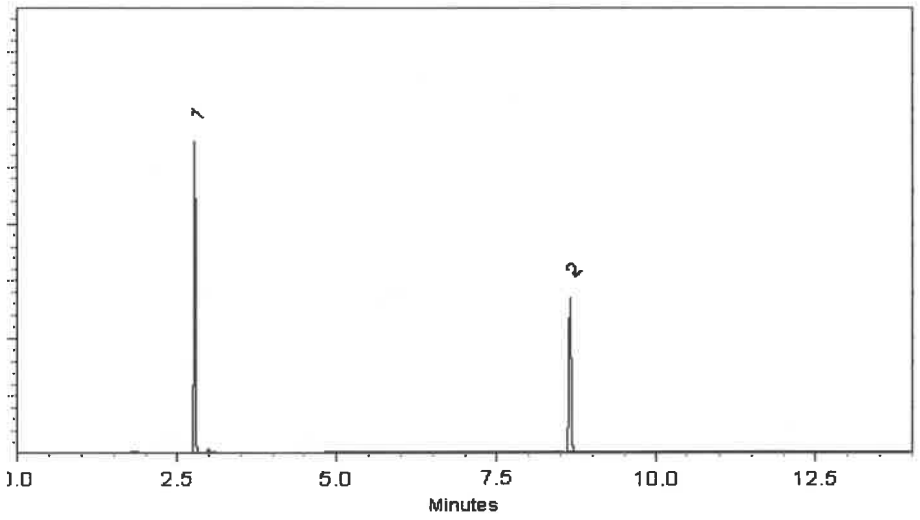
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 ↓ P13357 (10)

04/25/2024

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

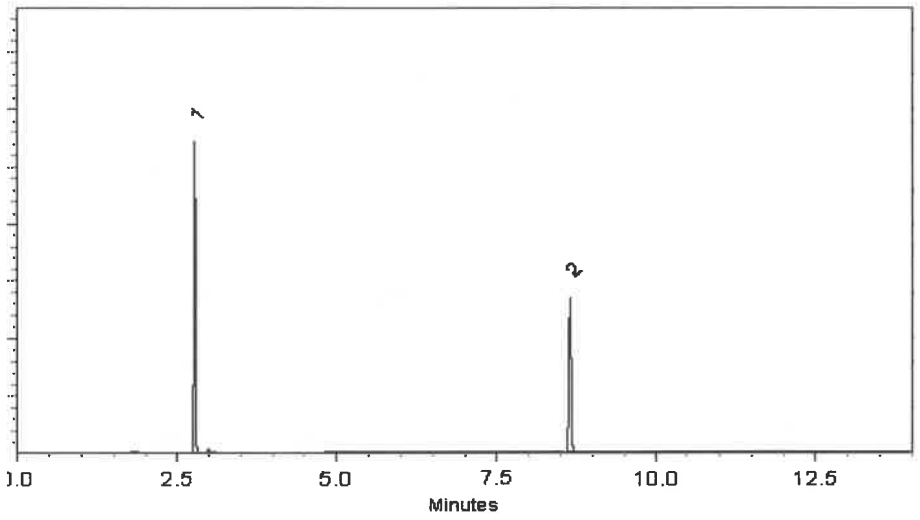
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)

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P13357

04/25/2025

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Mar-2032

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3	±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
↓
P133f3

AJ
05106124

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Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois

QMS Representative

ANAB ANSI National Accreditation Board ACCREDITED REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1242
QUOTE NO.
COC Number 2041688

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY ZIP:
ATTENTION: Rutu Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR B/MCR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Rutu Manani
e-mail: Rmanani@Ru2eng.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as Company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOC + TICs MtBE/TBA
2 TCLP VOCs
3 TPH GRO-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides, PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	JPP-6.2-013025	Soil		G	1/30/25	12:44	3	X	X	X							
2.	JPP-6.2-93025	Soil	C		1/30/25	12:52	8			X	X	X	X	X	X	X	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1453 1-30-25	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1 °C
Comments: Preserve extra Sample Jar if additional analysis is Required
IR-Gun #1

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1242 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 3:02:00 PM
Project Name : NYCDDC SANTWOBR Bi
Receive DateTime : 1/30/2025 2:53:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1242-01	JPP-6.2-013025	Solid	01/30/2025	12:44					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 1-30-25 15:50

Received By : [signature]
Date / Time : 1/30/25 1530

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

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LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1242-01	JPP-6.2-013025	Solid	01/30/2025	12:44	Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By : CR
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1550

Storage Area : VOA Refridgerator Room