

Cover Page

Order ID : Q1206

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number

Q1206-01
Q1206-02
Q1206-03
Q1206-04
Q1206-05
Q1206-06
Q1206-07
Q1206-08

Client Sample Number

JPP-20.1-012725
JPP-20.1-012725
JPP-20.1-012725
JPP-20.1-012725
JPP-16.3-012725
JPP-16.3-012725
JPP-16.3-012725
JPP-16.3-012725

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: 2/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

RU2 Engineering, LLC

Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Project # N/A

Chemtech Project # Q1206

Test Name: PCB

A. Number of Samples and Date of Receipt:

8 Solid samples were received on 01/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID PO109254.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.



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E. Additional Comments:

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

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1206

MATRIX: Solid

METHOD: 8082A/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
The Initial Calibration met the requirements .			
The Continuous Calibration File ID PO109254.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.			
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS recoveries met the requirements for all compounds .			
The MSD recoveries met the acceptable requirements .			
The Blank Spike met requirements for all samples .			
The RPD met criteria .			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			
8. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1206

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/01/2025

LAB CHRONICLE

OrderID: Q1206	OrderDate: 1/28/2025 11:18:51 AM
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
Q1206-01	JPP-20.1-012725	SOIL	Diesel Range Organics	8015D	01/27/25	01/29/25	01/30/25	01/28/25
			Gasoline Range Organics	8015D				
Q1206-03	JPP-20.1-012725	SOIL	PCB	8082A	01/27/25	01/29/25	01/29/25	01/28/25
Q1206-05	JPP-16.3-012725	SOIL	Diesel Range Organics	8015D	01/27/25	01/29/25	01/30/25	01/28/25
			Gasoline Range Organics	8015D				
Q1206-07	JPP-16.3-012725	SOIL	PCB	8082A	01/27/25	01/29/25	01/29/25	01/28/25

Hit Summary Sheet
SW-846

SDG No.: Q1206

Order ID: Q1206

Client: RU2 Engineering, LLC

Project ID: NYCDDC SANTWOBR Brooklyn Bri

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-16.3-012725								
Q1206-07	JPP-16.3-012725	SOIL	Aroclor-1254	43.8	3.20		20.1	ug/kg
Q1206-07	JPP-16.3-012725	SOIL	Aroclor-1260	30.0	3.40		20.1	ug/kg
Total Concentration:				73.800				



QC SUMMARY

Surrogate Summary

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	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-PO109228.D	PIBLK-PO109228.D	Tetrachloro-m-xylene	1	20	25.2	126		60	140
		Decachlorobiphenyl	1	20	25.4	127		60	140
		Tetrachloro-m-xylene	2	20	24.3	121		60	140
		Decachlorobiphenyl	2	20	24.0	120		60	140
PB166333BL	PB166333BL	Tetrachloro-m-xylene	1	20	25.2	126		32	144
		Decachlorobiphenyl	1	20	25.1	125		32	175
		Tetrachloro-m-xylene	2	20	24.1	120		32	144
		Decachlorobiphenyl	2	20	24.9	124		32	175
PB166333BS	PB166333BS	Tetrachloro-m-xylene	1	20	23.9	120		32	144
		Decachlorobiphenyl	1	20	25.7	129		32	175
		Tetrachloro-m-xylene	2	20	23.1	116		32	144
		Decachlorobiphenyl	2	20	24.0	120		32	175
I.BLK-PO109243.D	PIBLK-PO109243.D	Tetrachloro-m-xylene	1	20	24.6	123		60	140
		Decachlorobiphenyl	1	20	25.3	126		60	140
		Tetrachloro-m-xylene	2	20	23.7	118		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
Q1205-01MS	VNJ-236MS	Tetrachloro-m-xylene	1	20	19.5	98		32	144
		Decachlorobiphenyl	1	20	16.1	80		32	175
		Tetrachloro-m-xylene	2	20	18.9	94		32	144
		Decachlorobiphenyl	2	20	15.7	79		32	175
Q1205-01MSD	VNJ-236MSD	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	15.4	77		32	175
		Tetrachloro-m-xylene	2	20	18.5	92		32	144
		Decachlorobiphenyl	2	20	15.5	77		32	175
Q1206-03	JPP-20.1-012725	Tetrachloro-m-xylene	1	20	21.8	109		32	144
		Decachlorobiphenyl	1	20	15.8	79		32	175
		Tetrachloro-m-xylene	2	20	21.8	109		32	144
		Decachlorobiphenyl	2	20	15.9	79		32	175
Q1206-07	JPP-16.3-012725	Tetrachloro-m-xylene	1	20	21.1	106		32	144
		Decachlorobiphenyl	1	20	14.3	72		32	175
		Tetrachloro-m-xylene	2	20	21.5	108		32	144
		Decachlorobiphenyl	2	20	14.4	72		32	175
I.BLK-PO109258.D	PIBLK-PO109258.D	Tetrachloro-m-xylene	1	20	23.4	117		60	140
		Decachlorobiphenyl	1	20	18.9	94		60	140
		Tetrachloro-m-xylene	2	20	23.9	119		60	140
		Decachlorobiphenyl	2	20	20.6	103		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8082A

DataFile : PO109245.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	RPD
			Result	Result			Qual	RPD	Qual	Low	High	
Client Sample ID: Q1205-01MS	VNJ-236MS											
	AR1016	190.8	0	182	ug/kg	95				55	146	
	AR1260	190.8	32.6	177	ug/kg	76				45	144	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8082A

DataFile : PO109246.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: Q1205-01MSD	VNJ-236MSD											
	AR1016	190.6	0	178	ug/kg	93		2		55	146	20
	AR1260	190.6	32.6	174	ug/kg	74		3		45	144	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: **8082A** **Datafile :** PO109238.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166333BS	AR1016	166.5	169	ug/kg	102				71	120	
	AR1260	166.5	159	ug/kg	95				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166333BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206

SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: PB166333BL

Lab File ID: PO109237.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/29/2025

Date Analyzed (1): 01/29/2025

Date Analyzed (2): 01/29/2025

Time Analyzed (1): 15:45

Time Analyzed (2): 15:45

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
PB166333BS	PB166333BS	PO109238.D	01/29/2025	01/29/2025
VNJ-236MS	Q1205-01MS	PO109245.D	01/29/2025	01/29/2025
VNJ-236MSD	Q1205-01MSD	PO109246.D	01/29/2025	01/29/2025
JPP-20.1-012725	Q1206-03	PO109247.D	01/29/2025	01/29/2025
JPP-16.3-012725	Q1206-07	PO109248.D	01/29/2025	01/29/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	85.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109247.D	1	01/29/25 08:55	01/29/25 19:13	PB166333

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	19.9	U	4.00	19.9	ug/kg
11104-28-2	Aroclor-1221	19.9	U	7.50	19.9	ug/kg
11141-16-5	Aroclor-1232	19.9	U	4.00	19.9	ug/kg
53469-21-9	Aroclor-1242	19.9	U	4.00	19.9	ug/kg
12672-29-6	Aroclor-1248	19.9	U	9.20	19.9	ug/kg
11097-69-1	Aroclor-1254	19.9	U	3.20	19.9	ug/kg
37324-23-5	Aroclor-1262	19.9	U	5.30	19.9	ug/kg
11100-14-4	Aroclor-1268	19.9	U	4.00	19.9	ug/kg
11096-82-5	Aroclor-1260	19.9	U	3.40	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.9		32 - 175	79%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
 Data File : PO109247.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 19:13
 Operator : YP/AJ
 Sample : Q1206-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 JPP-20.1-012725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 30 04:03:38 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	165.0E6	116.6E6	21.834m	21.753
2) SA Decachlor...	8.762	8.712	109.2E6	54631228	15.756	15.887

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 19:13
Operator : YP/AJ
Sample : Q1206-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

JPP-20.1-012725

Manual Integrations

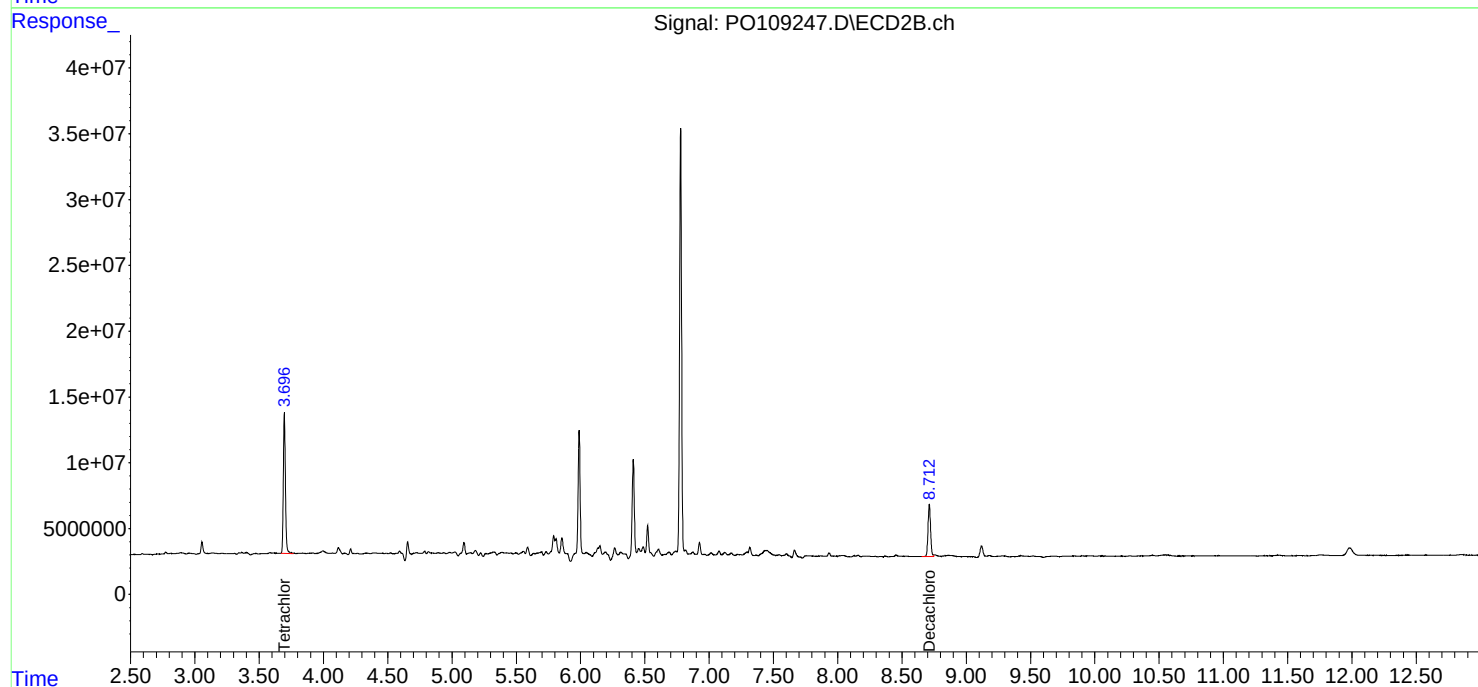
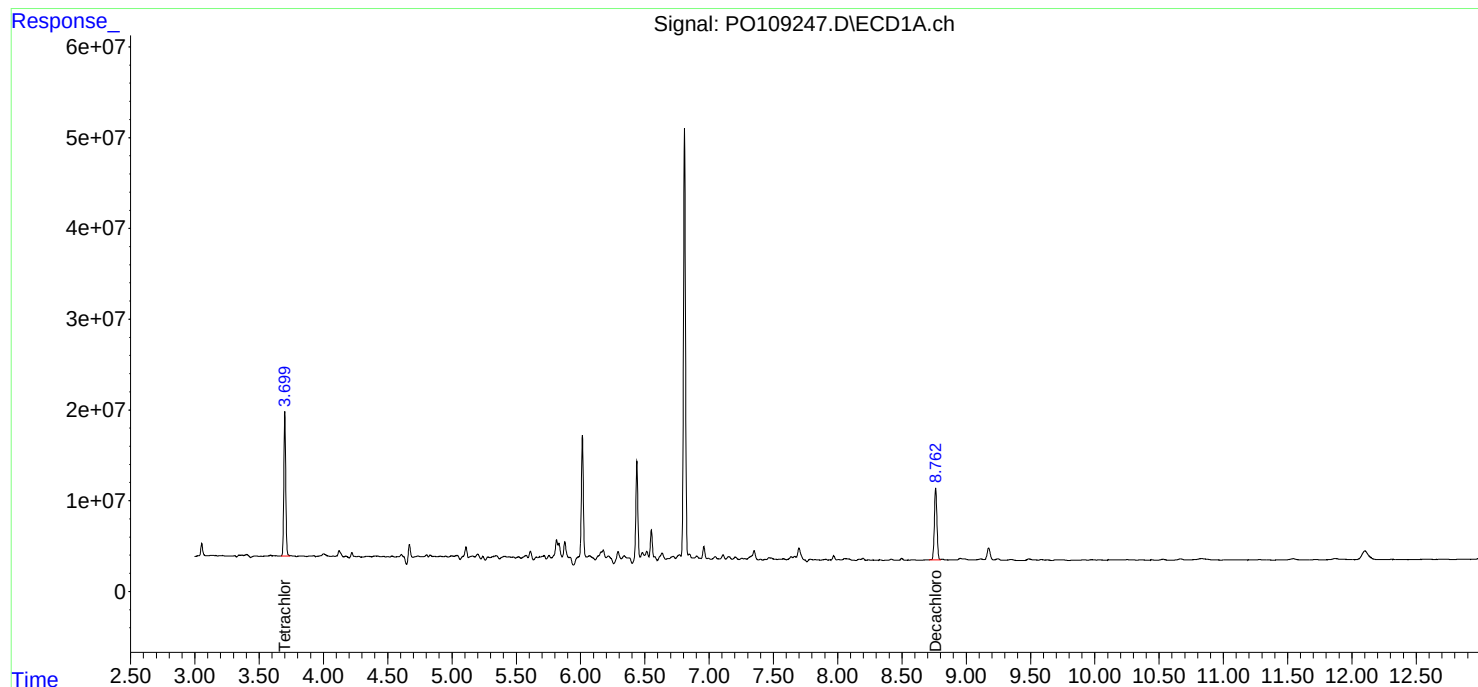
APPROVED

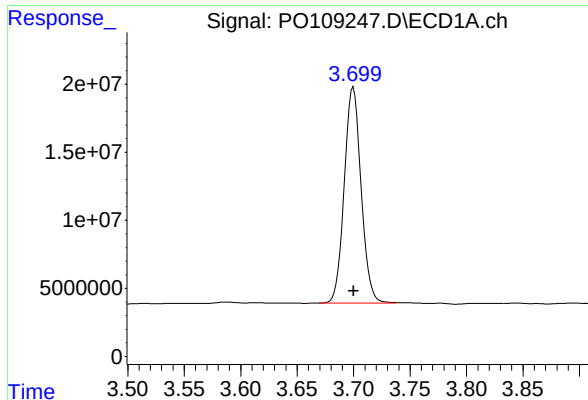
Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:03:38 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





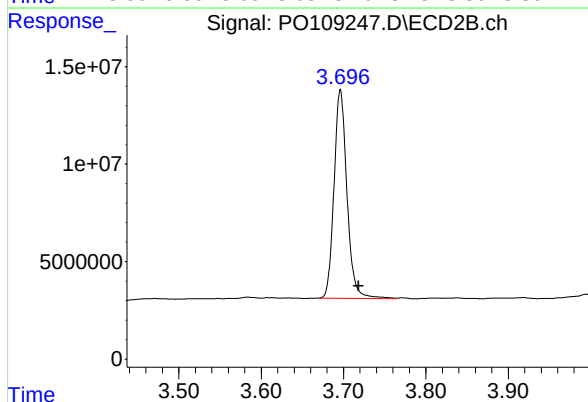
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: -0.001 min
Response: 164984745
Conc: 21.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-20.1-012725

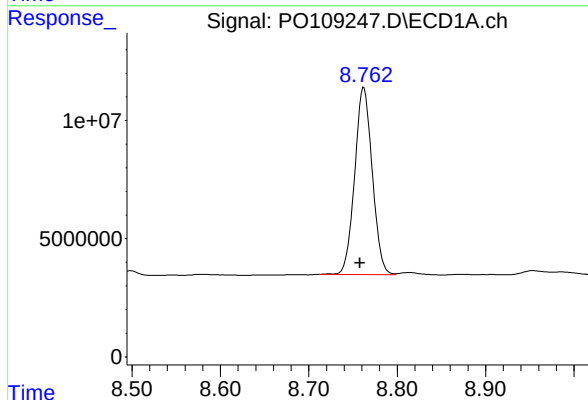
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



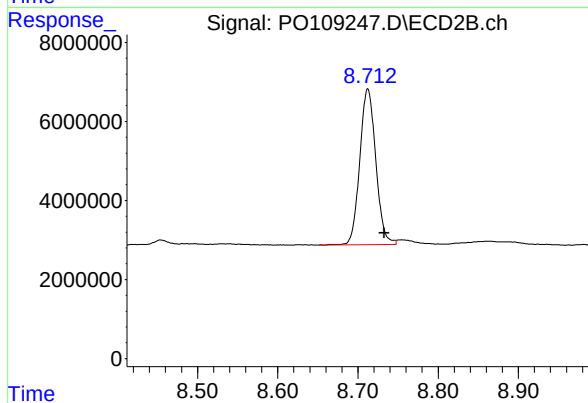
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 116605139
Conc: 21.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.762 min
Delta R.T.: 0.004 min
Response: 109151951
Conc: 15.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.712 min
Delta R.T.: -0.021 min
Response: 54631228
Conc: 15.89 ng/ml

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	84.5
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109248.D	1	01/29/25 08:55	01/29/25 19:31	PB166333

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.1	U	4.00	20.1	ug/kg
11104-28-2	Aroclor-1221	20.1	U	7.60	20.1	ug/kg
11141-16-5	Aroclor-1232	20.1	U	4.00	20.1	ug/kg
53469-21-9	Aroclor-1242	20.1	U	4.00	20.1	ug/kg
12672-29-6	Aroclor-1248	20.1	U	9.30	20.1	ug/kg
11097-69-1	Aroclor-1254	43.8		3.20	20.1	ug/kg
37324-23-5	Aroclor-1262	20.1	U	5.40	20.1	ug/kg
11100-14-4	Aroclor-1268	20.1	U	4.10	20.1	ug/kg
11096-82-5	Aroclor-1260	30.0		3.40	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		32 - 144	108%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
 Data File : PO109248.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 19:31
 Operator : YP/AJ
 Sample : Q1206-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

JPP-16.3-012725

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 30 04:03:52 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	159.5E6	115.4E6	21.104m	21.519
2) SA Decachlor...	8.763	8.713	99178505	49563802	14.316	14.413
Target Compounds						
26) L6 AR-1254-1	5.608	5.587	57333441	42190196	138.644	150.099
27) L6 AR-1254-2	5.754	5.731	36222845	26736524	100.111	106.834
28) L6 AR-1254-3	6.159	6.134	40903964	32053356	72.509m	81.598m
29) L6 AR-1254-4	6.389	6.361	21550910	13535830	62.535	61.428
30) L6 AR-1254-5	6.810	6.779	76233356	50795416	148.575	155.473
31) L7 AR-1260-1	6.291	6.265	42711158	29242865	112.057	116.021
32) L7 AR-1260-2	6.480	6.453	38207547	25763295	81.365m	85.648m
33) L7 AR-1260-3	6.849	6.605	22028444	21037596	56.258	75.570m#
34) L7 AR-1260-4	7.110	7.078	15619351	10267538	43.635	45.502
35) L7 AR-1260-5	7.349	7.316	46670654	29134073	55.920m	58.189m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 19:31
Operator : YP/AJ
Sample : Q1206-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

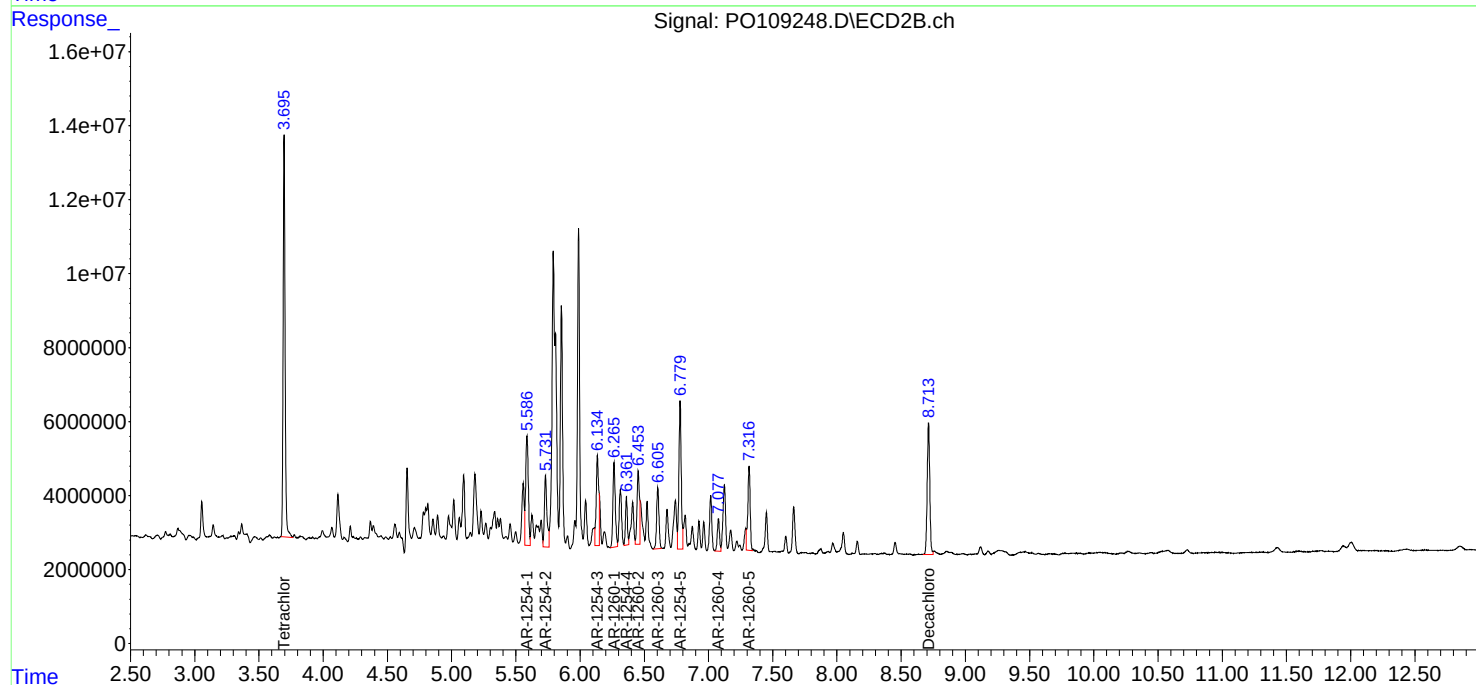
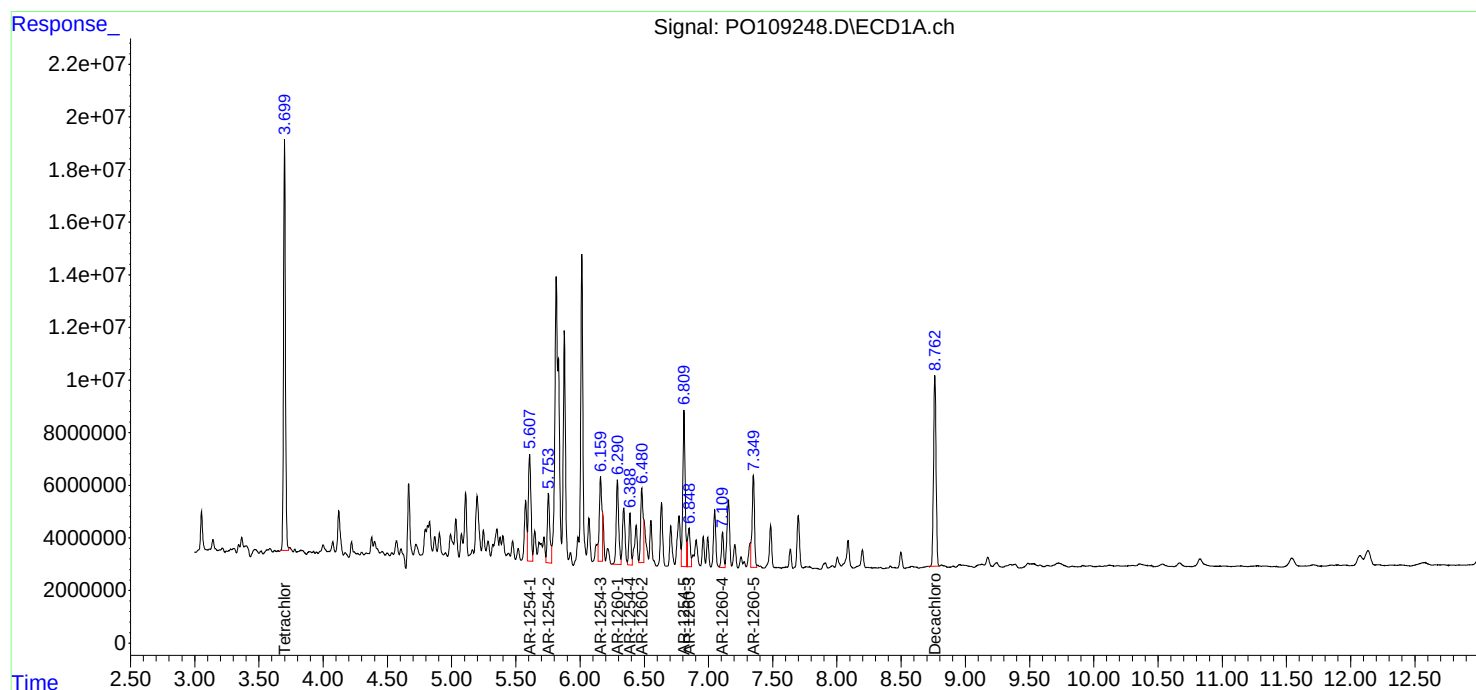
Instrument :
ECD_O
ClientSampleId :
JPP-16.3-012725

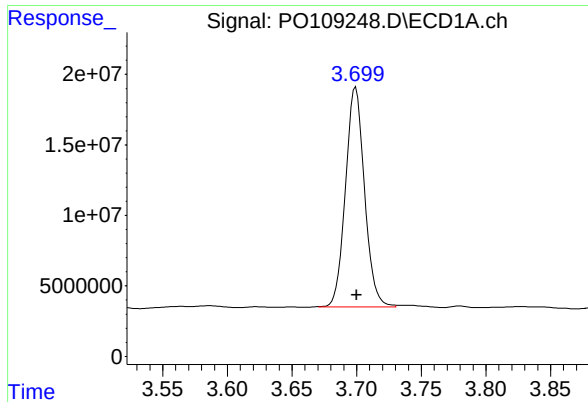
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:03:52 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





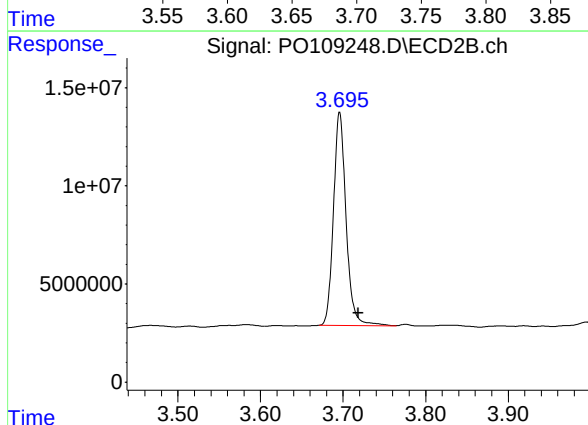
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: -0.001 min
Response: 159467765
Conc: 21.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-16.3-012725

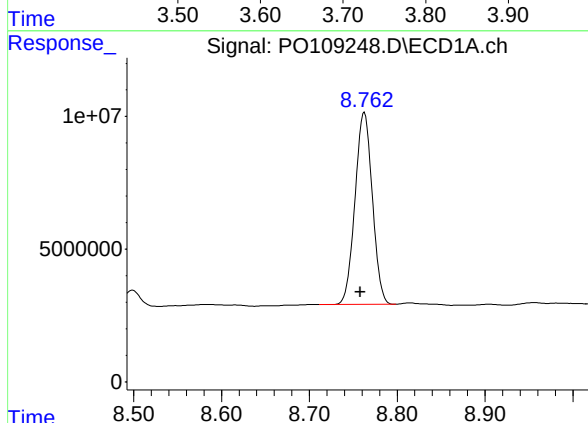
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



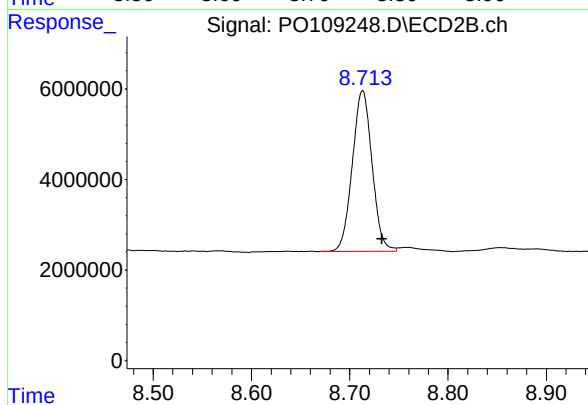
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 115351221
Conc: 21.52 ng/ml



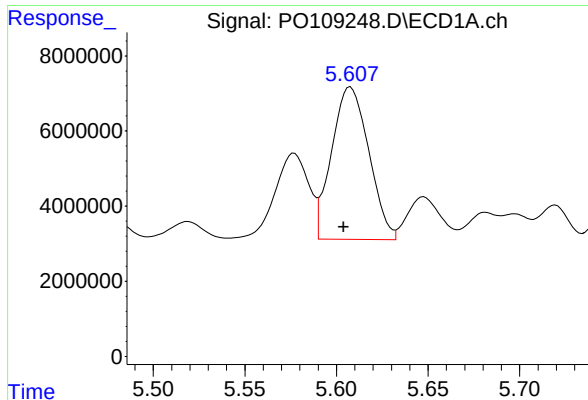
#2 Decachlorobiphenyl

R.T.: 8.763 min
Delta R.T.: 0.004 min
Response: 99178505
Conc: 14.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.713 min
Delta R.T.: -0.020 min
Response: 49563802
Conc: 14.41 ng/ml



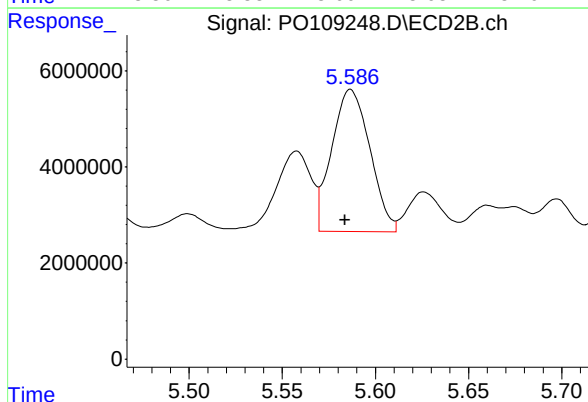
#26 AR-1254-1

R.T.: 5.608 min
Delta R.T.: 0.004 min
Response: 57333441
Conc: 138.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-16.3-012725

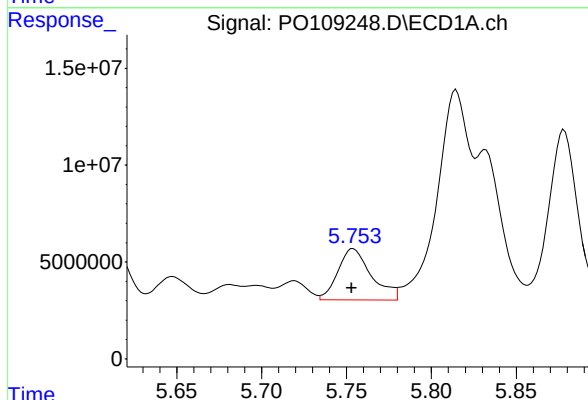
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



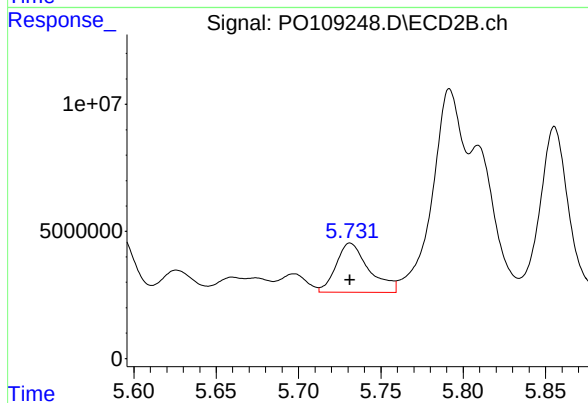
#26 AR-1254-1

R.T.: 5.587 min
Delta R.T.: 0.003 min
Response: 42190196
Conc: 150.10 ng/ml



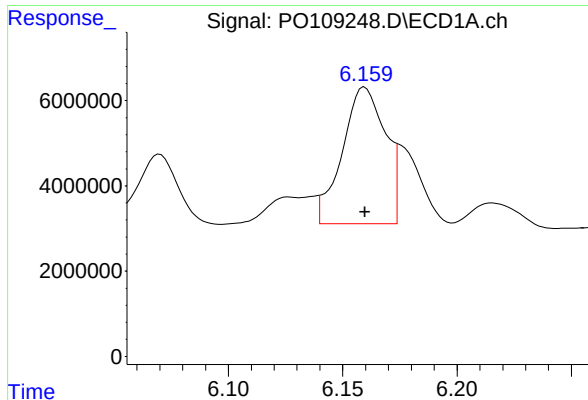
#27 AR-1254-2

R.T.: 5.754 min
Delta R.T.: 0.000 min
Response: 36222845
Conc: 100.11 ng/ml



#27 AR-1254-2

R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 26736524
Conc: 106.83 ng/ml



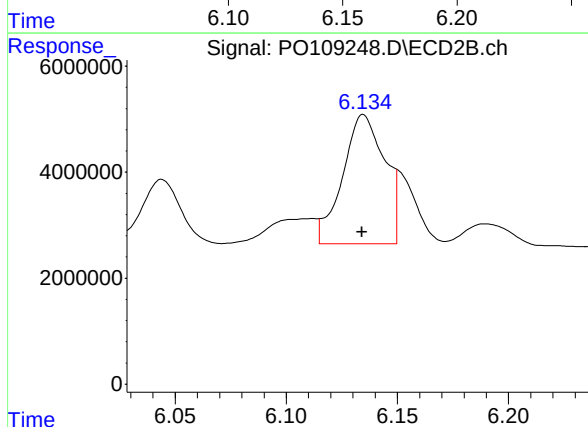
#28 AR-1254-3

R.T.: 6.159 min
Delta R.T.: 0.000 min
Response: 40903964
Conc: 72.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-16.3-012725

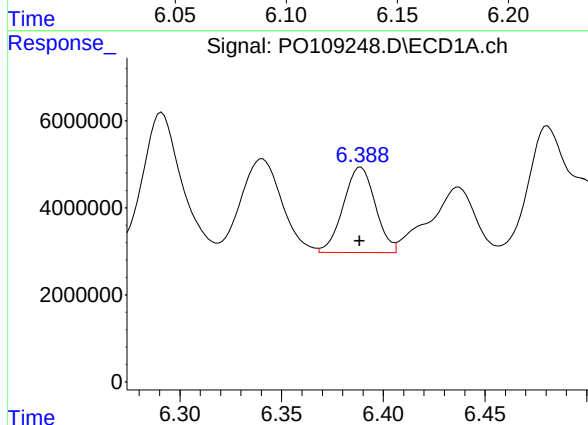
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



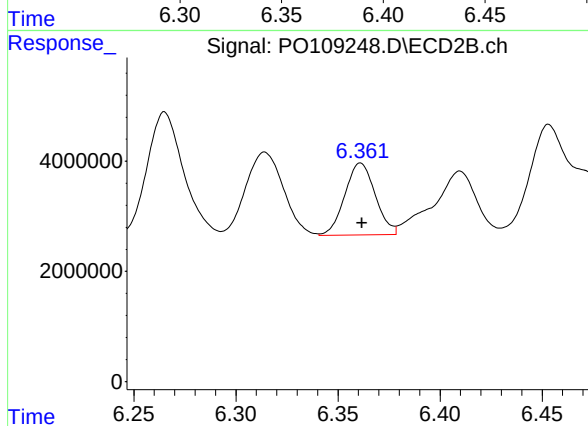
#28 AR-1254-3

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 32053356
Conc: 81.60 ng/ml m



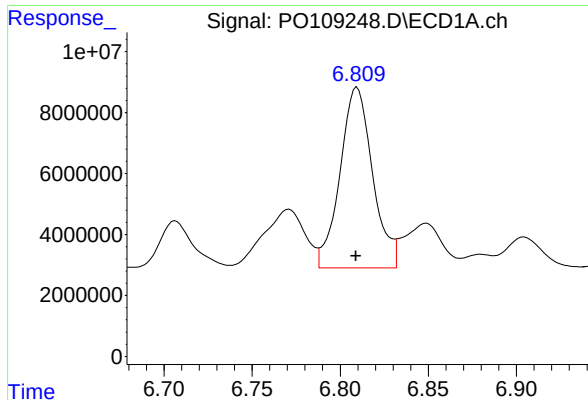
#29 AR-1254-4

R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 21550910
Conc: 62.54 ng/ml



#29 AR-1254-4

R.T.: 6.361 min
Delta R.T.: 0.000 min
Response: 13535830
Conc: 61.43 ng/ml



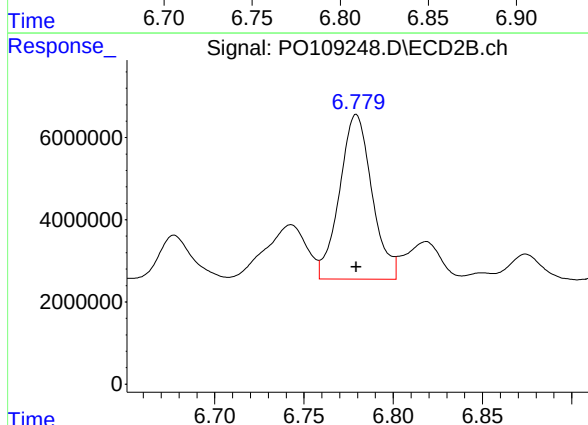
#30 AR-1254-5

R.T.: 6.810 min
Delta R.T.: 0.000 min
Response: 76233356
Conc: 148.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-16.3-012725

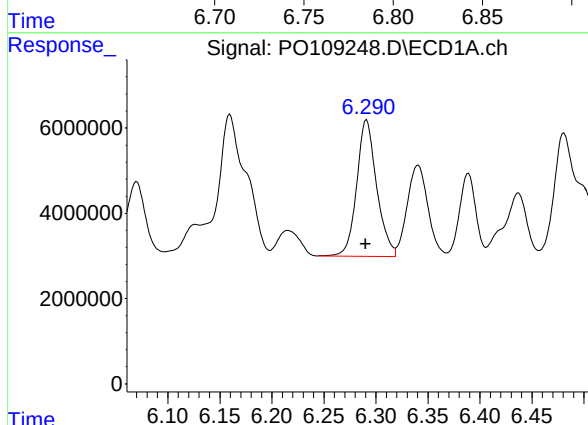
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



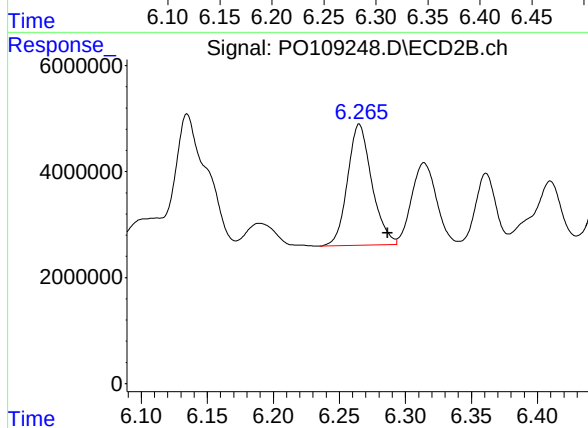
#30 AR-1254-5

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 50795416
Conc: 155.47 ng/ml



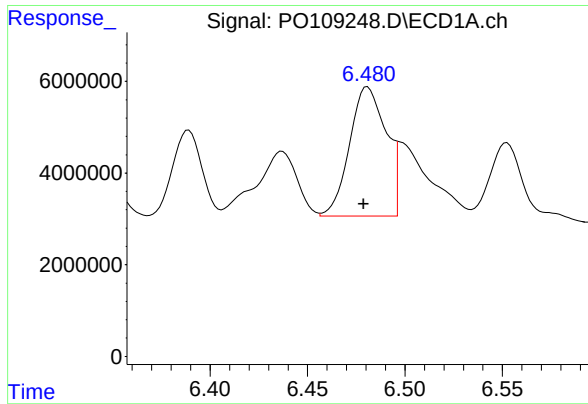
#31 AR-1260-1

R.T.: 6.291 min
Delta R.T.: 0.000 min
Response: 42711158
Conc: 112.06 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.021 min
Response: 29242865
Conc: 116.02 ng/ml



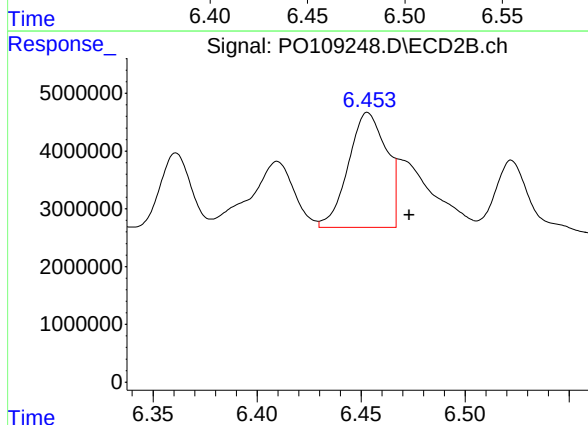
#32 AR-1260-2

R.T.: 6.480 min
Delta R.T.: 0.001 min
Response: 38207547
Conc: 81.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-16.3-012725

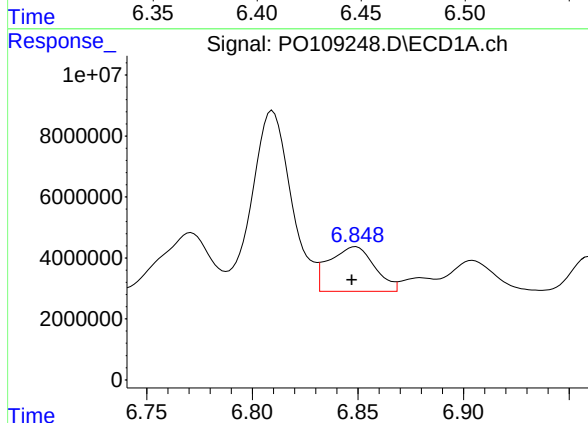
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



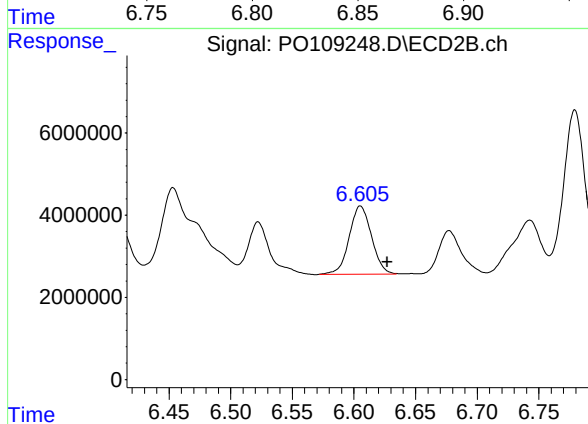
#32 AR-1260-2

R.T.: 6.453 min
Delta R.T.: -0.020 min
Response: 25763295
Conc: 85.65 ng/ml m



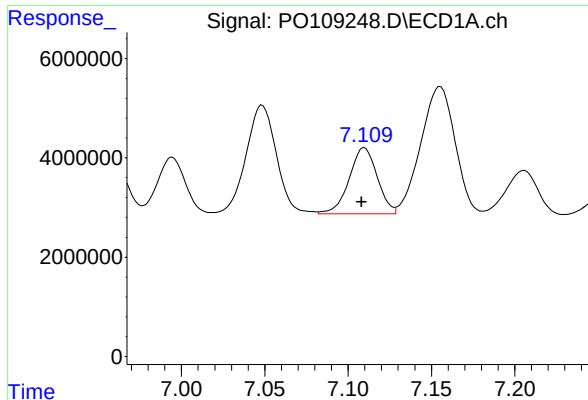
#33 AR-1260-3

R.T.: 6.849 min
Delta R.T.: 0.002 min
Response: 22028444
Conc: 56.26 ng/ml



#33 AR-1260-3

R.T.: 6.605 min
Delta R.T.: -0.022 min
Response: 21037596
Conc: 75.57 ng/ml m



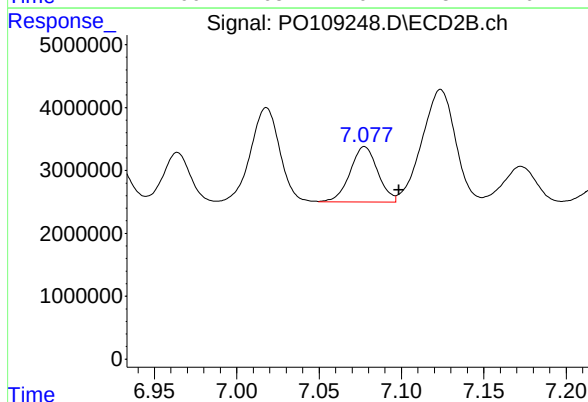
#34 AR-1260-4

R.T.: 7.110 min
Delta R.T.: 0.002 min
Response: 15619351
Conc: 43.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
JPP-16.3-012725

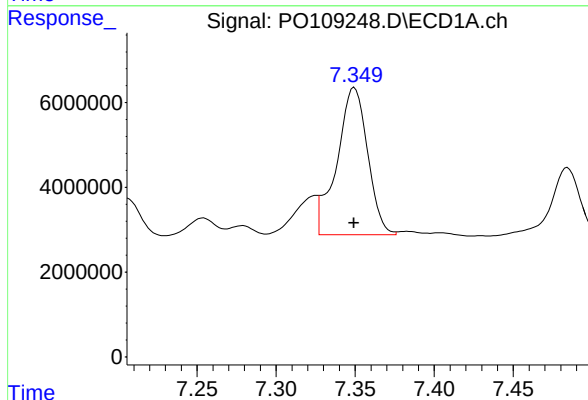
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



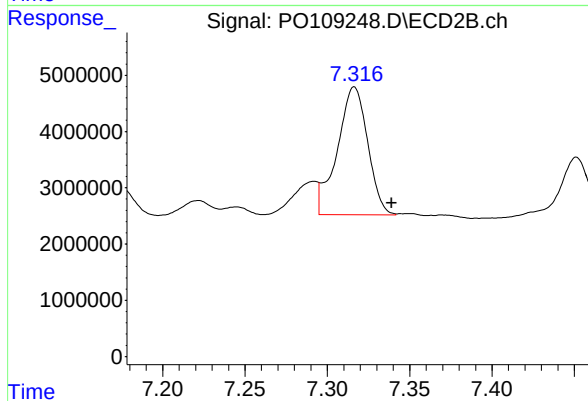
#34 AR-1260-4

R.T.: 7.078 min
Delta R.T.: -0.021 min
Response: 10267538
Conc: 45.50 ng/ml



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 46670654
Conc: 55.92 ng/ml m



#35 AR-1260-5

R.T.: 7.316 min
Delta R.T.: -0.023 min
Response: 29134073
Conc: 58.19 ng/ml m



CALIBRATION SUMMARY

Calibration Times: 17:36 01:50

LAB FILE ID:	RT 1000 =	<u>PO108982.D</u>	RT 750 =	<u>PO108983.D</u>
	RT 500 =	PO108984.D	RT 250 =	PO108985.D
			RT 050 =	PO108986.D

[illegible]

[illegible]

Calibration Times: 17:36 01:50

LAB FILE ID:	RT 1000 =	<u>PO108982.D</u>	RT 750 =	<u>PO108983.D</u>
	RT 500 =	PO108984.D	RT 250 =	PO108985.D
			RT 050 =	PO108986.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01
Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206
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 = <u>PO108982.D</u>		CF 750 = <u>PO108983.D</u>			
CF 500 = <u>PO108984.D</u>		CF 250 = <u>PO108985.D</u>		CF 050 = <u>PO108986.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	233065045	244410019	248250902	263810212	271896440	252286524
Aroclor-1016-2	(2)	325363679	338972765	344308556	357996712	357782160	344884774
Aroclor-1016-3	(3)	223049536	234801713	240773660	257313424	264644780	244116623
Aroclor-1016-4	(4)	175974311	184579665	189100190	198987084	205504880	190829226
Aroclor-1016-5	(5)	190134930	199311205	207066494	222947156	224348000	208761557
Aroclor-1260-1	(1)	348800771	364882765	375462458	399932624	416699380	381155600
Aroclor-1260-2	(2)	430525248	448276513	461774946	488220872	519105560	469580628
Aroclor-1260-3	(3)	359859412	378331397	386511394	408169100	424938760	391562013
Aroclor-1260-4	(4)	332481764	347292652	354683668	372951676	382377400	357957432
Aroclor-1260-5	(5)	803151986	830038244	833771178	853559688	852457760	834595771
Decachlorobiphenyl		6434348190	6661231787	6830111140	7188416880	7524624800	6927746559
Tetrachloro-m-xylene		7601276640	7501278947	7481675880	7644109480	7553803600	7556428909
Aroclor-1242-1	(1)	195196952	201389908	214304986	226003920	225308640	212440881
Aroclor-1242-2	(2)	268098195	278641713	289244872	304071824	293574460	286726213
Aroclor-1242-3	(3)	186201466	194711956	206440658	220830688	215362160	204709386
Aroclor-1242-4	(4)	146339247	152438169	160415562	170237596	164916200	158869355
Aroclor-1242-5	(5)	154300112	158580243	167963632	178401740	175909460	167031037
Decachlorobiphenyl		6093757170	6273163067	6555969800	6873050240	6988220200	6556832095
Tetrachloro-m-xylene		7302831450	7496516067	7696349800	7451780120	6586958200	7306887127
Aroclor-1248-1	(1)	145246997	150453889	157781164	170519664	173855120	159571367
Aroclor-1248-2	(2)	197265768	209686637	218963792	239048120	252482700	223489403
Aroclor-1248-3	(3)	248188978	257855635	270690240	293270108	299294900	273859972
Aroclor-1248-4	(4)	351583188	362624208	379215116	402583304	426725120	384546187
Aroclor-1248-5	(5)	245666962	251879323	262640736	279614828	288543680	265669106
Decachlorobiphenyl		6072639940	6272001520	6560139460	6944778840	7129210800	6595754112
Tetrachloro-m-xylene		7184593920	7370395840	7484351680	7653720840	7312573400	7401127136
Aroclor-1254-1	(1)	374847163	389452248	410697836	433454068	459205320	413531327
Aroclor-1254-2	(2)	325342531	339278107	358066768	381289080	405152620	361825821
Aroclor-1254-3	(3)	522141746	540493293	562618572	587400960	607950820	564121078
Aroclor-1254-4	(4)	328382284	332039301	348673262	361037032	352970440	344620464
Aroclor-1254-5	(5)	475331089	489980032	515035558	537655848	547482260	513096957
Decachlorobiphenyl		6154630290	6360969147	6655043100	6960677720	7204237800	6667111611
Tetrachloro-m-xylene		7266635340	7453080907	7677404800	7686251640	7337350200	7484144577
Aroclor-1268-1	(1)	1033690630	1036942464	1067670602	1080273708	1104982020	1064711885



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

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



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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 = <u>PO108982.D</u>		CF 750 = <u>PO108983.D</u>			
CF 500 = <u>PO108984.D</u>		CF 250 = <u>PO108985.D</u>		CF 050 = <u>PO108986.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	145518803	142573049	166649690	172900172	181948120	11
Aroclor-1016-2	(2)	223129267	236622256	232122136	250011316	249296120	5
Aroclor-1016-3	(3)	121270732	126119179	128693642	138175620	137629920	6
Aroclor-1016-4	(4)	98703058	105288716	109289440	120650588	118660940	8
Aroclor-1016-5	(5)	130939362	136319948	141694888	155164716	153595760	7
Aroclor-1260-1	(1)	229857010	239931019	247217984	265407312	277830920	8
Aroclor-1260-2	(2)	274616892	283537992	291890314	314812824	339164440	9
Aroclor-1260-3	(3)	255547157	264550967	272530098	288370904	310931080	8
Aroclor-1260-4	(4)	210034482	216033343	222462830	233977972	245747280	6
Aroclor-1260-5	(5)	481178354	492665984	499979908	514637484	514938920	3
Decachlorobiphenyl		3156544800	3289680693	3391332080	3623383520	3732817400	7
Tetrachloro-m-xylene		5315746230	5437498093	5428207440	5462079080	5158066000	2
Aroclor-1242-1	(1)	130294727	135534199	142873858	151389892	154466220	7
Aroclor-1242-2	(2)	183791222	188978371	198913930	207089908	207312700	5
Aroclor-1242-3	(3)	100083291	104057155	110676450	116018292	114379700	6
Aroclor-1242-4	(4)	101694040	106737525	114342192	123447428	121997980	8
Aroclor-1242-5	(5)	124175329	128045065	135895568	145256248	150561360	8
Decachlorobiphenyl		2975923130	3104041173	3249737920	3444762080	3552503800	7
Tetrachloro-m-xylene		5146305370	5269389160	5422425040	5452266880	4942424000	4
Aroclor-1248-1	(1)	97508588	101198119	106540372	114549420	116802080	8
Aroclor-1248-2	(2)	135954819	143343636	151605960	164947764	174030220	10
Aroclor-1248-3	(3)	145968318	152945292	161442194	176334456	190180940	11
Aroclor-1248-4	(4)	171715835	178859555	187881420	202639424	216432800	9
Aroclor-1248-5	(5)	167823607	172638881	180053168	192035492	203508660	8
Decachlorobiphenyl		3009595400	3126029333	3260555920	3479534800	3551272200	7
Tetrachloro-m-xylene		5072748910	5224226253	5283938200	5402921120	5021628000	3
Aroclor-1254-1	(1)	253547823	264686405	278940988	295164372	313075680	8
Aroclor-1254-2	(2)	223099297	232757513	247383274	262896088	285176280	10
Aroclor-1254-3	(3)	362340991	375750797	393412880	409817176	422789620	6
Aroclor-1254-4	(4)	207964031	212728924	222445680	231289600	227332320	4
Aroclor-1254-5	(5)	302636627	313319767	329146572	343115096	345356740	6
Decachlorobiphenyl		3009418030	3125275440	3274408080	3481058080	3592269800	7
Tetrachloro-m-xylene		5157782560	5318511973	5462257400	5454366480	5168021000	3
Aroclor-1268-1	(1)	605633372	613614913	625929052	644237020	658094440	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



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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		CALIBRATION FACTOR
				FROM	TO	
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



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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		CALIBRATION FACTOR
				FROM	TO	
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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108982.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\P0012125.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.

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

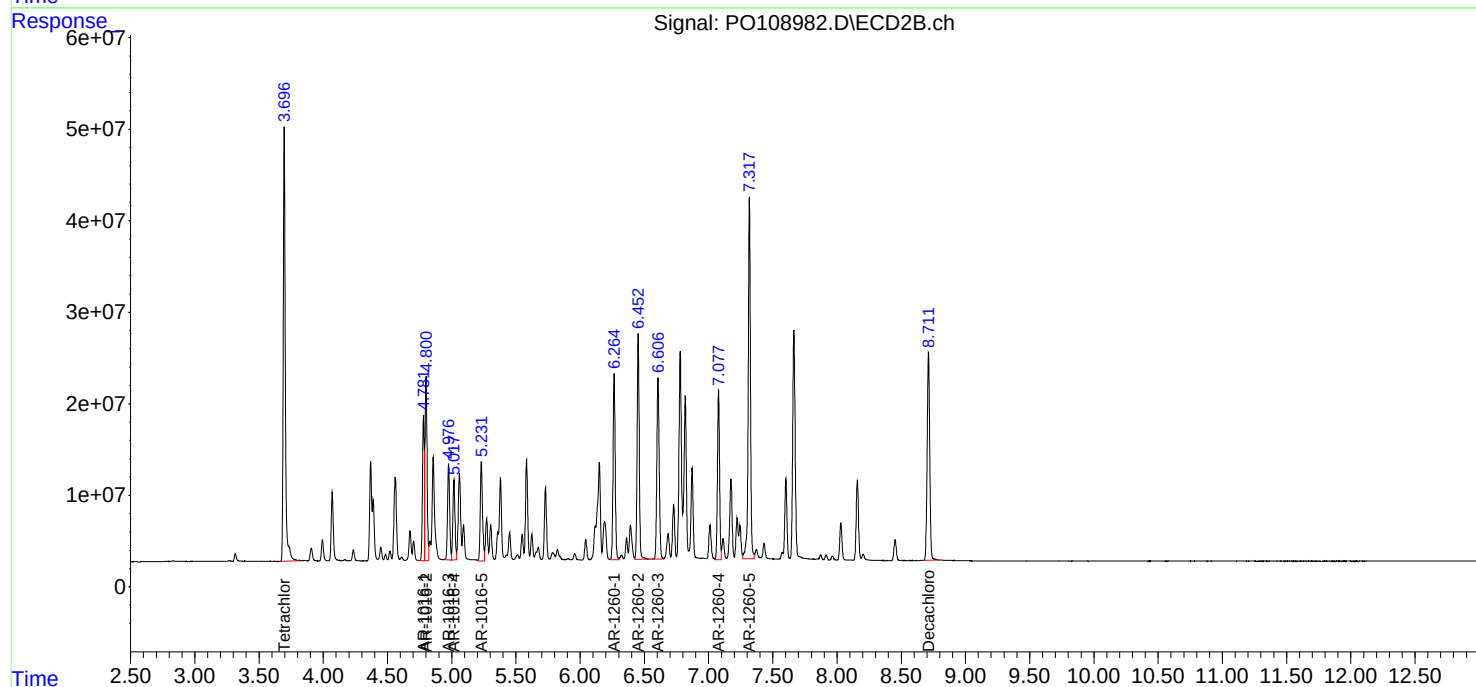
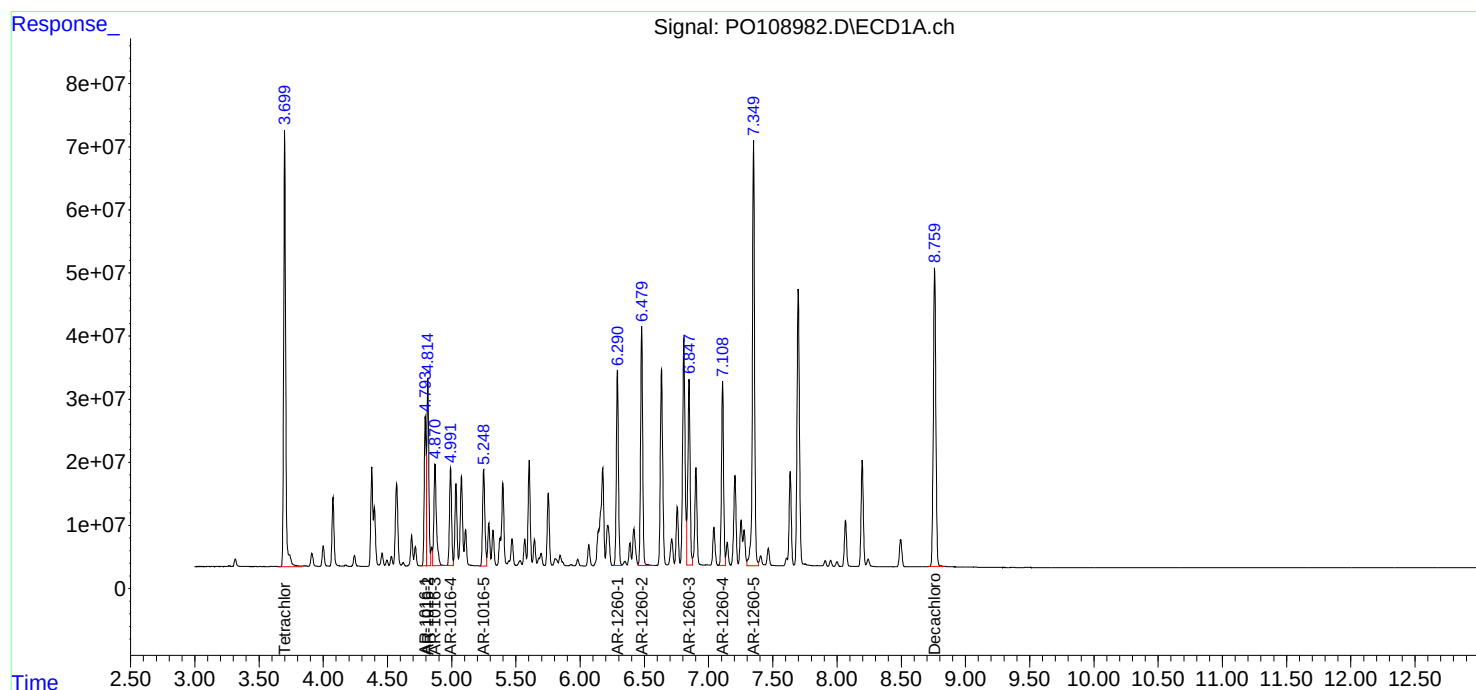
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

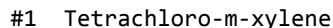
Manual Integrations
APPROVED

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

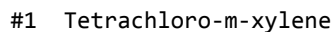
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

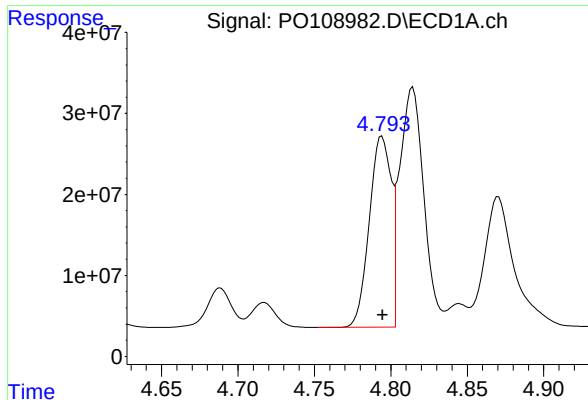
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



#2 Decachlorobiphenyl

#2 Decachlorobiphenyl

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



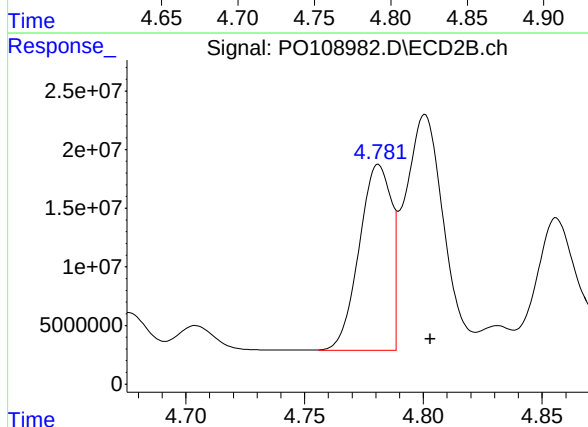
#3 AR-1016-1

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

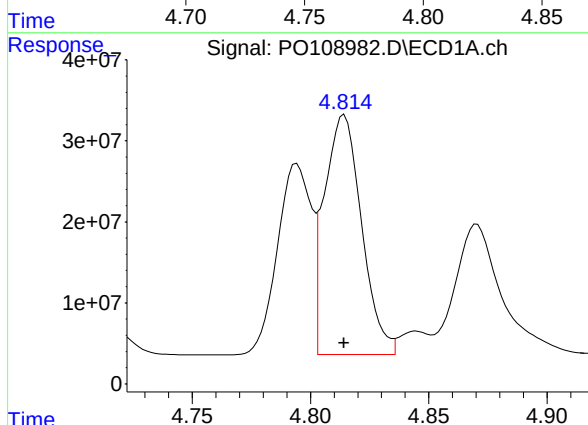
Manual Integrations
APPROVED

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



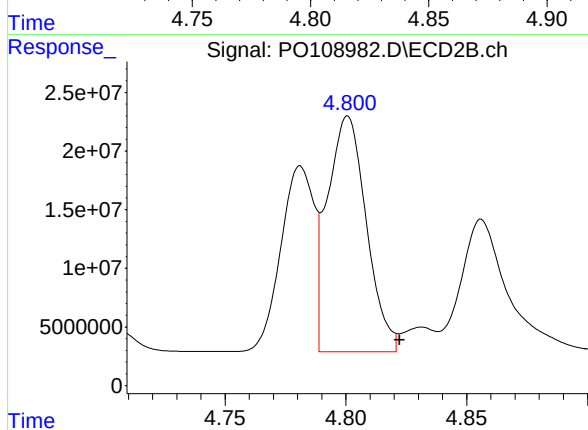
#3 AR-1016-1

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



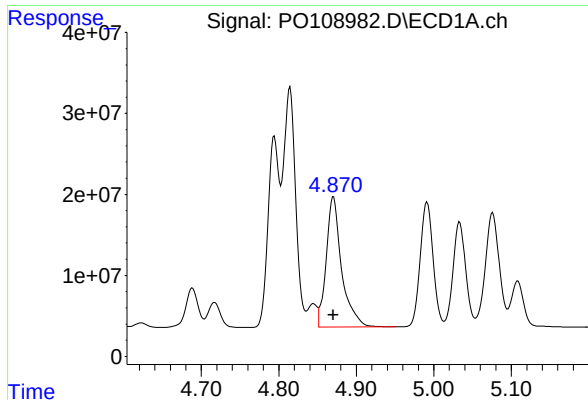
#4 AR-1016-2

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



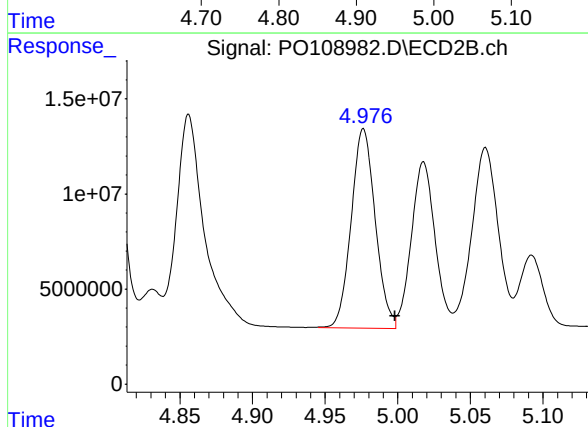
#5 AR-1016-3

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

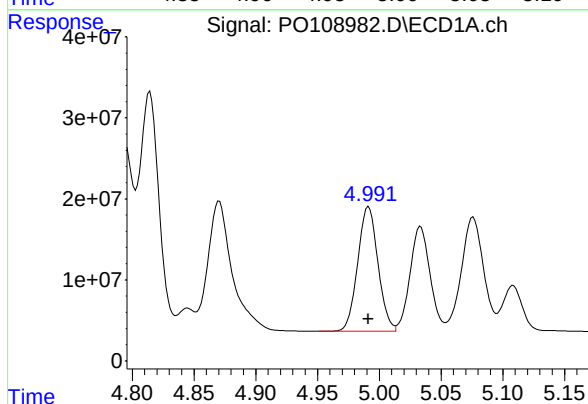
Manual Integrations
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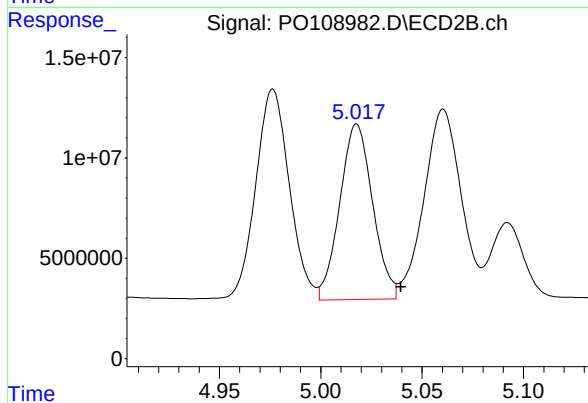
#5 AR-1016-3

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



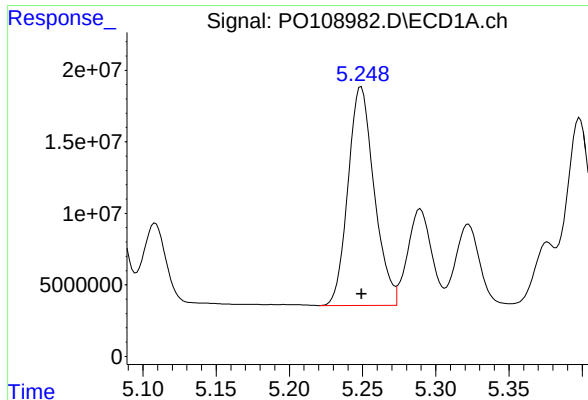
#6 AR-1016-4

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



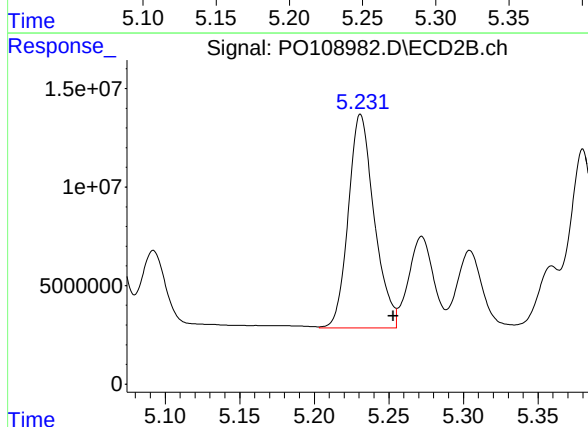
#7 AR-1016-5

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

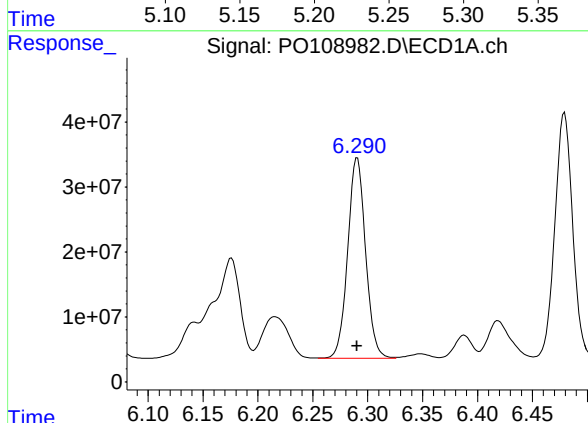
Manual Integrations
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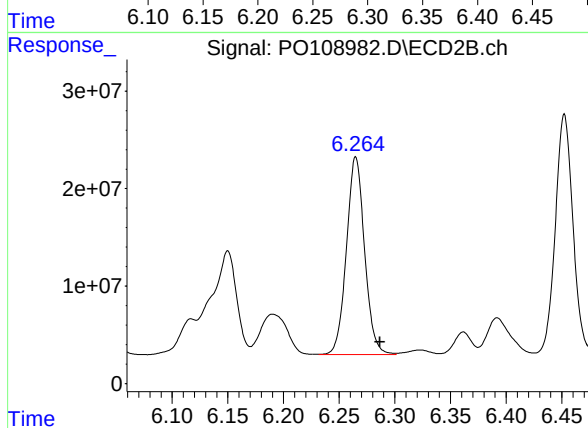
#7 AR-1016-5

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



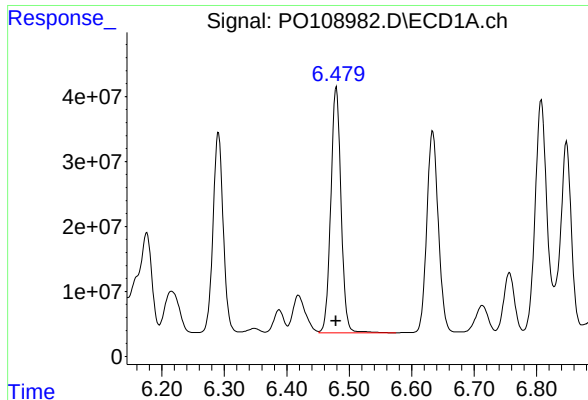
#31 AR-1260-1

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



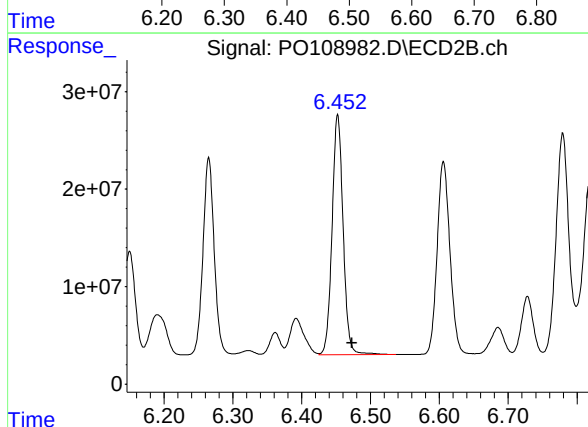
#32 AR-1260-2

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

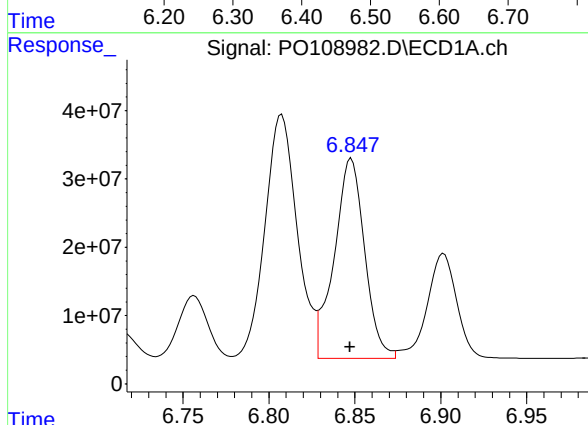
Manual Integrations
APPROVED

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



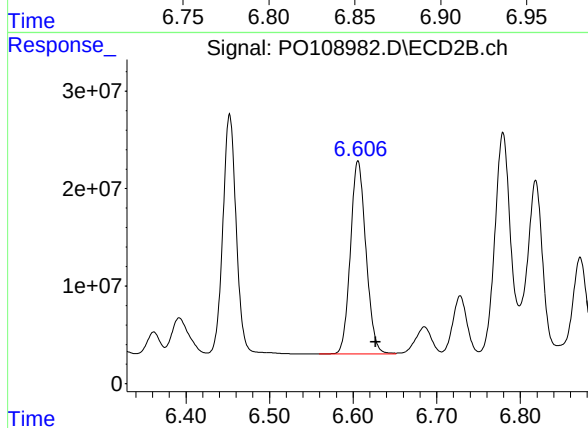
#32 AR-1260-2

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



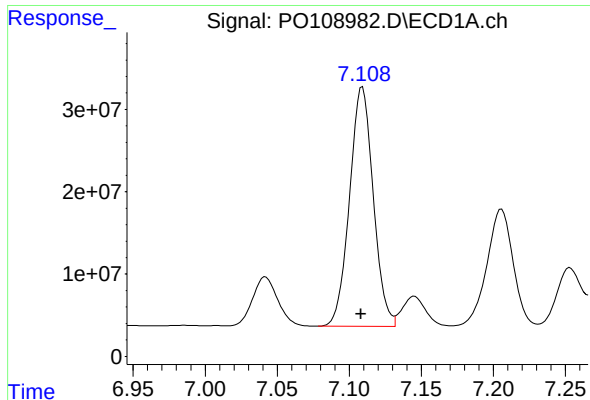
#33 AR-1260-3

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



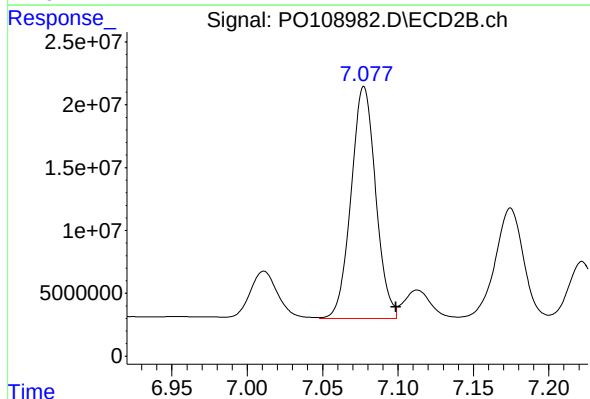
#34 AR-1260-4

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

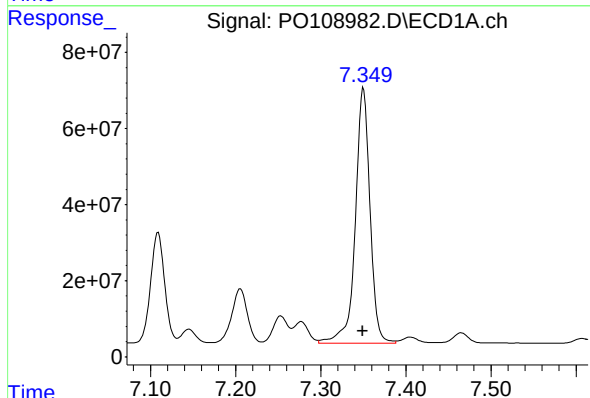
Manual Integrations
APPROVED

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



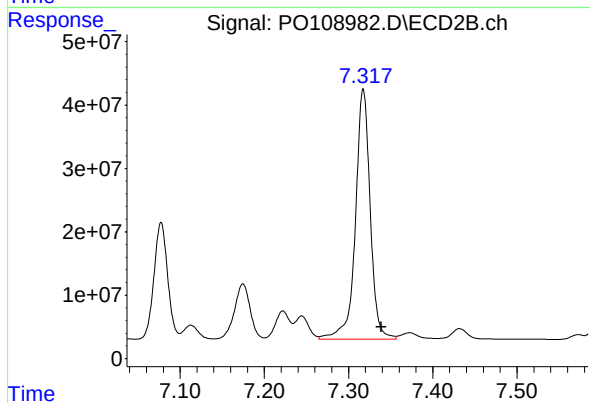
#34 AR-1260-4

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



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108983.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\P0012125.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.

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

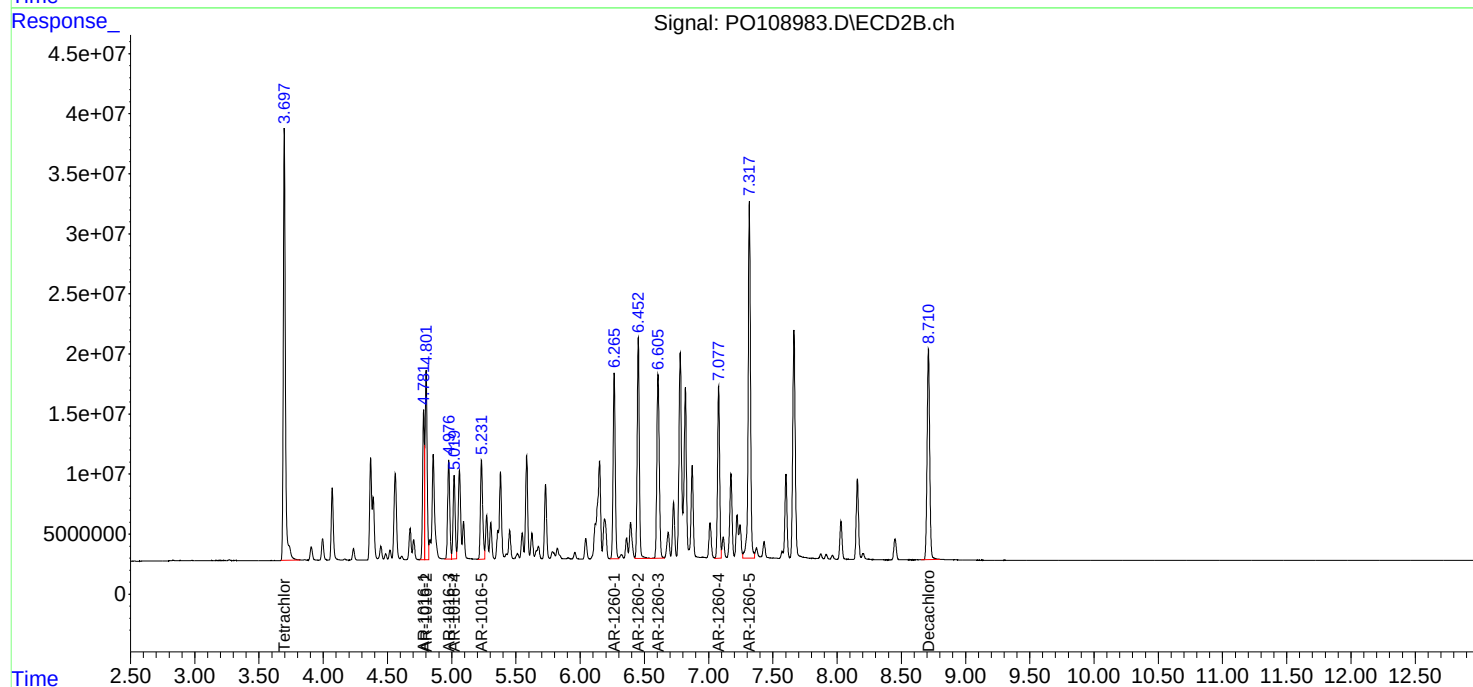
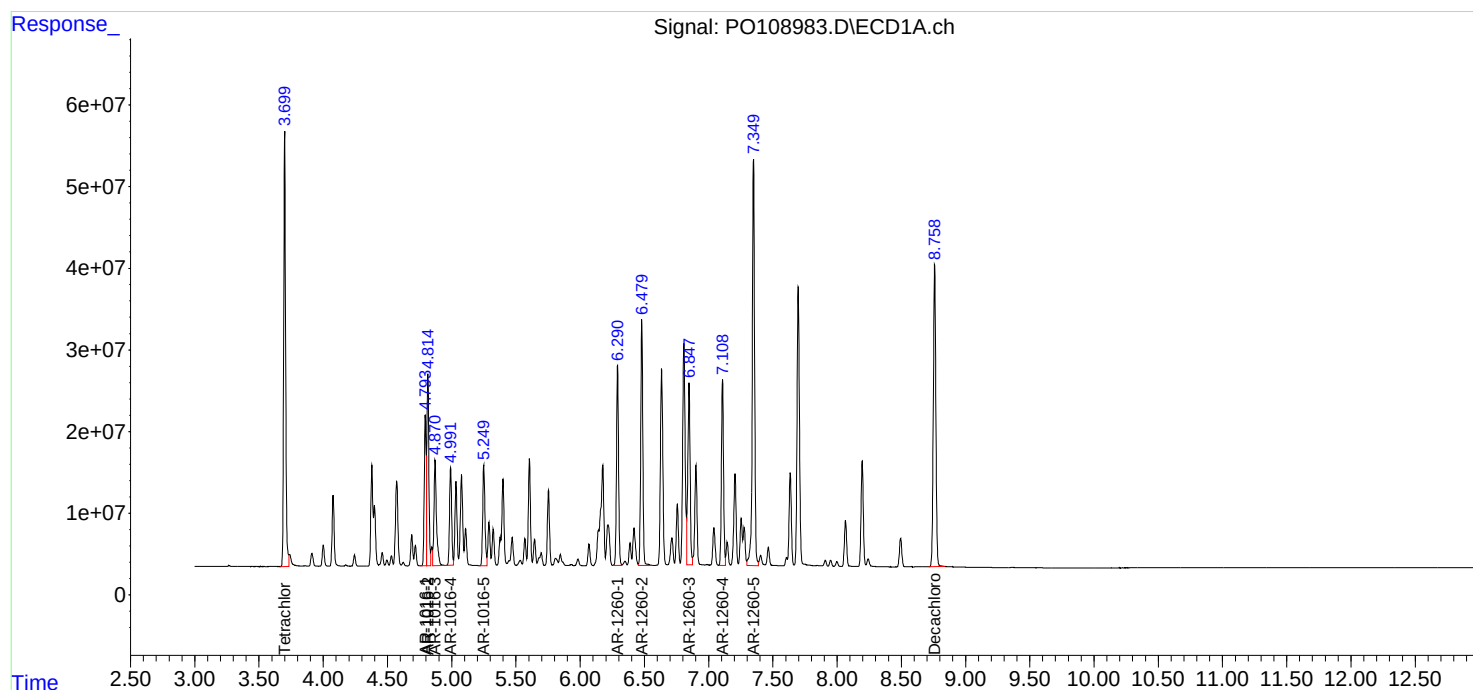
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

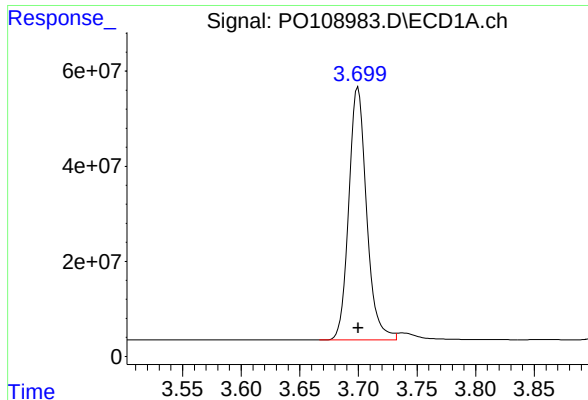
Manual Integrations
APPROVED

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





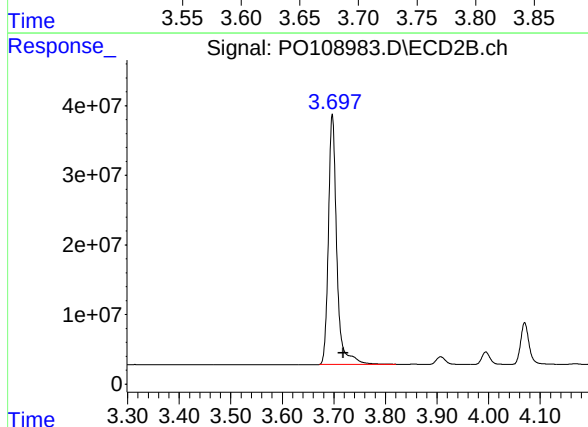
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

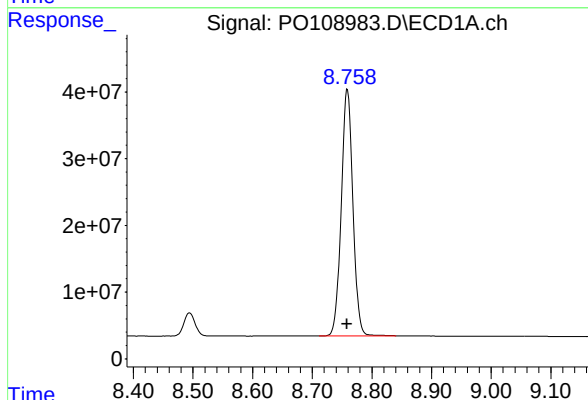
Manual Integrations
APPROVED

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



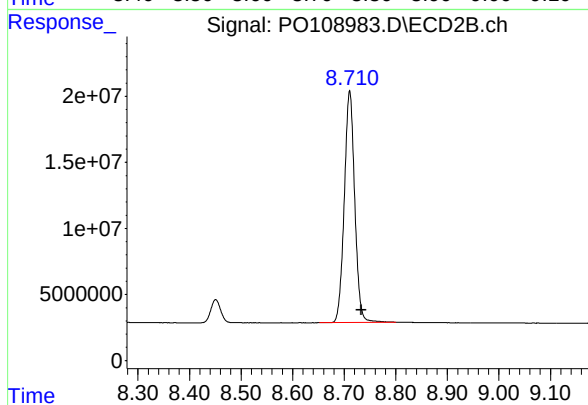
#1 Tetrachloro-m-xylene

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



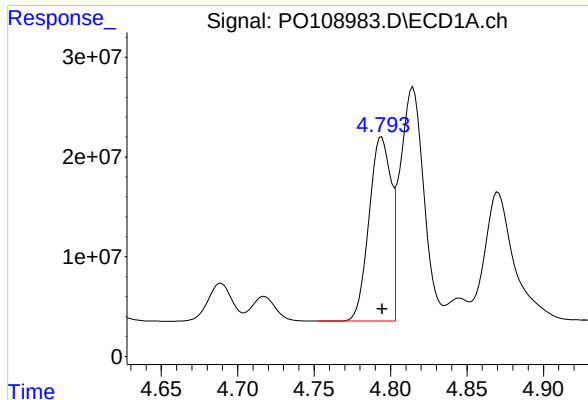
#2 Decachlorobiphenyl

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



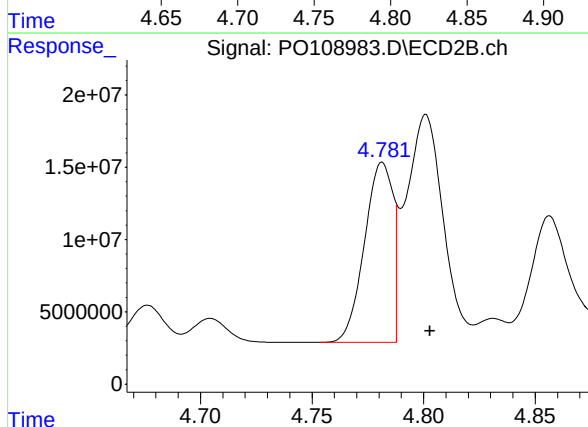
#3 AR-1016-1

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

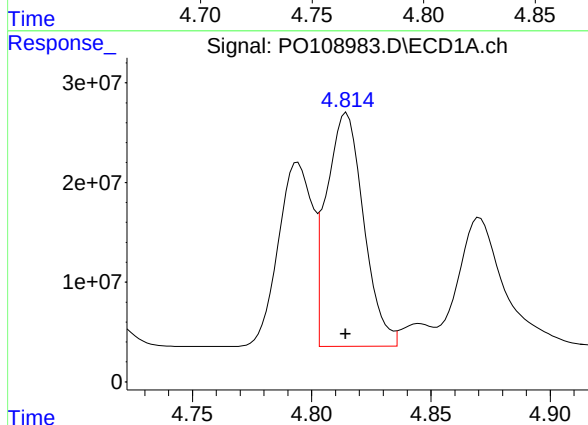
Manual Integrations
APPROVED

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



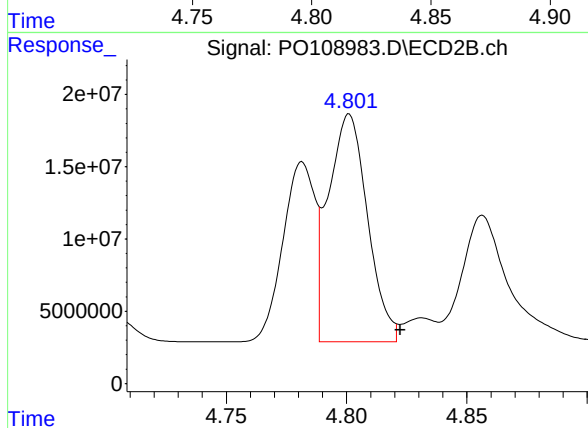
#3 AR-1016-1

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



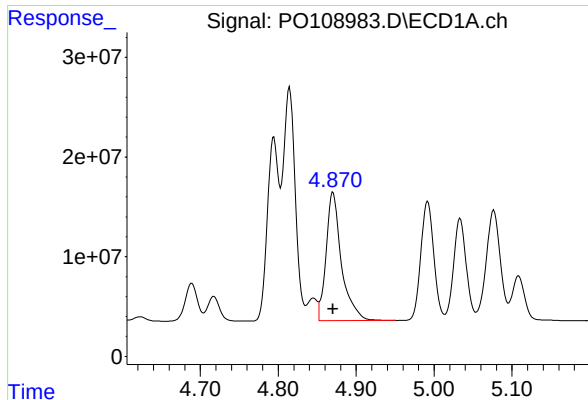
#4 AR-1016-2

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



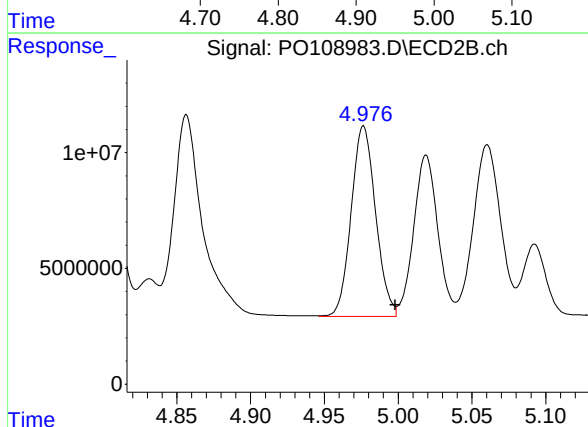
#5 AR-1016-3

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

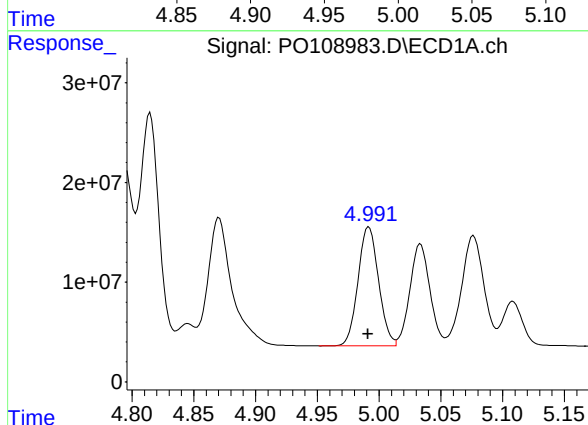
Manual Integrations
APPROVED

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



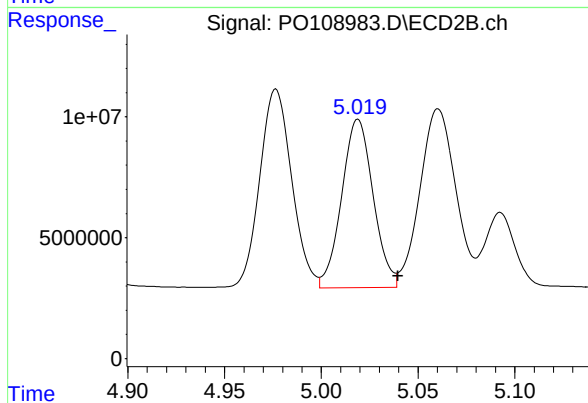
#5 AR-1016-3

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



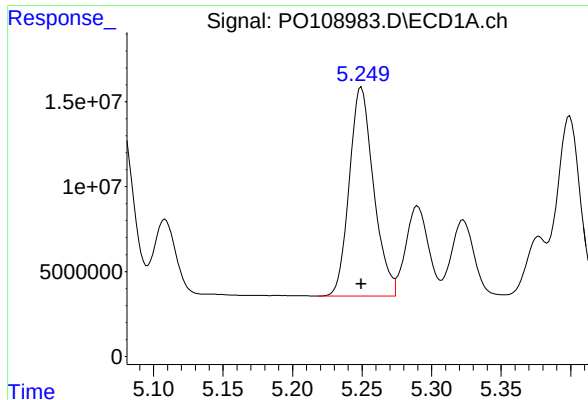
#6 AR-1016-4

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



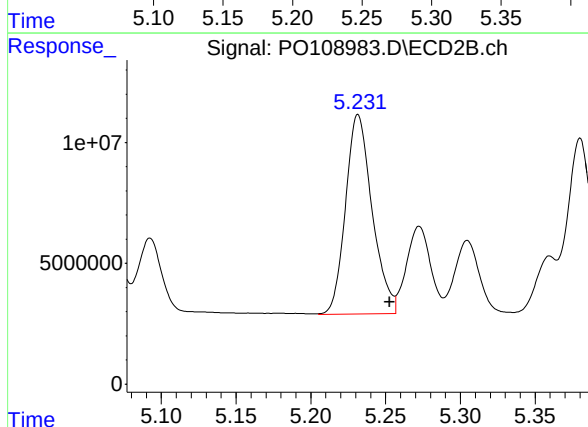
#7 AR-1016-5

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

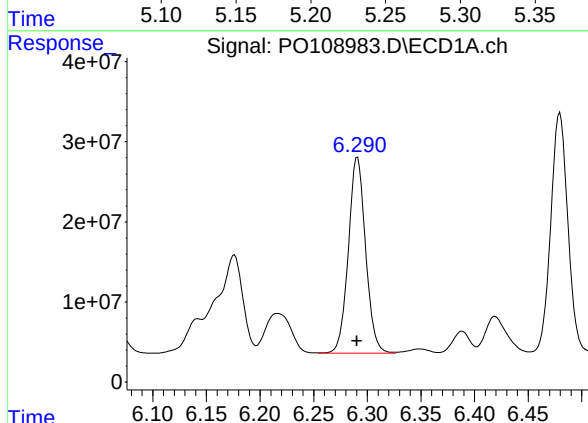
Manual Integrations
APPROVED

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



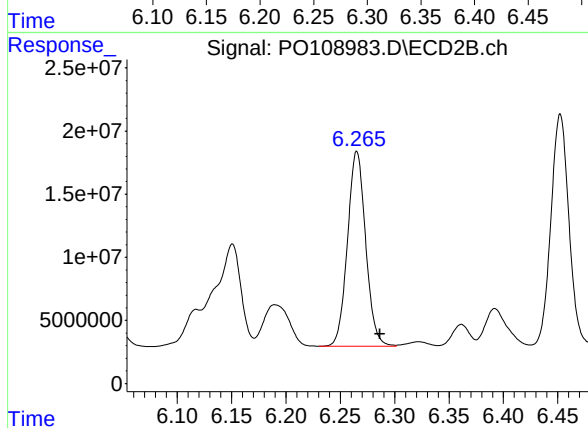
#7 AR-1016-5

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



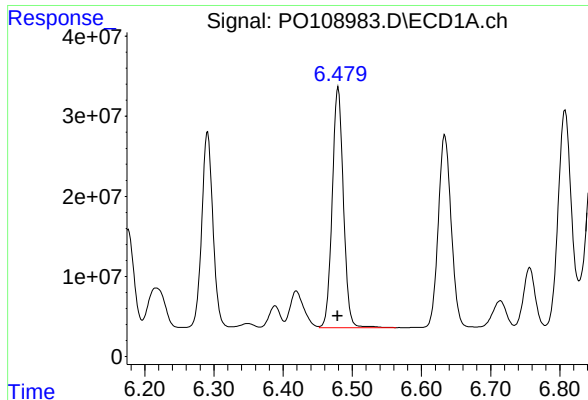
#31 AR-1260-1

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



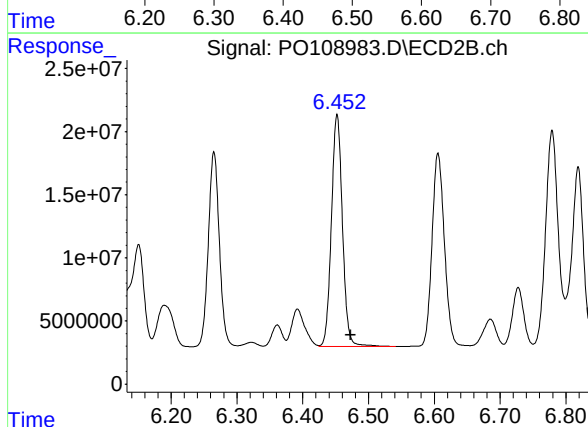
#32 AR-1260-2

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

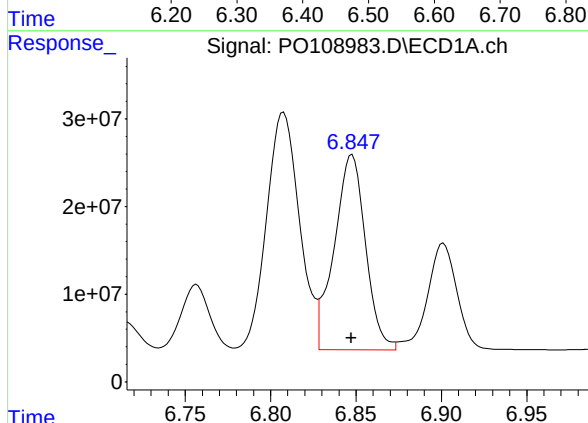
Manual Integrations
APPROVED

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



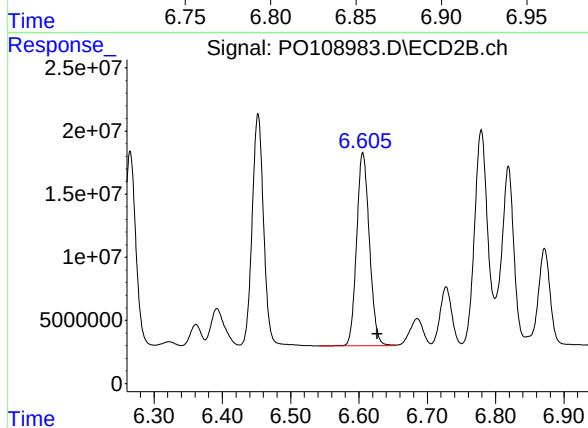
#32 AR-1260-2

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



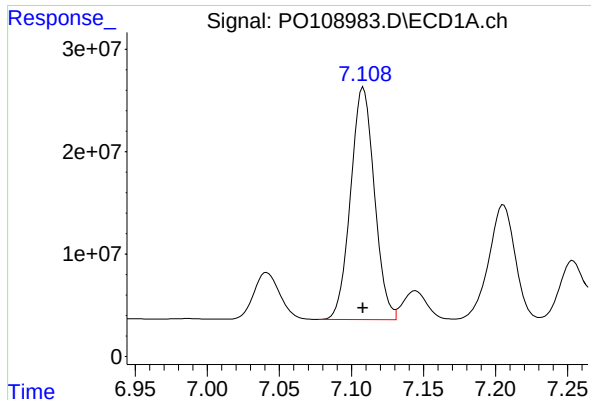
#33 AR-1260-3

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



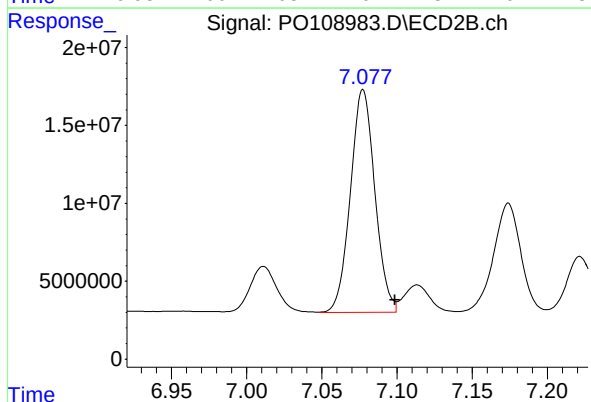
#34 AR-1260-4

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

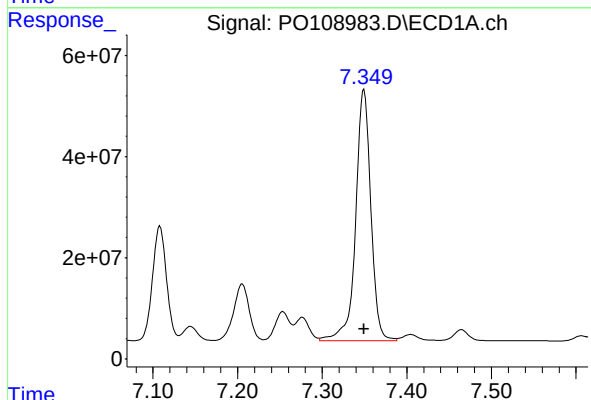
Manual Integrations
APPROVED

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



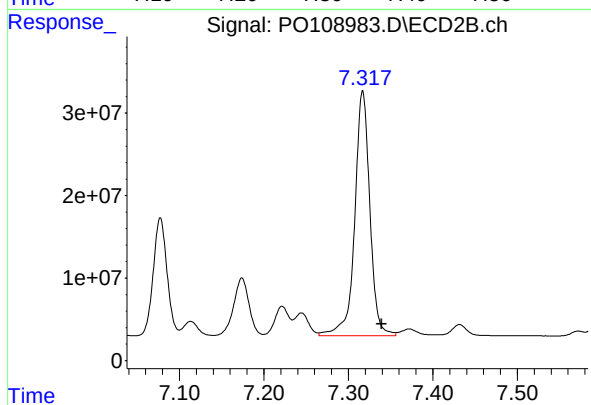
#34 AR-1260-4

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



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108984.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\P0012125.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

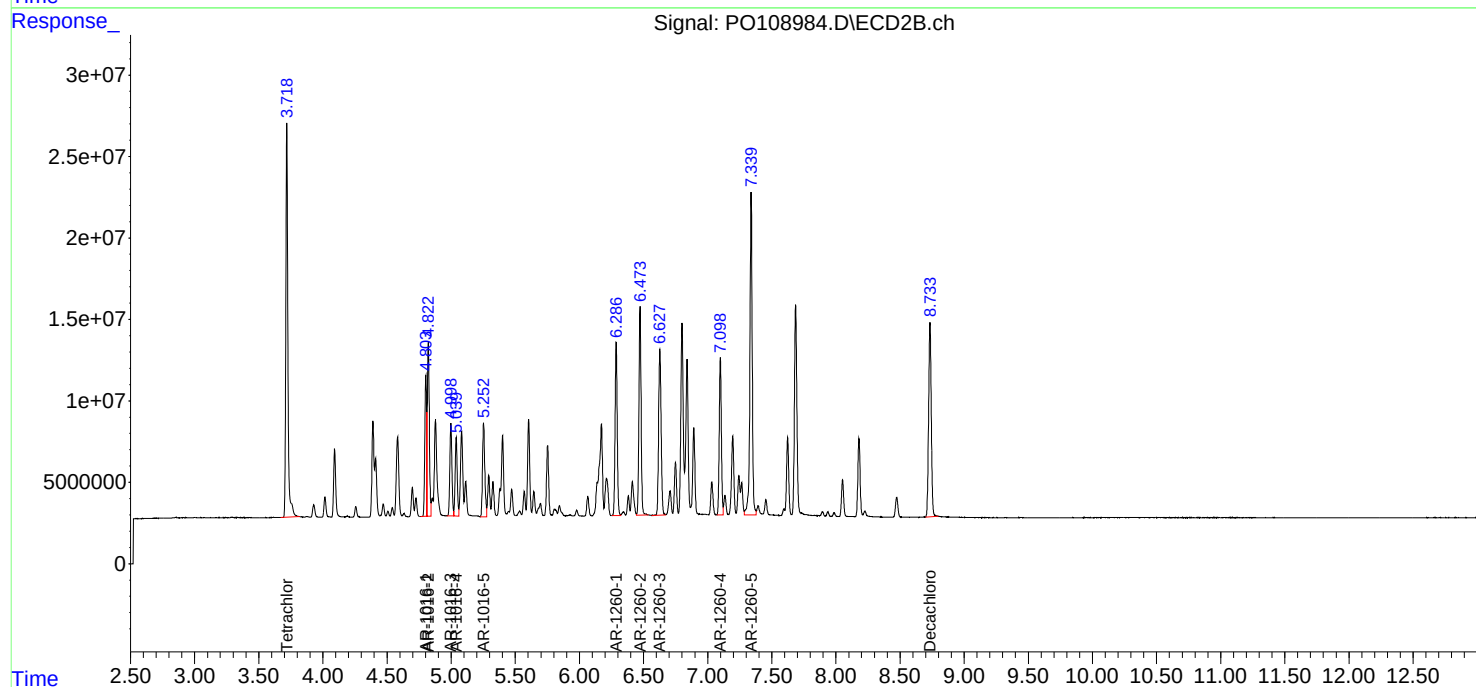
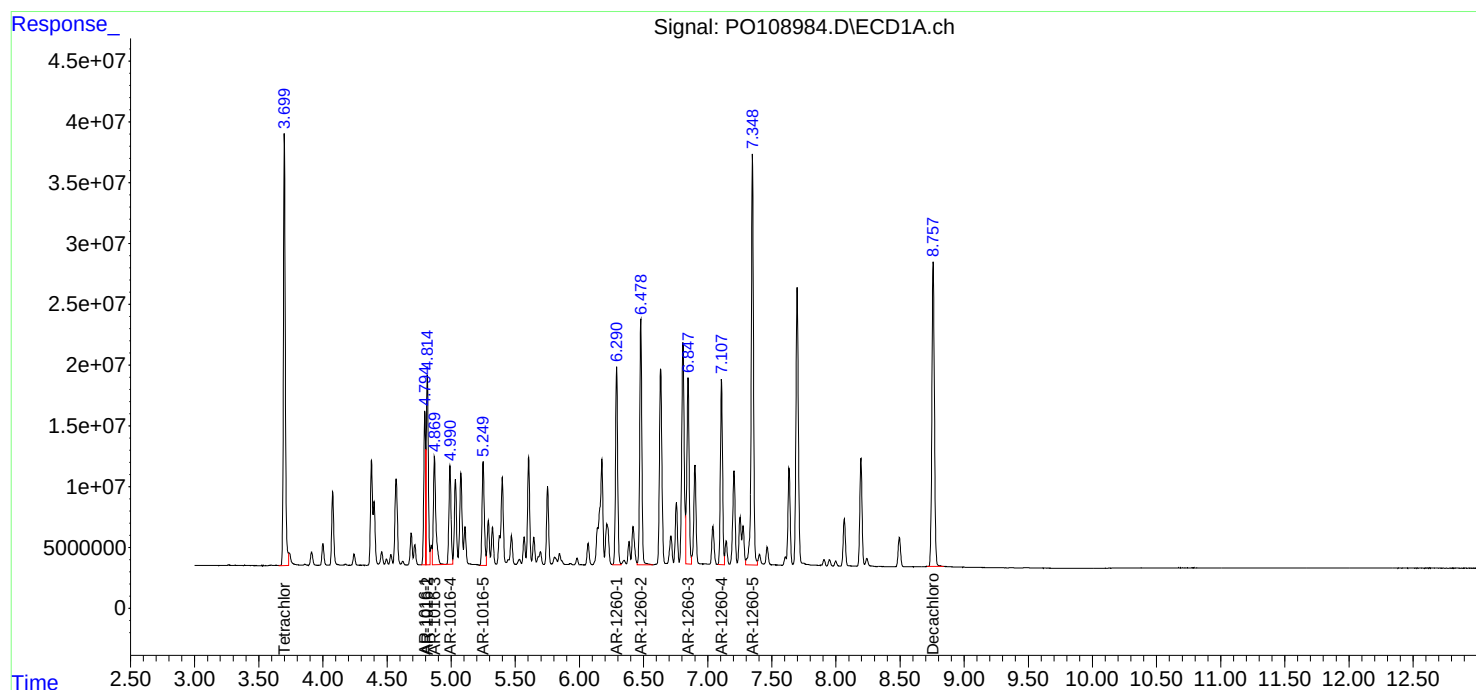
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

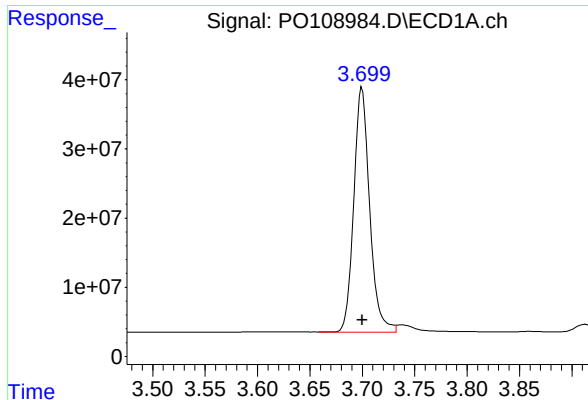
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 18:13
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

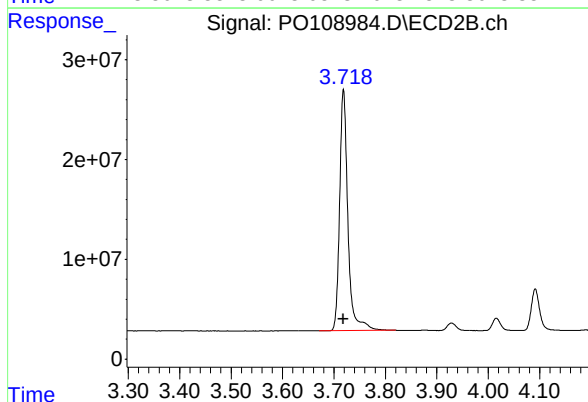




#1 Tetrachloro-m-xylene

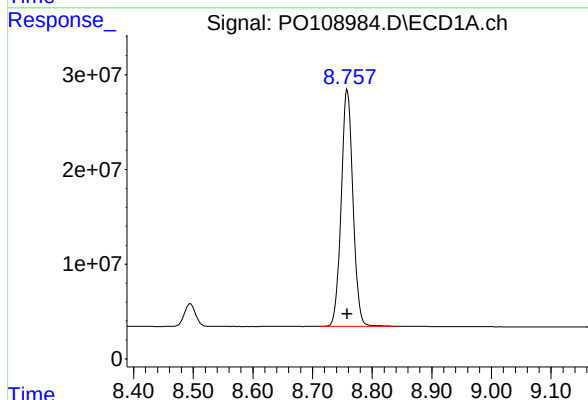
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 374083794
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



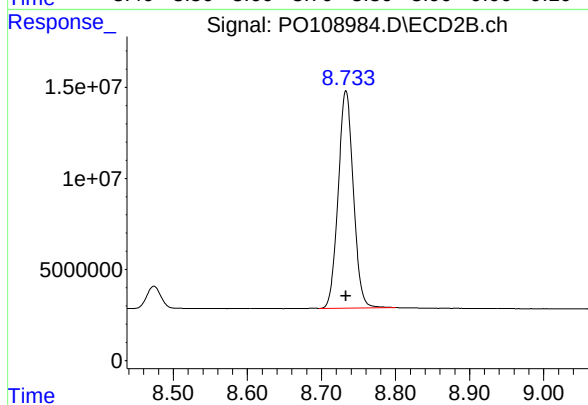
#1 Tetrachloro-m-xylene

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



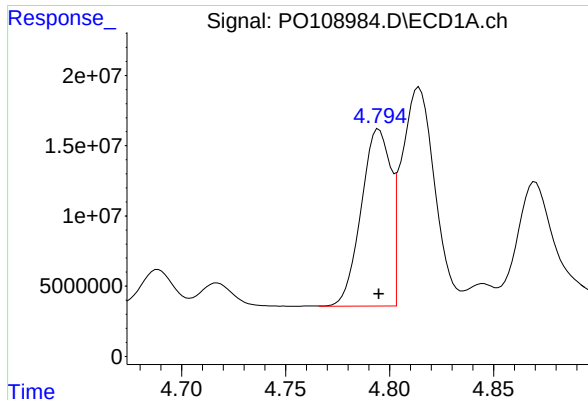
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

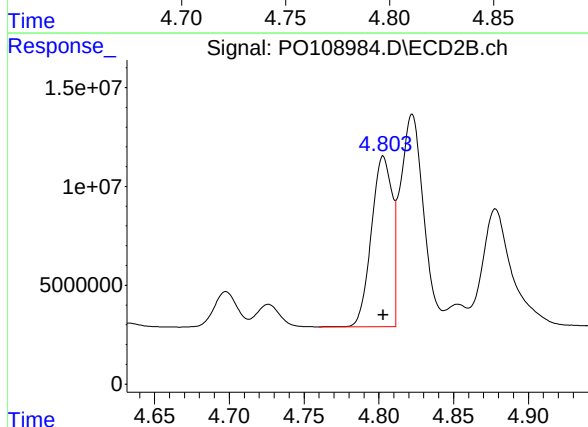
R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 169566604
Conc: 50.00 ng/ml



#3 AR-1016-1

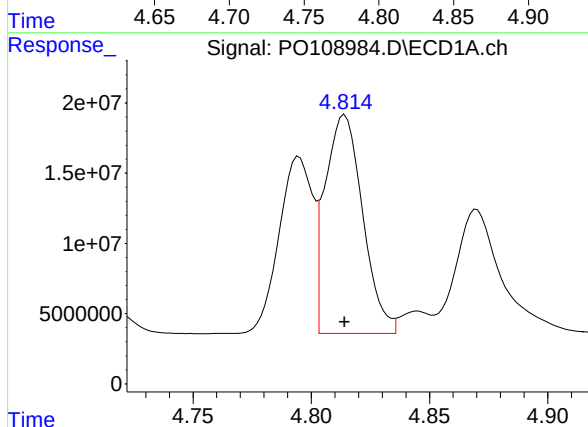
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 124125451
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



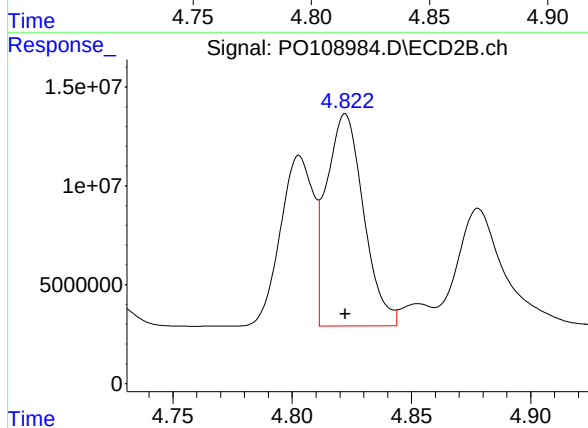
#3 AR-1016-1

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



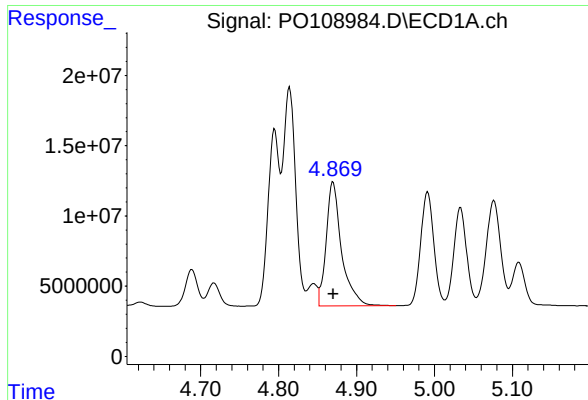
#4 AR-1016-2

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



#4 AR-1016-2

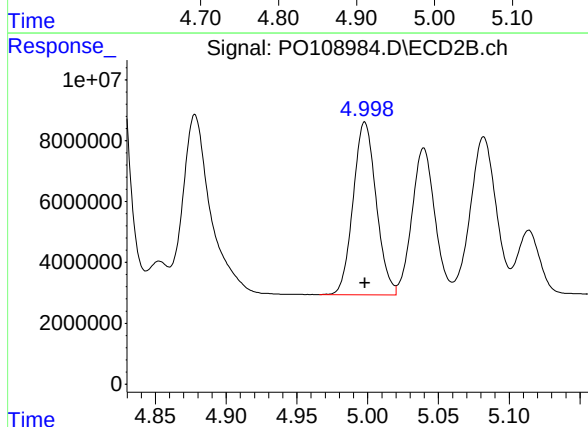
R.T.: 4.822 min
Delta R.T.: 0.000 min
Response: 116061068
Conc: 500.00 ng/ml



#5 AR-1016-3

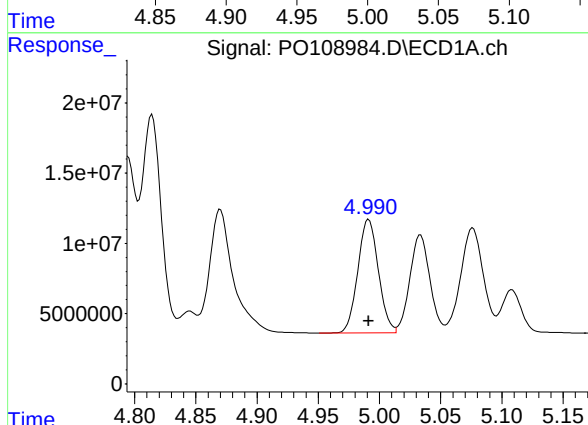
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 120386830
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



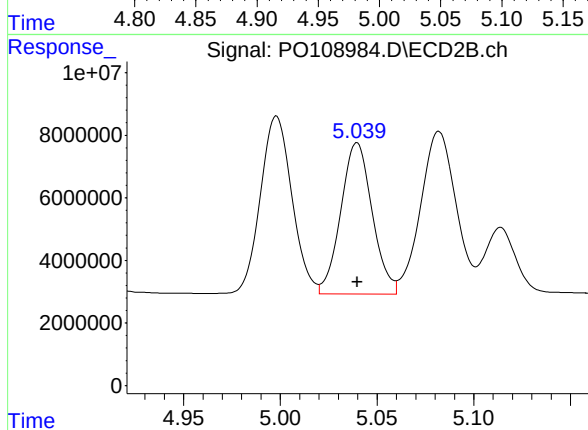
#5 AR-1016-3

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



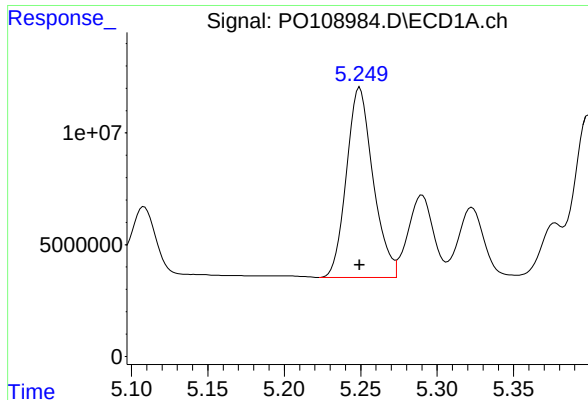
#6 AR-1016-4

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



#6 AR-1016-4

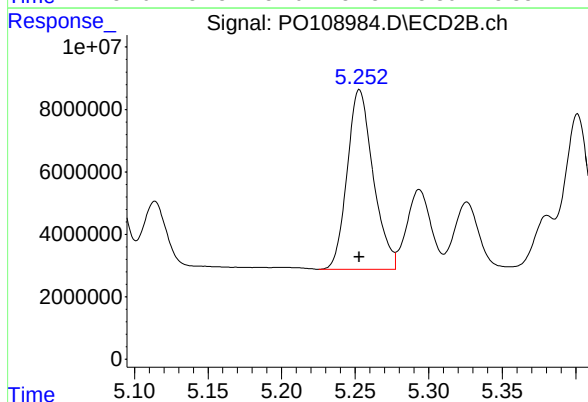
R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 54644720
Conc: 500.00 ng/ml



#7 AR-1016-5

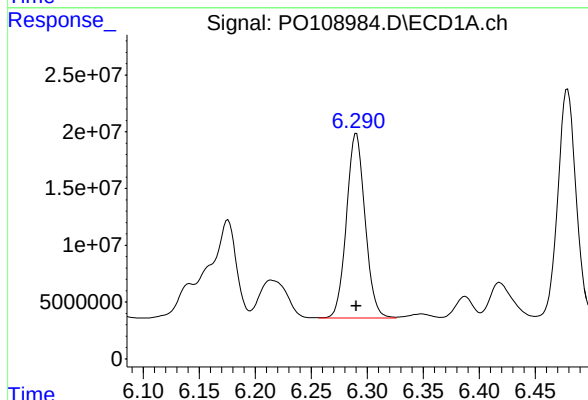
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 103533247
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



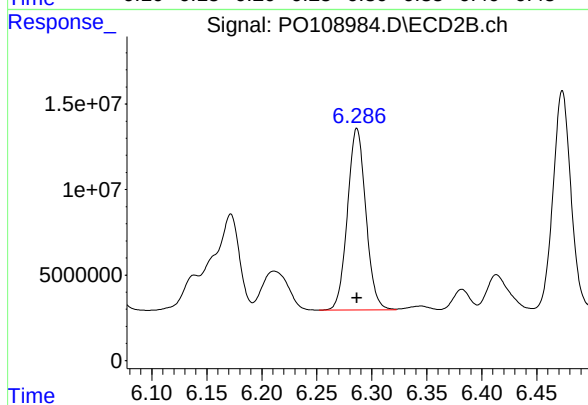
#7 AR-1016-5

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



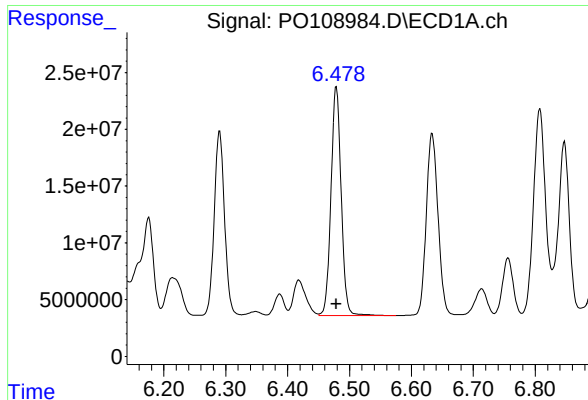
#31 AR-1260-1

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



#31 AR-1260-1

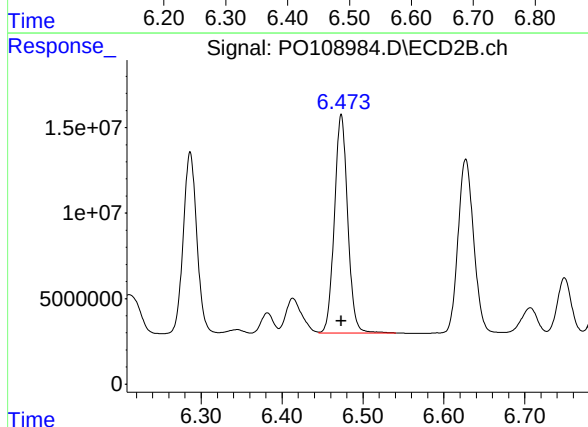
R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 123608992
Conc: 500.00 ng/ml



#32 AR-1260-2

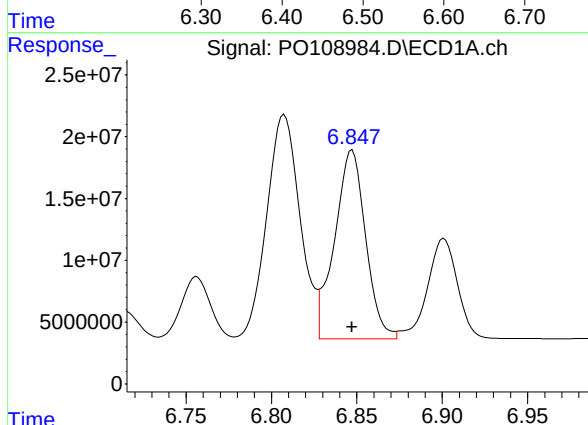
R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 230887473
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



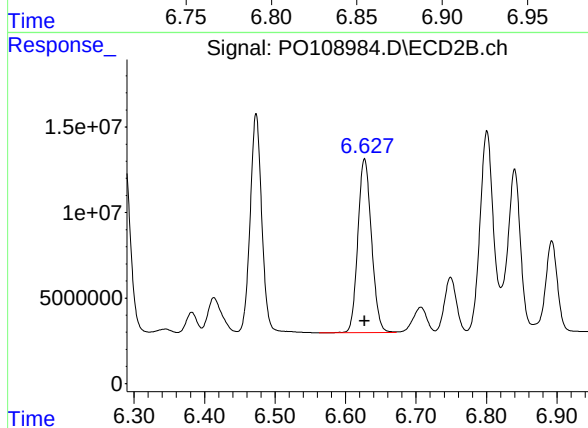
#32 AR-1260-2

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



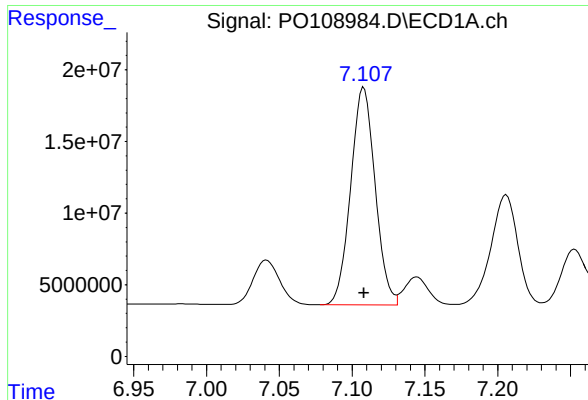
#33 AR-1260-3

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



#33 AR-1260-3

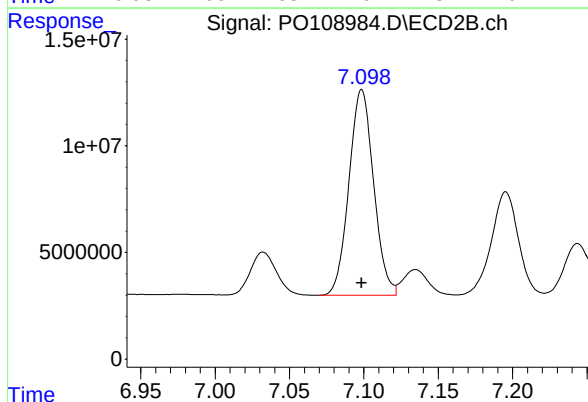
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 136265049
Conc: 500.00 ng/ml



#34 AR-1260-4

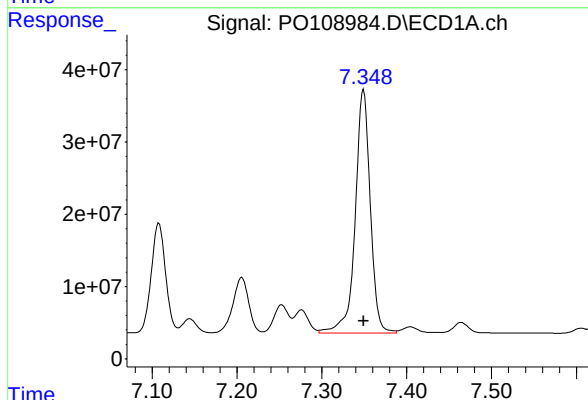
R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 177341834
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



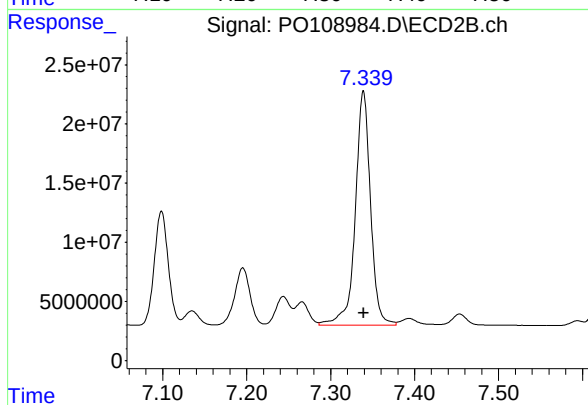
#34 AR-1260-4

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108985.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\P0012125.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.

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

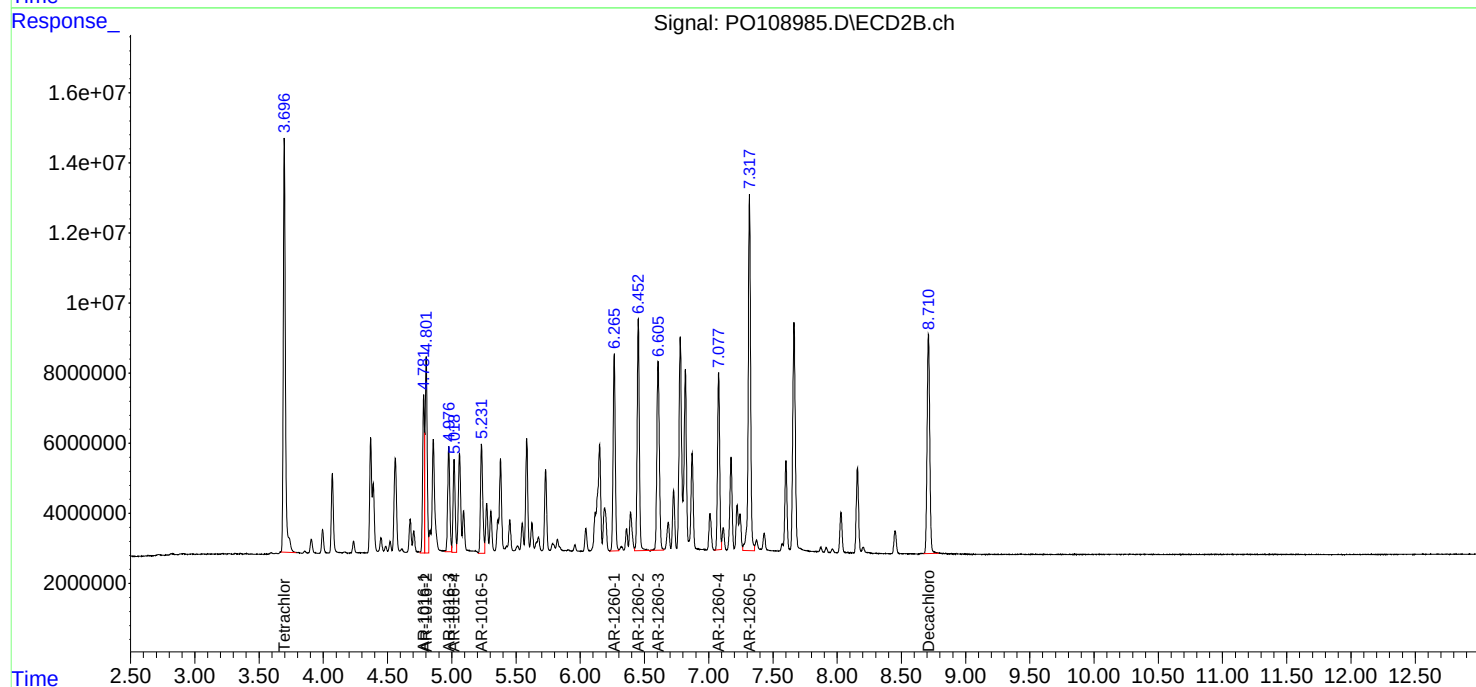
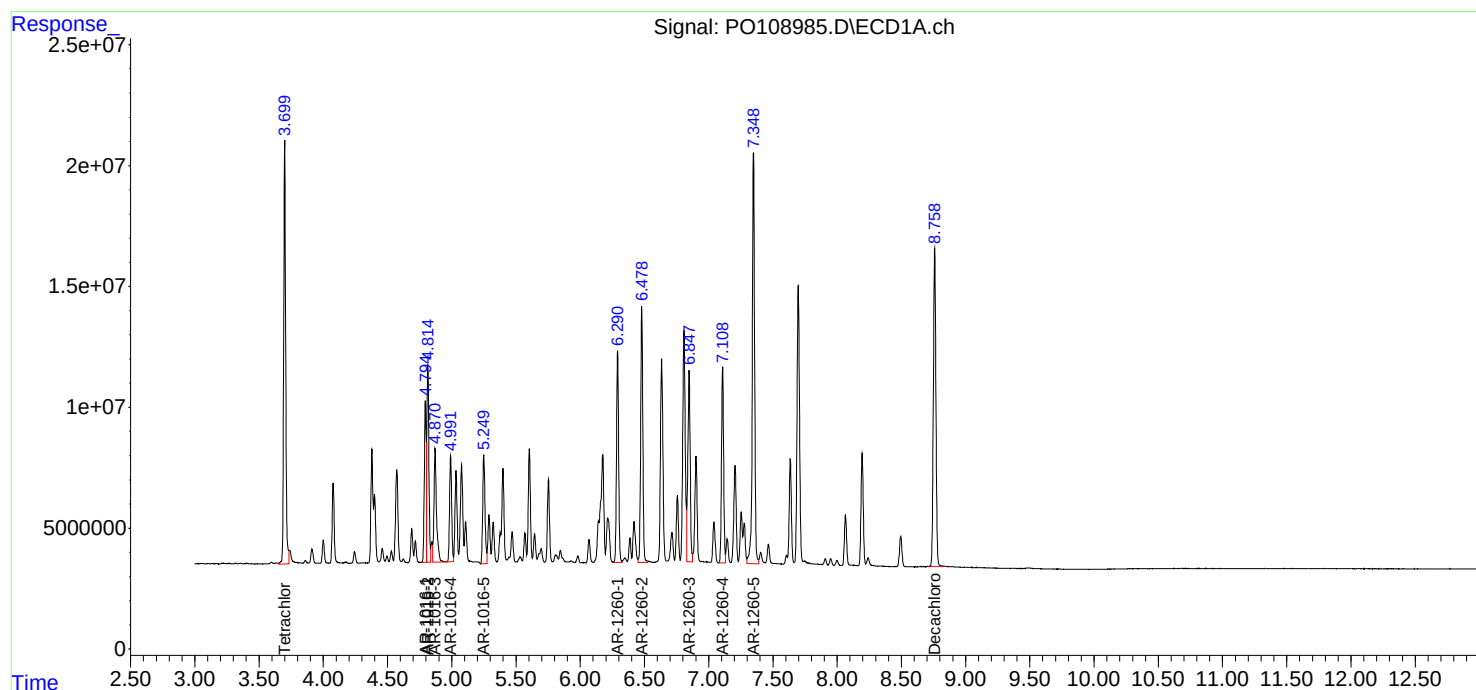
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

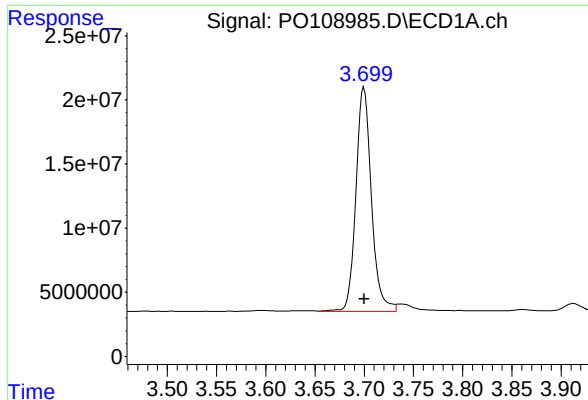
Manual Integrations
APPROVED

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





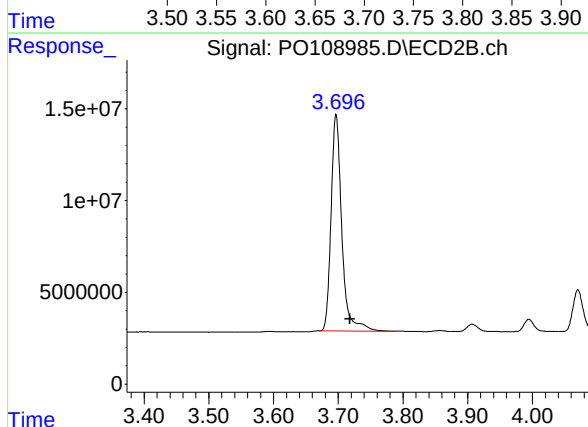
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

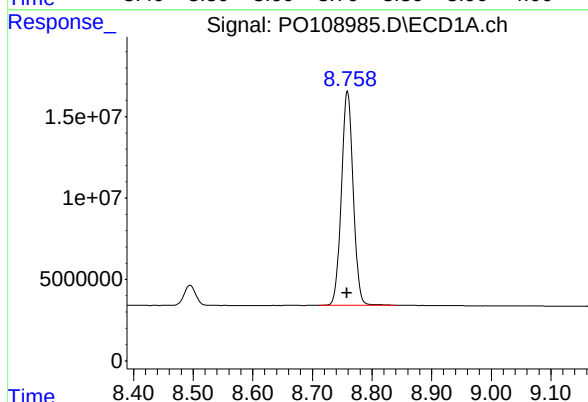
Manual Integrations
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Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



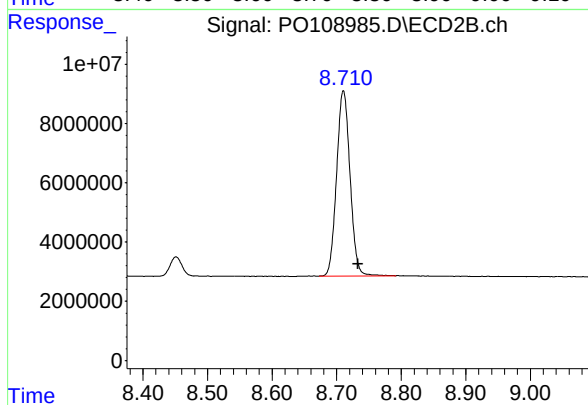
#1 Tetrachloro-m-xylene

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



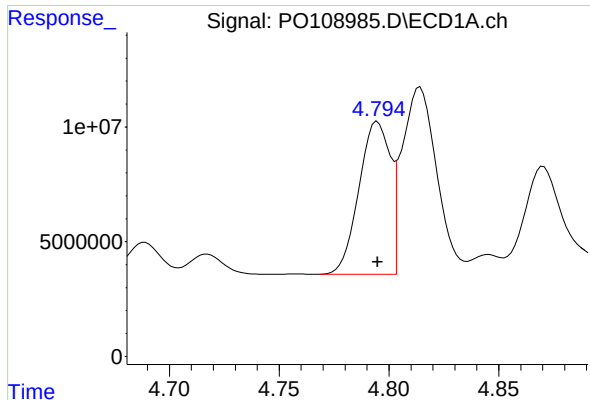
#2 Decachlorobiphenyl

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



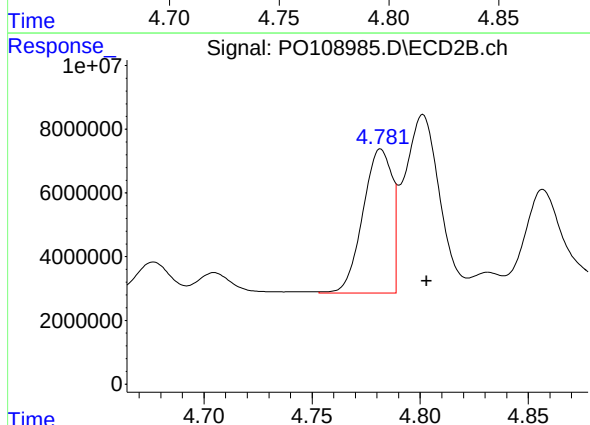
#3 AR-1016-1

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

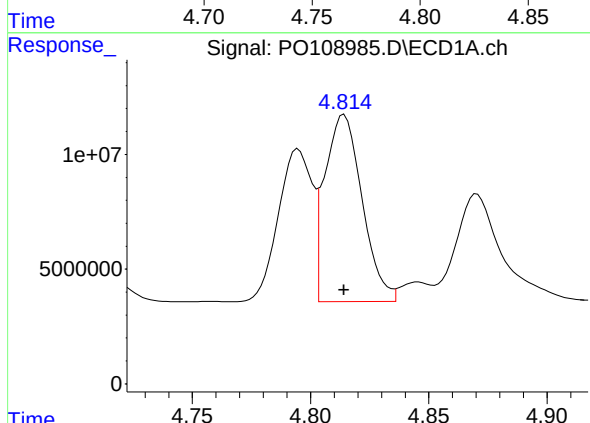
Manual Integrations
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Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



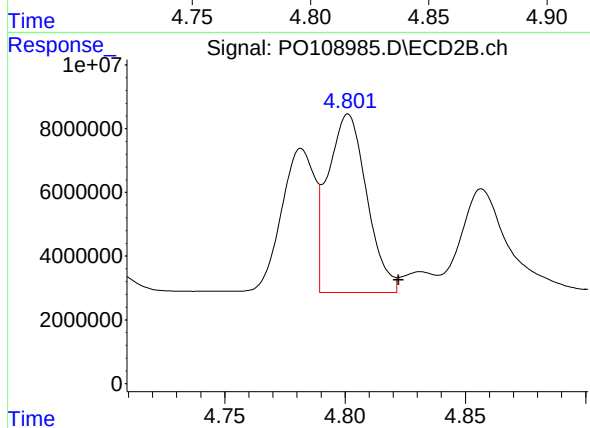
#3 AR-1016-1

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



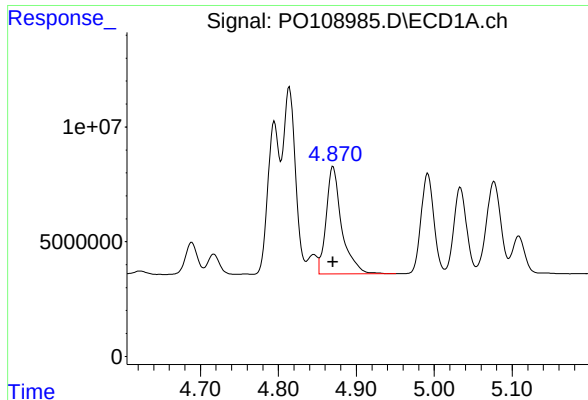
#4 AR-1016-2

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



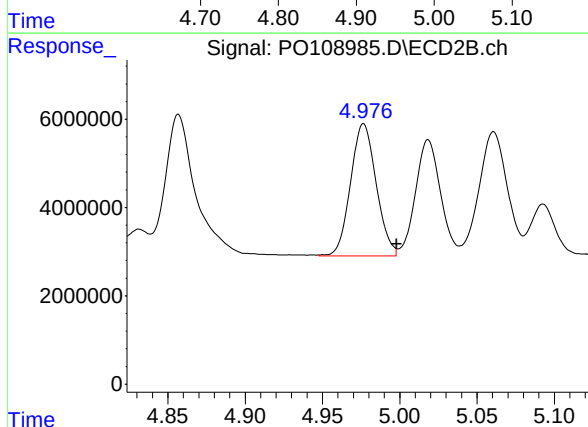
#5 AR-1016-3

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

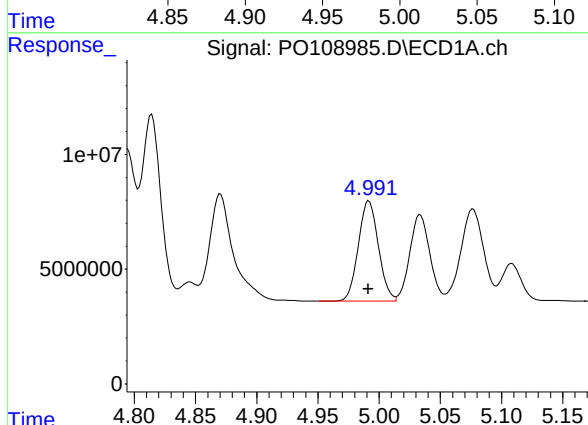
Manual Integrations
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Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



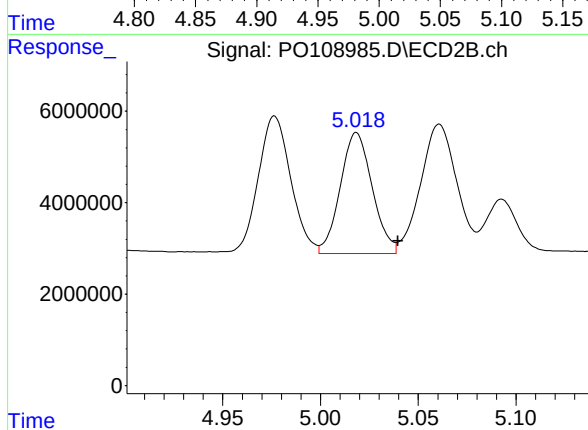
#5 AR-1016-3

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



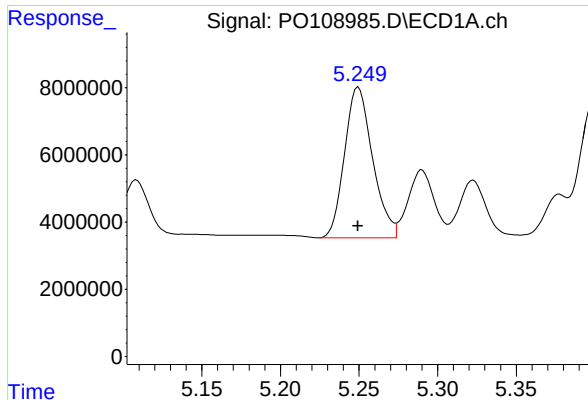
#6 AR-1016-4

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



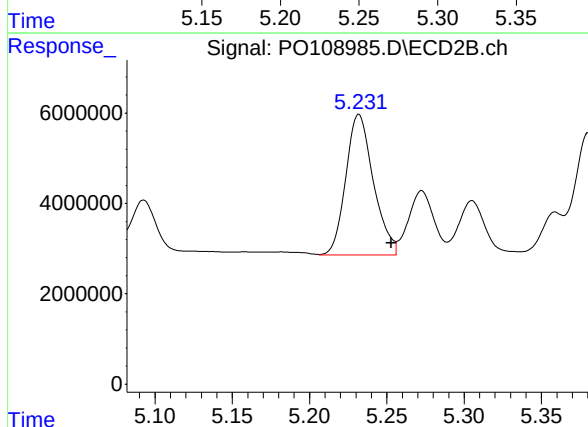
#7 AR-1016-5

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

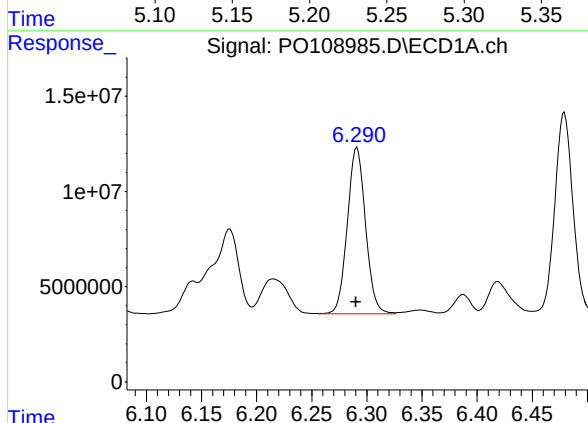
Manual Integrations
APPROVED

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



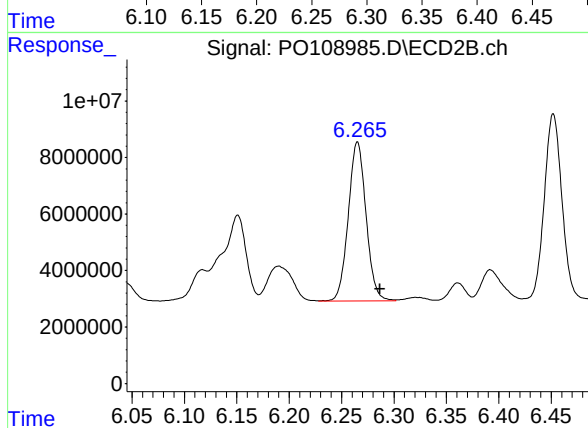
#7 AR-1016-5

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



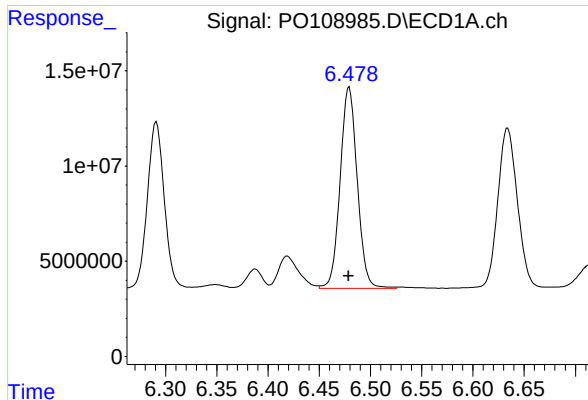
#31 AR-1260-1

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



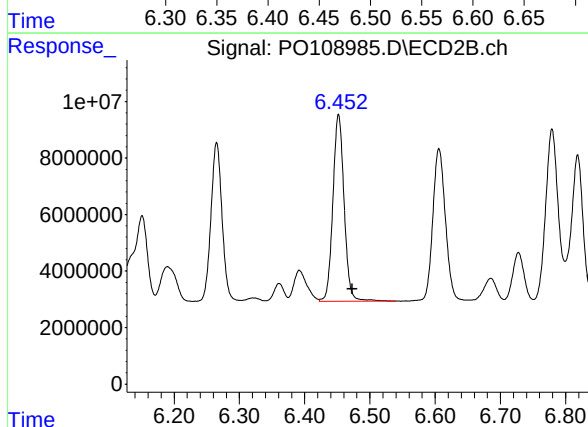
#32 AR-1260-2

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

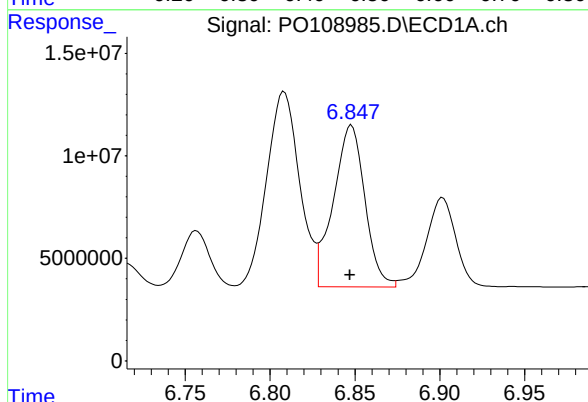
Manual Integrations
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Reviewed By :Yogesh Patel 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



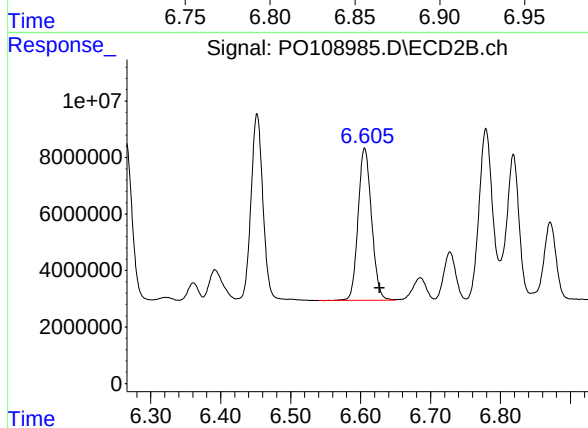
#32 AR-1260-2

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



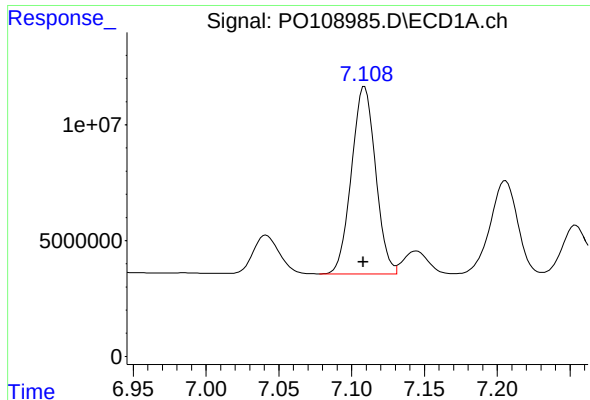
#33 AR-1260-3

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



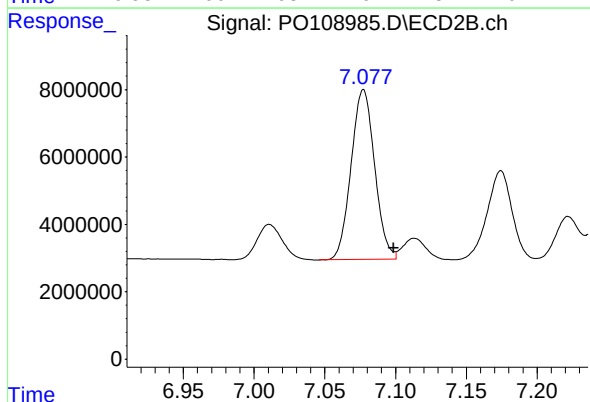
#34 AR-1260-4

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

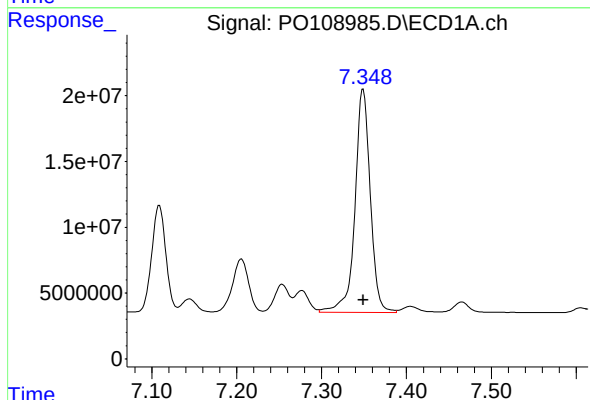
Manual Integrations
APPROVED

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



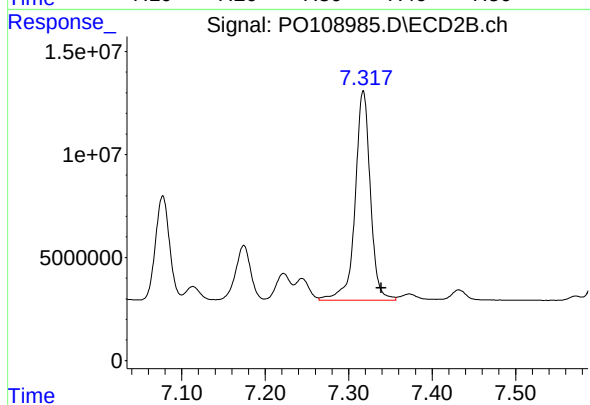
#34 AR-1260-4

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



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108986.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\P0012125.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.

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

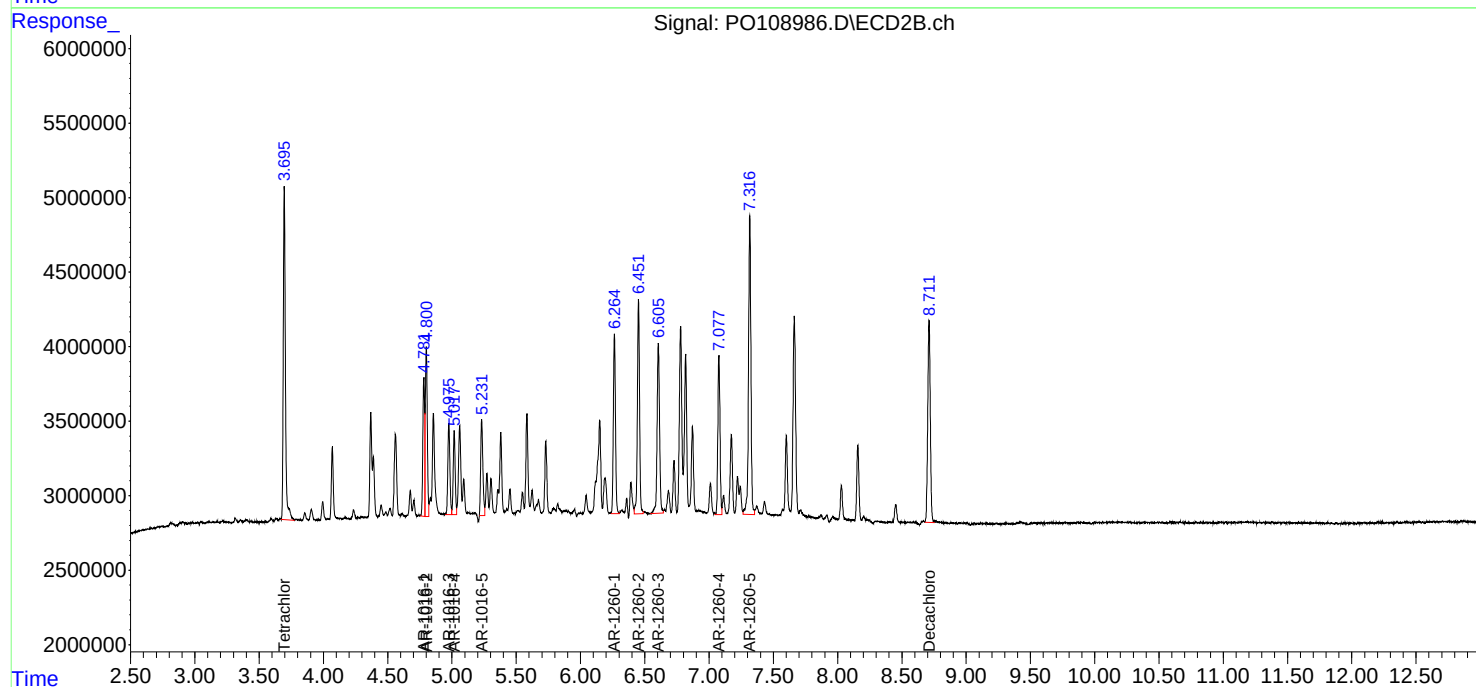
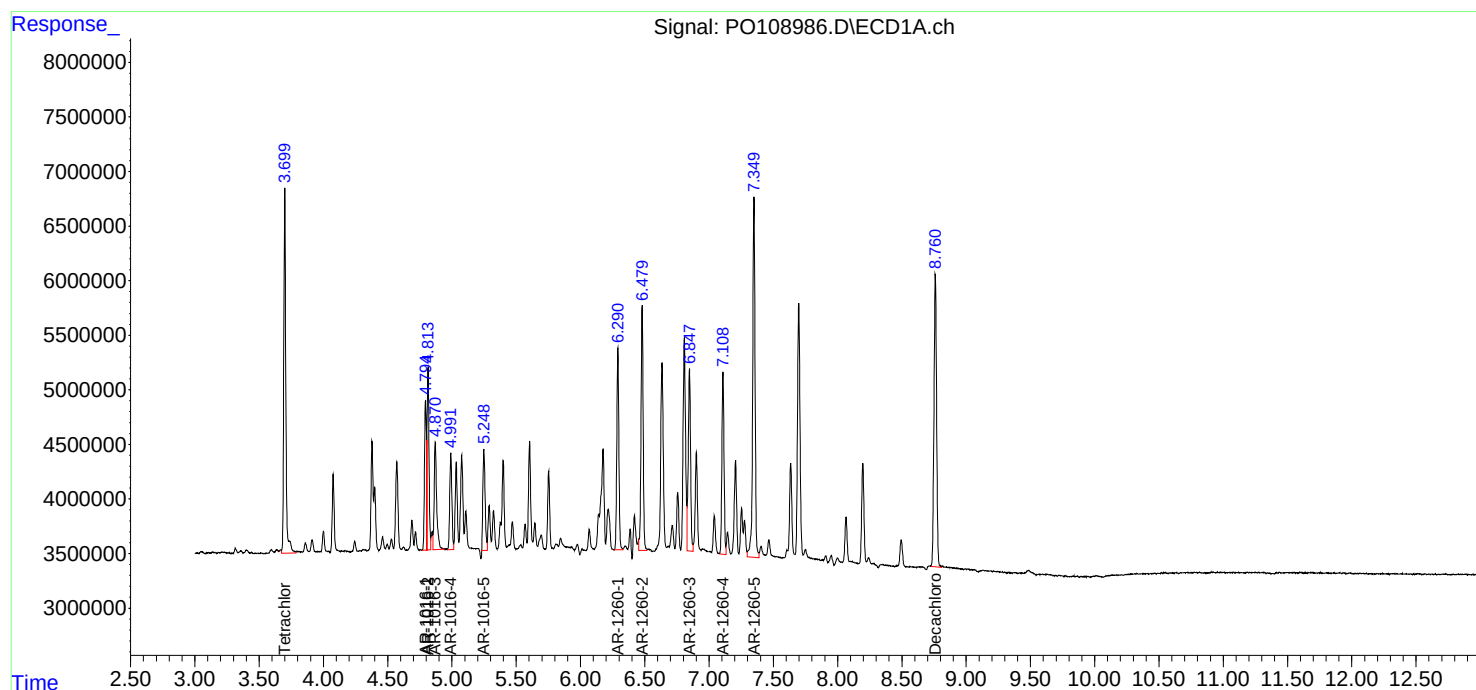
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

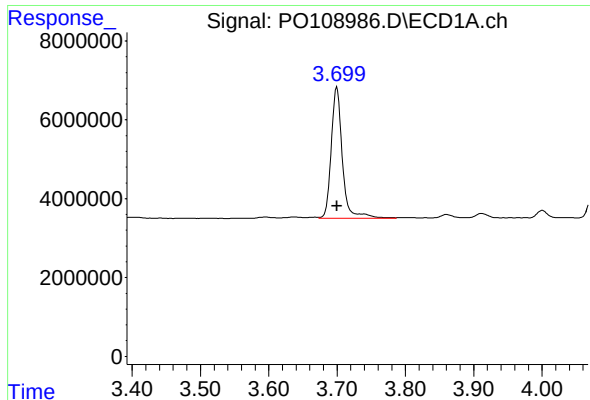
Manual Integrations
APPROVED

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





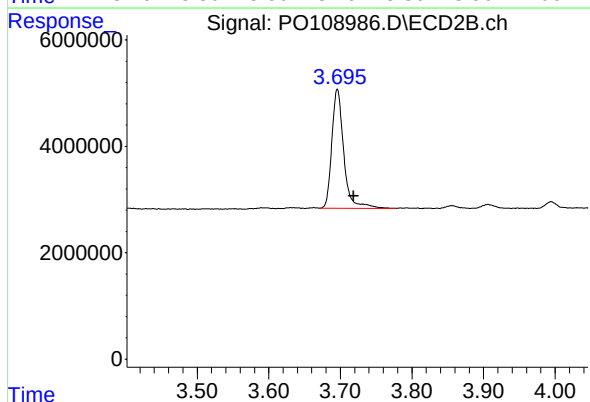
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

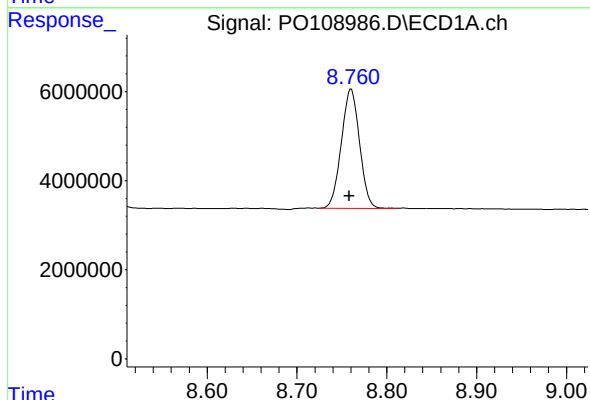
Manual Integrations
APPROVED

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



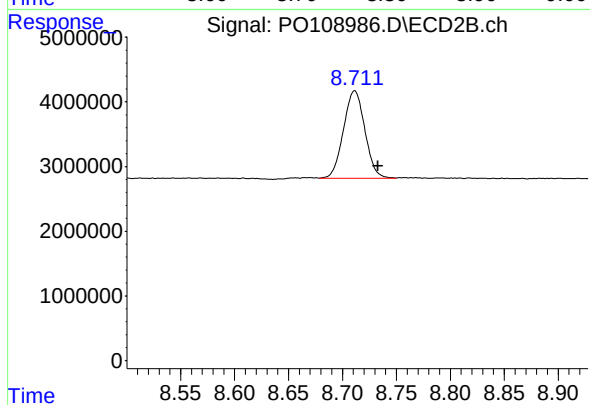
#1 Tetrachloro-m-xylene

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



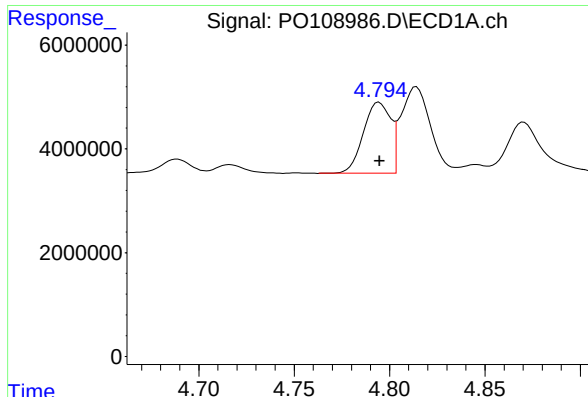
#2 Decachlorobiphenyl

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



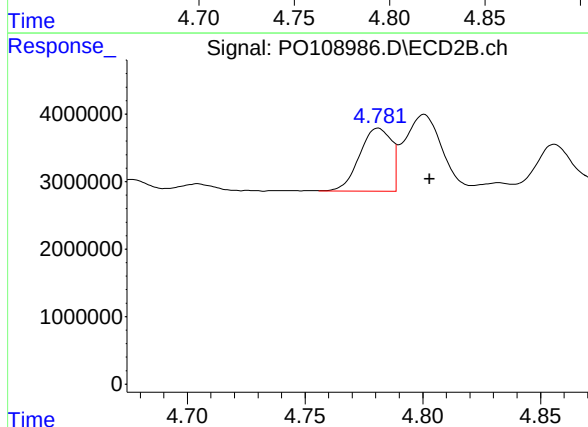
#3 AR-1016-1

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

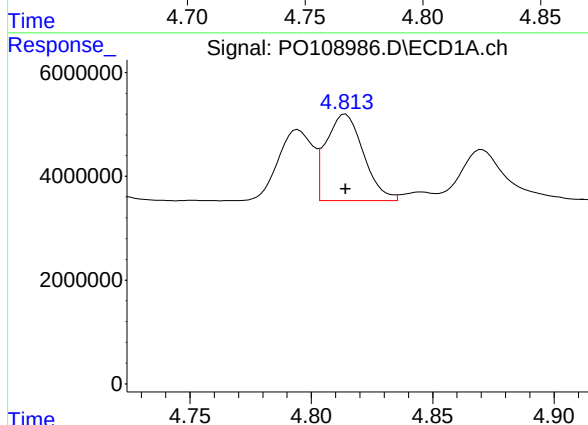
Manual Integrations
APPROVED

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



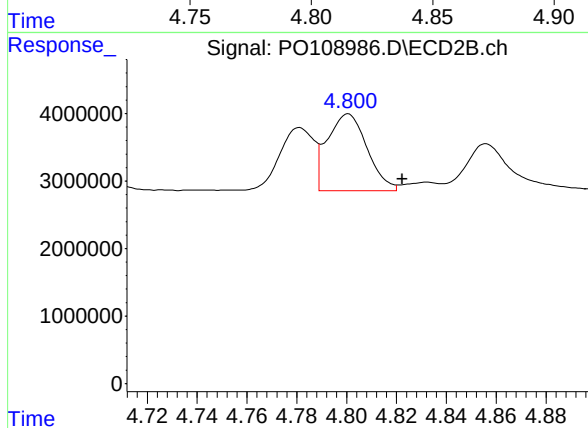
#3 AR-1016-1

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



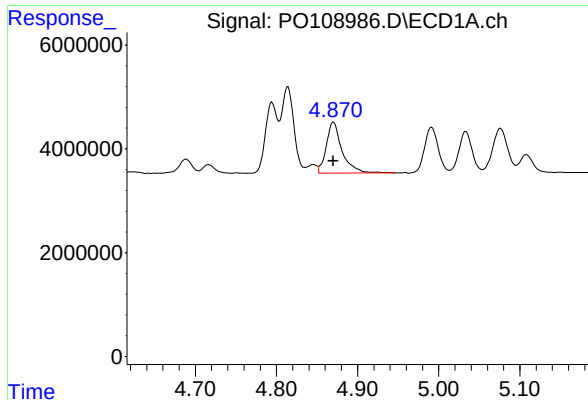
#4 AR-1016-2

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



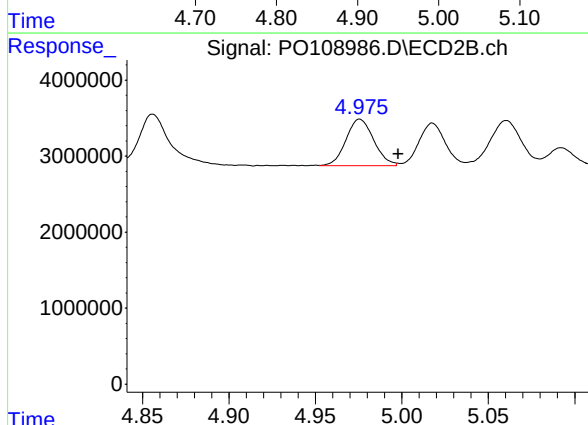
#5 AR-1016-3

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

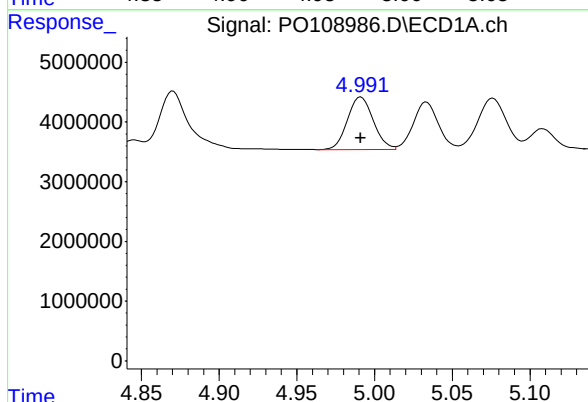
Manual Integrations
APPROVED

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



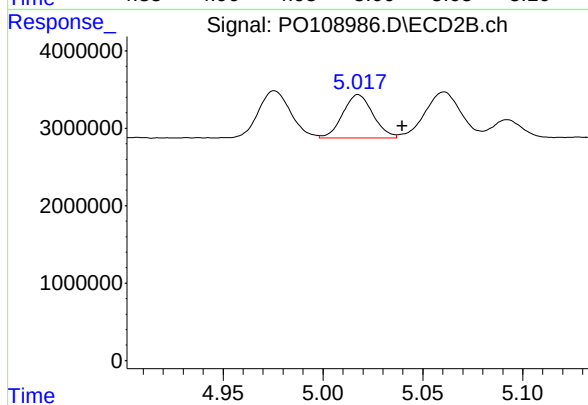
#5 AR-1016-3

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



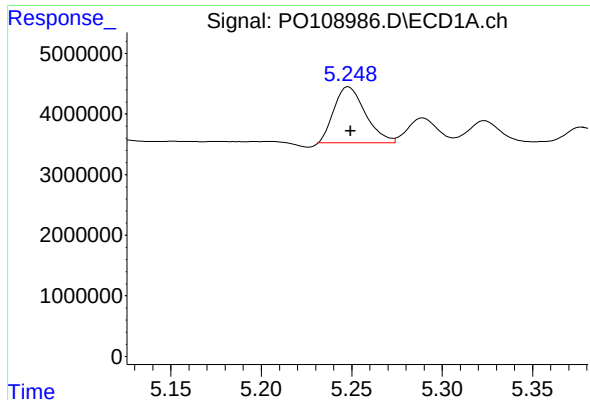
#6 AR-1016-4

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



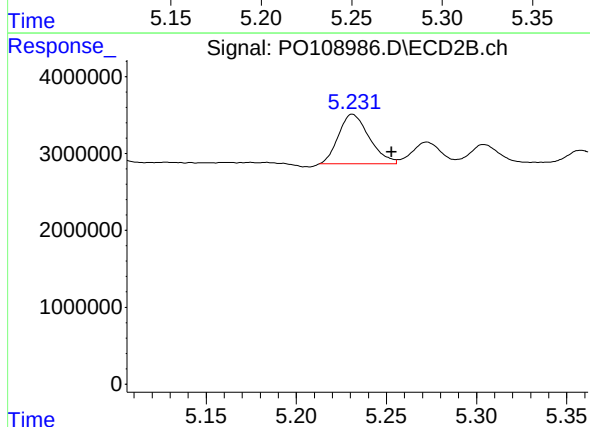
#7 AR-1016-5

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

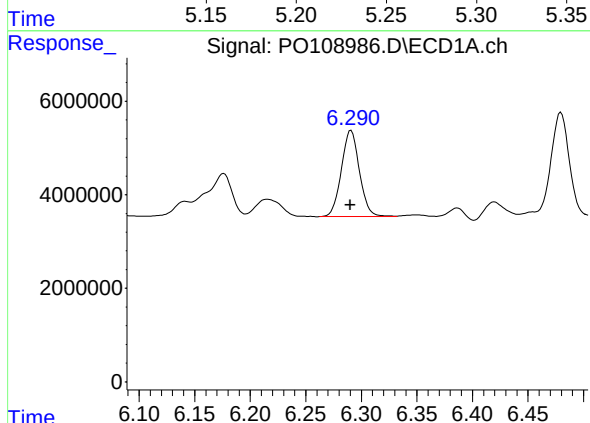
Manual Integrations
APPROVED

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



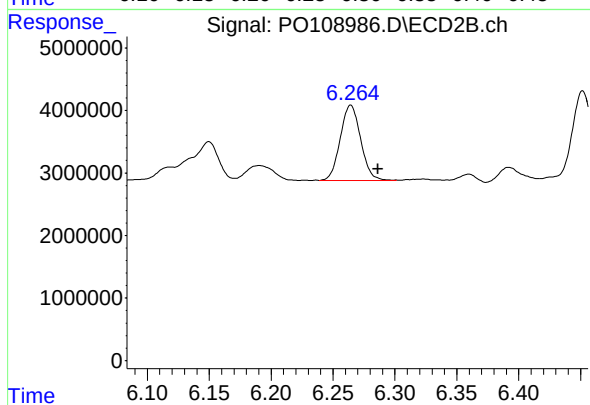
#7 AR-1016-5

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



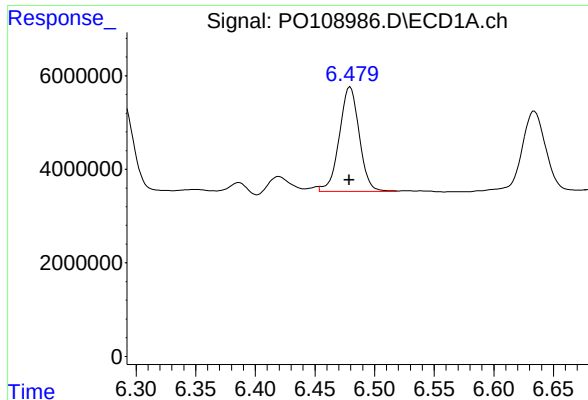
#31 AR-1260-1

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



#31 AR-1260-1

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



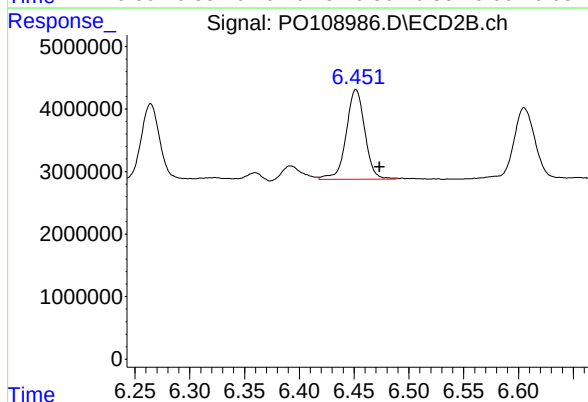
#32 AR-1260-2

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

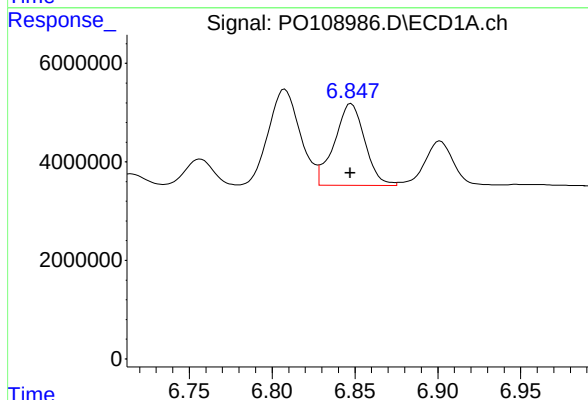
Manual Integrations
APPROVED

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



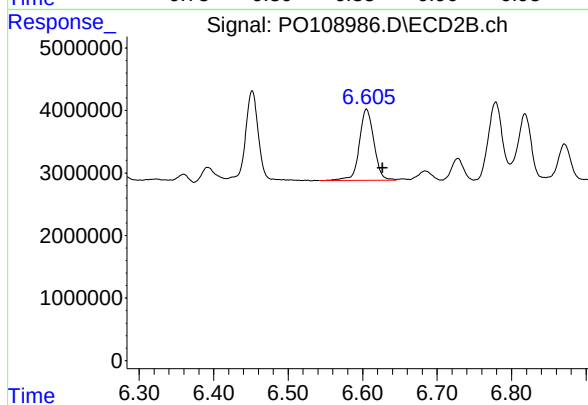
#32 AR-1260-2

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



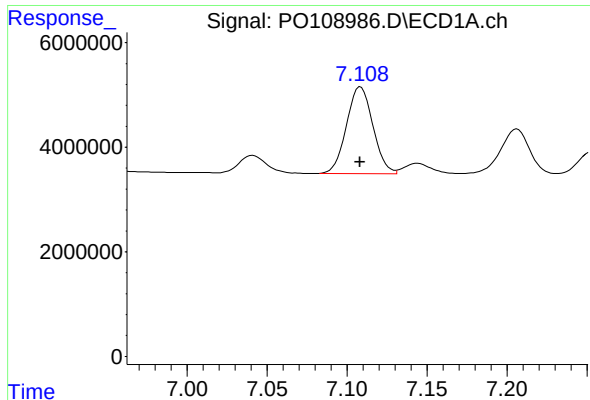
#33 AR-1260-3

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



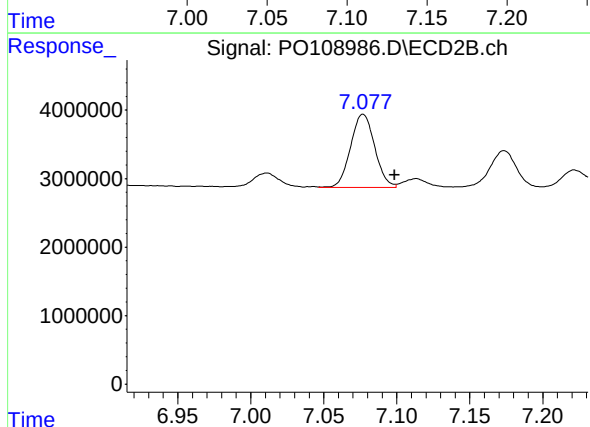
#34 AR-1260-4

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

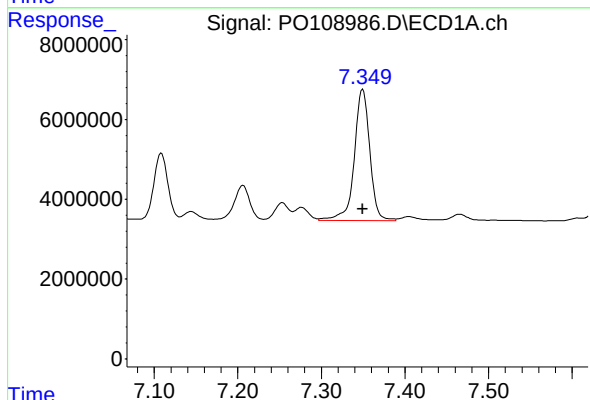
Manual Integrations
APPROVED

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



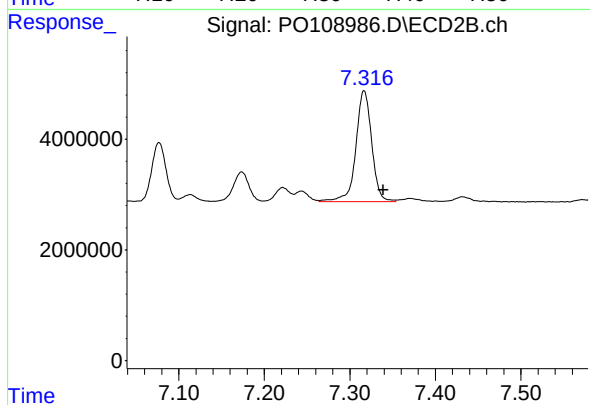
#34 AR-1260-4

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



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108987.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\P0012125.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

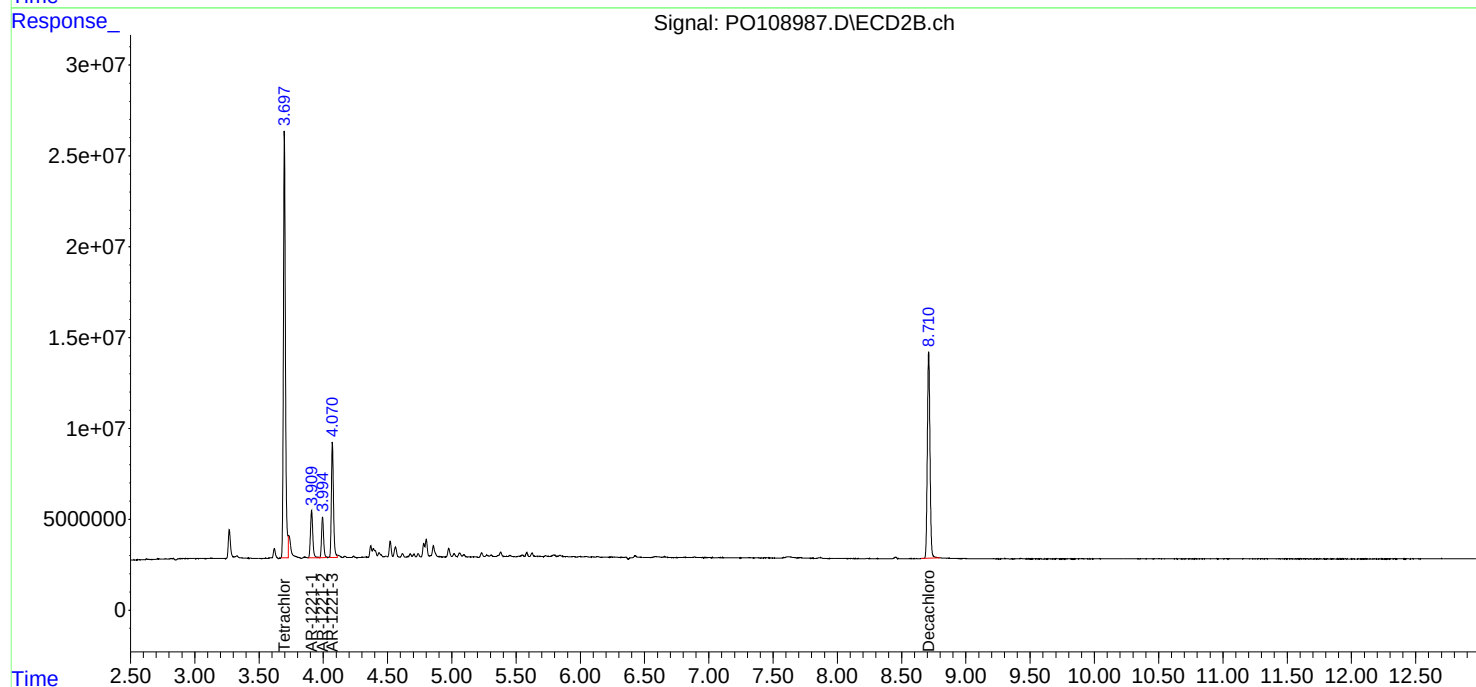
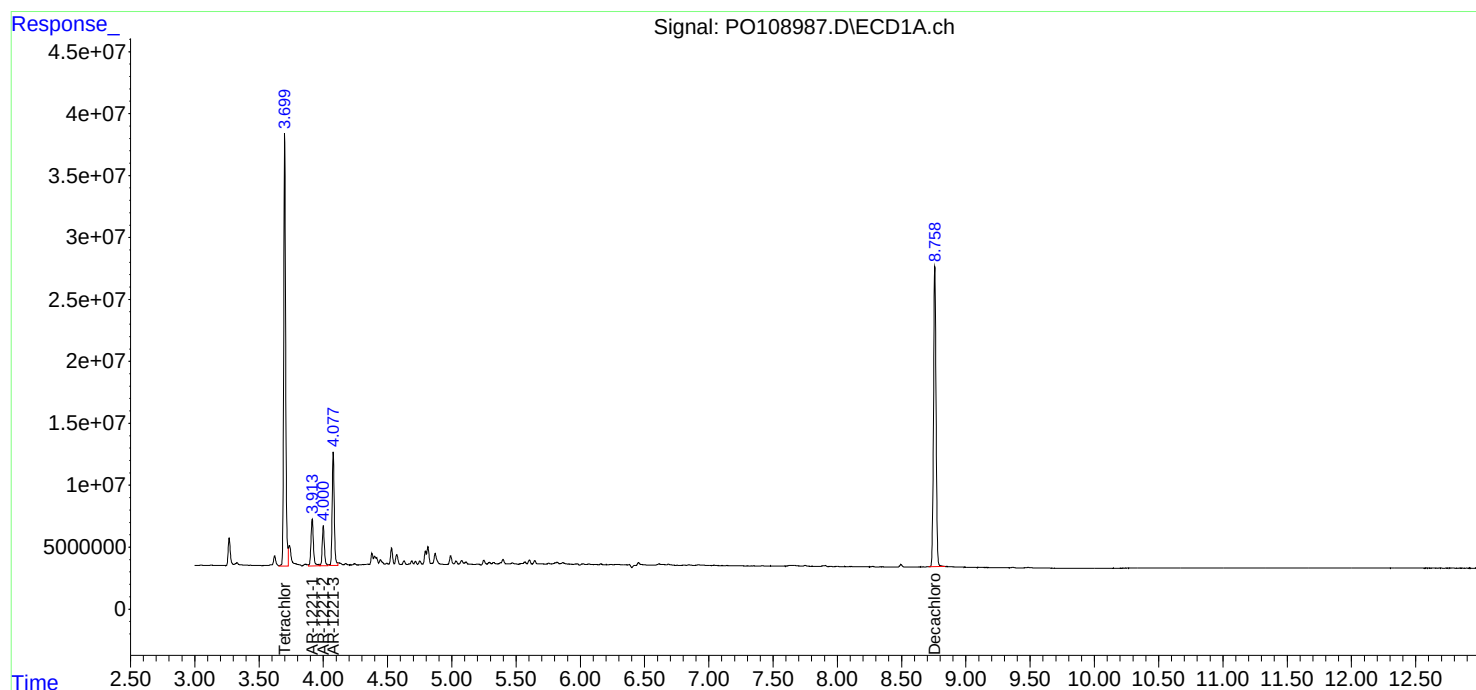
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

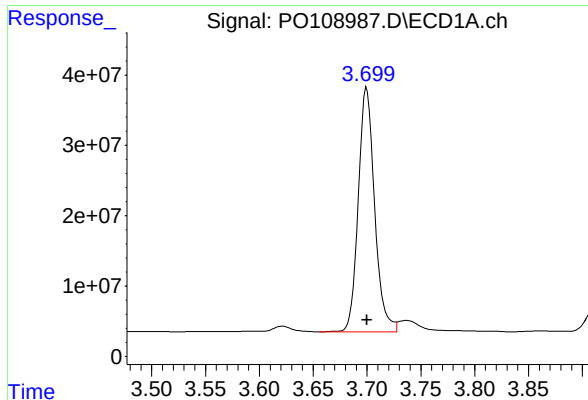
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:07
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

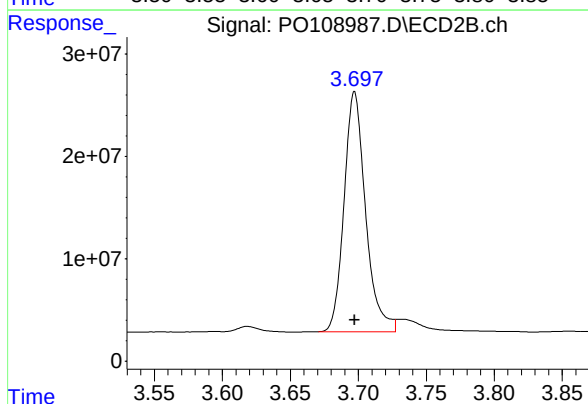




#1 Tetrachloro-m-xylene

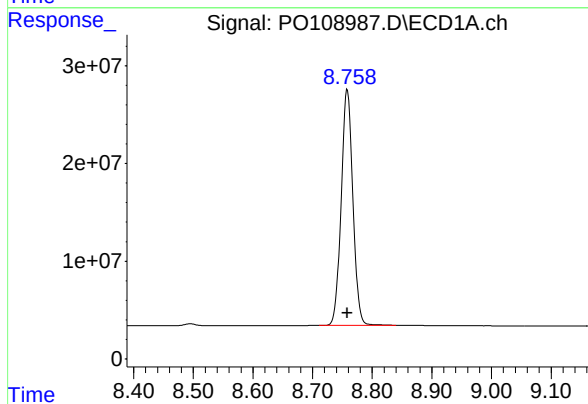
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 367966019
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



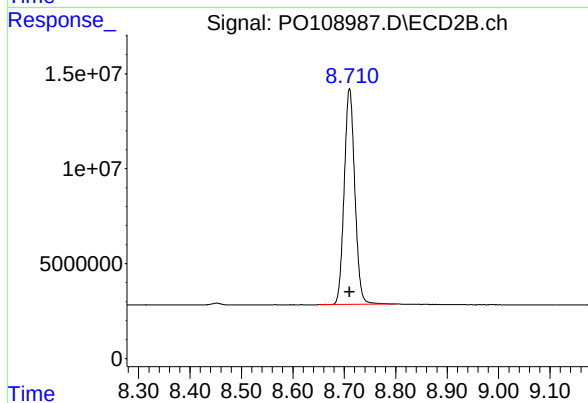
#1 Tetrachloro-m-xylene

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



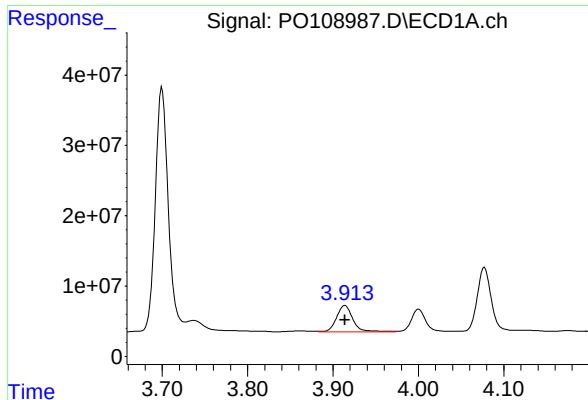
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

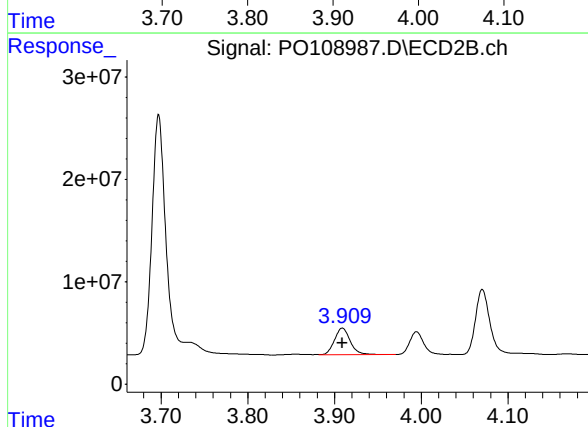
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 163280670
Conc: 50.00 ng/ml



#8 AR-1221-1

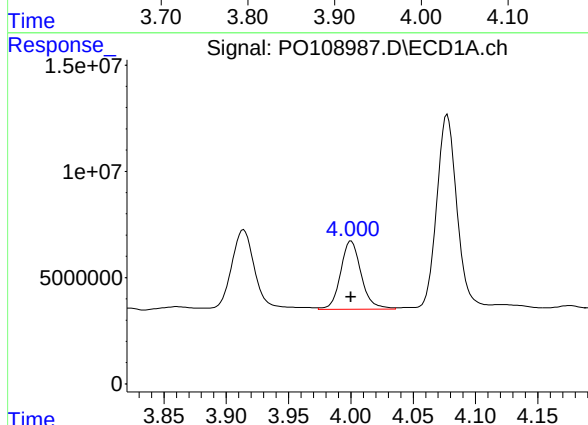
R.T.: 3.914 min
Delta R.T.: 0.000 min
Response: 50050468
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



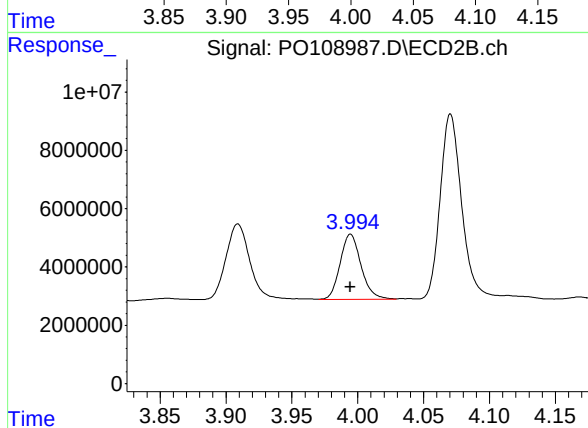
#8 AR-1221-1

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



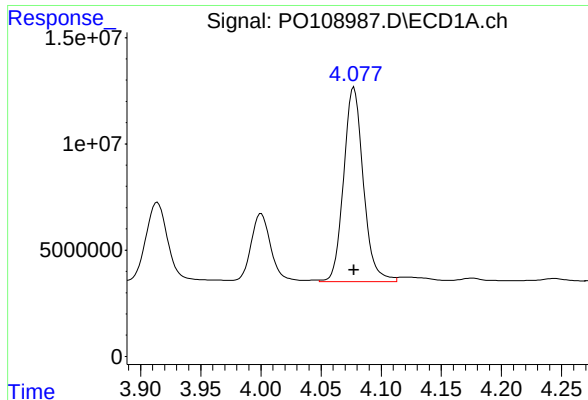
#9 AR-1221-2

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



#9 AR-1221-2

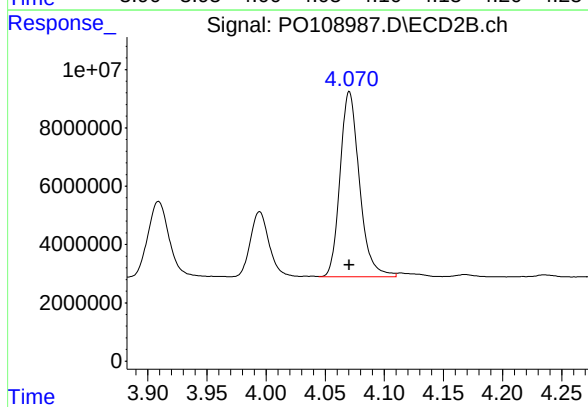
R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 24693836
Conc: 500.00 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108988.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\P0012125.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

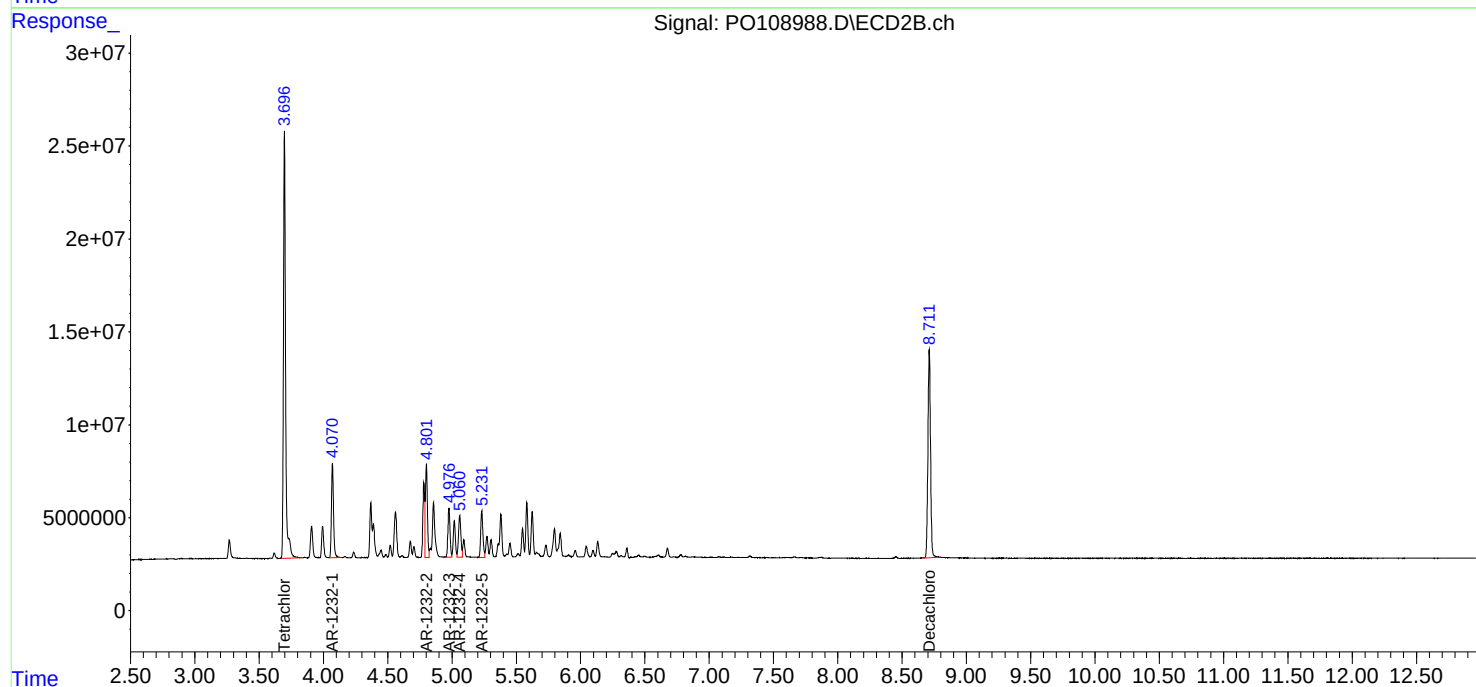
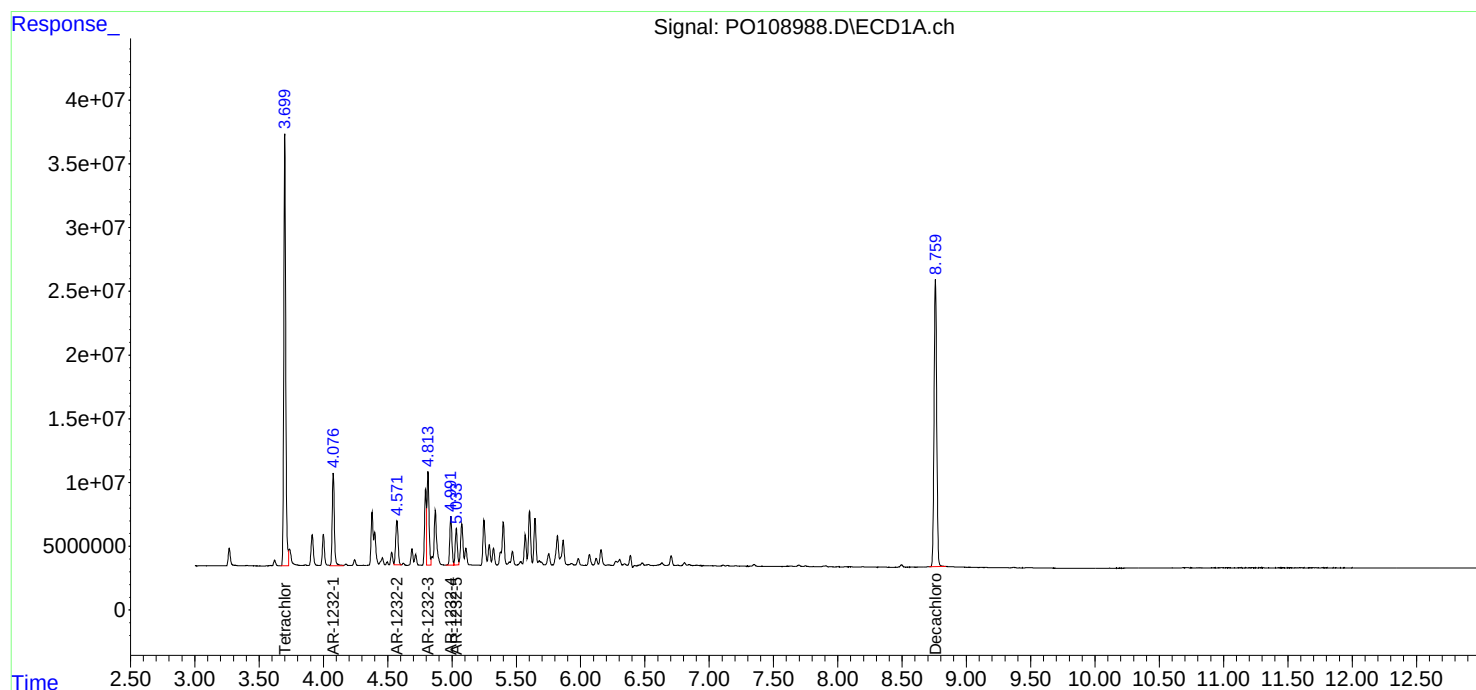
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

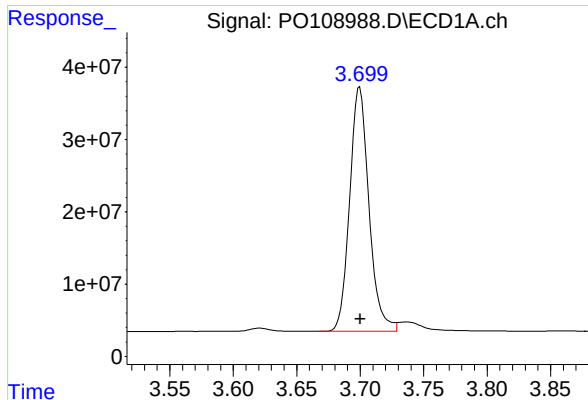
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:26
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

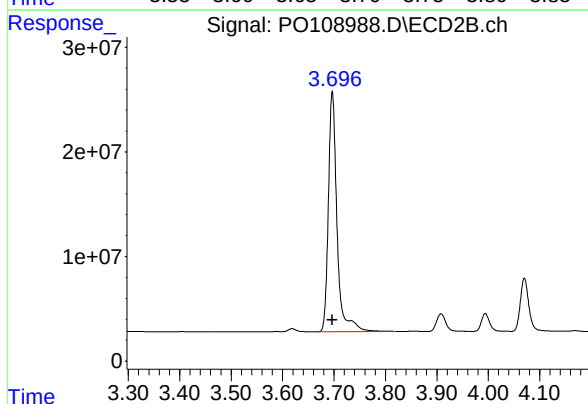




#1 Tetrachloro-m-xylene

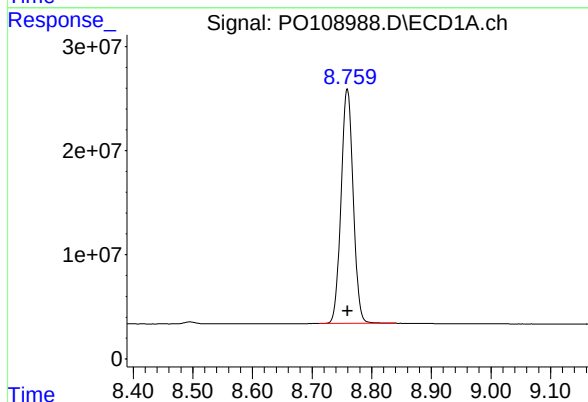
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 357952821
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



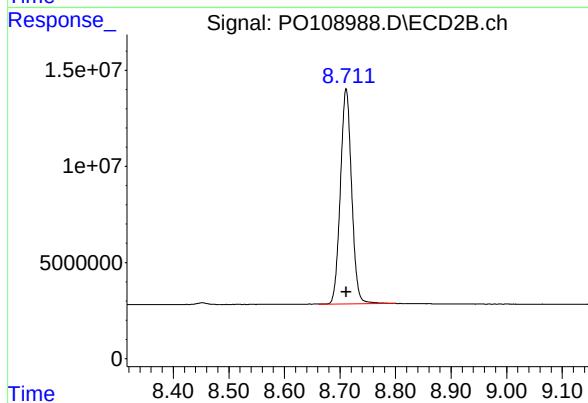
#1 Tetrachloro-m-xylene

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



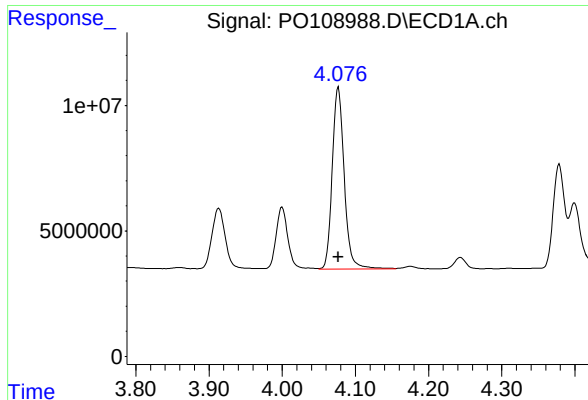
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

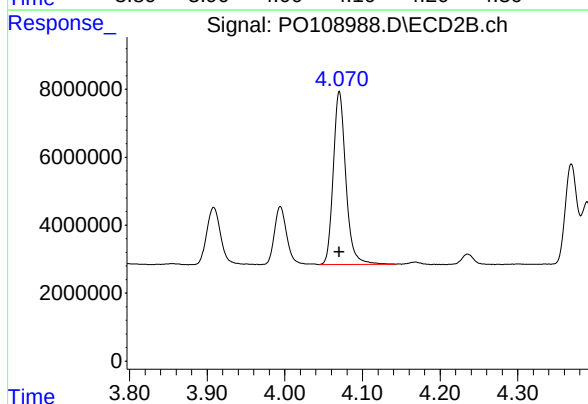
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 157333378
Conc: 50.00 ng/ml



#11 AR-1232-1

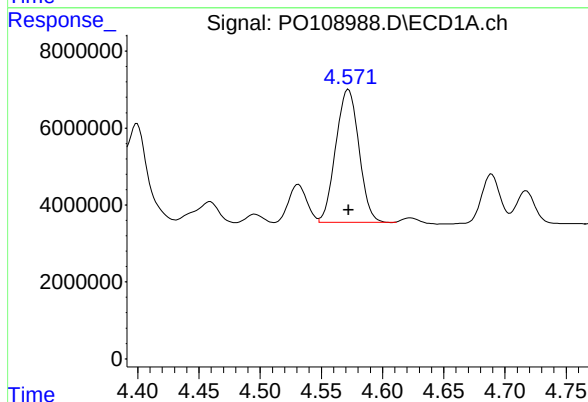
R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 82560827
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



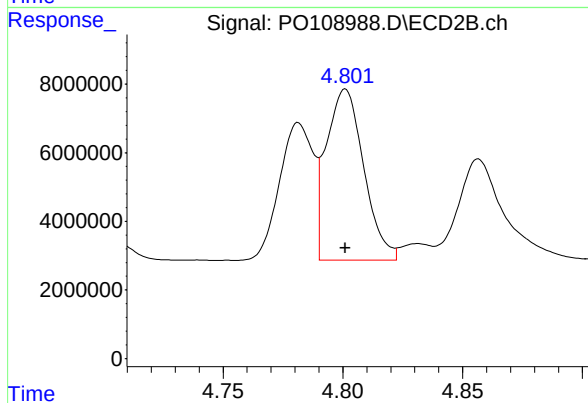
#11 AR-1232-1

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



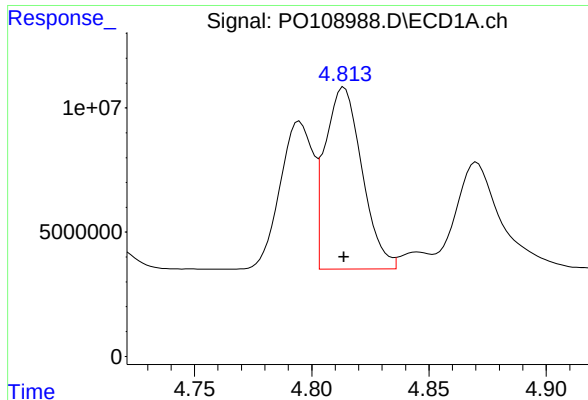
#12 AR-1232-2

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



#12 AR-1232-2

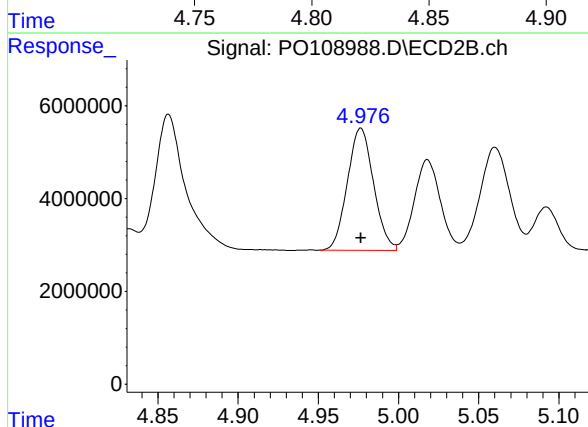
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 54456582
Conc: 500.00 ng/ml



#13 AR-1232-3

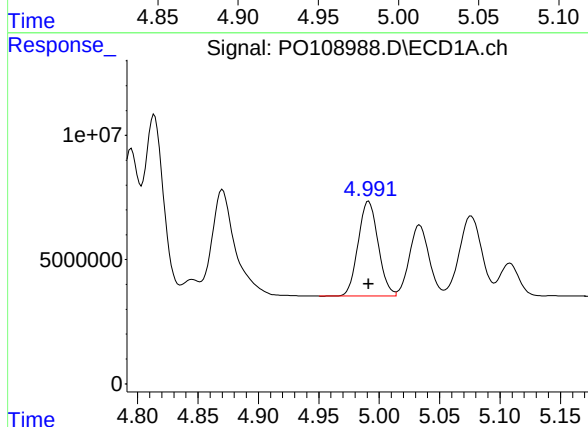
R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 80075889
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



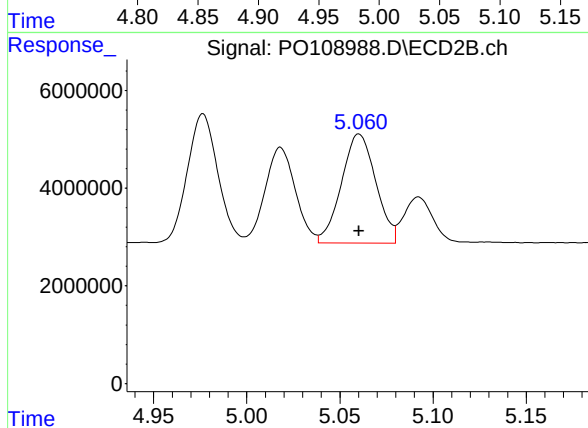
#13 AR-1232-3

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



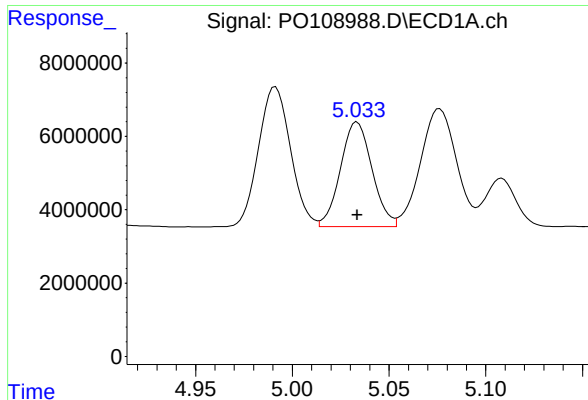
#14 AR-1232-4

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



#14 AR-1232-4

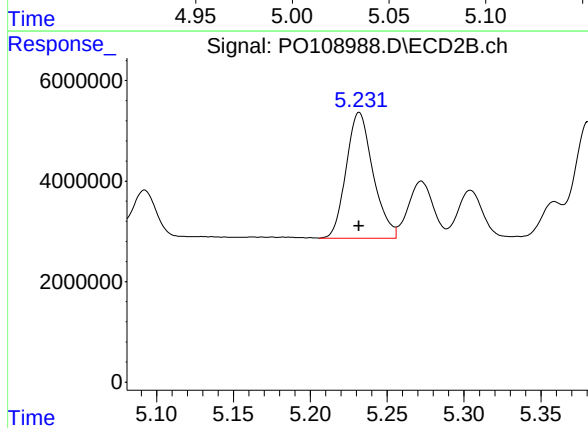
R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 28630970
Conc: 500.00 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108989.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\P0012125.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

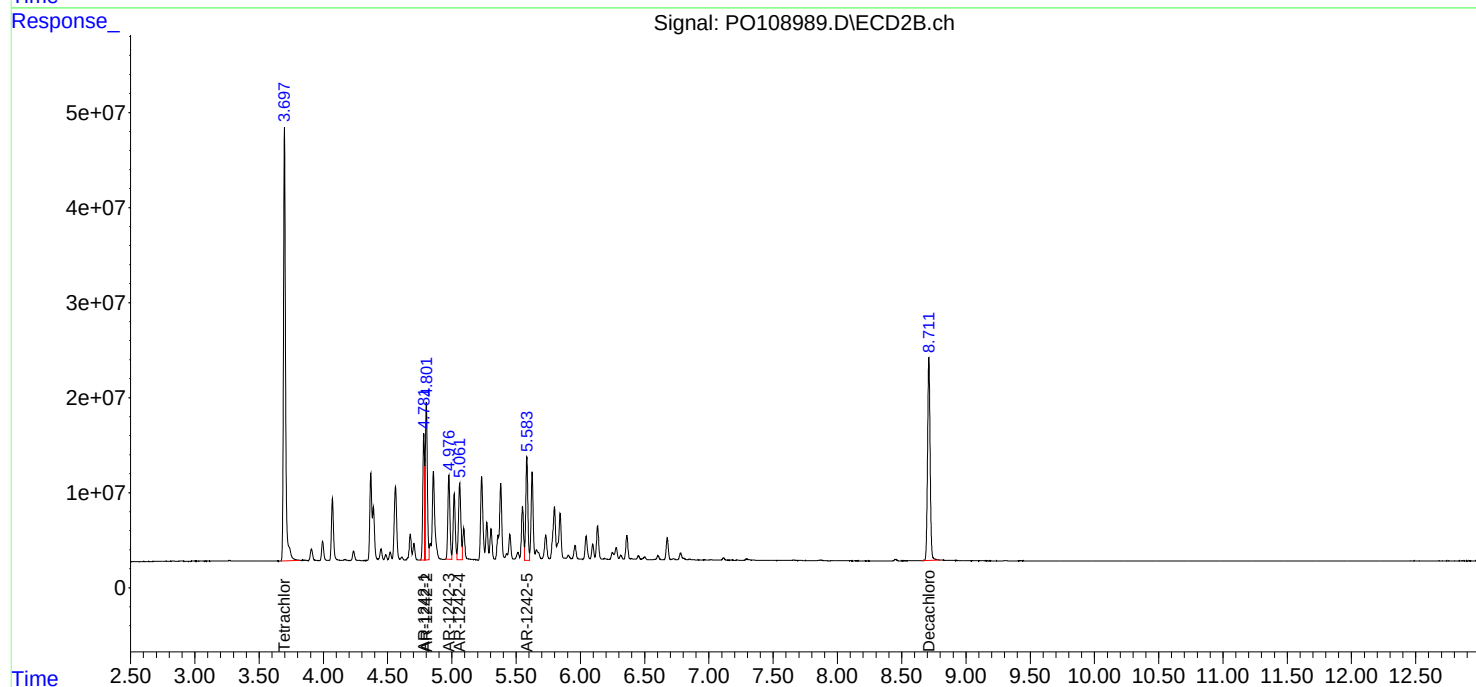
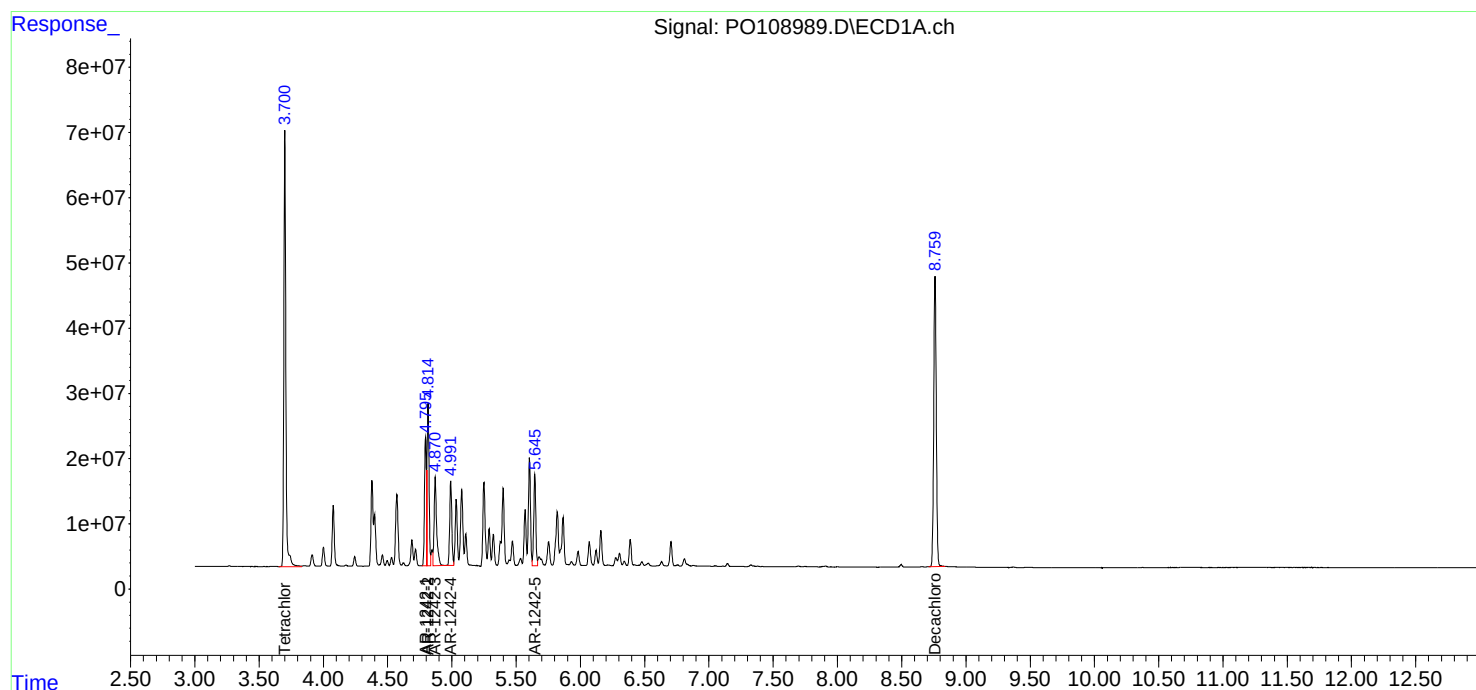
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

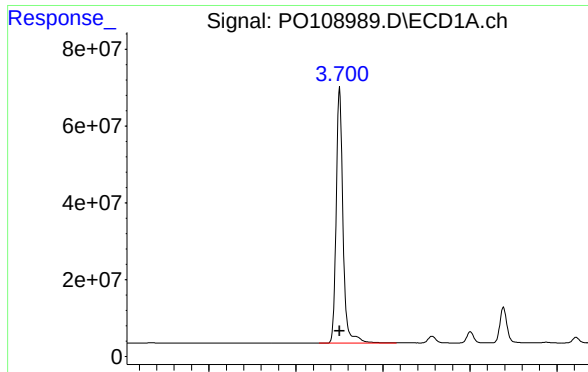
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 19:44
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

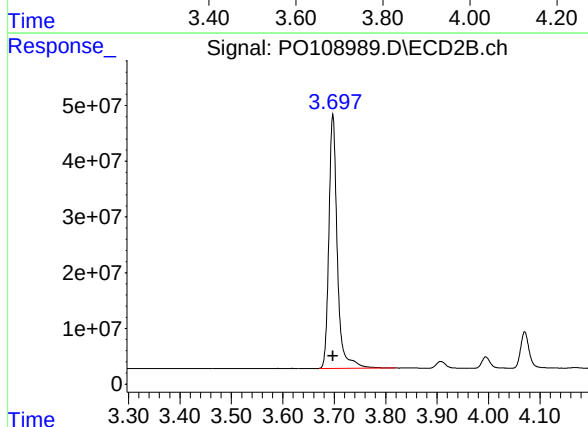




#1 Tetrachloro-m-xylene

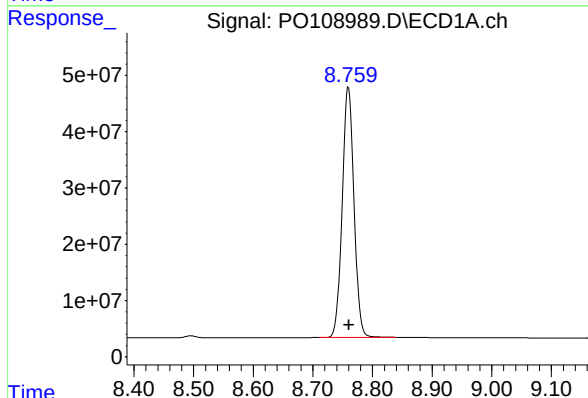
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 730283145
Conc: 94.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



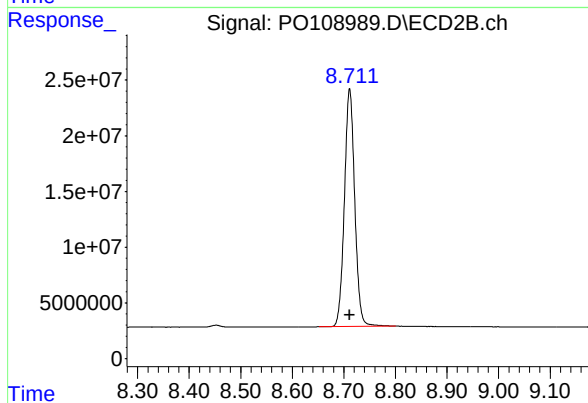
#1 Tetrachloro-m-xylene

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



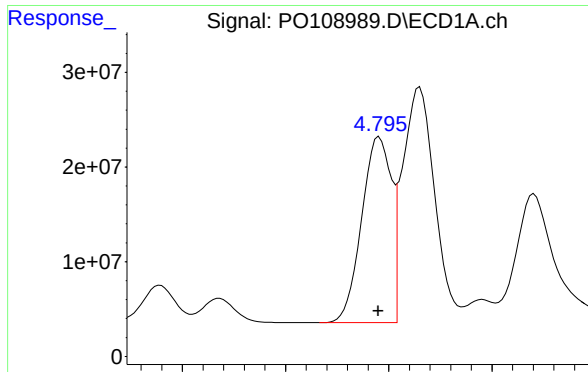
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

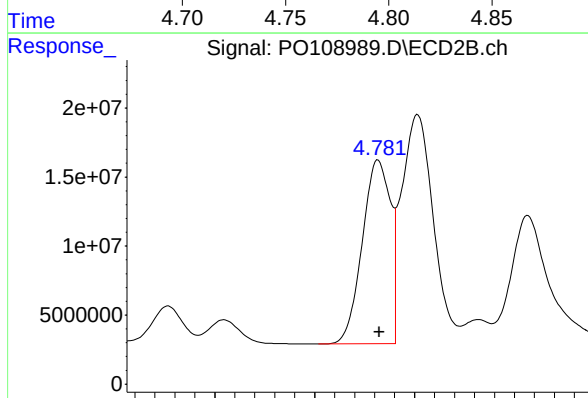
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 297592313
Conc: 91.57 ng/ml



#16 AR-1242-1

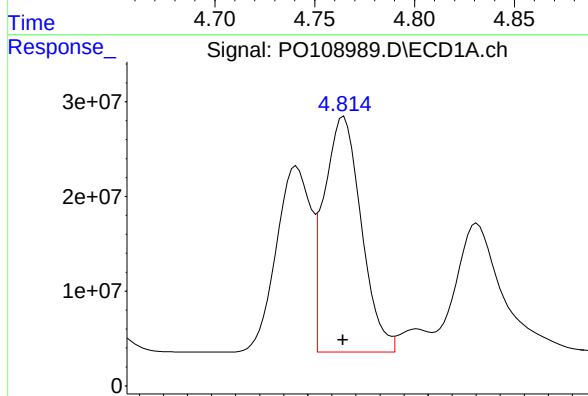
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 195196952
Conc: 910.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



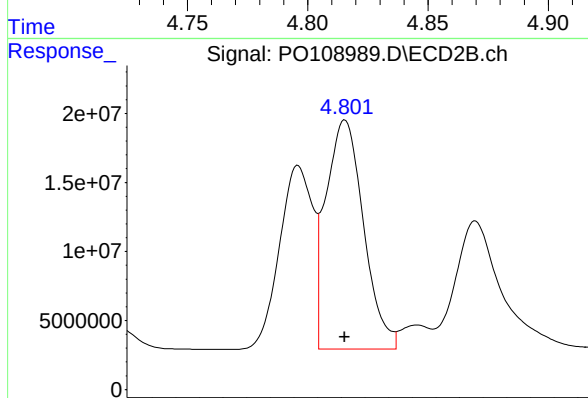
#16 AR-1242-1

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



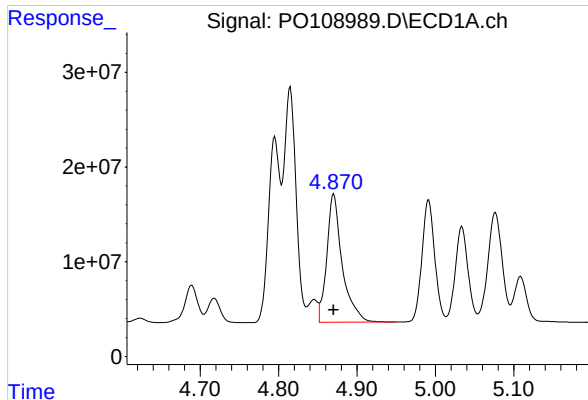
#17 AR-1242-2

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



#17 AR-1242-2

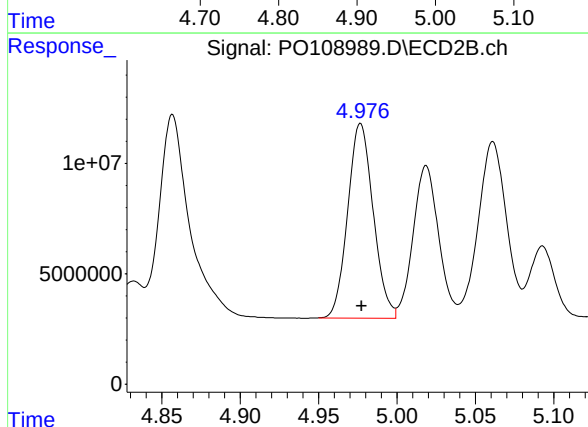
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 183791222
Conc: 923.97 ng/ml



#18 AR-1242-3

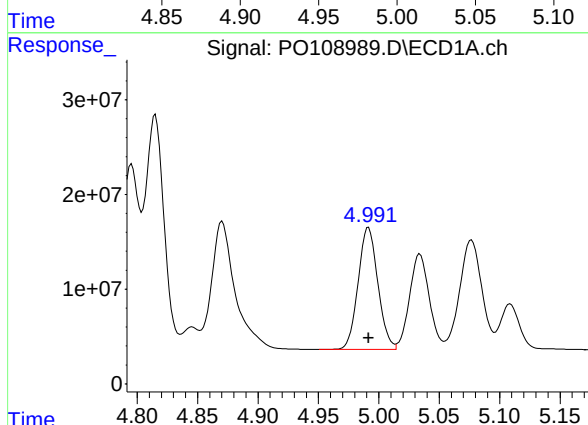
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 186201466
Conc: 901.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



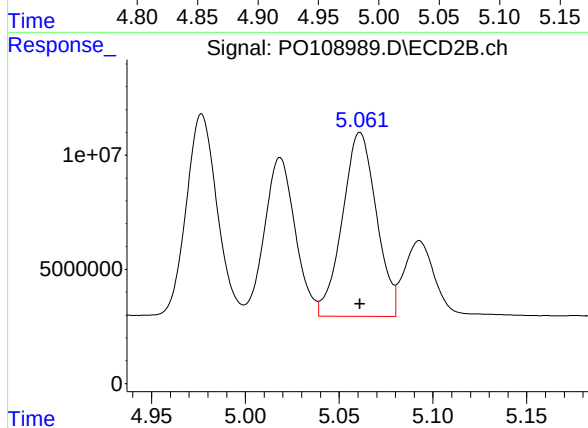
#18 AR-1242-3

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



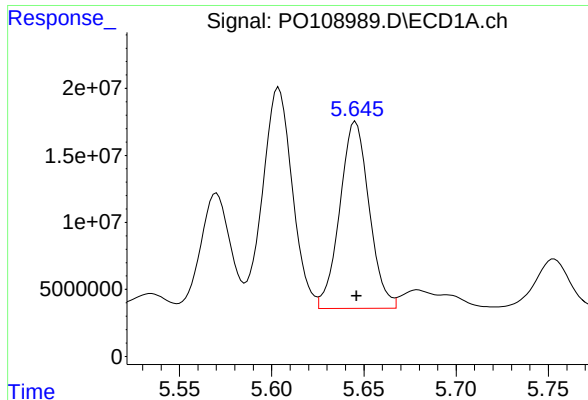
#19 AR-1242-4

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



#19 AR-1242-4

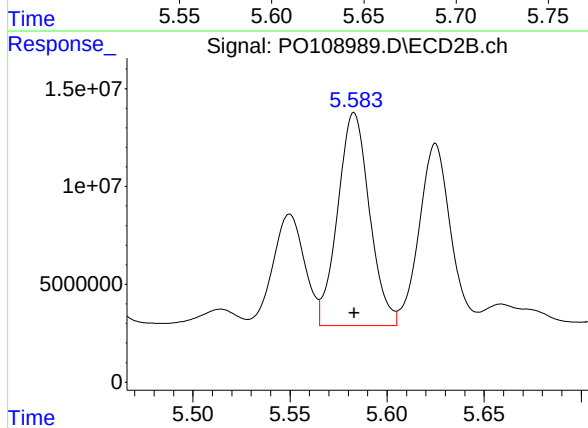
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 101694040
Conc: 889.38 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108990.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\P0012125.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

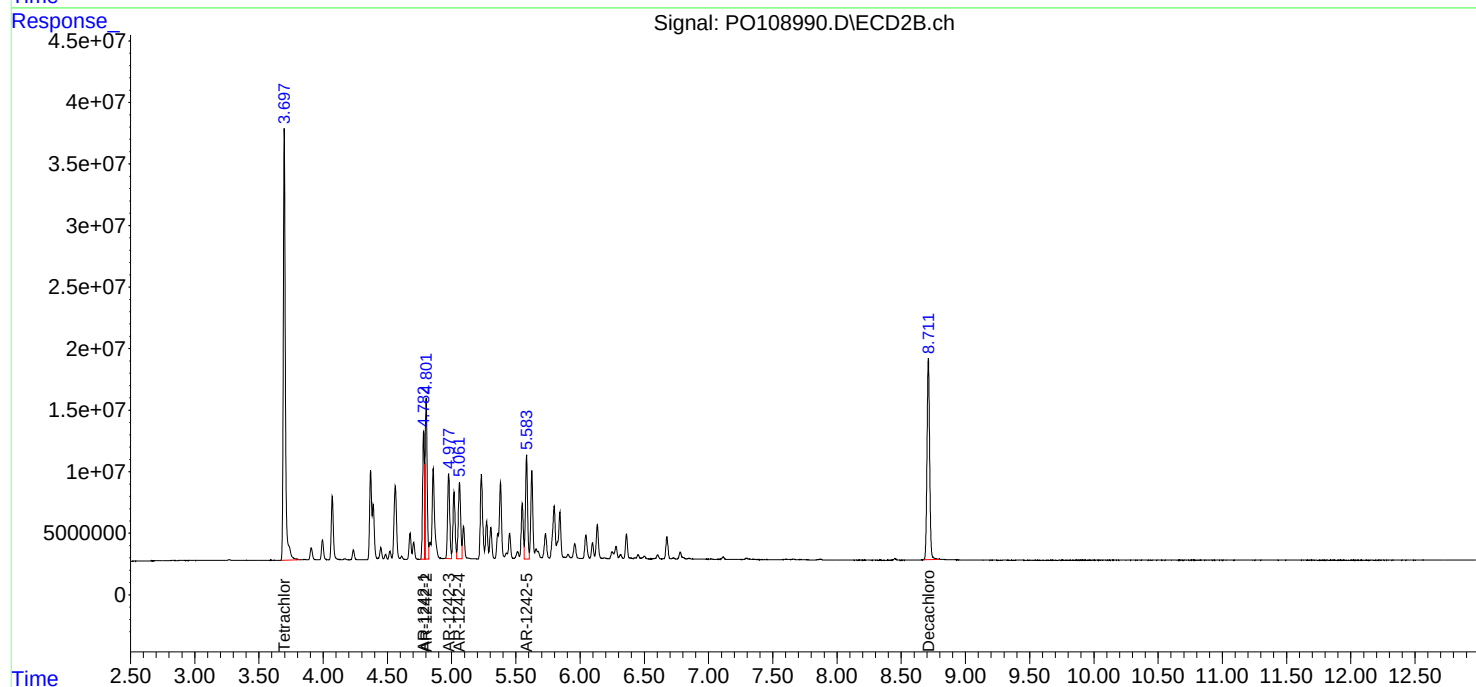
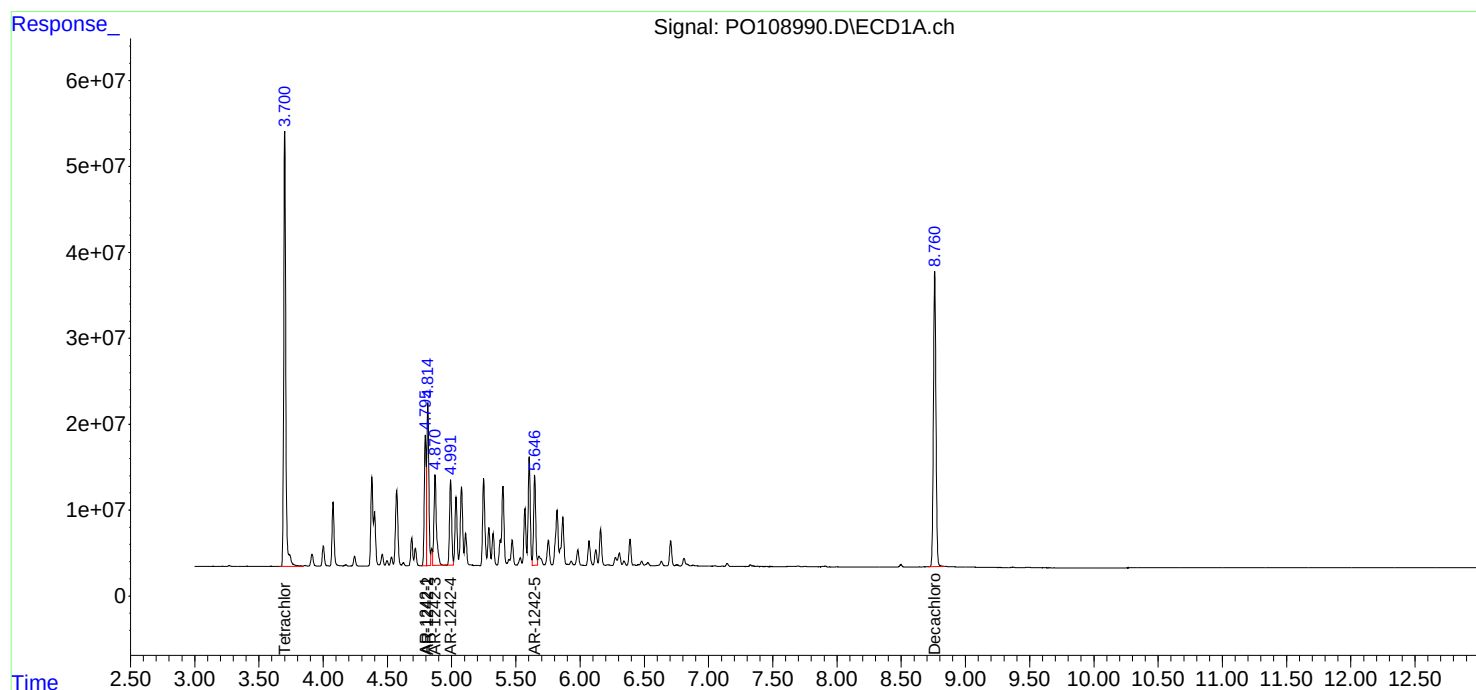
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

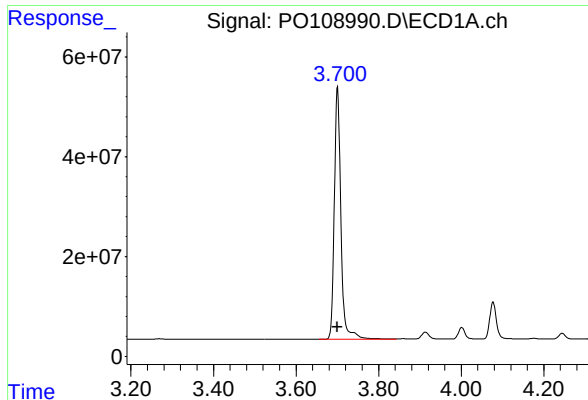
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:02
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

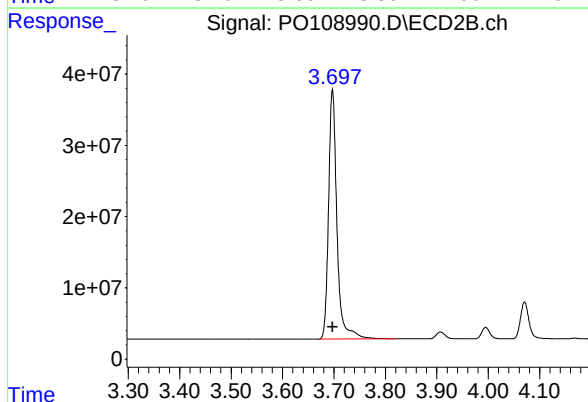




#1 Tetrachloro-m-xylene

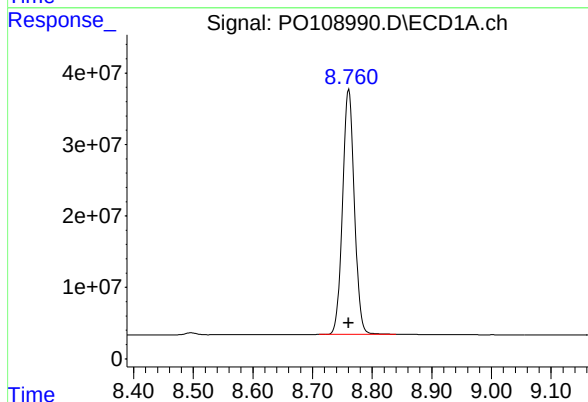
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 562238705
Conc: 73.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



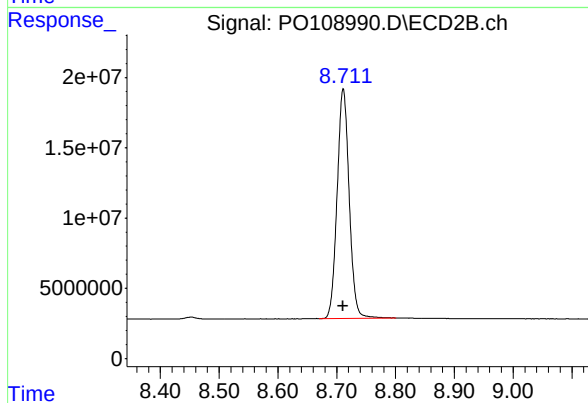
#1 Tetrachloro-m-xylene

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



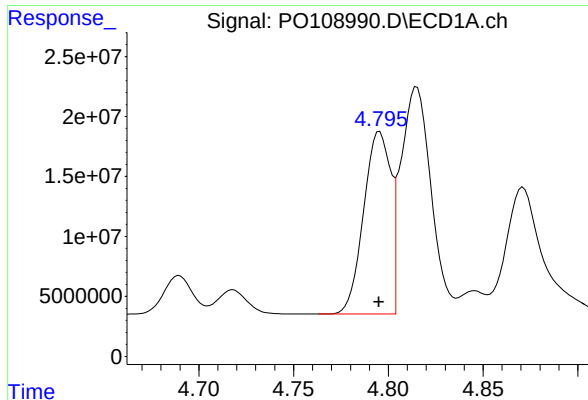
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

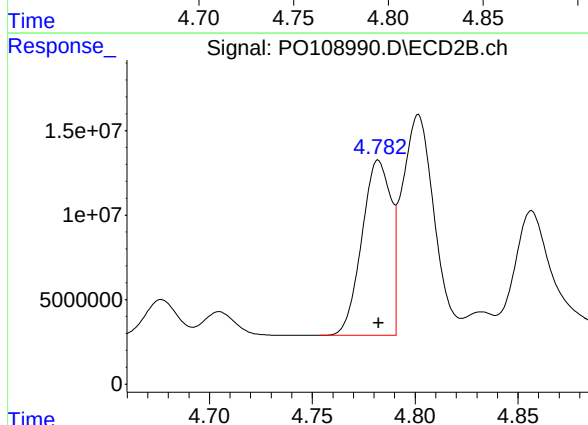
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 232803088
Conc: 71.64 ng/ml



#16 AR-1242-1

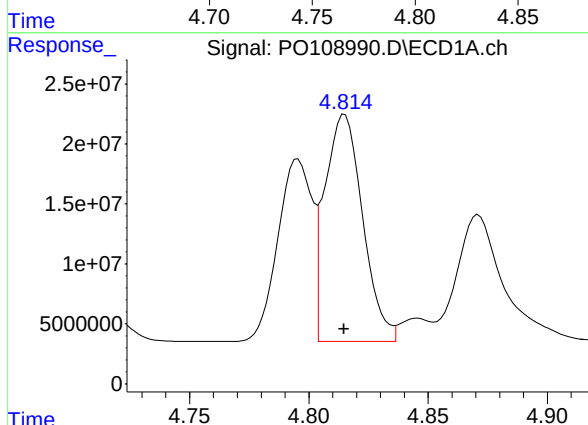
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 151042431
Conc: 704.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



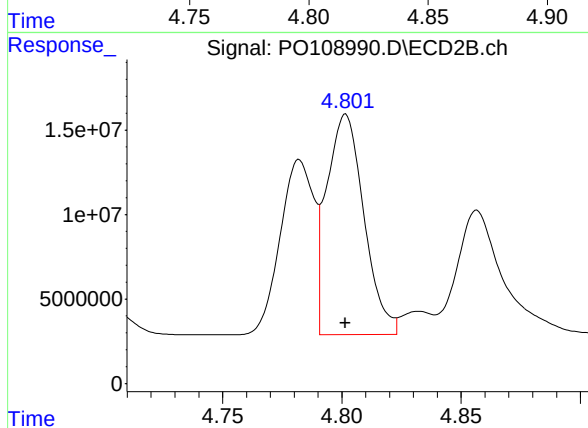
#16 AR-1242-1

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



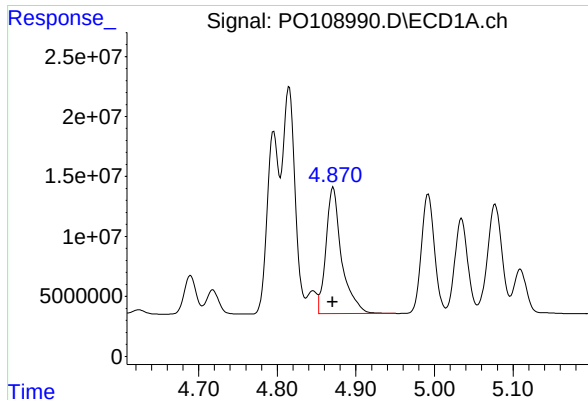
#17 AR-1242-2

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



#17 AR-1242-2

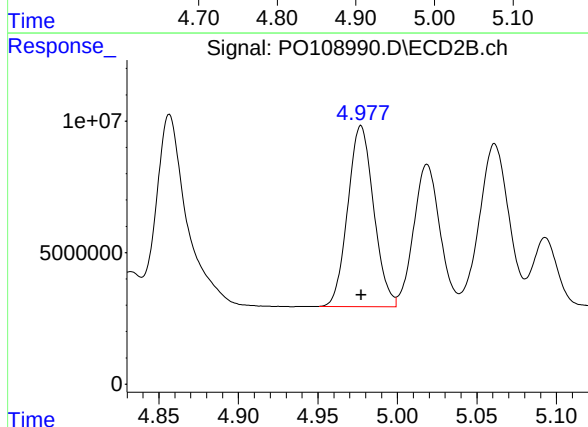
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 141733778
Conc: 712.54 ng/ml



#18 AR-1242-3

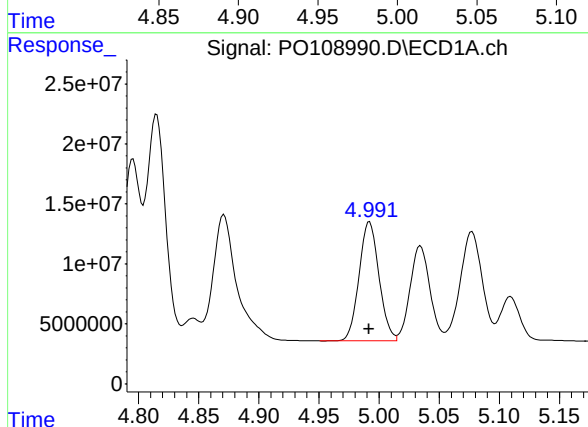
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 146033967
Conc: 707.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



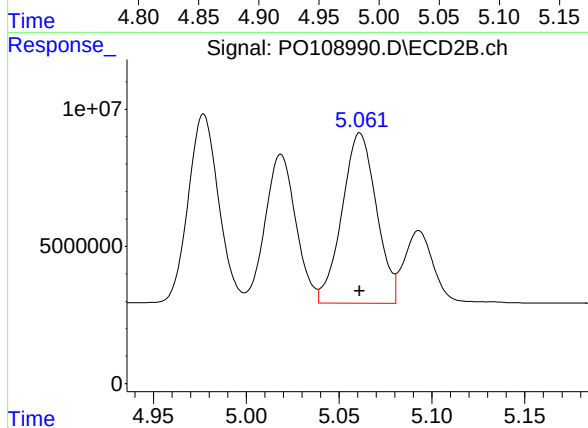
#18 AR-1242-3

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



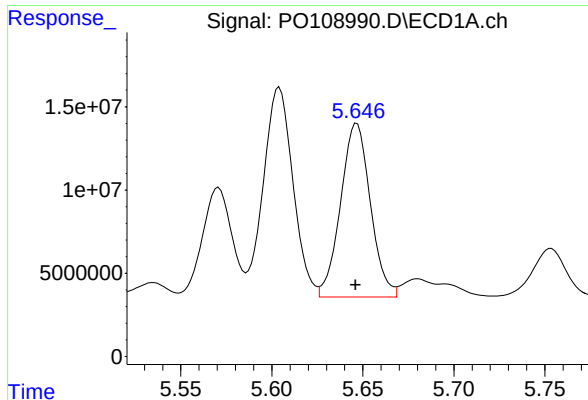
#19 AR-1242-4

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



#19 AR-1242-4

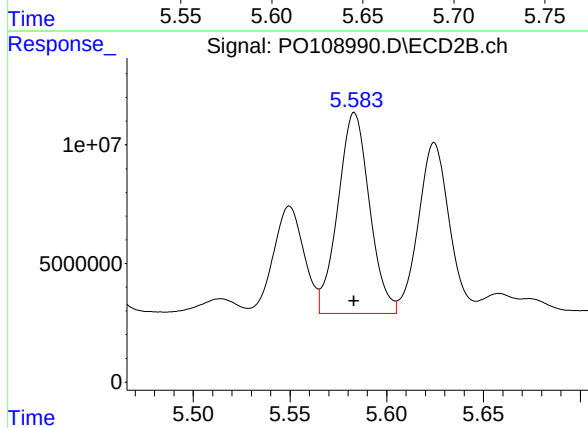
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 80053144
Conc: 700.12 ng/ml



#20 AR-1242-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108991.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\P0012125.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

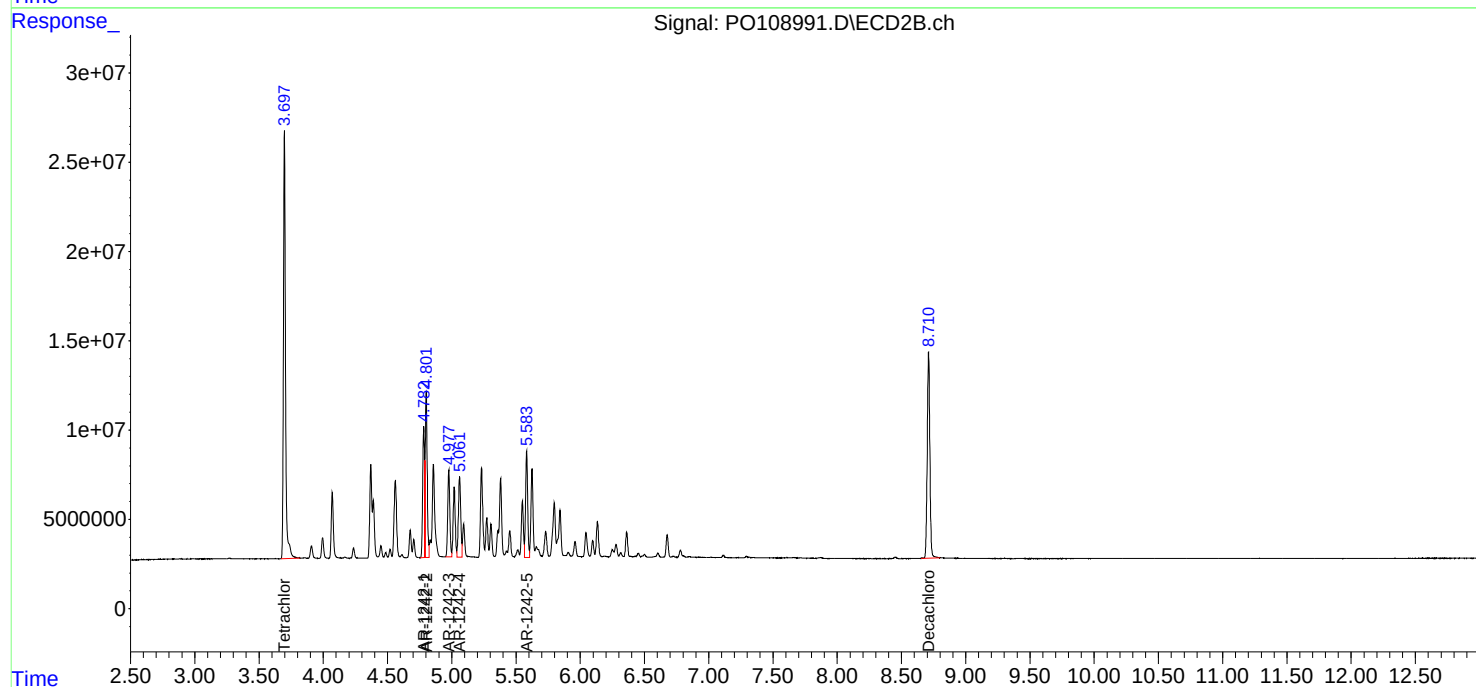
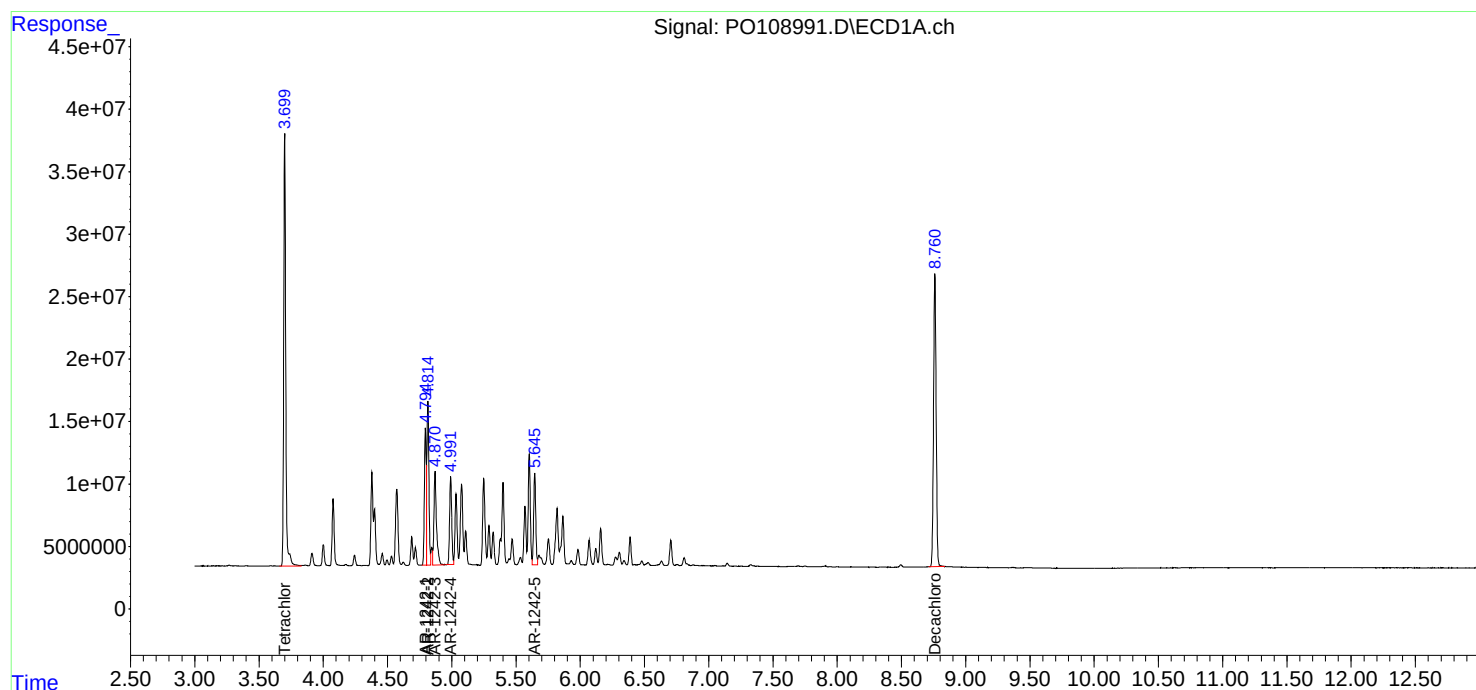
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

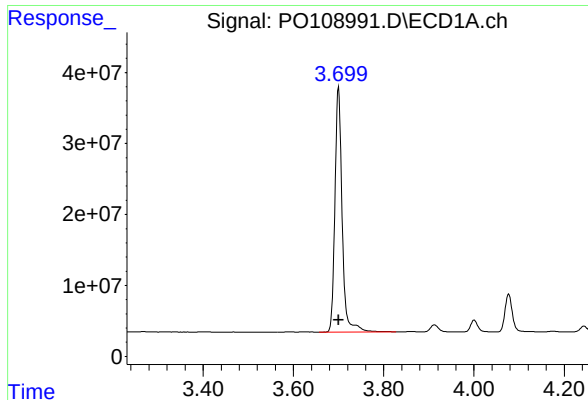
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:21
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

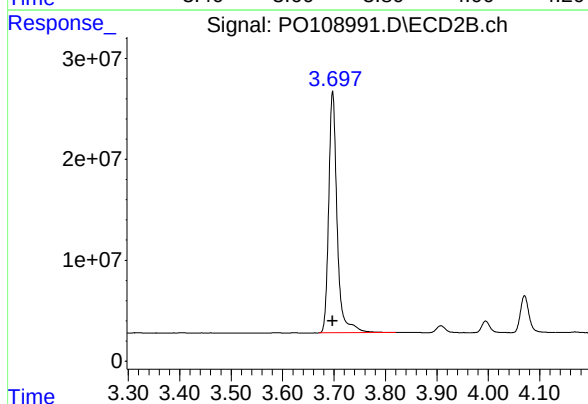




#1 Tetrachloro-m-xylene

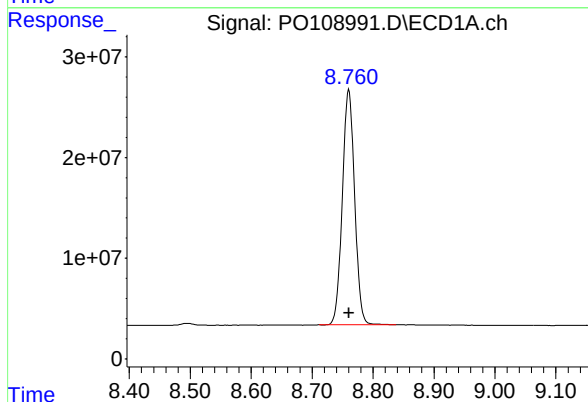
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 384817490
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



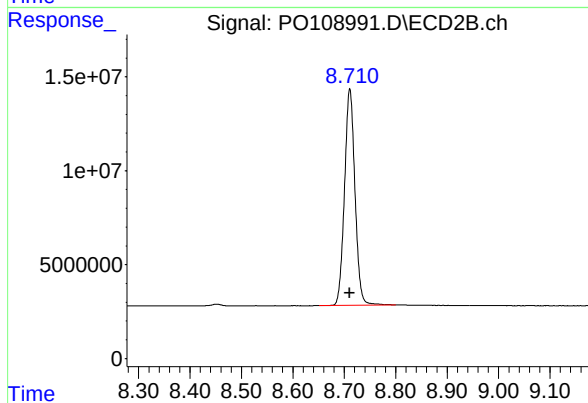
#1 Tetrachloro-m-xylene

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



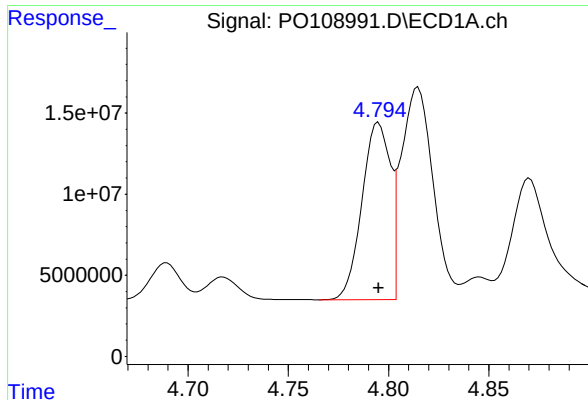
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

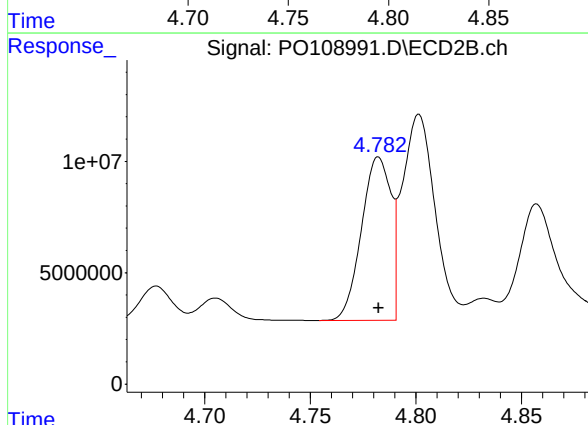
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 162486896
Conc: 50.00 ng/ml



#16 AR-1242-1

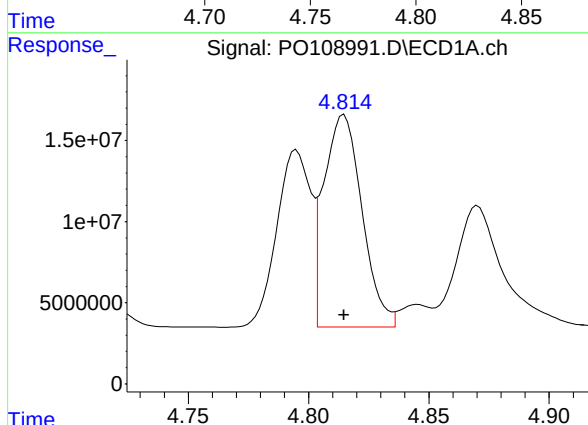
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 107152493
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



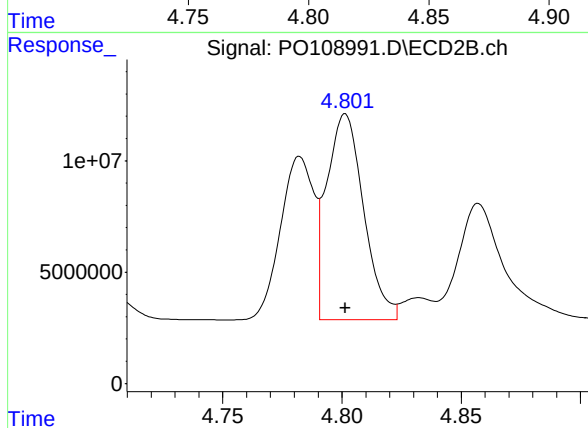
#16 AR-1242-1

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



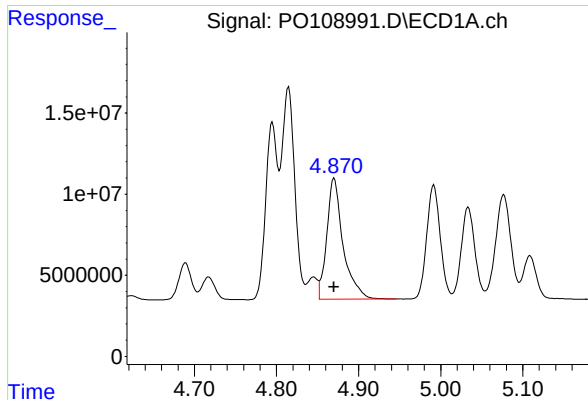
#17 AR-1242-2

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



#17 AR-1242-2

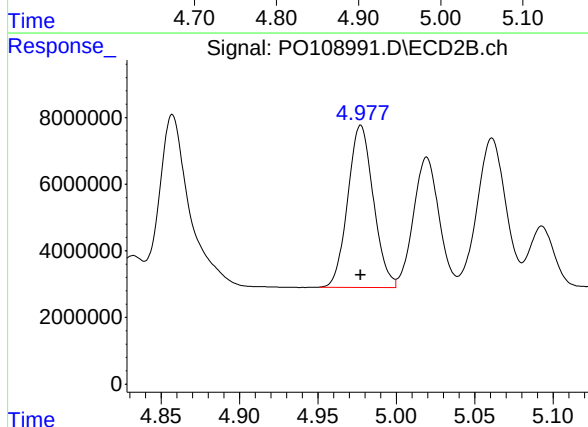
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 99456965
Conc: 500.00 ng/ml



#18 AR-1242-3

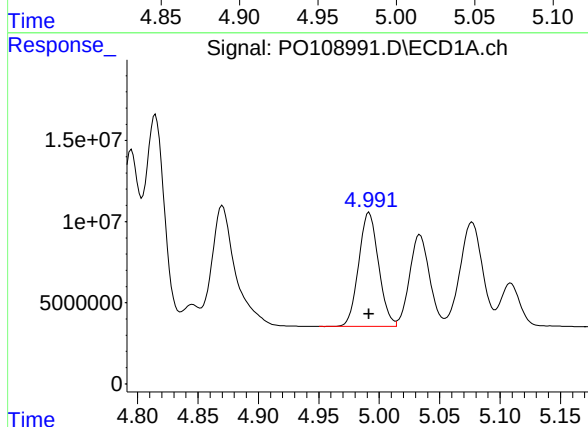
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 103220329
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



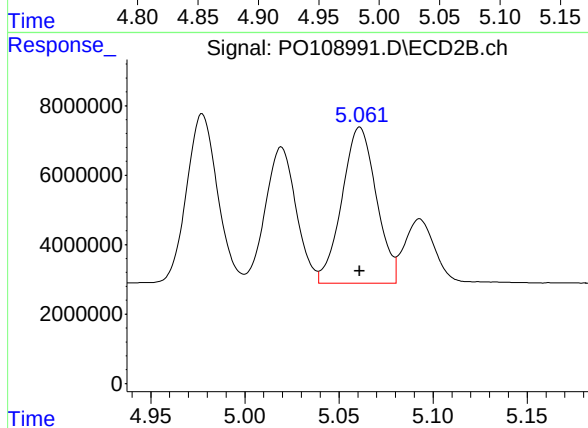
#18 AR-1242-3

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



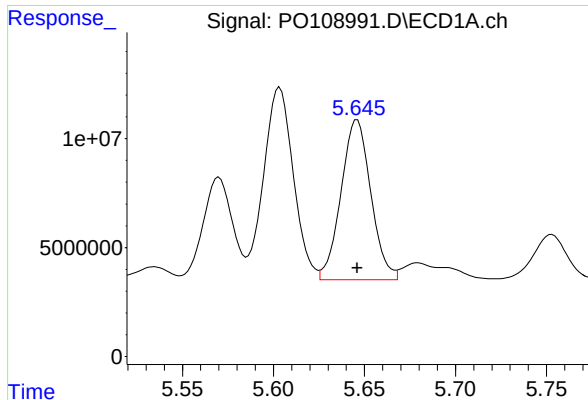
#19 AR-1242-4

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



#19 AR-1242-4

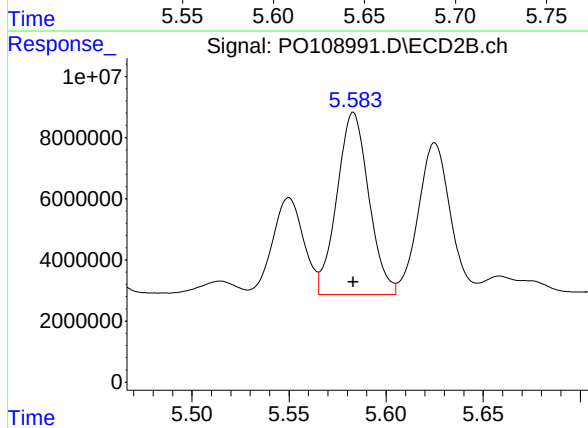
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 57171096
Conc: 500.00 ng/ml



#20 AR-1242-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108992.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\P0012125.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

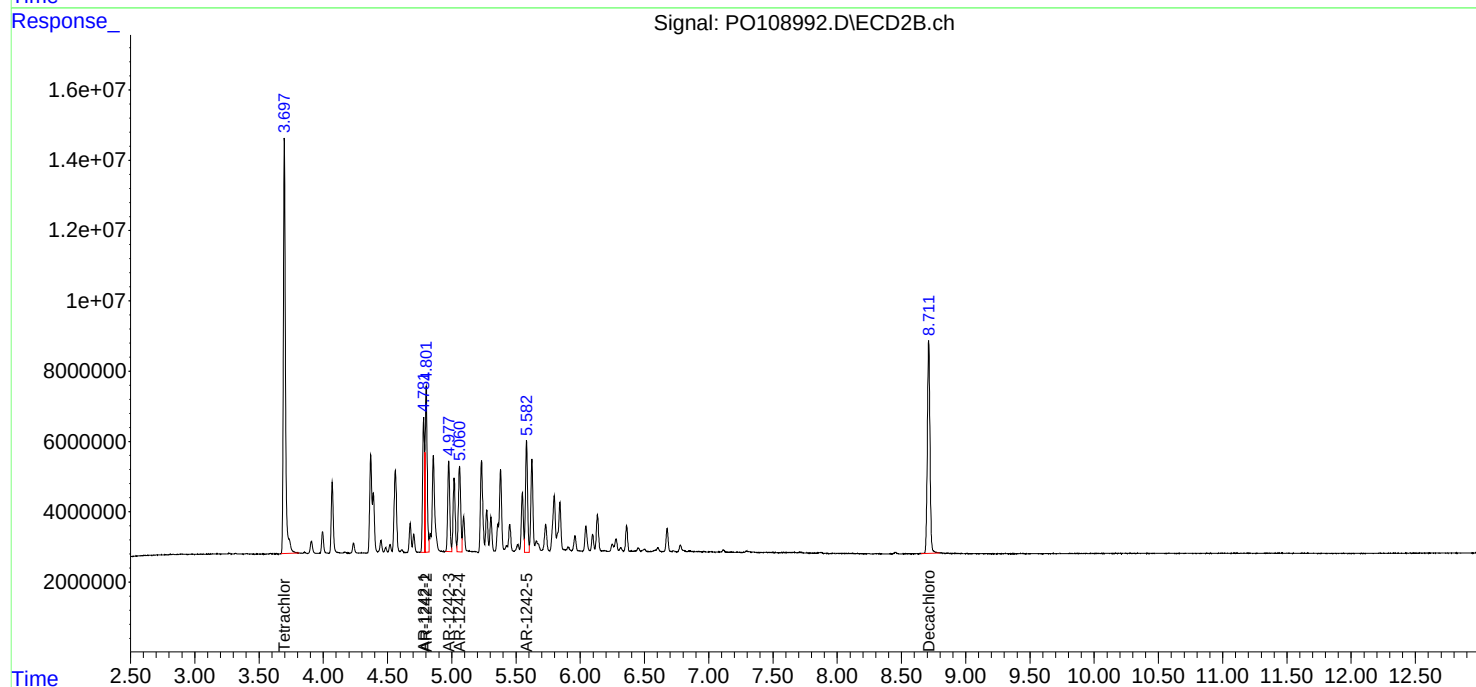
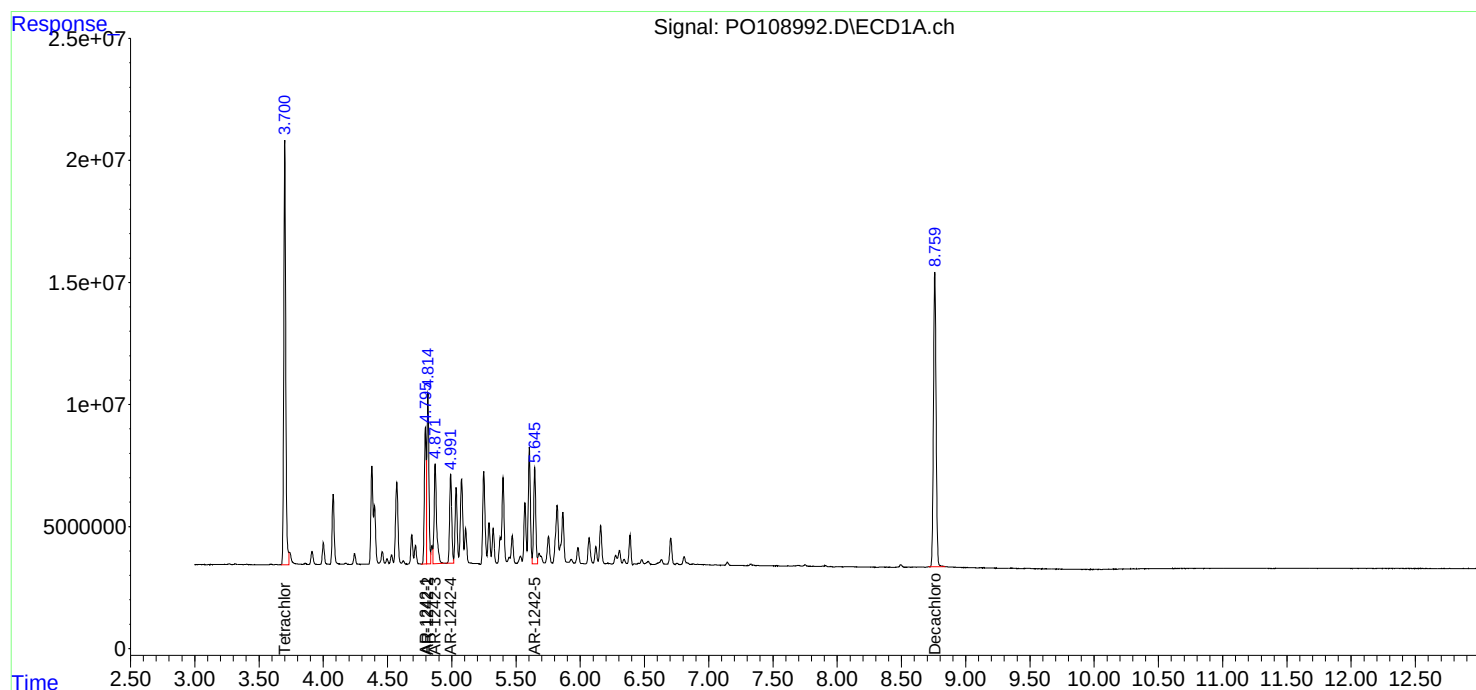
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

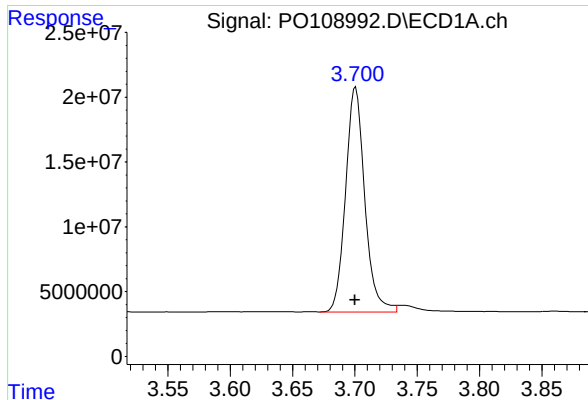
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 20:39
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

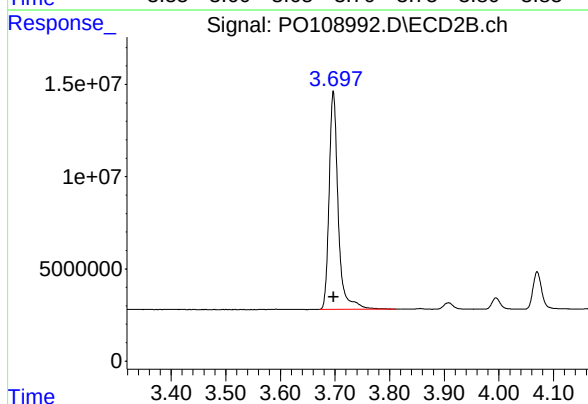




#1 Tetrachloro-m-xylene

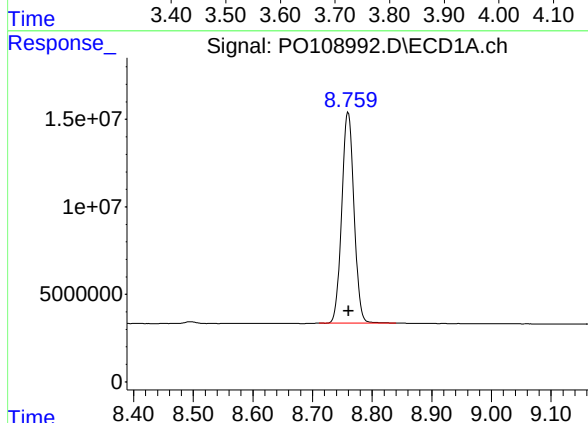
R.T.: 3.701 min
Delta R.T.: 0.000 min
Response: 186294503
Conc: 24.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



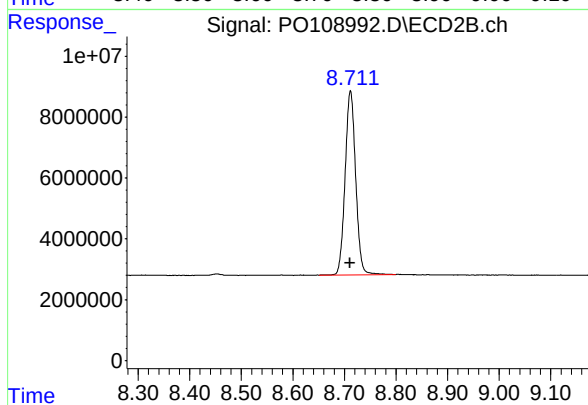
#1 Tetrachloro-m-xylene

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



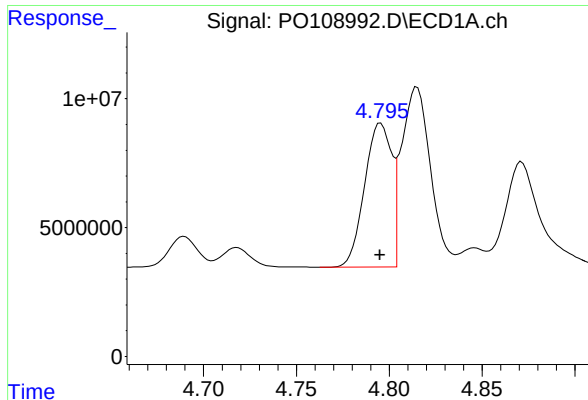
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

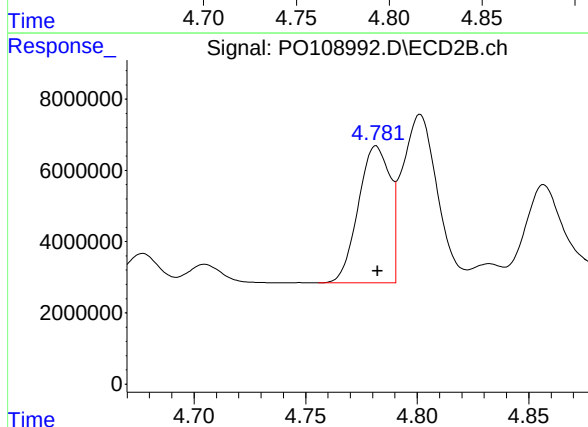
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 86119052
Conc: 26.50 ng/ml



#16 AR-1242-1

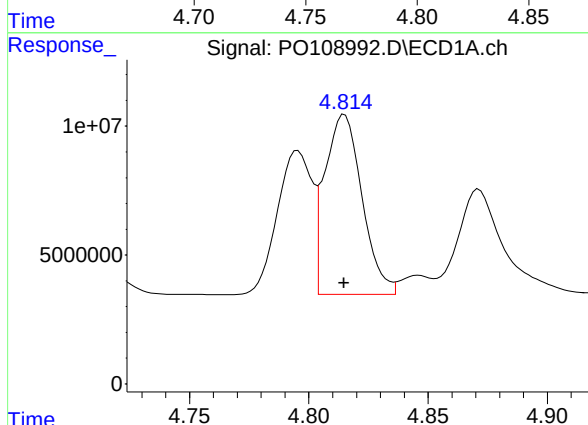
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 56500980
Conc: 263.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



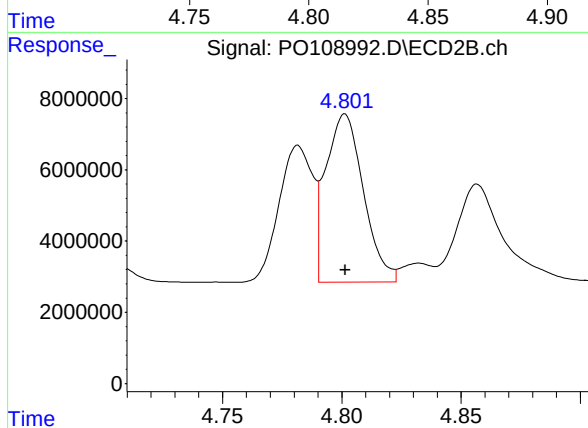
#16 AR-1242-1

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



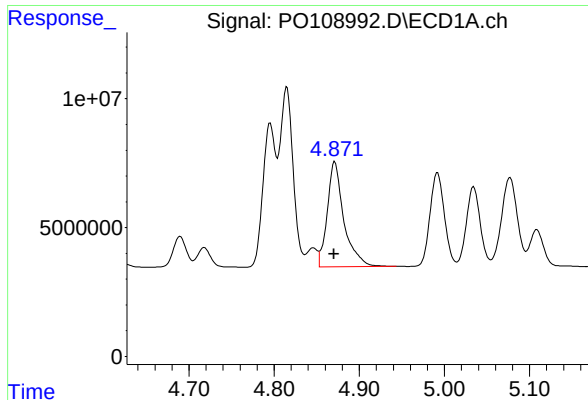
#17 AR-1242-2

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



#17 AR-1242-2

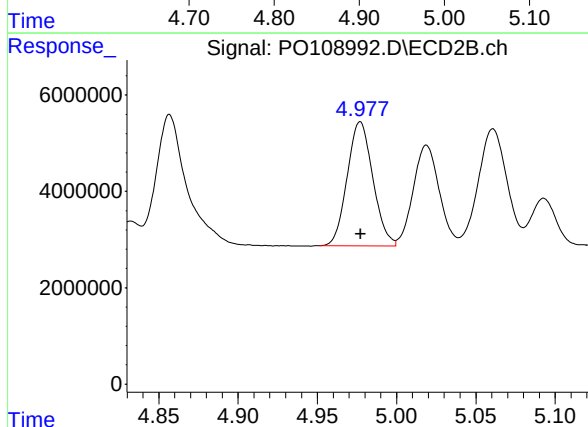
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 51772477
Conc: 260.28 ng/ml



#18 AR-1242-3

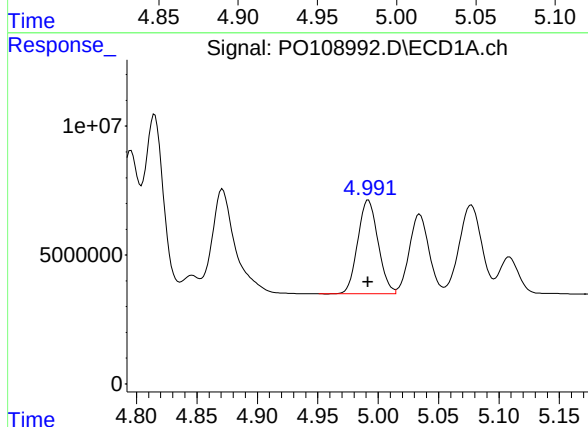
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 55207672
Conc: 267.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



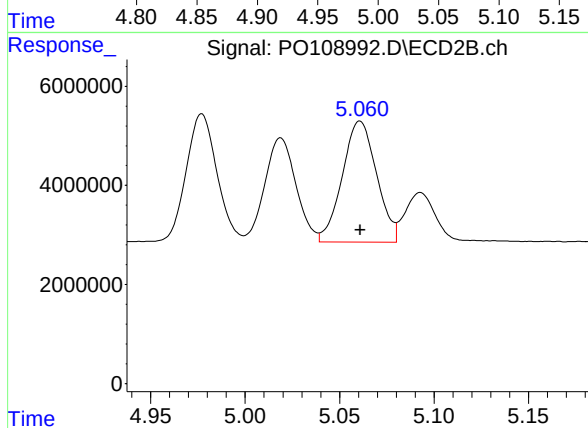
#18 AR-1242-3

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



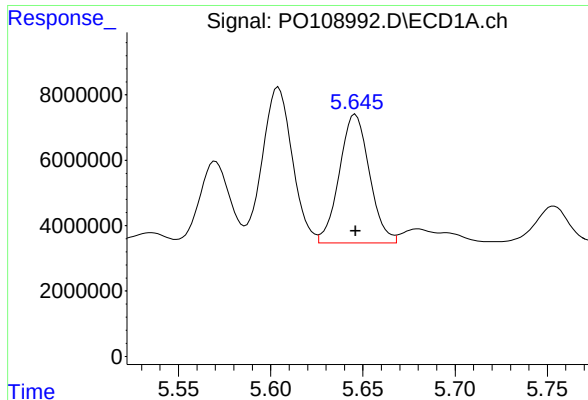
#19 AR-1242-4

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



#19 AR-1242-4

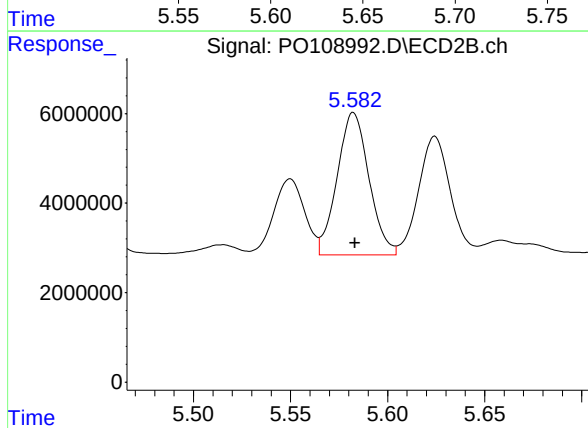
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 30861857
Conc: 269.91 ng/ml



#20 AR-1242-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108993.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\P0012125.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.

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 : AR1242IC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

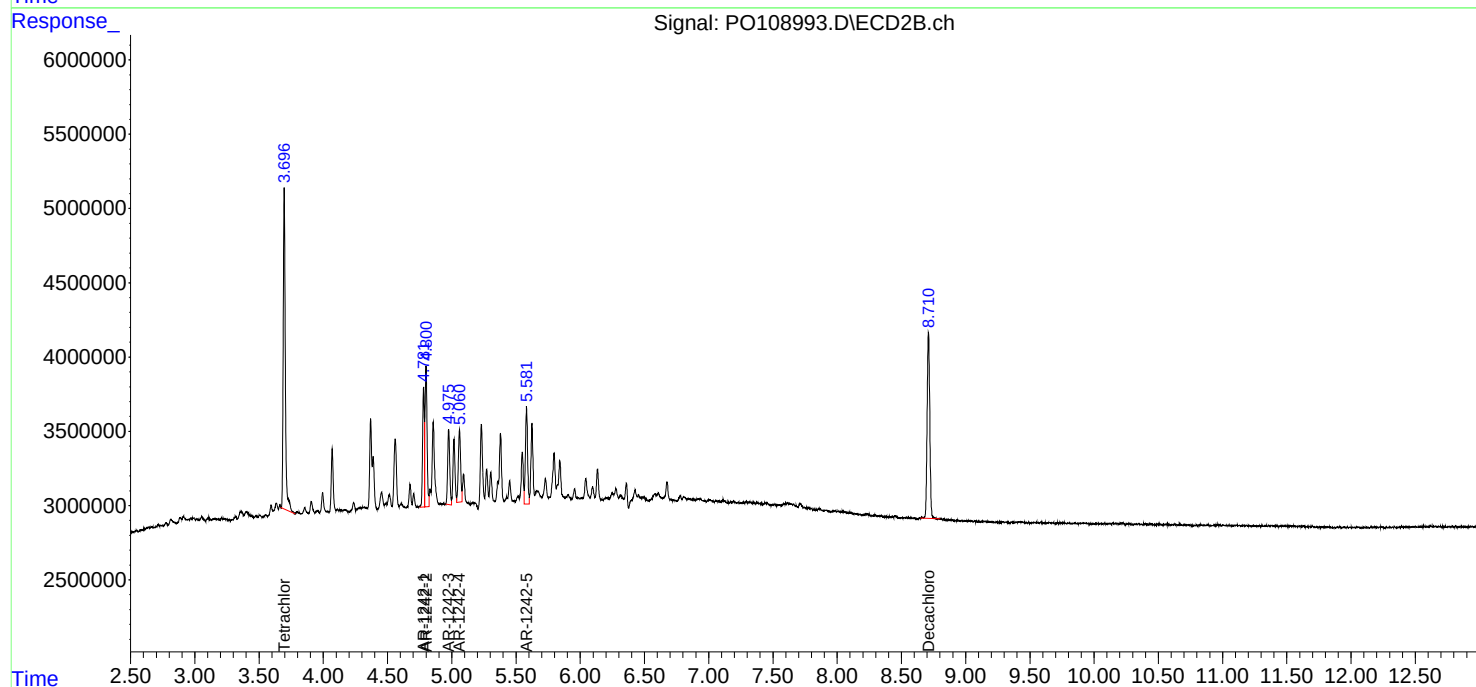
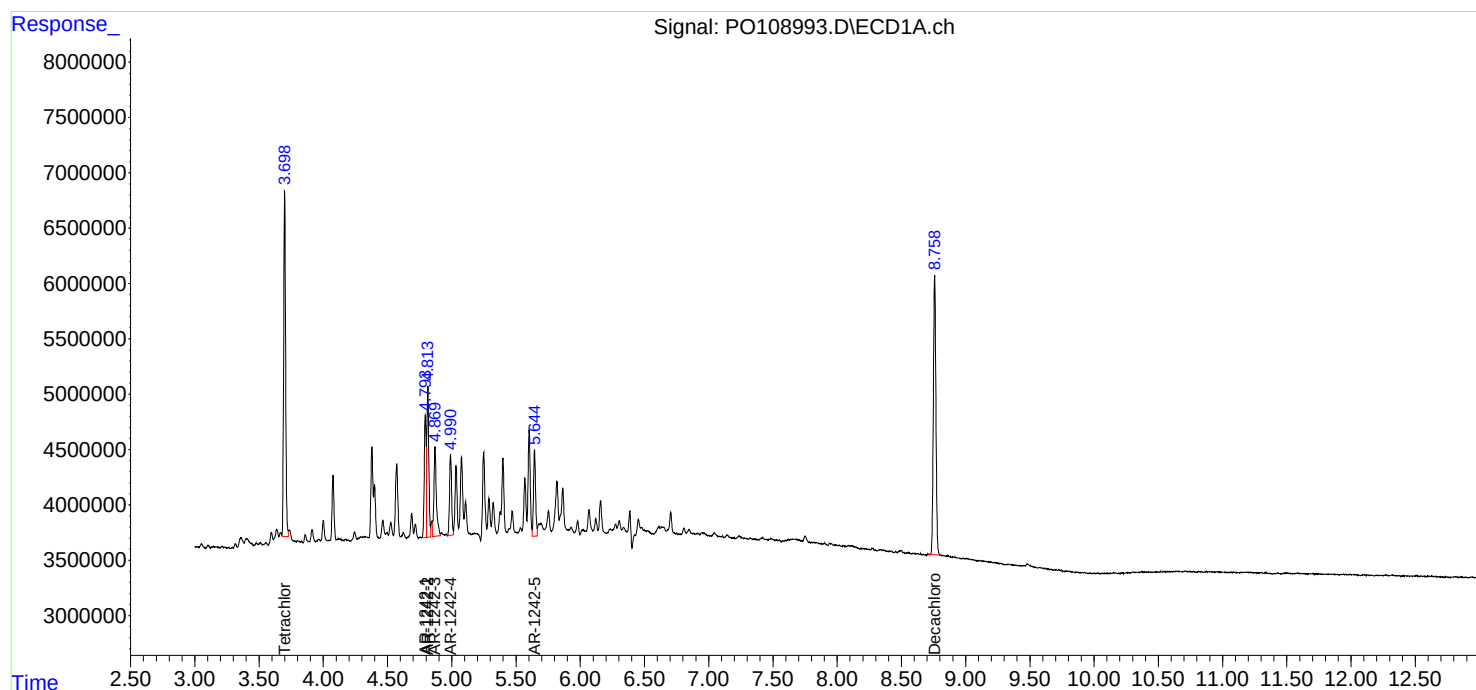
Instrument :
ECD_O
ClientSampleId :
AR1242IC050

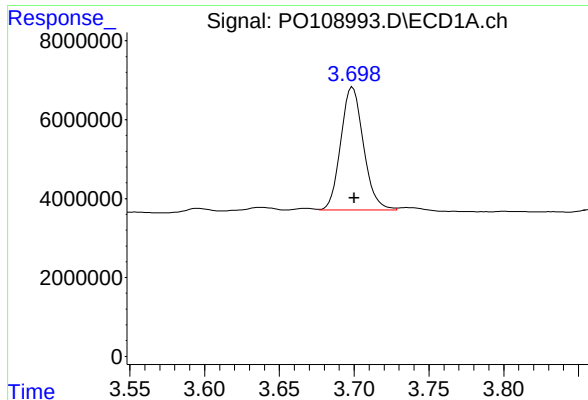
Manual Integrations
APPROVED

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





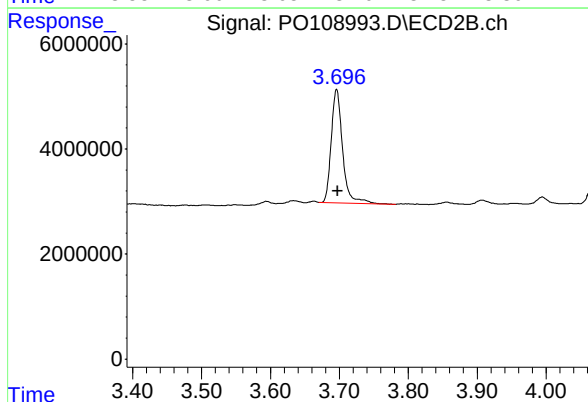
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

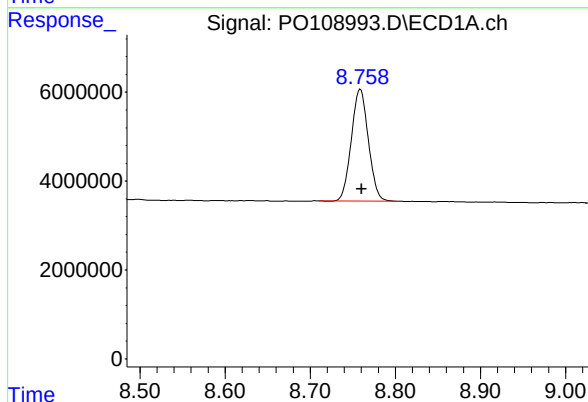
Manual Integrations
APPROVED

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



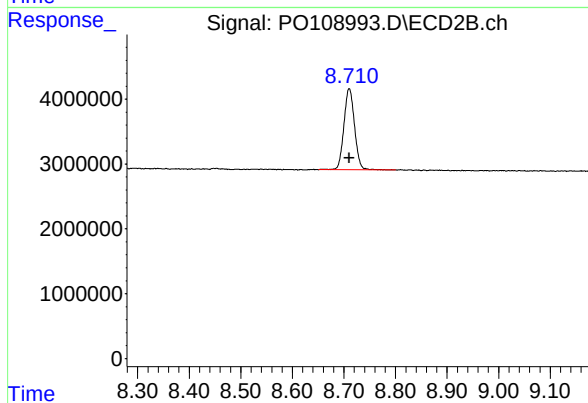
#1 Tetrachloro-m-xylene

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



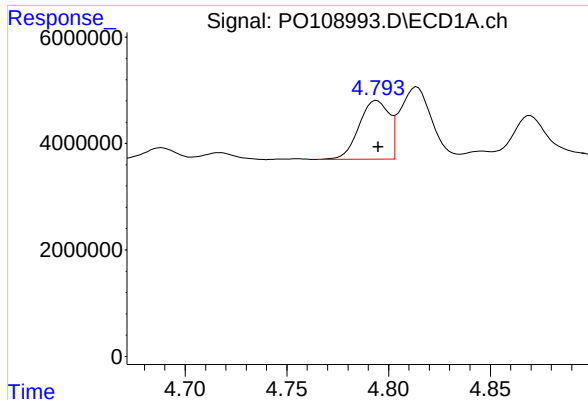
#2 Decachlorobiphenyl

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



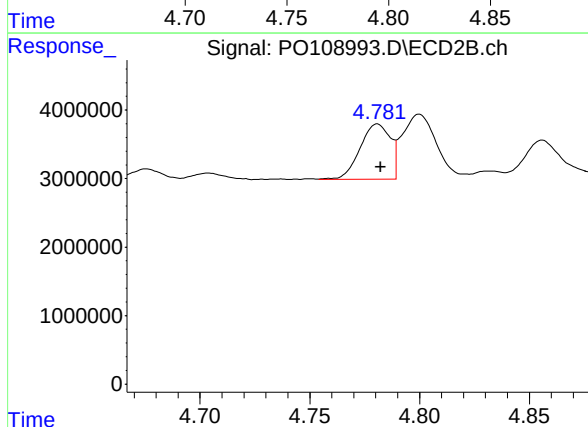
#16 AR-1242-1

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

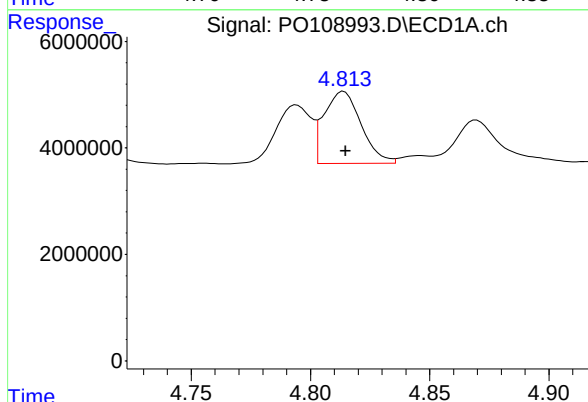
Manual Integrations
APPROVED

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



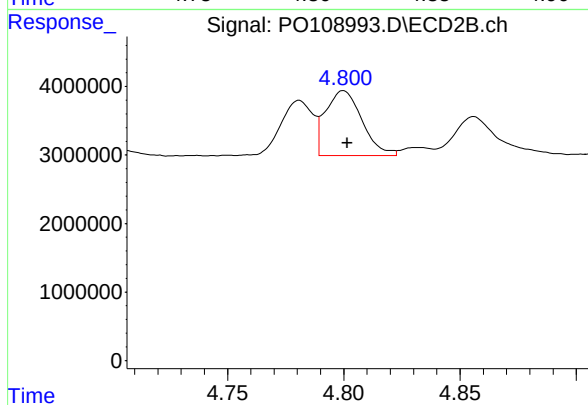
#16 AR-1242-1

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



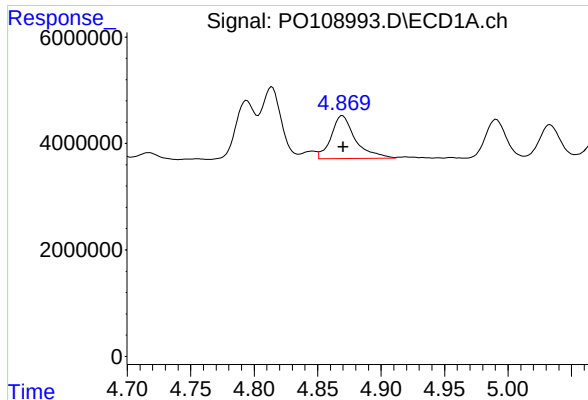
#17 AR-1242-2

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



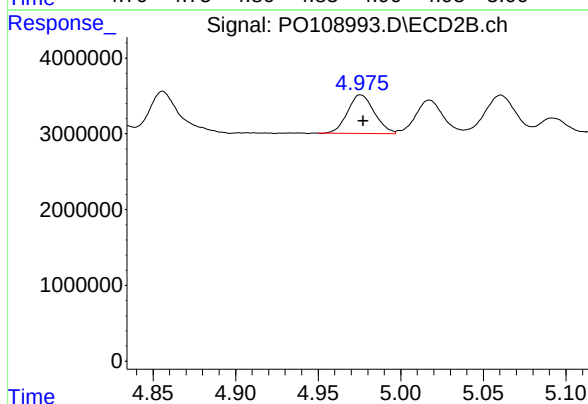
#18 AR-1242-3

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICCO50

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

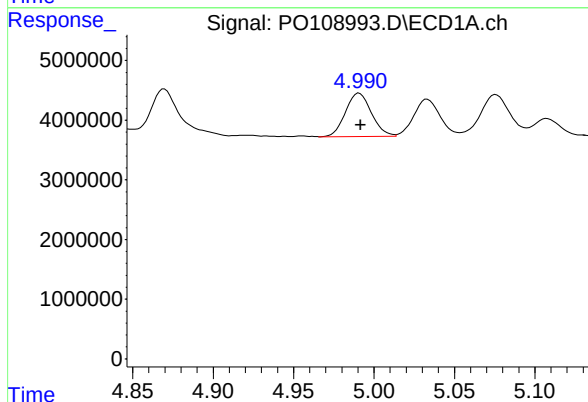


#18 AR-1242-3

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

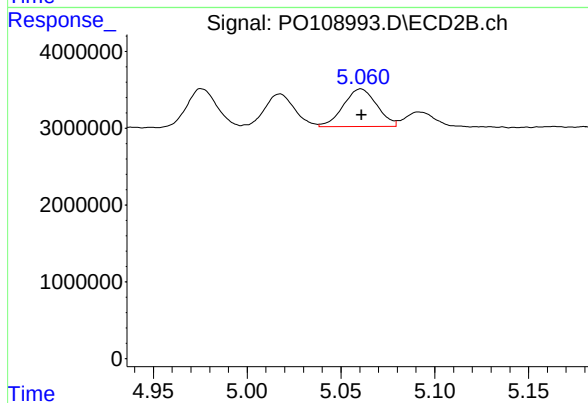
01/22/2025
Supervised By :Ankita
Jodhani

01/22/2025



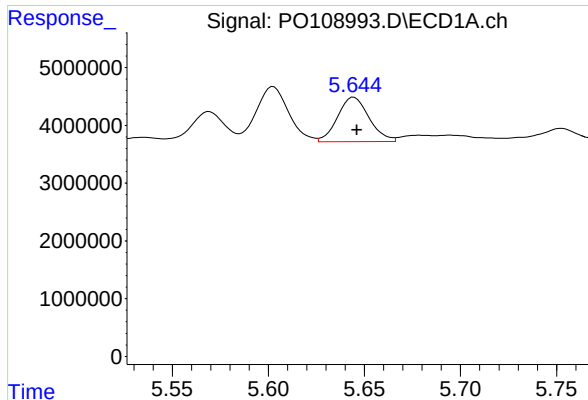
#19 AR-1242-4

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



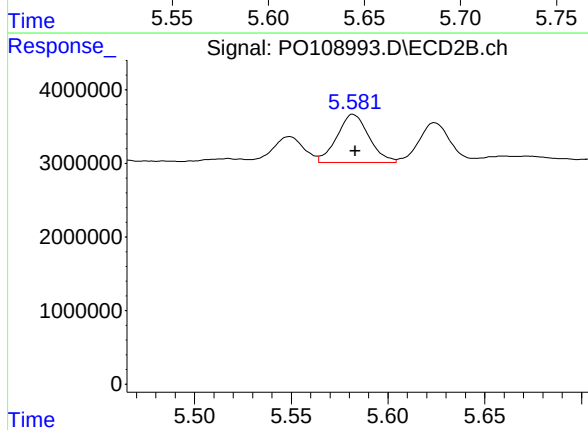
#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
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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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108994.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\P0012125.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

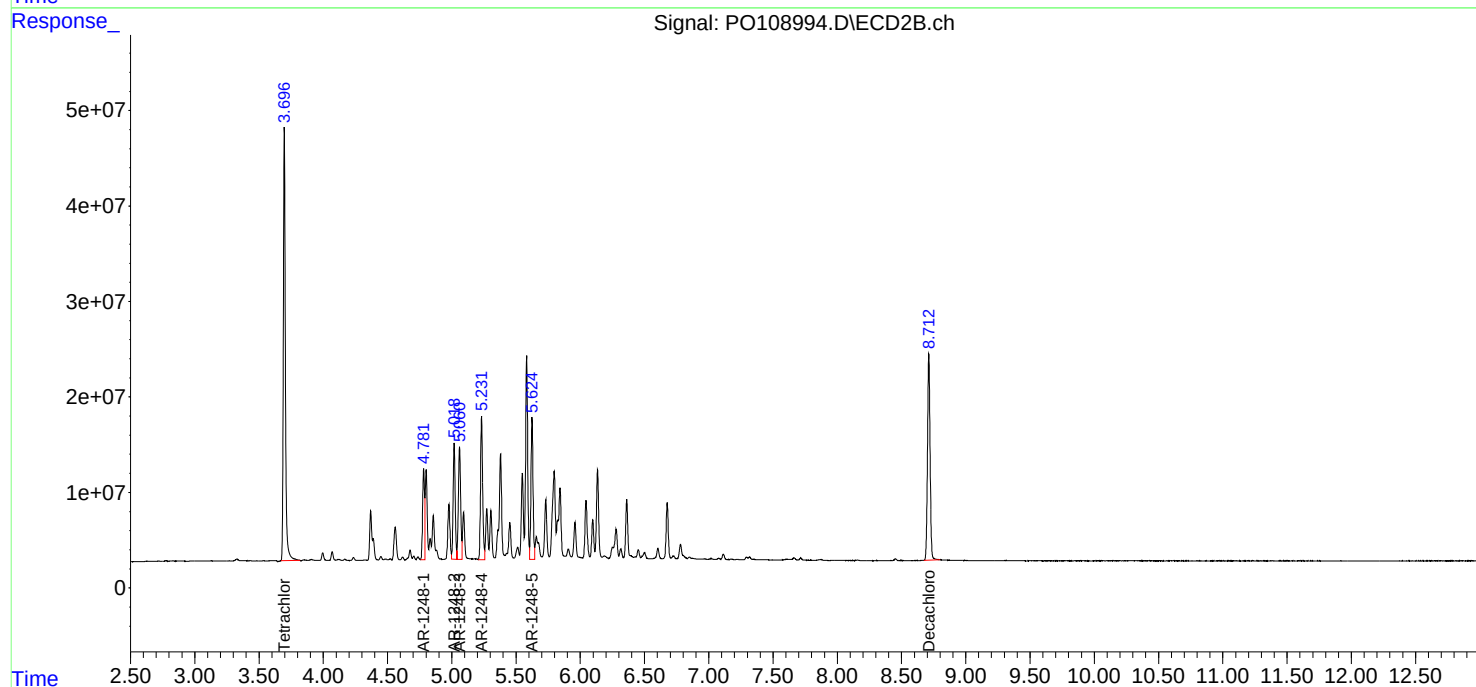
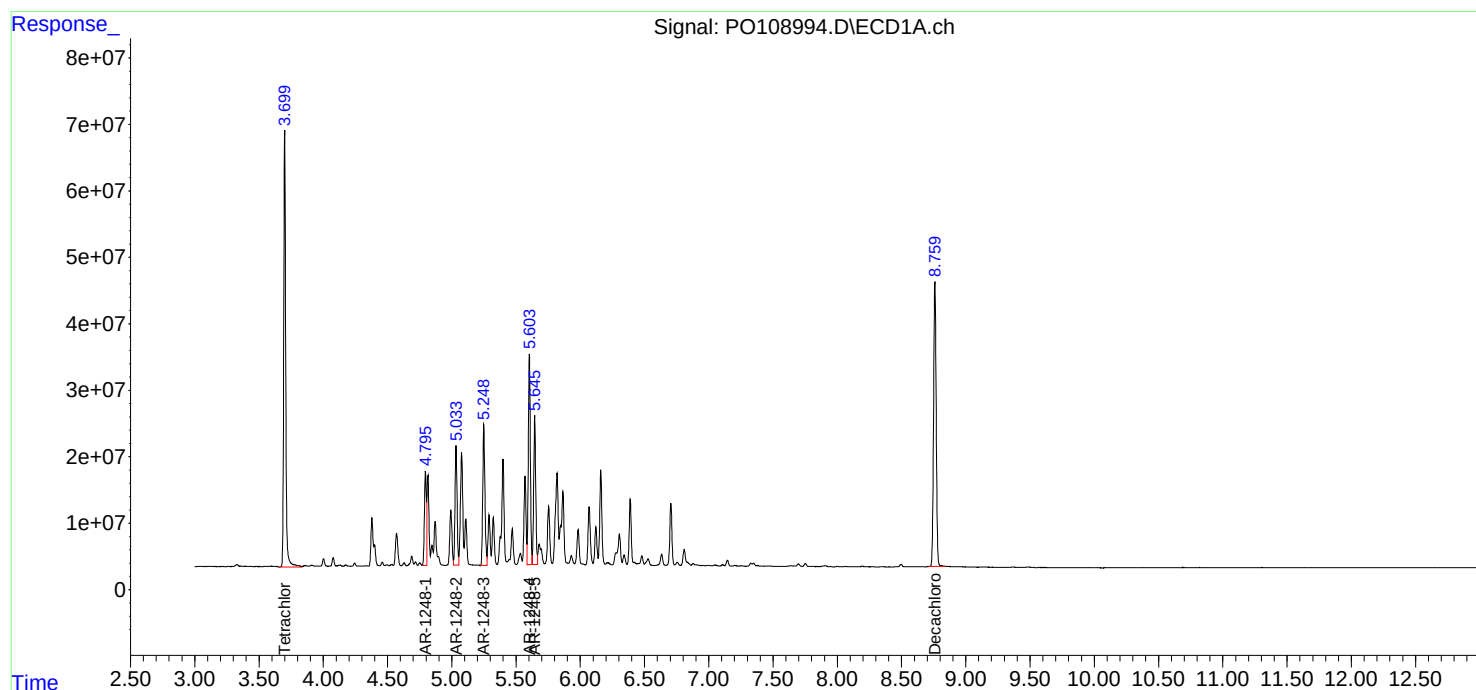
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

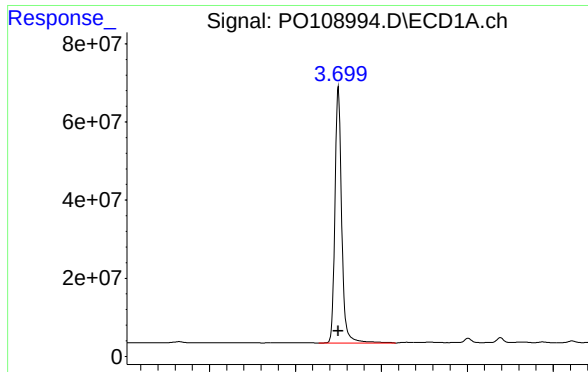
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:16
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

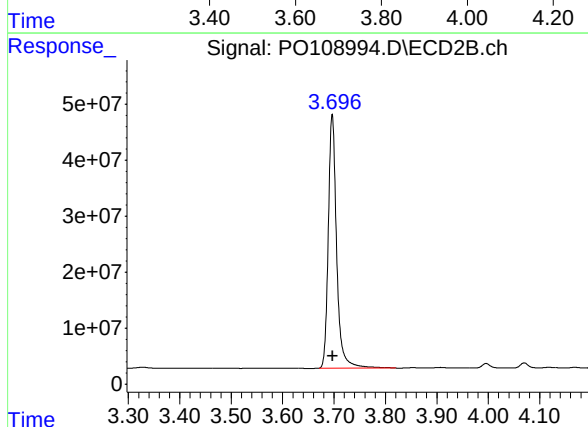




#1 Tetrachloro-m-xylene

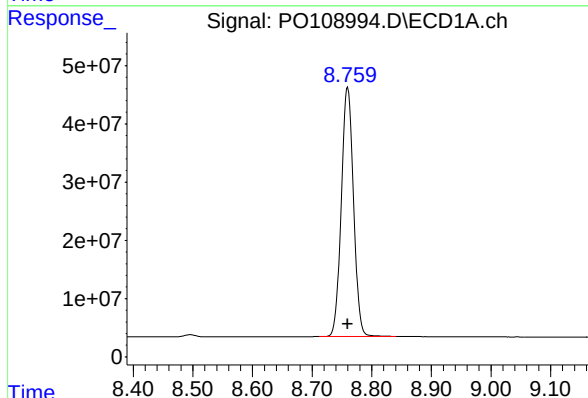
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 718459392
Conc: 95.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



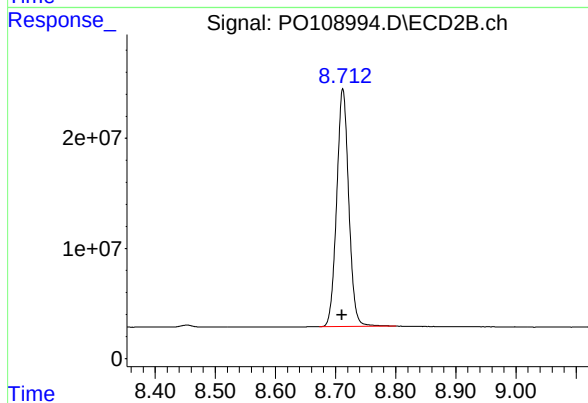
#1 Tetrachloro-m-xylene

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



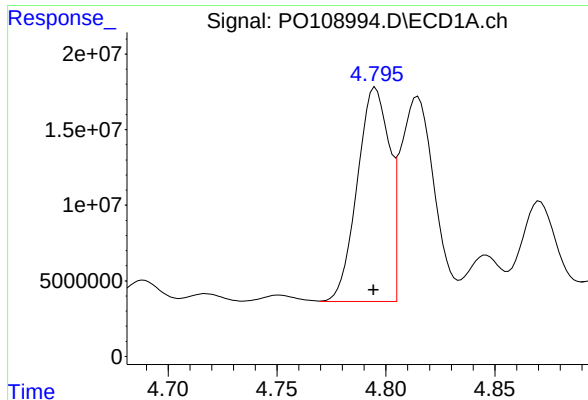
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

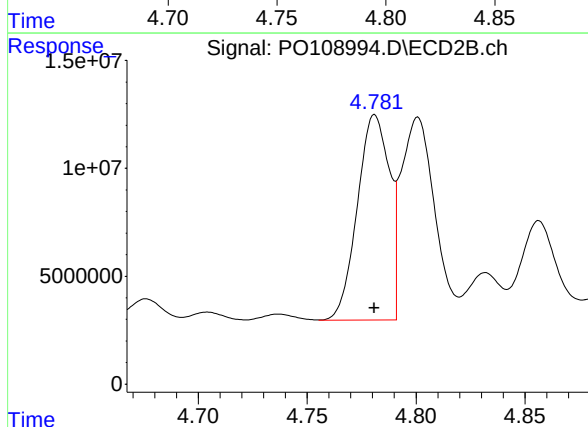
R.T.: 8.712 min
Delta R.T.: 0.001 min
Response: 300959540
Conc: 92.30 ng/ml



#21 AR-1248-1

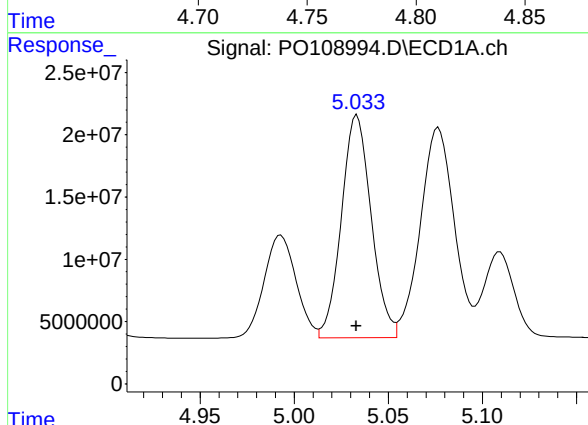
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 145246997
Conc: 920.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



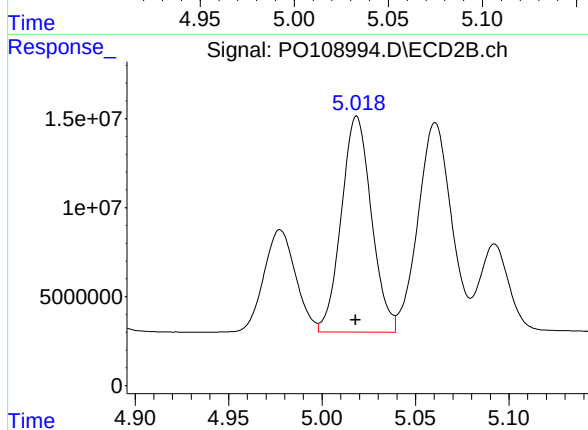
#21 AR-1248-1

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



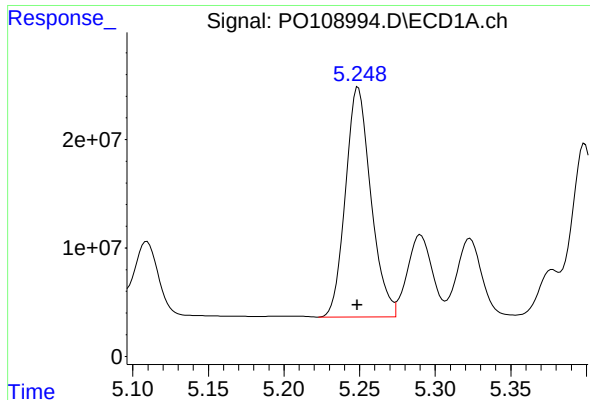
#22 AR-1248-2

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



#22 AR-1248-2

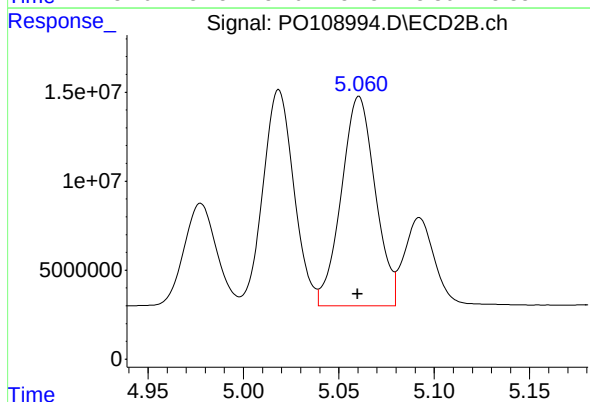
R.T.: 5.019 min
Delta R.T.: 0.000 min
Response: 135954819
Conc: 896.76 ng/ml



#23 AR-1248-3

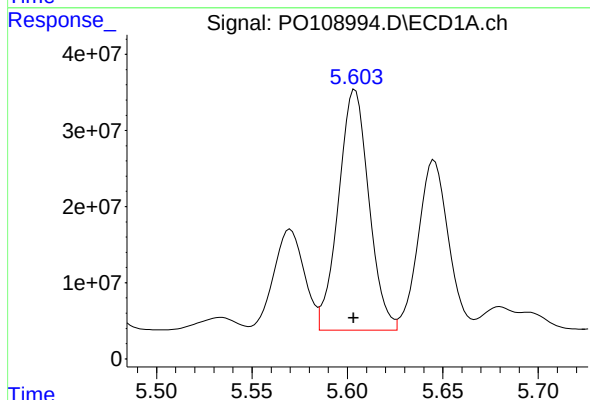
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 248188978
Conc: 916.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



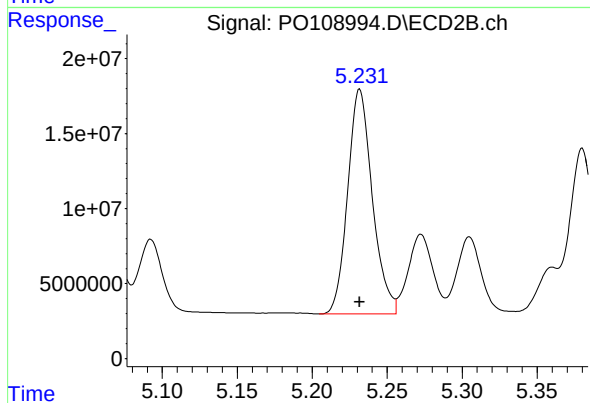
#23 AR-1248-3

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



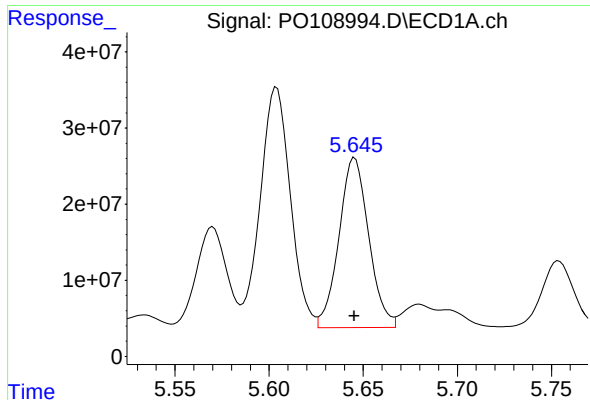
#24 AR-1248-4

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



#24 AR-1248-4

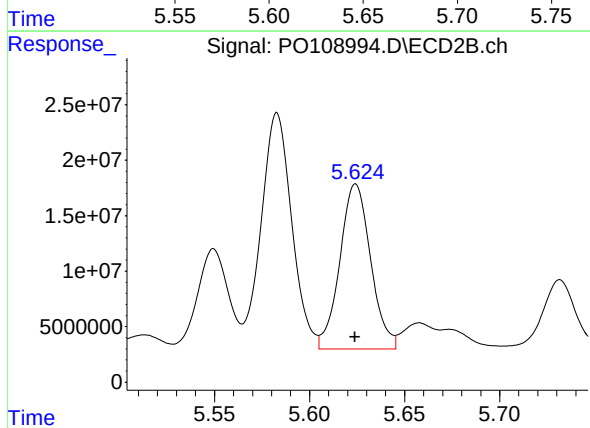
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 171715835
Conc: 913.96 ng/ml



#25 AR-1248-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108995.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\P0012125.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

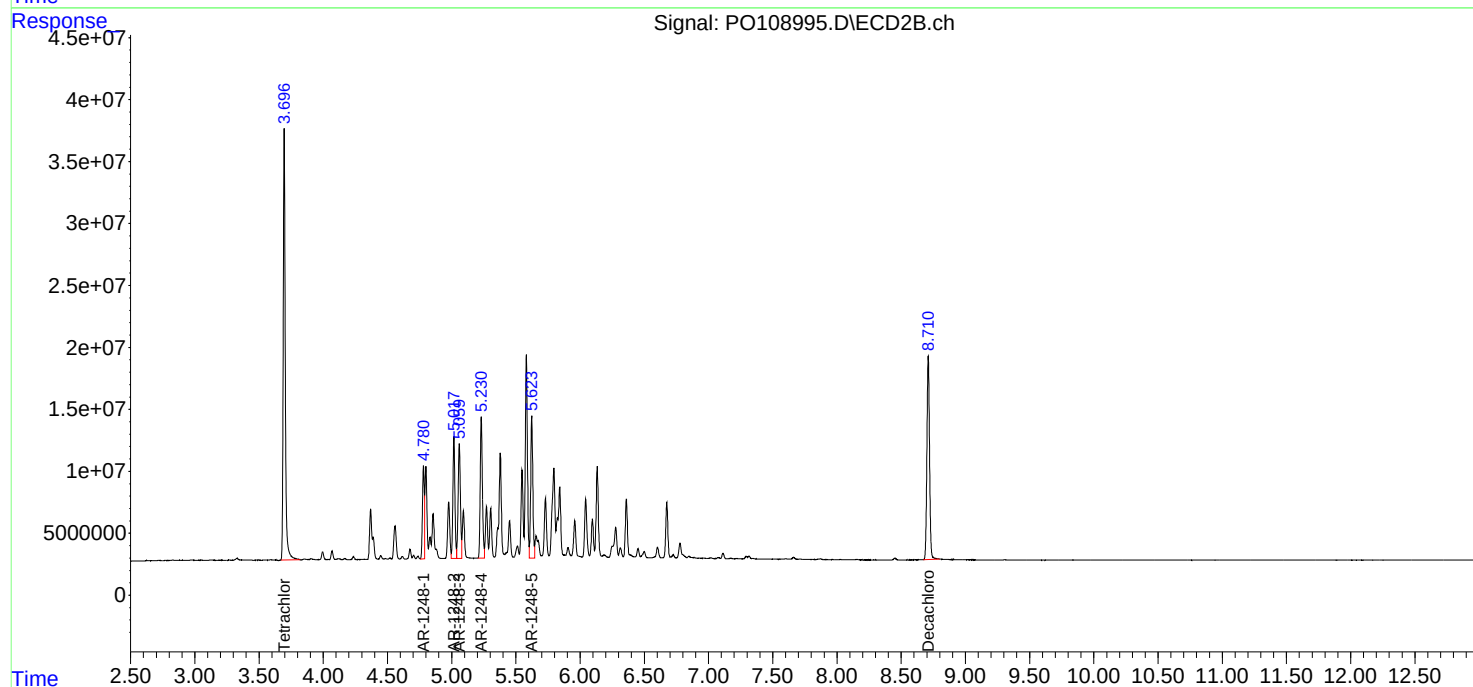
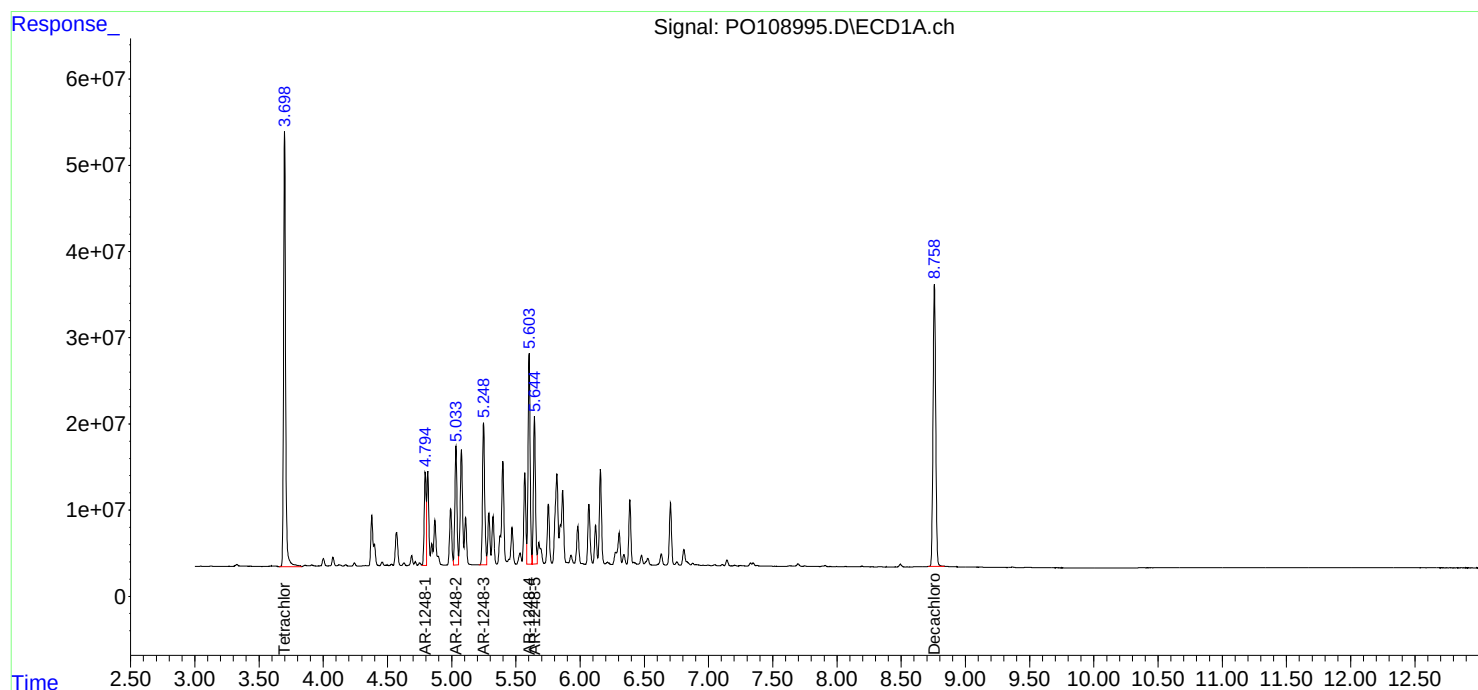
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

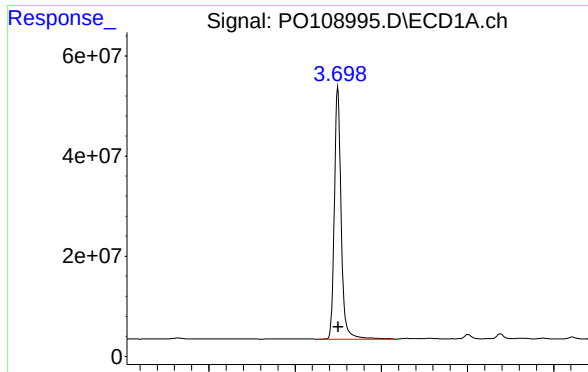
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:34
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

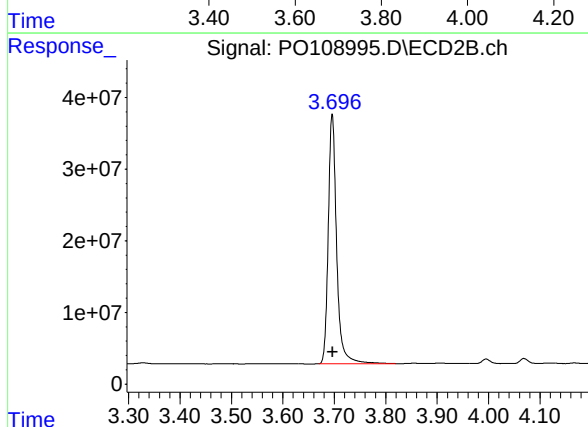




#1 Tetrachloro-m-xylene

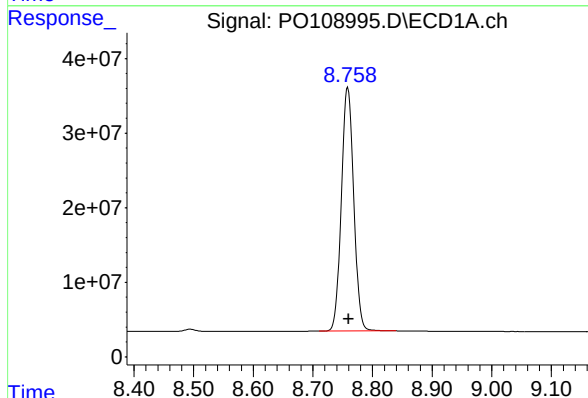
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 552779688
Conc: 73.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



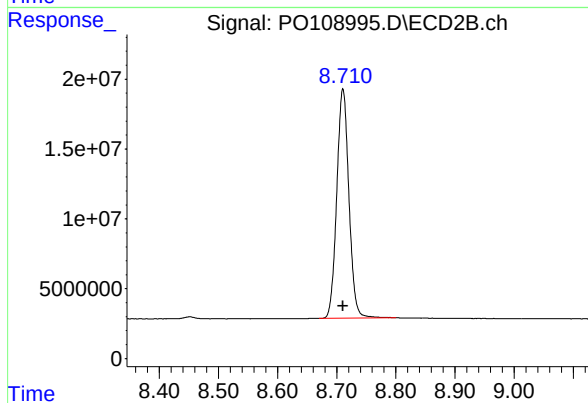
#1 Tetrachloro-m-xylene

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



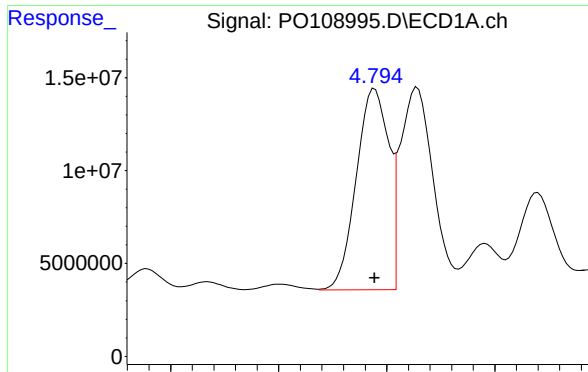
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

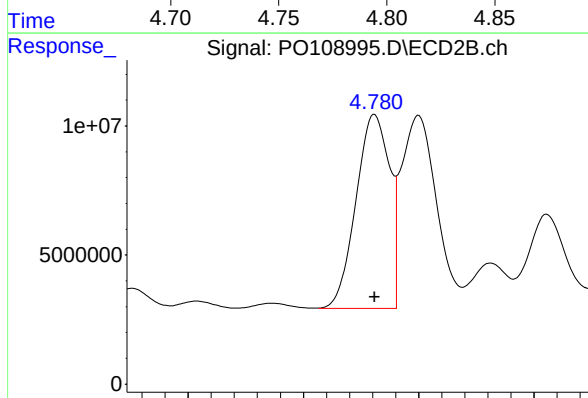
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 234452200
Conc: 71.91 ng/ml



#21 AR-1248-1

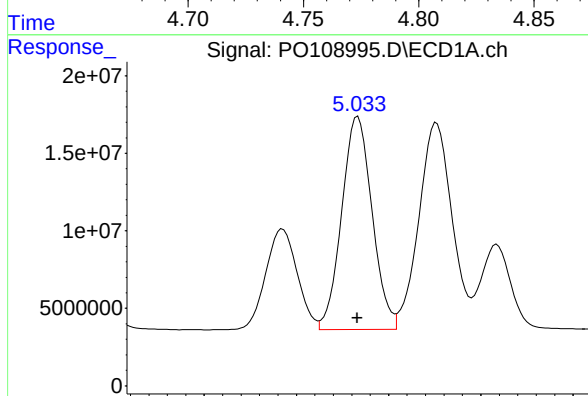
R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 112840417
Conc: 715.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



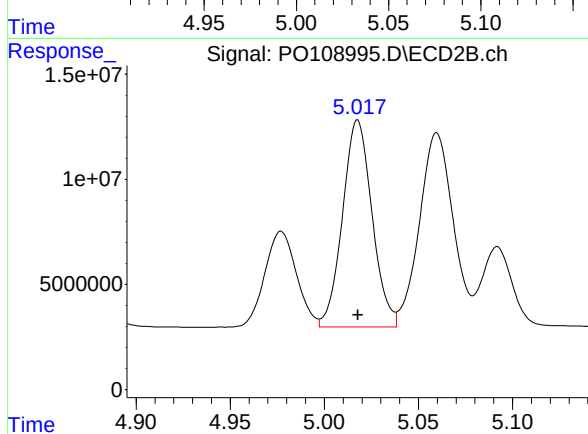
#21 AR-1248-1

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



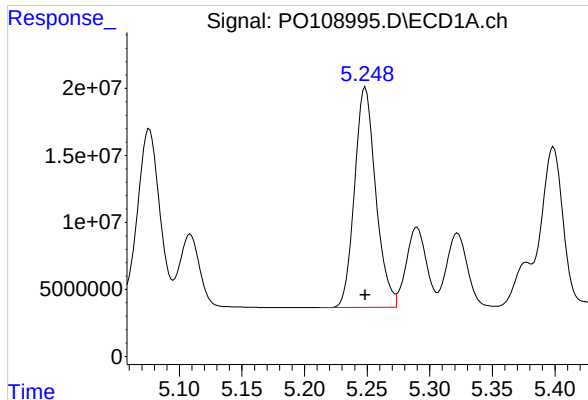
#22 AR-1248-2

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



#22 AR-1248-2

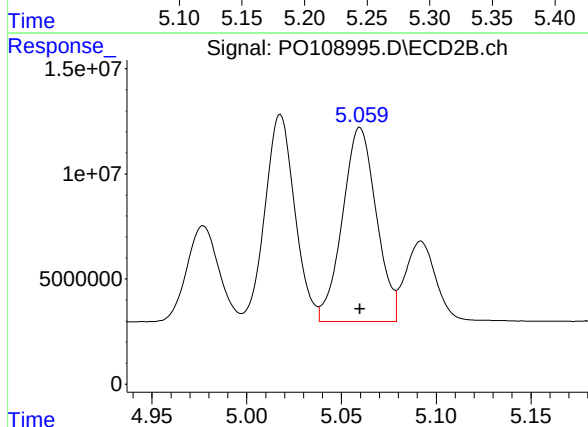
R.T.: 5.018 min
Delta R.T.: 0.000 min
Response: 107507727
Conc: 709.13 ng/ml



#23 AR-1248-3

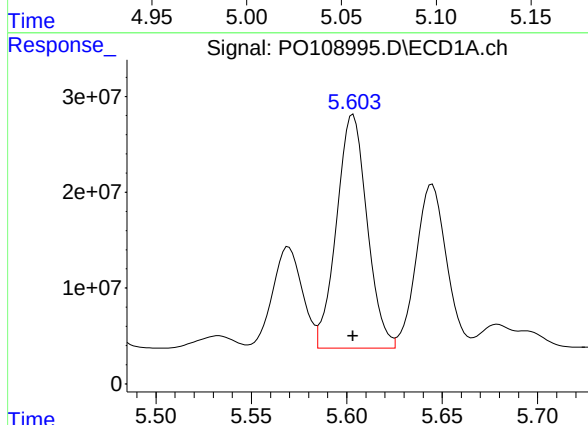
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 193391726
Conc: 714.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



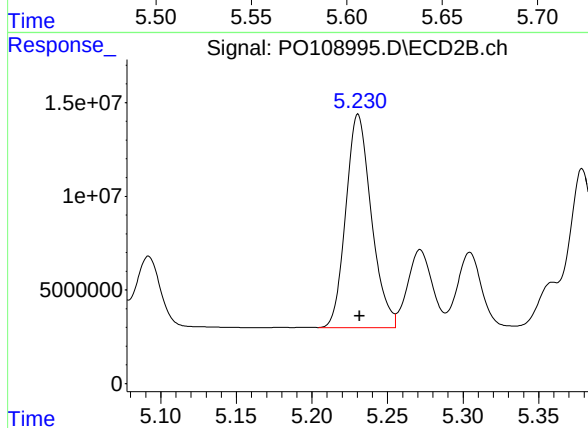
#23 AR-1248-3

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



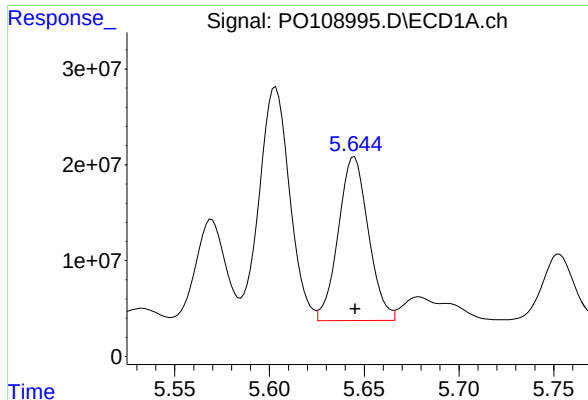
#24 AR-1248-4

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



#24 AR-1248-4

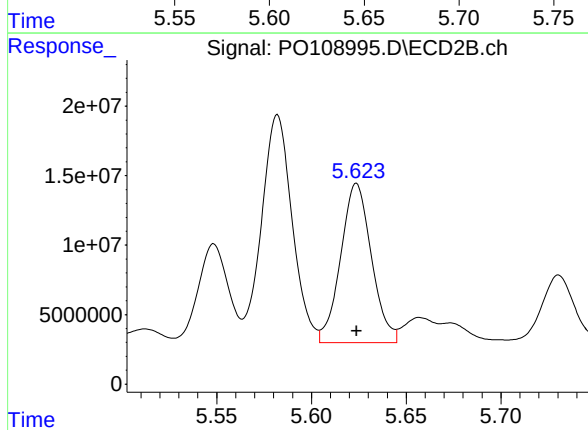
R.T.: 5.231 min
Delta R.T.: -0.001 min
Response: 134144666
Conc: 713.99 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108996.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\P0012125.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

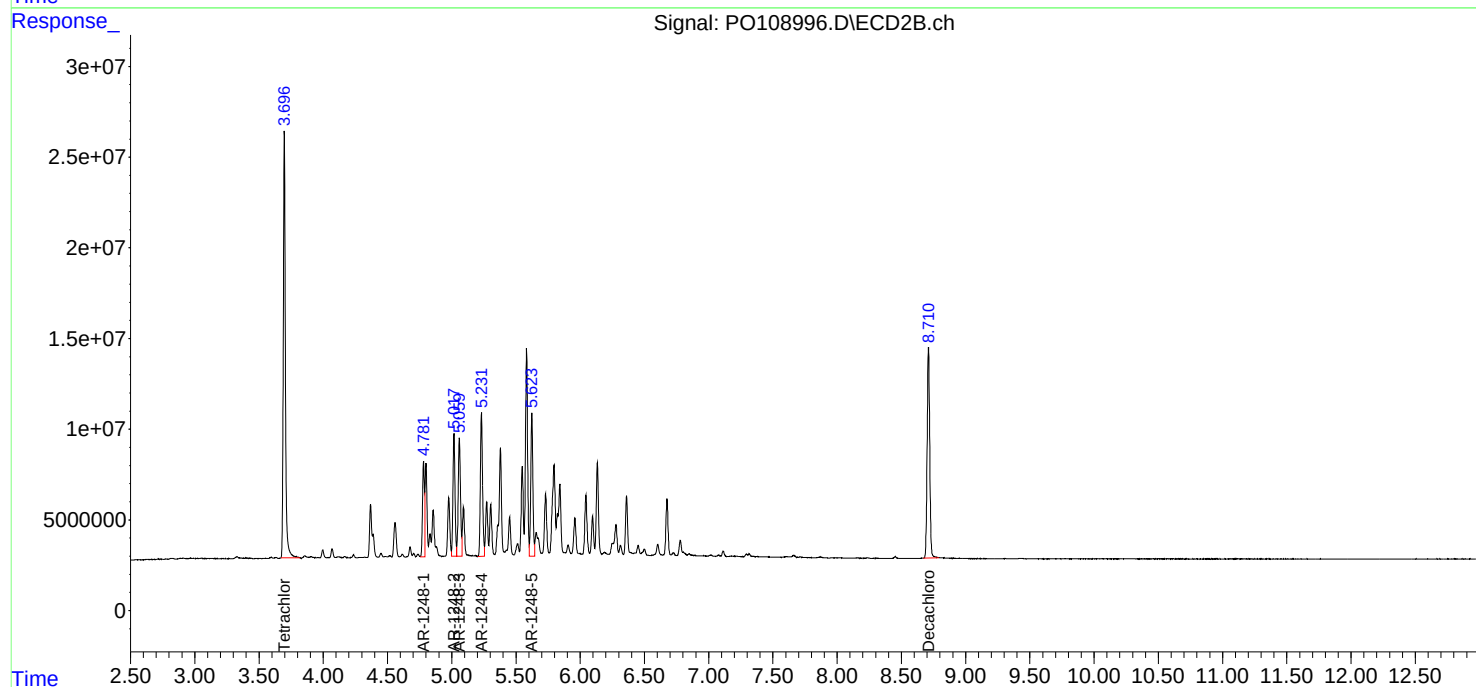
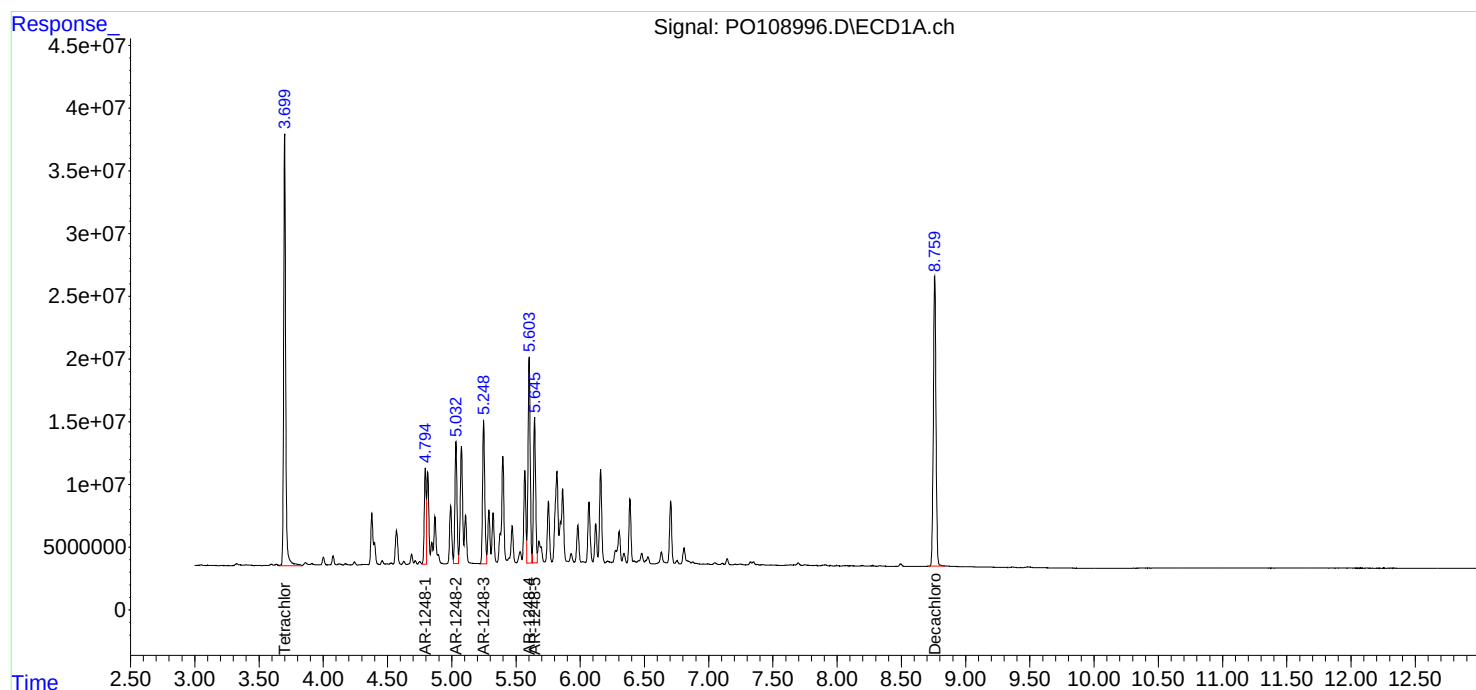
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

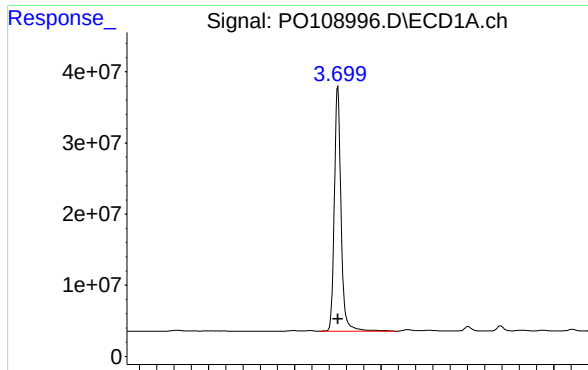
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 21:52
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

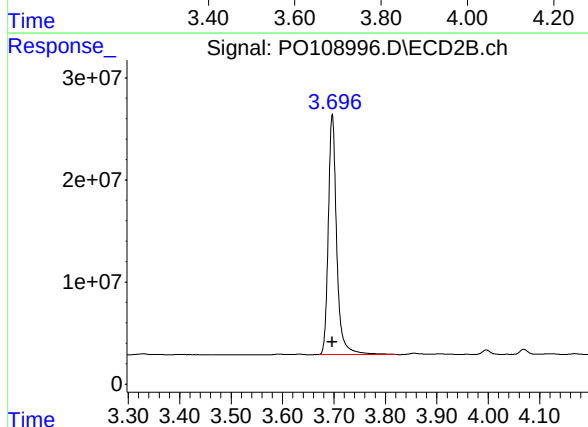




#1 Tetrachloro-m-xylene

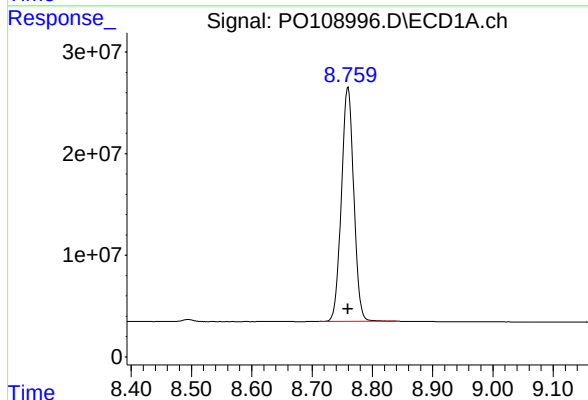
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 374217584
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



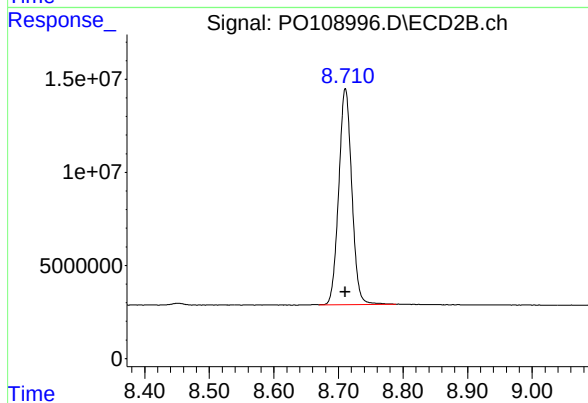
#1 Tetrachloro-m-xylene

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



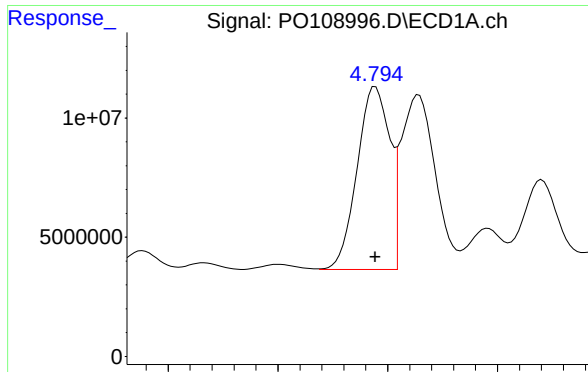
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

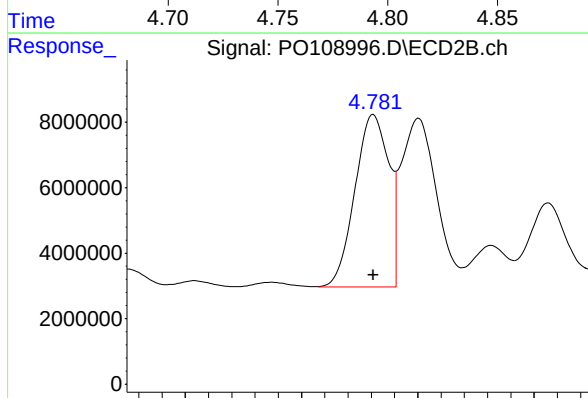
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 163027796
Conc: 50.00 ng/ml



#21 AR-1248-1

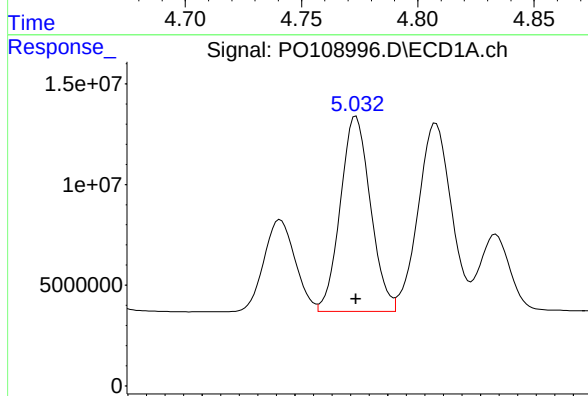
R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 78890582
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



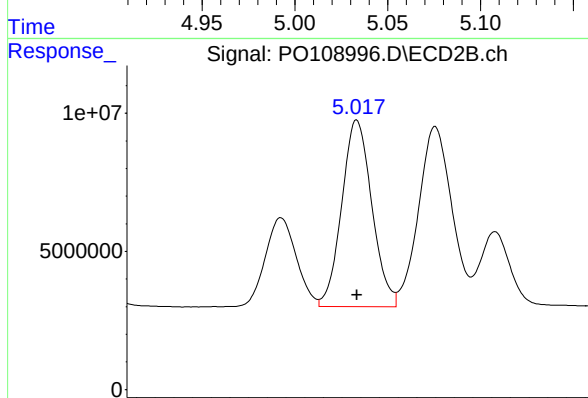
#21 AR-1248-1

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



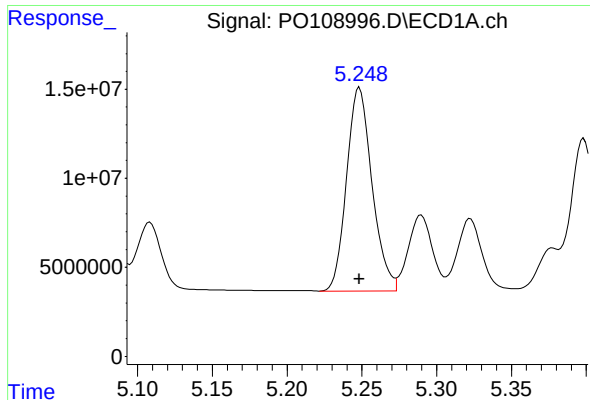
#22 AR-1248-2

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



#22 AR-1248-2

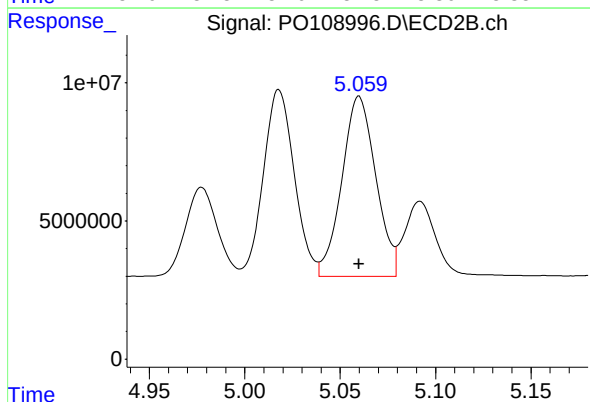
R.T.: 5.018 min
Delta R.T.: 0.000 min
Response: 75802980
Conc: 500.00 ng/ml



#23 AR-1248-3

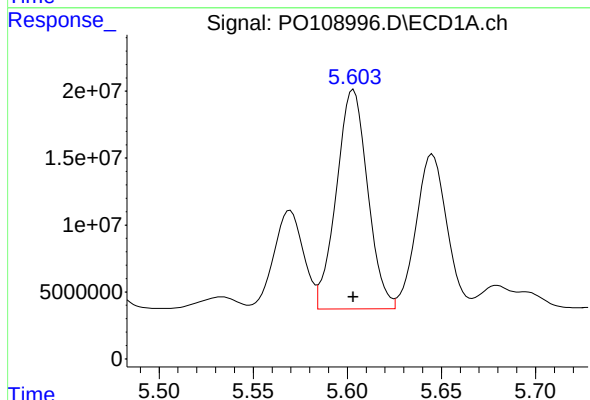
R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 135345120
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



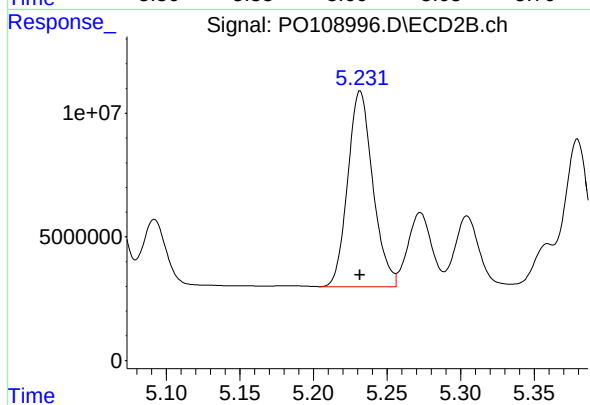
#23 AR-1248-3

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



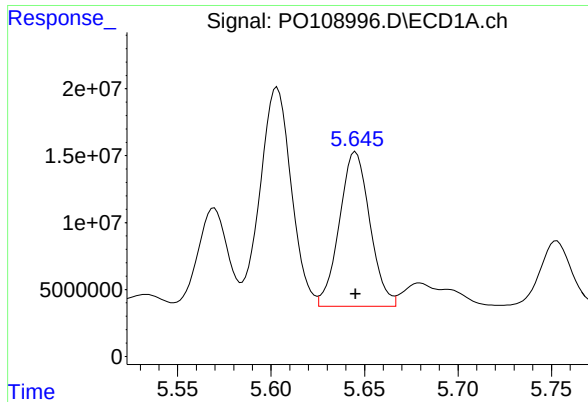
#24 AR-1248-4

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



#24 AR-1248-4

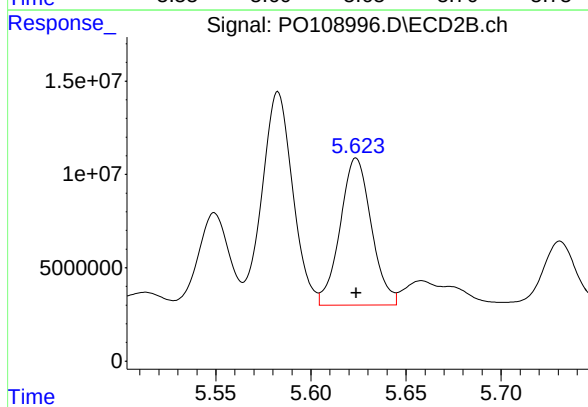
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 93940710
Conc: 500.00 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108997.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\P0012125.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

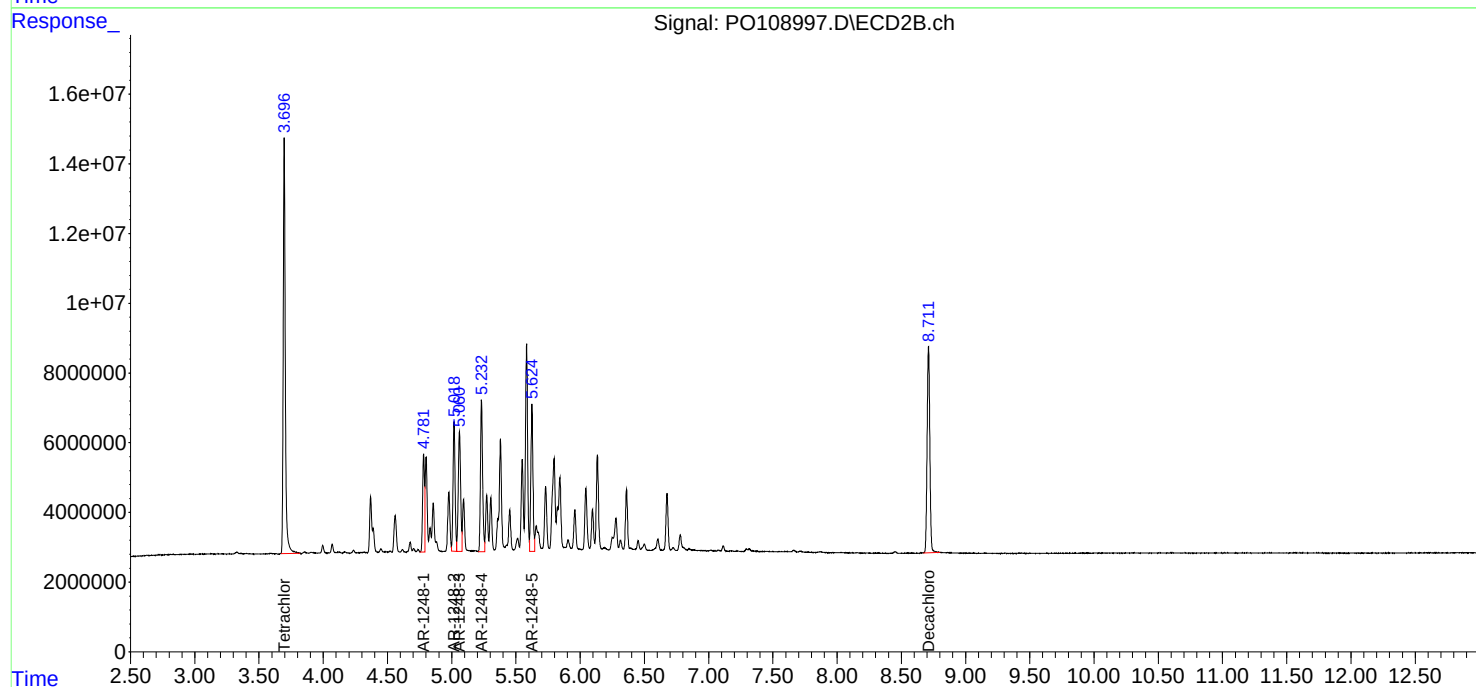
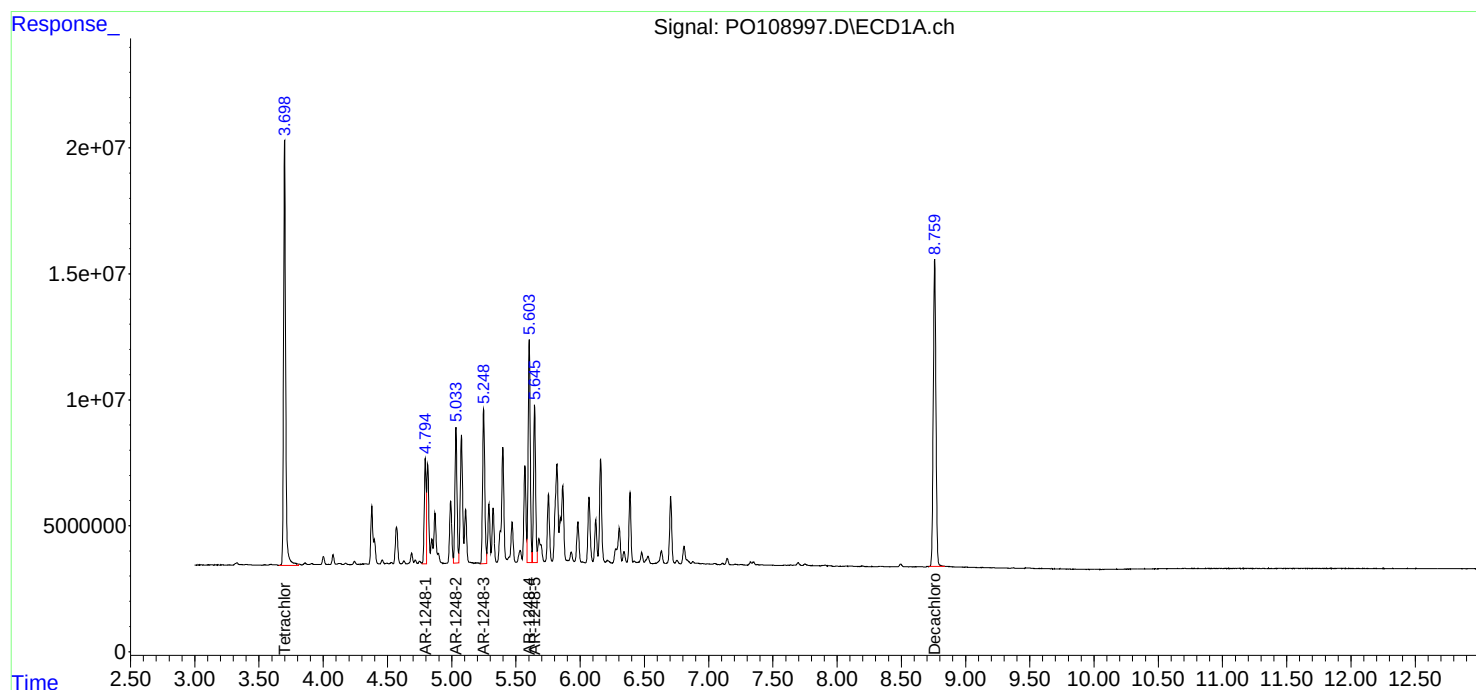
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

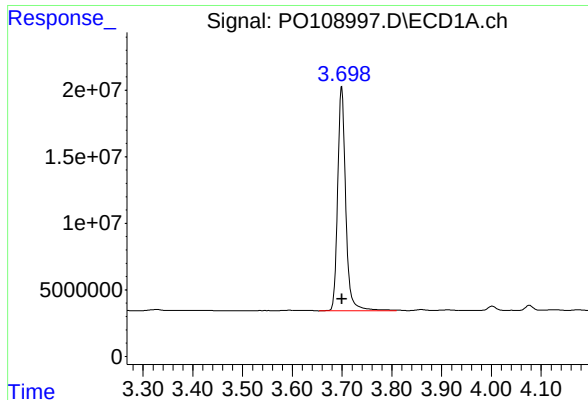
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:10
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

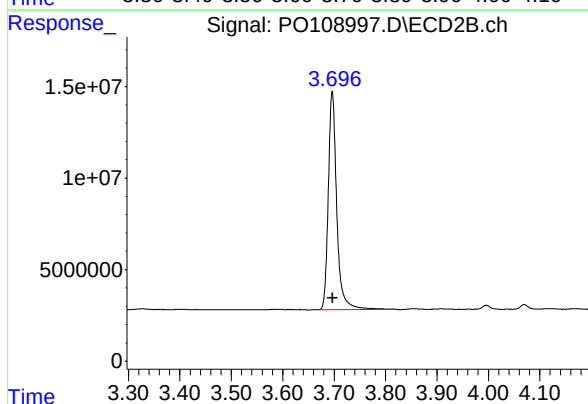




#1 Tetrachloro-m-xylene

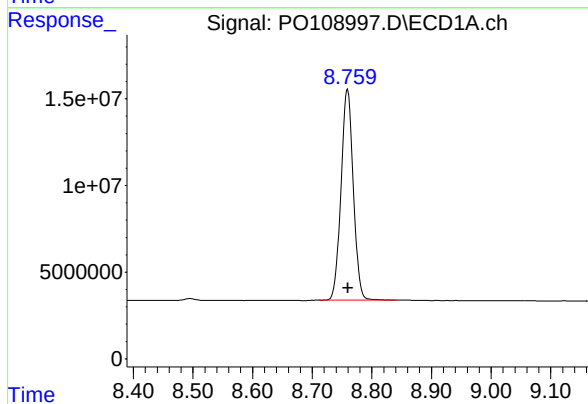
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 191343021
Conc: 25.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



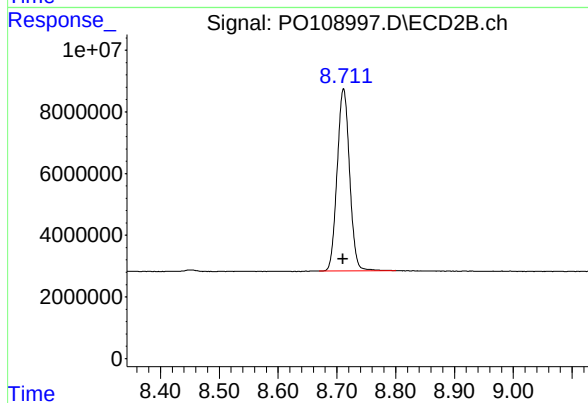
#1 Tetrachloro-m-xylene

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



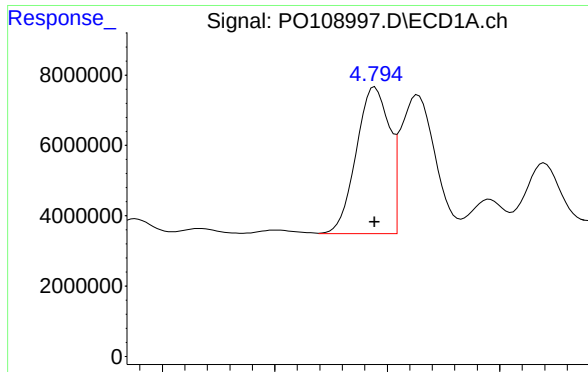
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

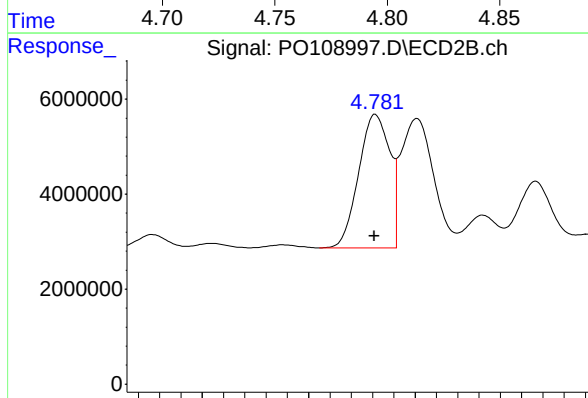
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 86988370
Conc: 26.68 ng/ml



#21 AR-1248-1

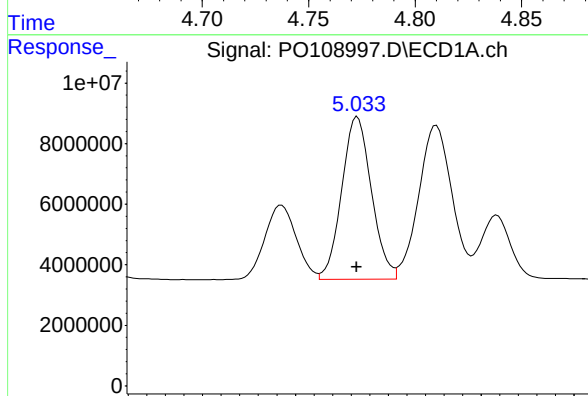
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 42629916
Conc: 270.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



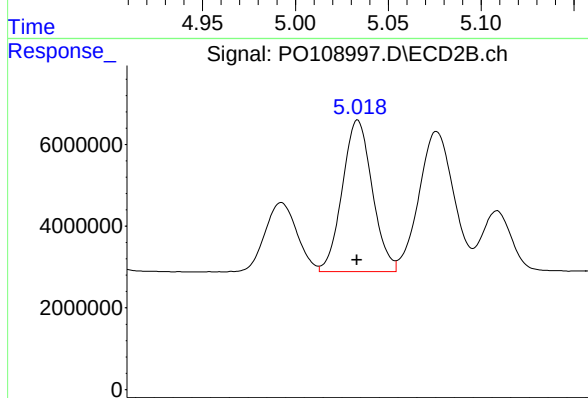
#21 AR-1248-1

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



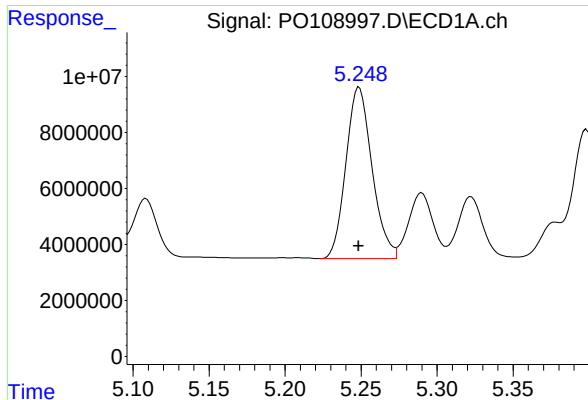
#22 AR-1248-2

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



#22 AR-1248-2

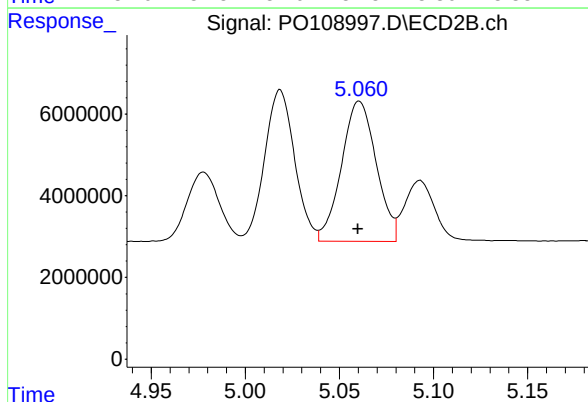
R.T.: 5.019 min
Delta R.T.: 0.000 min
Response: 41236941
Conc: 272.00 ng/ml



#23 AR-1248-3

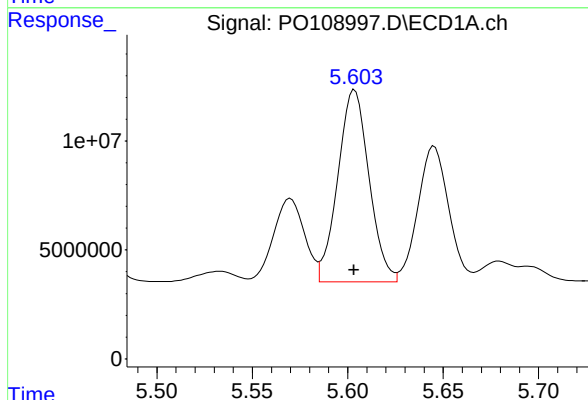
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 73317527
Conc: 270.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



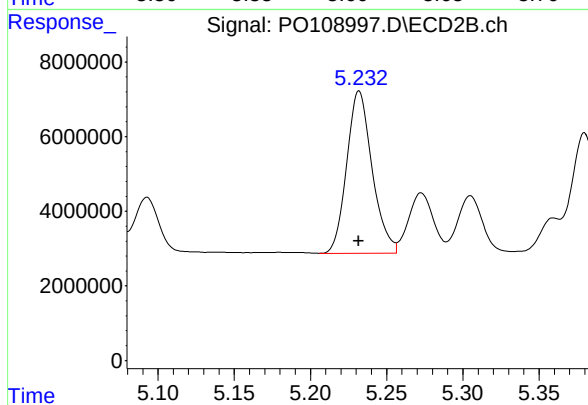
#23 AR-1248-3

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



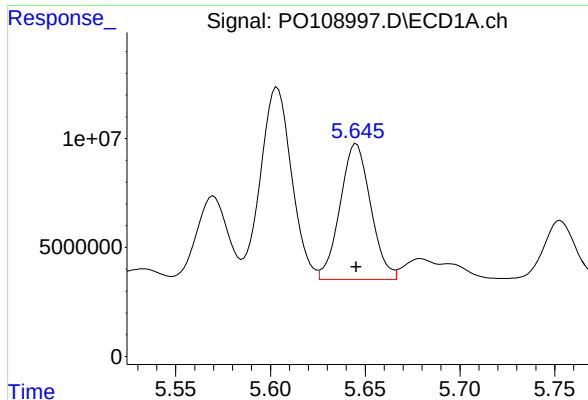
#24 AR-1248-4

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



#24 AR-1248-4

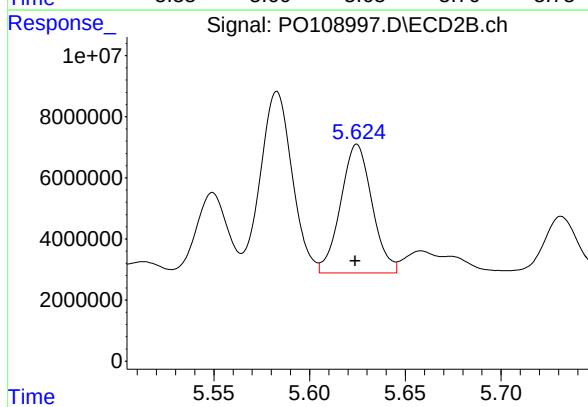
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 50659856
Conc: 269.64 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108998.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\P0012125.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.

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

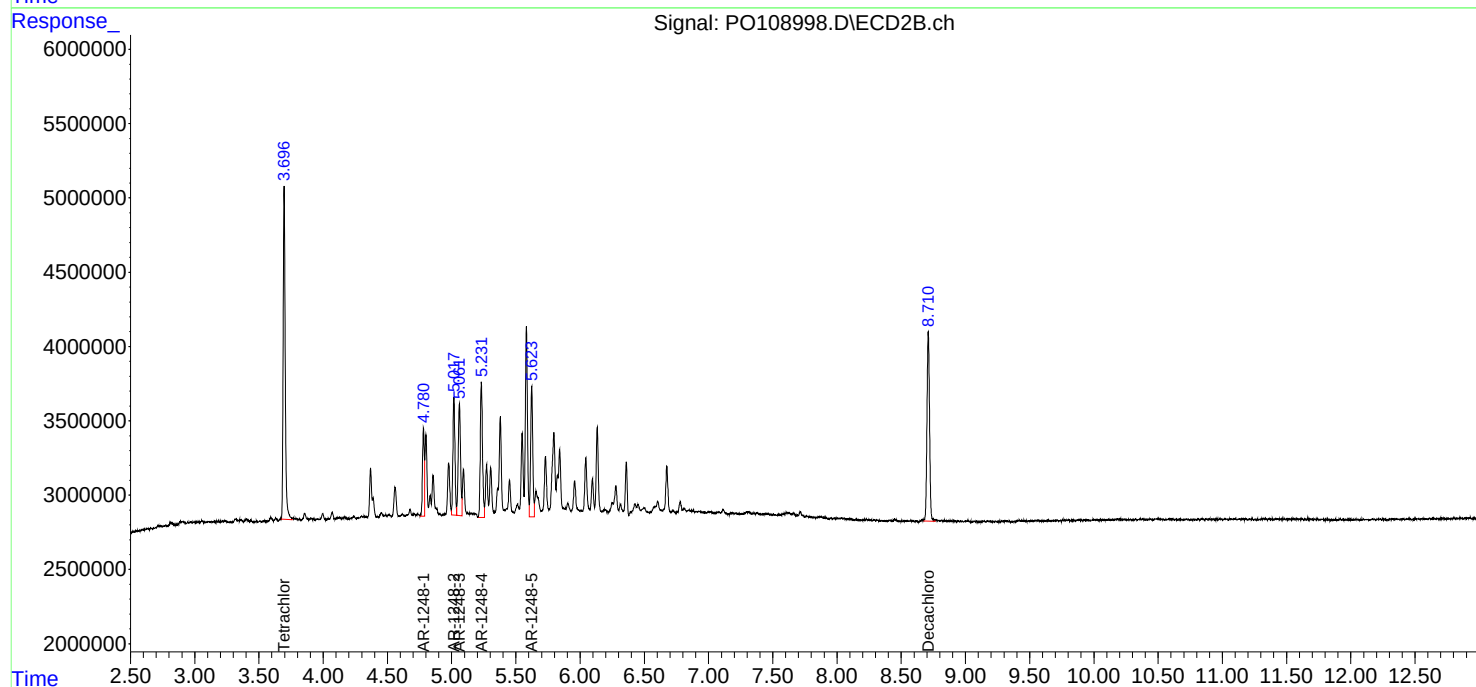
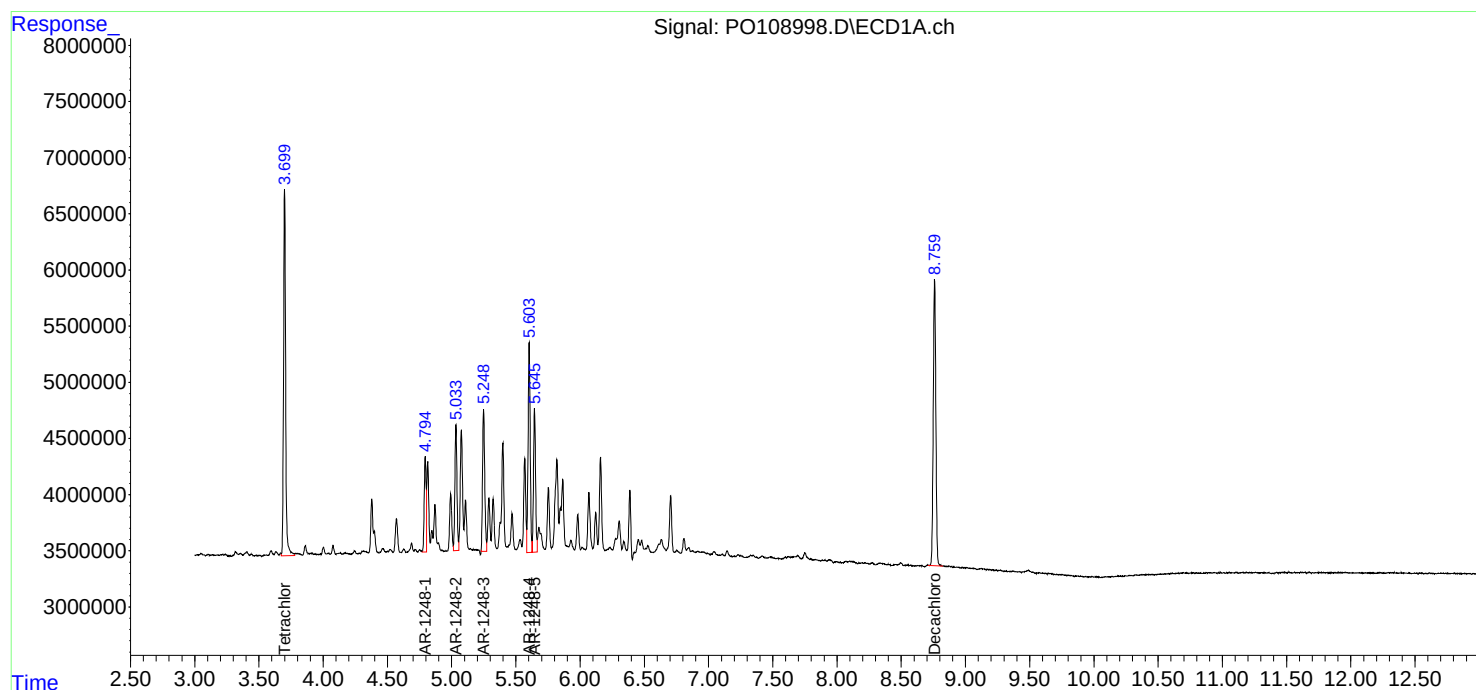
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

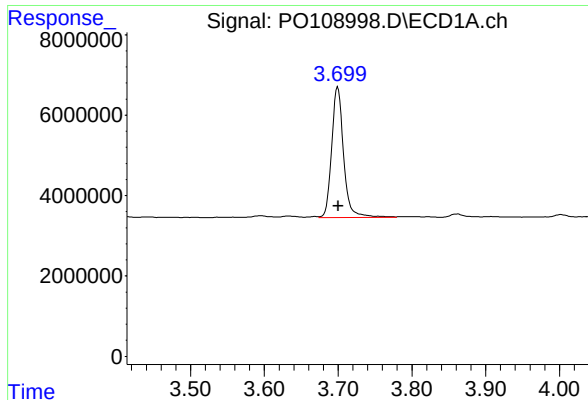
Manual Integrations
APPROVED

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





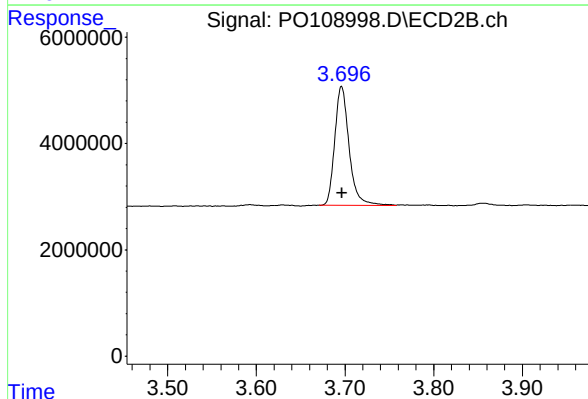
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

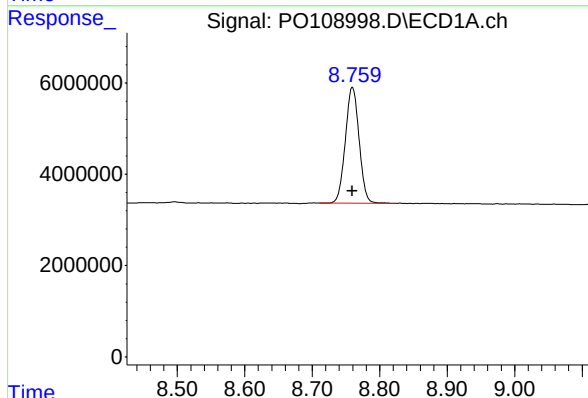
Manual Integrations
APPROVED

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



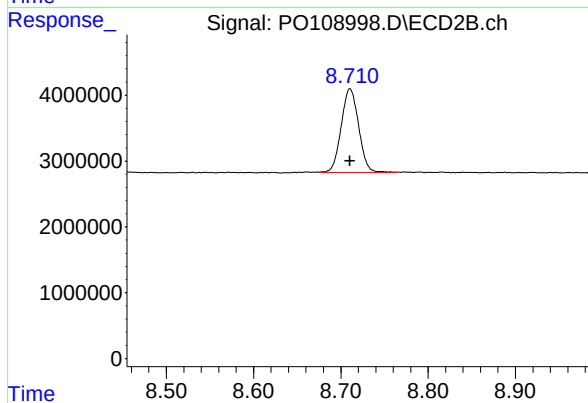
#1 Tetrachloro-m-xylene

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



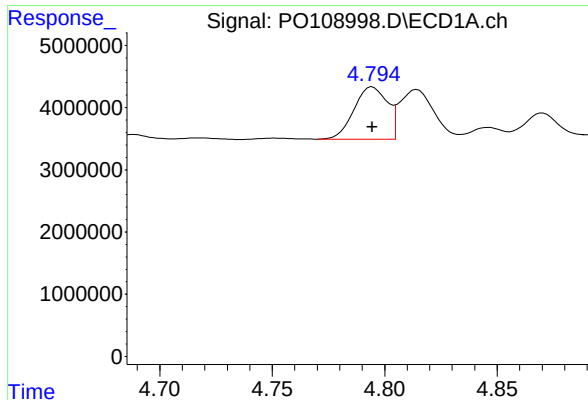
#2 Decachlorobiphenyl

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



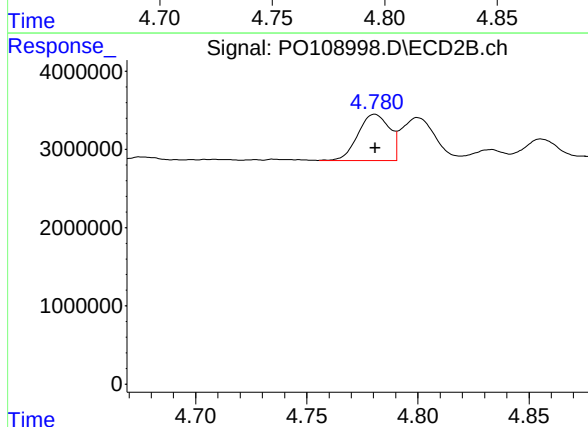
#21 AR-1248-1

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

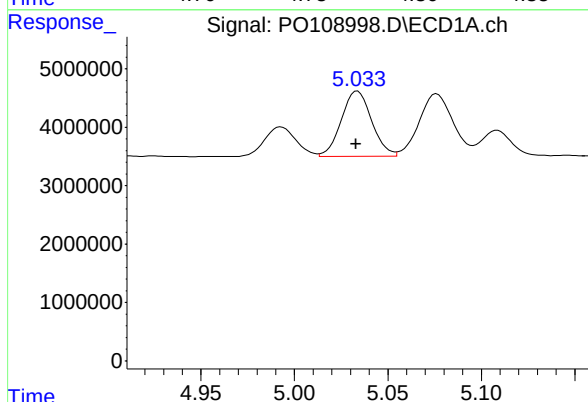
Manual Integrations
APPROVED

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



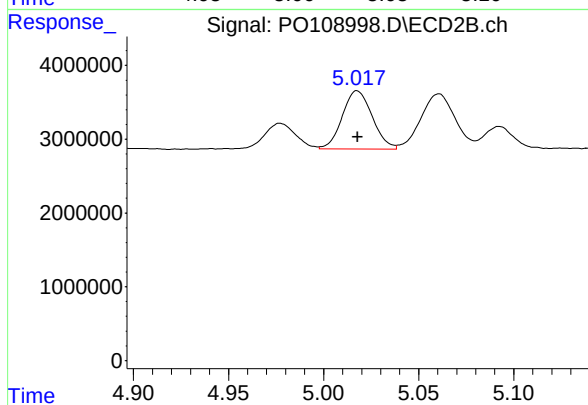
#21 AR-1248-1

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



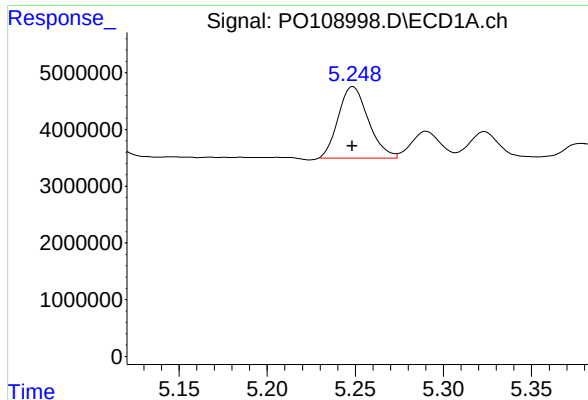
#22 AR-1248-2

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



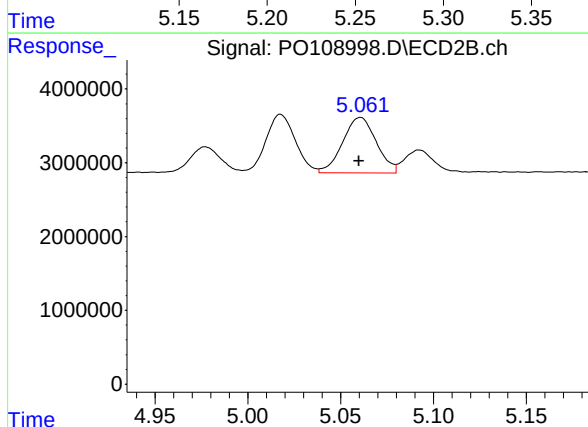
#23 AR-1248-3

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

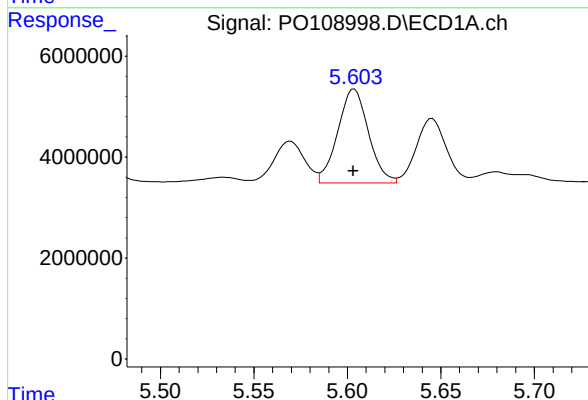
Manual Integrations
APPROVED

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



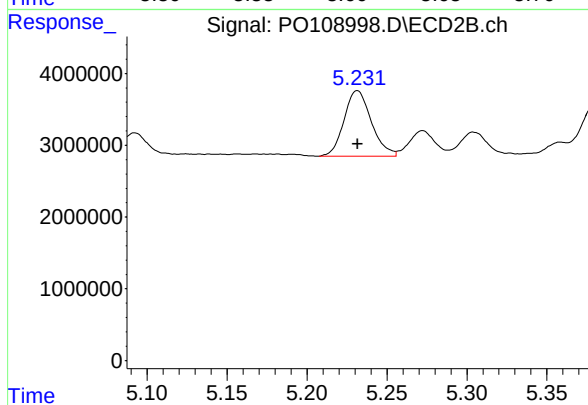
#23 AR-1248-3

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



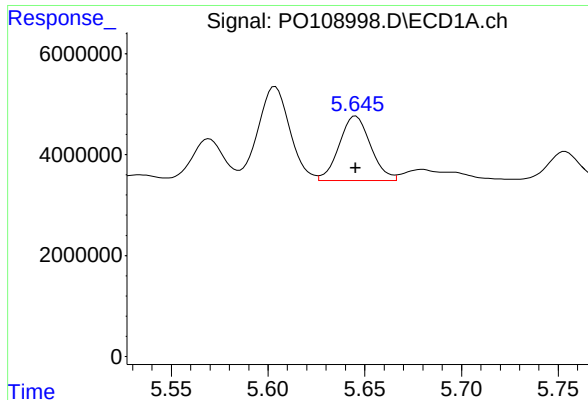
#24 AR-1248-4

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



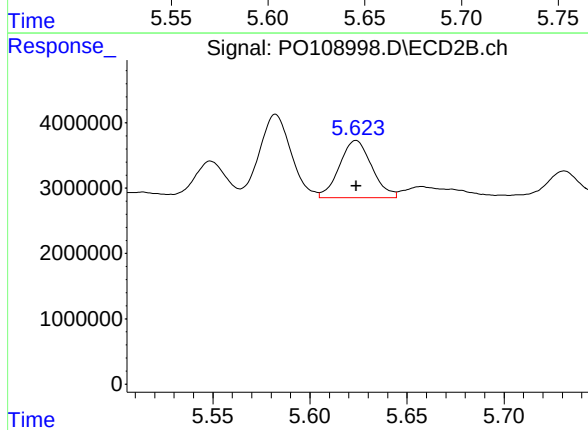
#25 AR-1248-5

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0108999.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\P0012125.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

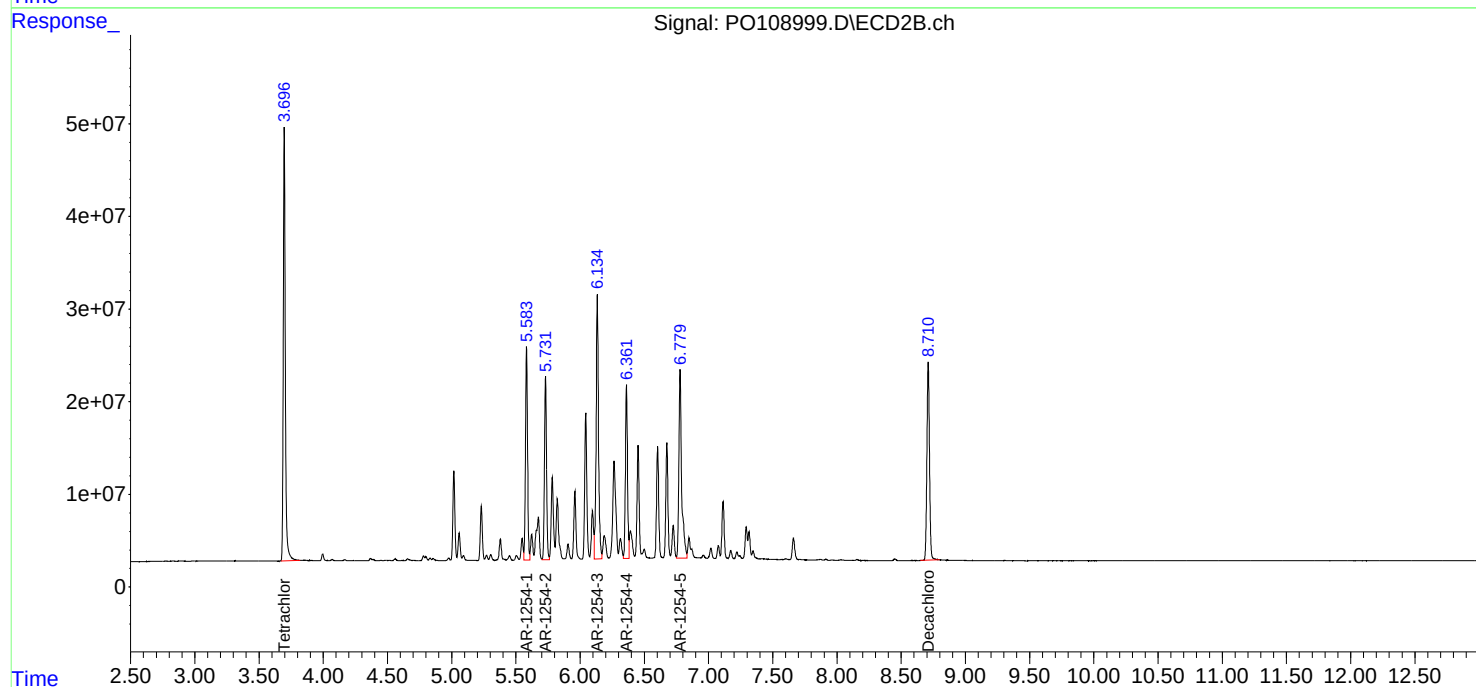
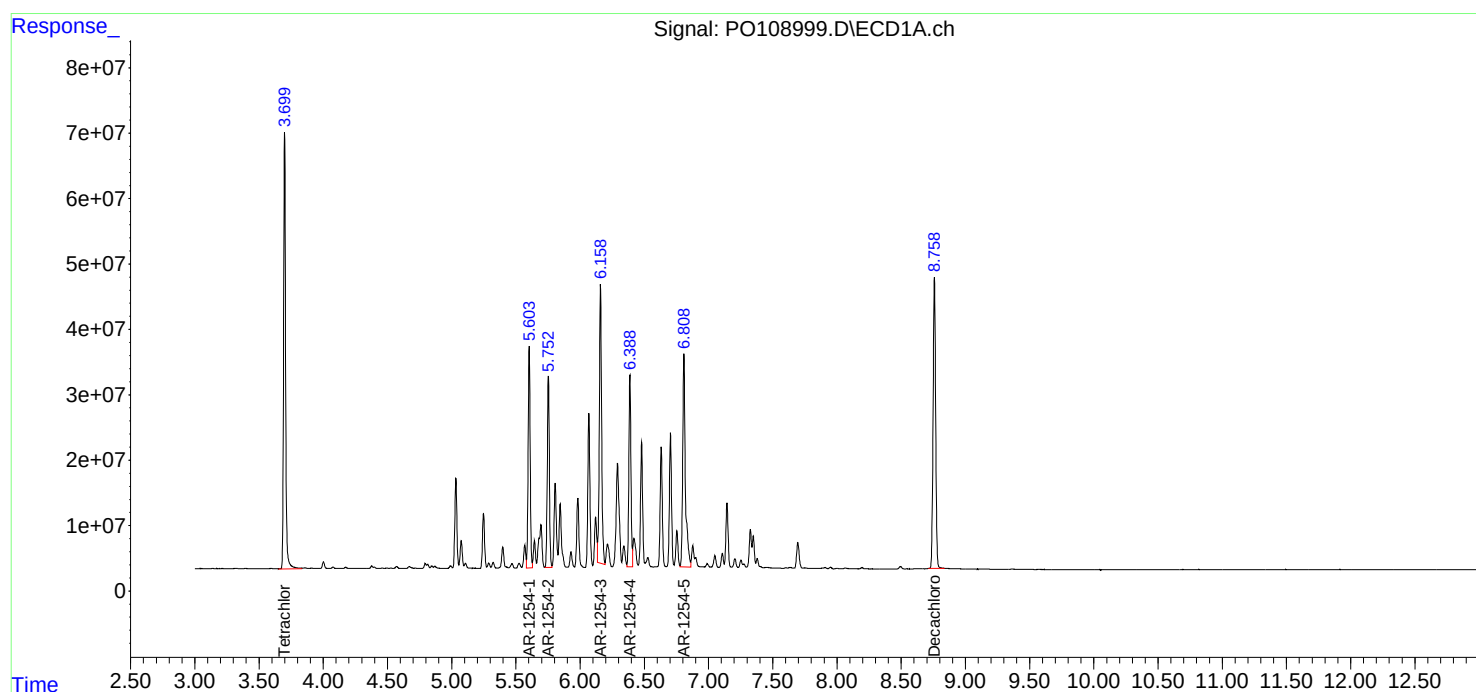
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

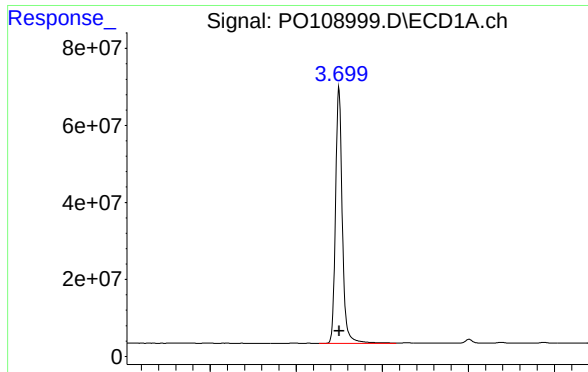
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 22:47
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

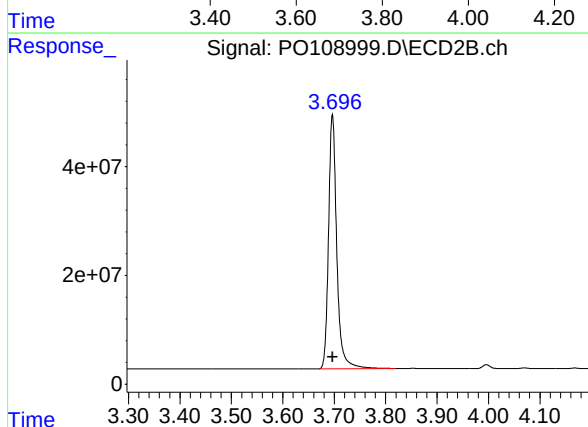




#1 Tetrachloro-m-xylene

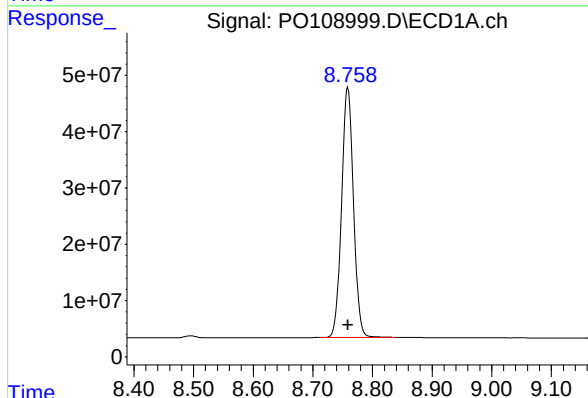
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 726663534
Conc: 94.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



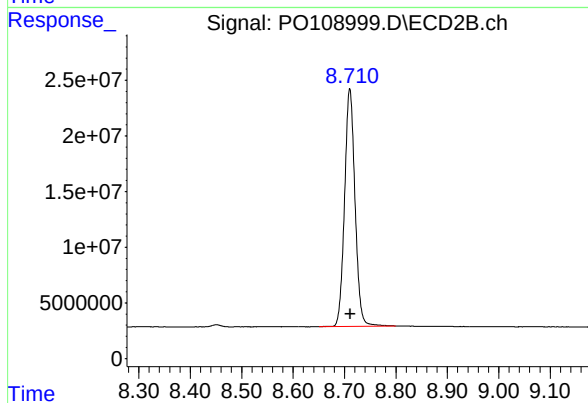
#1 Tetrachloro-m-xylene

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



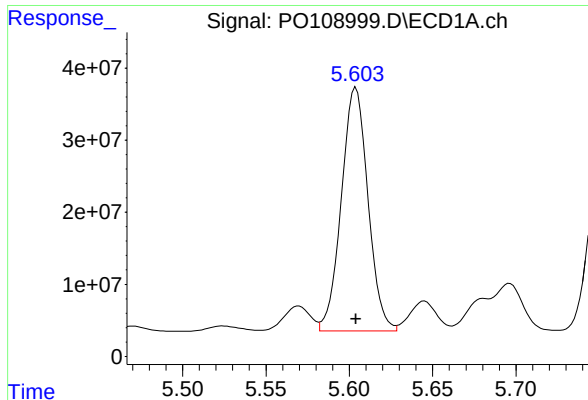
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

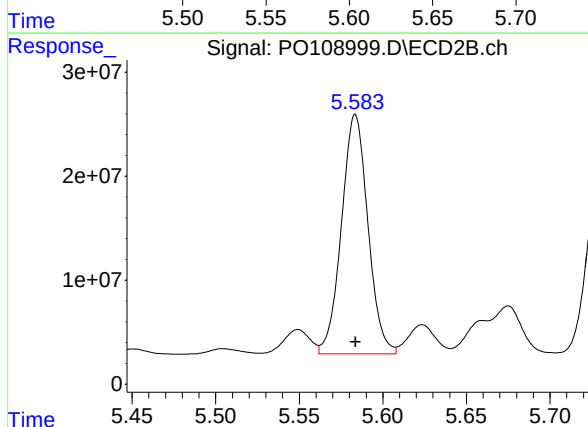
R.T.: 8.710 min
Delta R.T.: -0.001 min
Response: 300941803
Conc: 91.91 ng/ml



#26 AR-1254-1

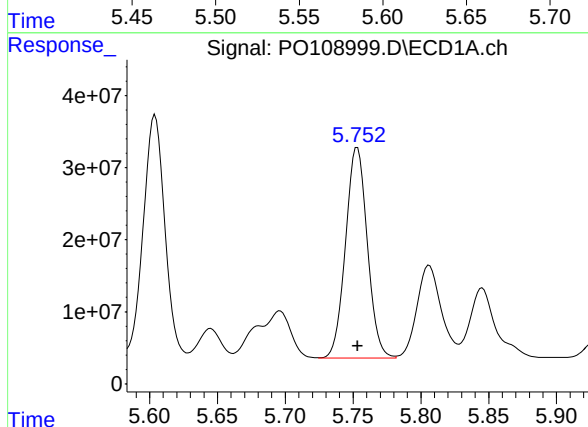
R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 374847163
Conc: 912.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



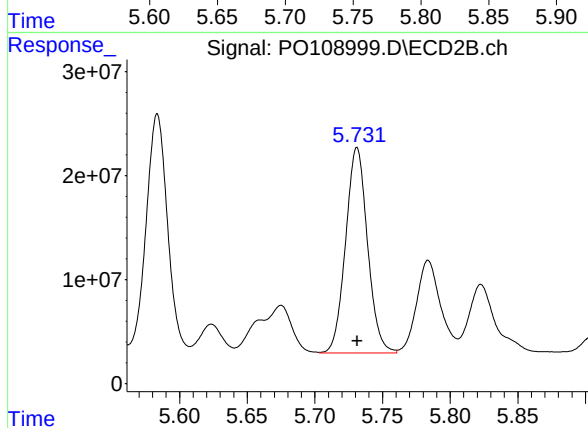
#26 AR-1254-1

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



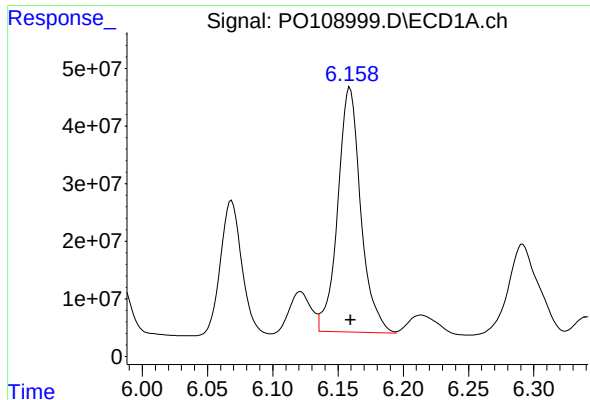
#27 AR-1254-2

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



#27 AR-1254-2

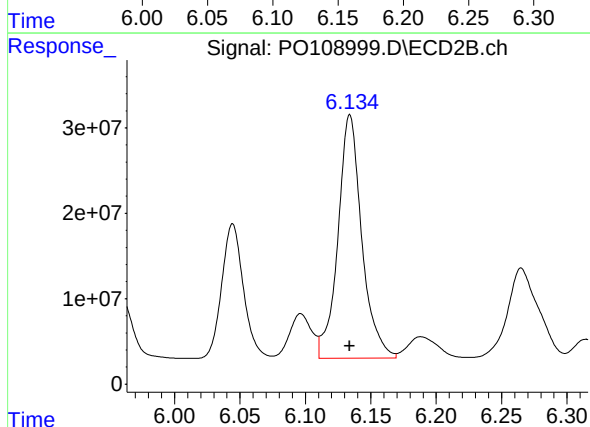
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 223099297
Conc: 901.84 ng/ml



#28 AR-1254-3

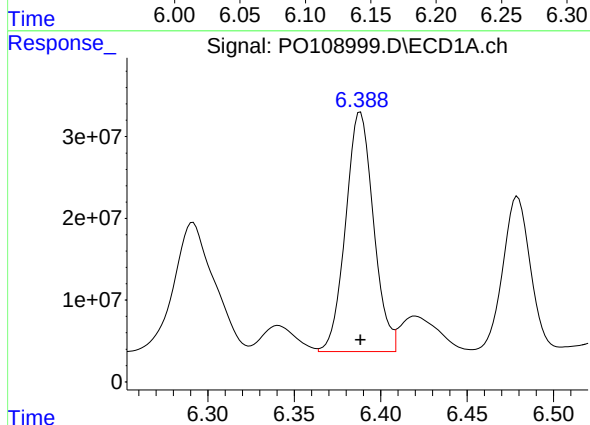
R.T.: 6.159 min
Delta R.T.: 0.000 min
Response: 522141746
Conc: 928.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



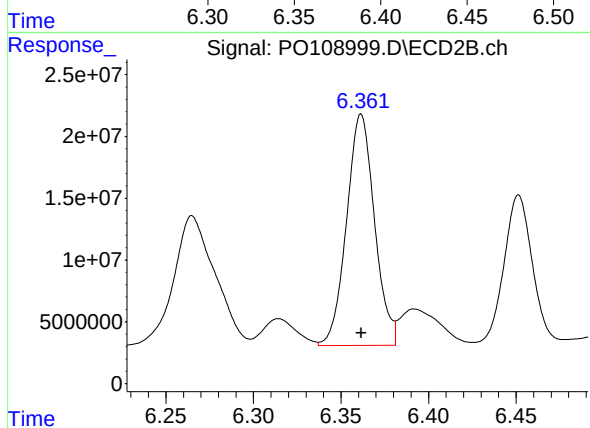
#28 AR-1254-3

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



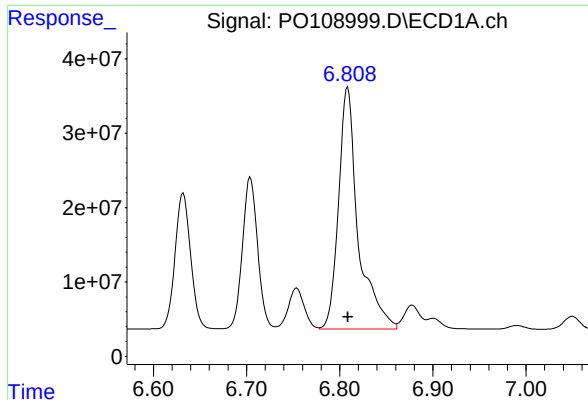
#29 AR-1254-4

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



#29 AR-1254-4

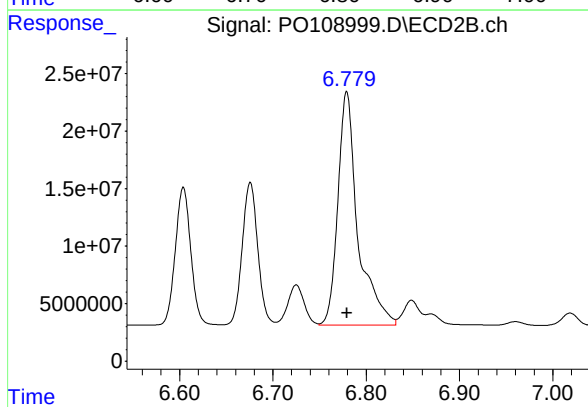
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 207964031
Conc: 934.90 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109000.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\P0012125.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

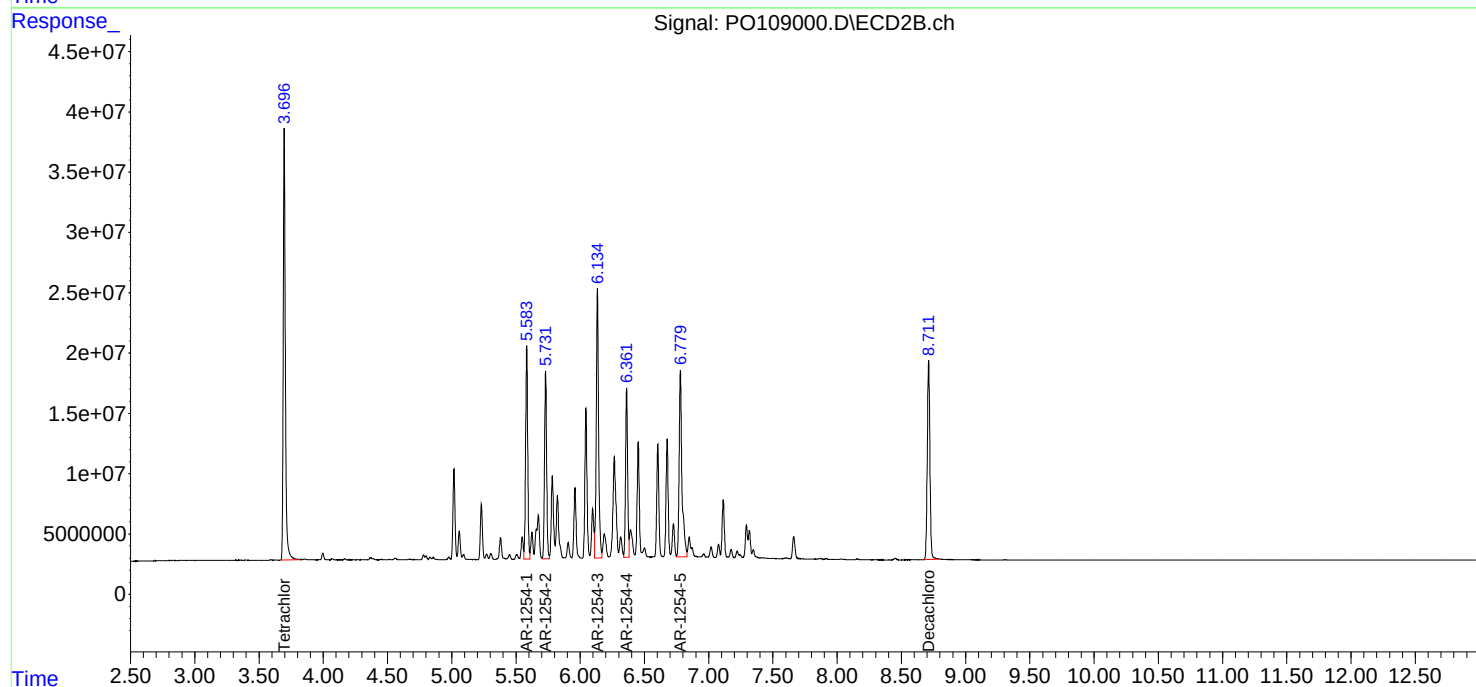
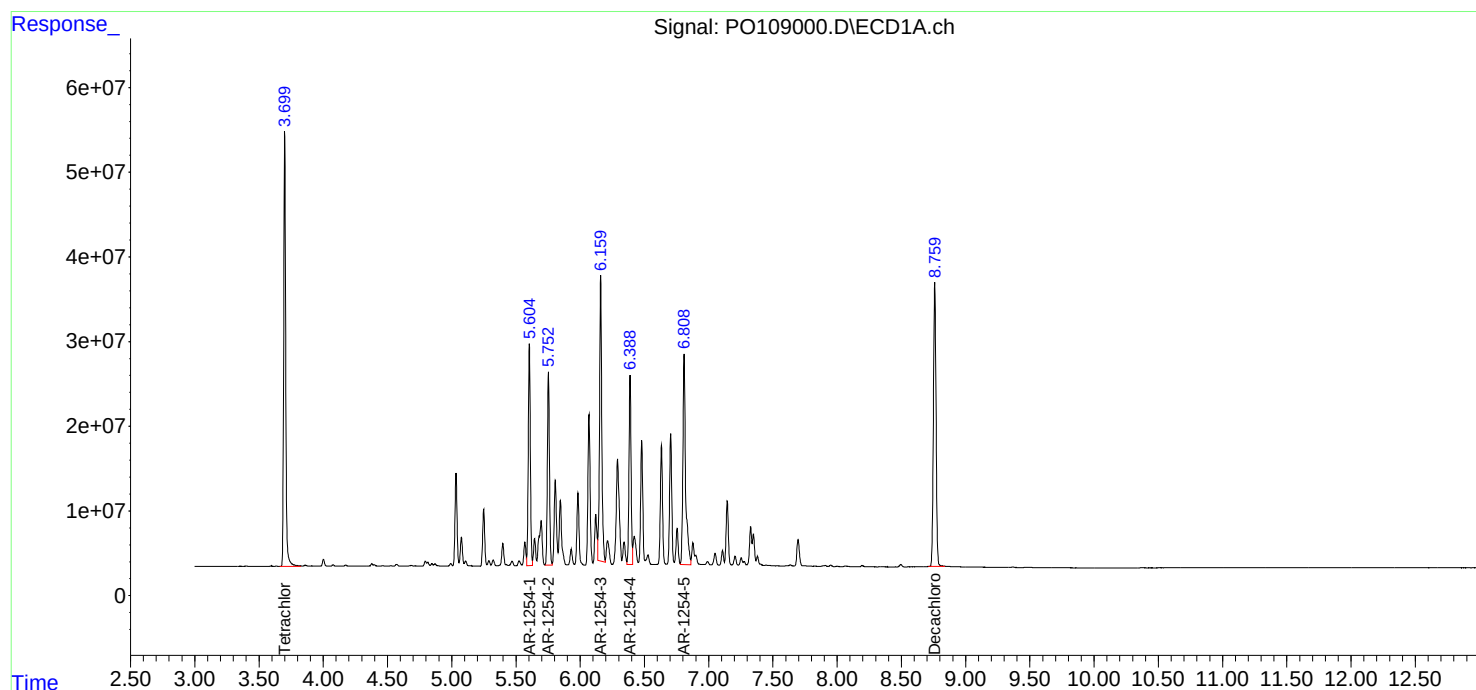
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

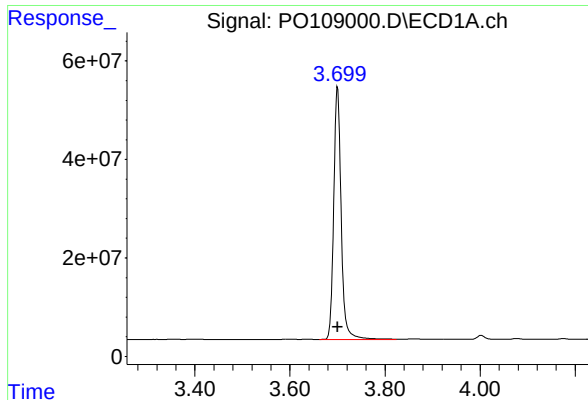
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:05
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

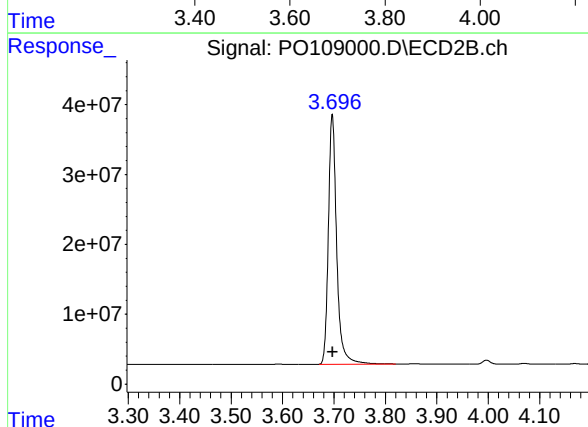




#1 Tetrachloro-m-xylene

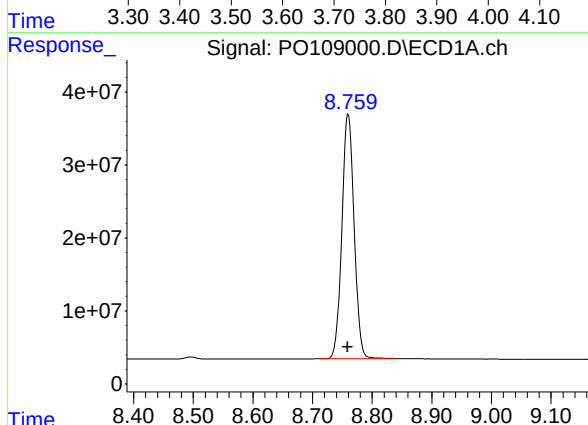
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 558981068
Conc: 72.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



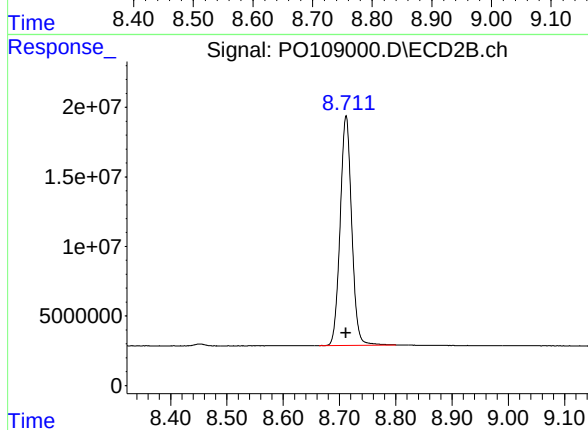
#1 Tetrachloro-m-xylene

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



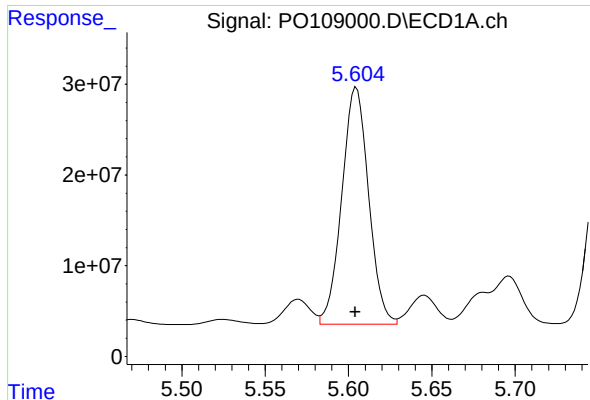
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

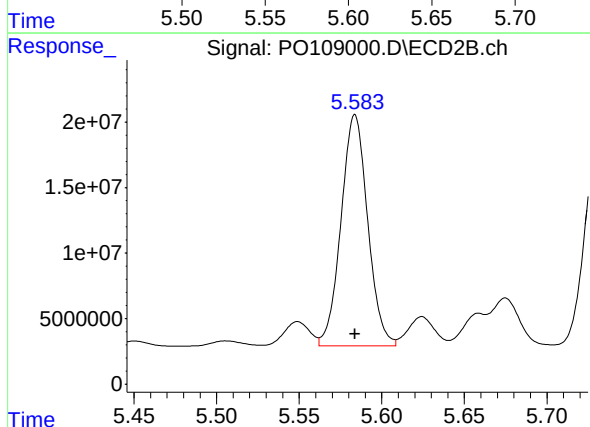
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 234395658
Conc: 71.58 ng/ml



#26 AR-1254-1

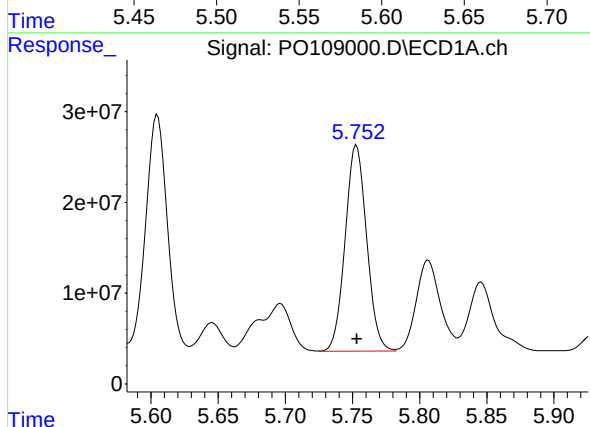
R.T.: 5.605 min
Delta R.T.: 0.000 min
Response: 292089186
Conc: 711.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



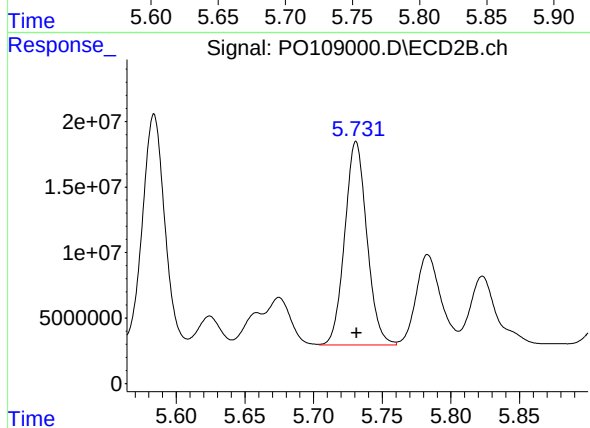
#26 AR-1254-1

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



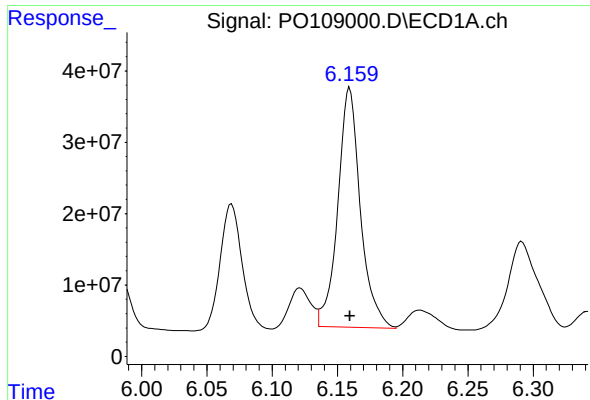
#27 AR-1254-2

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



#27 AR-1254-2

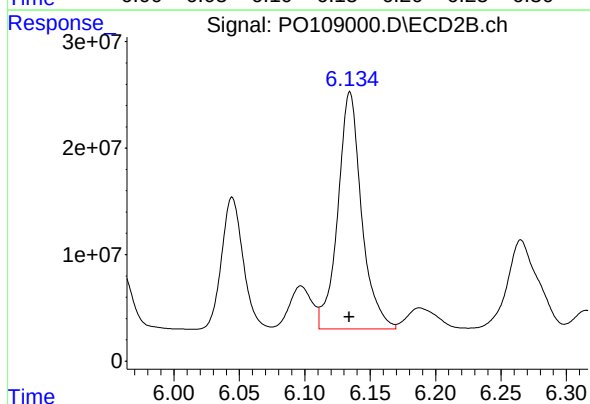
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 174568135
Conc: 705.66 ng/ml



#28 AR-1254-3

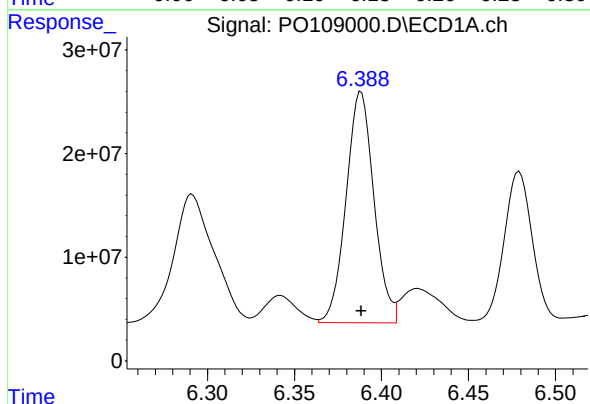
R.T.: 6.159 min
Delta R.T.: 0.000 min
Response: 405369970
Conc: 720.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



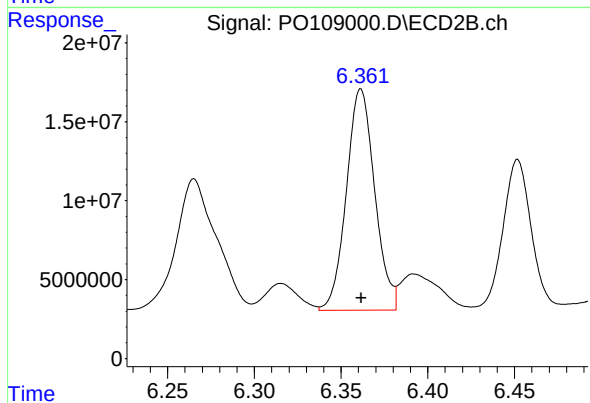
#28 AR-1254-3

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



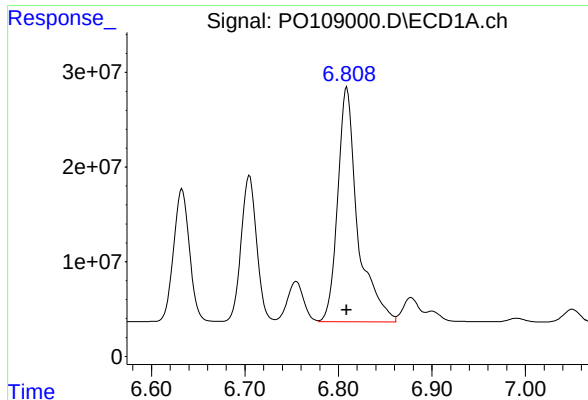
#29 AR-1254-4

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

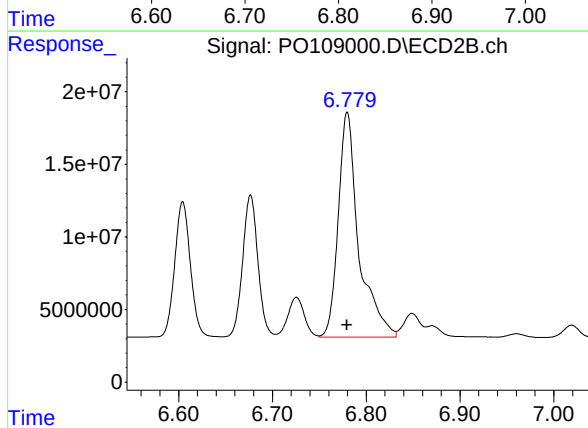
Conc: 713.51 ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109001.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\P0012125.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

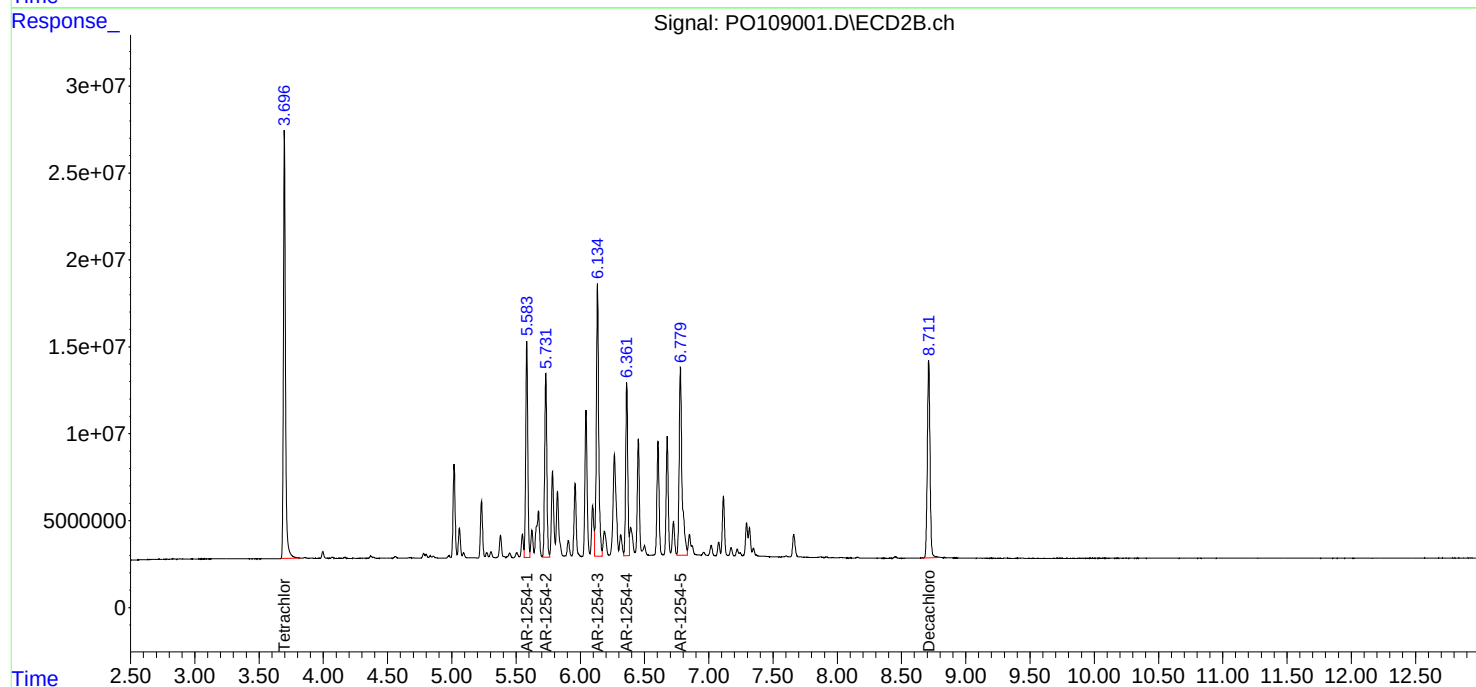
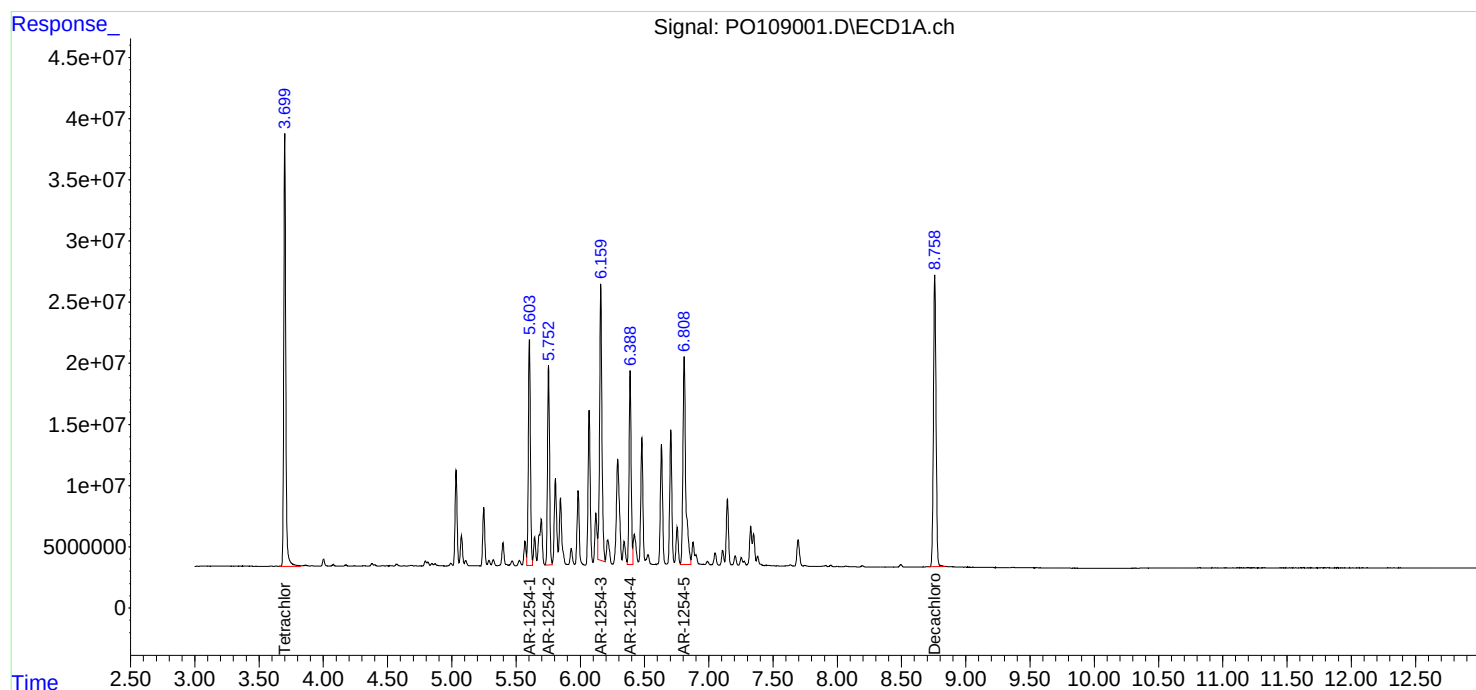
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

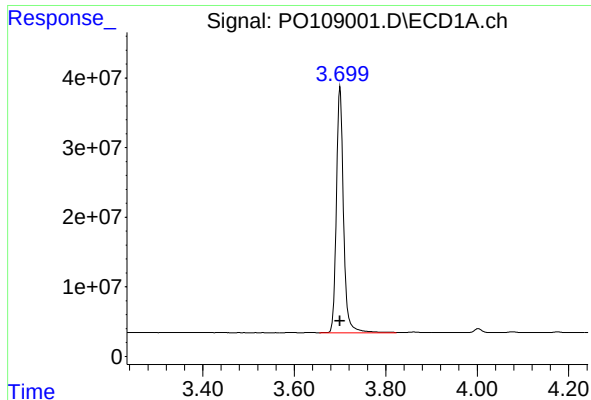
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:23
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

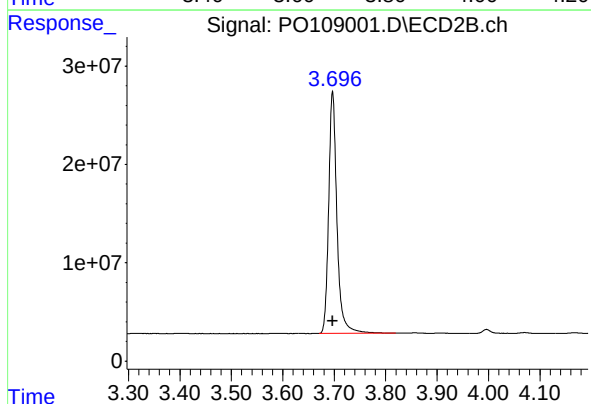




#1 Tetrachloro-m-xylene

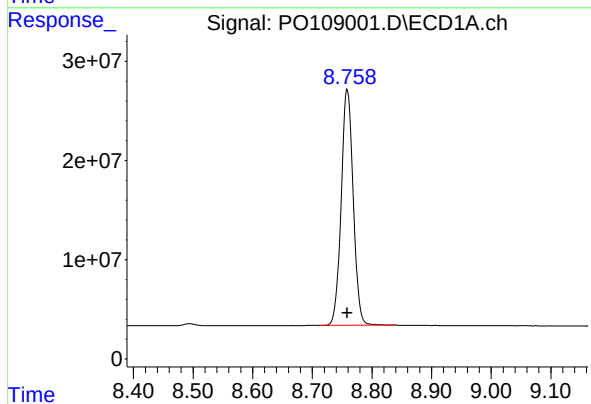
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 383870240
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



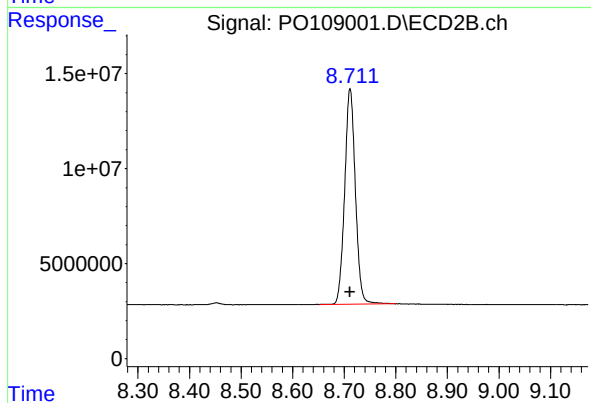
#1 Tetrachloro-m-xylene

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



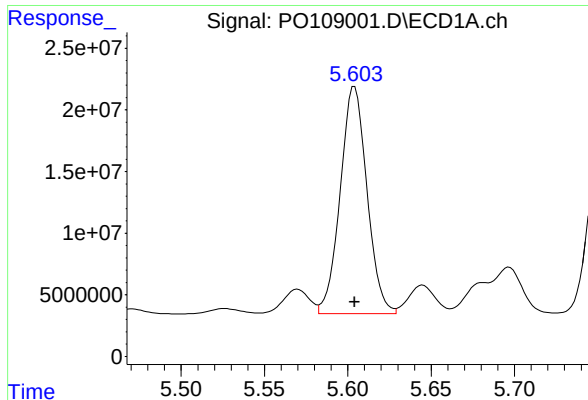
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

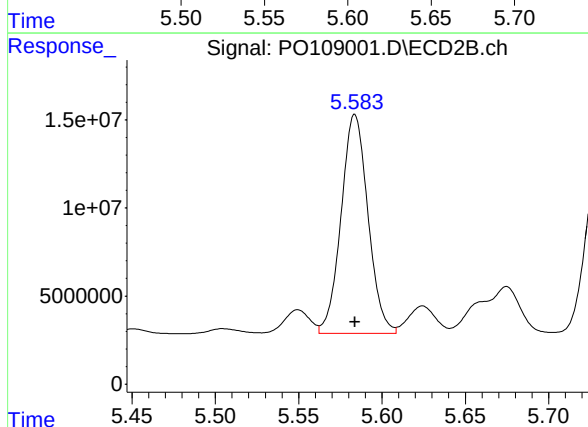
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 163720404
Conc: 50.00 ng/ml



#26 AR-1254-1

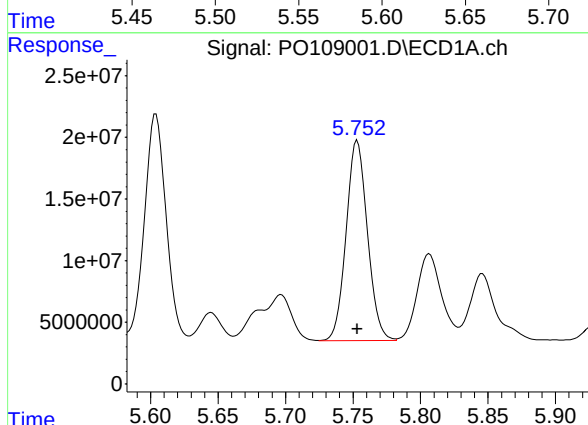
R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 205348918
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



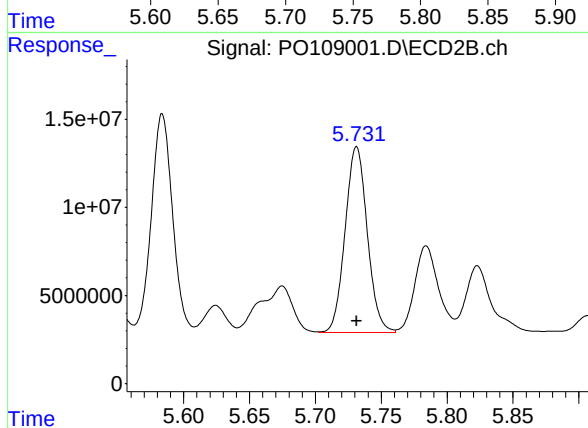
#26 AR-1254-1

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



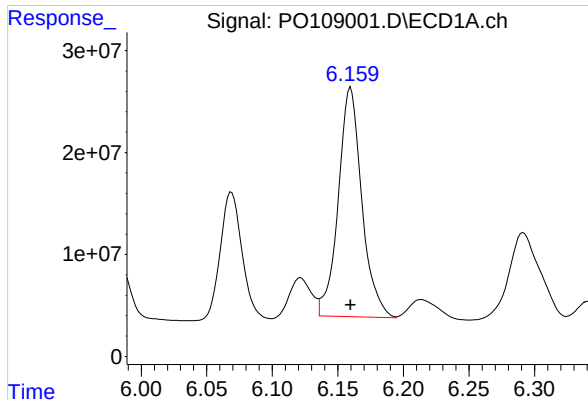
#27 AR-1254-2

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



#27 AR-1254-2

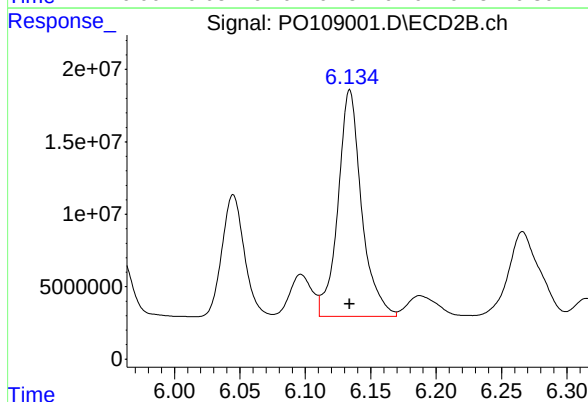
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 123691637
Conc: 500.00 ng/ml



#28 AR-1254-3

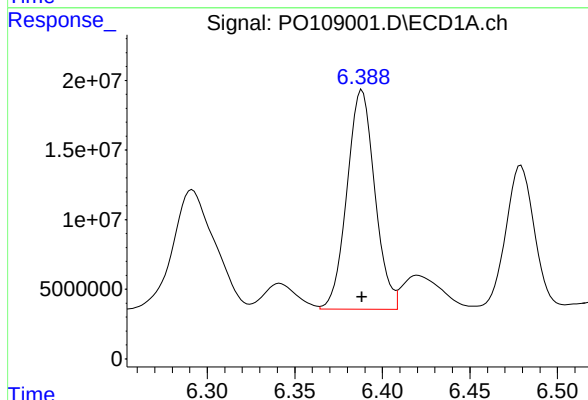
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 281309286
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



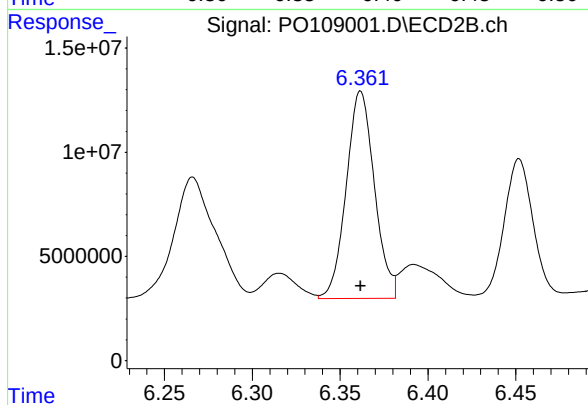
#28 AR-1254-3

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



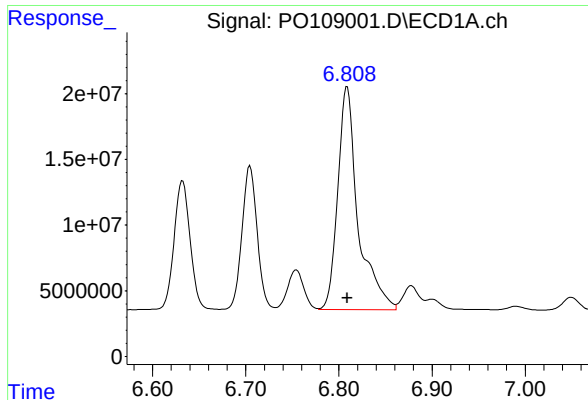
#29 AR-1254-4

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



#29 AR-1254-4

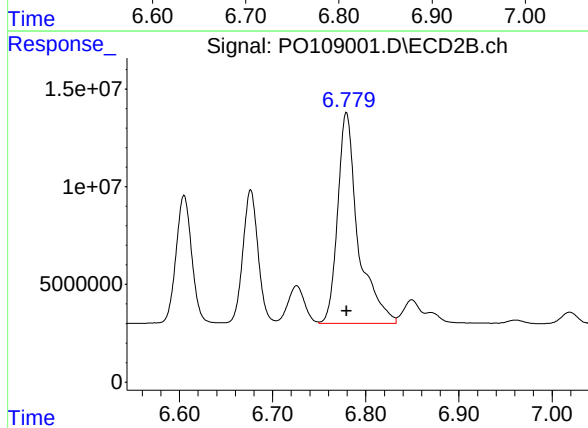
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 111222840
Conc: 500.00 ng/ml



#30 AR-1254-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109002.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\P0012125.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

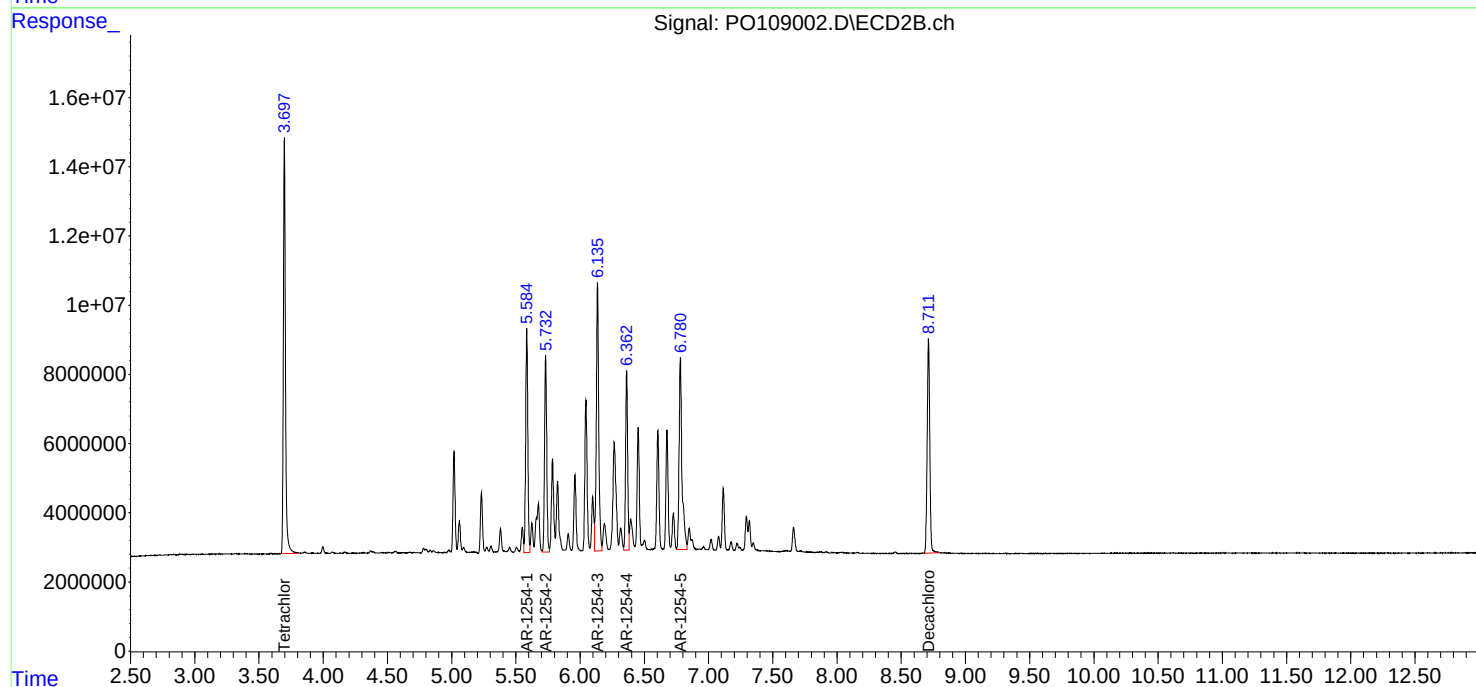
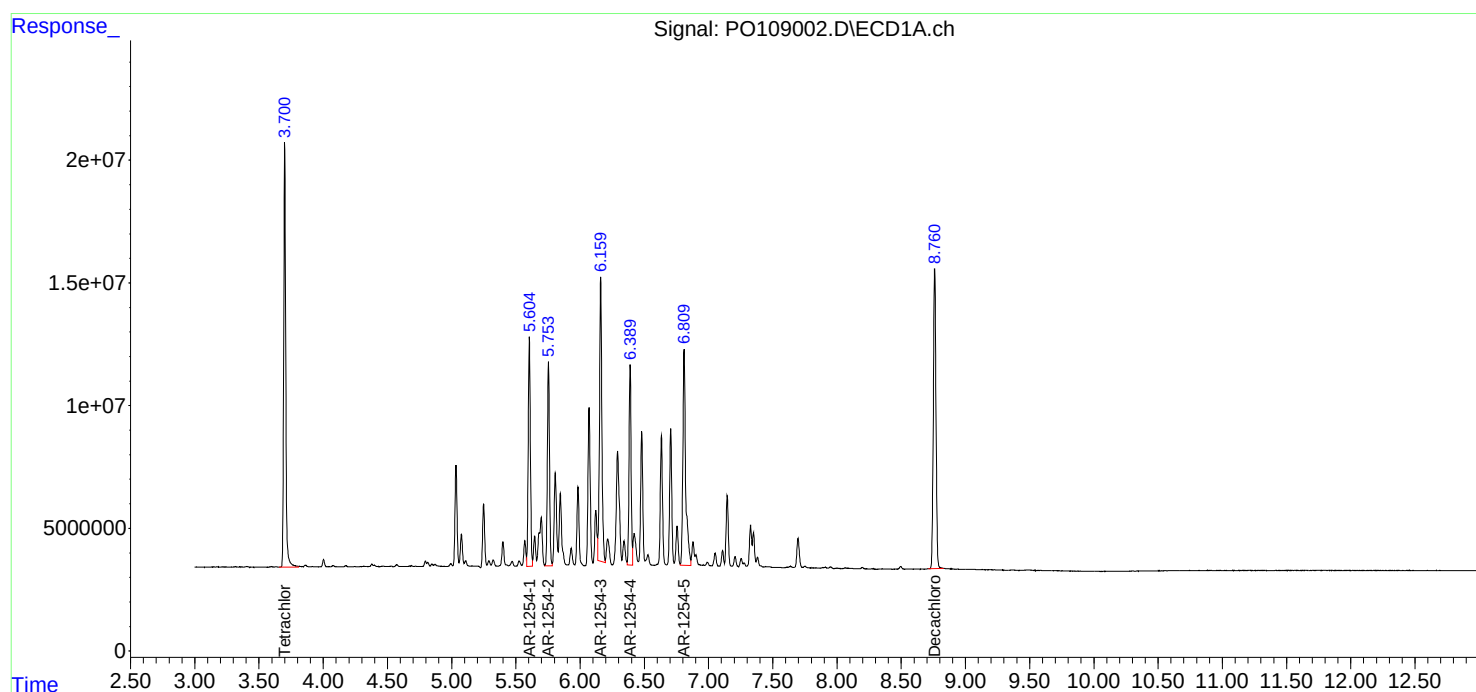
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

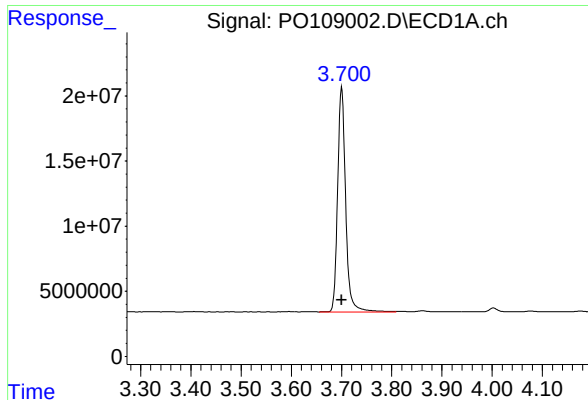
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 23:42
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

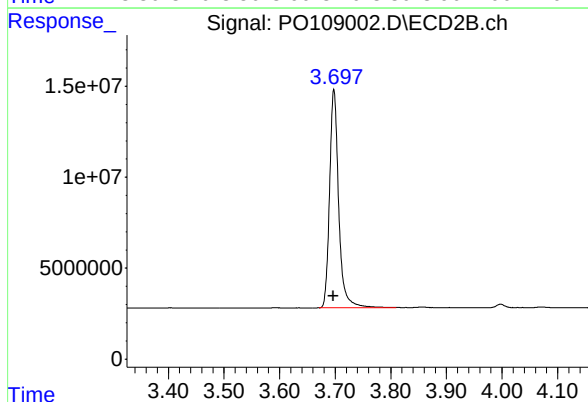




#1 Tetrachloro-m-xylene

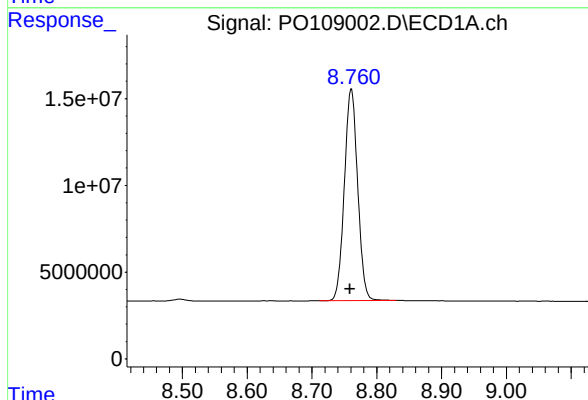
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 192156291
Conc: 25.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



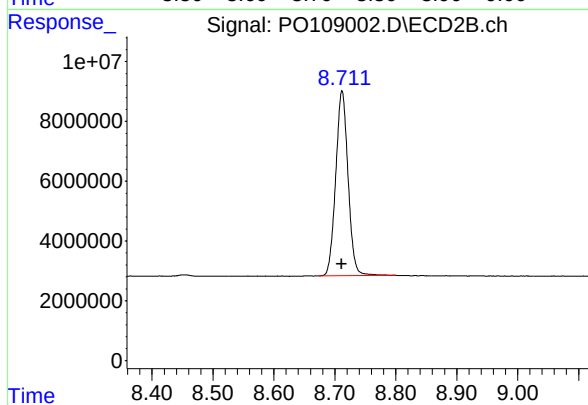
#1 Tetrachloro-m-xylene

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



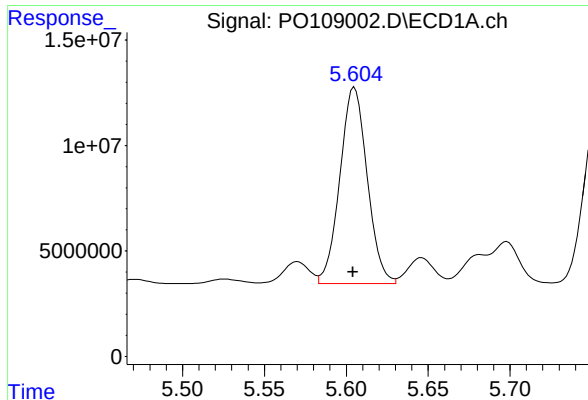
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

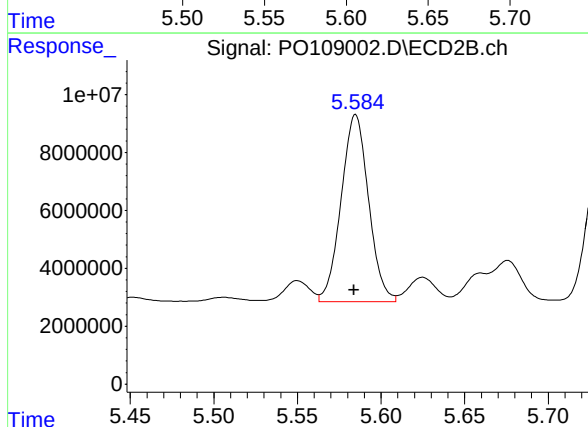
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 87026452
Conc: 26.58 ng/ml



#26 AR-1254-1

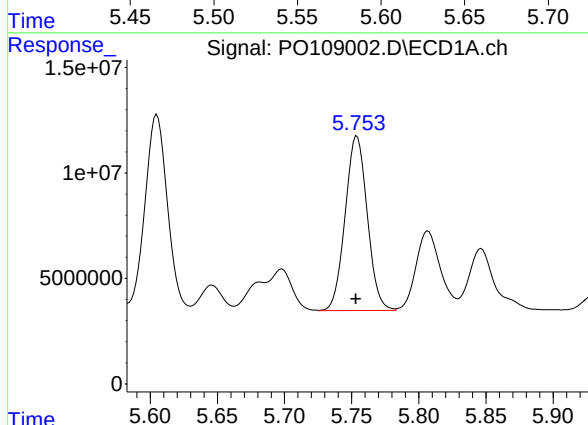
R.T.: 5.605 min
Delta R.T.: 0.000 min
Response: 108363517
Conc: 263.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



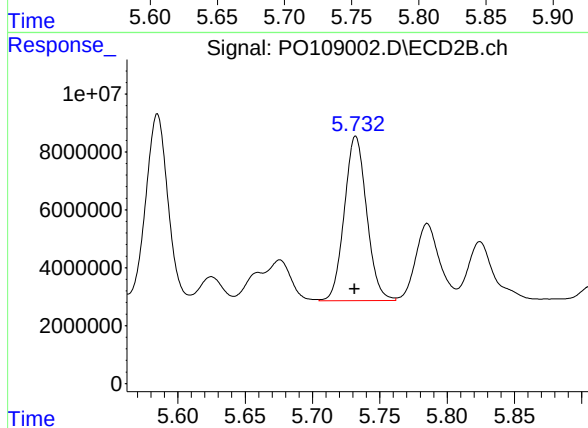
#26 AR-1254-1

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



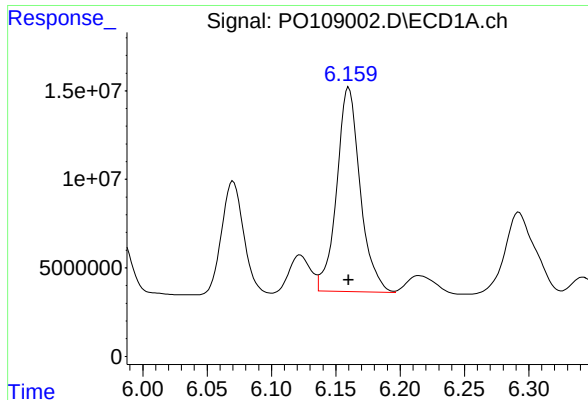
#27 AR-1254-2

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



#27 AR-1254-2

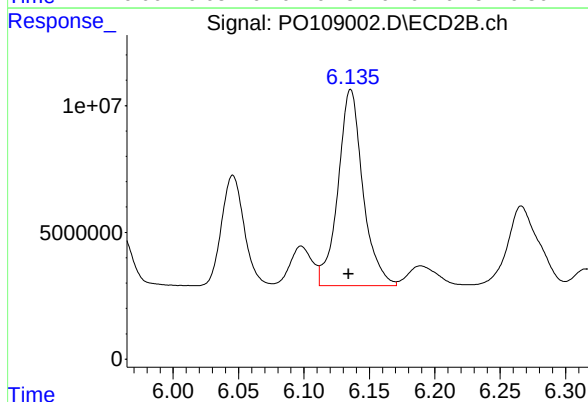
R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 65724022
Conc: 265.68 ng/ml



#28 AR-1254-3

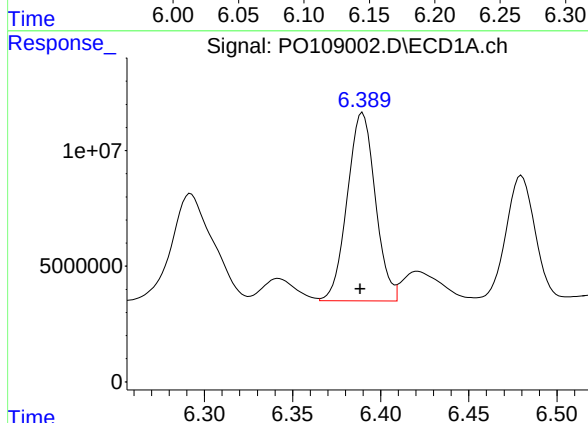
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 146850240
Conc: 261.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



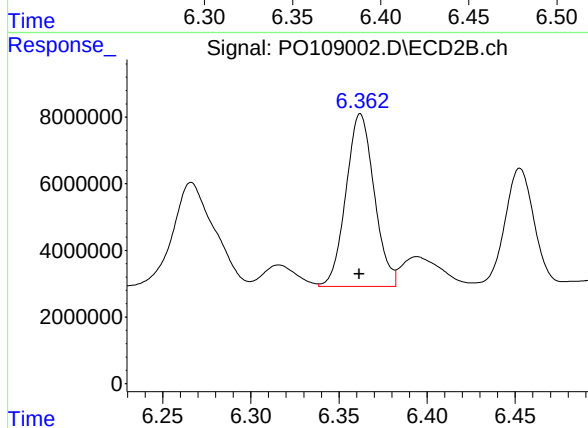
#28 AR-1254-3

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



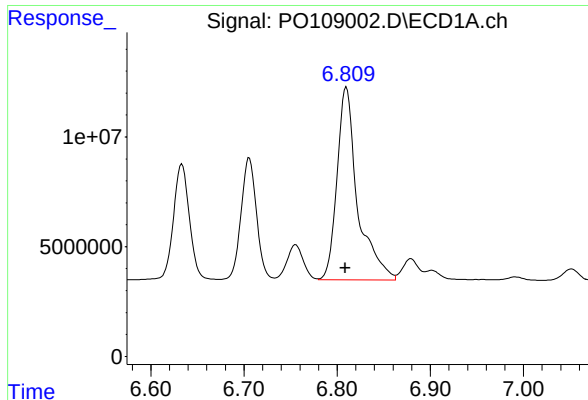
#29 AR-1254-4

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



#29 AR-1254-4

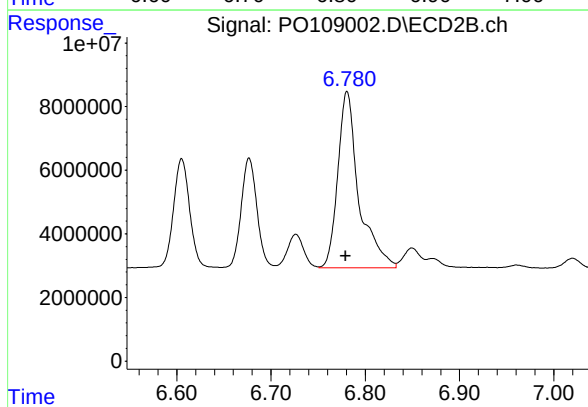
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 57822400
Conc: 259.94 ng/ml



#30 AR-1254-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109003.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\P0012125.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

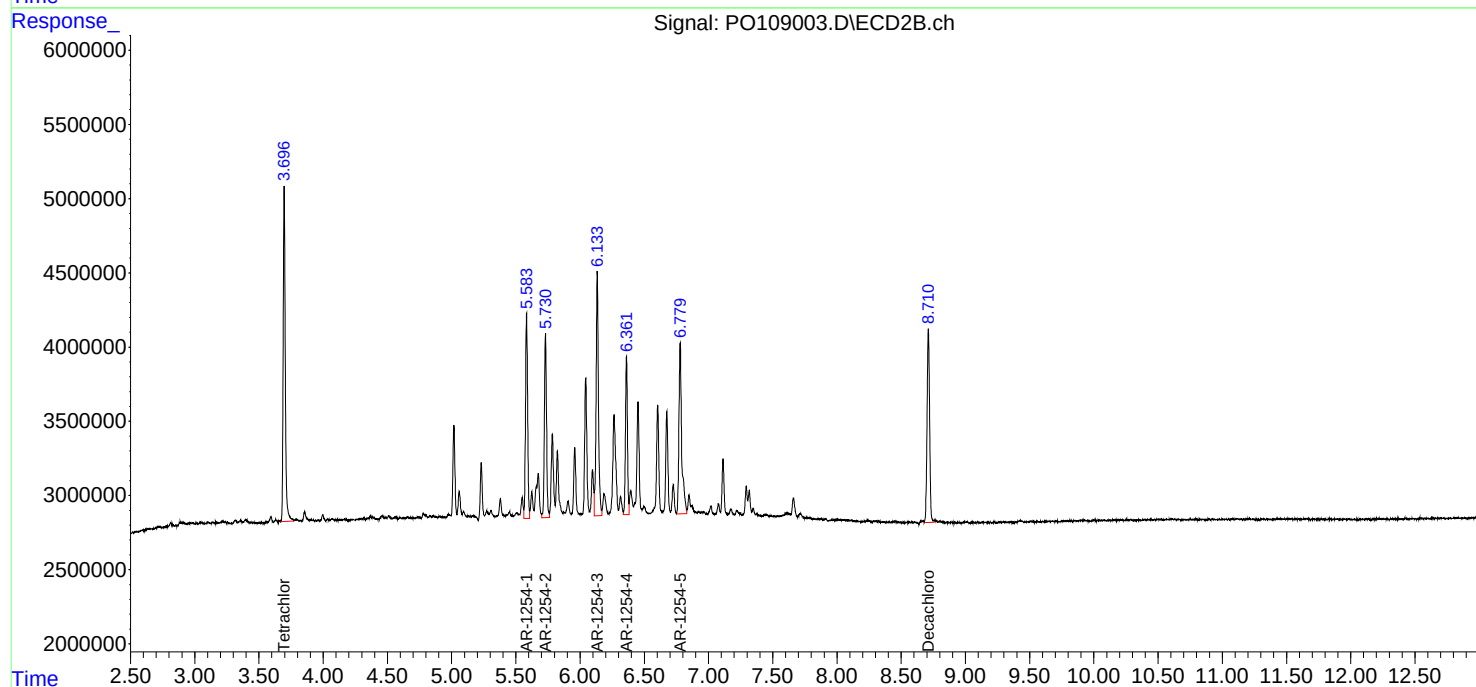
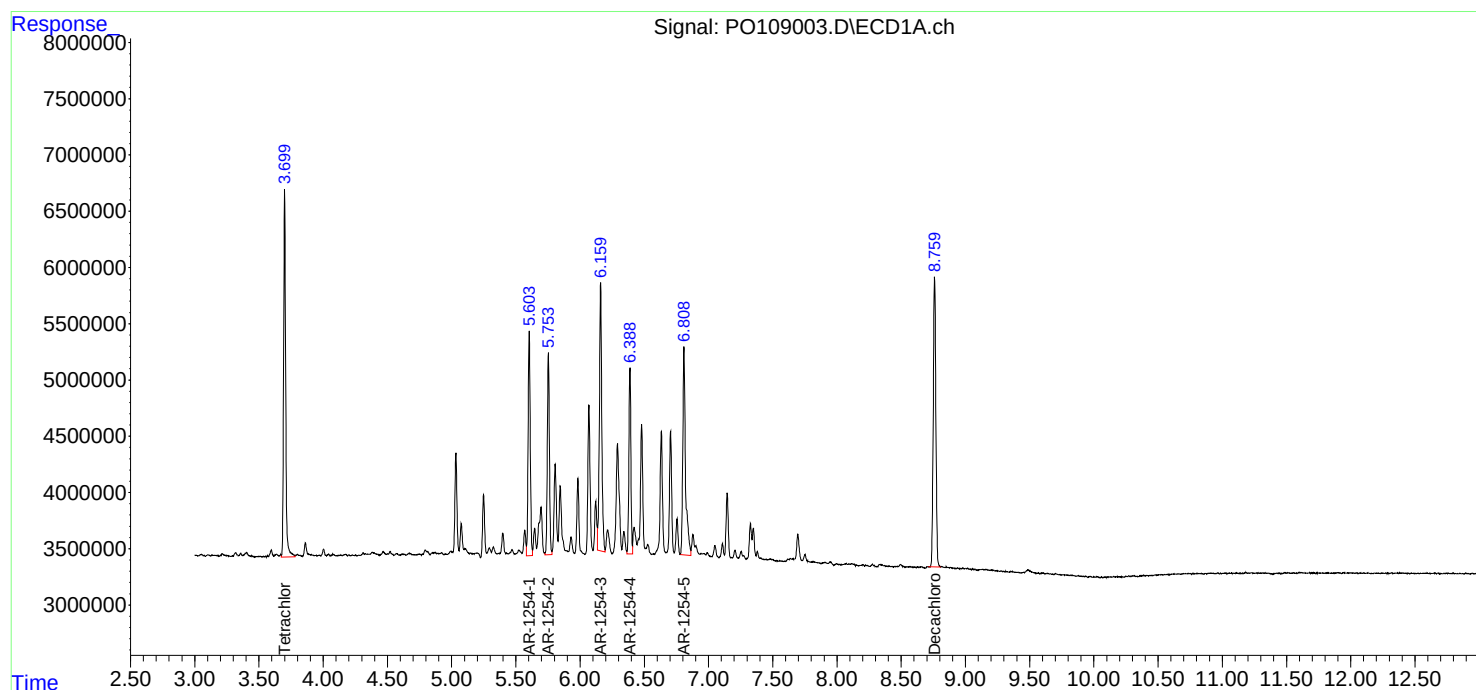
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

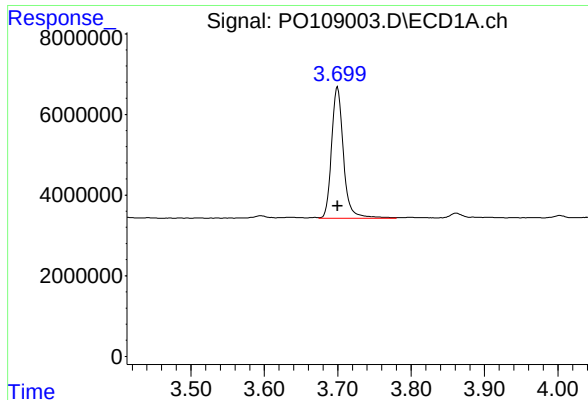
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:00
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

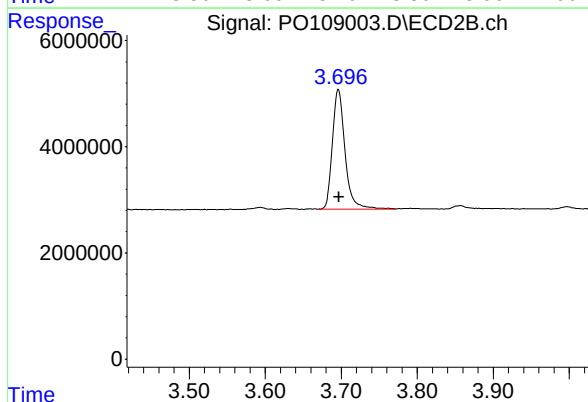




#1 Tetrachloro-m-xylene

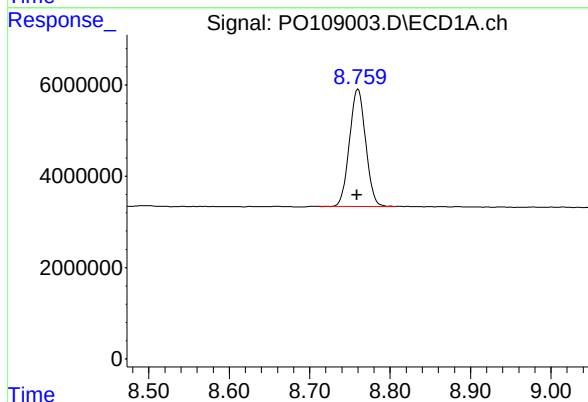
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 36686751
Conc: 4.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



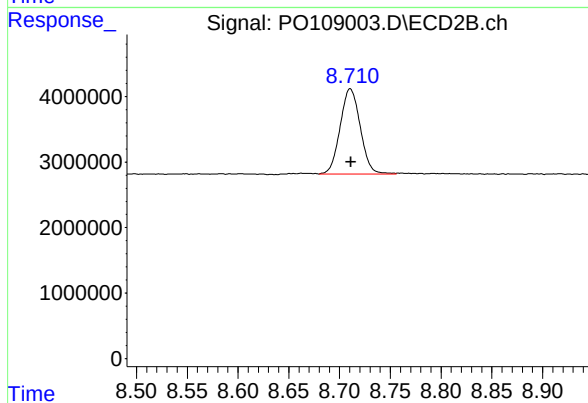
#1 Tetrachloro-m-xylene

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



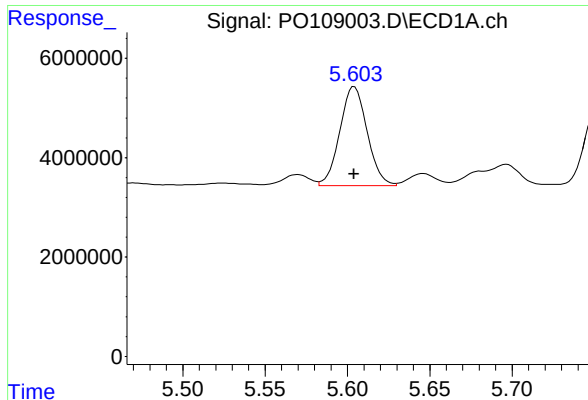
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

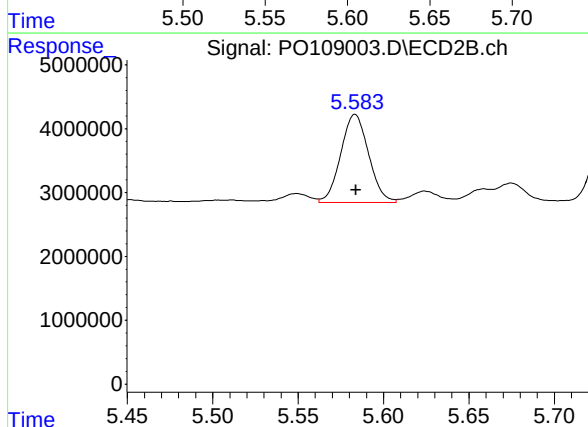
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 17961349
Conc: 5.49 ng/ml



#26 AR-1254-1

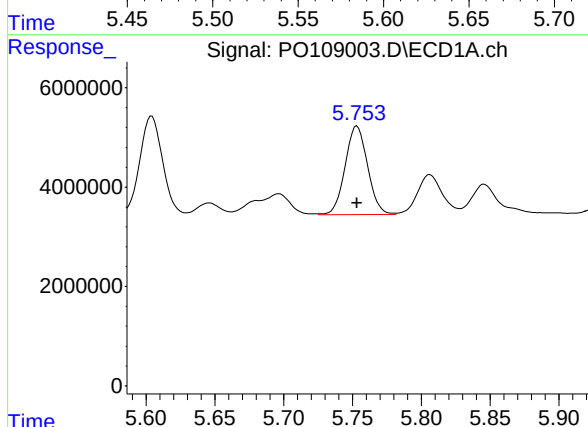
R.T.: 5.604 min
Delta R.T.: 0.000 min
Response: 22960266
Conc: 55.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



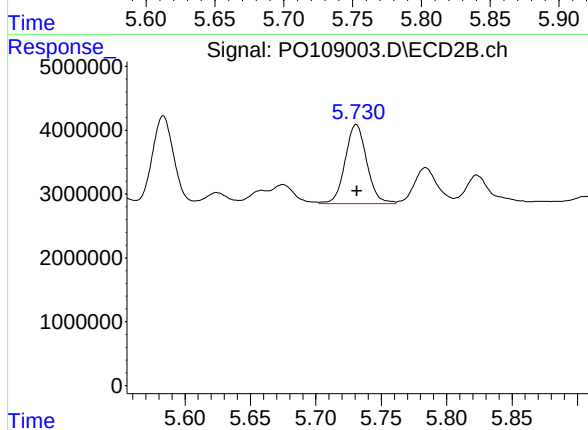
#26 AR-1254-1

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



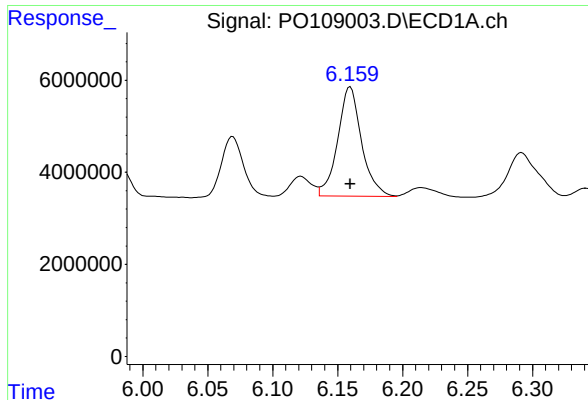
#27 AR-1254-2

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



#27 AR-1254-2

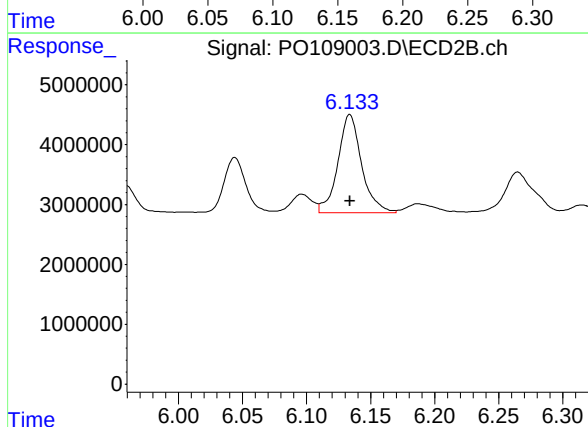
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 14258814
Conc: 57.64 ng/ml



#28 AR-1254-3

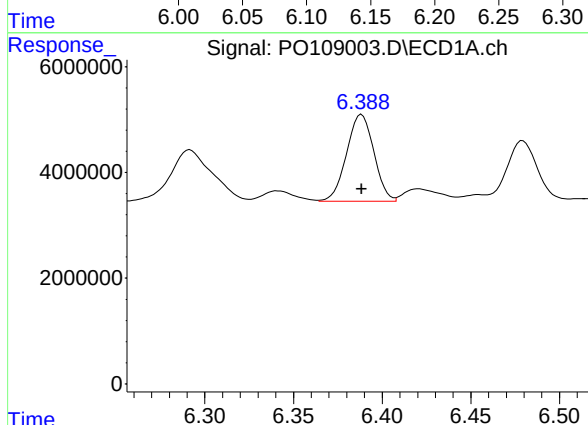
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 30397541
Conc: 54.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



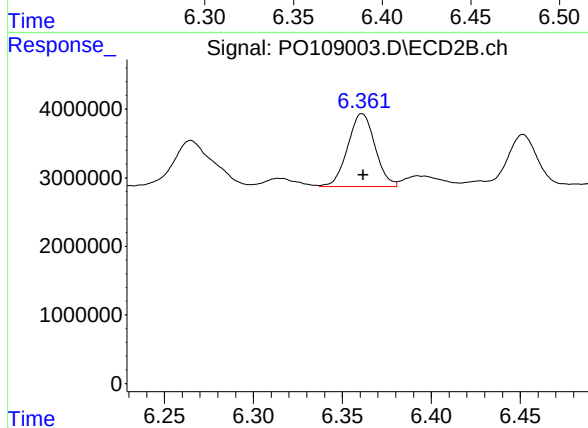
#28 AR-1254-3

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



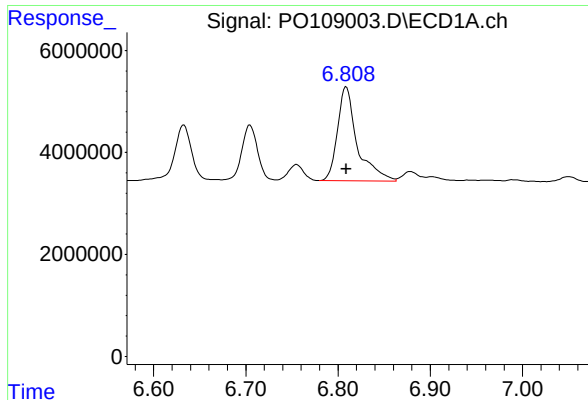
#29 AR-1254-4

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



#29 AR-1254-4

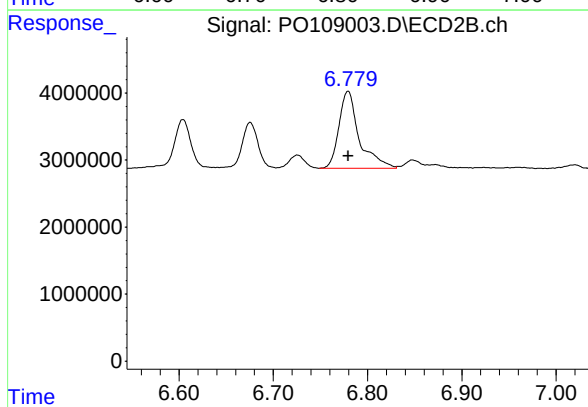
R.T.: 6.361 min
Delta R.T.: 0.000 min
Response: 11366616
Conc: 51.10 ng/ml



#30 AR-1254-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109004.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\P0012125.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

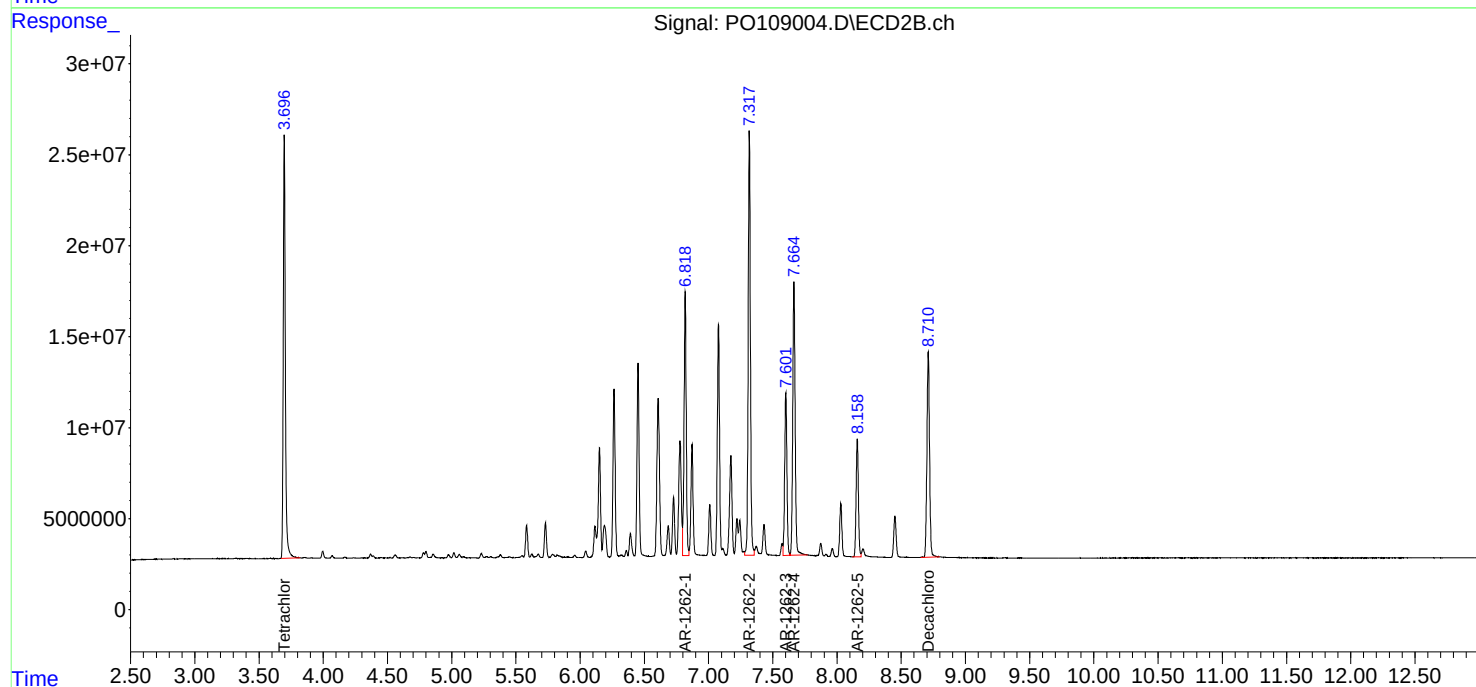
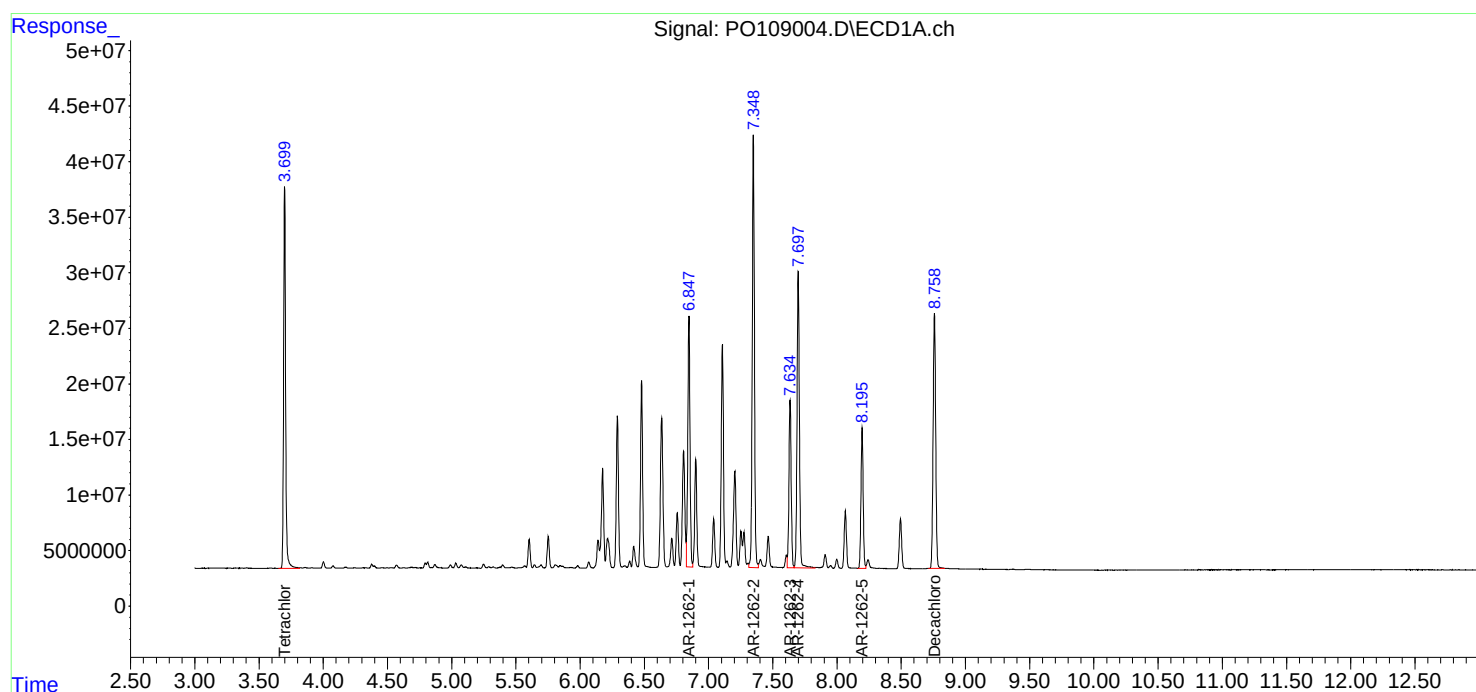
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

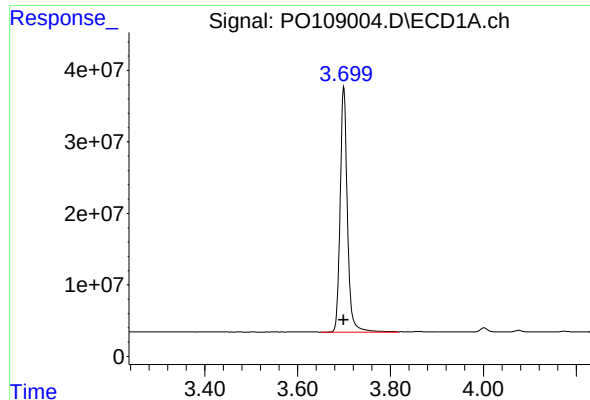
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:18
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

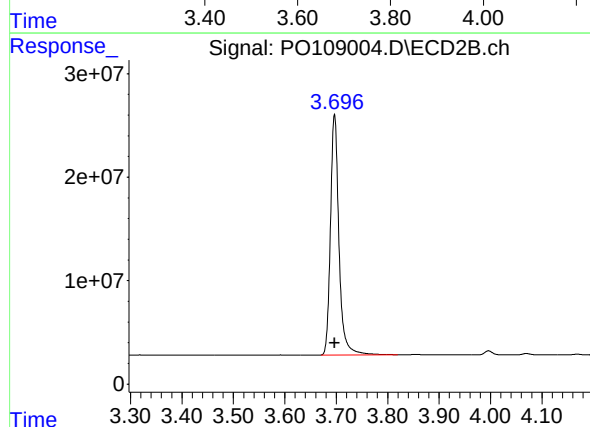




#1 Tetrachloro-m-xylene

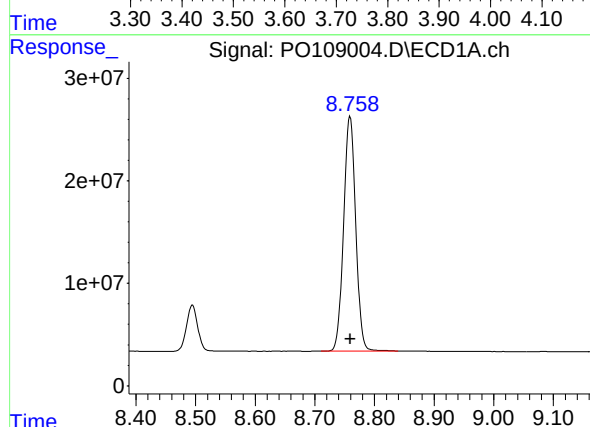
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 372172354
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



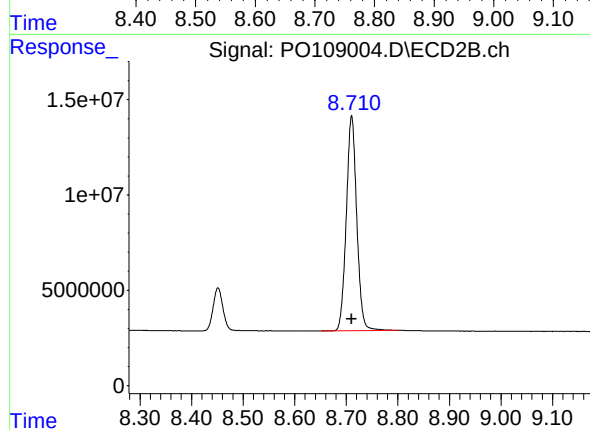
#1 Tetrachloro-m-xylene

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



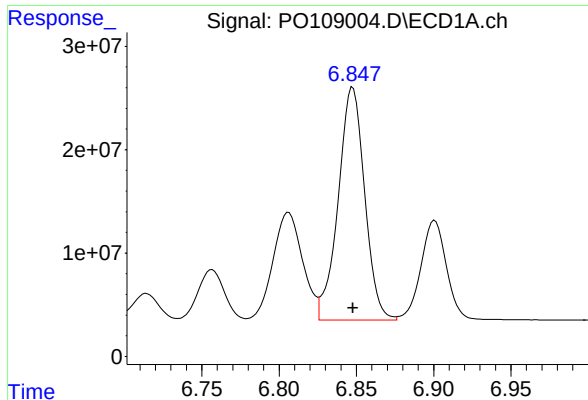
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

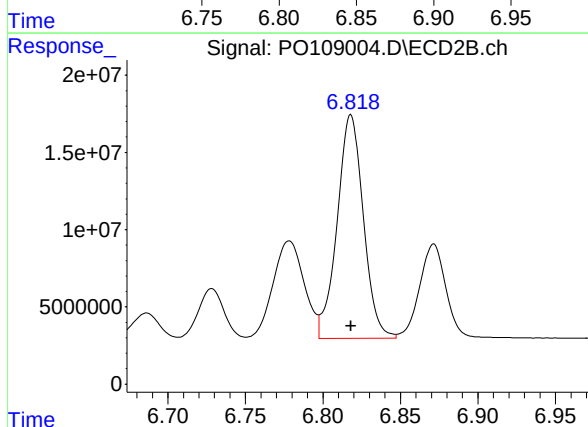
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 159123424
Conc: 50.00 ng/ml



#36 AR-1262-1

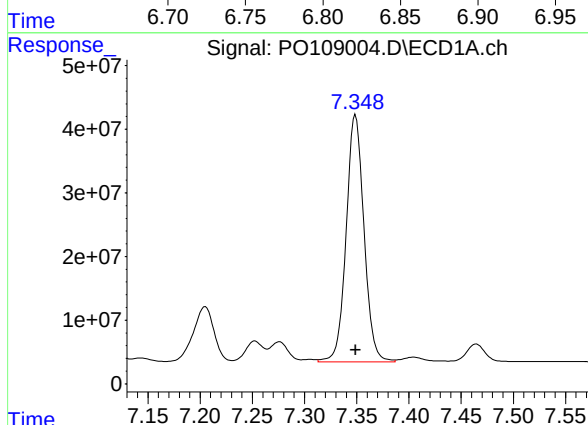
R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 267007548
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



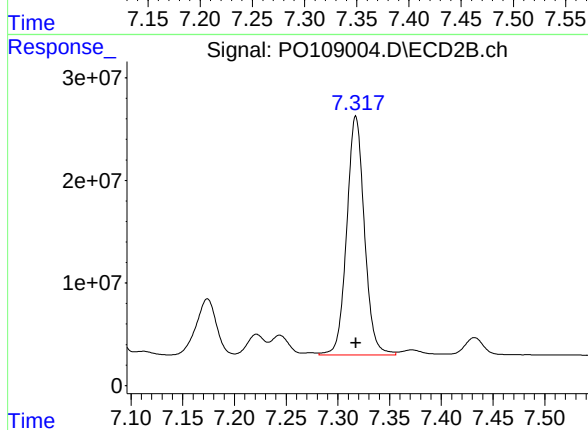
#36 AR-1262-1

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



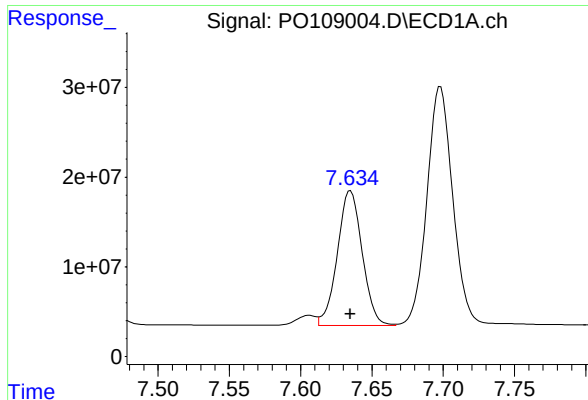
#37 AR-1262-2

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



#37 AR-1262-2

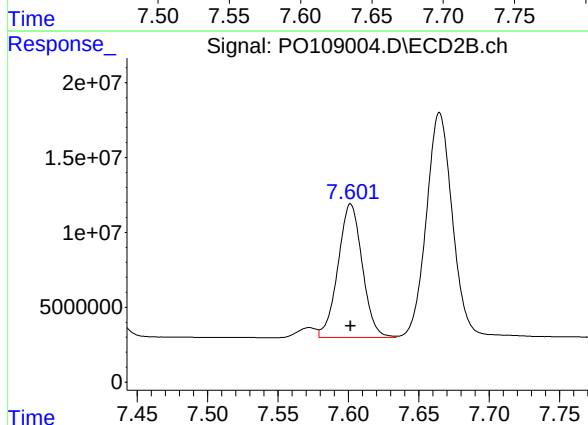
R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 277301857
Conc: 500.00 ng/ml



#38 AR-1262-3

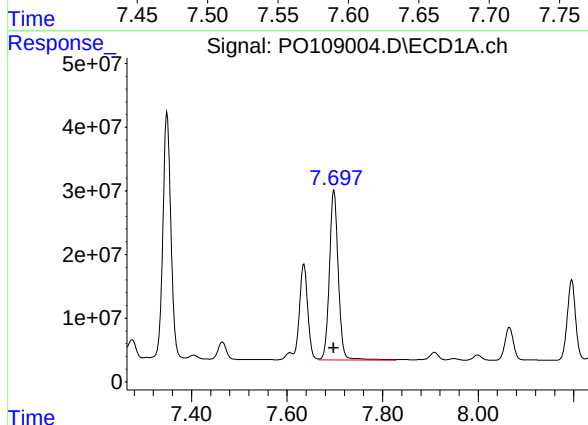
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 182285530
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



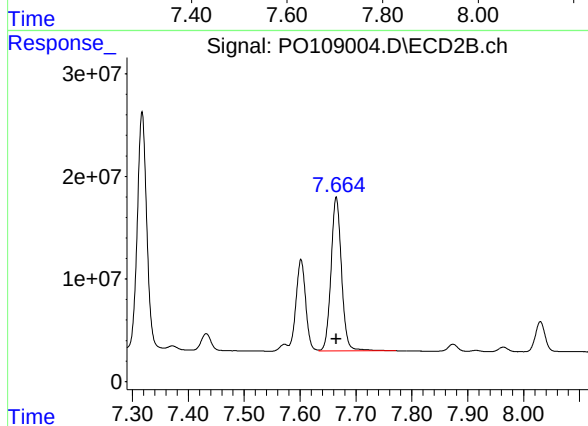
#38 AR-1262-3

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



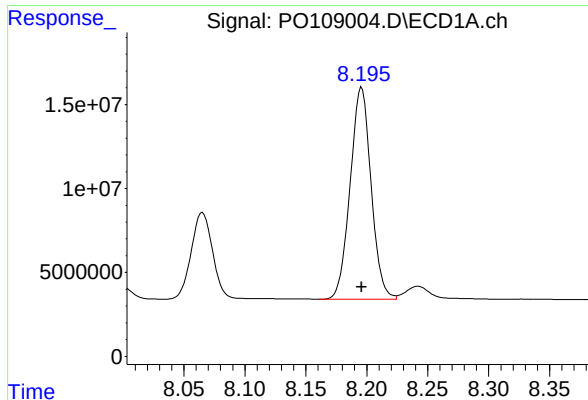
#39 AR-1262-4

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



#39 AR-1262-4

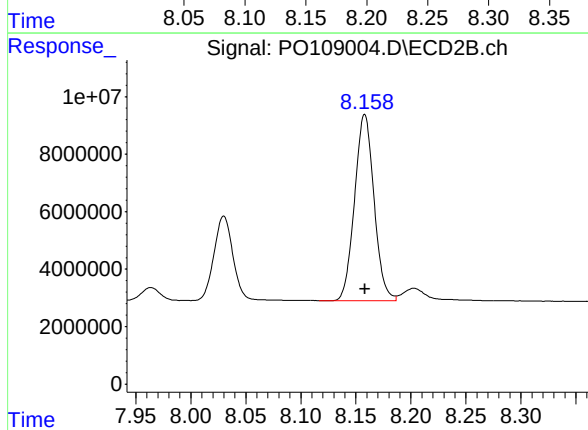
R.T.: 7.665 min
Delta R.T.: 0.000 min
Response: 195944202
Conc: 500.00 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109005.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\P0012125.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

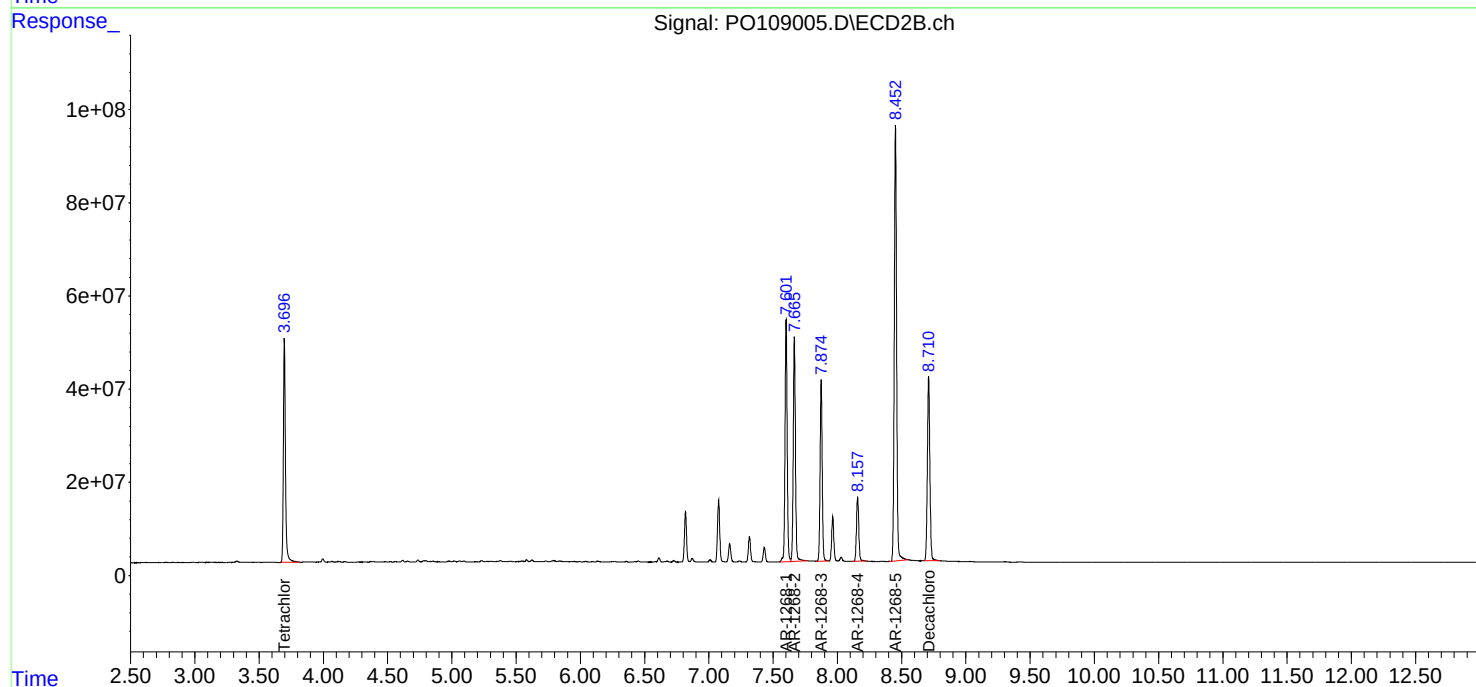
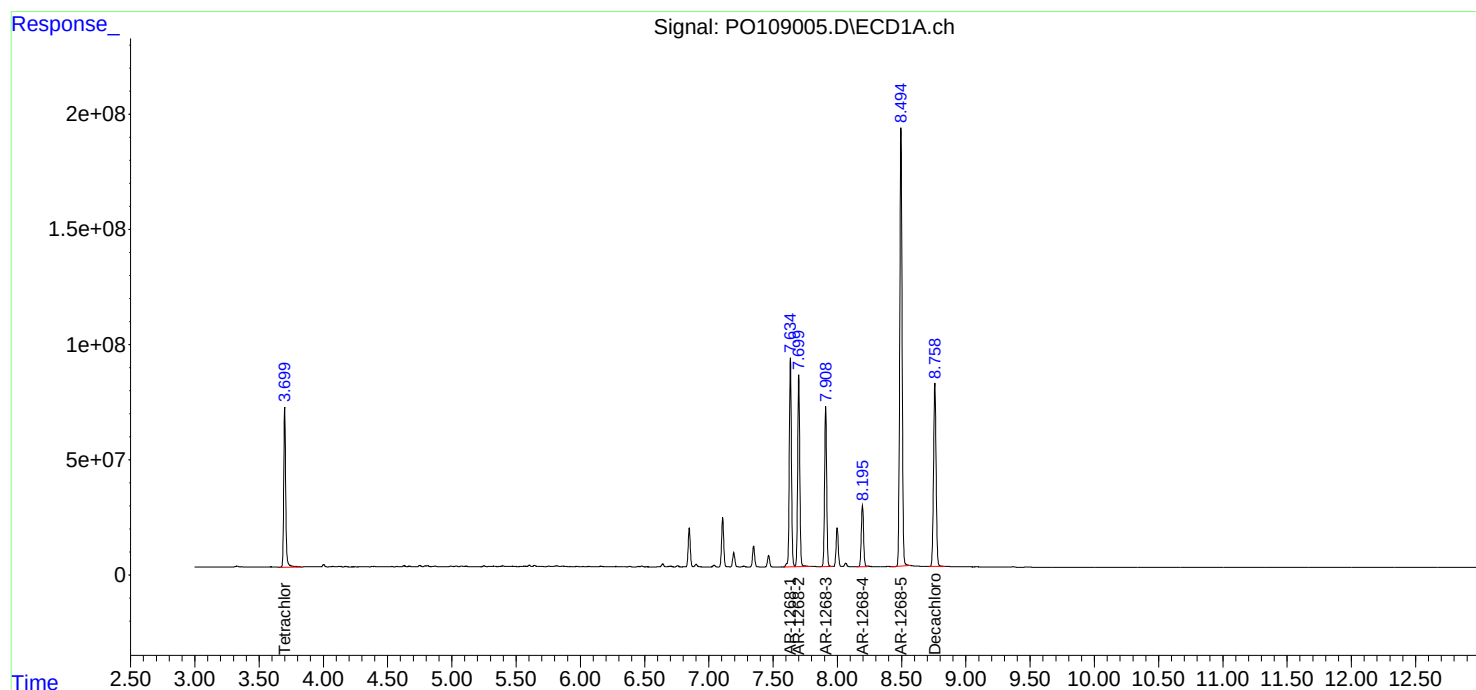
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

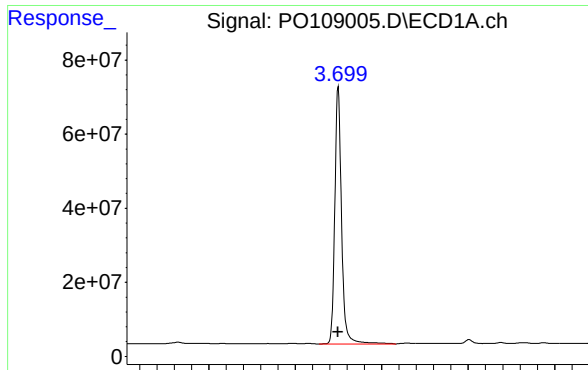
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:37
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

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

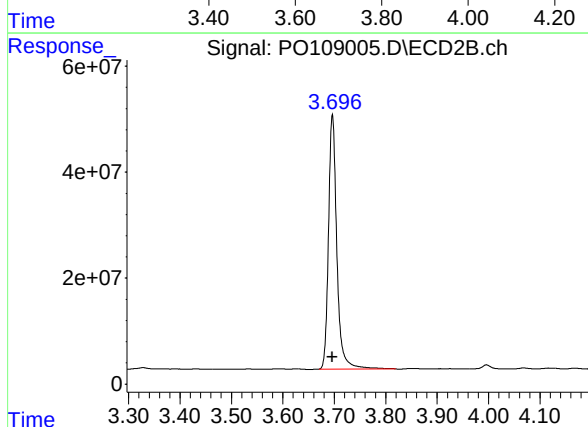




#1 Tetrachloro-m-xylene

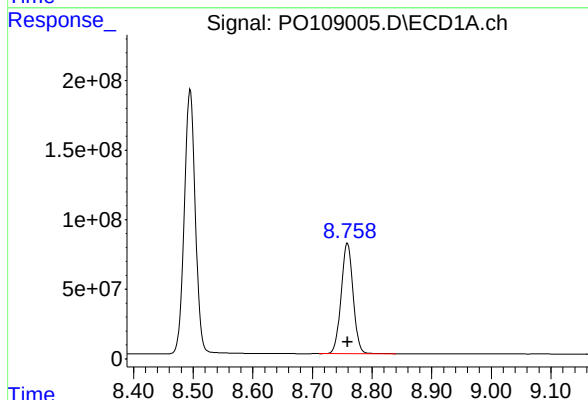
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 754663830
Conc: 96.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



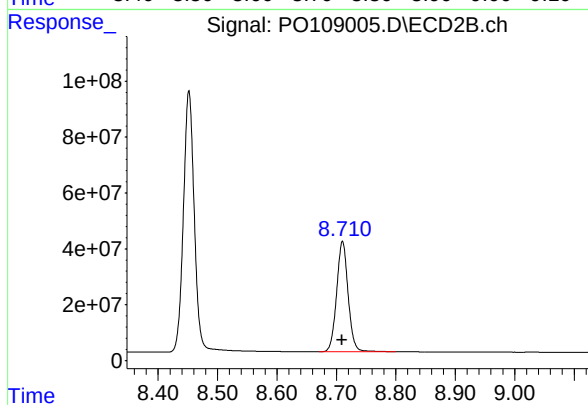
#1 Tetrachloro-m-xylene

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



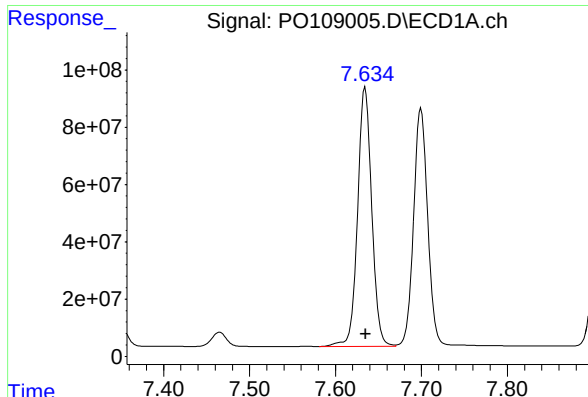
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

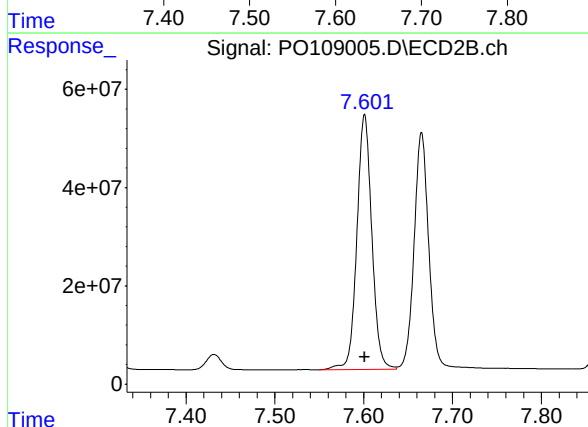
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 529671616
Conc: 94.75 ng/ml



#41 AR-1268-1

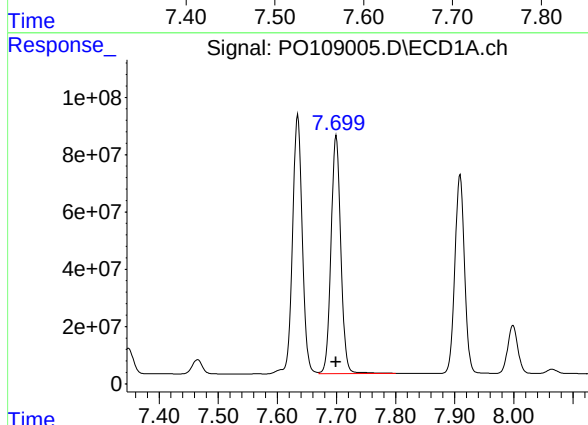
R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 1033690630
Conc: 968.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



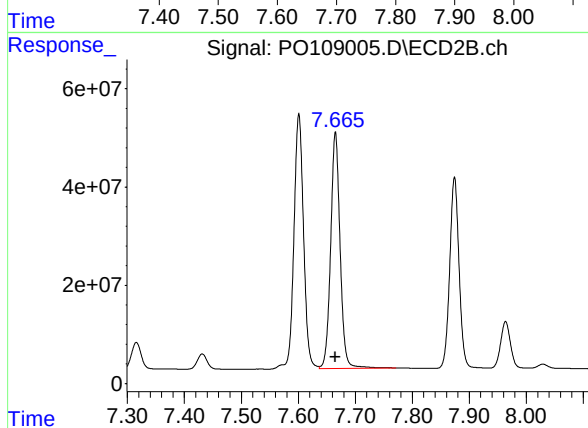
#41 AR-1268-1

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



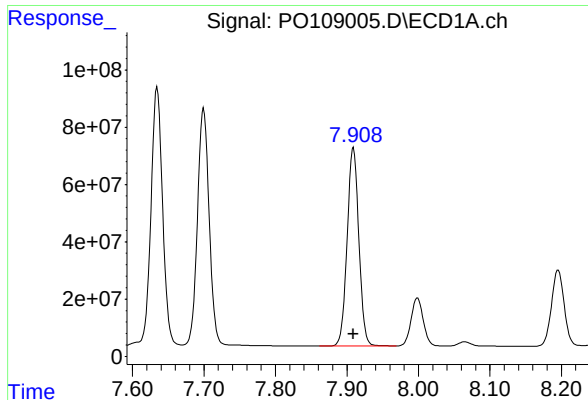
#42 AR-1268-2

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



#42 AR-1268-2

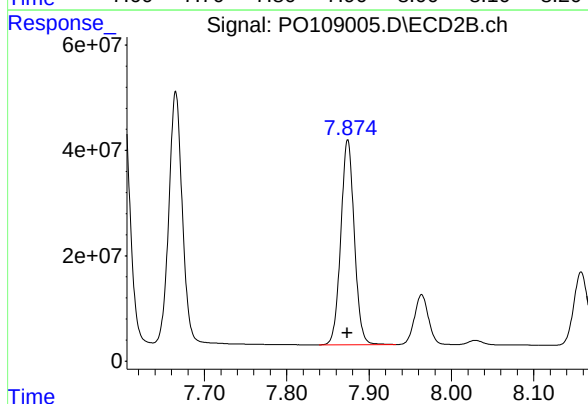
R.T.: 7.665 min
Delta R.T.: 0.000 min
Response: 555793036
Conc: 972.95 ng/ml



#43 AR-1268-3

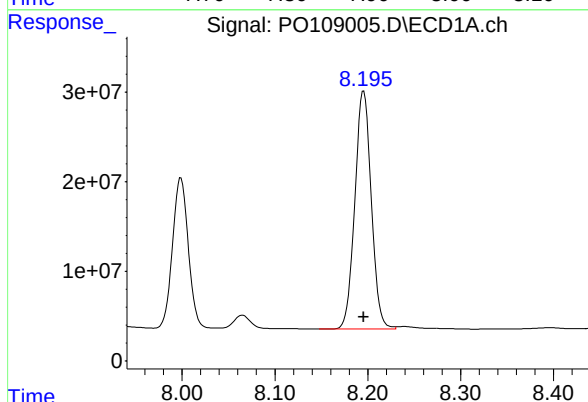
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 786406202
Conc: 973.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



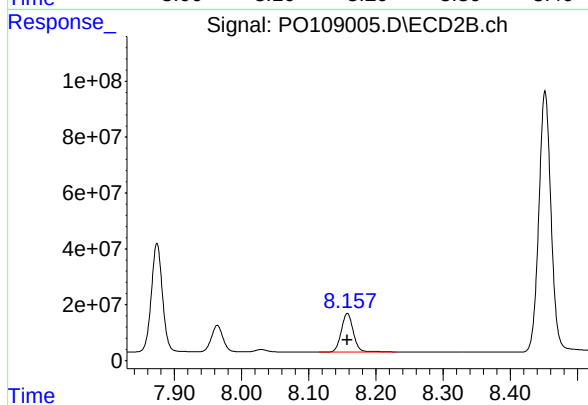
#43 AR-1268-3

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



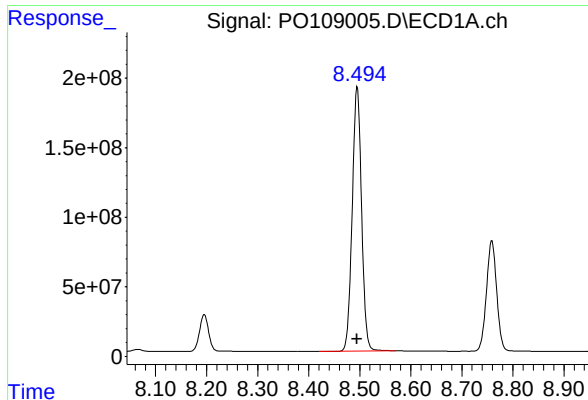
#44 AR-1268-4

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

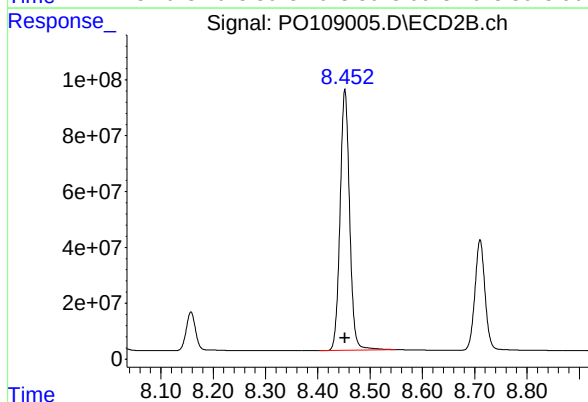
Conc: 995.56 ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109006.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\P0012125.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

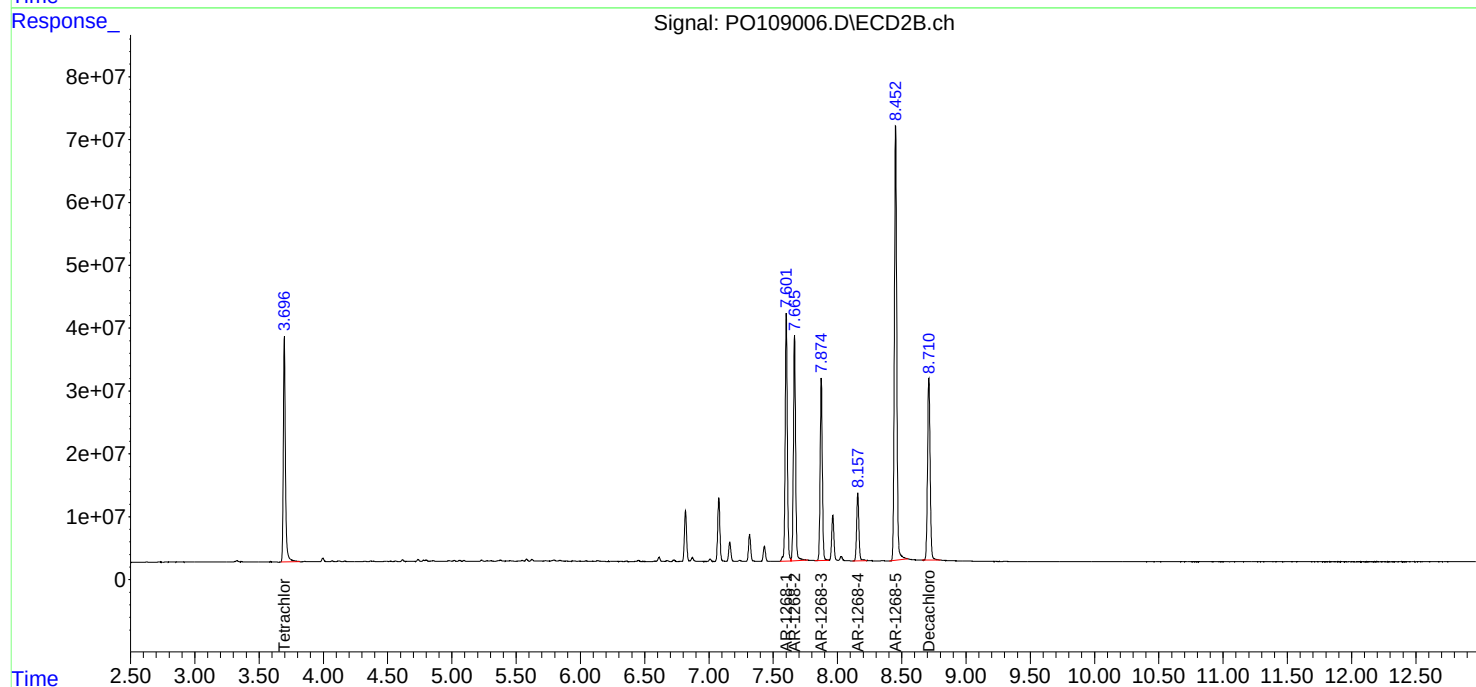
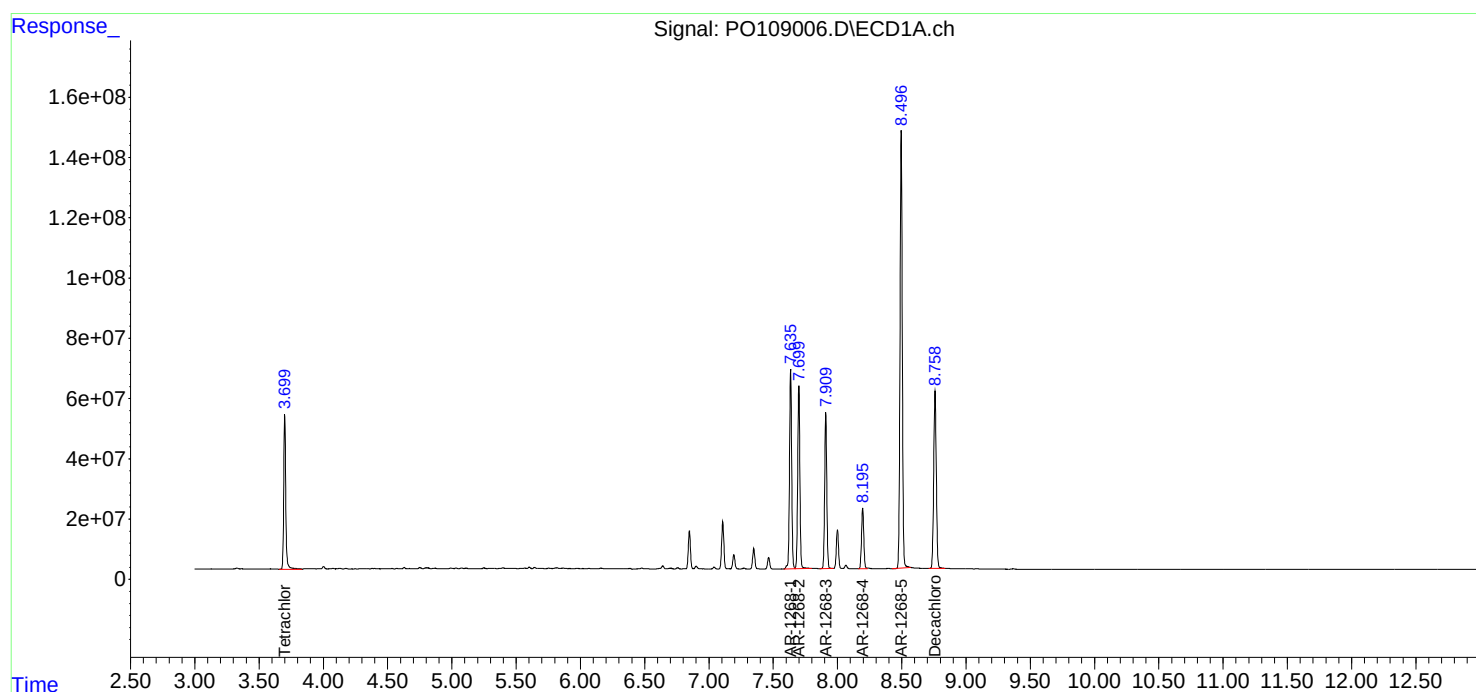
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

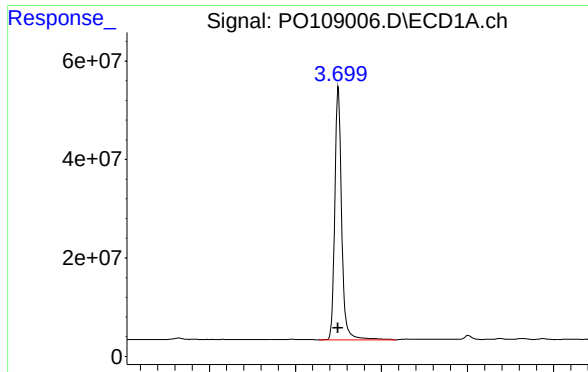
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 00:55
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

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

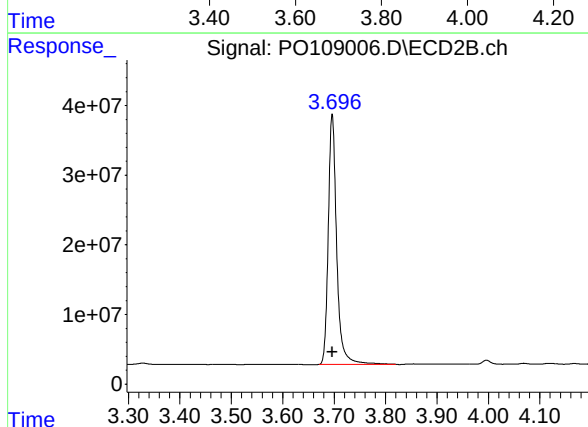




#1 Tetrachloro-m-xylene

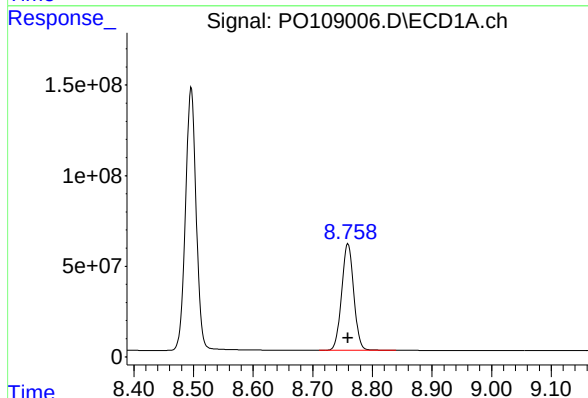
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 570306026
Conc: 73.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



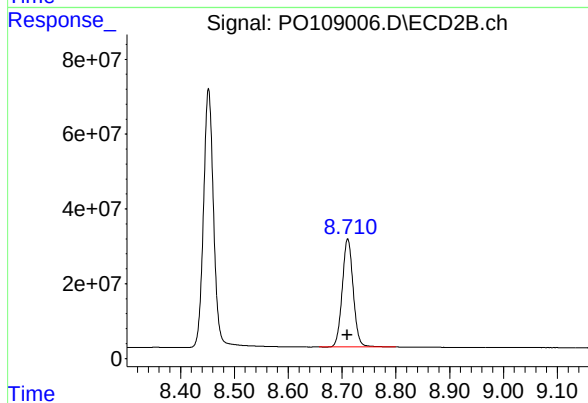
#1 Tetrachloro-m-xylene

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



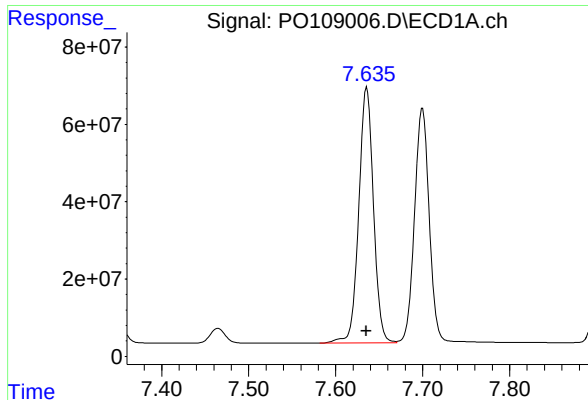
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

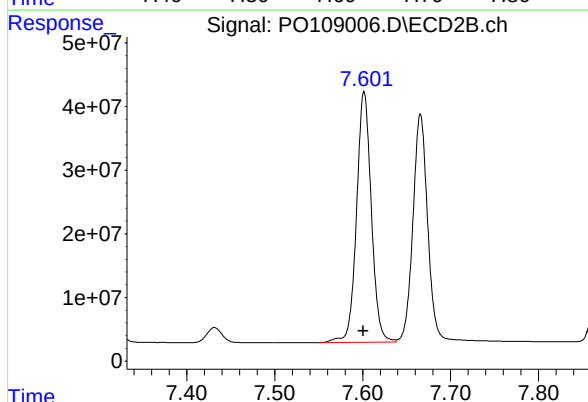
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 406888302
Conc: 72.78 ng/ml



#41 AR-1268-1

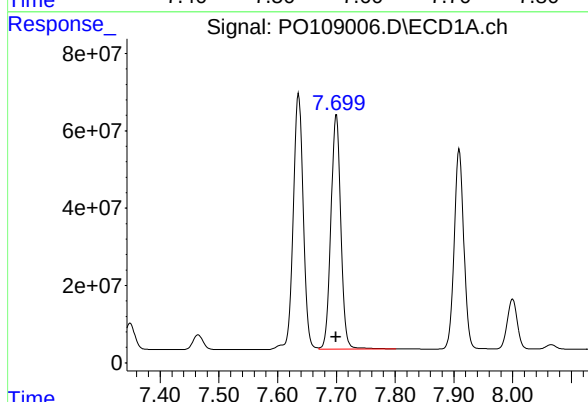
R.T.: 7.636 min
Delta R.T.: 0.000 min
Response: 777706848
Conc: 728.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



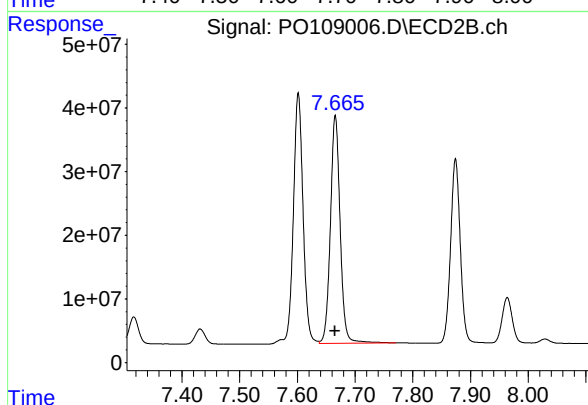
#41 AR-1268-1

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



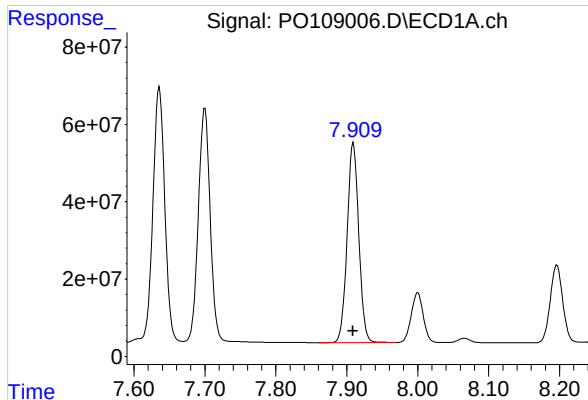
#42 AR-1268-2

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



#42 AR-1268-2

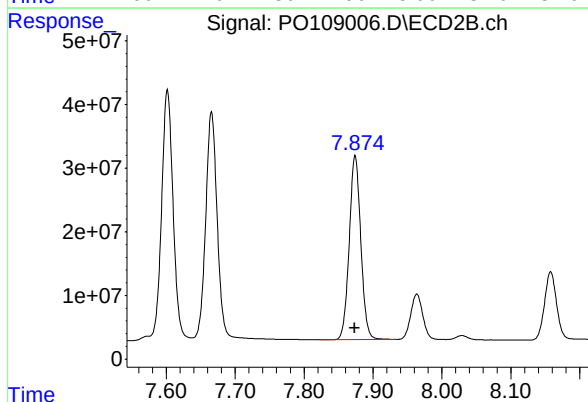
R.T.: 7.666 min
Delta R.T.: 0.000 min
Response: 420268499
Conc: 735.71 ng/ml



#43 AR-1268-3

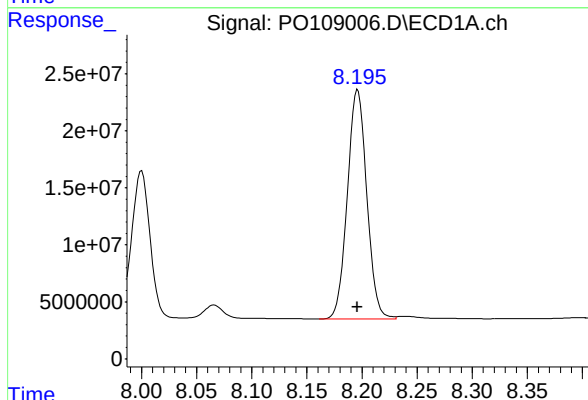
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 588699199
Conc: 728.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



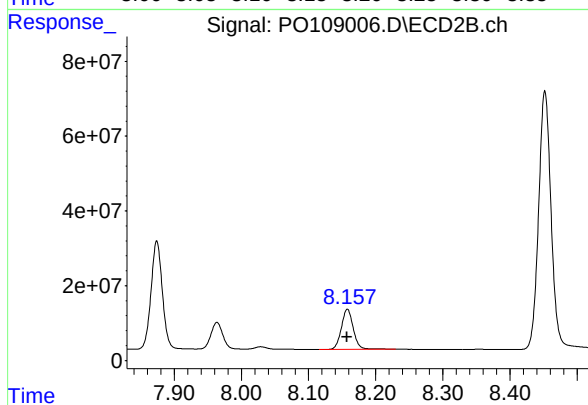
#43 AR-1268-3

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



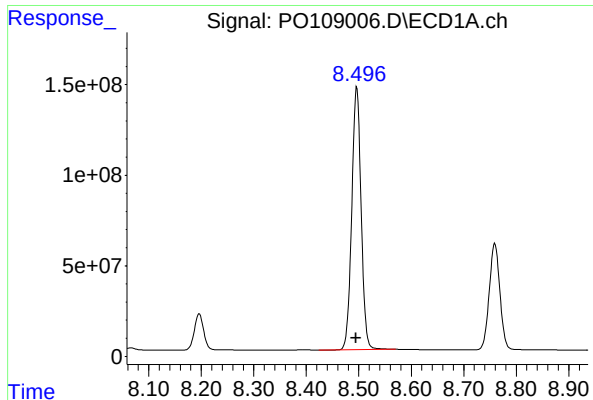
#44 AR-1268-4

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



#44 AR-1268-4

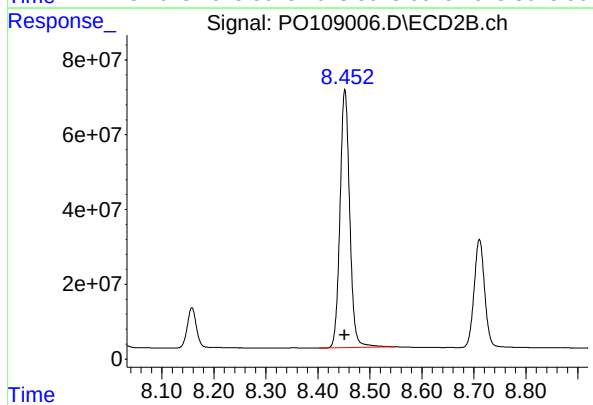
R.T.: 8.158 min
Delta R.T.: 0.000 min
Response: 131730440
Conc: 725.12 ng/ml



#45 AR-1268-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109007.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\P0012125.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

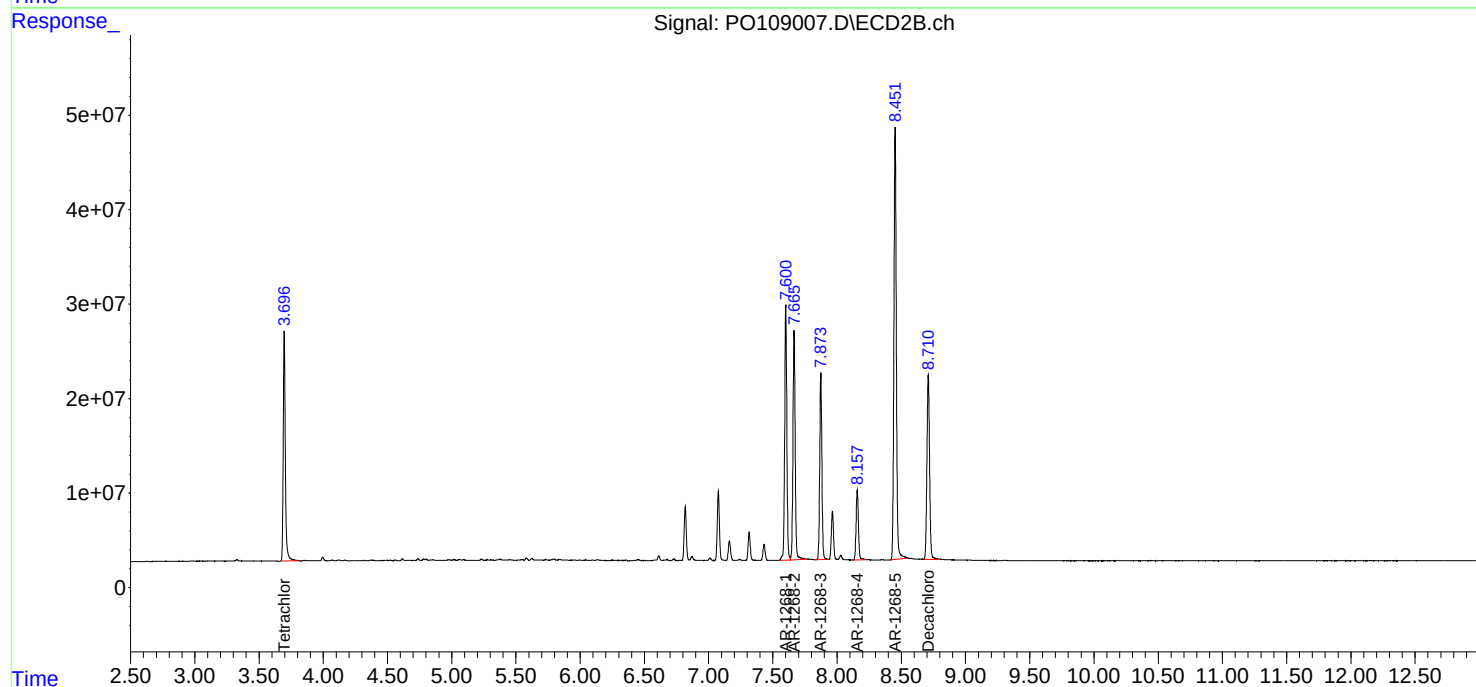
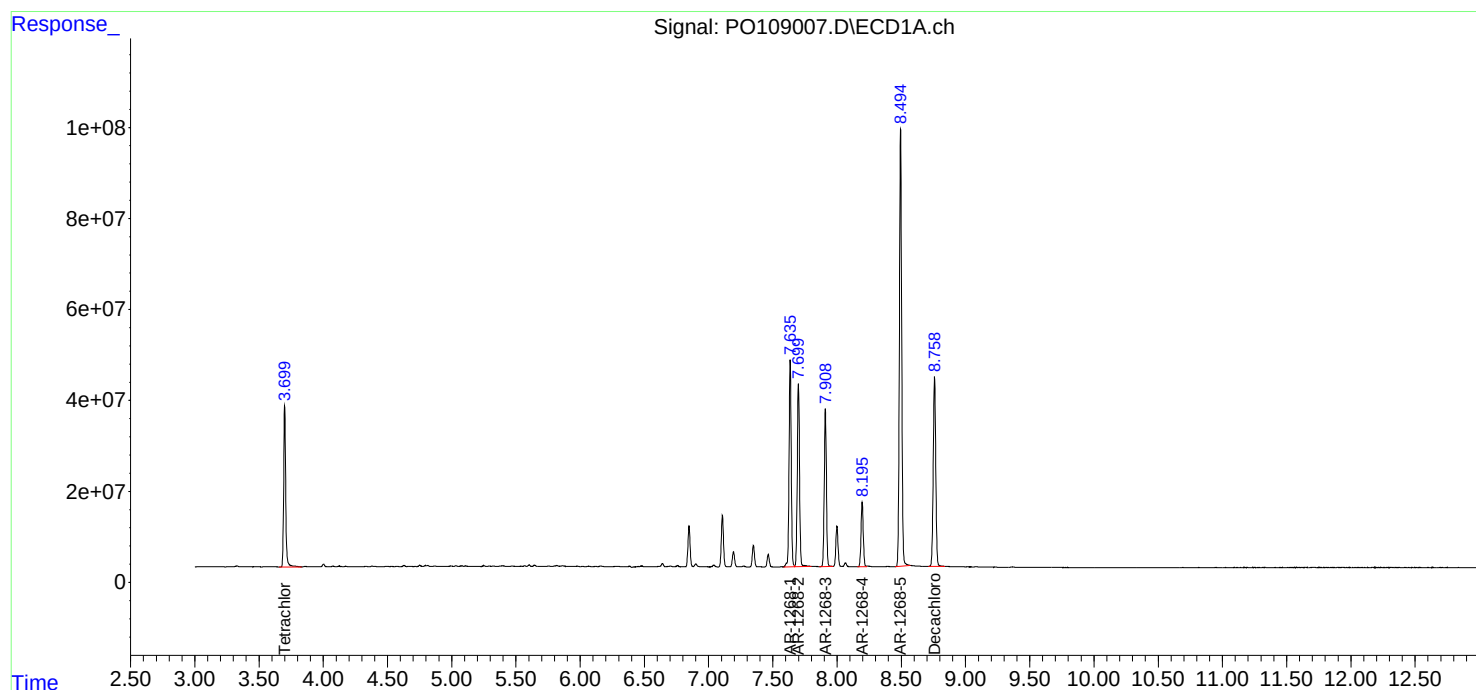
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

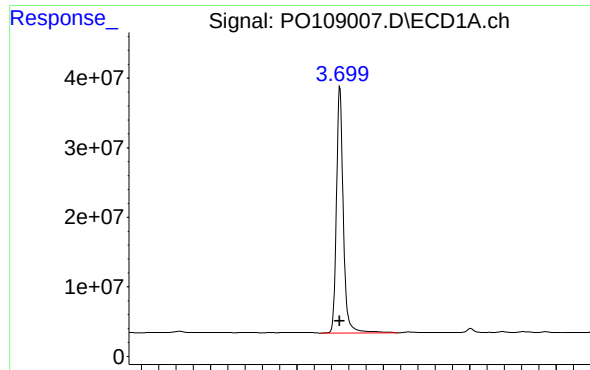
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:13
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

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

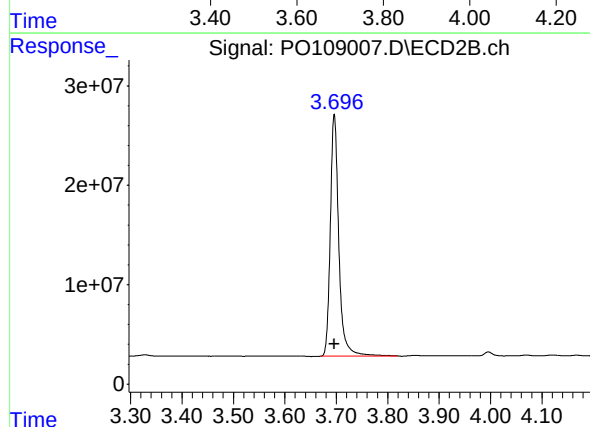




#1 Tetrachloro-m-xylene

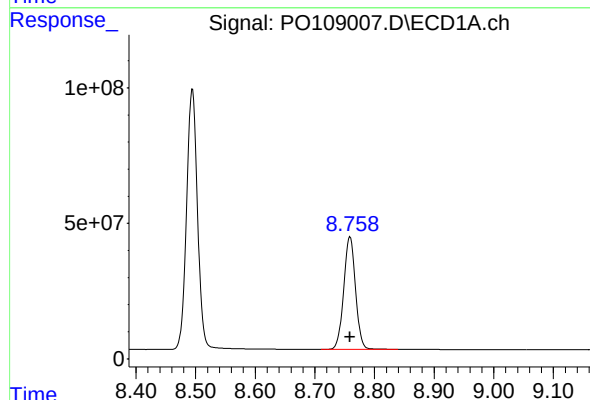
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 390602047
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



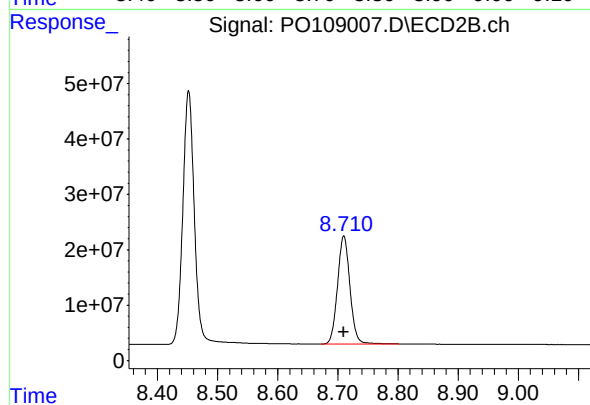
#1 Tetrachloro-m-xylene

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



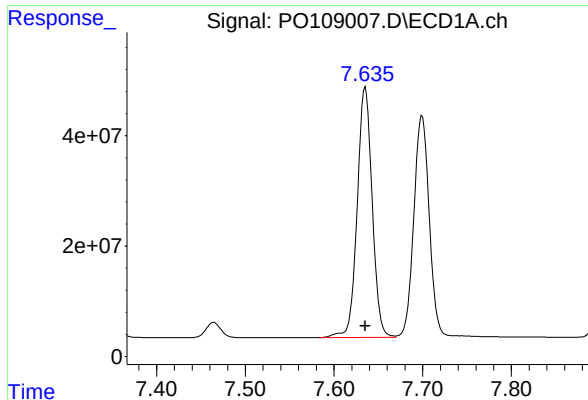
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

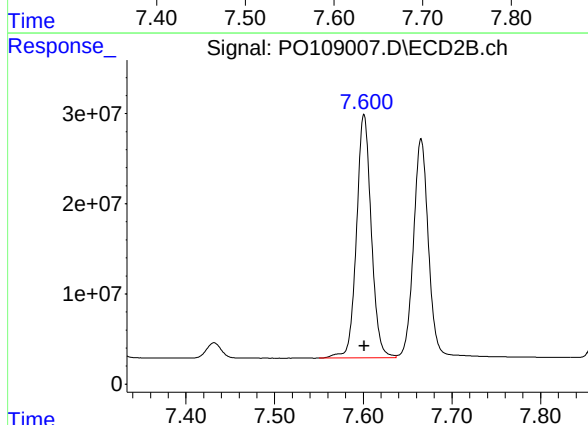
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 279523577
Conc: 50.00 ng/ml



#41 AR-1268-1

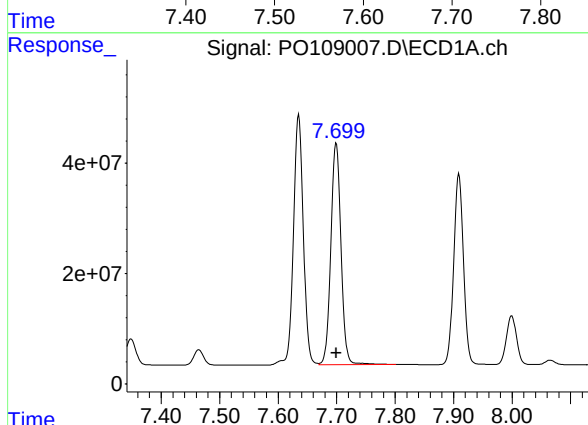
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 533835301
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



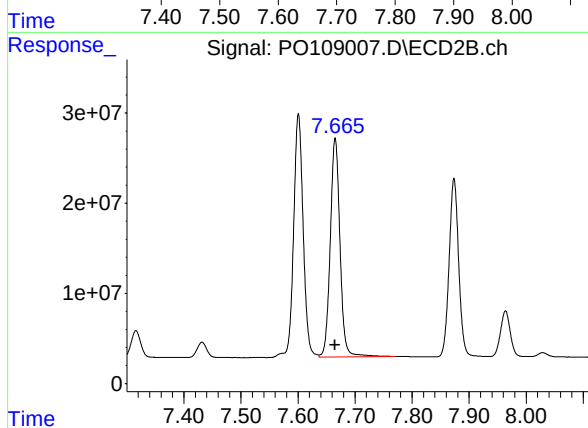
#41 AR-1268-1

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



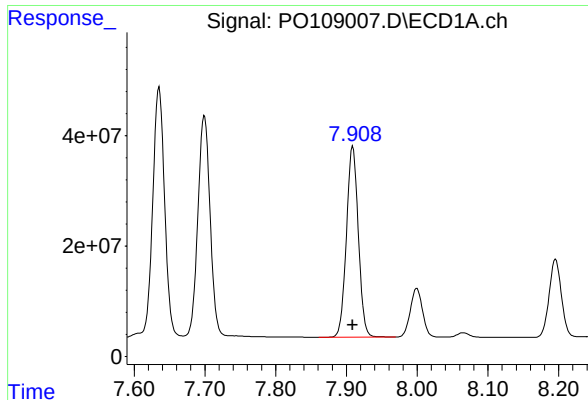
#42 AR-1268-2

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



#42 AR-1268-2

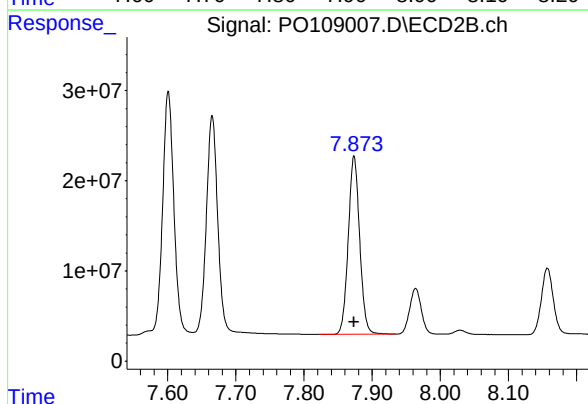
R.T.: 7.665 min
Delta R.T.: 0.000 min
Response: 285622282
Conc: 500.00 ng/ml



#43 AR-1268-3

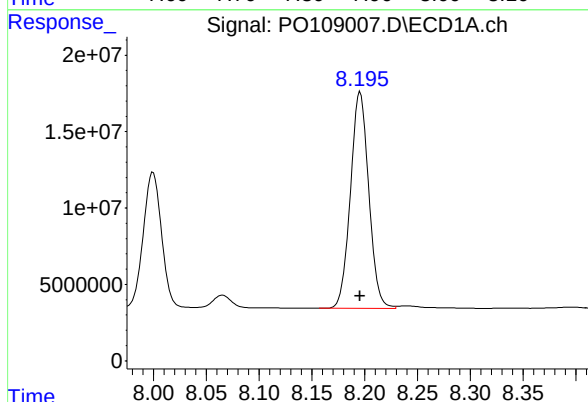
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 403929649
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



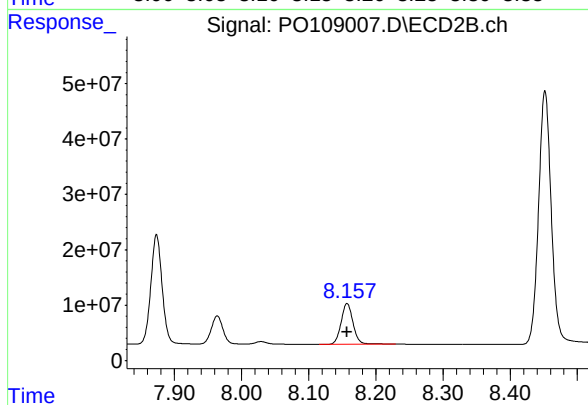
#43 AR-1268-3

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



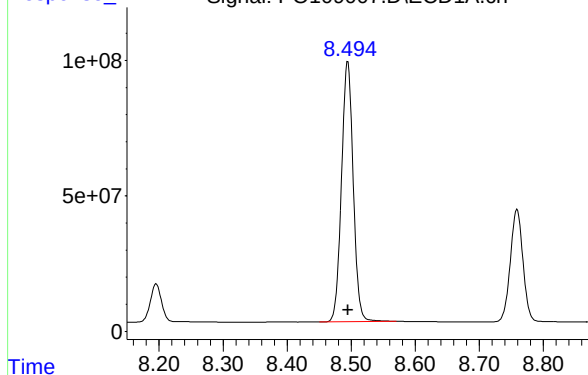
#44 AR-1268-4

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

Response_

Signal: PO109007.D\ECD1A.ch

#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 :

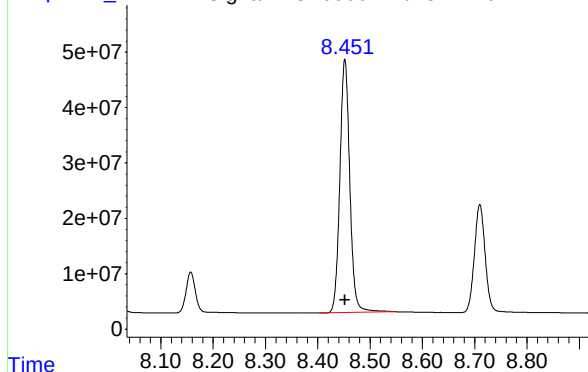
AR1268ICC500

Time

Response_

Signal: PO109007.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.452 min

Delta R.T.: 0.000 min

Response: 602733469

Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109008.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\P0012125.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

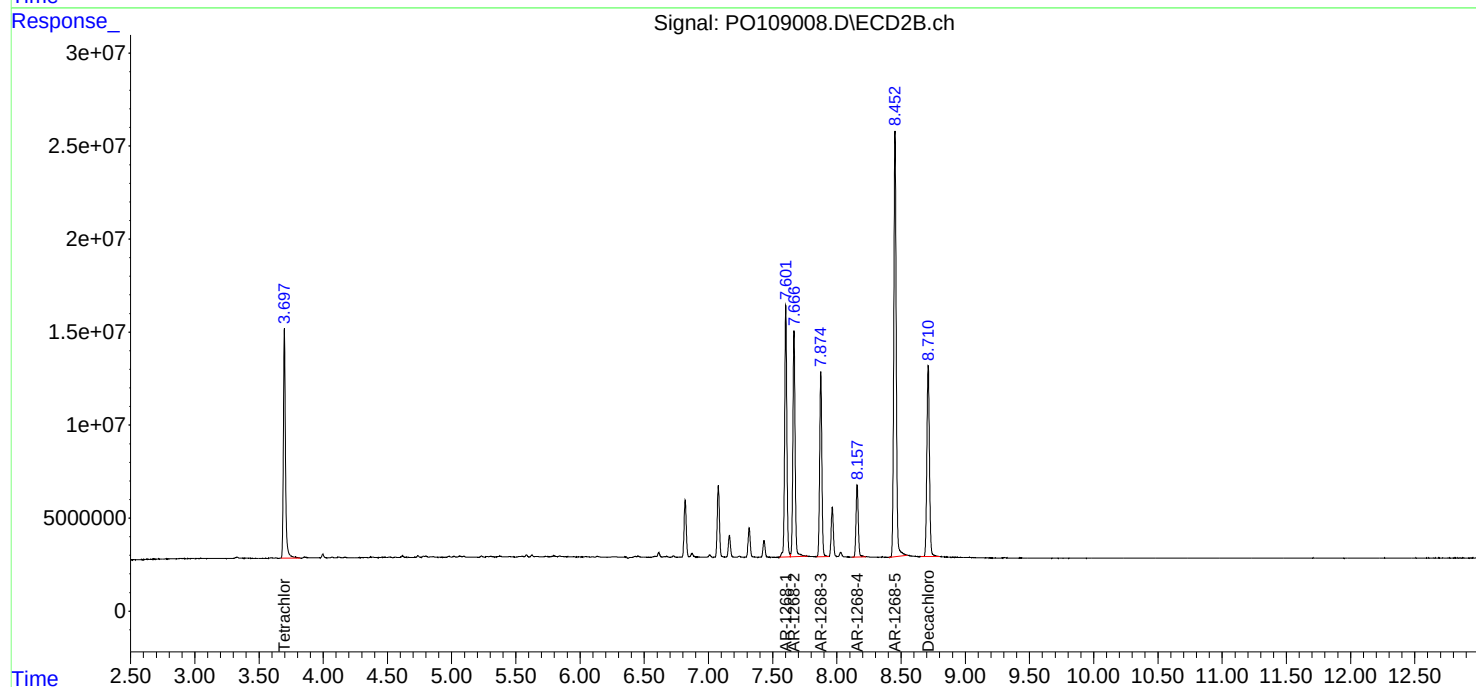
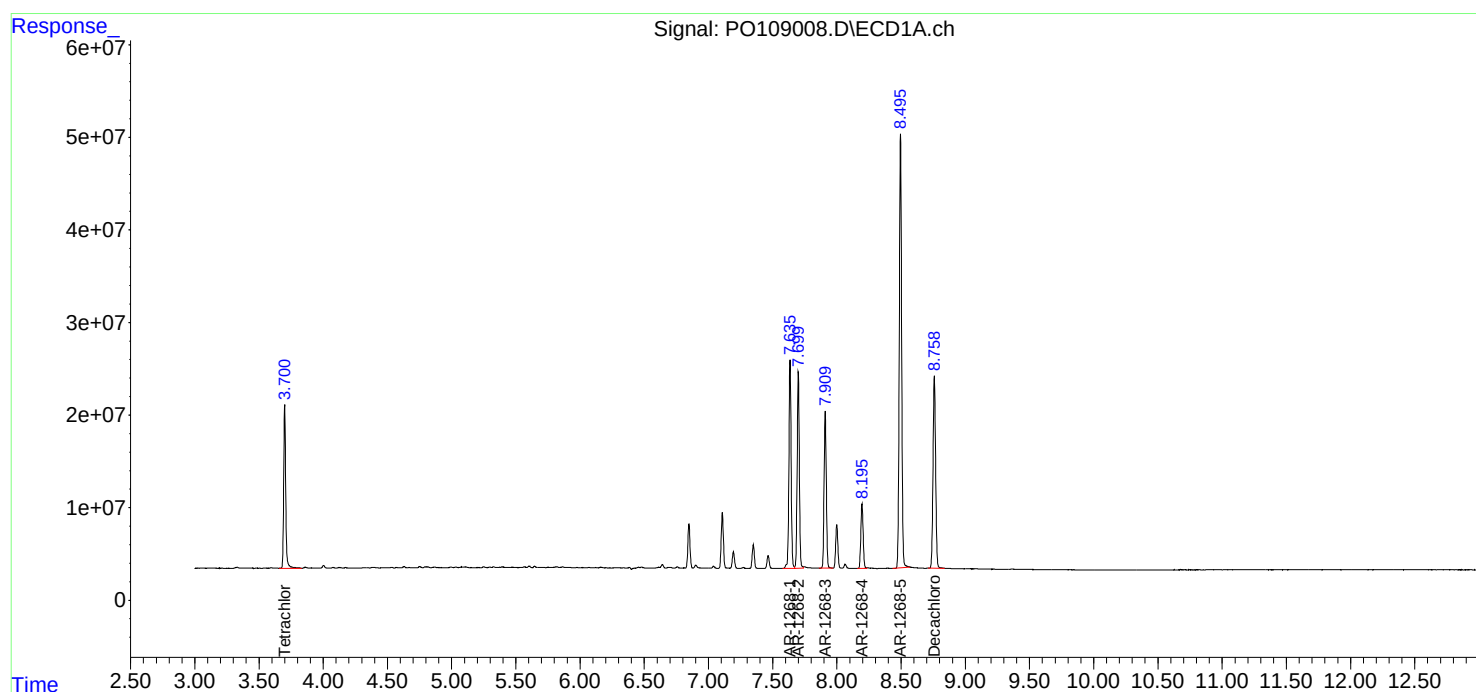
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

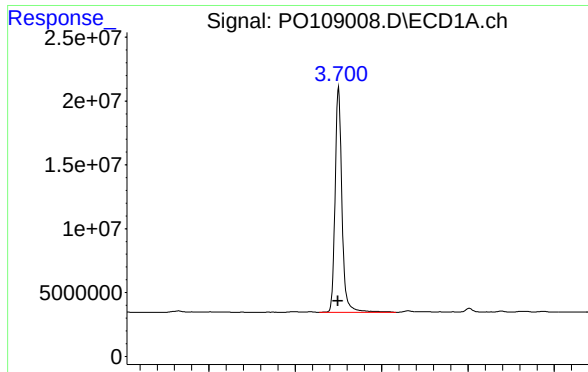
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:31
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

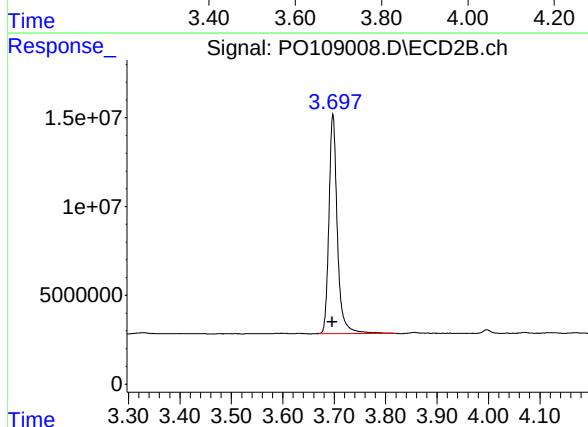




#1 Tetrachloro-m-xylene

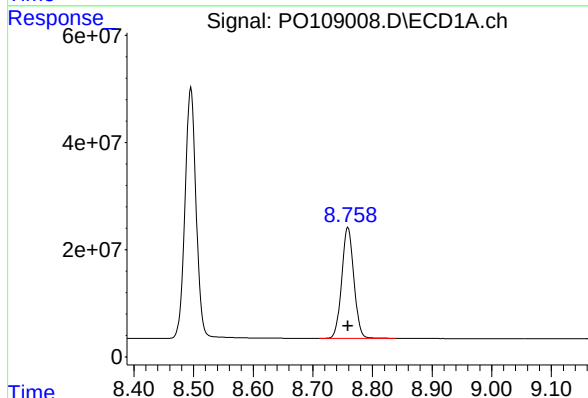
R.T.: 3.700 min
Delta R.T.: 0.001 min
Response: 196100442
Conc: 25.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



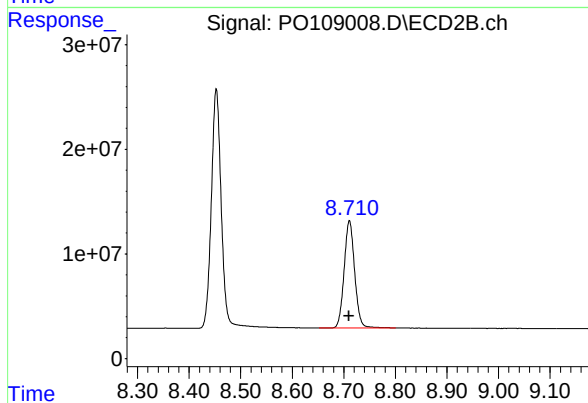
#1 Tetrachloro-m-xylene

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



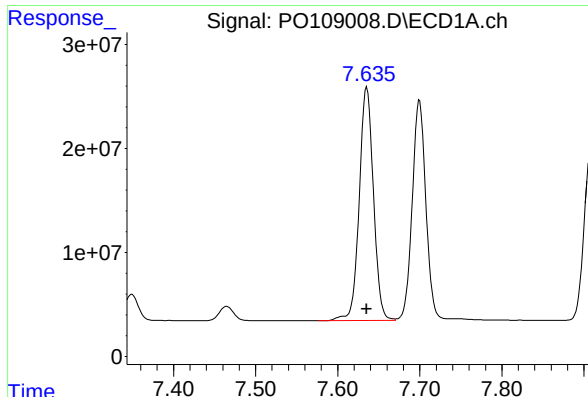
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

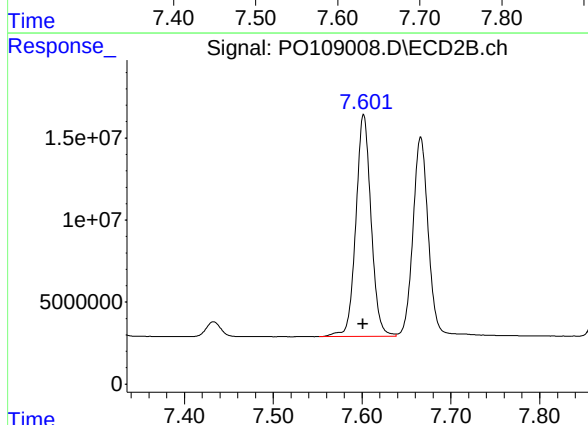
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 145063820
Conc: 25.95 ng/ml



#41 AR-1268-1

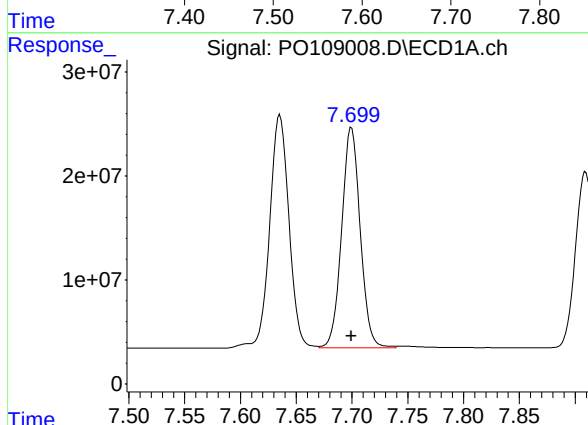
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 270068427
Conc: 252.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



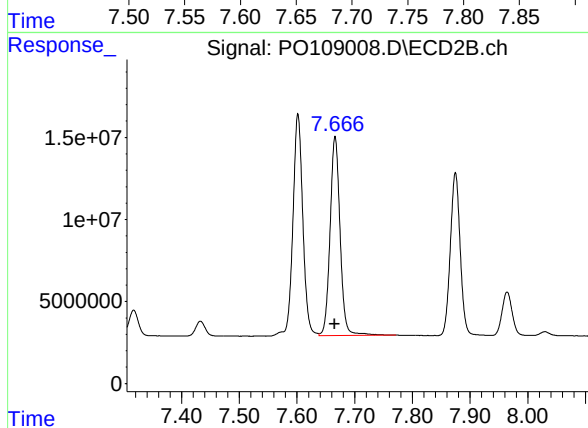
#41 AR-1268-1

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



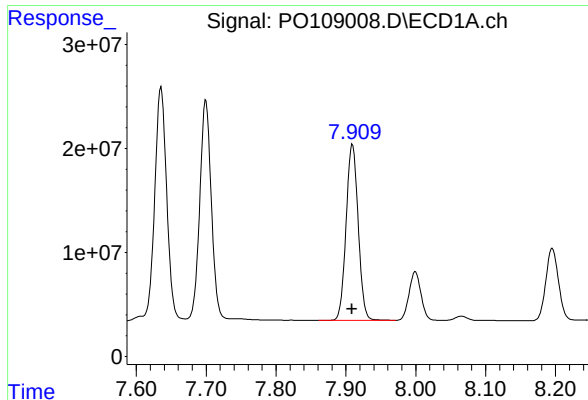
#42 AR-1268-2

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



#42 AR-1268-2

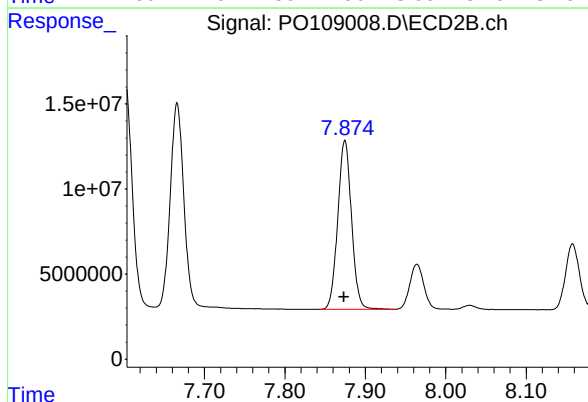
R.T.: 7.666 min
Delta R.T.: 0.000 min
Response: 146758137
Conc: 256.91 ng/ml



#43 AR-1268-3

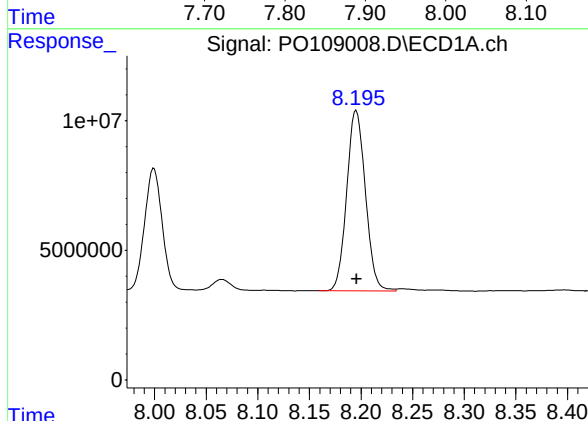
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 203573099
Conc: 251.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



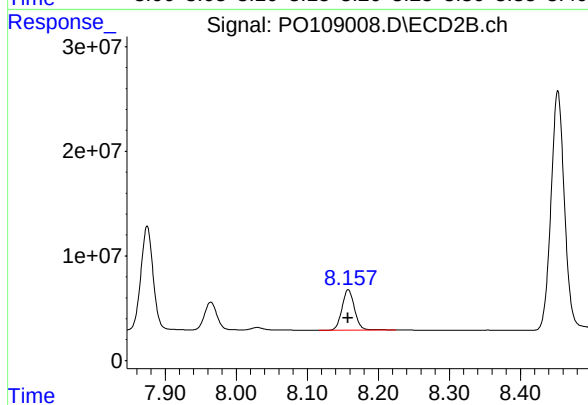
#43 AR-1268-3

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



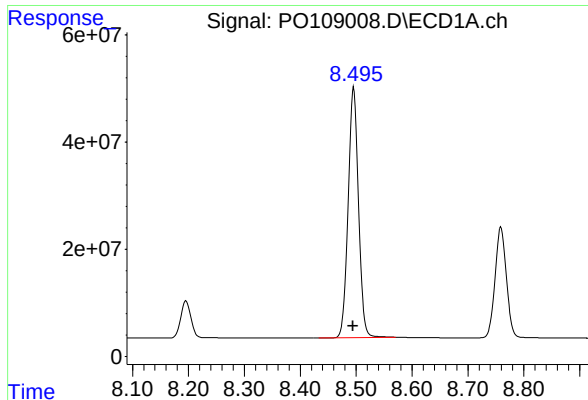
#44 AR-1268-4

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



#44 AR-1268-4

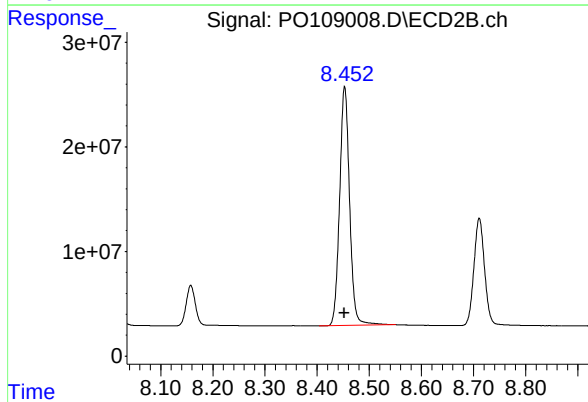
R.T.: 8.158 min
Delta R.T.: 0.000 min
Response: 47132080
Conc: 259.44 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109009.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\P0012125.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

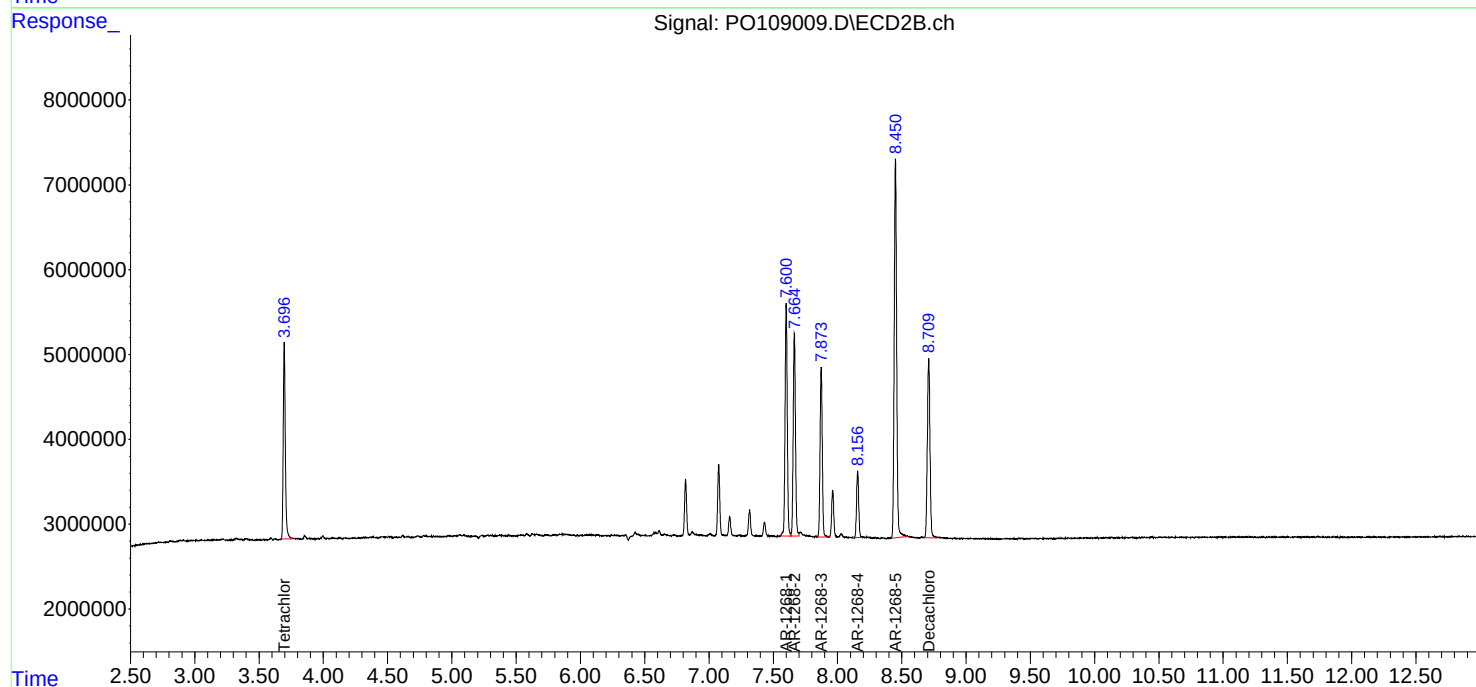
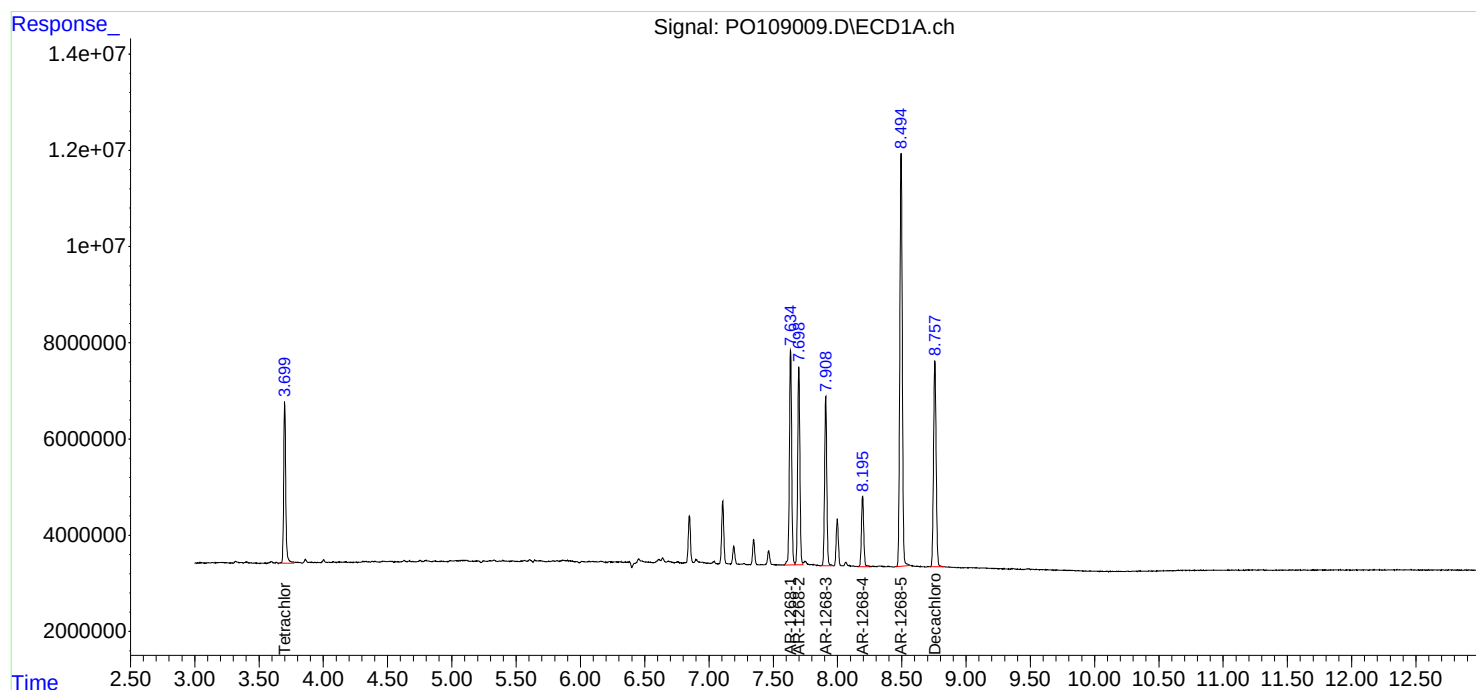
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

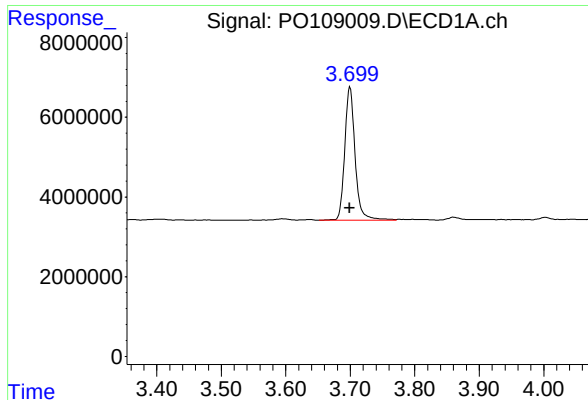
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 01:50
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

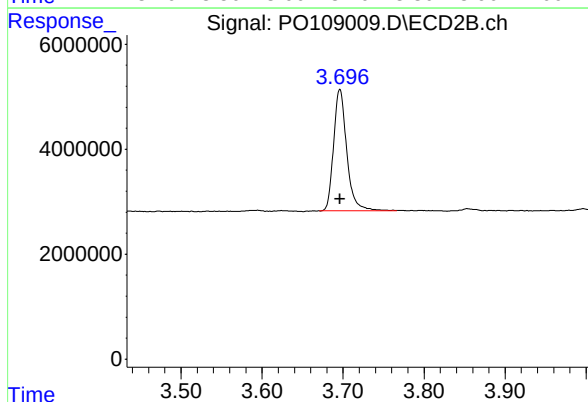




#1 Tetrachloro-m-xylene

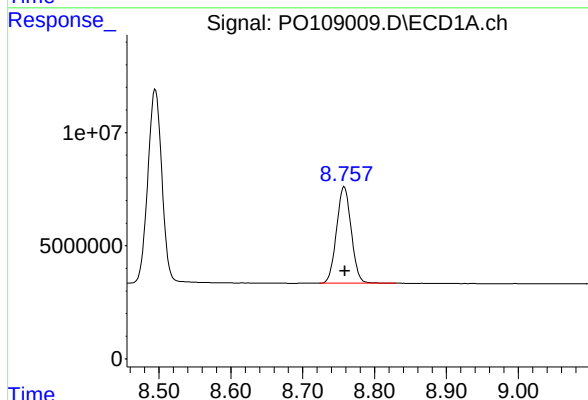
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 37547407
Conc: 4.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



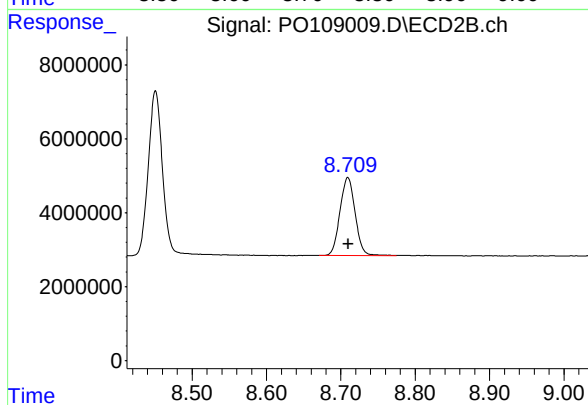
#1 Tetrachloro-m-xylene

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



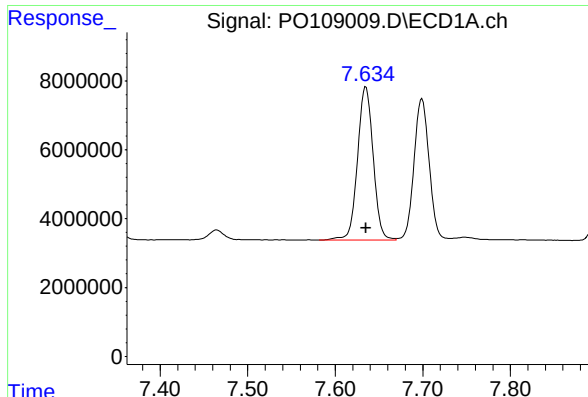
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

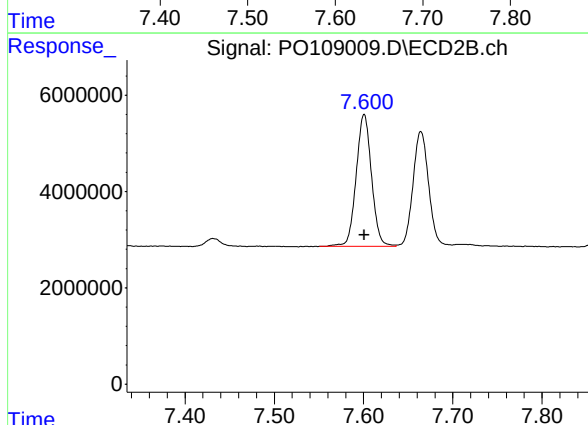
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 29985616
Conc: 5.42 ng/ml



#41 AR-1268-1

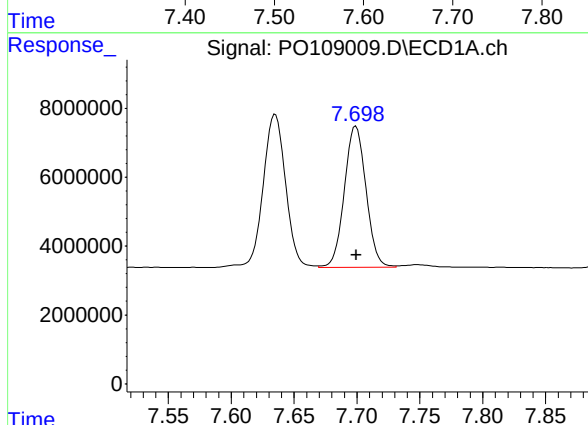
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 55249101
Conc: 52.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



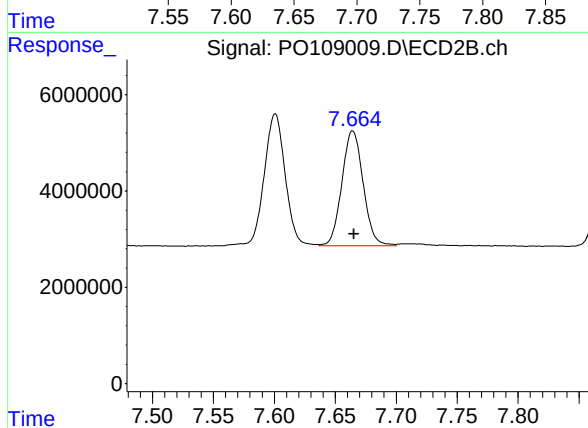
#41 AR-1268-1

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



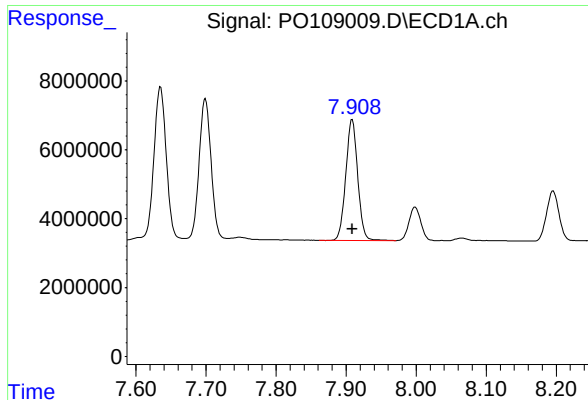
#42 AR-1268-2

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



#42 AR-1268-2

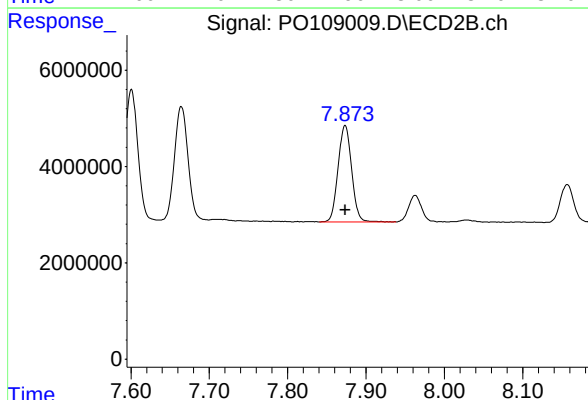
R.T.: 7.664 min
Delta R.T.: 0.000 min
Response: 29059925
Conc: 51.11 ng/ml



#43 AR-1268-3

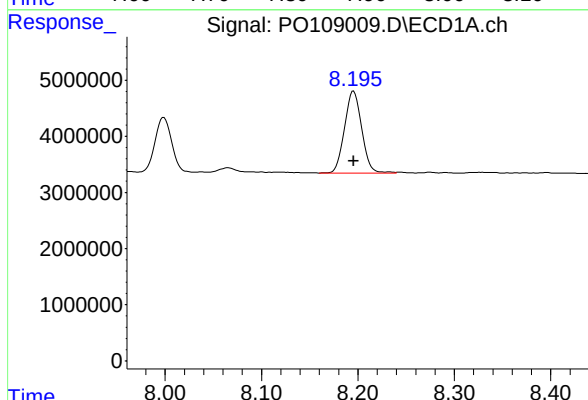
R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 41716645
Conc: 52.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



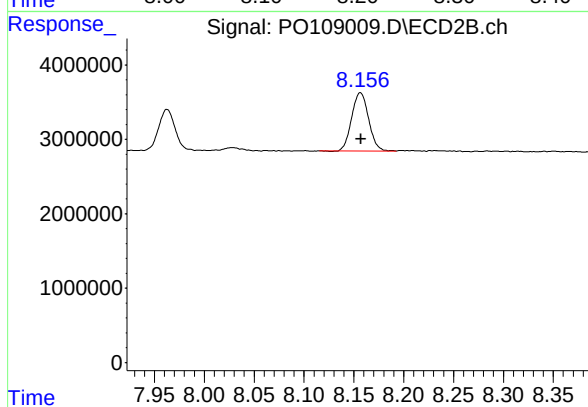
#43 AR-1268-3

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



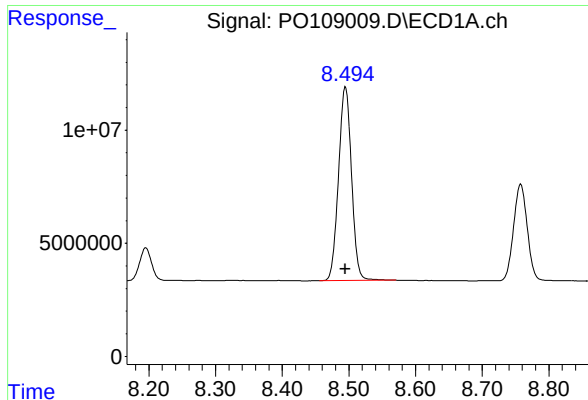
#44 AR-1268-4

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



#44 AR-1268-4

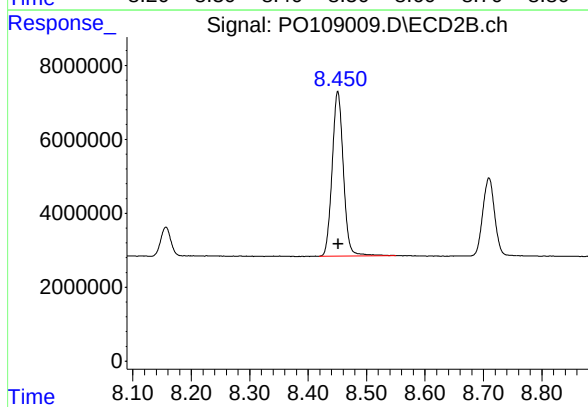
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 9246442
Conc: 51.54 ng/ml



#45 AR-1268-5

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jan 2025 02:08
 Operator : YP/AJ
 Sample : P0012125ICV500
 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\P0012125.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.

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

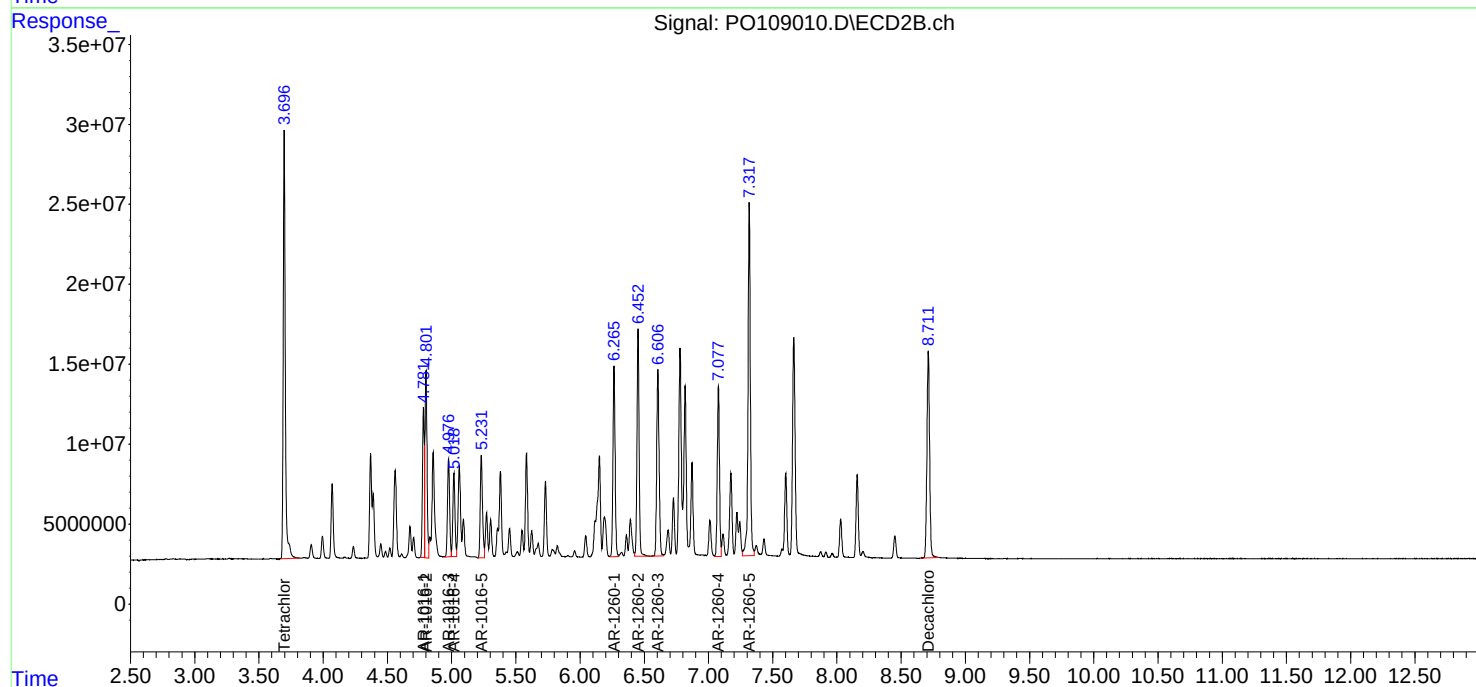
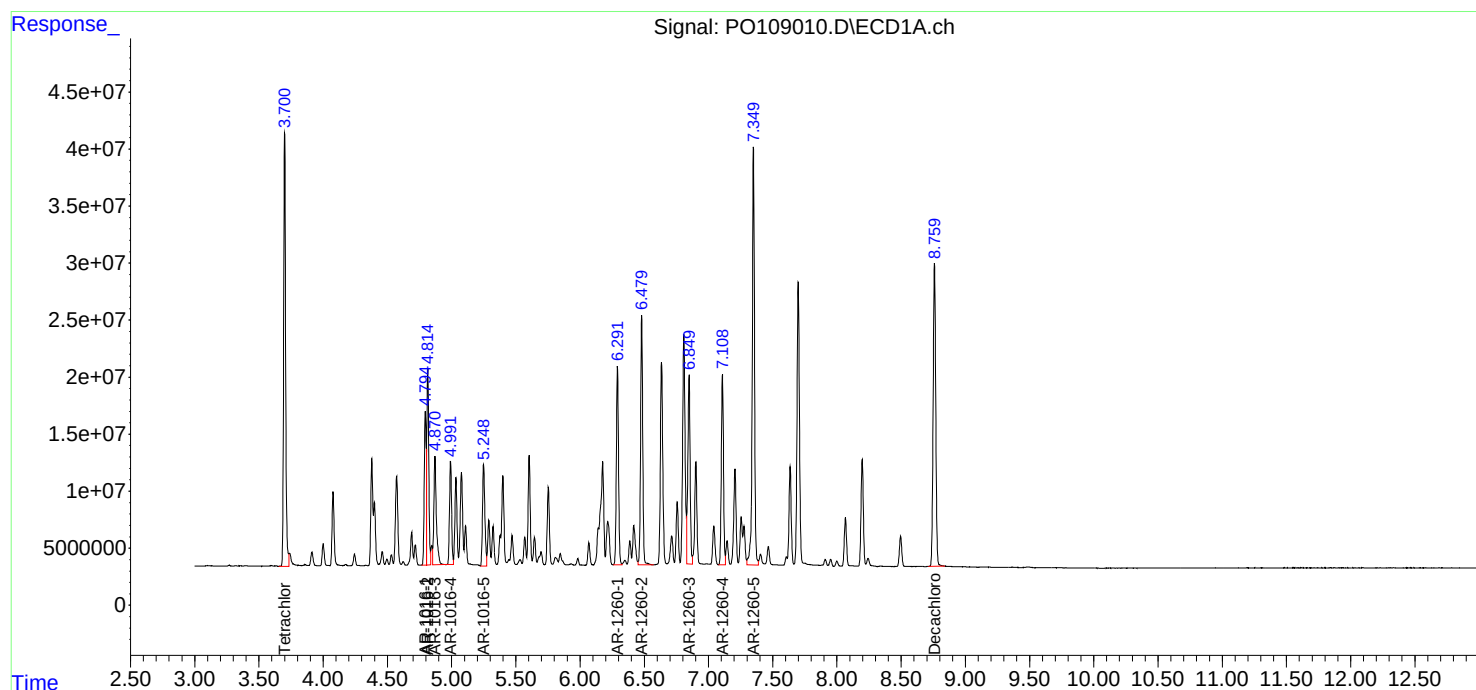
APPROVED

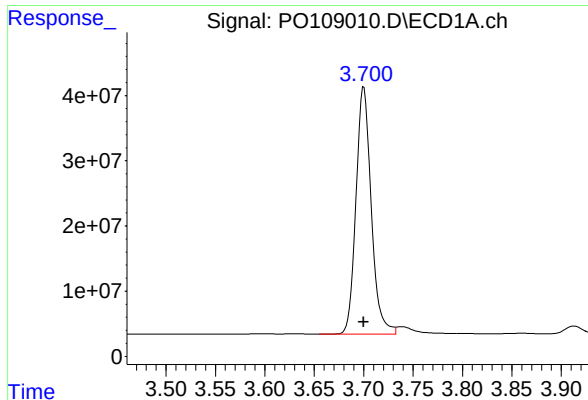
Reviewed By :Yogesh Patel 01/22/2025

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





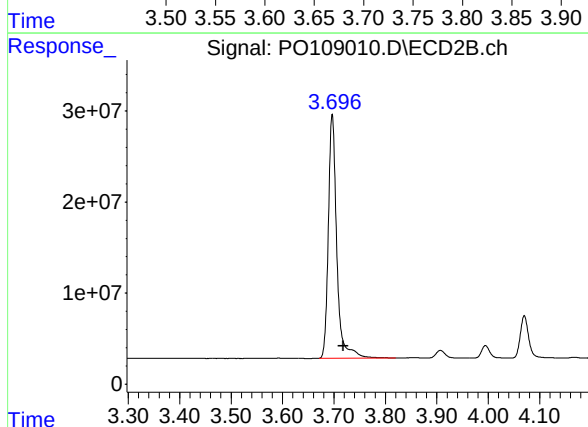
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

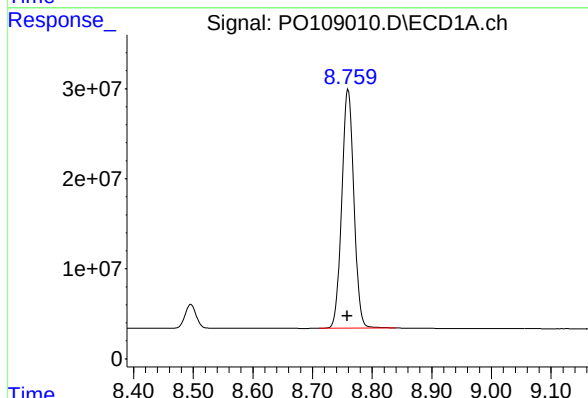
Manual Integrations
APPROVED

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



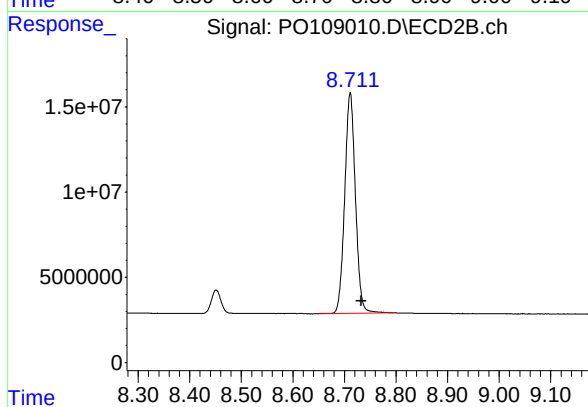
#1 Tetrachloro-m-xylene

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



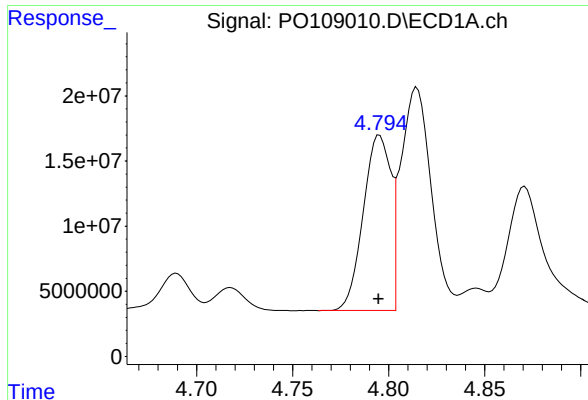
#2 Decachlorobiphenyl

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



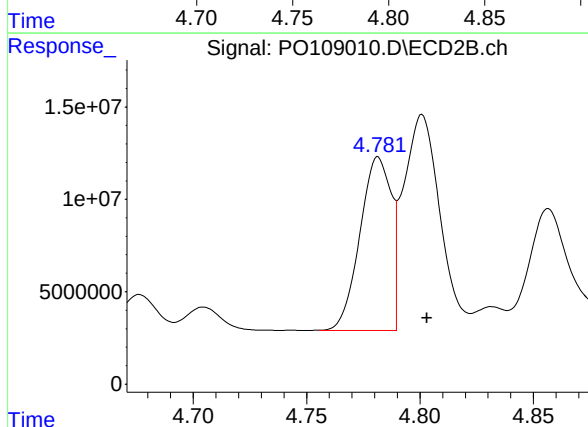
#3 AR-1016-1

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

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

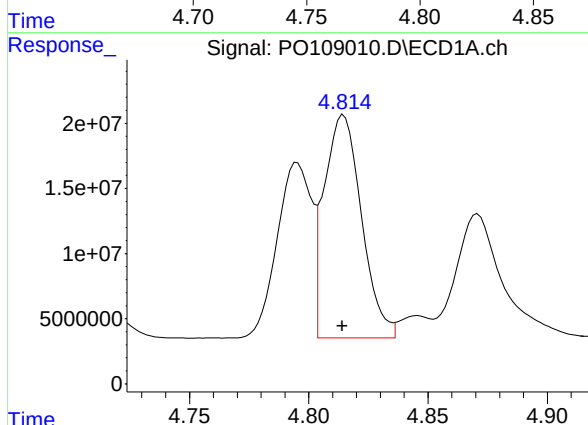
Manual Integrations
APPROVED

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



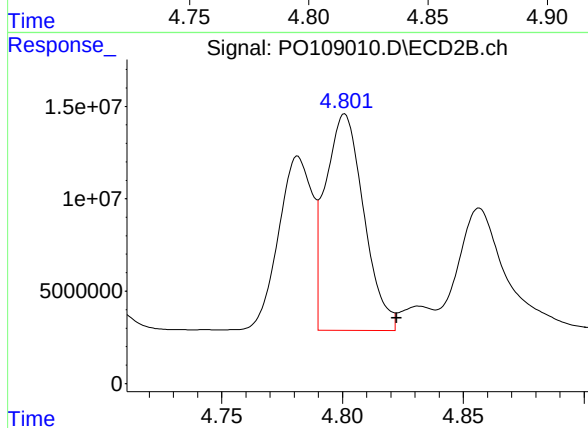
#3 AR-1016-1

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



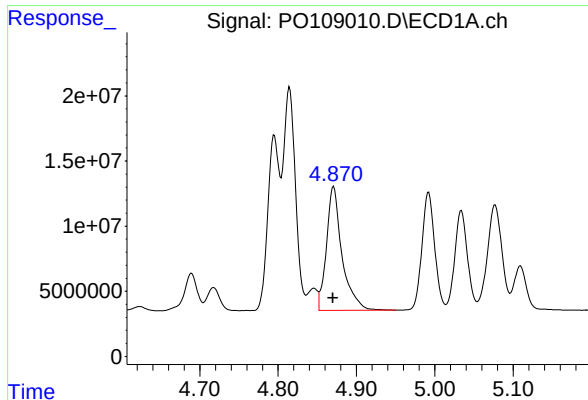
#4 AR-1016-2

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



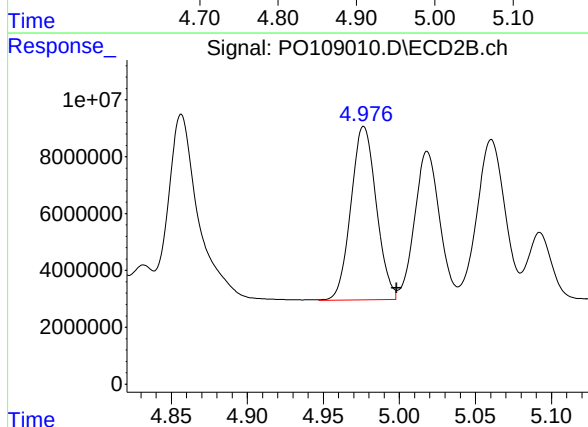
#5 AR-1016-3

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

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

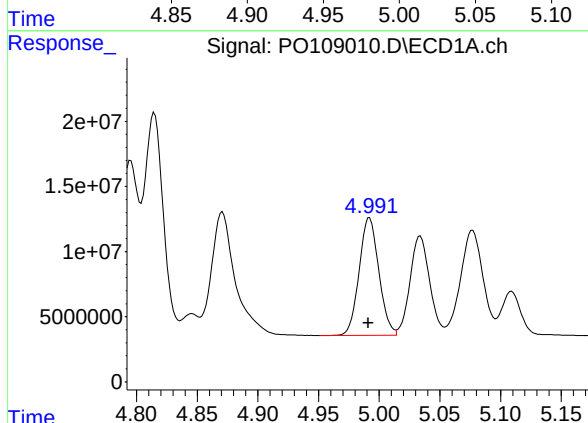
Manual Integrations
APPROVED

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



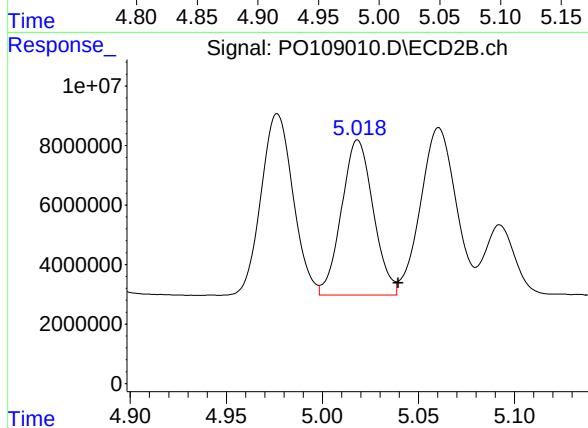
#5 AR-1016-3

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



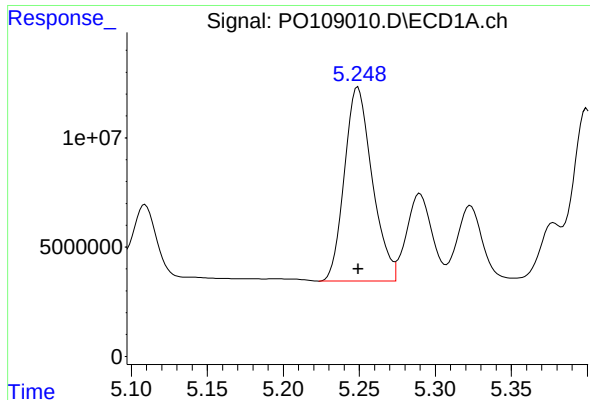
#6 AR-1016-4

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



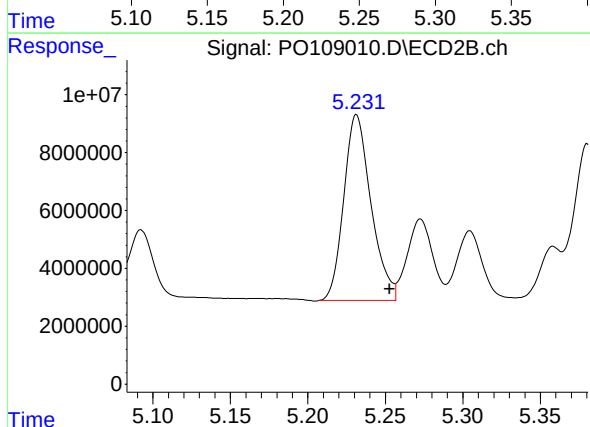
#7 AR-1016-5

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

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

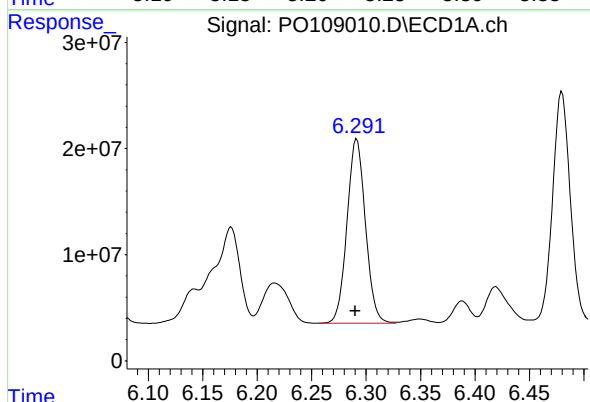
Manual Integrations
APPROVED

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



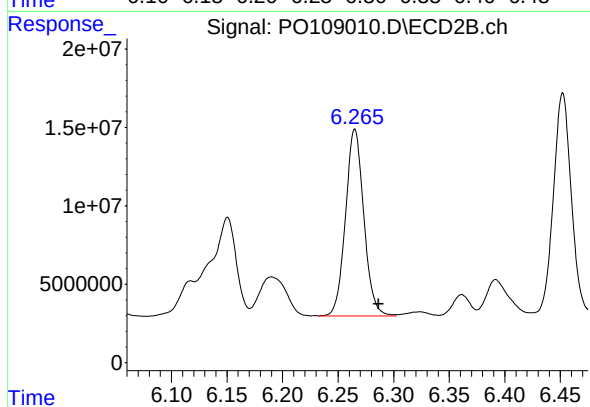
#7 AR-1016-5

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



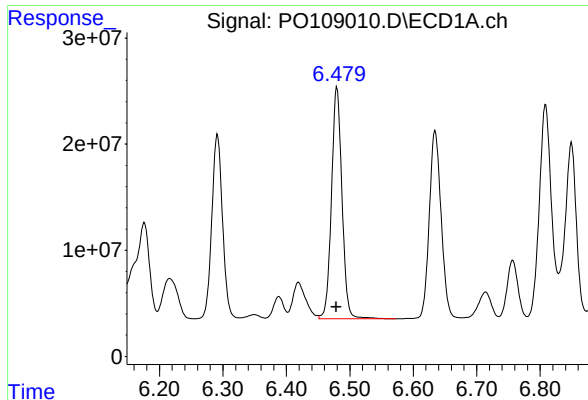
#31 AR-1260-1

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



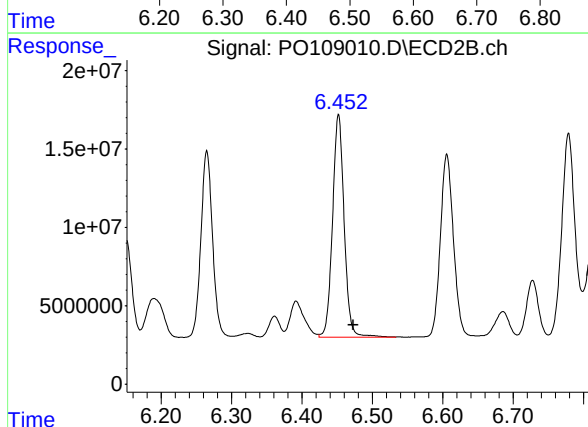
#32 AR-1260-2

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

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

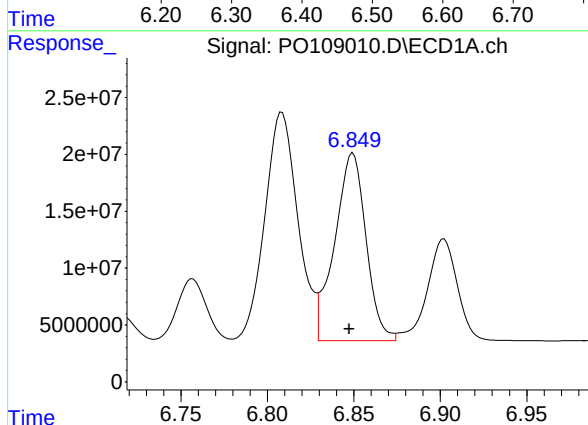
Manual Integrations
APPROVED

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



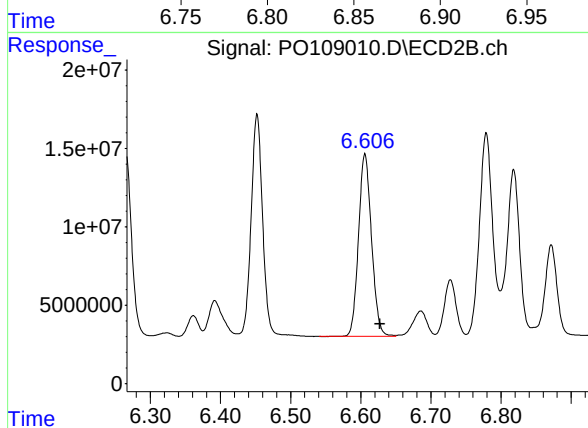
#32 AR-1260-2

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



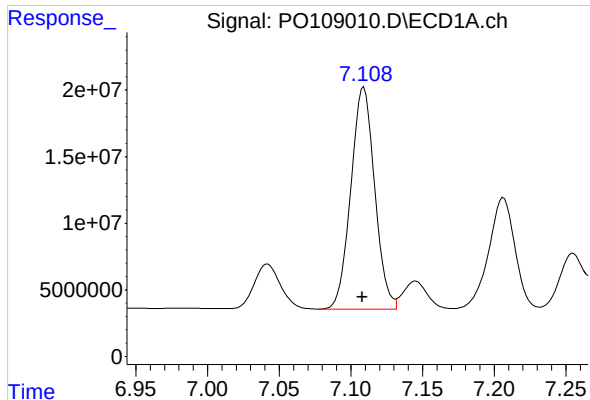
#33 AR-1260-3

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



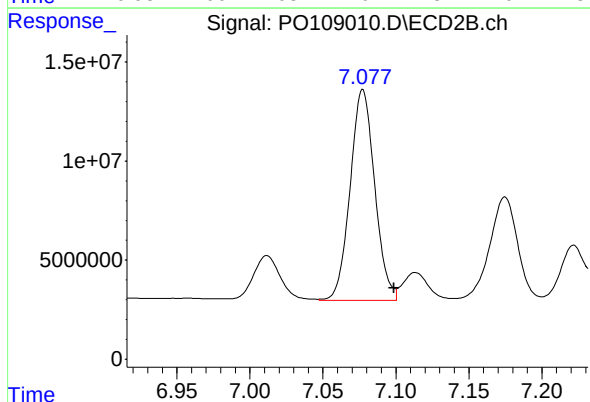
#34 AR-1260-4

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

Instrument :
ECD_O
ClientSampleId :
ICVPO012125

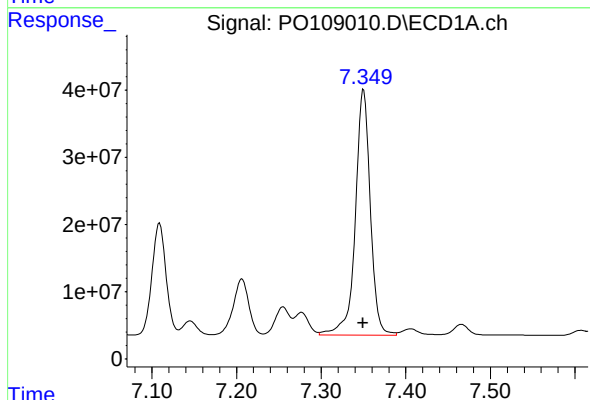
Manual Integrations
APPROVED

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



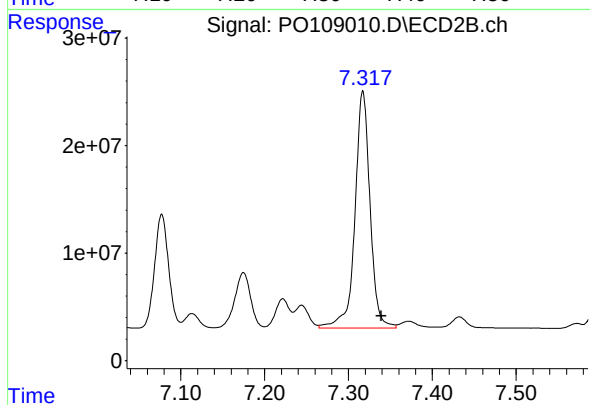
#34 AR-1260-4

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



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109011.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\P0012125.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

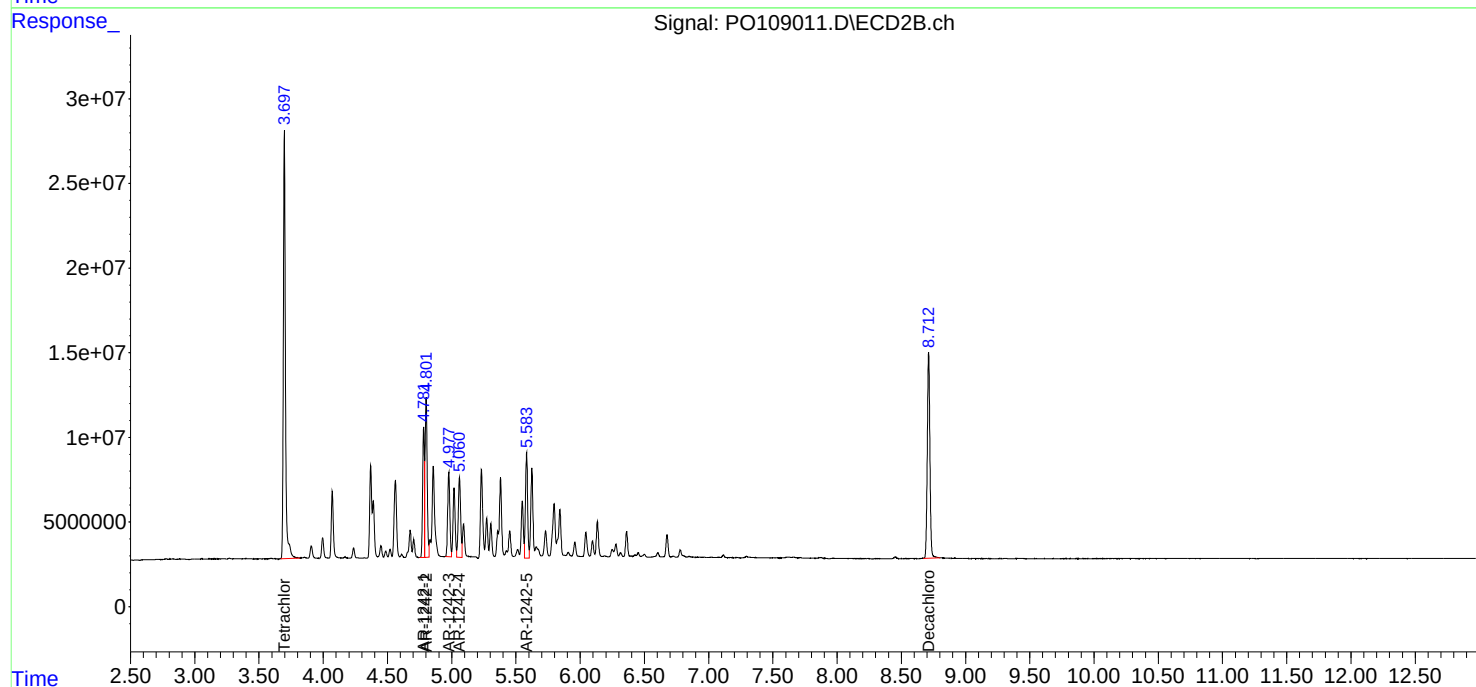
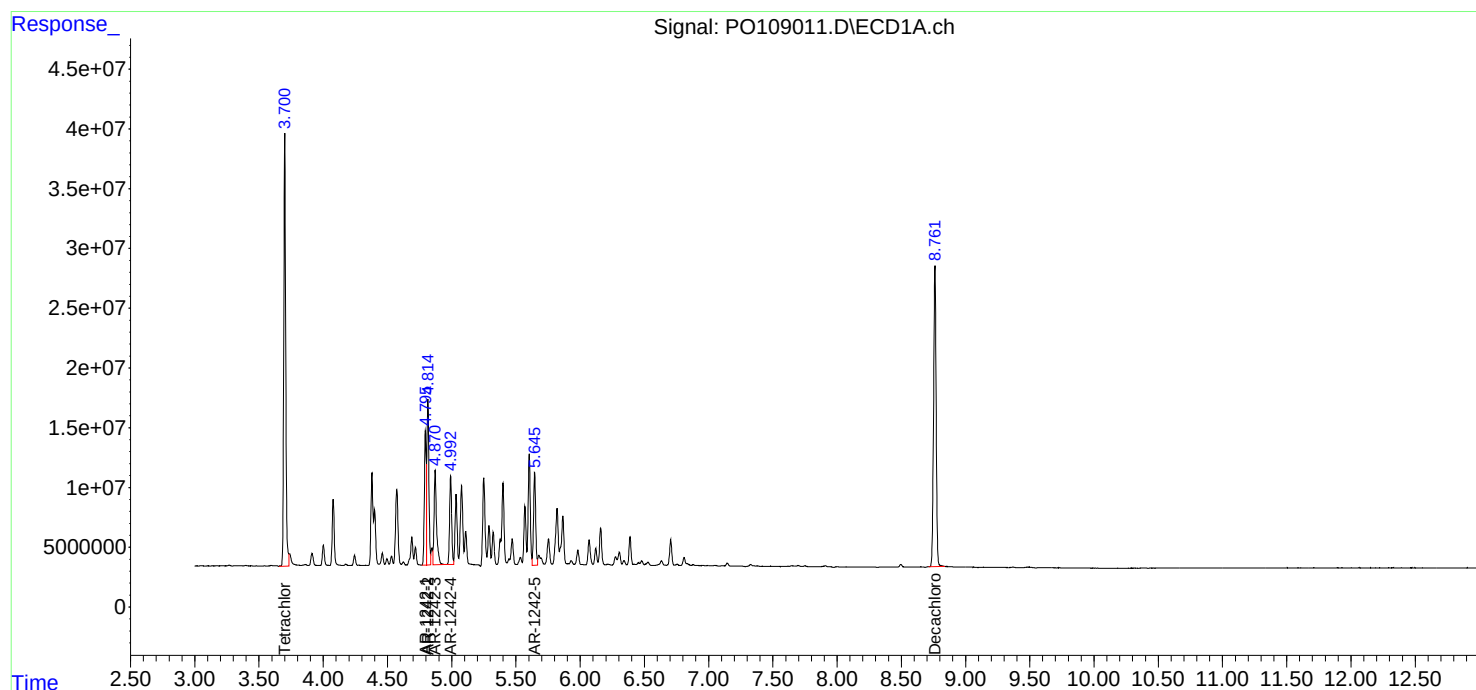
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

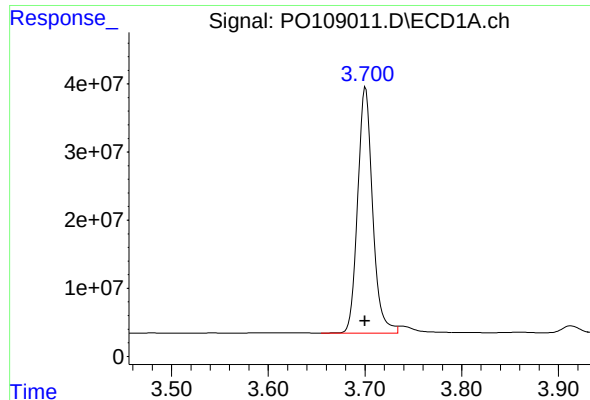
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:26
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

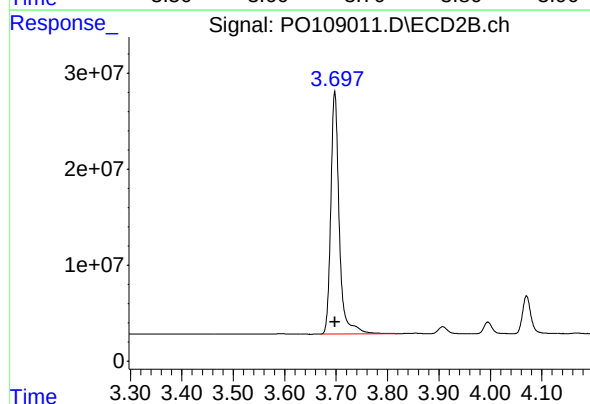




#1 Tetrachloro-m-xylene

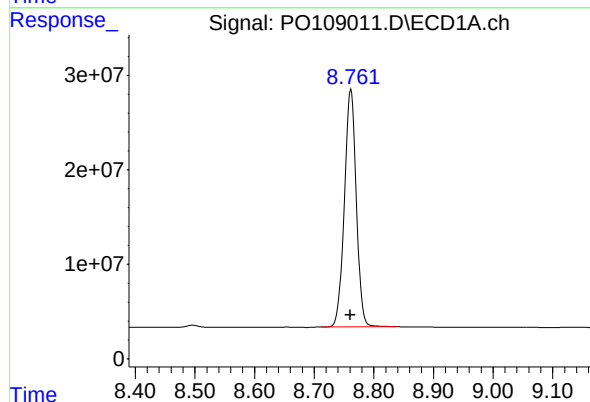
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 386287216
Conc: 52.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242



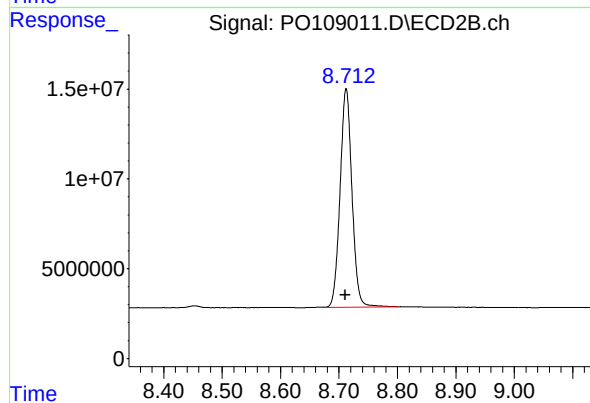
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 286593943
Conc: 54.63 ng/ml



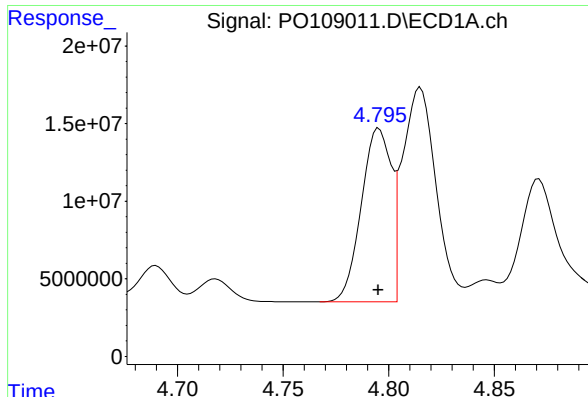
#2 Decachlorobiphenyl

R.T.: 8.762 min
Delta R.T.: 0.001 min
Response: 347073124
Conc: 52.93 ng/ml



#2 Decachlorobiphenyl

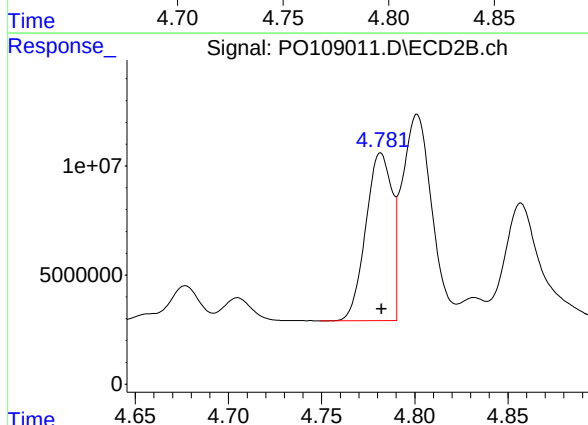
R.T.: 8.712 min
Delta R.T.: 0.002 min
Response: 171883230
Conc: 52.64 ng/ml



#16 AR-1242-1

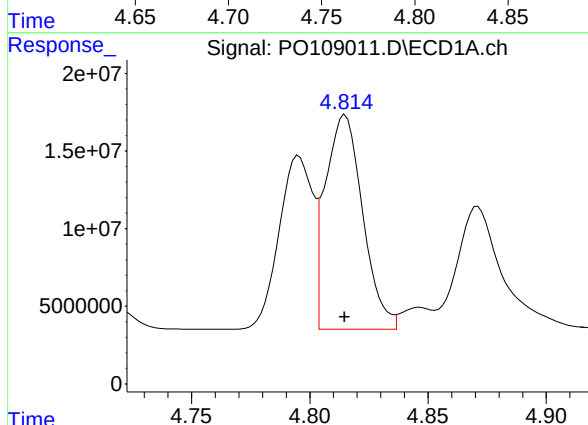
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 110324439
Conc: 519.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242



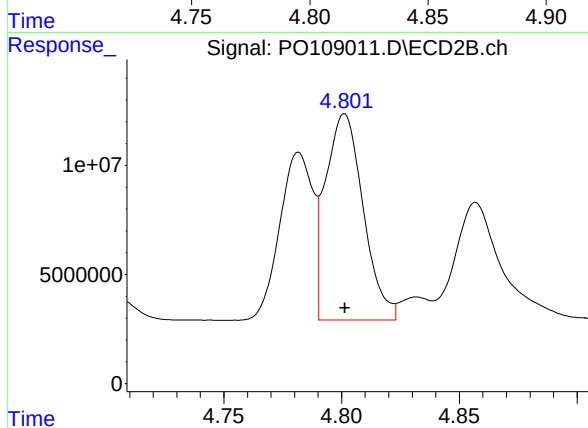
#16 AR-1242-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 75063056
Conc: 525.24 ng/ml



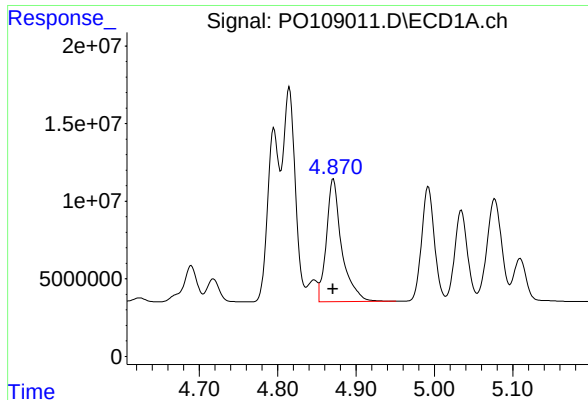
#17 AR-1242-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 151800139
Conc: 529.43 ng/ml



#17 AR-1242-2

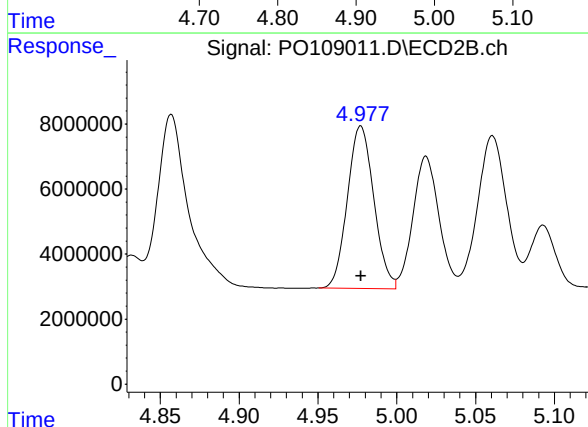
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 105232691
Conc: 533.59 ng/ml



#18 AR-1242-3

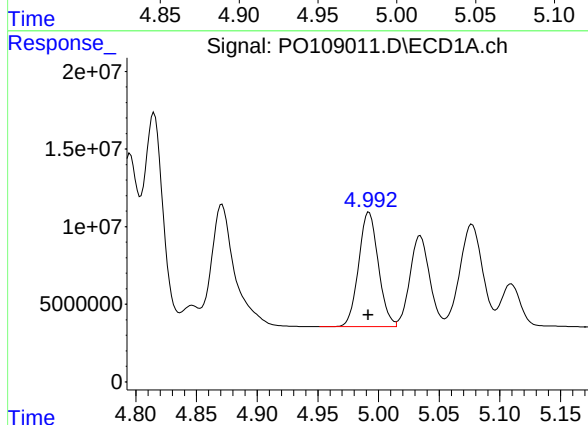
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 107484021
Conc: 525.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1242



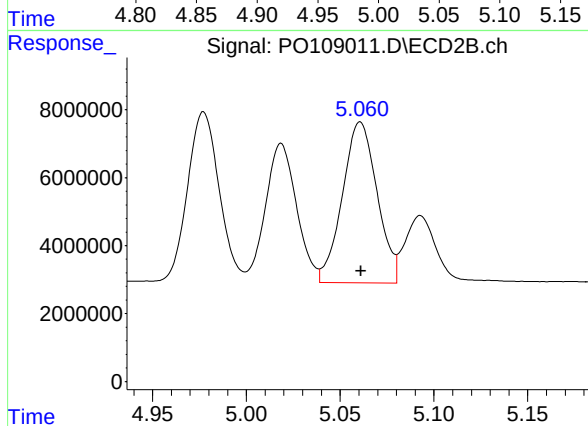
#18 AR-1242-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 58321364
Conc: 534.85 ng/ml



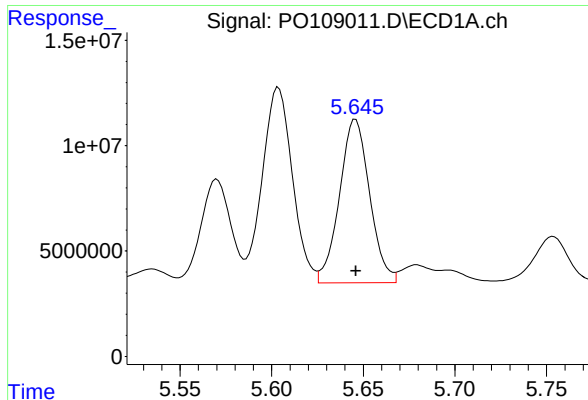
#19 AR-1242-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 83448593
Conc: 525.27 ng/ml



#19 AR-1242-4

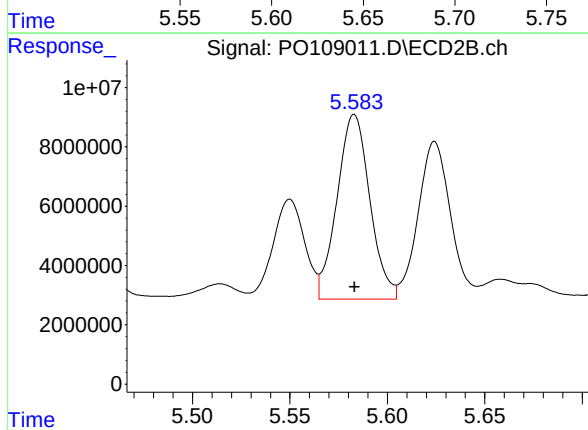
R.T.: 5.061 min
Delta R.T.: 0.000 min
Response: 61045200
Conc: 537.16 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109012.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\P0012125.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

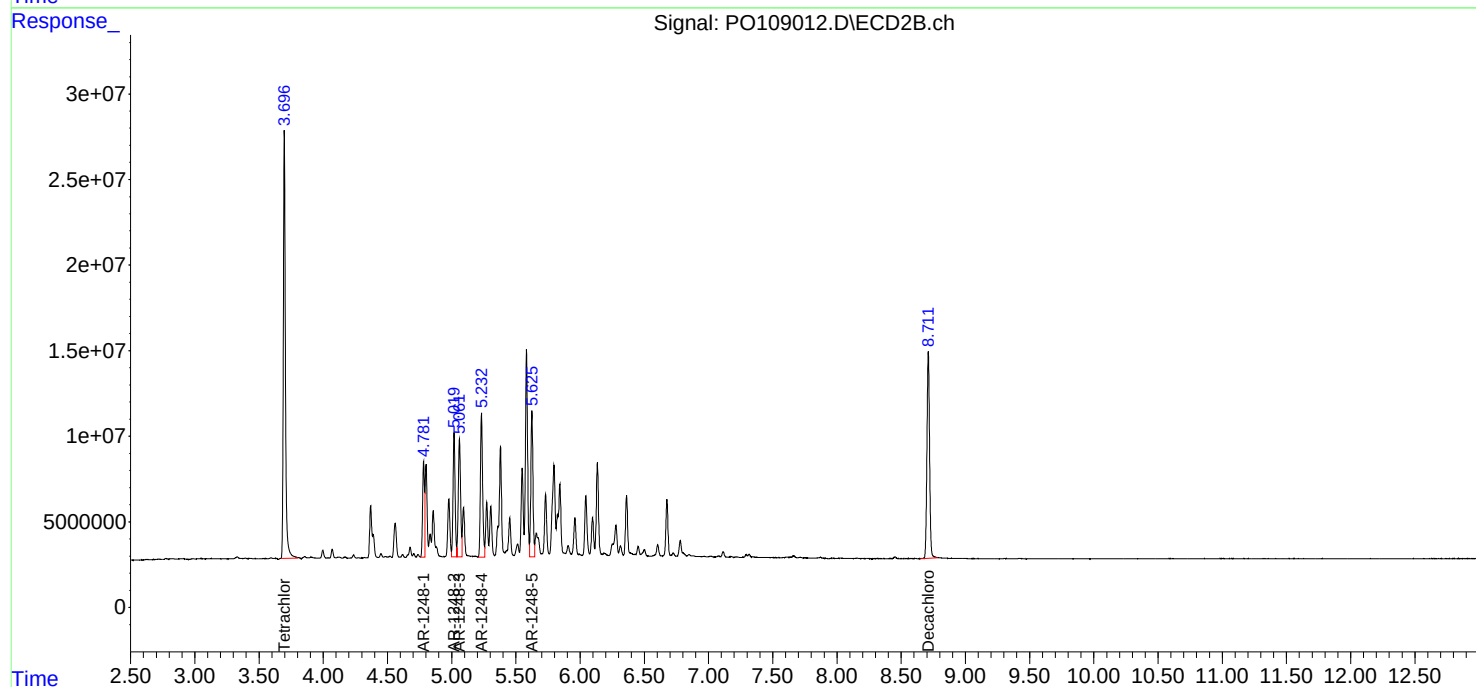
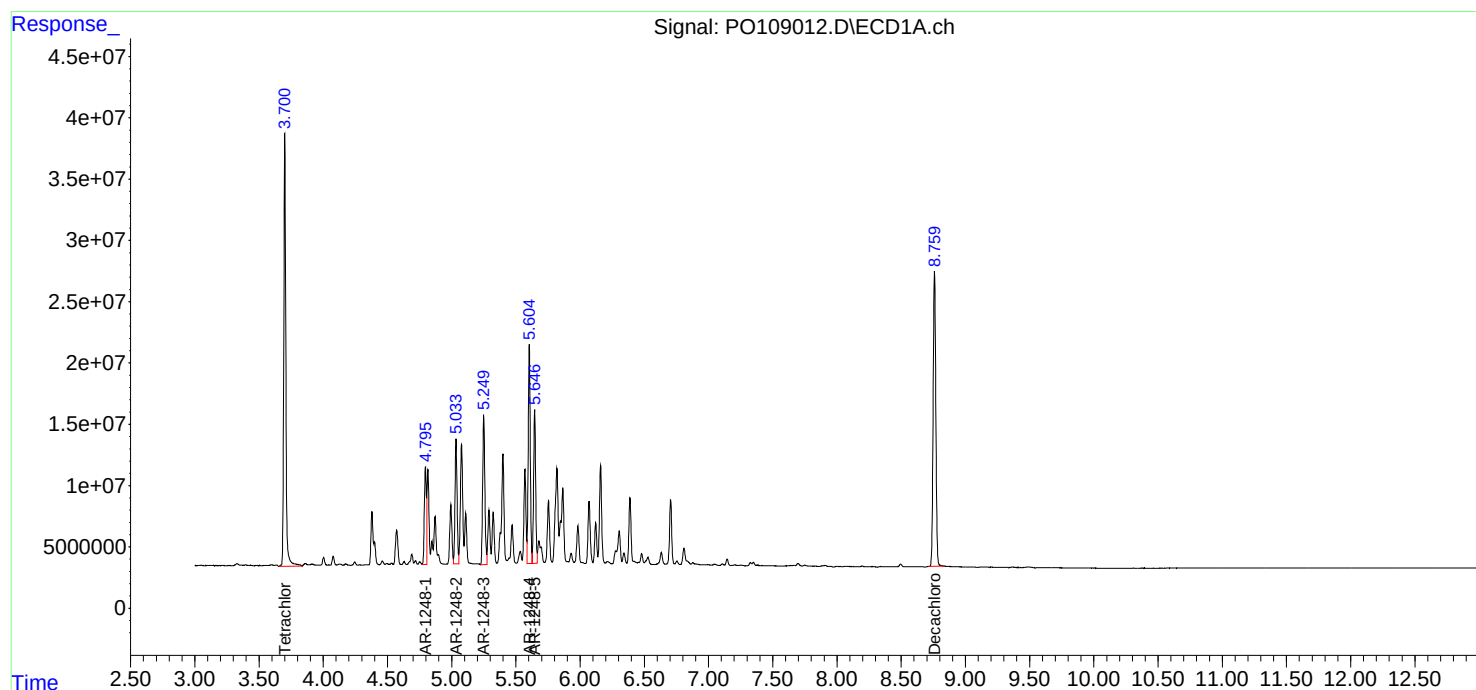
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

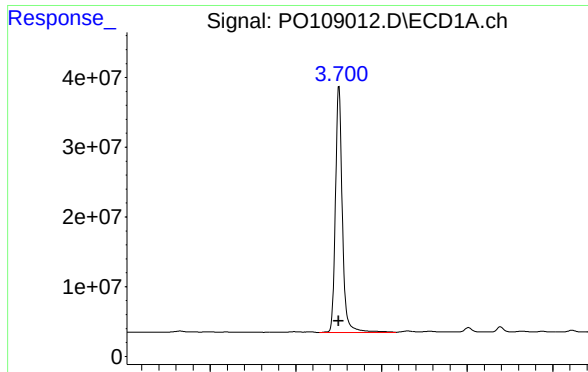
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 02:44
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

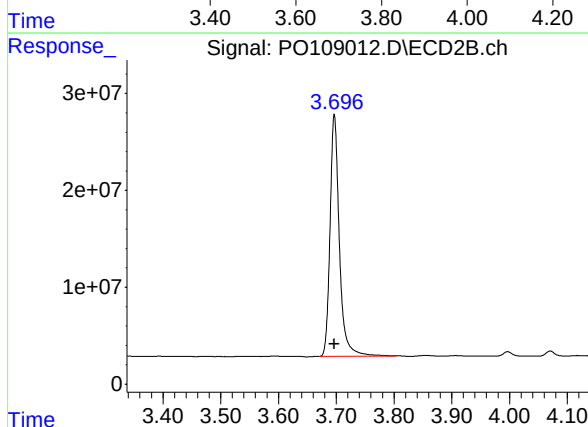




#1 Tetrachloro-m-xylene

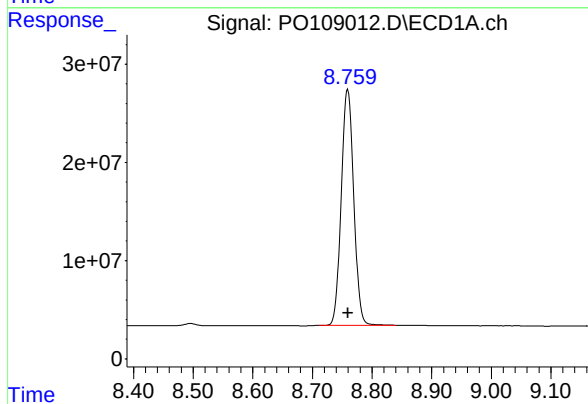
R.T.: 3.701 min
Delta R.T.: 0.000 min
Response: 398988402
Conc: 53.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248



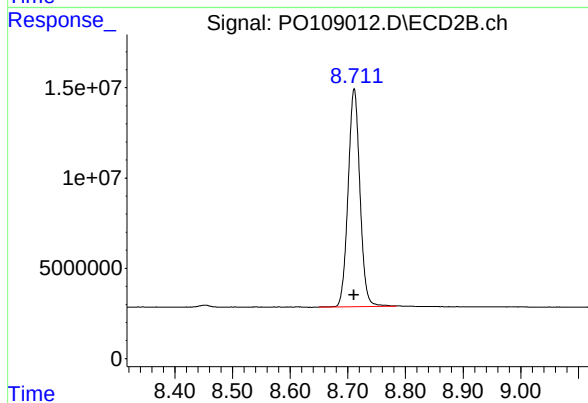
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 281848047
Conc: 54.19 ng/ml



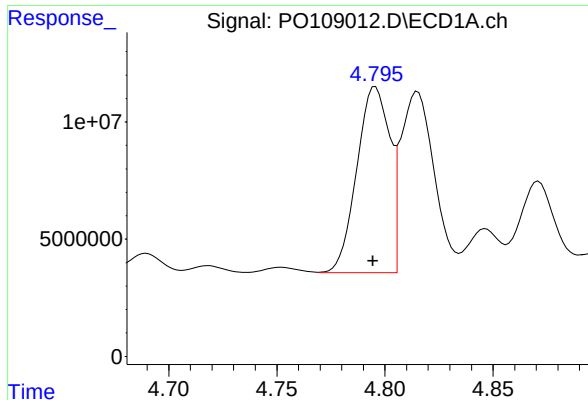
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 349066612
Conc: 52.92 ng/ml



#2 Decachlorobiphenyl

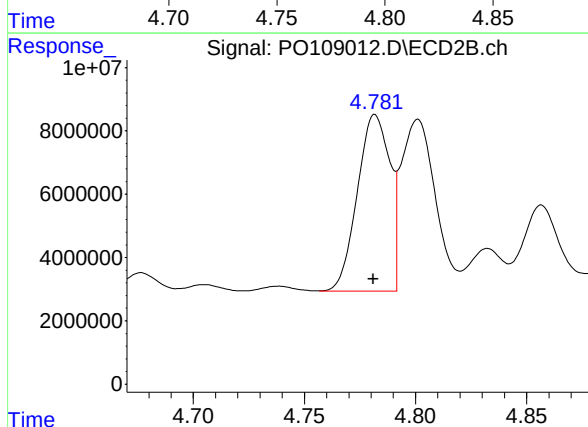
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 172198922
Conc: 52.41 ng/ml



#21 AR-1248-1

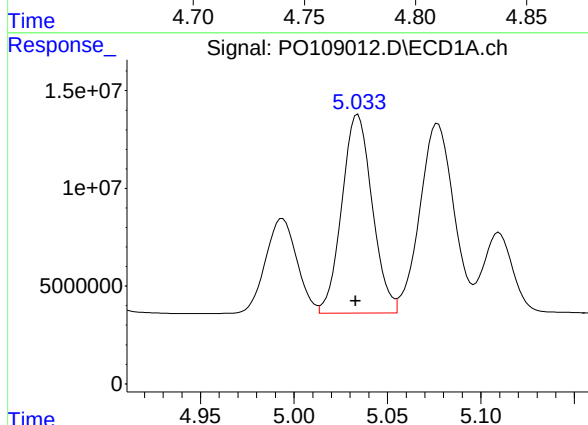
R.T.: 4.796 min
Delta R.T.: 0.001 min
Response: 83705170
Conc: 524.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248



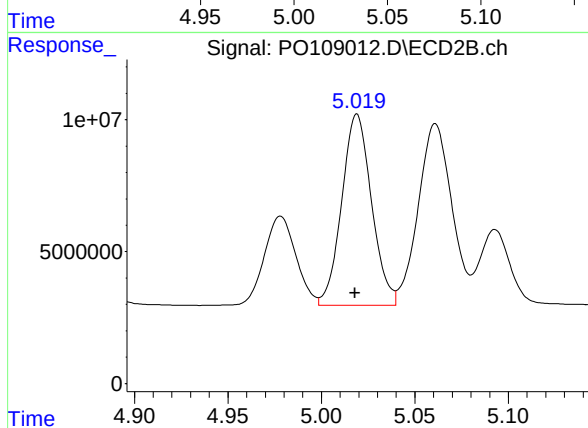
#21 AR-1248-1

R.T.: 4.782 min
Delta R.T.: 0.000 min
Response: 56687632
Conc: 528.21 ng/ml



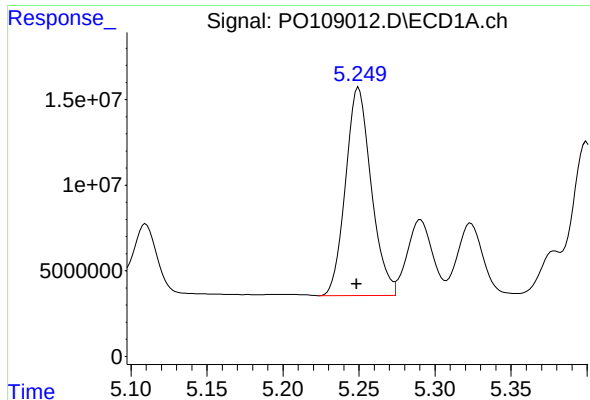
#22 AR-1248-2

R.T.: 5.034 min
Delta R.T.: 0.001 min
Response: 114991573
Conc: 514.53 ng/ml



#22 AR-1248-2

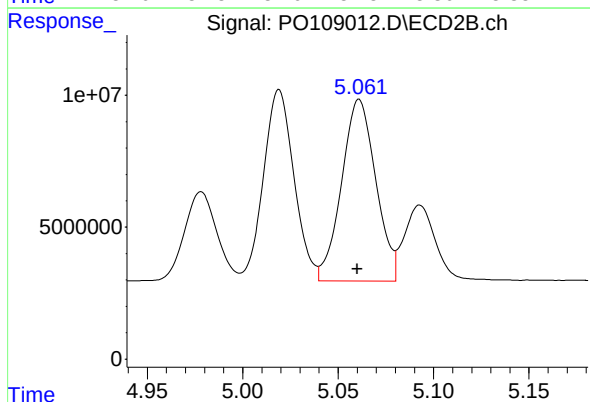
R.T.: 5.019 min
Delta R.T.: 0.001 min
Response: 80555675
Conc: 523.17 ng/ml



#23 AR-1248-3

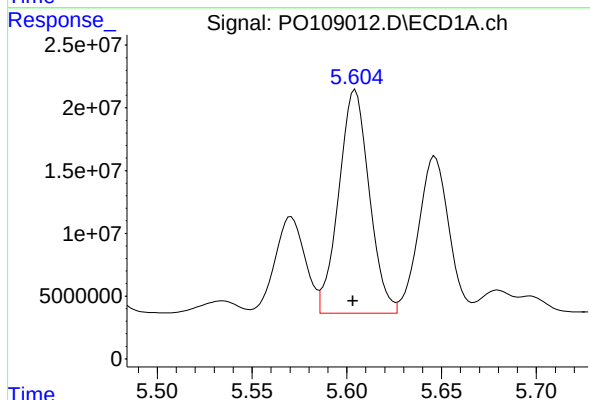
R.T.: 5.250 min
Delta R.T.: 0.001 min
Response: 143074138
Conc: 522.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1248



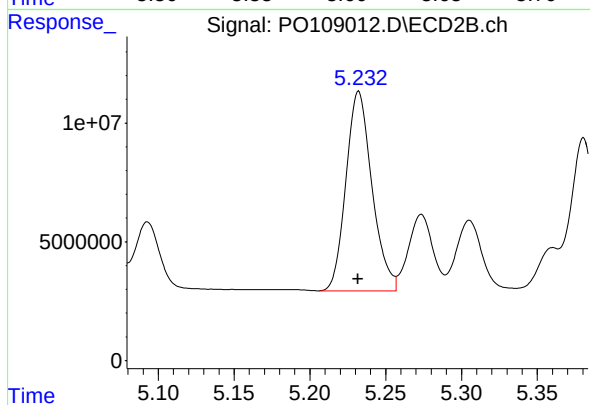
#23 AR-1248-3

R.T.: 5.061 min
Delta R.T.: 0.001 min
Response: 86081510
Conc: 520.53 ng/ml



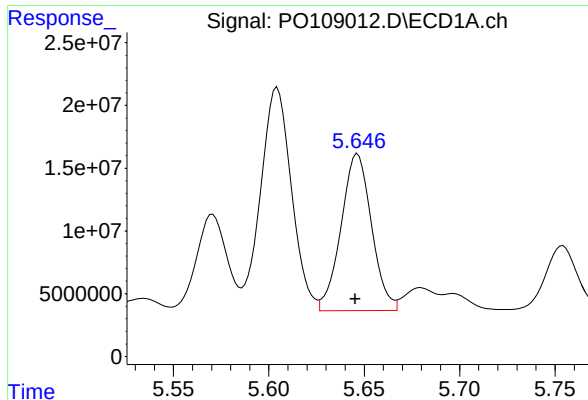
#24 AR-1248-4

R.T.: 5.604 min
Delta R.T.: 0.001 min
Response: 199592513
Conc: 519.03 ng/ml



#24 AR-1248-4

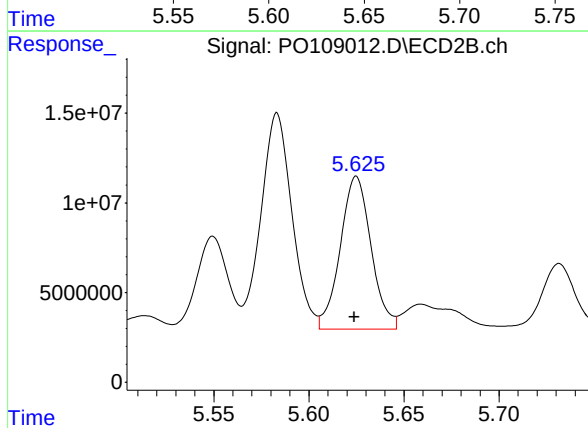
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 100416664
Conc: 524.35 ng/ml



#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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109013.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\P0012125.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

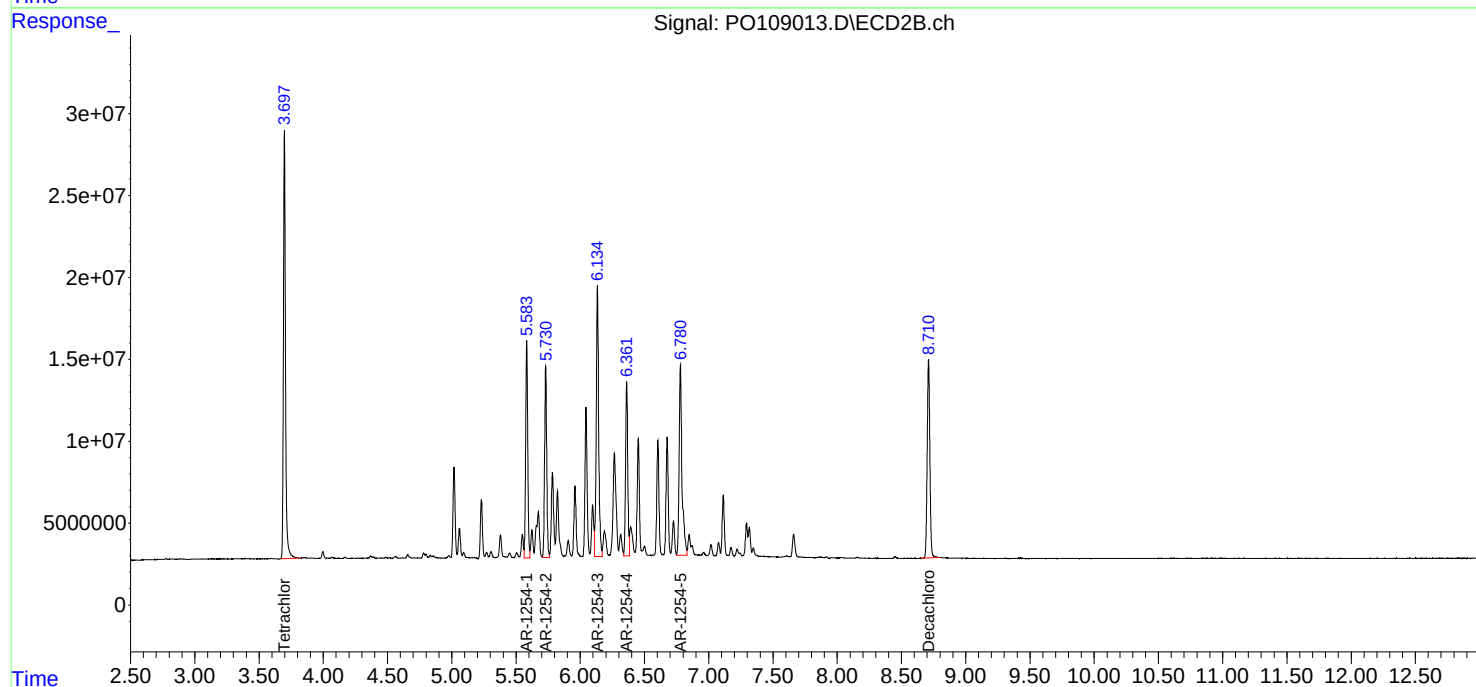
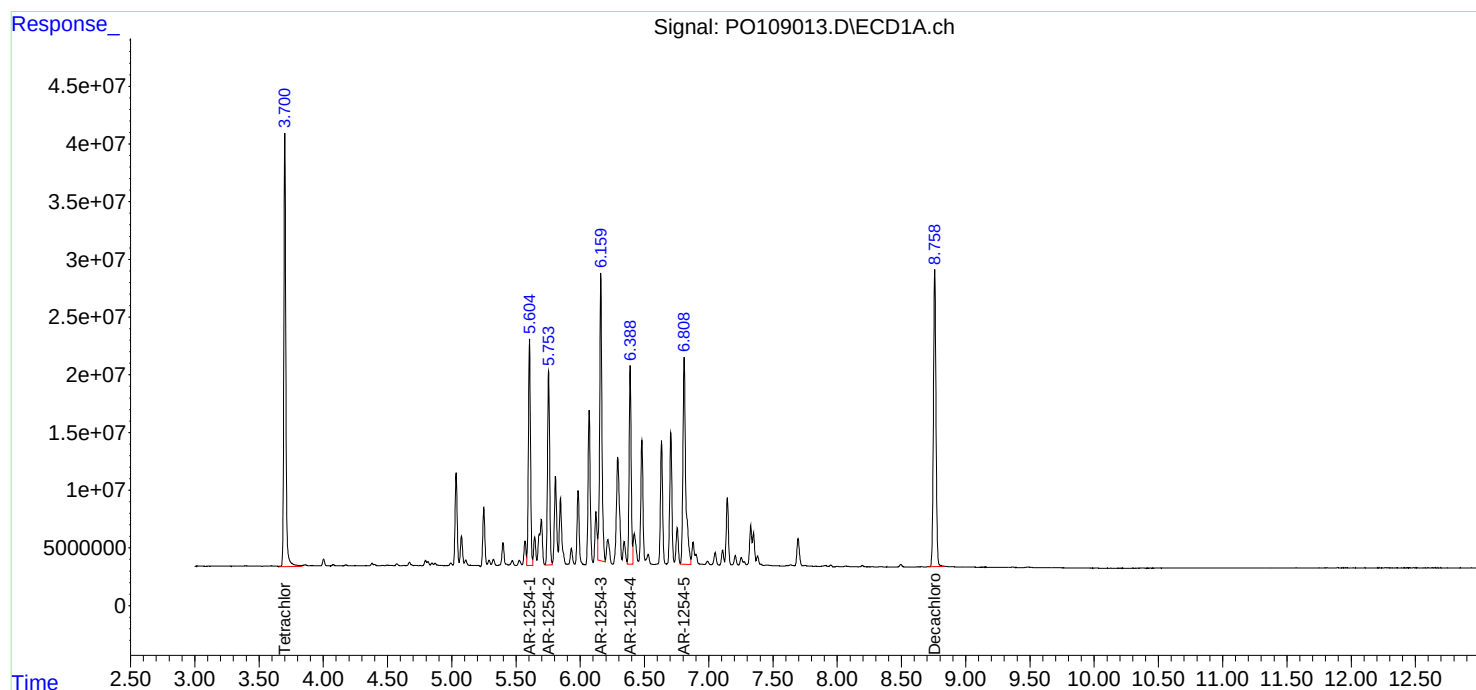
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

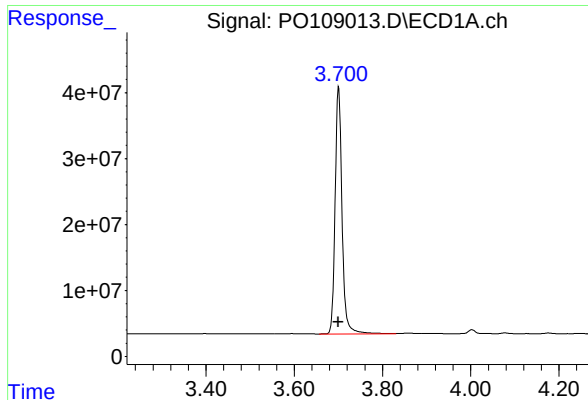
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 03:03
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

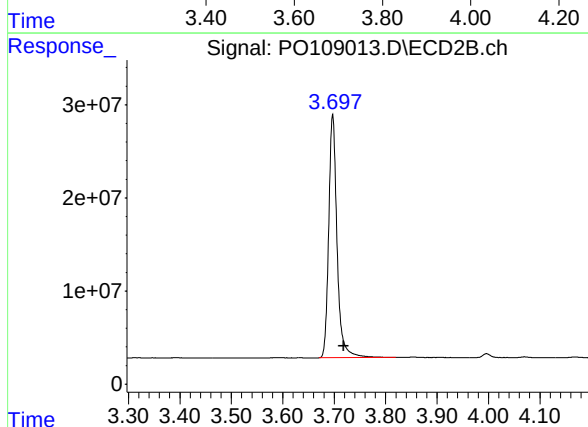




#1 Tetrachloro-m-xylene

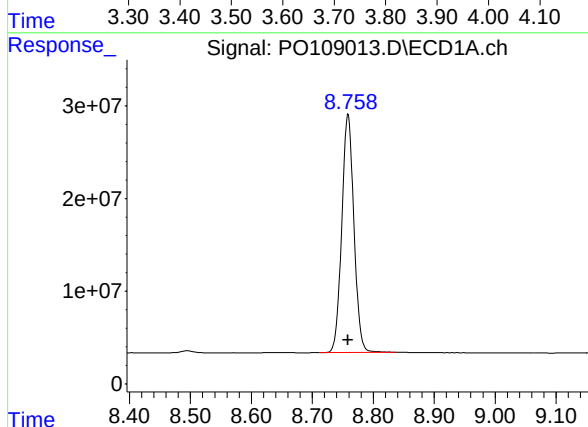
R.T.: 3.701 min
Delta R.T.: 0.000 min
Response: 410530354
Conc: 54.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254



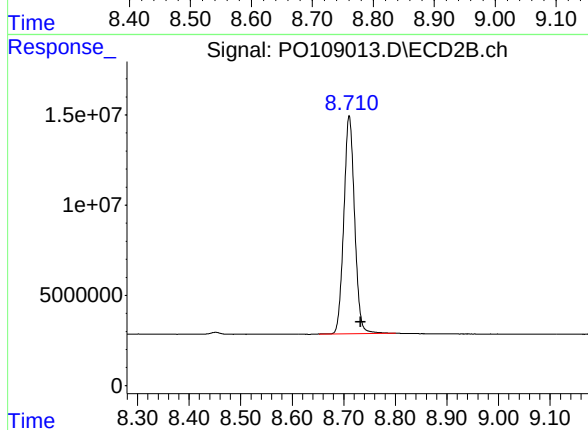
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.021 min
Response: 292110454
Conc: 54.49 ng/ml



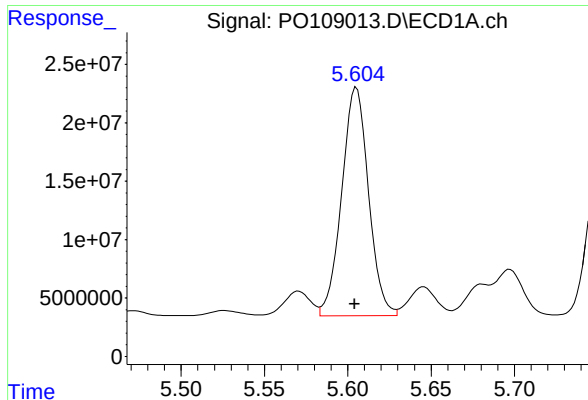
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 355233975
Conc: 51.28 ng/ml



#2 Decachlorobiphenyl

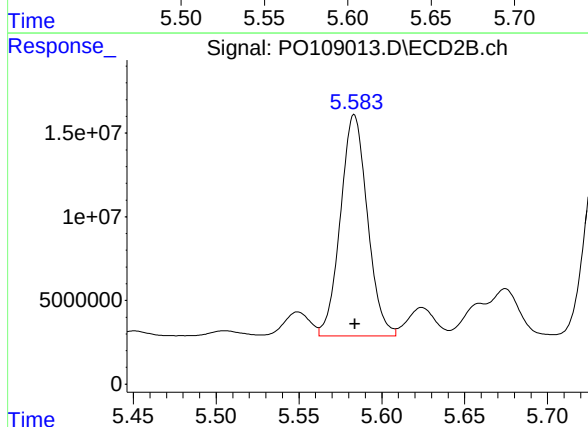
R.T.: 8.711 min
Delta R.T.: -0.023 min
Response: 175593184
Conc: 51.06 ng/ml



#26 AR-1254-1

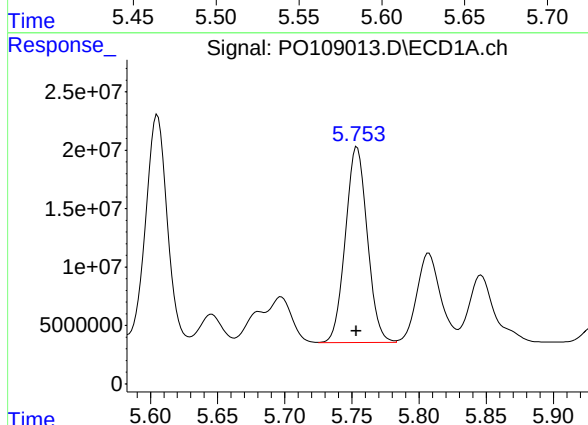
R.T.: 5.605 min
Delta R.T.: 0.001 min
Response: 218460601
Conc: 528.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254



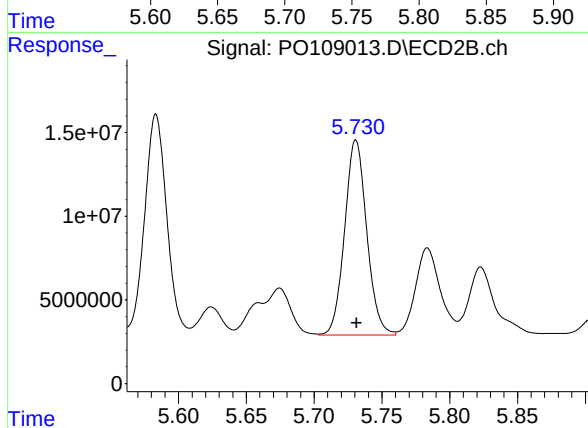
#26 AR-1254-1

R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 150071890
Conc: 533.91 ng/ml



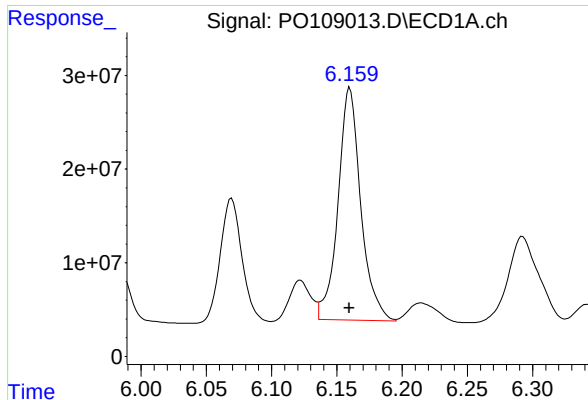
#27 AR-1254-2

R.T.: 5.754 min
Delta R.T.: 0.000 min
Response: 190913347
Conc: 527.64 ng/ml



#27 AR-1254-2

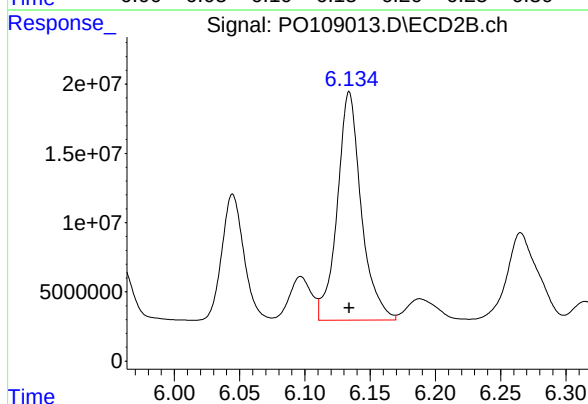
R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 132415451
Conc: 529.11 ng/ml



#28 AR-1254-3

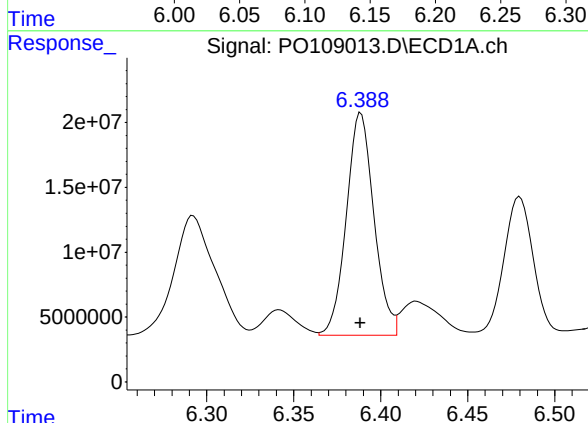
R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 301357810
Conc: 534.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1254



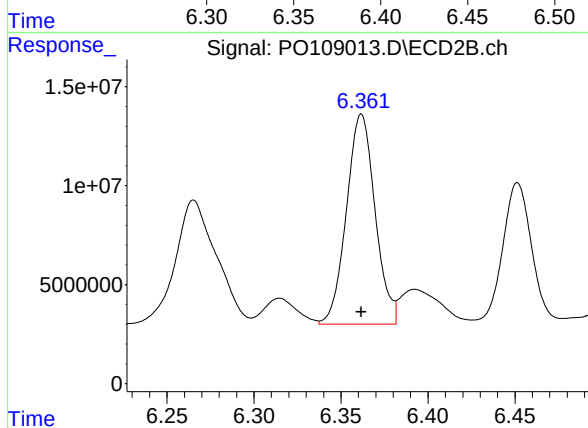
#28 AR-1254-3

R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 210939446
Conc: 536.98 ng/ml



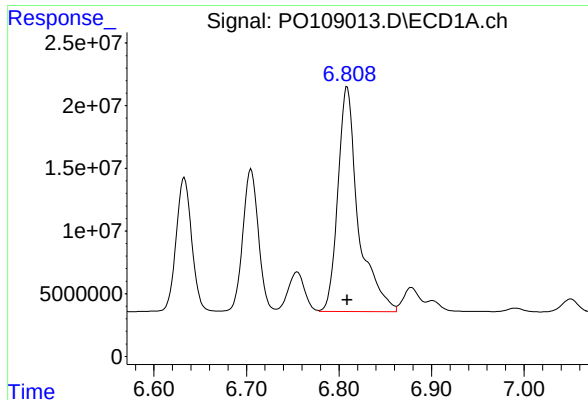
#29 AR-1254-4

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

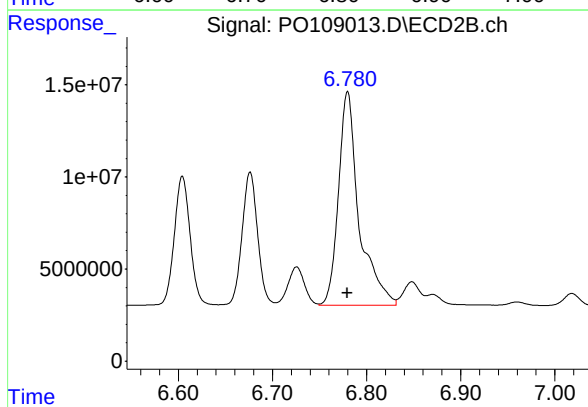
Conc: 536.15 ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0012125\
 Data File : P0109014.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\P0012125.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

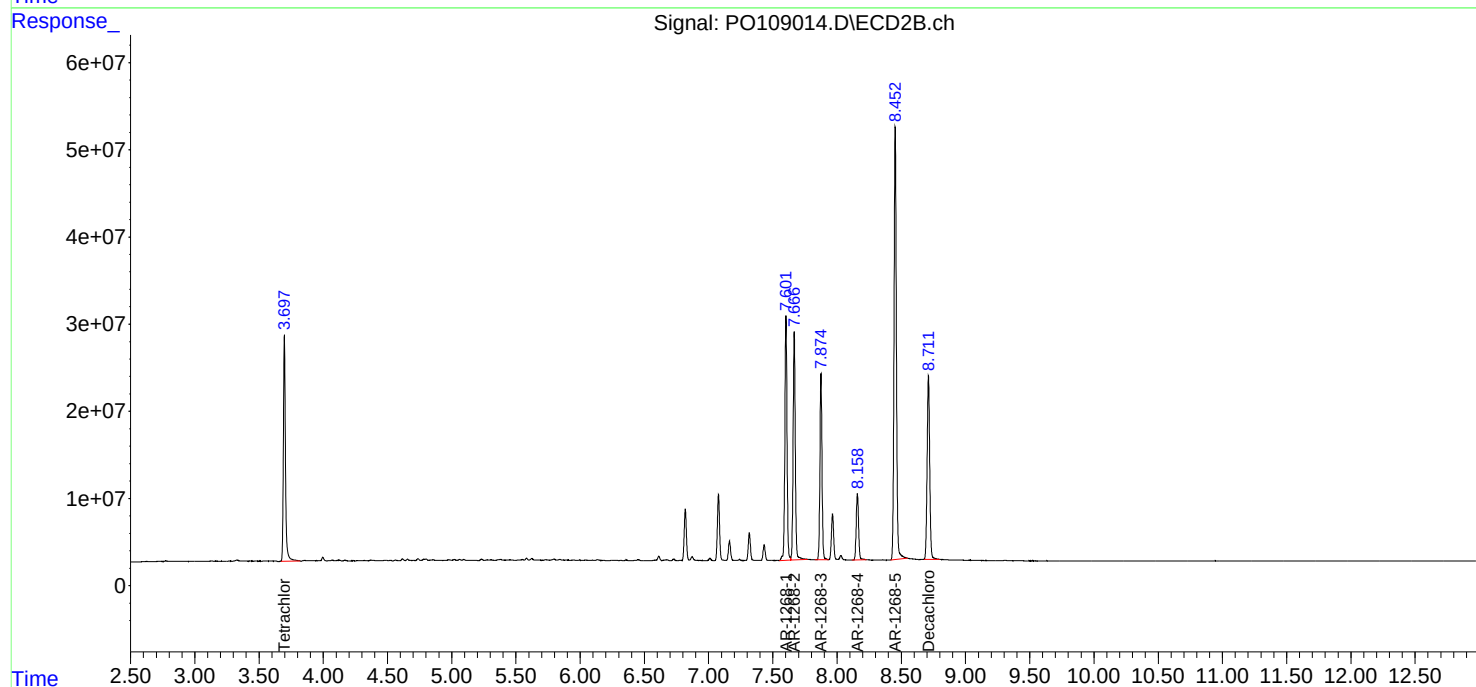
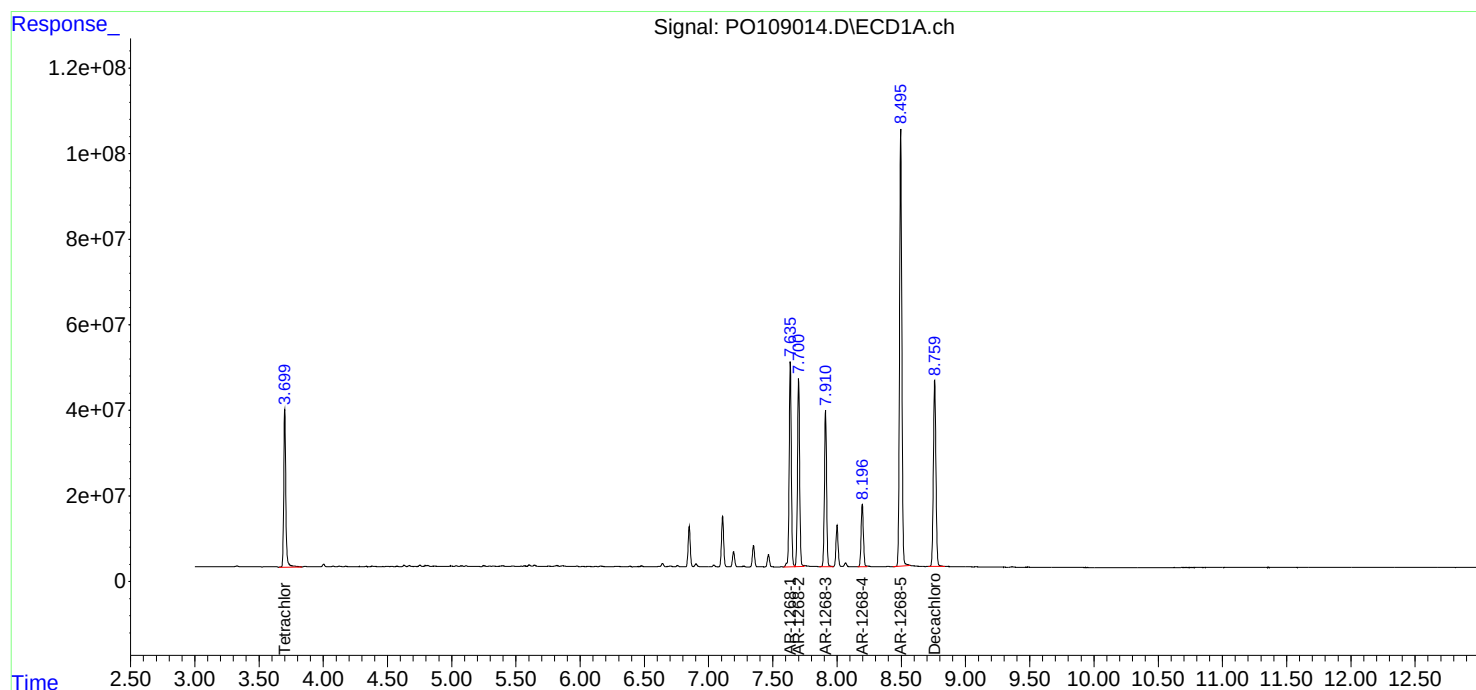
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

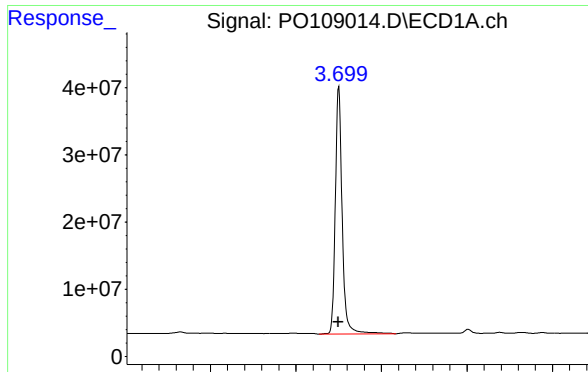
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO109014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jan 2025 03:21
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

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

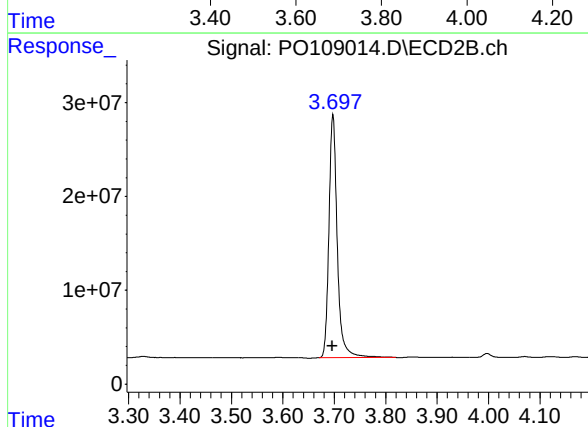




#1 Tetrachloro-m-xylene

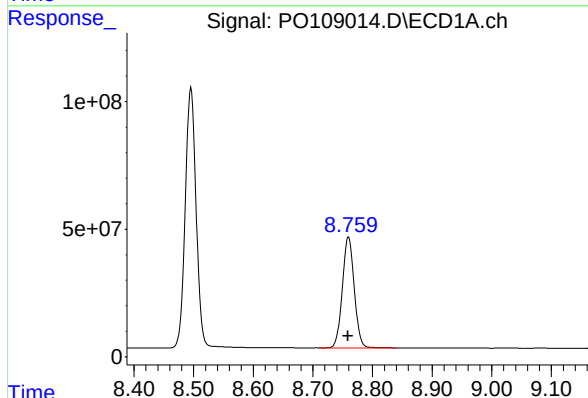
R.T.: 3.700 min
Delta R.T.: 0.001 min
Response: 412139252
Conc: 53.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268



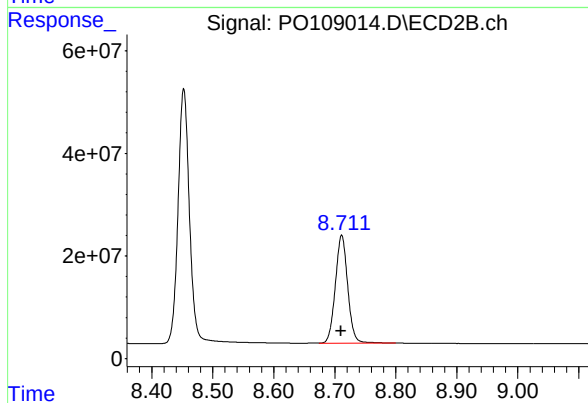
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.001 min
Response: 290335201
Conc: 53.51 ng/ml



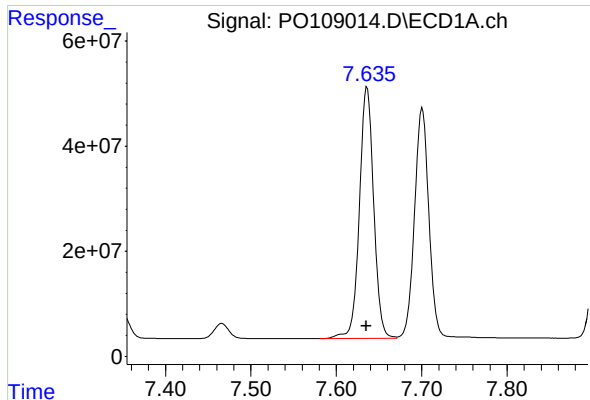
#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.000 min
Response: 599549867
Conc: 52.36 ng/ml



#2 Decachlorobiphenyl

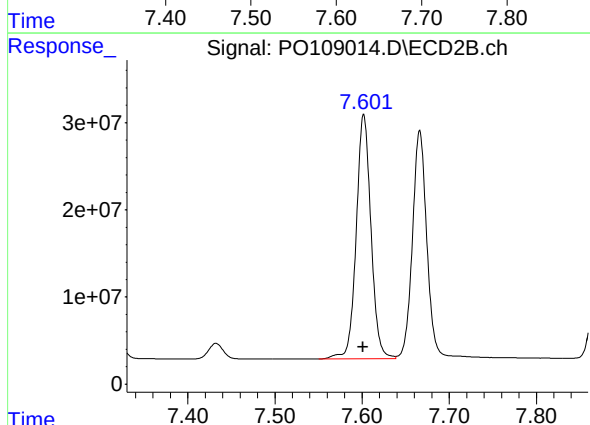
R.T.: 8.711 min
Delta R.T.: 0.001 min
Response: 295522095
Conc: 52.56 ng/ml



#41 AR-1268-1

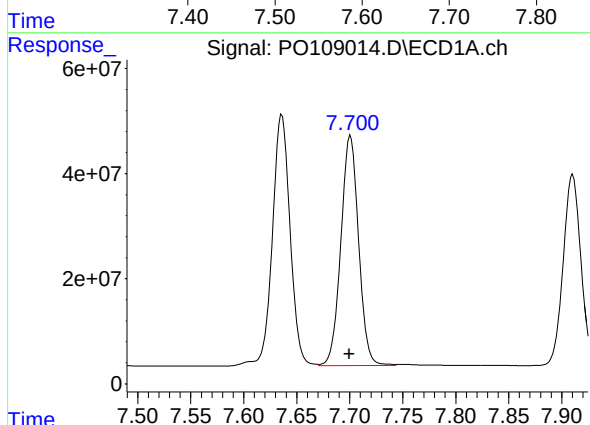
R.T.: 7.636 min
Delta R.T.: 0.000 min
Response: 556115970
Conc: 522.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268



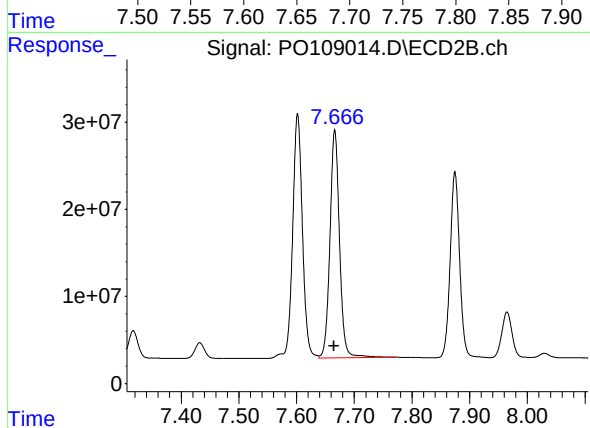
#41 AR-1268-1

R.T.: 7.602 min
Delta R.T.: 0.001 min
Response: 329523072
Conc: 523.47 ng/ml



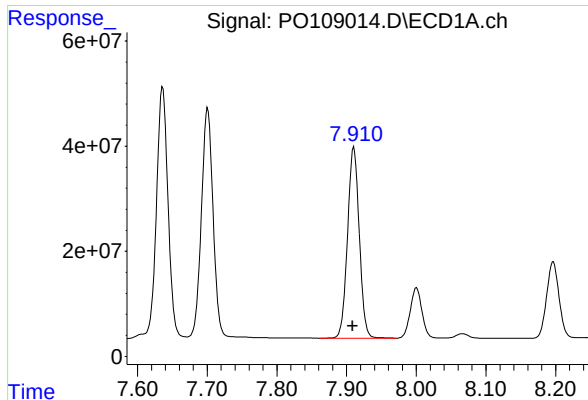
#42 AR-1268-2

R.T.: 7.701 min
Delta R.T.: 0.001 min
Response: 511365818
Conc: 527.66 ng/ml



#42 AR-1268-2

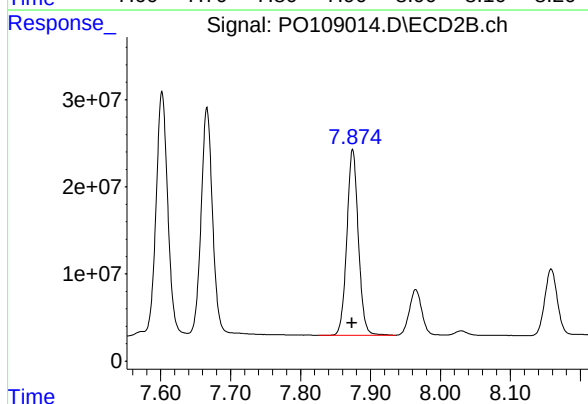
R.T.: 7.666 min
Delta R.T.: 0.000 min
Response: 301911808
Conc: 528.63 ng/ml



#43 AR-1268-3

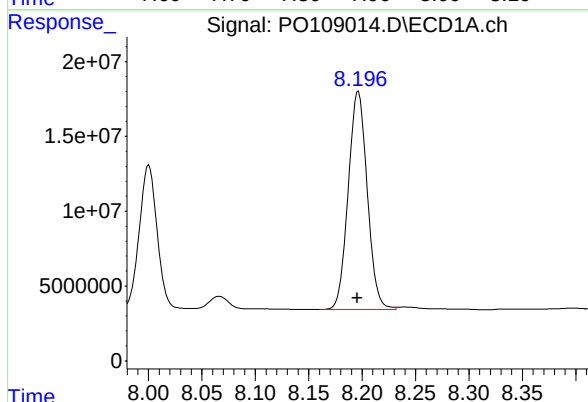
R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 425449759
Conc: 528.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO012125AR1268



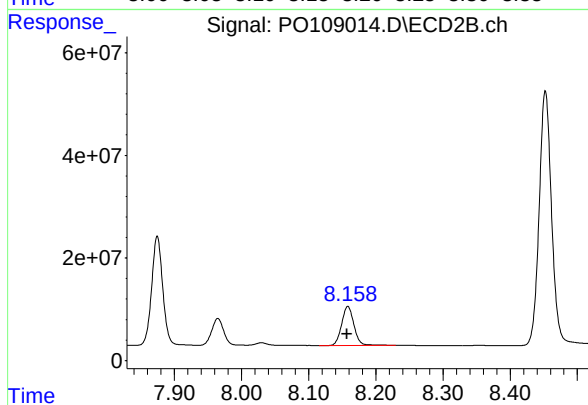
#43 AR-1268-3

R.T.: 7.875 min
Delta R.T.: 0.001 min
Response: 242762093
Conc: 527.09 ng/ml



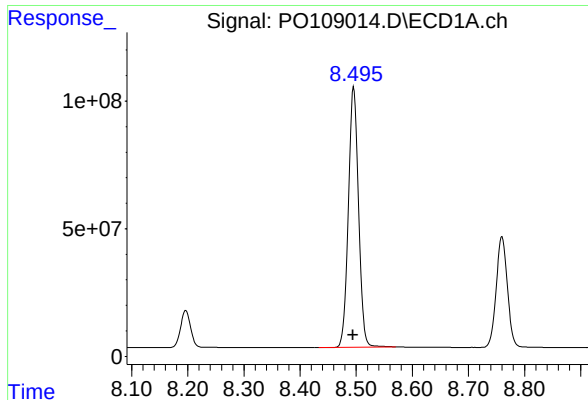
#44 AR-1268-4

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 min

Response: 1283184601

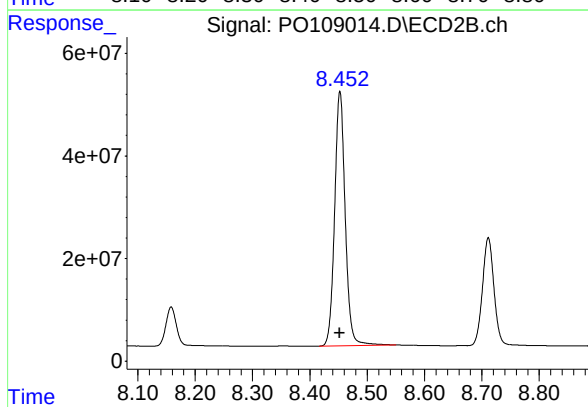
Conc: 536.59 ng/ml

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



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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 11:53 Initial Calibration Time(s): 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-2	(2)	4.82	4.81	4.71	4.91	-0.01
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



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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 11:53 Initial Calibration Time(s): 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
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)	6.27	6.29	6.19	6.39	0.02
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		8.72	8.73	8.63	8.83	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109224.D Time Analyzed: 11:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.795	4.695	4.895	537.920	500.000	7.6
Aroclor-1016-2	4.815	4.714	4.914	537.190	500.000	7.4
Aroclor-1016-3	4.872	4.770	4.970	534.470	500.000	6.9
Aroclor-1016-4	4.993	4.891	5.091	539.610	500.000	7.9
Aroclor-1016-5	5.250	5.149	5.349	532.740	500.000	6.5
Aroclor-1260-1	6.294	6.190	6.390	523.850	500.000	4.8
Aroclor-1260-2	6.482	6.379	6.579	520.770	500.000	4.2
Aroclor-1260-3	6.851	6.747	6.947	524.120	500.000	4.8
Aroclor-1260-4	7.112	7.008	7.208	526.960	500.000	5.4
Aroclor-1260-5	7.353	7.249	7.449	528.070	500.000	5.6
Decachlorobiphenyl	8.764	8.658	8.858	52.620	50.000	5.2
Tetrachloro-m-xylene	3.700	3.600	3.800	53.800	50.000	7.6



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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109224.D Time Analyzed: 11:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.782	4.703	4.903	562.120	500.000	12.4
Aroclor-1016-2	4.801	4.722	4.922	506.190	500.000	1.2
Aroclor-1016-3	4.976	4.898	5.098	526.530	500.000	5.3
Aroclor-1016-4	5.019	4.940	5.140	524.730	500.000	4.9
Aroclor-1016-5	5.232	5.153	5.353	522.620	500.000	4.5
Aroclor-1260-1	6.267	6.186	6.386	515.120	500.000	3.0
Aroclor-1260-2	6.454	6.373	6.573	508.150	500.000	1.6
Aroclor-1260-3	6.608	6.527	6.727	511.800	500.000	2.4
Aroclor-1260-4	7.080	6.999	7.199	511.760	500.000	2.4
Aroclor-1260-5	7.320	7.239	7.439	509.550	500.000	1.9
Decachlorobiphenyl	8.715	8.633	8.833	49.550	50.000	-0.9
Tetrachloro-m-xylene	3.697	3.618	3.818	54.550	50.000	9.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
 Data File : PO109224.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 11:53
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 29 14:28:07 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...	3.700	3.697	406.5E6	292.4E6	53.797	54.548
2) SA Decachlor...	8.764	8.715	364.6E6	170.4E6	52.622	49.554
Target Compounds						
3) L1 AR-1016-1	4.795	4.782	135.7E6	91017351	537.917	562.120m
4) L1 AR-1016-2	4.815	4.801	185.3E6	120.6E6	537.190	506.189m
5) L1 AR-1016-3	4.872	4.976	130.5E6	68647827	534.467	526.530m
6) L1 AR-1016-4	4.993	5.019	103.0E6	57992941	539.611	524.735
7) L1 AR-1016-5	5.250	5.232	111.2E6	75018507	532.742	522.621m
31) L7 AR-1260-1	6.294	6.267	199.7E6	129.8E6	523.851	515.124
32) L7 AR-1260-2	6.482	6.454	244.5E6	152.9E6	520.771	508.153
33) L7 AR-1260-3	6.851	6.608	205.2E6	142.5E6	524.118	511.804
34) L7 AR-1260-4	7.112	7.080	188.6E6	115.5E6	526.957	511.763m
35) L7 AR-1260-5	7.353	7.320	440.7E6	255.1E6	528.073	509.549

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 11:53
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AR1660CCC500

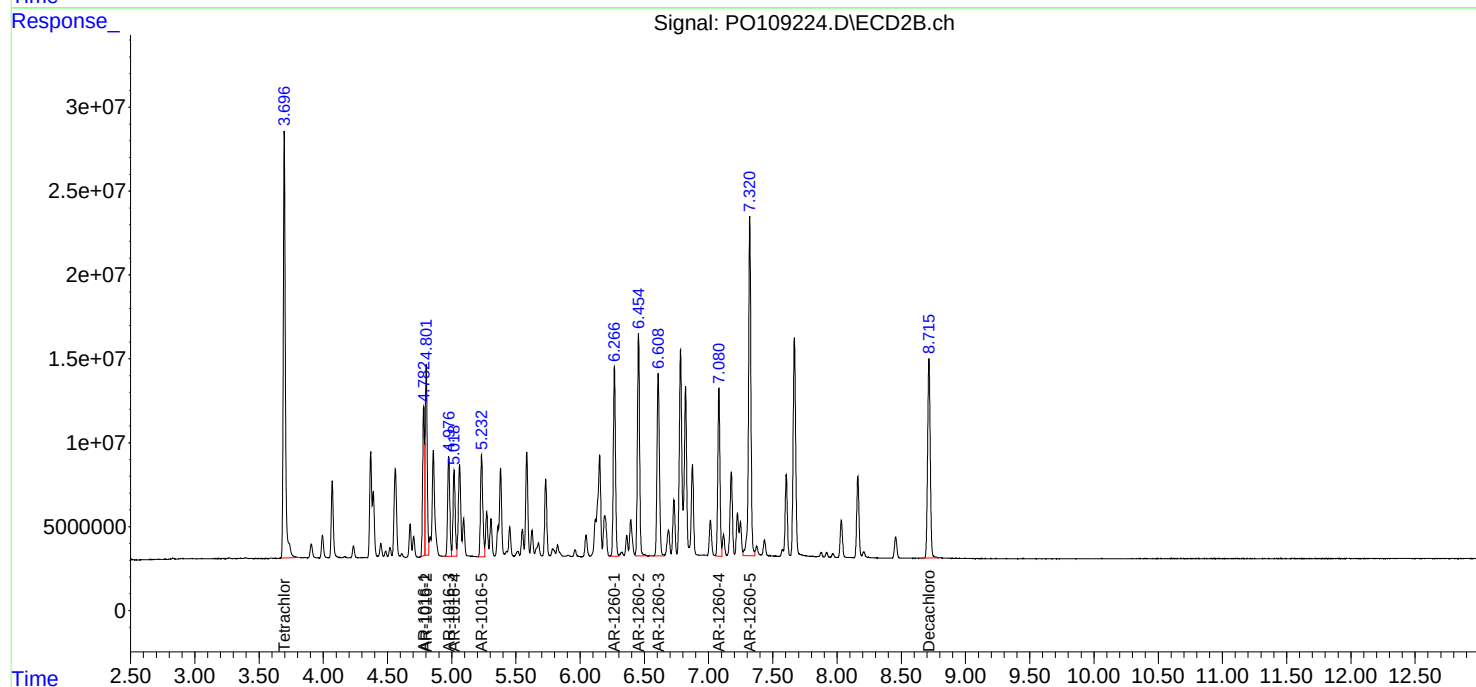
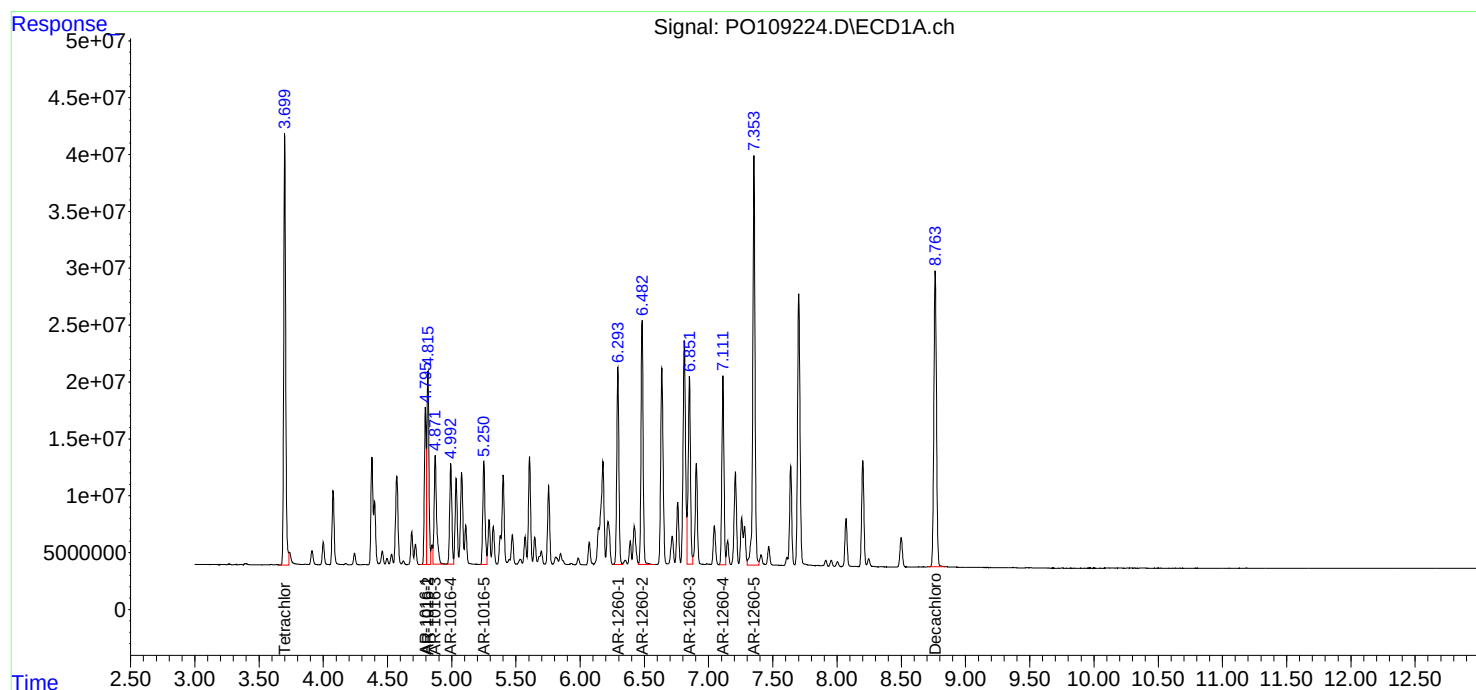
Manual Integrations

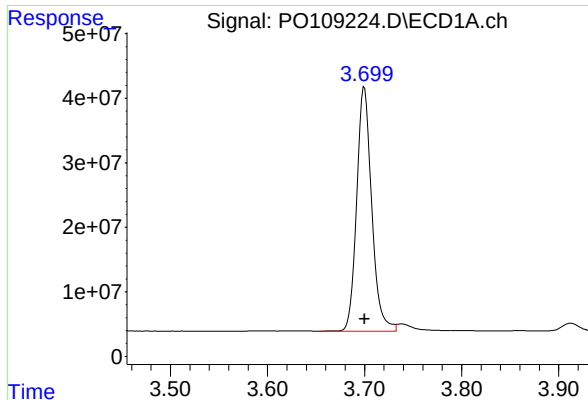
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:28:07 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





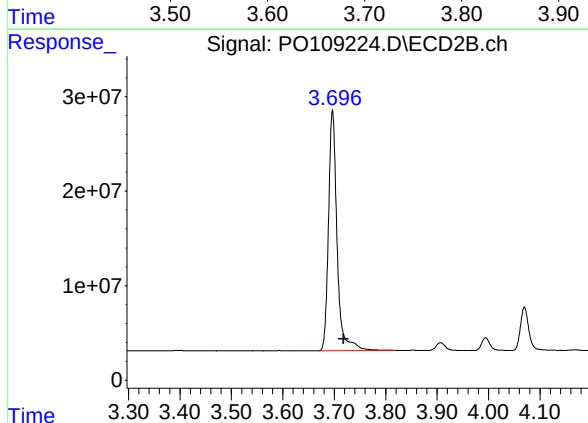
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 406515976
Conc: 53.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

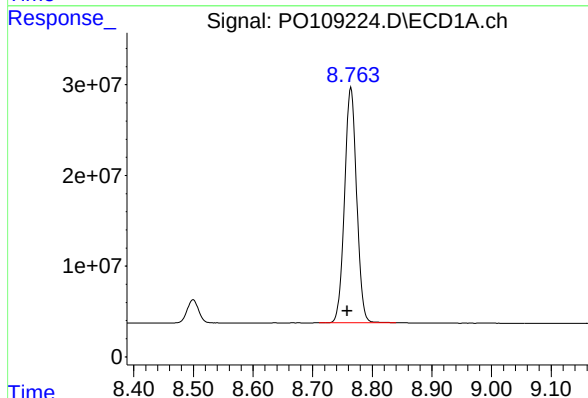
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



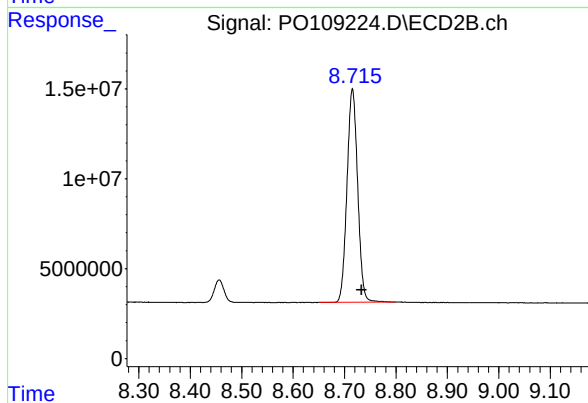
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.022 min
Response: 292395527
Conc: 54.55 ng/ml



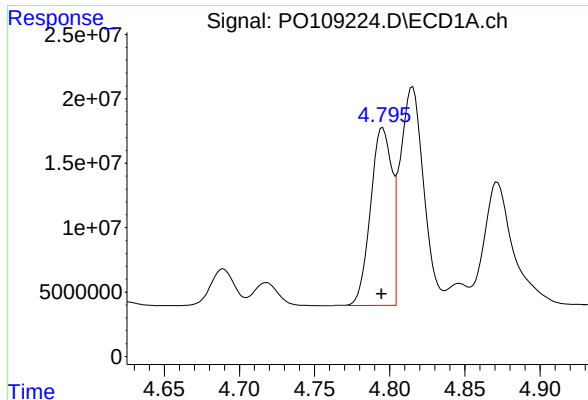
#2 Decachlorobiphenyl

R.T.: 8.764 min
Delta R.T.: 0.006 min
Response: 364551712
Conc: 52.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.018 min
Response: 170402314
Conc: 49.55 ng/ml



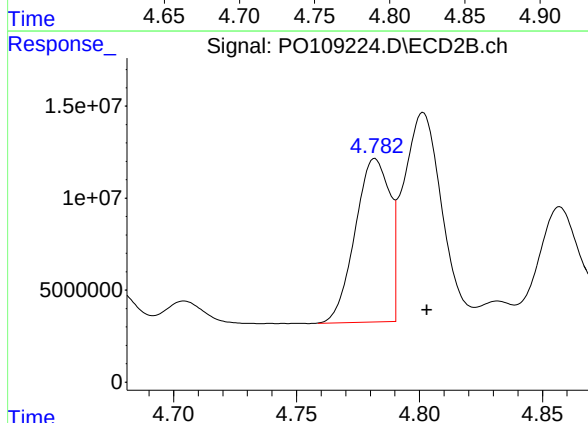
#3 AR-1016-1

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 135709272
Conc: 537.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

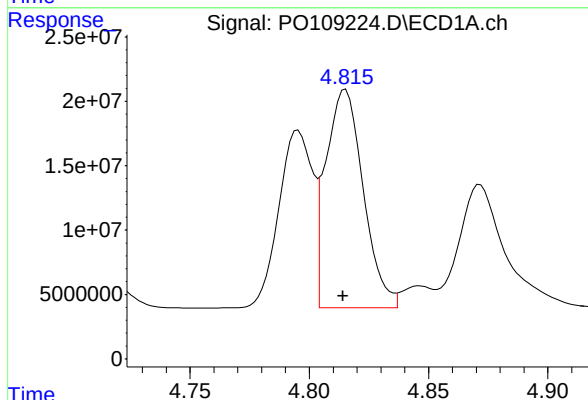
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



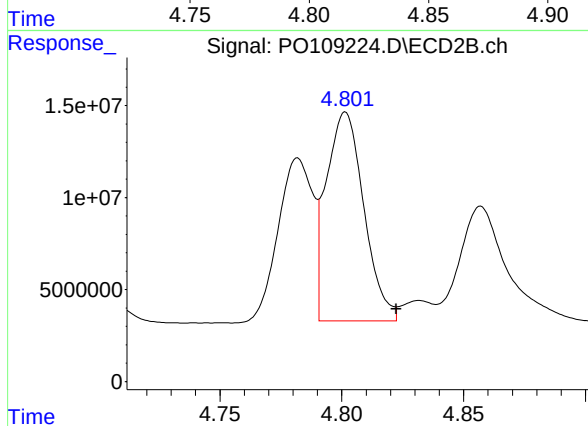
#3 AR-1016-1

R.T.: 4.782 min
Delta R.T.: -0.021 min
Response: 91017351
Conc: 562.12 ng/ml m



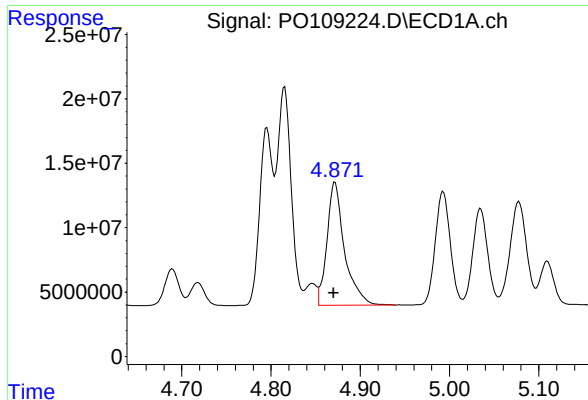
#4 AR-1016-2

R.T.: 4.815 min
Delta R.T.: 0.001 min
Response: 185268670
Conc: 537.19 ng/ml



#4 AR-1016-2

R.T.: 4.801 min
Delta R.T.: -0.021 min
Response: 120592556
Conc: 506.19 ng/ml m



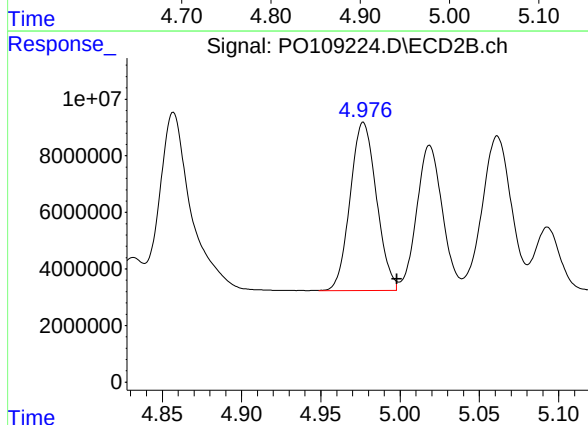
#5 AR-1016-3

R.T.: 4.872 min
Delta R.T.: 0.002 min
Response: 130472292
Conc: 534.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

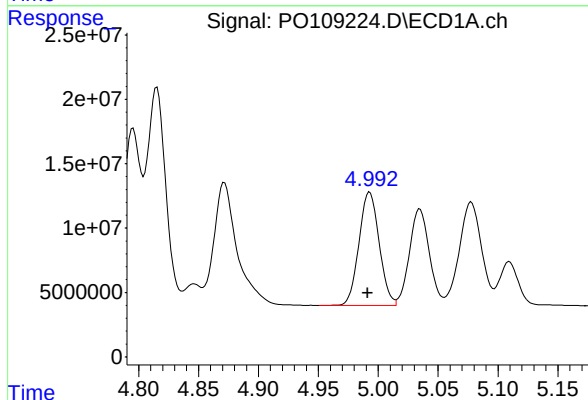
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



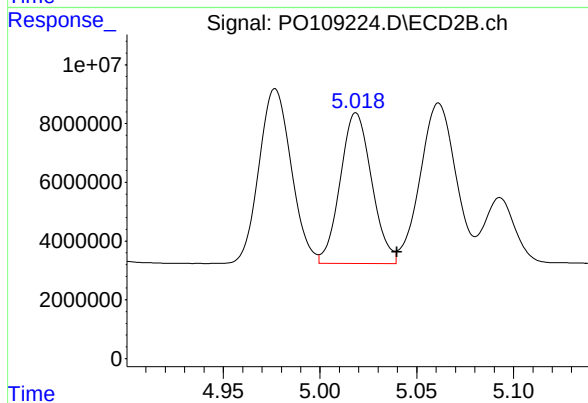
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 68647827
Conc: 526.53 ng/ml



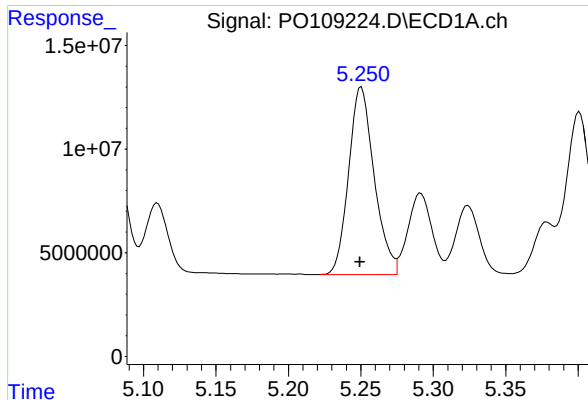
#6 AR-1016-4

R.T.: 4.993 min
Delta R.T.: 0.002 min
Response: 102973532
Conc: 539.61 ng/ml



#6 AR-1016-4

R.T.: 5.019 min
Delta R.T.: -0.021 min
Response: 57992941
Conc: 524.73 ng/ml



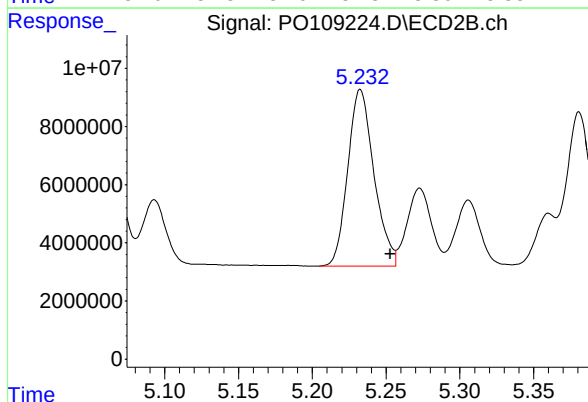
#7 AR-1016-5

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 111216106
Conc: 532.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

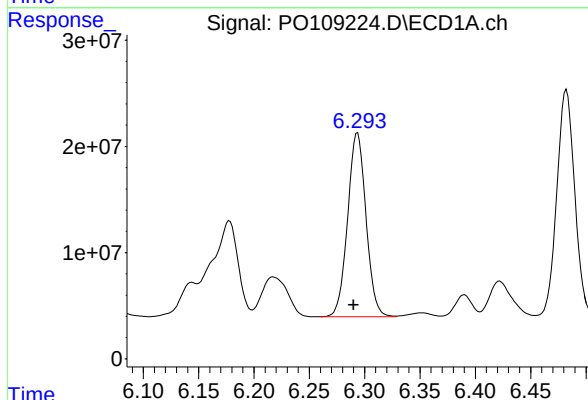
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



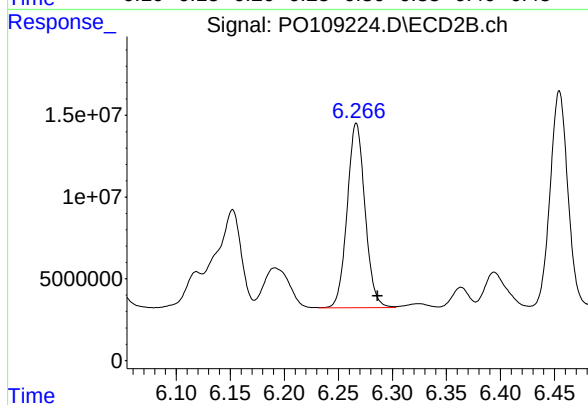
#7 AR-1016-5

R.T.: 5.232 min
Delta R.T.: -0.021 min
Response: 75018507
Conc: 522.62 ng/ml



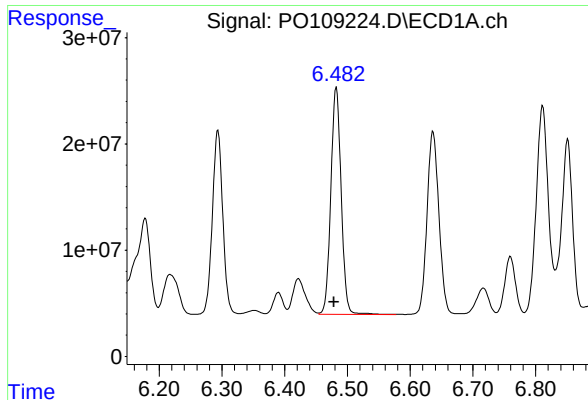
#31 AR-1260-1

R.T.: 6.294 min
Delta R.T.: 0.003 min
Response: 199668701
Conc: 523.85 ng/ml



#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: -0.020 min
Response: 129836441
Conc: 515.12 ng/ml



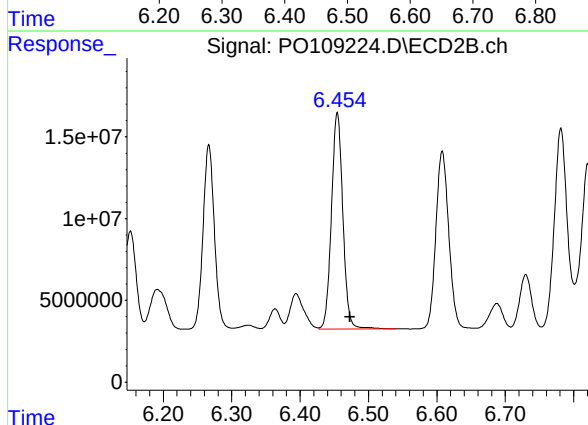
#32 AR-1260-2

R.T.: 6.482 min
Delta R.T.: 0.004 min
Response: 244543870
Conc: 520.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

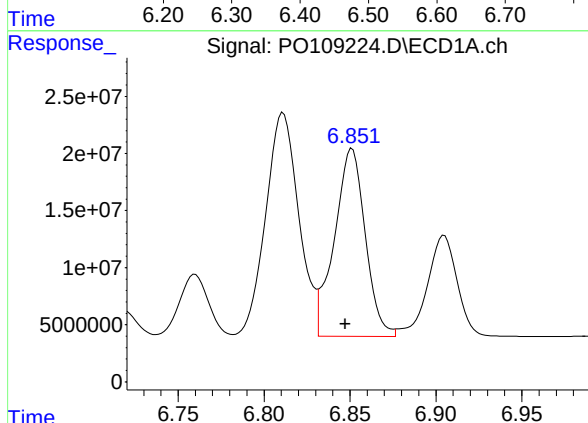
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



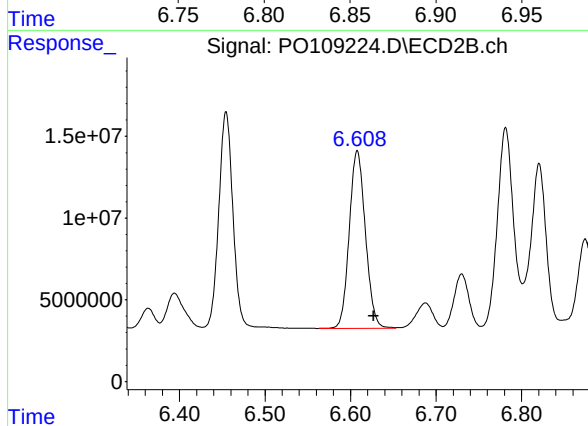
#32 AR-1260-2

R.T.: 6.454 min
Delta R.T.: -0.019 min
Response: 152854572
Conc: 508.15 ng/ml



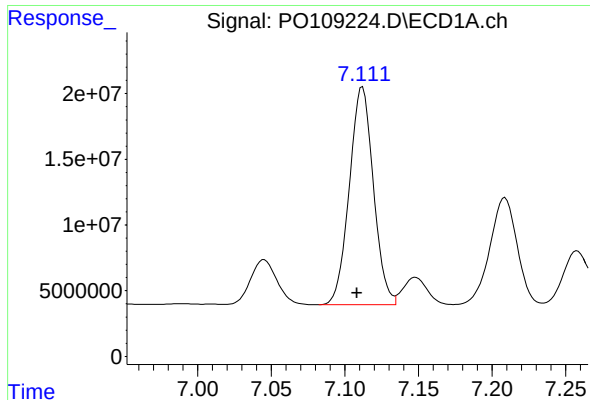
#33 AR-1260-3

R.T.: 6.851 min
Delta R.T.: 0.004 min
Response: 205224626
Conc: 524.12 ng/ml



#33 AR-1260-3

R.T.: 6.608 min
Delta R.T.: -0.019 min
Response: 142478991
Conc: 511.80 ng/ml



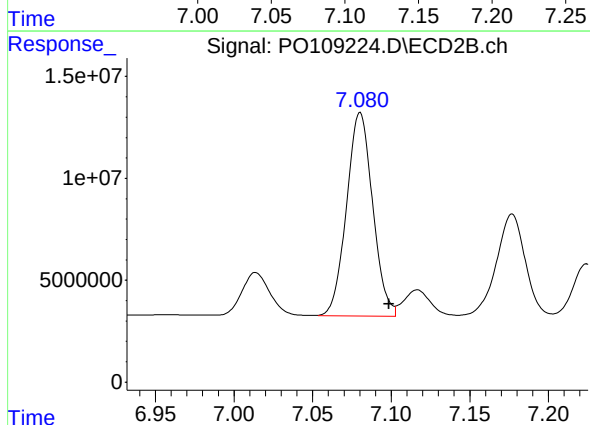
#34 AR-1260-4

R.T.: 7.112 min
Delta R.T.: 0.004 min
Response: 188628087
Conc: 526.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

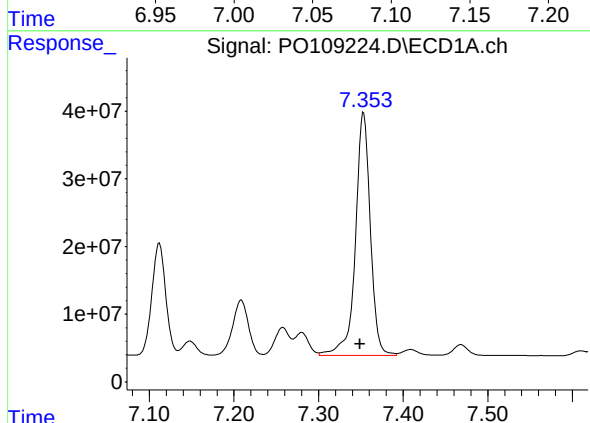
Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



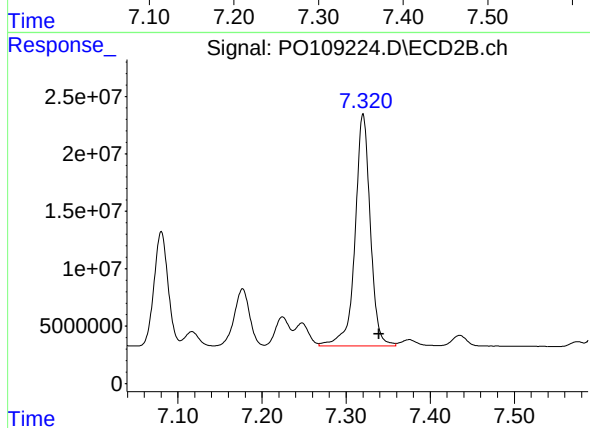
#34 AR-1260-4

R.T.: 7.080 min
Delta R.T.: -0.019 min
Response: 115479902
Conc: 511.76 ng/ml



#35 AR-1260-5

R.T.: 7.353 min
Delta R.T.: 0.004 min
Response: 440727888
Conc: 528.07 ng/ml



#35 AR-1260-5

R.T.: 7.320 min
Delta R.T.: -0.019 min
Response: 255121189
Conc: 509.55 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-2	(2)	4.82	4.81	4.71	4.91	-0.01
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



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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
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)	6.27	6.29	6.19	6.39	0.02
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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109239.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.795	4.695	4.895	548.700	500.000	9.7
Aroclor-1016-2	4.815	4.714	4.914	549.830	500.000	10.0
Aroclor-1016-3	4.871	4.770	4.970	544.000	500.000	8.8
Aroclor-1016-4	4.992	4.891	5.091	546.500	500.000	9.3
Aroclor-1016-5	5.250	5.149	5.349	549.970	500.000	10.0
Aroclor-1260-1	6.292	6.190	6.390	541.430	500.000	8.3
Aroclor-1260-2	6.481	6.379	6.579	533.430	500.000	6.7
Aroclor-1260-3	6.850	6.747	6.947	540.540	500.000	8.1
Aroclor-1260-4	7.110	7.008	7.208	539.260	500.000	7.9
Aroclor-1260-5	7.352	7.249	7.449	539.520	500.000	7.9
Decachlorobiphenyl	8.763	8.658	8.858	53.320	50.000	6.6
Tetrachloro-m-xylene	3.700	3.600	3.800	54.500	50.000	9.0



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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109239.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.781	4.703	4.903	523.890	500.000	4.8
Aroclor-1016-2	4.801	4.722	4.922	545.010	500.000	9.0
Aroclor-1016-3	4.976	4.898	5.098	534.620	500.000	6.9
Aroclor-1016-4	5.018	4.940	5.140	524.610	500.000	4.9
Aroclor-1016-5	5.231	5.153	5.353	535.200	500.000	7.0
Aroclor-1260-1	6.266	6.186	6.386	525.330	500.000	5.1
Aroclor-1260-2	6.453	6.373	6.573	521.480	500.000	4.3
Aroclor-1260-3	6.607	6.527	6.727	522.180	500.000	4.4
Aroclor-1260-4	7.079	6.999	7.199	522.690	500.000	4.5
Aroclor-1260-5	7.319	7.239	7.439	522.200	500.000	4.4
Decachlorobiphenyl	8.714	8.633	8.833	49.630	50.000	-0.7
Tetrachloro-m-xylene	3.697	3.618	3.818	54.990	50.000	10.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
 Data File : PO109239.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 16:49
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 30 04:01:36 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...	3.700	3.697	411.8E6	294.8E6	54.496	54.991
2) SA Decachlor...	8.763	8.714	369.4E6	170.7E6	53.324	49.627
Target Compounds						
3) L1 AR-1016-1	4.795	4.781	138.4E6	84827743	548.704	523.893m
4) L1 AR-1016-2	4.815	4.801	189.6E6	129.8E6	549.832	545.006m
5) L1 AR-1016-3	4.871	4.976	132.8E6	69702273	543.998	534.618m
6) L1 AR-1016-4	4.992	5.018	104.3E6	57979486	546.504	524.613m
7) L1 AR-1016-5	5.250	5.231	114.8E6	76823812	549.973	535.197m
31) L7 AR-1260-1	6.292	6.266	206.4E6	132.4E6	541.430	525.325
32) L7 AR-1260-2	6.481	6.453	250.5E6	156.9E6	533.435	521.483
33) L7 AR-1260-3	6.850	6.607	211.7E6	145.4E6	540.543	522.184
34) L7 AR-1260-4	7.110	7.079	193.0E6	117.9E6	539.256	522.694m
35) L7 AR-1260-5	7.352	7.319	450.3E6	261.5E6	539.521	522.204

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 16:49
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

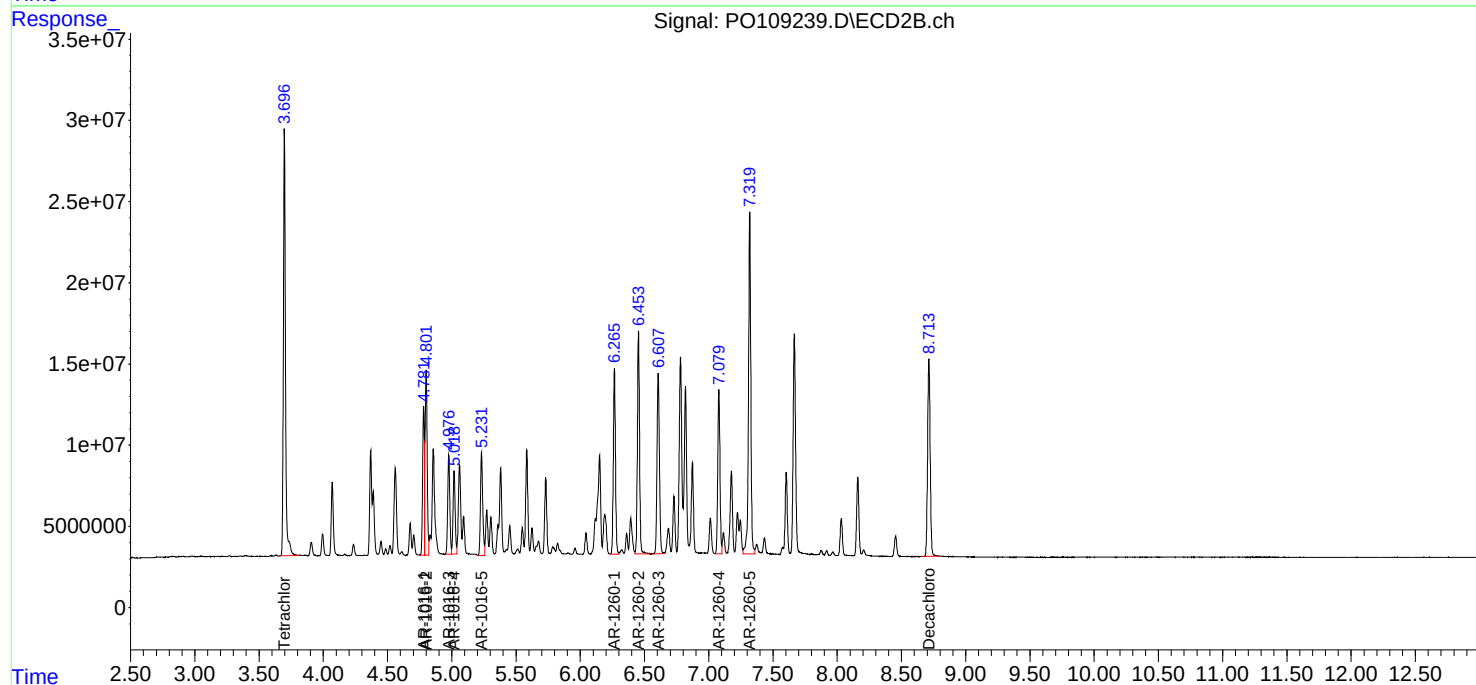
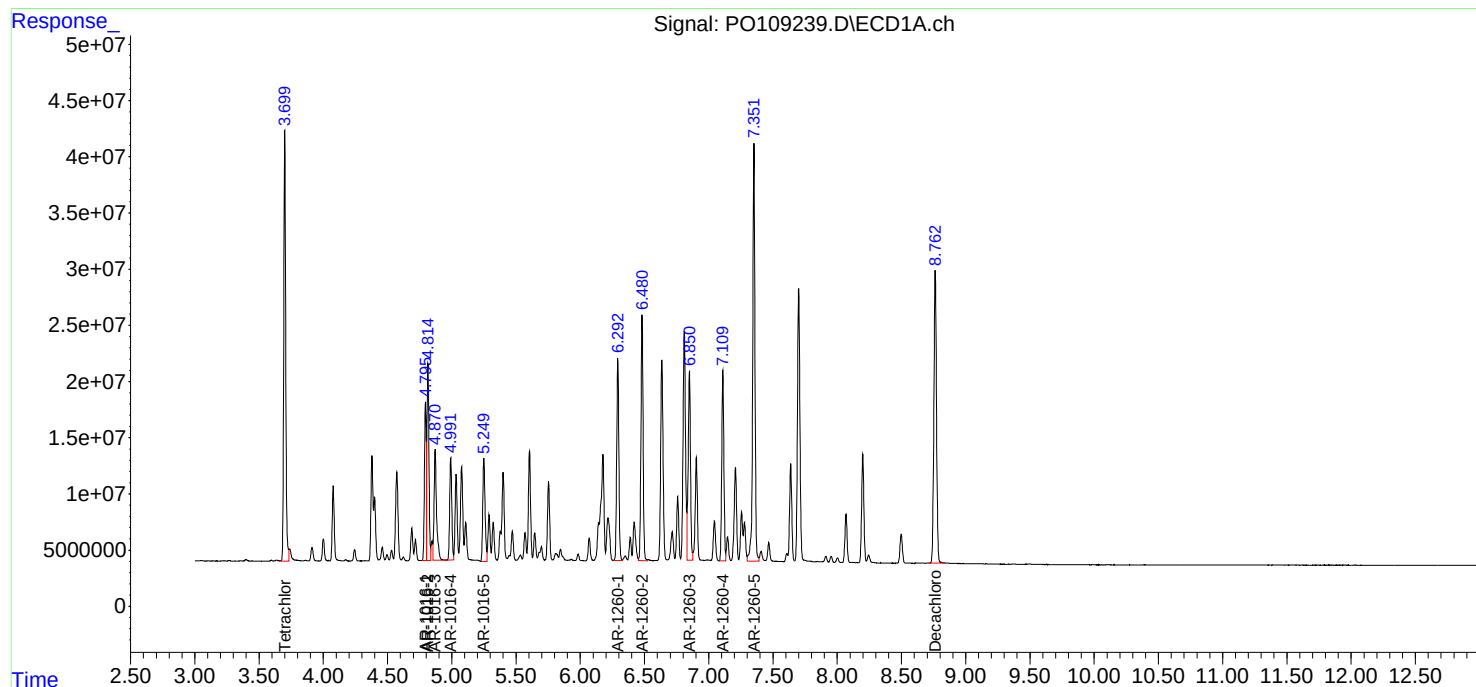
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

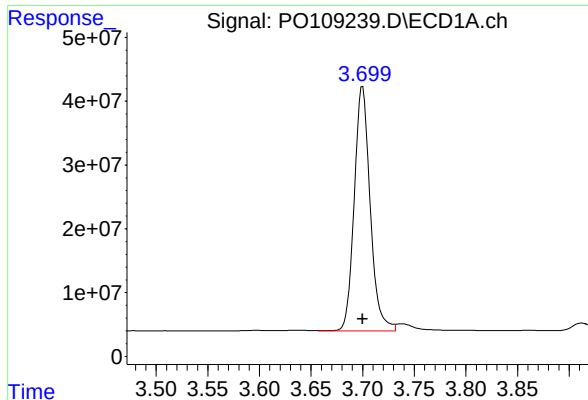
Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:01:36 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





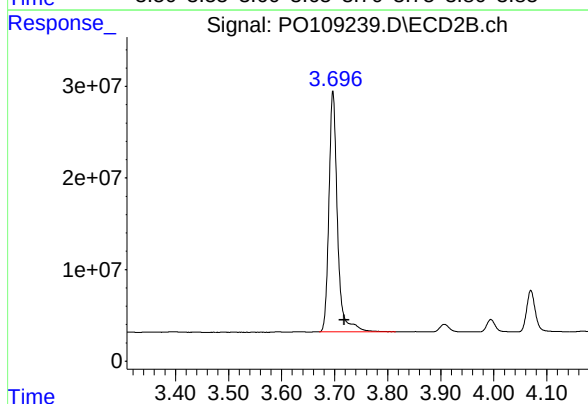
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
 Delta R.T.: 0.000 min
 Response: 411796131
 Conc: 54.50 ng/ml

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

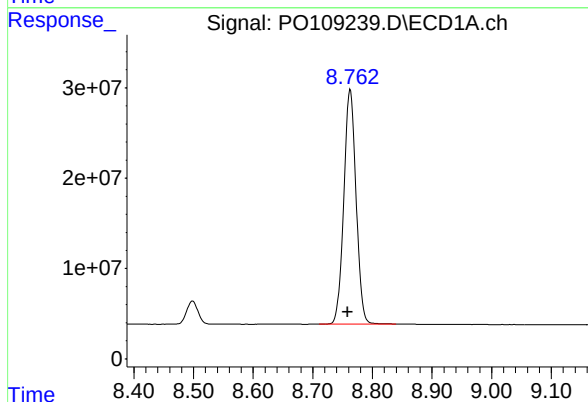
Manual Integrations
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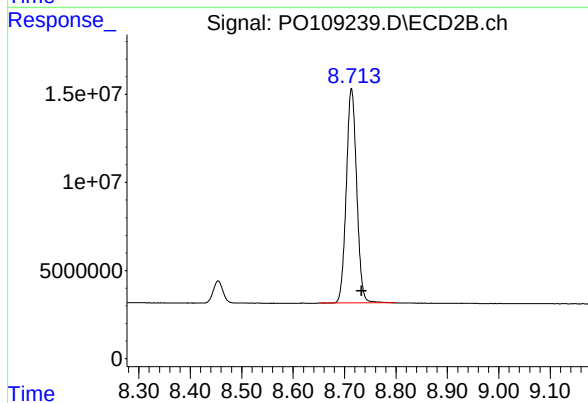
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
 Delta R.T.: -0.022 min
 Response: 294769224
 Conc: 54.99 ng/ml



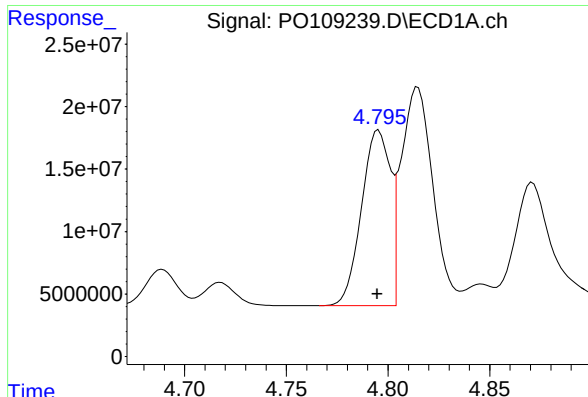
#2 Decachlorobiphenyl

R.T.: 8.763 min
 Delta R.T.: 0.005 min
 Response: 369416221
 Conc: 53.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.714 min
 Delta R.T.: -0.019 min
 Response: 170654567
 Conc: 49.63 ng/ml



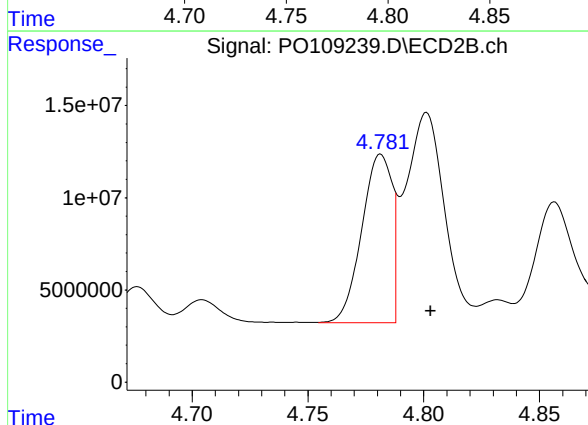
#3 AR-1016-1

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 138430528
Conc: 548.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

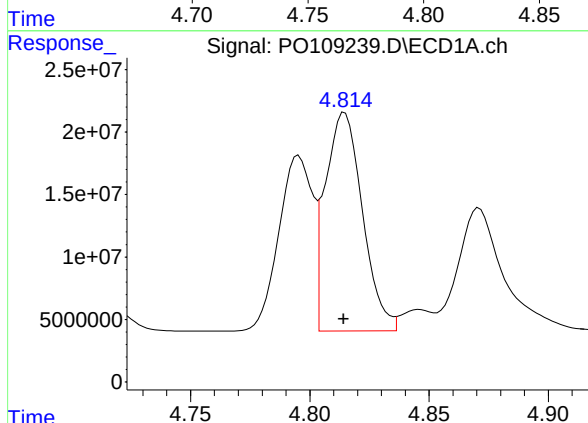
Manual Integrations
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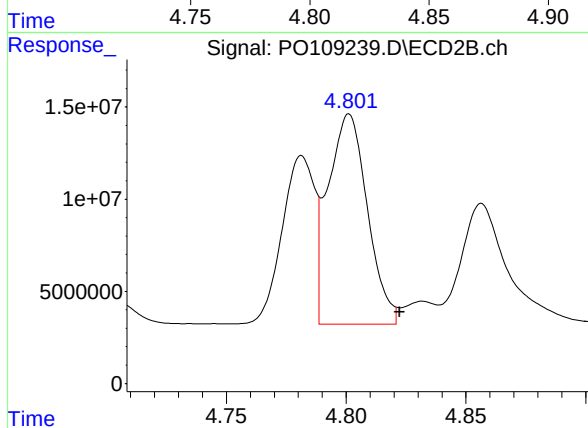
#3 AR-1016-1

R.T.: 4.781 min
Delta R.T.: -0.022 min
Response: 84827743
Conc: 523.89 ng/ml



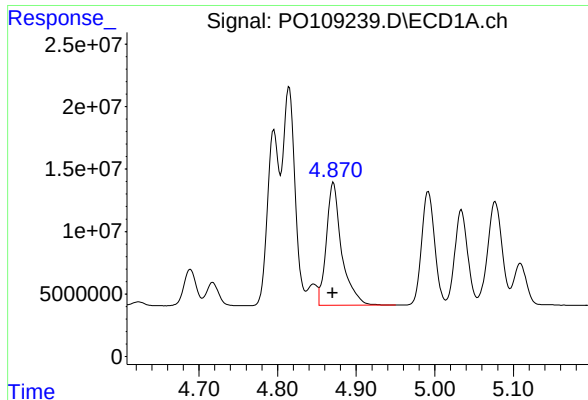
#4 AR-1016-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 189628575
Conc: 549.83 ng/ml



#4 AR-1016-2

R.T.: 4.801 min
Delta R.T.: -0.021 min
Response: 129840098
Conc: 545.01 ng/ml



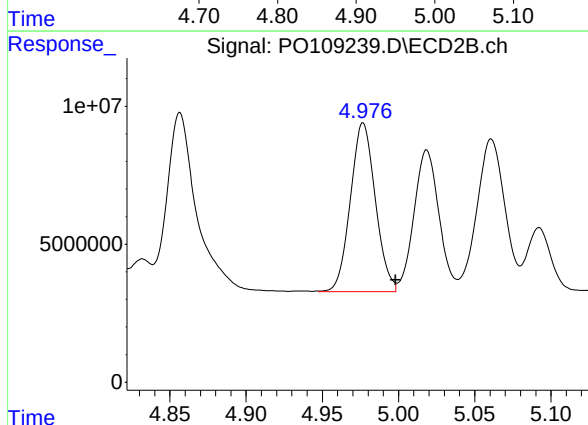
#5 AR-1016-3

R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 132799001
Conc: 544.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

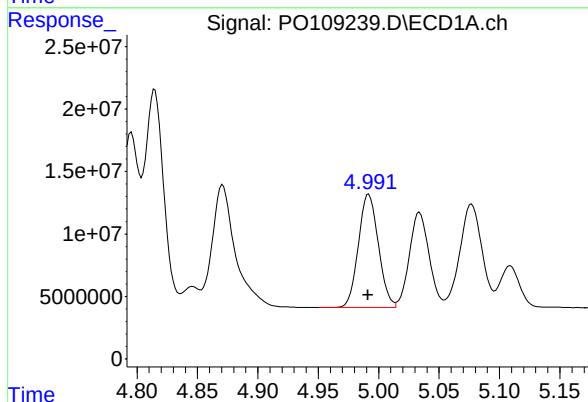
Manual Integrations
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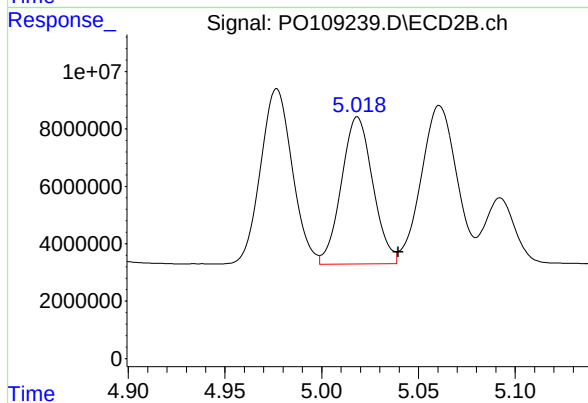
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 69702273
Conc: 534.62 ng/ml



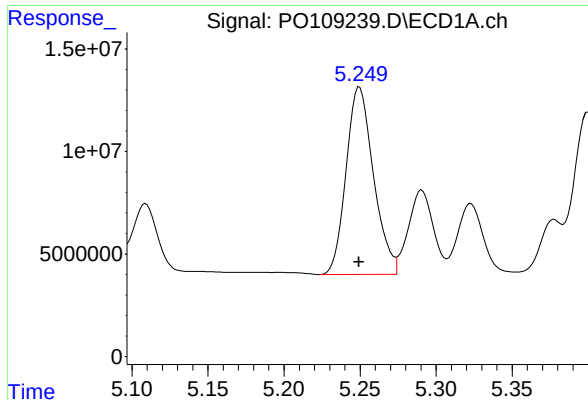
#6 AR-1016-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 104288946
Conc: 546.50 ng/ml



#6 AR-1016-4

R.T.: 5.018 min
Delta R.T.: -0.022 min
Response: 57979486
Conc: 524.61 ng/ml



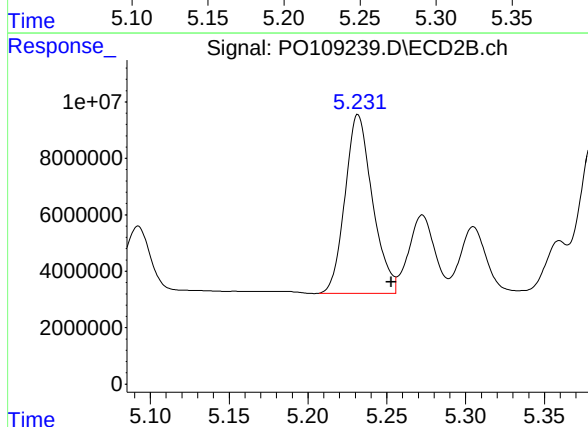
#7 AR-1016-5

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 114813288
Conc: 549.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

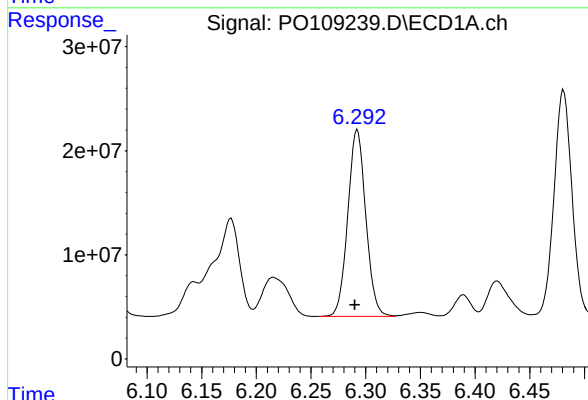
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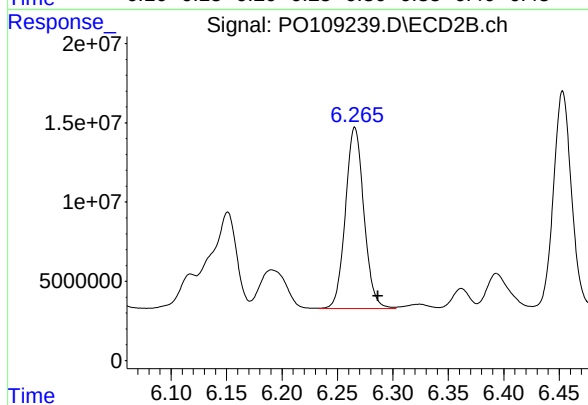
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 76823812
Conc: 535.20 ng/ml



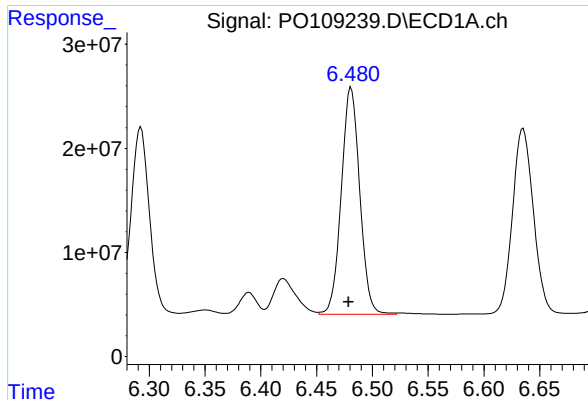
#31 AR-1260-1

R.T.: 6.292 min
Delta R.T.: 0.002 min
Response: 206369266
Conc: 541.43 ng/ml



#31 AR-1260-1

R.T.: 6.266 min
Delta R.T.: -0.021 min
Response: 132407641
Conc: 525.33 ng/ml



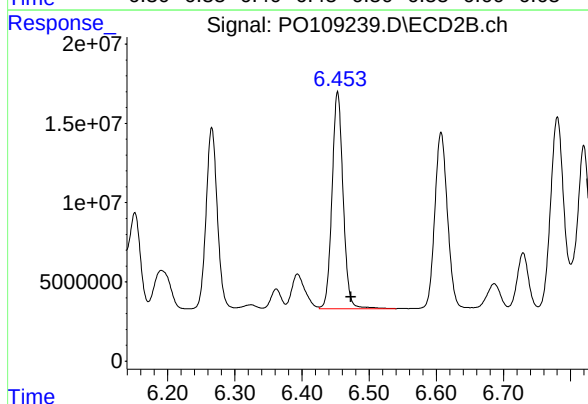
#32 AR-1260-2

R.T.: 6.481 min
Delta R.T.: 0.002 min
Response: 250490677
Conc: 533.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

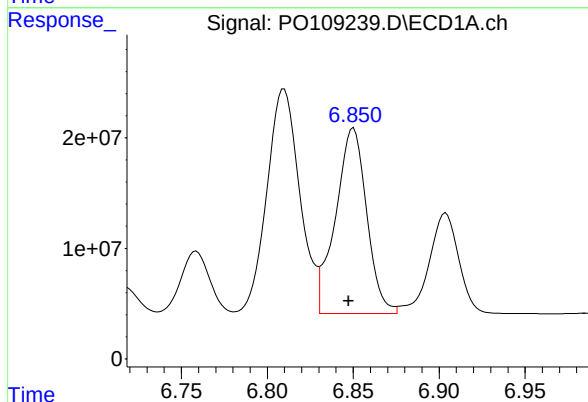
Manual Integrations
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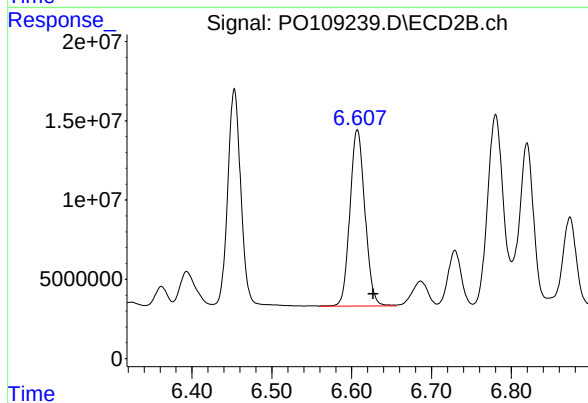
#32 AR-1260-2

R.T.: 6.453 min
Delta R.T.: -0.020 min
Response: 156864376
Conc: 521.48 ng/ml



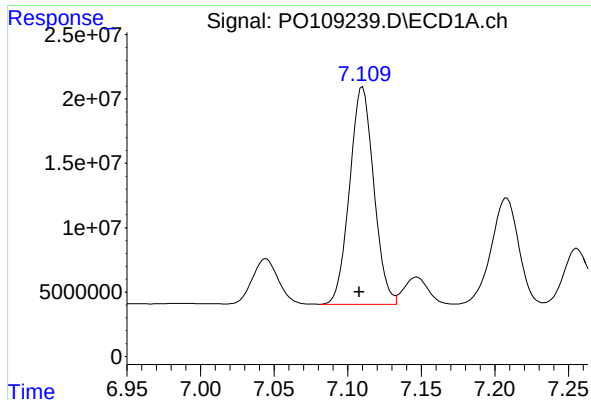
#33 AR-1260-3

R.T.: 6.850 min
Delta R.T.: 0.003 min
Response: 211656199
Conc: 540.54 ng/ml



#33 AR-1260-3

R.T.: 6.607 min
Delta R.T.: -0.020 min
Response: 145368667
Conc: 522.18 ng/ml



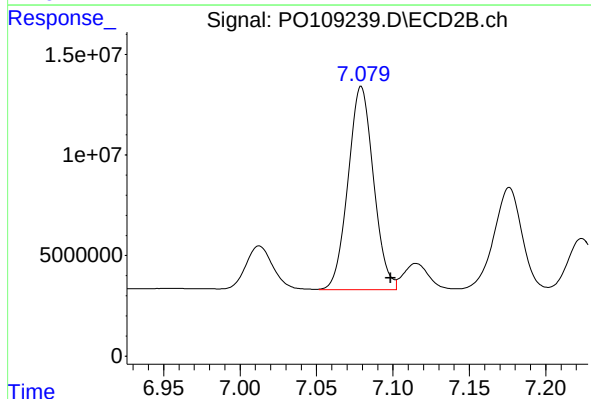
#34 AR-1260-4

R.T.: 7.110 min
Delta R.T.: 0.002 min
Response: 193030870
Conc: 539.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

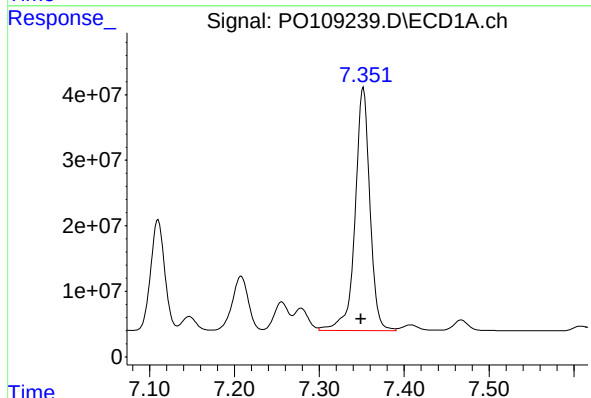
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



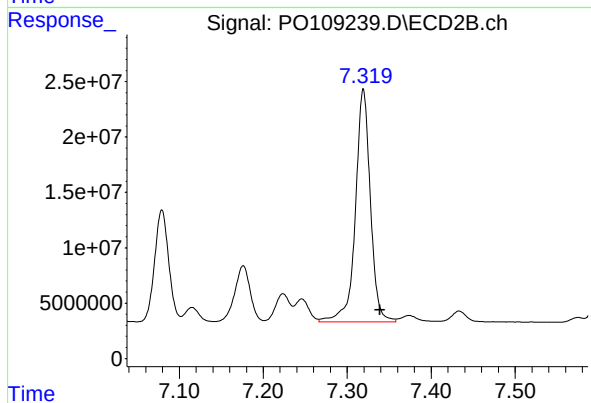
#34 AR-1260-4

R.T.: 7.079 min
Delta R.T.: -0.020 min
Response: 117946605
Conc: 522.69 ng/ml



#35 AR-1260-5

R.T.: 7.352 min
Delta R.T.: 0.003 min
Response: 450281531
Conc: 539.52 ng/ml



#35 AR-1260-5

R.T.: 7.319 min
Delta R.T.: -0.020 min
Response: 261457121
Conc: 522.20 ng/ml



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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Continuing Calib Date: 01/30/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 00:46 Initial Calibration Time(s): 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-2	(2)	4.82	4.81	4.71	4.91	-0.01
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



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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Continuing Calib Date: 01/30/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 00:46 Initial Calibration Time(s): 17:36 01:50

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
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)	6.27	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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL03 Date Analyzed: 01/30/2025

Lab Sample No.: AR1660CCC500 Data File : PO109254.D Time Analyzed: 00:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.795	4.695	4.895	505.990	500.000	1.2
Aroclor-1016-2	4.815	4.714	4.914	509.560	500.000	1.9
Aroclor-1016-3	4.871	4.770	4.970	498.380	500.000	-0.3
Aroclor-1016-4	4.992	4.891	5.091	501.440	500.000	0.3
Aroclor-1016-5	5.249	5.149	5.349	514.980	500.000	3.0
Aroclor-1260-1	6.292	6.190	6.390	453.860	500.000	-9.2
Aroclor-1260-2	6.481	6.379	6.579	431.160	500.000	-13.8
Aroclor-1260-3	6.849	6.747	6.947	415.340	500.000	-16.9
Aroclor-1260-4	7.109	7.008	7.208	437.080	500.000	-12.6
Aroclor-1260-5	7.350	7.249	7.449	451.440	500.000	-9.7
Decachlorobiphenyl	8.762	8.658	8.858	38.710	50.000	-22.6
Tetrachloro-m-xylene	3.700	3.600	3.800	50.770	50.000	1.5



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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL03 Date Analyzed: 01/30/2025

Lab Sample No.: AR1660CCC500 Data File : PO109254.D Time Analyzed: 00:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.780	4.703	4.903	533.530	500.000	6.7
Aroclor-1016-2	4.800	4.722	4.922	527.150	500.000	5.4
Aroclor-1016-3	4.975	4.898	5.098	529.220	500.000	5.8
Aroclor-1016-4	5.018	4.940	5.140	507.710	500.000	1.5
Aroclor-1016-5	5.231	5.153	5.353	546.030	500.000	9.2
Aroclor-1260-1	6.265	6.186	6.386	517.230	500.000	3.4
Aroclor-1260-2	6.452	6.373	6.573	499.300	500.000	-0.1
Aroclor-1260-3	6.605	6.527	6.727	481.950	500.000	-3.6
Aroclor-1260-4	7.077	6.999	7.199	450.300	500.000	-9.9
Aroclor-1260-5	7.318	7.239	7.439	446.240	500.000	-10.8
Decachlorobiphenyl	8.712	8.633	8.833	42.230	50.000	-15.5
Tetrachloro-m-xylene	3.696	3.618	3.818	54.730	50.000	9.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
 Data File : PO109254.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jan 2025 00:46
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 30 04:05:16 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...	3.700	3.696	383.6E6	293.3E6	50.767	54.725
2) SA Decachlor...	8.762	8.712	268.2E6	145.2E6	38.708	42.231
Target Compounds						
3) L1 AR-1016-1	4.795	4.780	127.7E6	86387795	505.990	533.528m
4) L1 AR-1016-2	4.815	4.800	175.7E6	125.6E6	509.562	527.147m
5) L1 AR-1016-3	4.871	4.975	121.7E6	68998062	498.385	529.216m
6) L1 AR-1016-4	4.992	5.018	95690312	56110933	501.445	507.706m
7) L1 AR-1016-5	5.249	5.231	107.5E6	78378262	514.978	546.027m
31) L7 AR-1260-1	6.292	6.265	173.0E6	130.4E6	453.857	517.233
32) L7 AR-1260-2	6.481	6.452	202.5E6	150.2E6	431.162	499.301
33) L7 AR-1260-3	6.849	6.605	162.6E6	134.2E6	415.337	481.951
34) L7 AR-1260-4	7.109	7.077	156.5E6	101.6E6	437.082	450.300m
35) L7 AR-1260-5	7.350	7.318	376.8E6	223.4E6	451.437	446.236

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 00:46
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

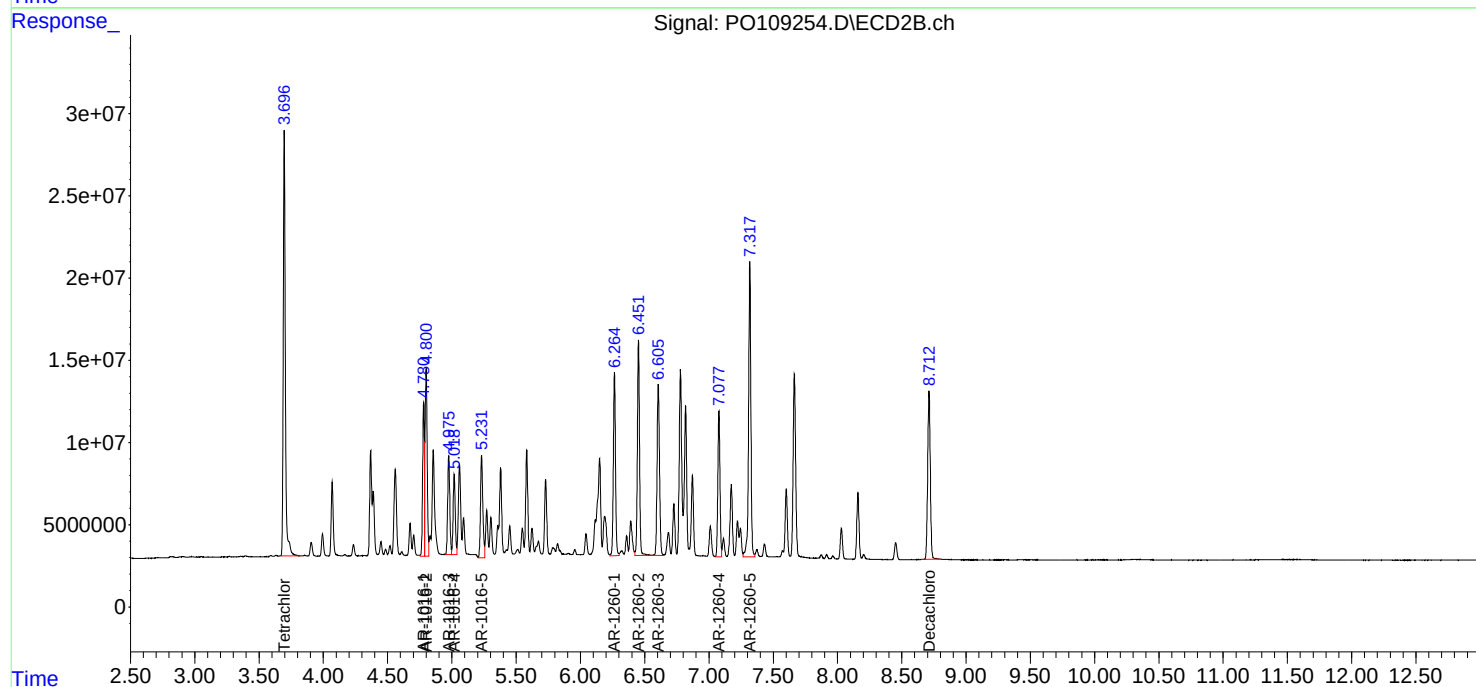
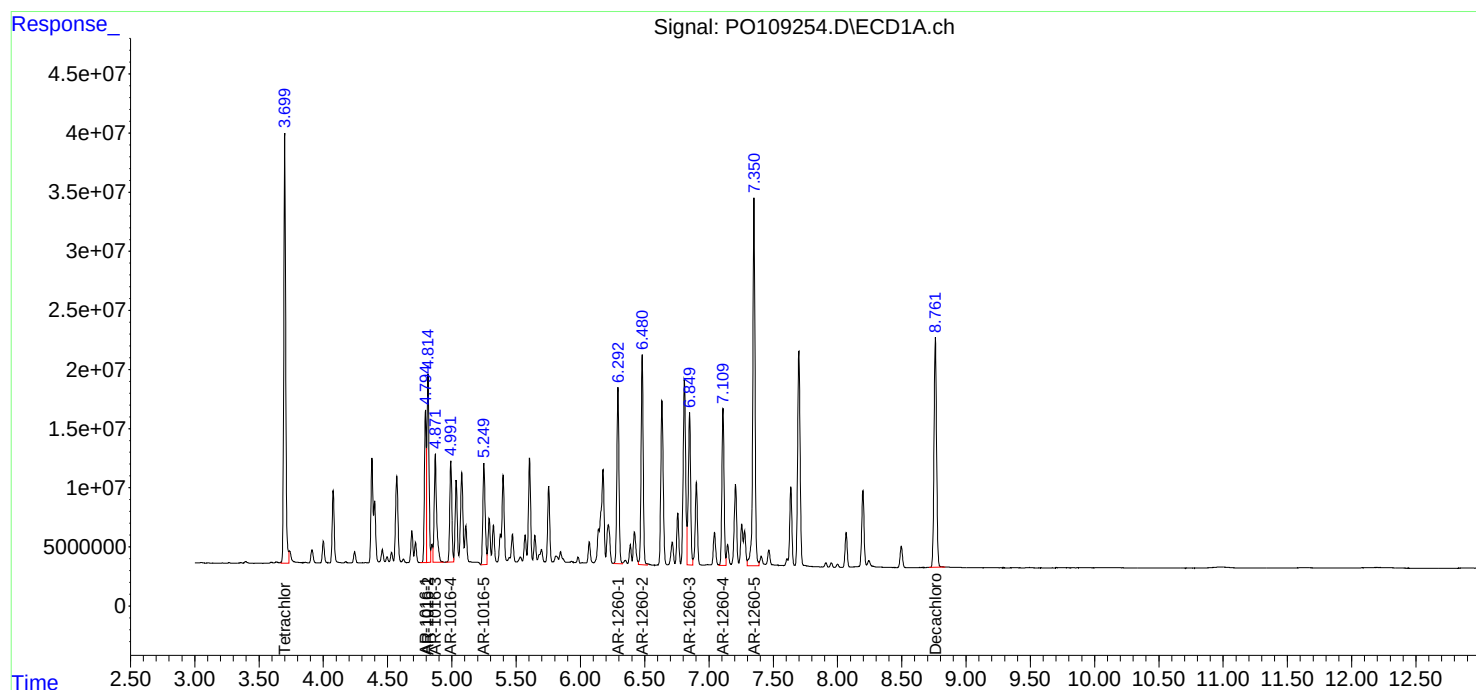
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

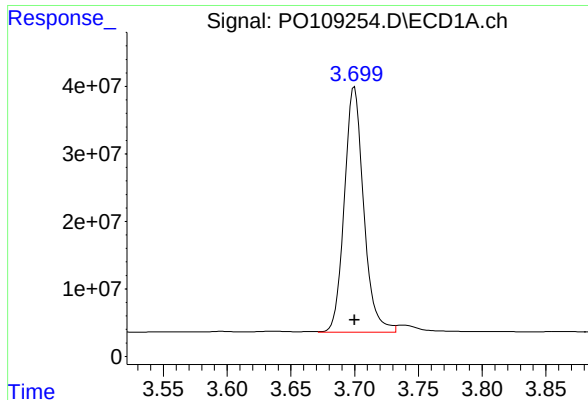
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:05:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





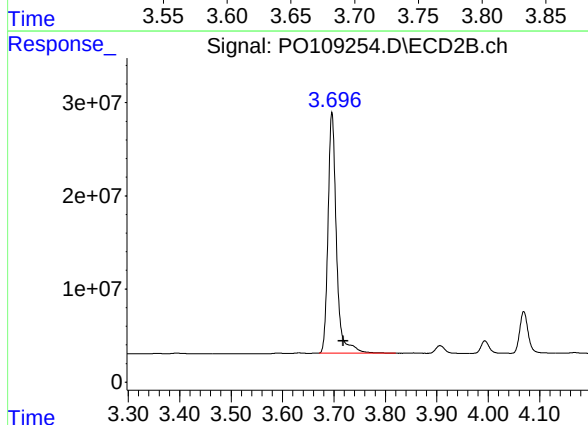
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 383618449
Conc: 50.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

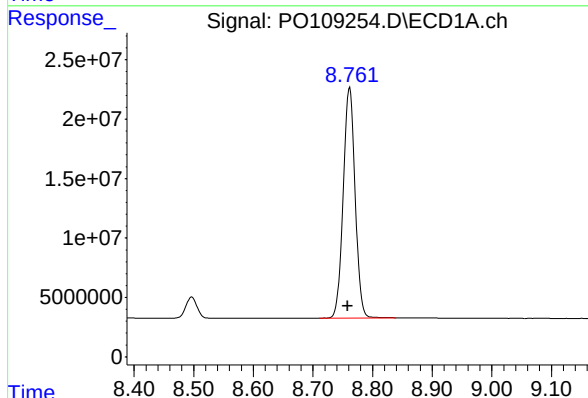
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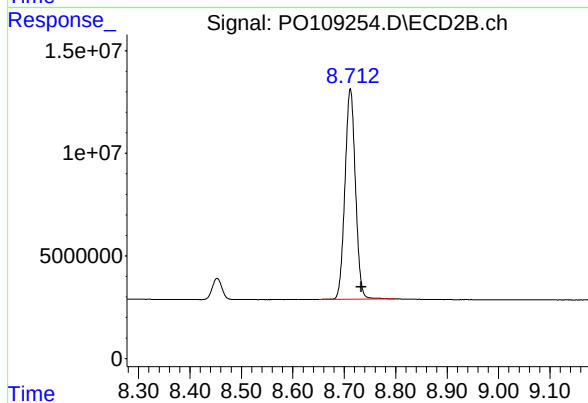
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 293344432
Conc: 54.73 ng/ml



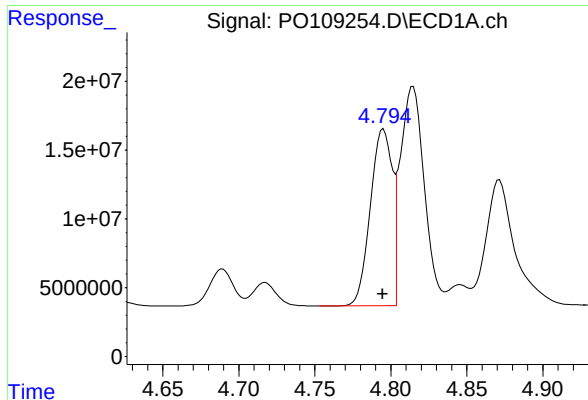
#2 Decachlorobiphenyl

R.T.: 8.762 min
Delta R.T.: 0.003 min
Response: 268160166
Conc: 38.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.712 min
Delta R.T.: -0.021 min
Response: 145221249
Conc: 42.23 ng/ml



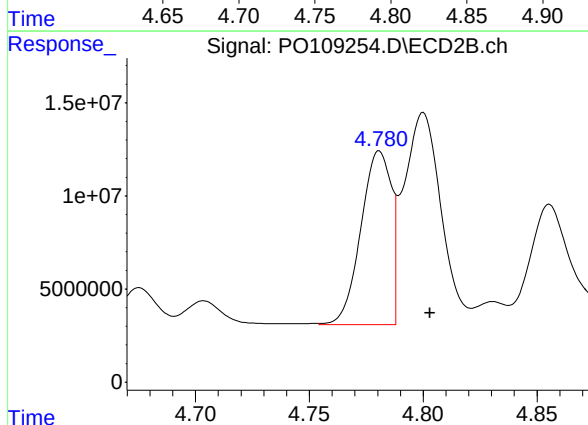
#3 AR-1016-1

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 127654466
Conc: 505.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

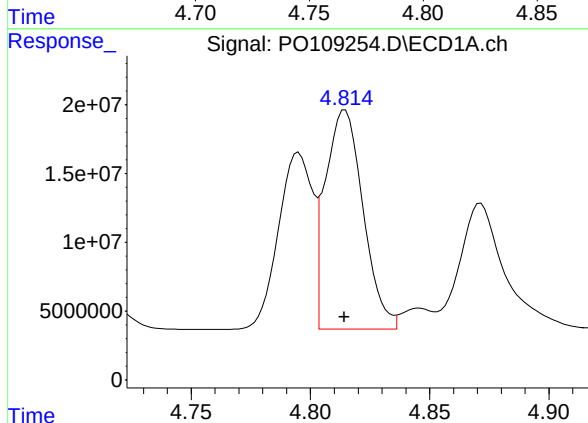
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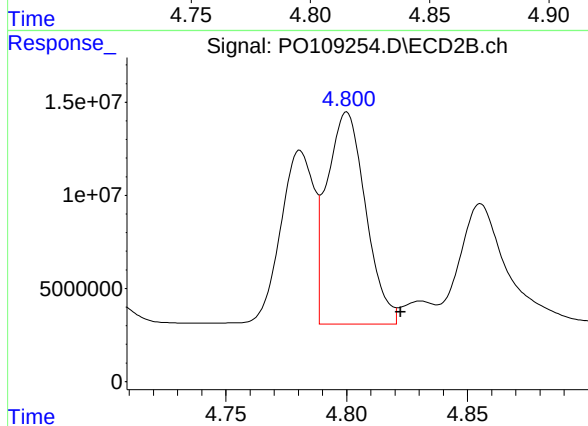
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: -0.023 min
Response: 86387795
Conc: 533.53 ng/ml



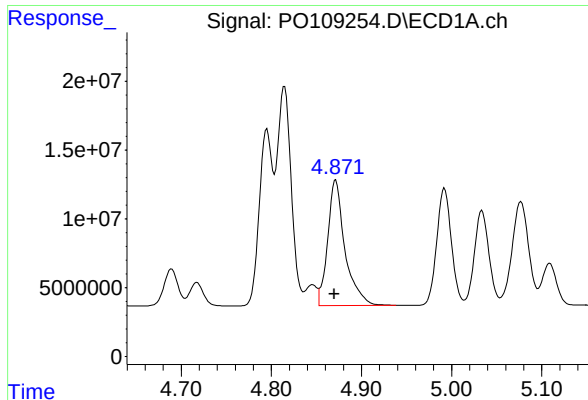
#4 AR-1016-2

R.T.: 4.815 min
Delta R.T.: 0.000 min
Response: 175740277
Conc: 509.56 ng/ml



#4 AR-1016-2

R.T.: 4.800 min
Delta R.T.: -0.023 min
Response: 125585507
Conc: 527.15 ng/ml



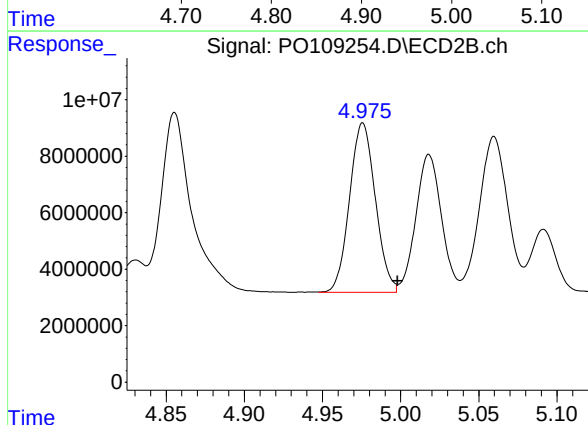
#5 AR-1016-3

R.T.: 4.871 min
Delta R.T.: 0.001 min
Response: 121664022
Conc: 498.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

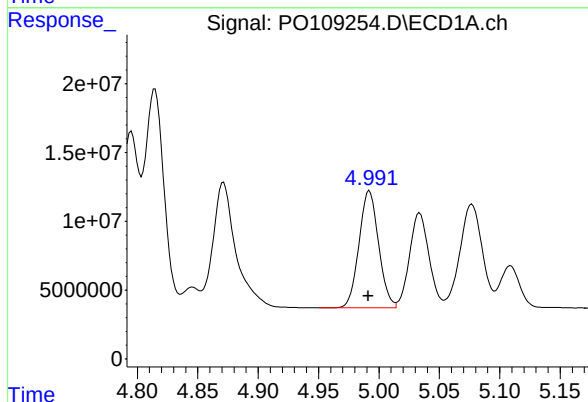
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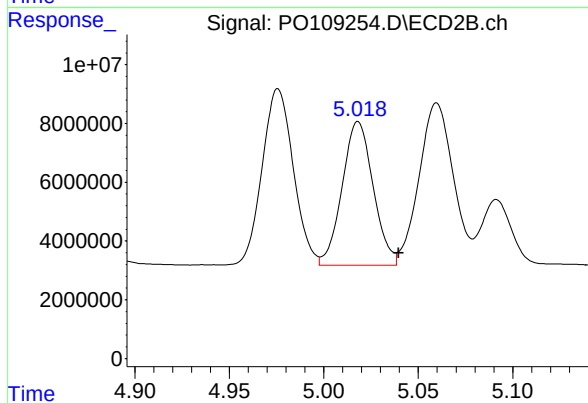
#5 AR-1016-3

R.T.: 4.975 min
Delta R.T.: -0.023 min
Response: 68998062
Conc: 529.22 ng/ml m



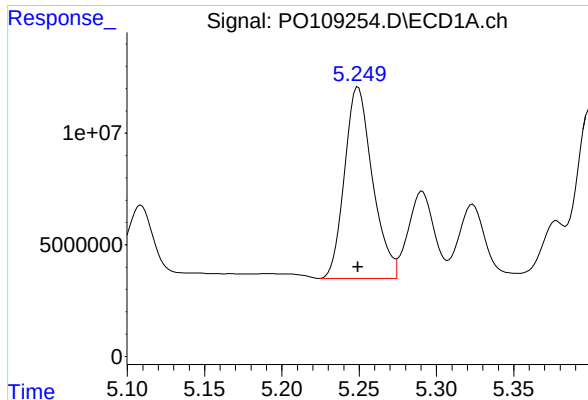
#6 AR-1016-4

R.T.: 4.992 min
Delta R.T.: 0.000 min
Response: 95690312
Conc: 501.44 ng/ml



#6 AR-1016-4

R.T.: 5.018 min
Delta R.T.: -0.022 min
Response: 56110933
Conc: 507.71 ng/ml m



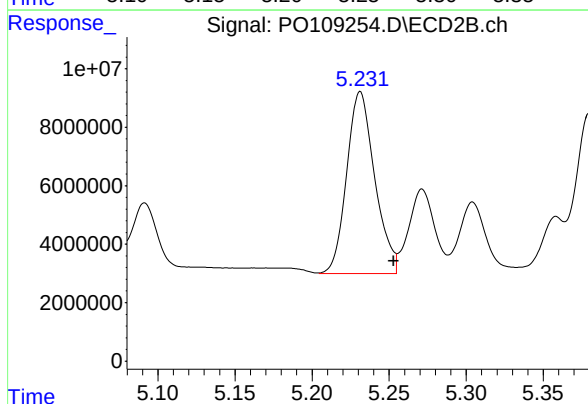
#7 AR-1016-5

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 107507701
Conc: 514.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

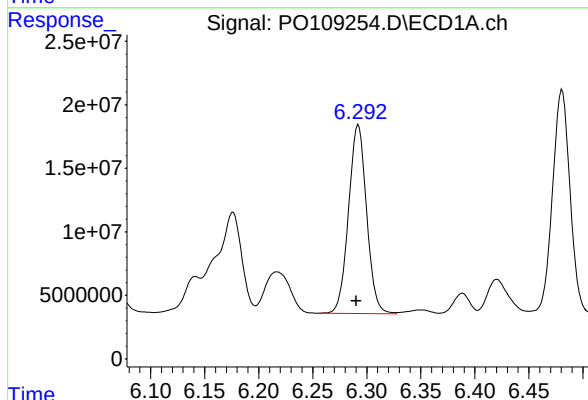
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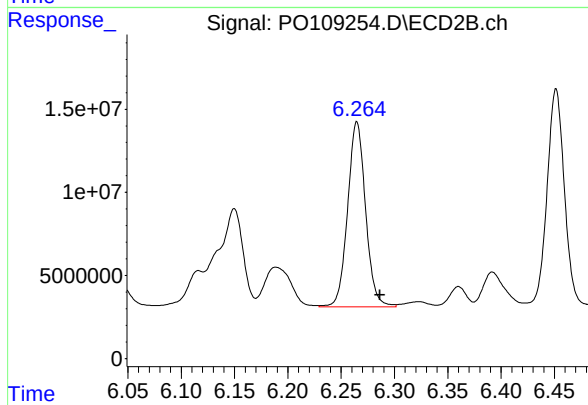
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 78378262
Conc: 546.03 ng/ml



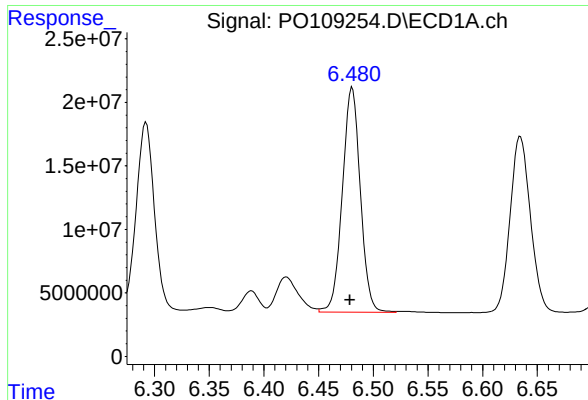
#31 AR-1260-1

R.T.: 6.292 min
Delta R.T.: 0.002 min
Response: 172990198
Conc: 453.86 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.022 min
Response: 130368092
Conc: 517.23 ng/ml



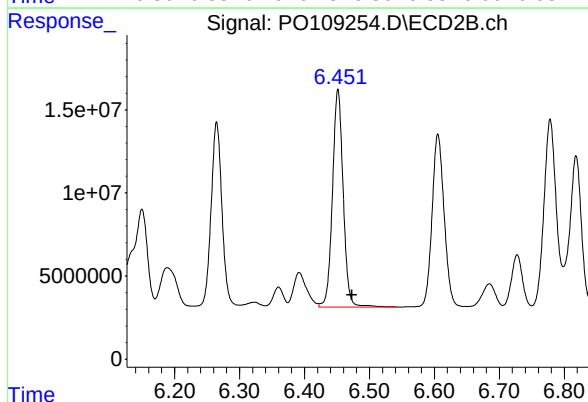
#32 AR-1260-2

R.T.: 6.481 min
Delta R.T.: 0.002 min
Response: 202465101
Conc: 431.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

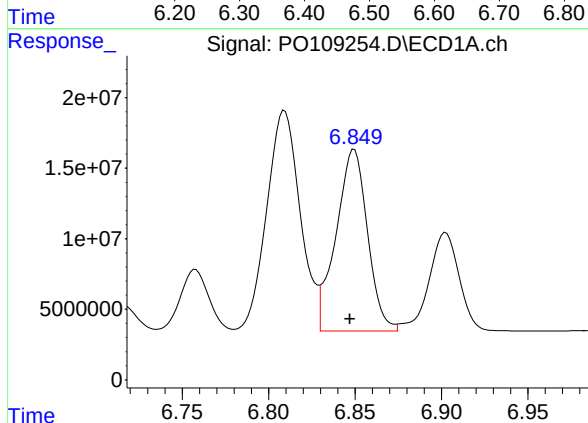
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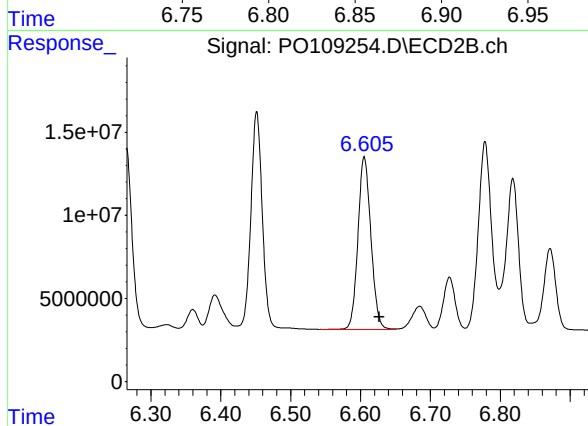
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.022 min
Response: 150191854
Conc: 499.30 ng/ml



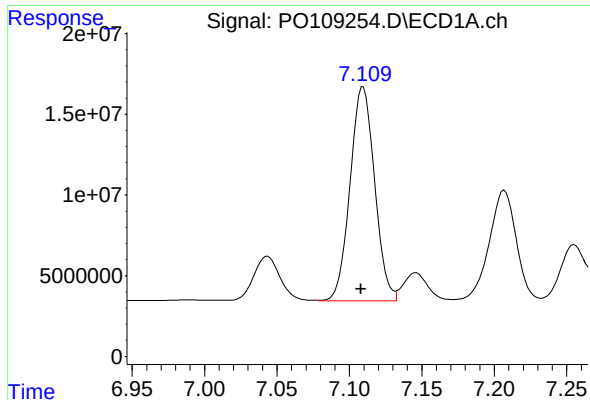
#33 AR-1260-3

R.T.: 6.849 min
Delta R.T.: 0.002 min
Response: 162630159
Conc: 415.34 ng/ml



#33 AR-1260-3

R.T.: 6.605 min
Delta R.T.: -0.022 min
Response: 134168344
Conc: 481.95 ng/ml



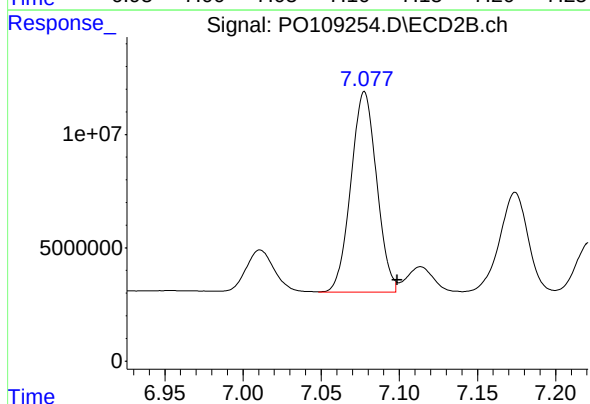
#34 AR-1260-4

R.T.: 7.109 min
Delta R.T.: 0.001 min
Response: 156456840
Conc: 437.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

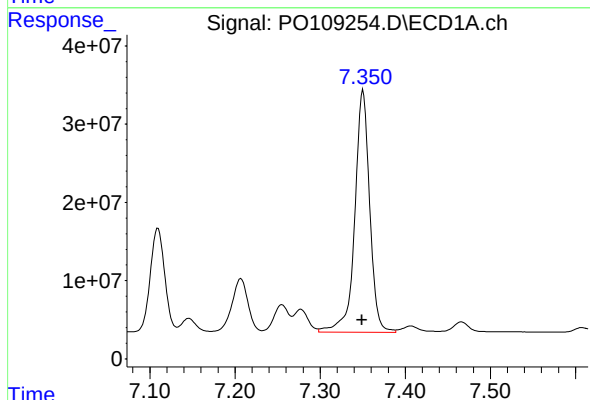
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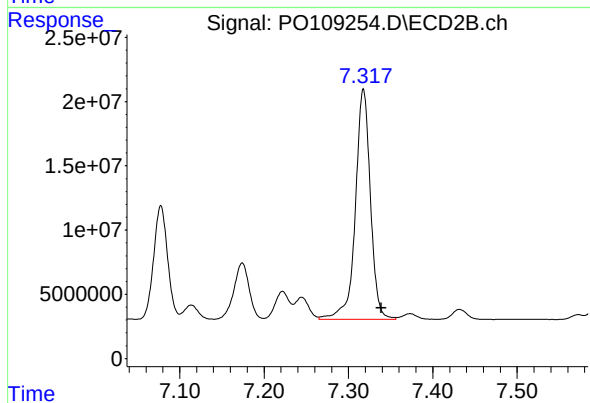
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.021 min
Response: 101610810
Conc: 450.30 ng/ml



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.001 min
Response: 376767015
Conc: 451.44 ng/ml



#35 AR-1260-5

R.T.: 7.318 min
Delta R.T.: -0.021 min
Response: 223421313
Conc: 446.24 ng/ml

Analytical Sequence

Client: RU2 Engineering, LLC	SDG No.: Q1206
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 #
IBLK	IBLK	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	01/29/2025	11:53	PO109224.D	8.76	3.70
IBLK	IBLK	01/29/2025	13:04	PO109228.D	8.76	3.70
PB166333BL	PB166333BL	01/29/2025	15:45	PO109237.D	8.76	3.70
PB166333BS	PB166333BS	01/29/2025	16:02	PO109238.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/29/2025	16:49	PO109239.D	8.76	3.70
IBLK	IBLK	01/29/2025	18:02	PO109243.D	8.76	3.70
VNJ-236MS	Q1205-01MS	01/29/2025	18:37	PO109245.D	8.76	3.70
VNJ-236MSD	Q1205-01MSD	01/29/2025	18:55	PO109246.D	8.76	3.70
JPP-20.1-012725	Q1206-03	01/29/2025	19:13	PO109247.D	8.76	3.70
JPP-16.3-012725	Q1206-07	01/29/2025	19:31	PO109248.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/30/2025	00:46	PO109254.D	8.76	3.70
IBLK	IBLK	01/30/2025	01:59	PO109258.D	8.76	3.70

Analytical Sequence

Client: RU2 Engineering, LLC	SDG No.: Q1206
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 #
IBLK	IBLK	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	01/29/2025	11:53	PO109224.D	8.72	3.70
IBLK	IBLK	01/29/2025	13:04	PO109228.D	8.72	3.70
PB166333BL	PB166333BL	01/29/2025	15:45	PO109237.D	8.71	3.70
PB166333BS	PB166333BS	01/29/2025	16:02	PO109238.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/29/2025	16:49	PO109239.D	8.71	3.70
IBLK	IBLK	01/29/2025	18:02	PO109243.D	8.71	3.70
VNJ-236MS	Q1205-01MS	01/29/2025	18:37	PO109245.D	8.71	3.70
VNJ-236MSD	Q1205-01MSD	01/29/2025	18:55	PO109246.D	8.71	3.70
JPP-20.1-012725	Q1206-03	01/29/2025	19:13	PO109247.D	8.71	3.70
JPP-16.3-012725	Q1206-07	01/29/2025	19:31	PO109248.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/30/2025	00:46	PO109254.D	8.71	3.70
IBLK	IBLK	01/30/2025	01:59	PO109258.D	8.71	3.70

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166333BS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: PB166333BS Date(s) Analyzed: 01/29/2025 01/29/2025

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 PO109238.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.793	4.743	4.843	173	169	3.61
COLUMN 1	2	4.813	4.763	4.863	171		
	3	4.869	4.819	4.919	169		
	4	4.99	4.94	5.04	170		
	5	5.247	5.197	5.297	164		
	1	4.78	4.73	4.83	181		
COLUMN 2	2	4.799	4.749	4.849	158	163	
	3	4.976	4.926	5.026	163		
	4	5.017	4.967	5.067	158		
	5	5.23	5.18	5.28	156		
Aroclor-1260	1	6.29	6.24	6.34	173	159	1.27
COLUMN 1	2	6.478	6.428	6.528	170		
	3	6.848	6.798	6.898	148		
	4	7.109	7.059	7.159	152		
	5	7.35	7.3	7.4	153		
	1	6.265	6.215	6.315	167	157	
COLUMN 2	2	6.452	6.402	6.502	164		
	3	6.605	6.555	6.655	166		
	4	7.077	7.027	7.127	142		
	5	7.318	7.268	7.368	145		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

VNJ-236MS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: Q1205-01MS Date(s) Analyzed: 01/29/2025 01/29/2025

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 PO109245.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.793	4.743	4.843	189	182	3.92
COLUMN 1	2	4.812	4.762	4.862	184		
	3	4.868	4.818	4.918	185		
	4	4.99	4.94	5.04	181		
	5	5.247	5.197	5.297	173		
	1	4.78	4.73	4.83	168		
COLUMN 2	2	4.8	4.75	4.85	181	175	
	3	4.976	4.926	5.026	179		
	4	5.017	4.967	5.067	180		
	5	5.231	5.181	5.281	169		
Aroclor-1260	1	6.29	6.24	6.34	190	175	1.14
COLUMN 1	2	6.48	6.43	6.53	198		
	3	6.848	6.798	6.898	151		
	4	7.11	7.06	7.16	180		
	5	7.35	7.3	7.4	156		
	1	6.265	6.215	6.315	187	177	
COLUMN 2	2	6.452	6.402	6.502	197		
	3	6.606	6.556	6.656	174		
	4	7.078	7.028	7.128	177		
	5	7.318	7.268	7.368	153		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

VNJ-236MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: Q1205-01MSD Date(s) Analyzed: 01/29/2025 01/29/2025

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 PO109246.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.793	4.743	4.843	185	178	0.56
COLUMN 1	2	4.813	4.763	4.863	182		
	3	4.869	4.819	4.919	182		
	4	4.99	4.94	5.04	176		
	5	5.247	5.197	5.297	168		
	1	4.781	4.731	4.831	190		
COLUMN 2	2	4.8	4.75	4.85	176	177	
	3	4.976	4.926	5.026	176		
	4	5.018	4.968	5.068	178		
	5	5.231	5.181	5.281	167		
Aroclor-1260	1	6.29	6.24	6.34	187	172	1.16
COLUMN 1	2	6.479	6.429	6.529	199		
	3	6.847	6.797	6.897	146		
	4	7.109	7.059	7.159	176		
	5	7.349	7.299	7.399	154		
	1	6.265	6.215	6.315	185	174	
COLUMN 2	2	6.452	6.402	6.502	193		
	3	6.606	6.556	6.656	172		
	4	7.078	7.028	7.128	169		
	5	7.318	7.268	7.368	151		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-16.3-012725

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: Q1206-07 Date(s) Analyzed: 01/29/2025 01/29/2025

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 PO109248.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	5.608	5.558	5.658	54.6	41.2	6.12
COLUMN 1	2	5.754	5.704	5.804	39.4		
	3	6.159	6.109	6.209	28.6		
	4	6.389	6.339	6.439	24.6		
	5	6.81	6.76	6.86	58.5		
	1	5.587	5.537	5.637	59.1		
COLUMN 2	2	5.731	5.681	5.781	42.1	43.8	
	3	6.134	6.084	6.184	32.1		
	4	6.361	6.311	6.411	24.2		
	5	6.779	6.729	6.829	61.2		
Aroclor-1260	1	6.291	6.241	6.341	44.1	27.5	8.7
COLUMN 1	2	6.48	6.43	6.53	32.1		
	3	6.849	6.799	6.899	22.2		
	4	7.11	7.06	7.16	17.2		
	5	7.349	7.299	7.399	22.0		
	1	6.265	6.215	6.315	45.7		
COLUMN 2	2	6.453	6.403	6.503	33.7	30.0	
	3	6.605	6.555	6.655	29.8		
	4	7.078	7.028	7.128	17.9		
	5	7.316	7.266	7.366	22.9		



QC SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166333BL	SDG No.:	Q1206
Lab Sample ID:	PB166333BL	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
PO109237.D	1	01/29/25 08:55	01/29/25 15:45	PB166333

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	25.2		32 - 144	126%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.1		32 - 175	125%	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\P0012925\
Data File : P0109237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 15:45
Operator : YP/AJ
Sample : PB166333BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166333BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:02:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0012125.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	190.1E6	129.0E6	25.156	24.074
2) SA Decachlor...	8.763	8.714	173.6E6	85491085	25.059	24.861

Target Compounds

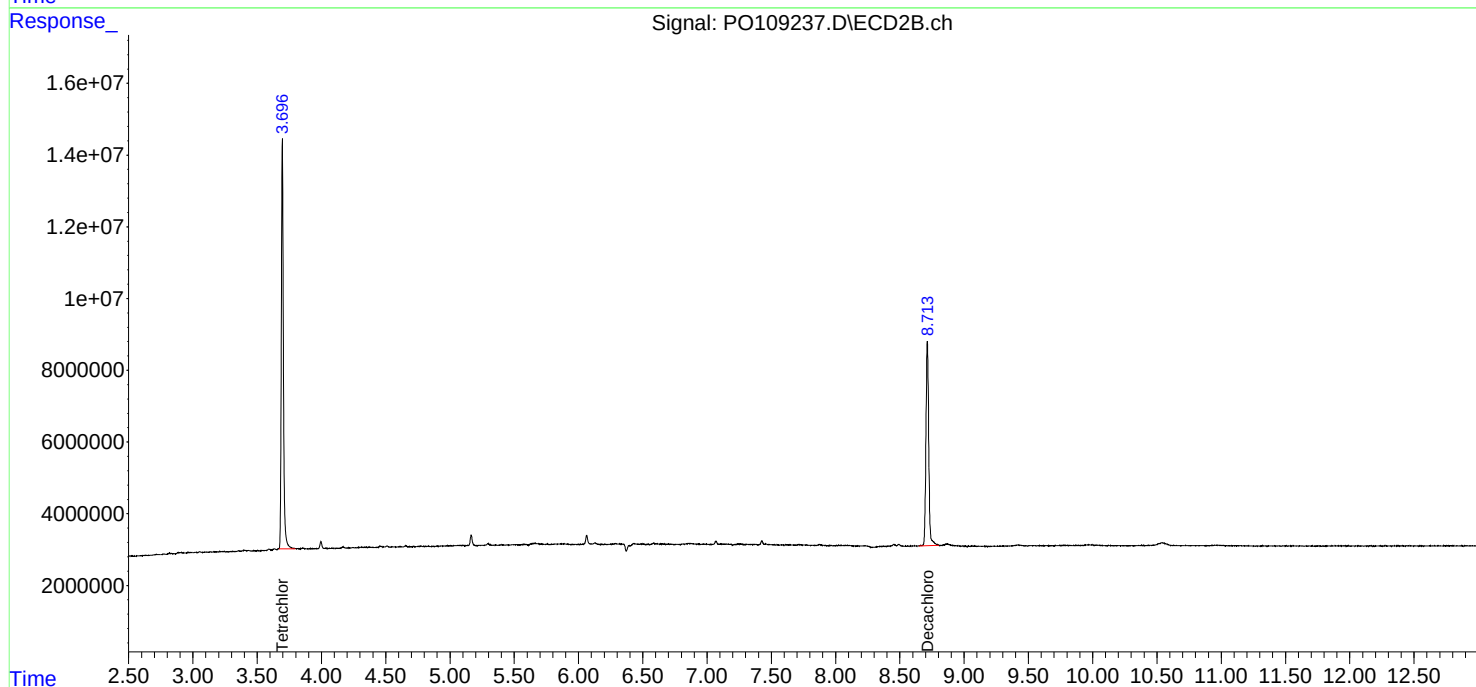
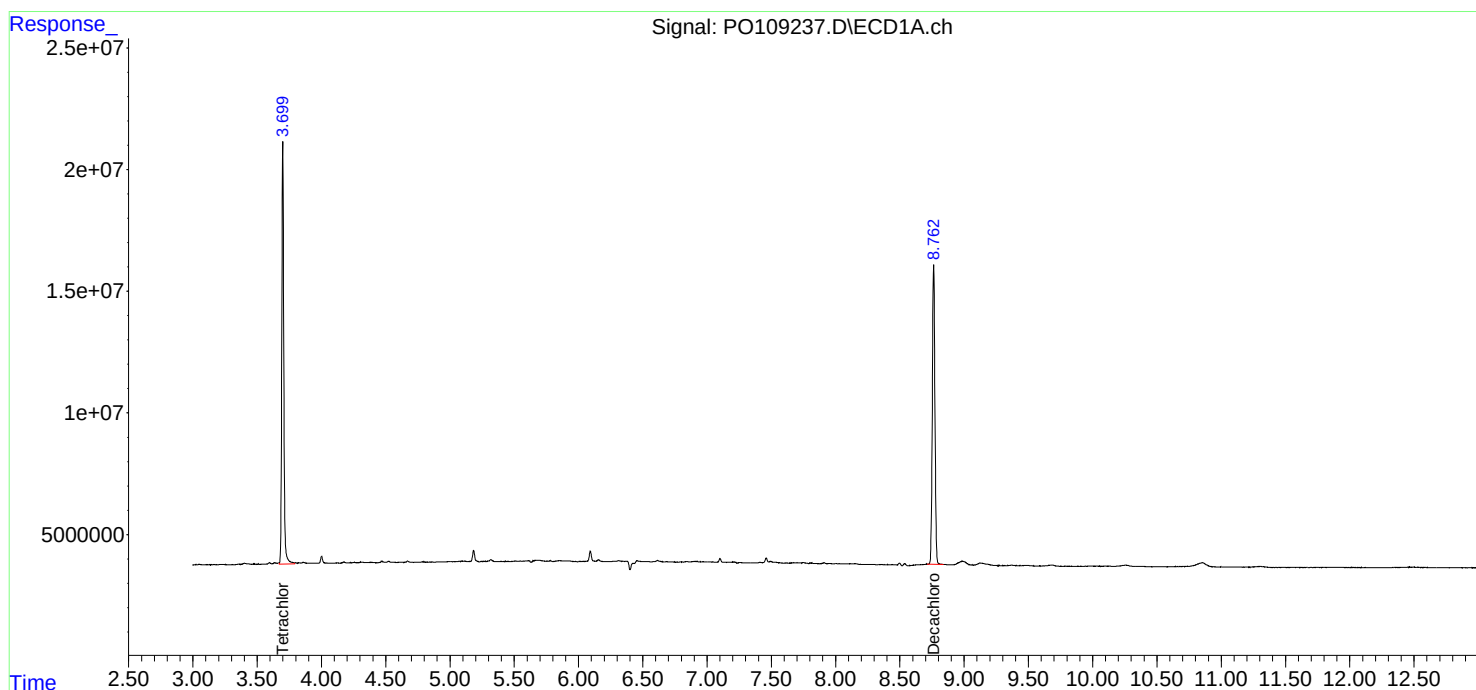
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

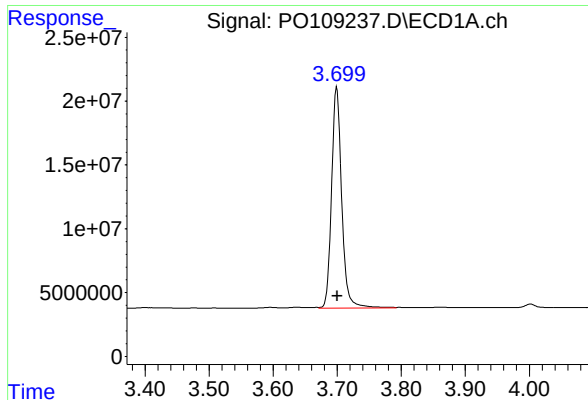
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 15:45
Operator : YP/AJ
Sample : PB166333BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166333BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:02:50 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

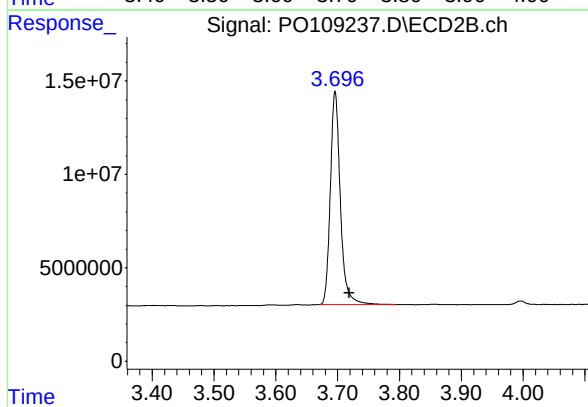




#1 Tetrachloro-m-xylene

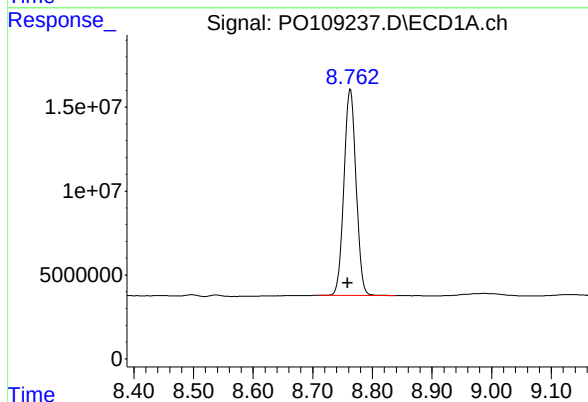
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 190086635
Conc: 25.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166333BL



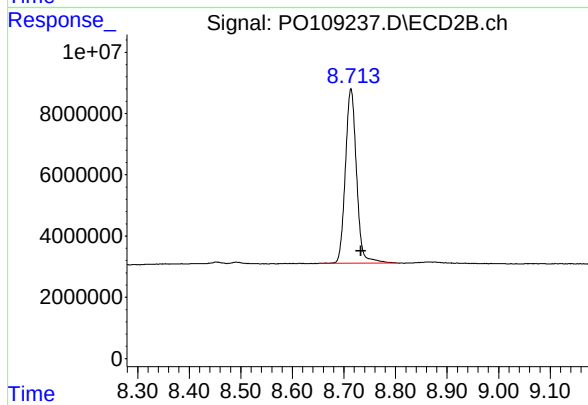
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 129042598
Conc: 24.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.763 min
Delta R.T.: 0.005 min
Response: 173604604
Conc: 25.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.714 min
Delta R.T.: -0.019 min
Response: 85491085
Conc: 24.86 ng/ml

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.:	Q1206
Lab Sample ID:	I.BLK-PO108981.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
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

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

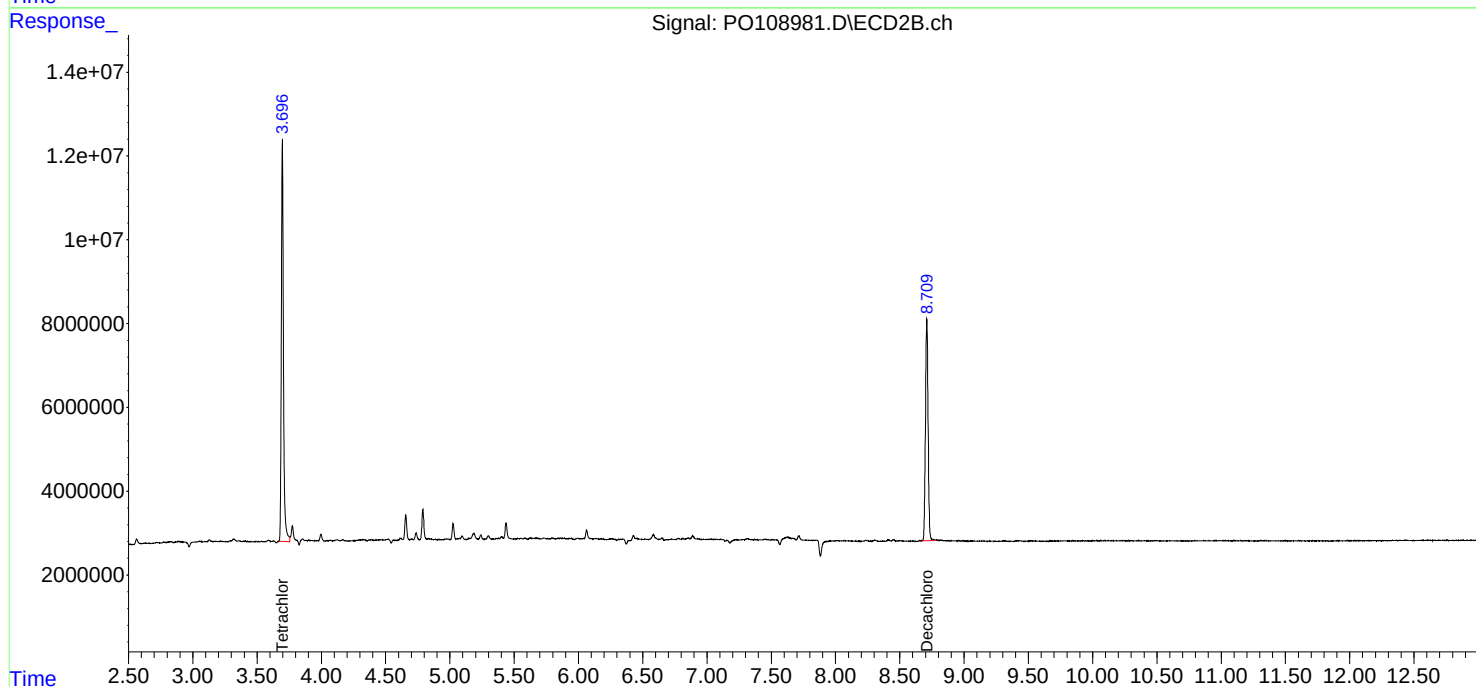
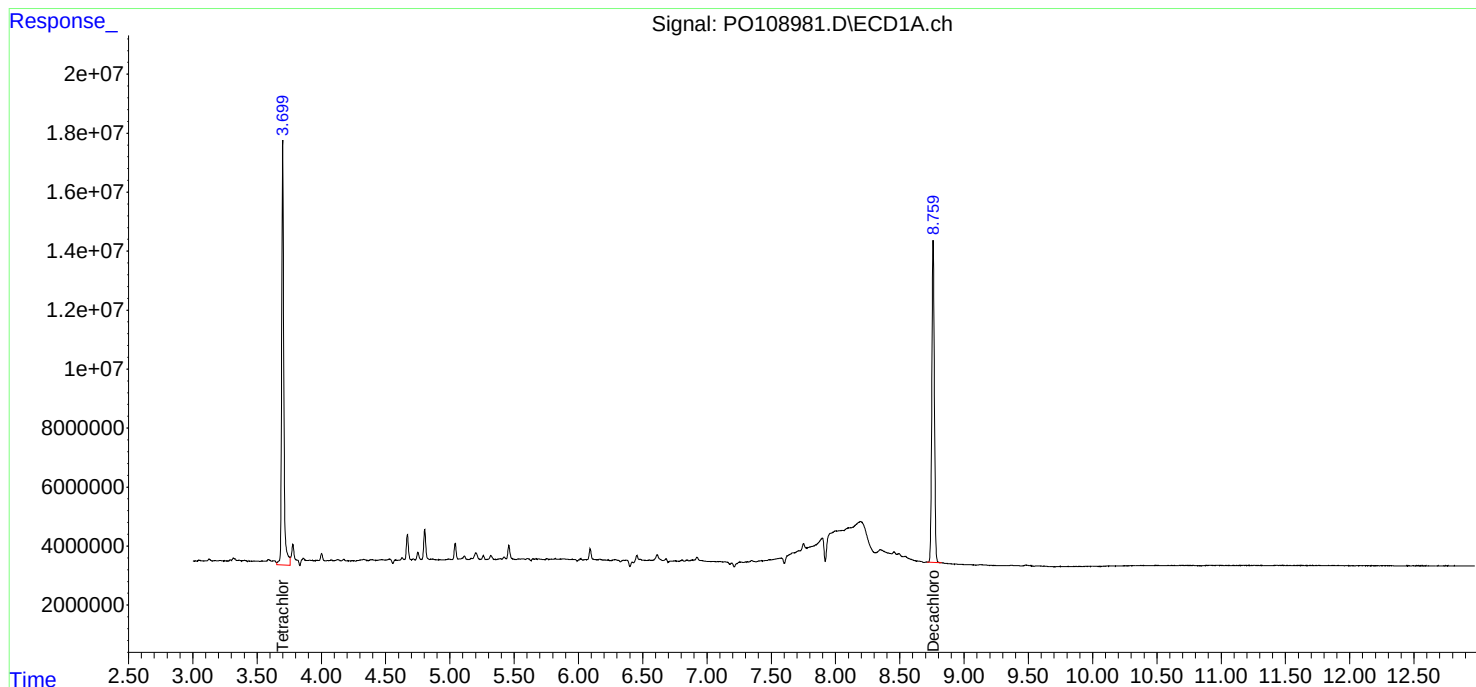
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

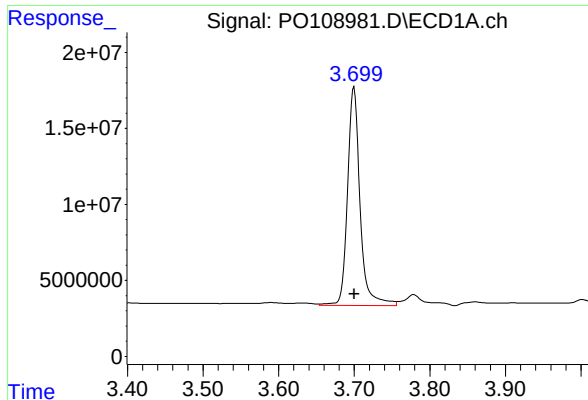
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012125\
Data File : PO108981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 17:18
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

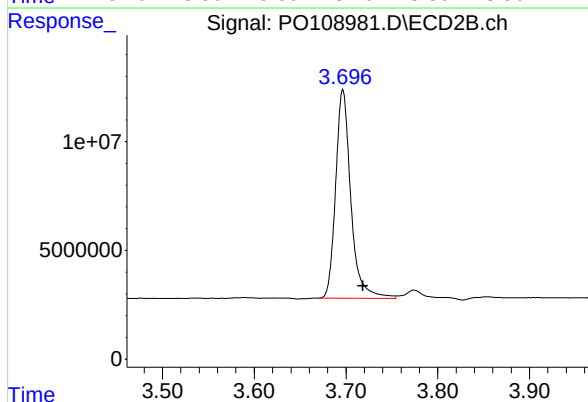




#1 Tetrachloro-m-xylene

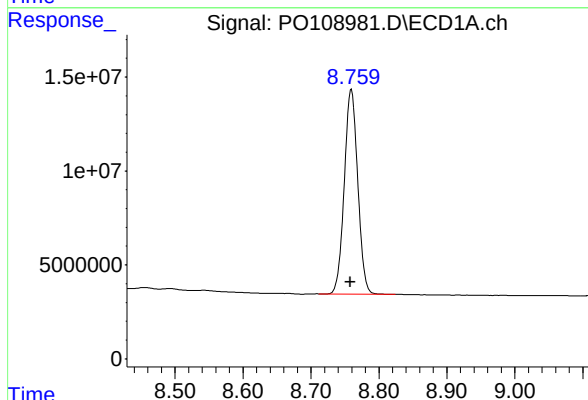
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 165192927
Conc: 21.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



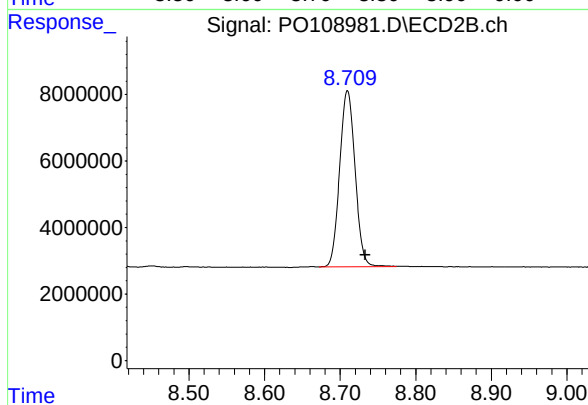
#1 Tetrachloro-m-xylene

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	PIBLK-PO109228.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PO109228.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109228.D	1		01/29/25	Po012925

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	24.3		60 - 140	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		60 - 140	120%	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\PO012925\
Data File : PO109228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:04
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:30:36 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	190.3E6	130.1E6	25.182	24.277
2) SA Decachlor...	8.762	8.715	176.2E6	82400526	25.430	23.962

Target Compounds

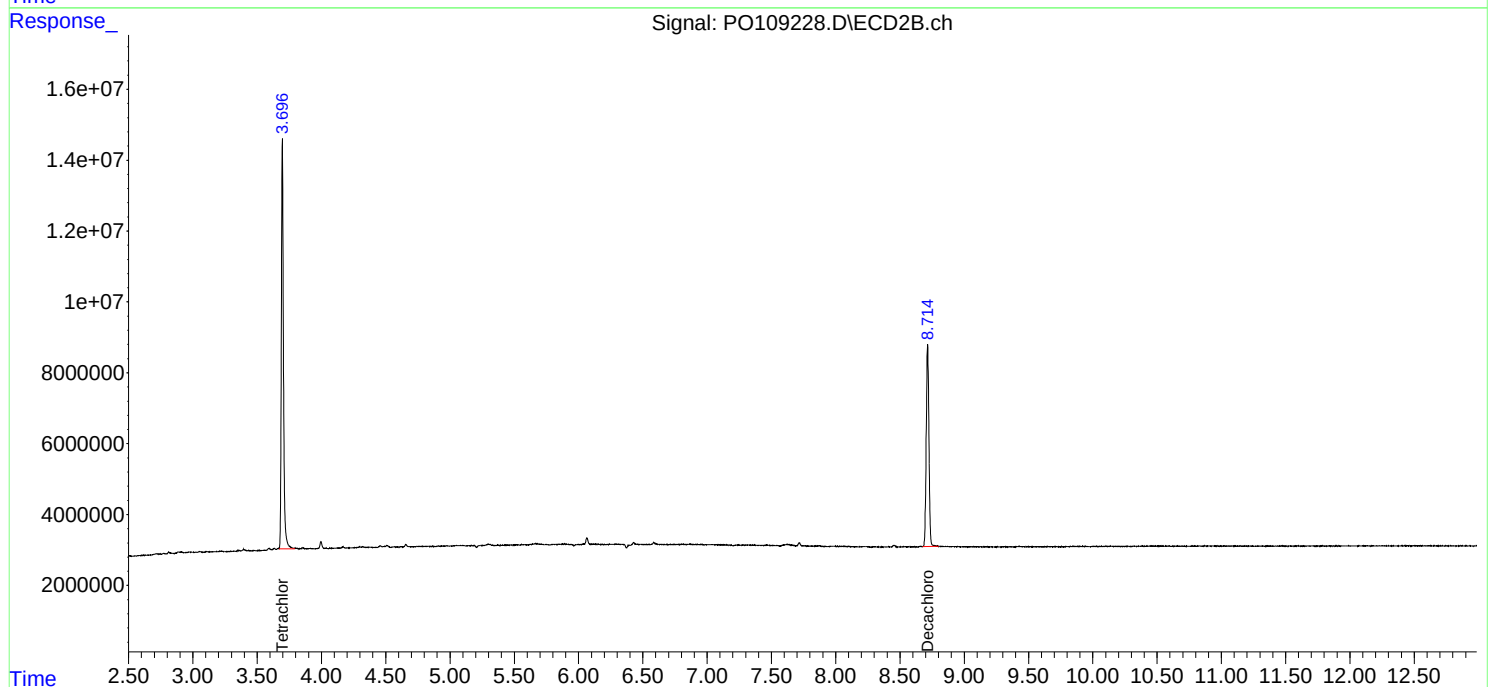
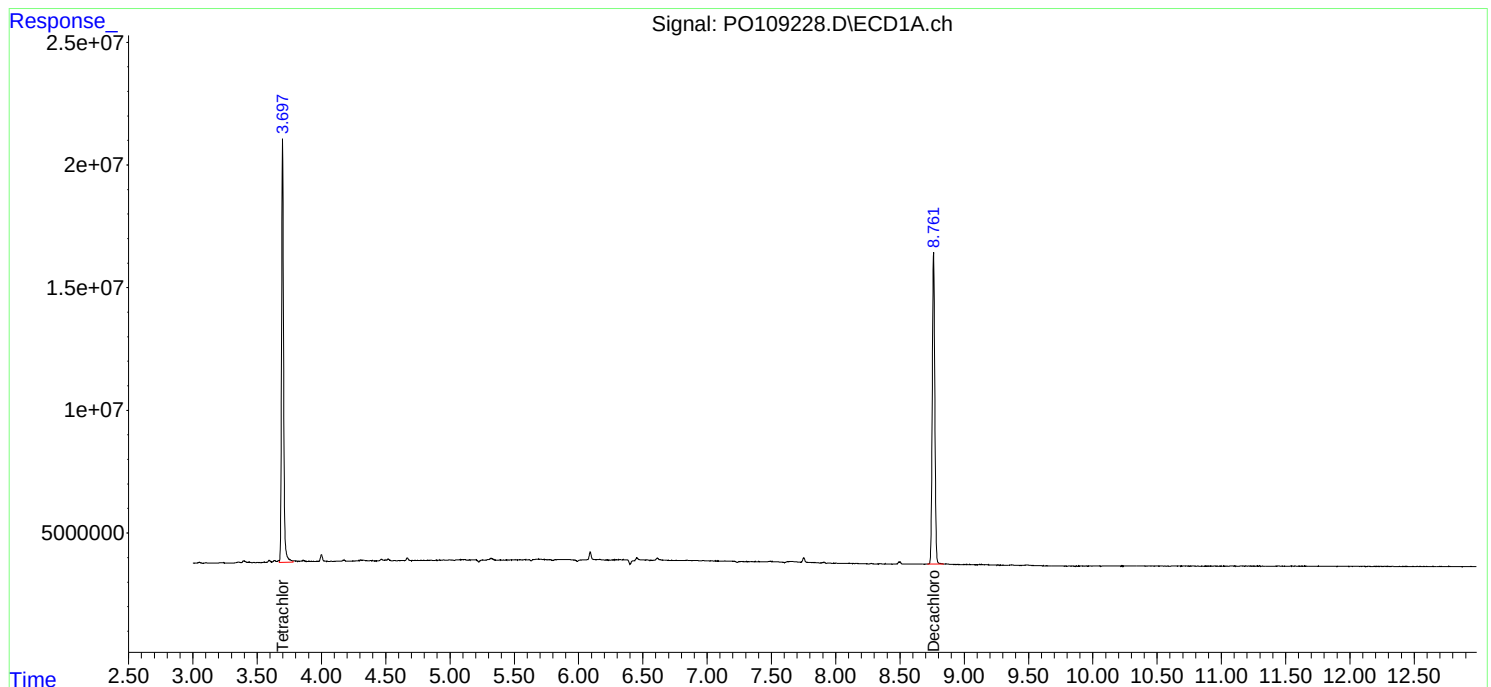
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

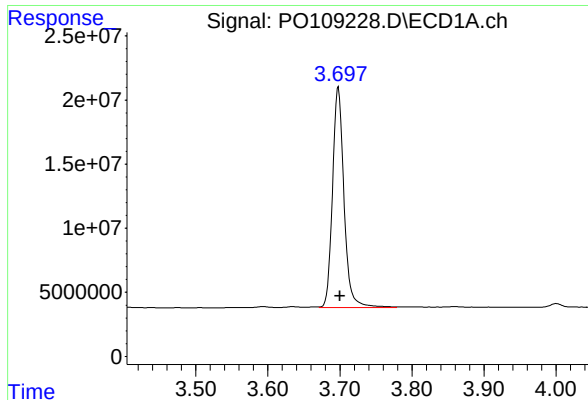
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:04
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:30:36 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

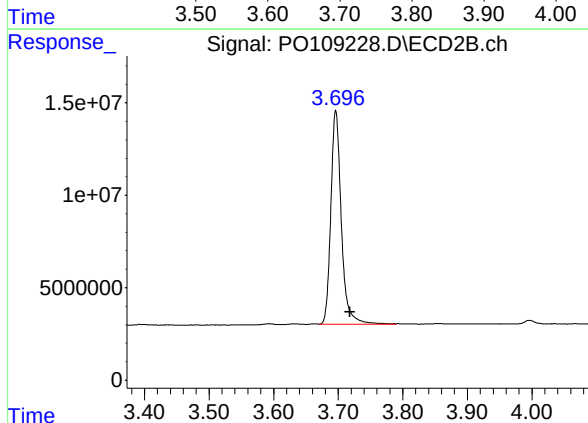




#1 Tetrachloro-m-xylene

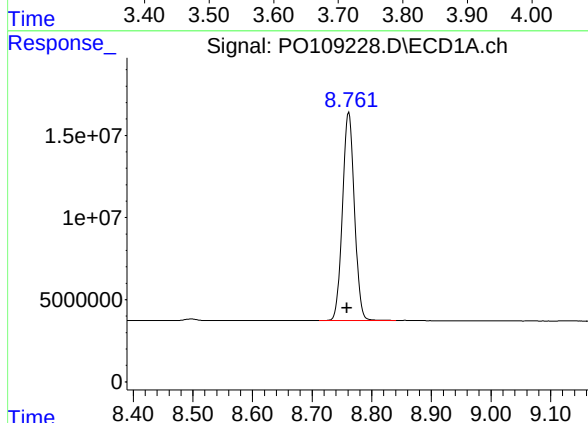
R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 190289431
Conc: 25.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



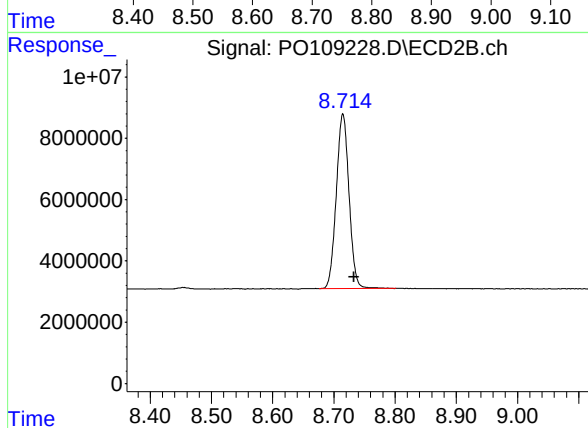
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 130133646
Conc: 24.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.762 min
Delta R.T.: 0.003 min
Response: 176173260
Conc: 25.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.018 min
Response: 82400526
Conc: 23.96 ng/ml

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	PIBLK-PO109243.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PO109243.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109243.D	1		01/29/25	Po012925

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	23.7		60 - 140	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 140	118%	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\PO012925\
 Data File : PO109243.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 18:02
 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 30 04:02:39 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	186.2E6	126.9E6	24.648	23.677
2) SA Decachlor...	8.762	8.713	174.9E6	81149709	25.253	23.599

Target Compounds

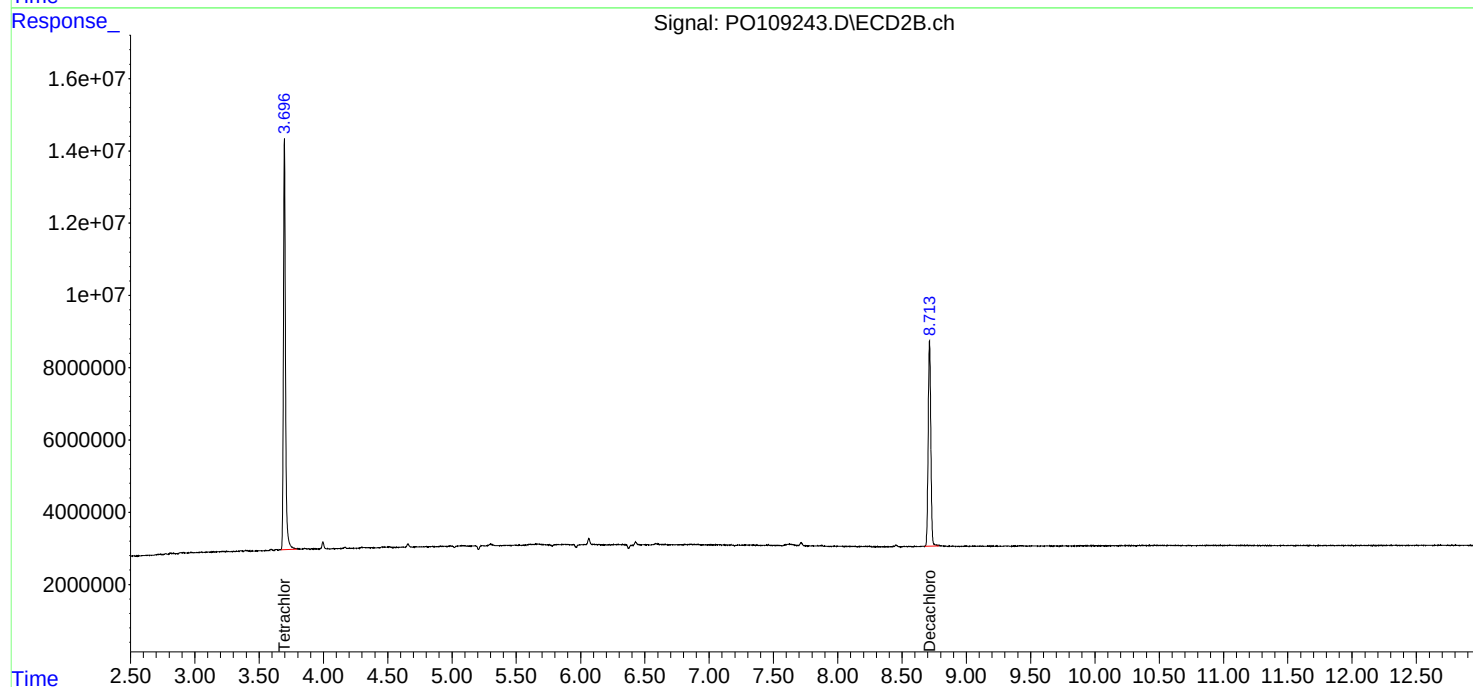
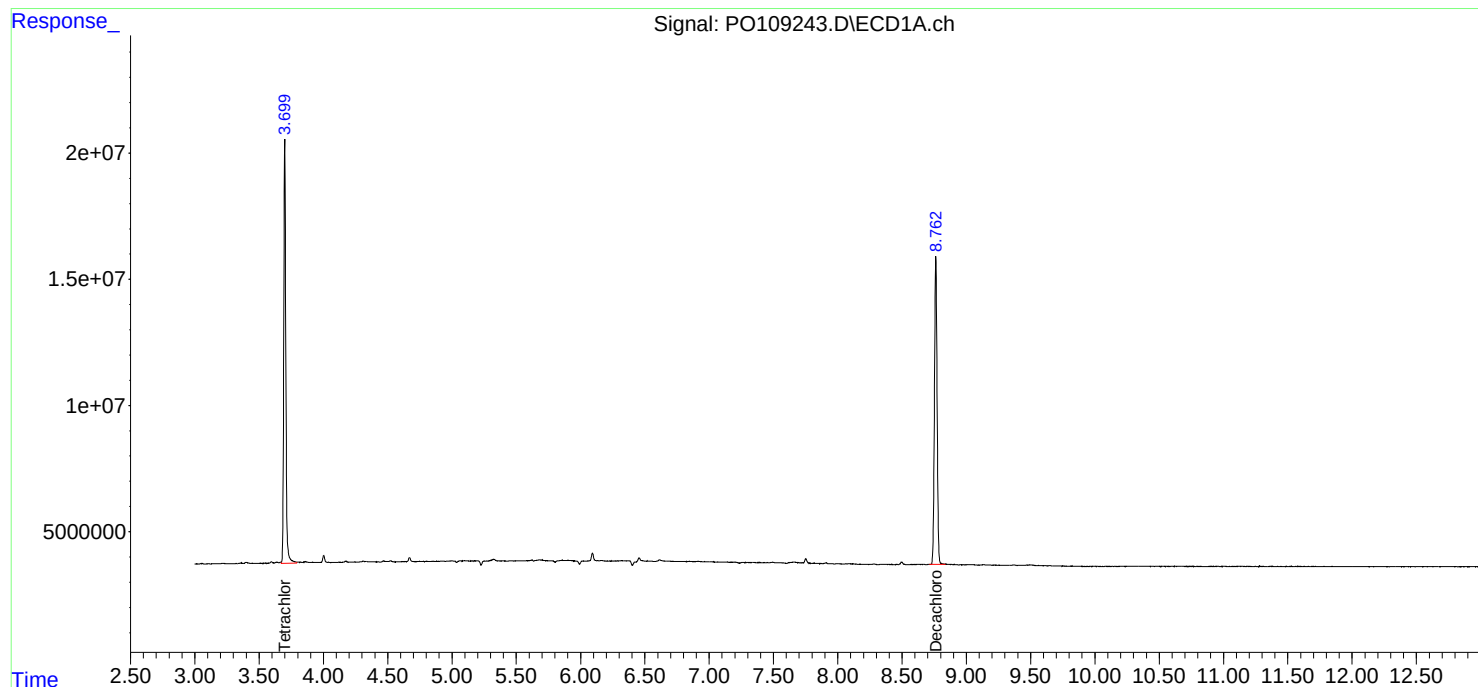
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

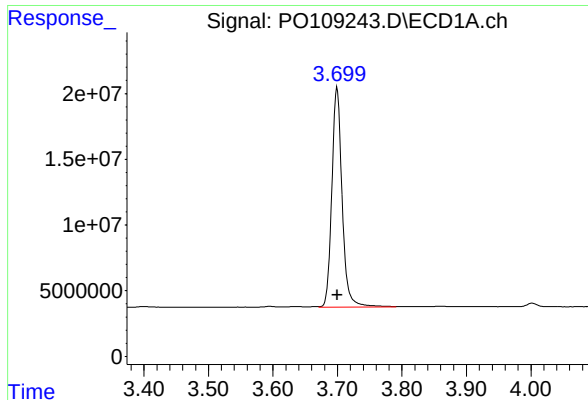
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 18:02
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:02:39 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

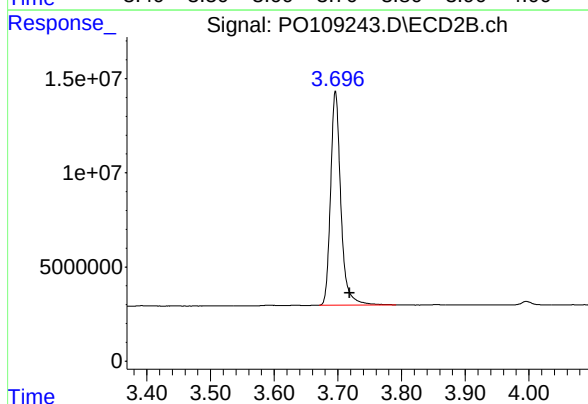




#1 Tetrachloro-m-xylene

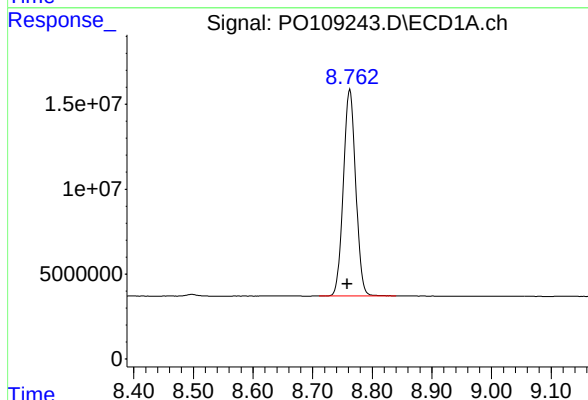
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 186247138
Conc: 24.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



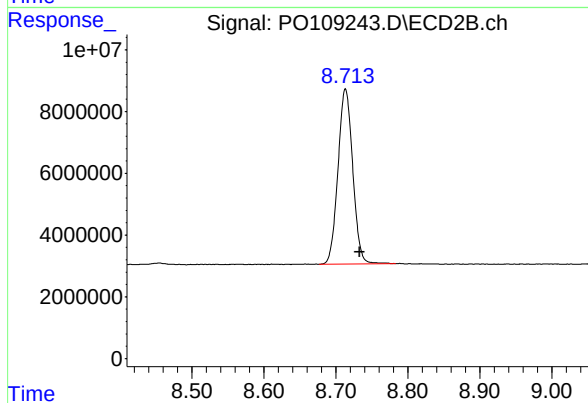
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 126914638
Conc: 23.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.762 min
Delta R.T.: 0.004 min
Response: 174943516
Conc: 25.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.713 min
Delta R.T.: -0.020 min
Response: 81149709
Conc: 23.60 ng/ml

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:	PIBLK-PO109258.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PO109258.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109258.D	1		01/30/25	Po012925

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	23.4		60 - 140	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		60 - 140	94%	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\PO012925\
Data File : PO109258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 01:59
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 30 04:06:20 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	177.0E6	127.9E6	23.427	23.858
2) SA Decachlor...	8.760	8.710	130.6E6	70687315	18.859	20.556

Target Compounds

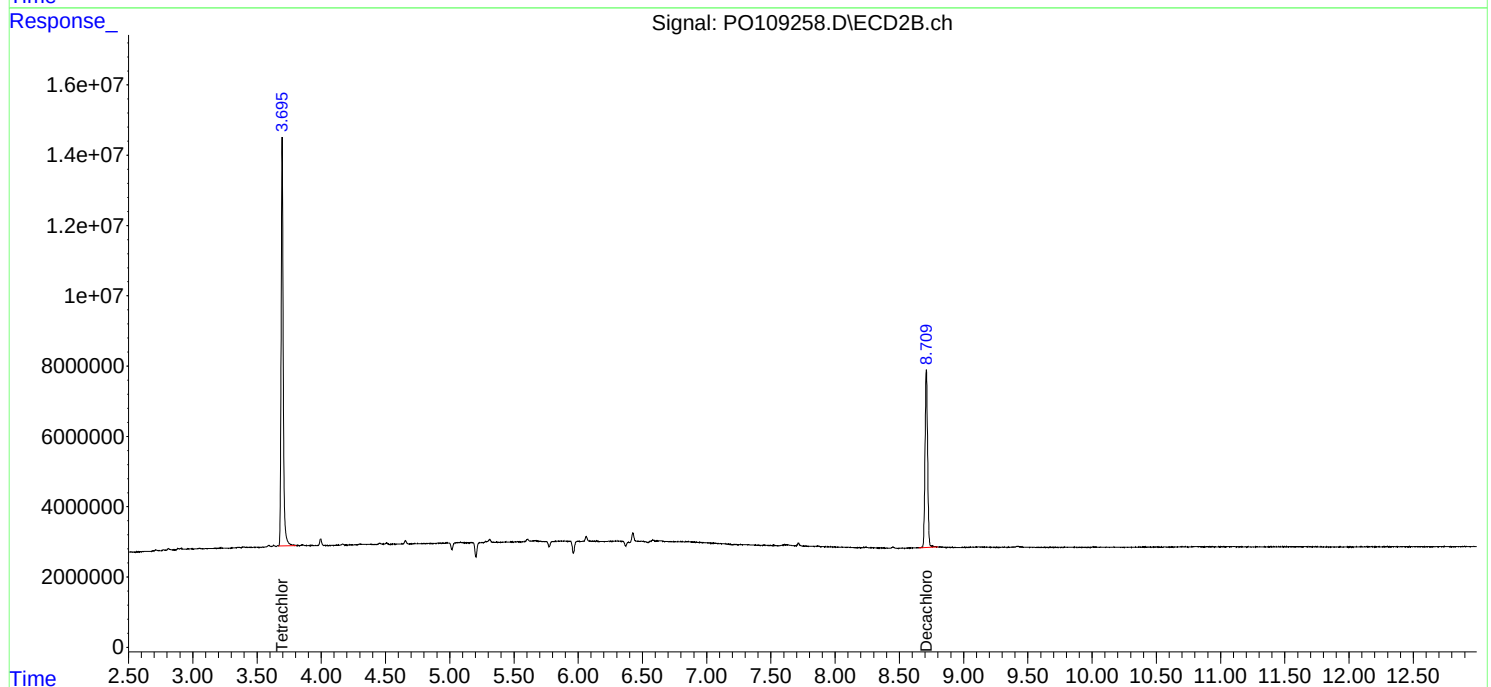
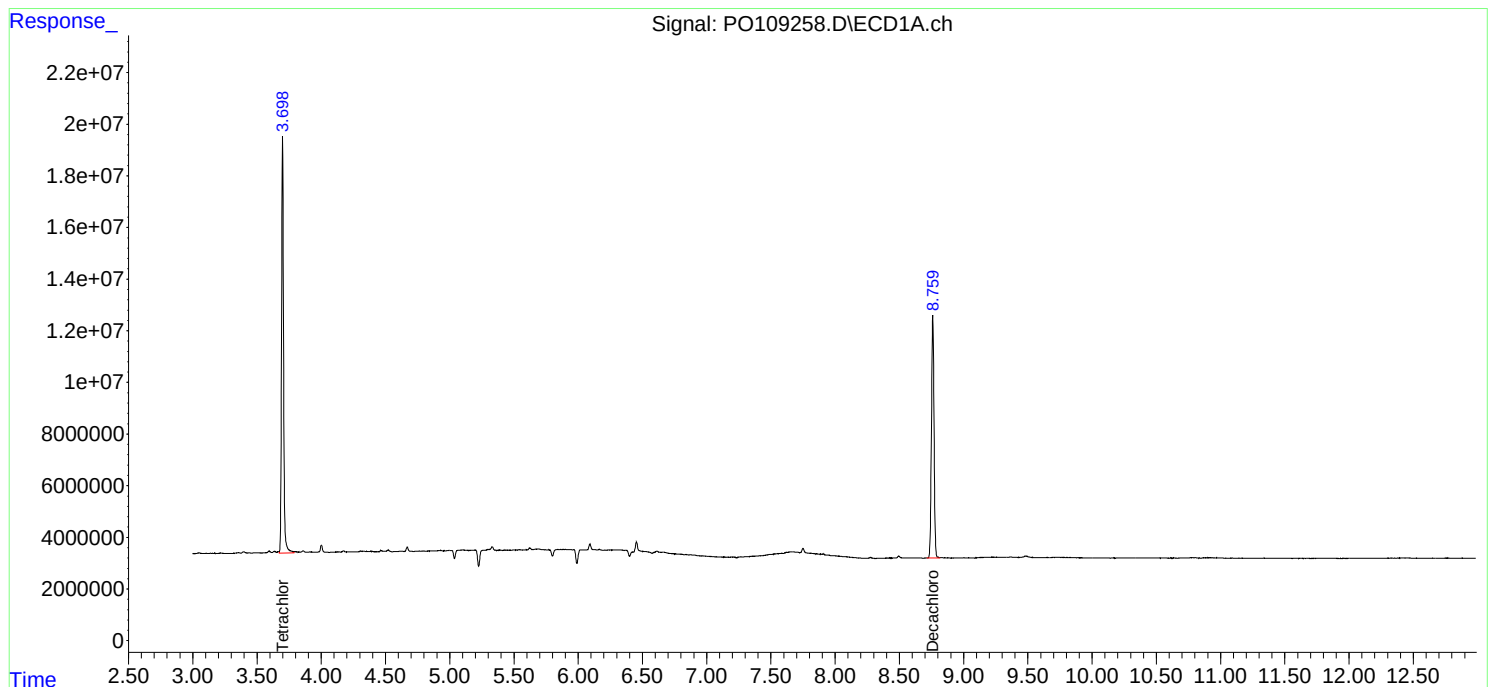
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

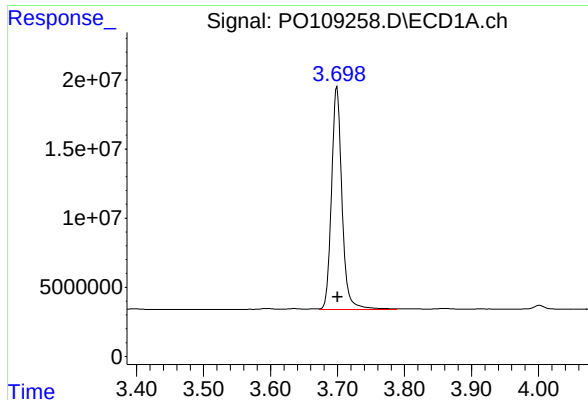
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 01:59
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:06:20 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

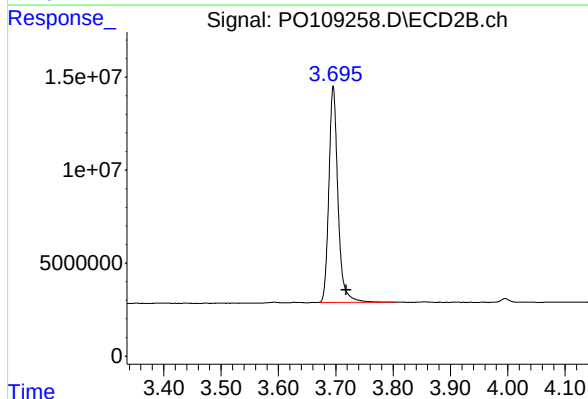




#1 Tetrachloro-m-xylene

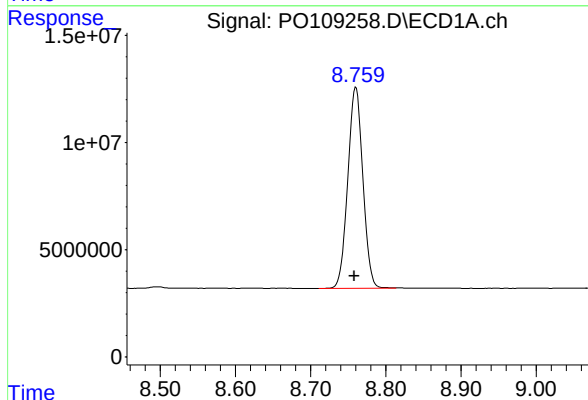
R.T.: 3.699 min
Delta R.T.: 0.000 min
Response: 177022995
Conc: 23.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



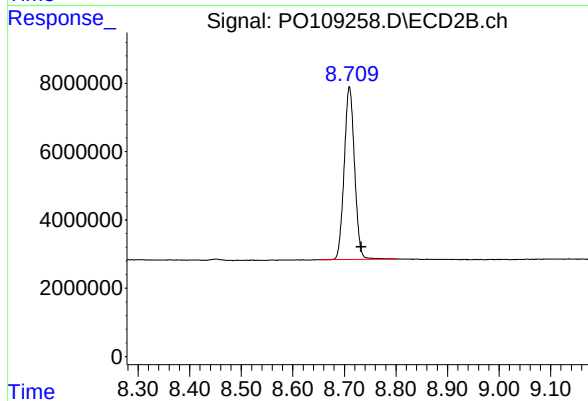
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 127888075
Conc: 23.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.760 min
Delta R.T.: 0.002 min
Response: 130649450
Conc: 18.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.710 min
Delta R.T.: -0.023 min
Response: 70687315
Conc: 20.56 ng/ml

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166333BS	SDG No.:	Q1206
Lab Sample ID:	PB166333BS	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
PO109238.D	1	01/29/25 08:55	01/29/25 16:02	PB166333

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	169		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	159		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.9		32 - 144	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.7		32 - 175	129%	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\PO012925\
 Data File : PO109238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 16:02
 Operator : YP/AJ
 Sample : PB166333BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB166333BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 29 16:12:42 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	180.8E6	124.1E6	23.932	23.146m
2) SA Decachlor...	8.761	8.712	178.1E6	82501044	25.712	23.992
Target Compounds						
3) L1 AR-1016-1	4.793	4.780	130.9E6	87810672	518.857	542.316m
4) L1 AR-1016-2	4.813	4.799	176.6E6	113.3E6	512.040	475.601m
5) L1 AR-1016-3	4.869	4.976	124.0E6	63849197	508.126	489.724m
6) L1 AR-1016-4	4.990	5.017	97604396	52427015	511.475	474.373m
7) L1 AR-1016-5	5.247	5.230	102.6E6	67155013	491.325	467.839m
31) L7 AR-1260-1	6.290	6.265	197.7E6	126.4E6	518.695	501.441
32) L7 AR-1260-2	6.478	6.452	240.3E6	147.8E6	511.654	491.325
33) L7 AR-1260-3	6.848	6.605	174.3E6	138.4E6	445.096	497.063
34) L7 AR-1260-4	7.109	7.077	163.2E6	96124984	455.917	425.989m
35) L7 AR-1260-5	7.350	7.318	383.3E6	218.8E6	459.233	436.912

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 16:02
Operator : YP/AJ
Sample : PB166333BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB166333BS

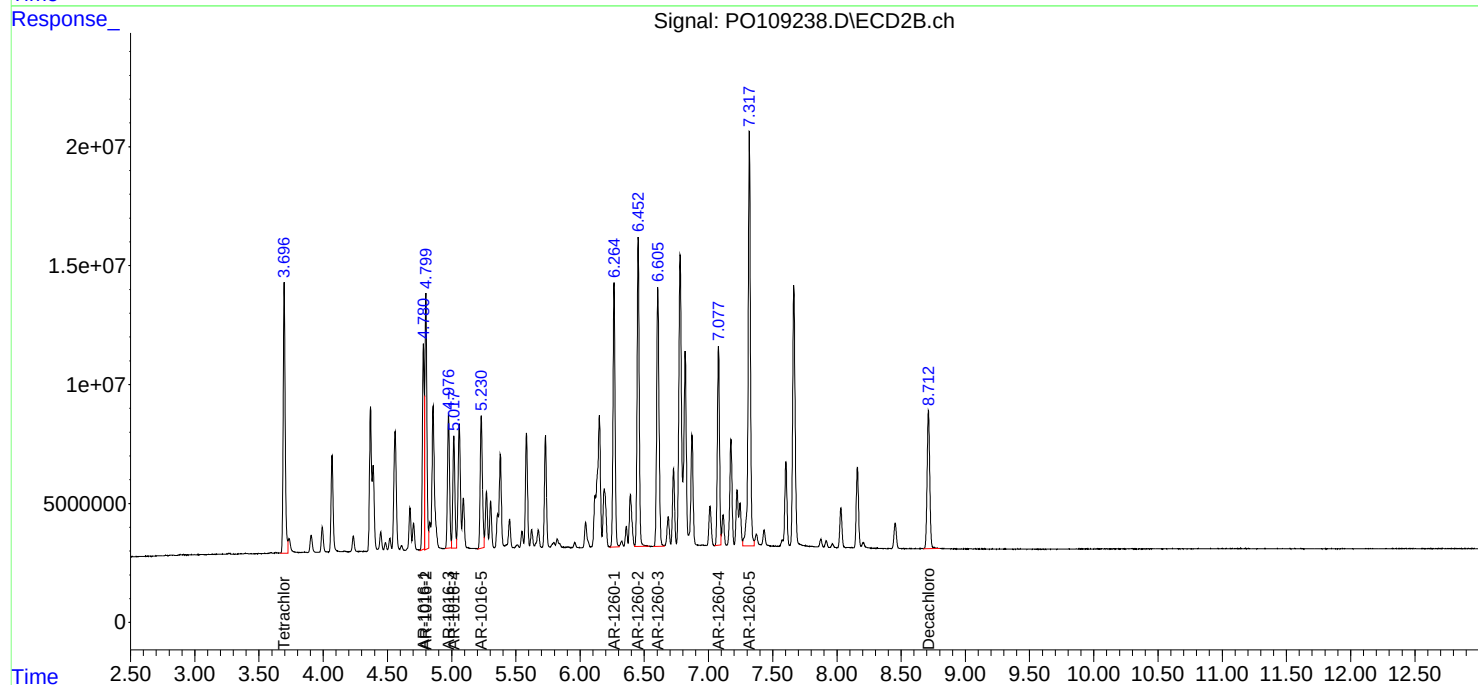
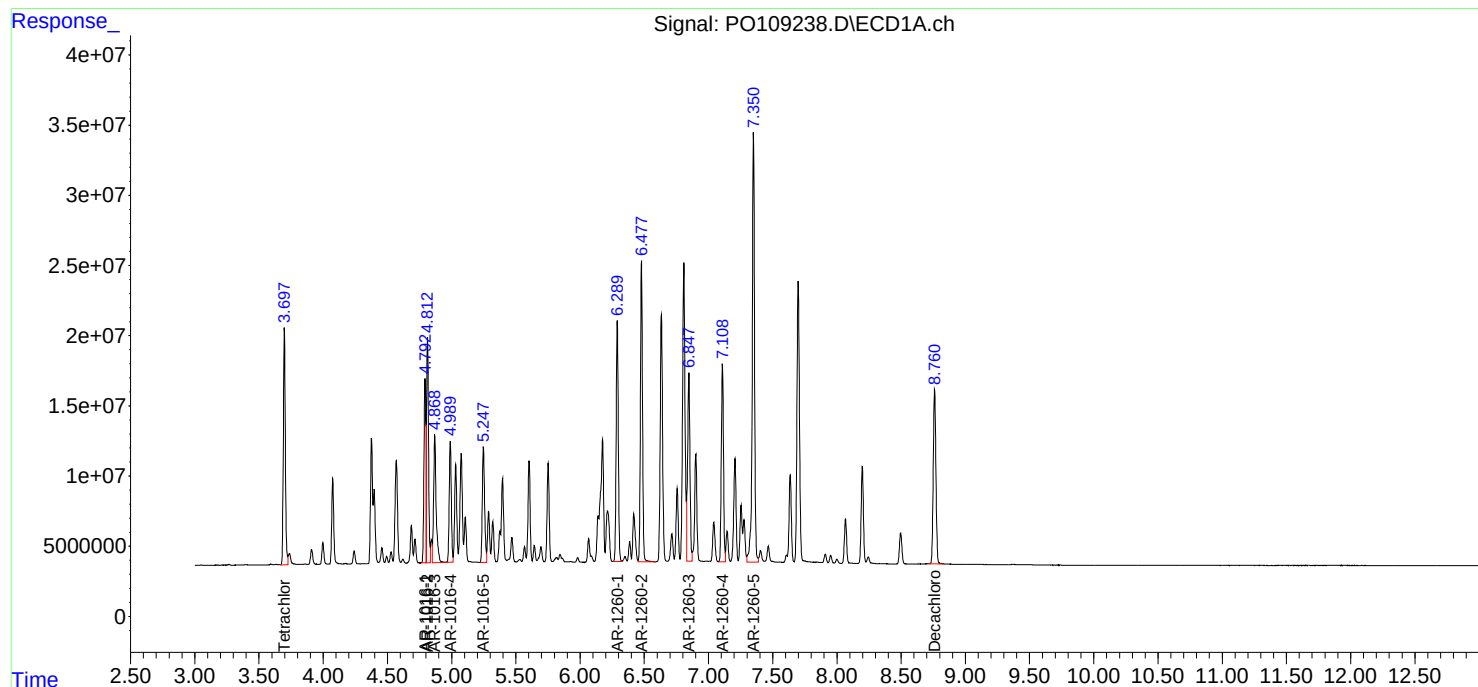
Manual Integrations

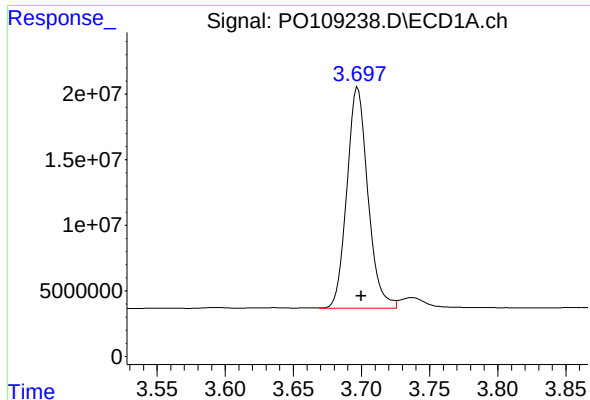
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:12:42 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





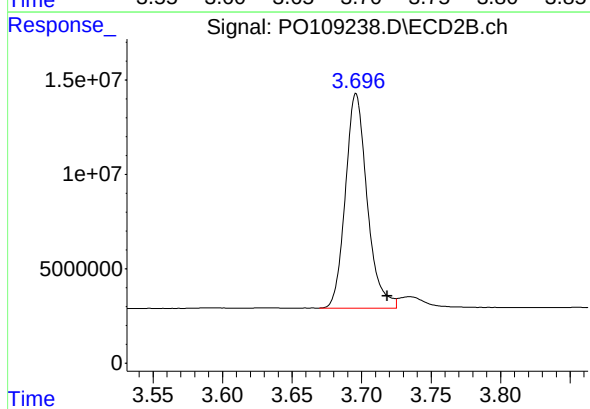
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.003 min
Response: 180842404
Conc: 23.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166333BS

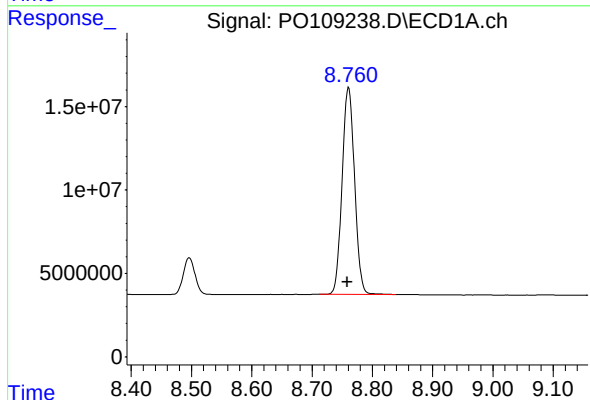
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



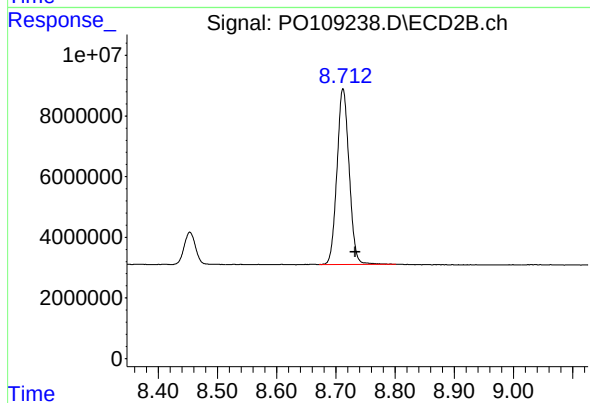
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 124068545
Conc: 23.15 ng/ml



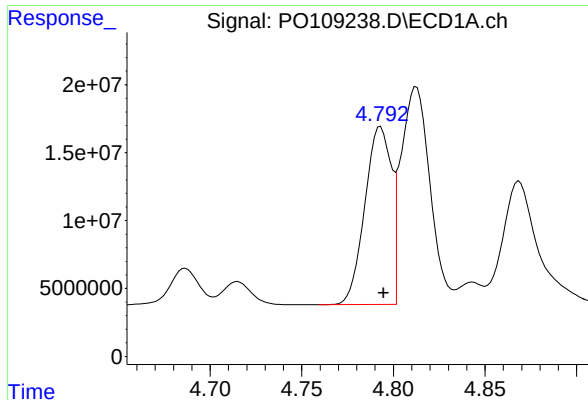
#2 Decachlorobiphenyl

R.T.: 8.761 min
Delta R.T.: 0.003 min
Response: 178125075
Conc: 25.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.712 min
Delta R.T.: -0.021 min
Response: 82501044
Conc: 23.99 ng/ml



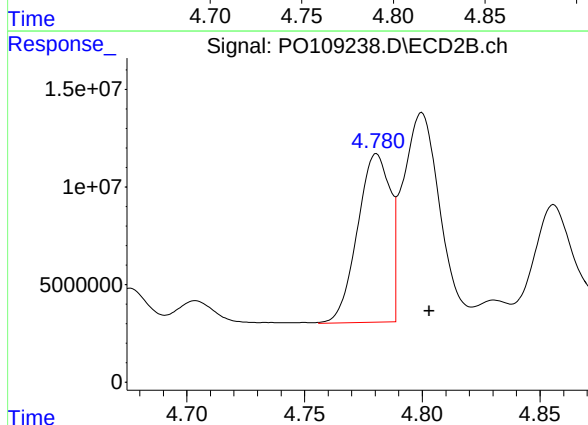
#3 AR-1016-1

R.T.: 4.793 min
Delta R.T.: -0.002 min
Response: 130900716
Conc: 518.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166333BS

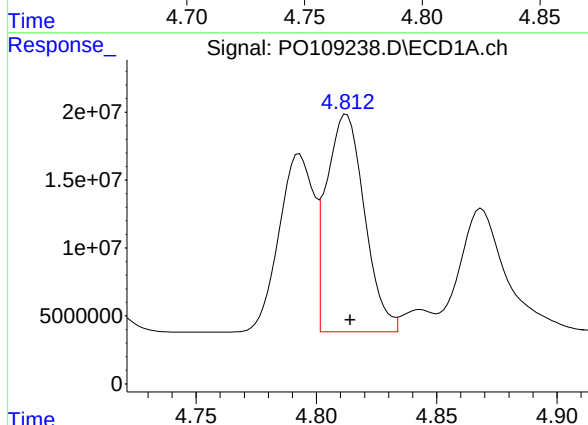
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



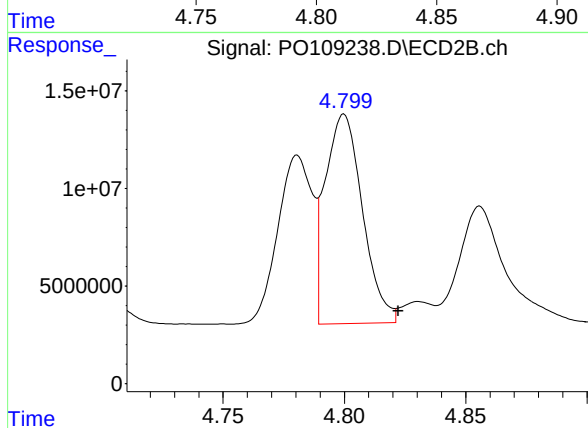
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: -0.023 min
Response: 87810672
Conc: 542.32 ng/ml m



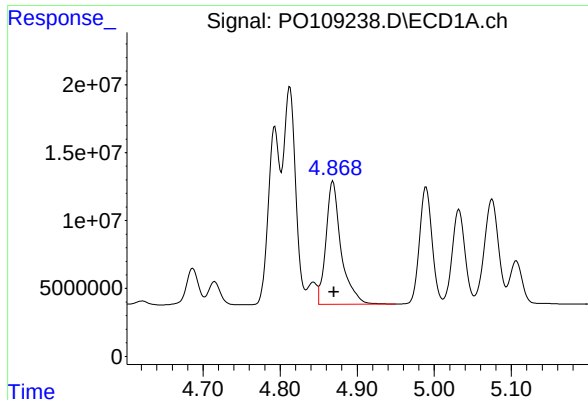
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: -0.002 min
Response: 176594926
Conc: 512.04 ng/ml



#4 AR-1016-2

R.T.: 4.799 min
Delta R.T.: -0.023 min
Response: 113305489
Conc: 475.60 ng/ml m



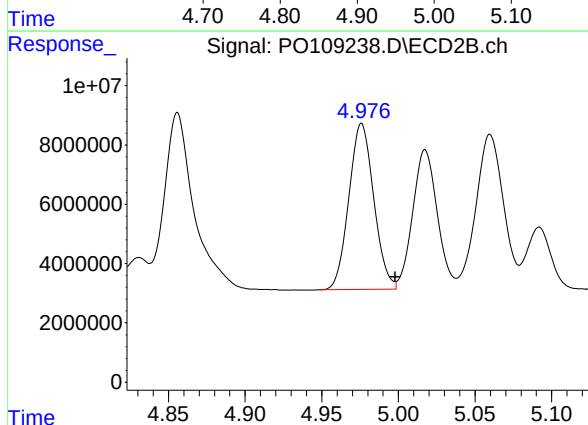
#5 AR-1016-3

R.T.: 4.869 min
Delta R.T.: -0.001 min
Response: 124041895
Conc: 508.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166333BS

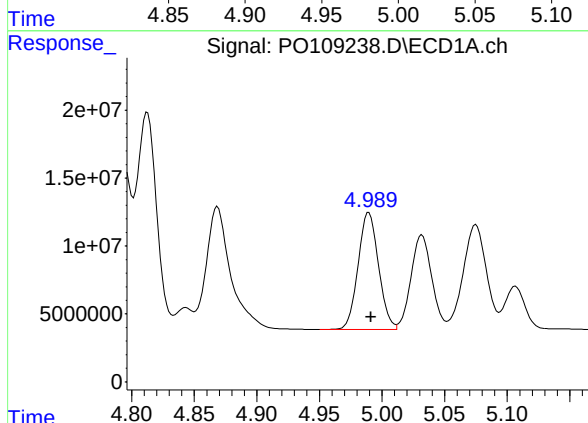
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



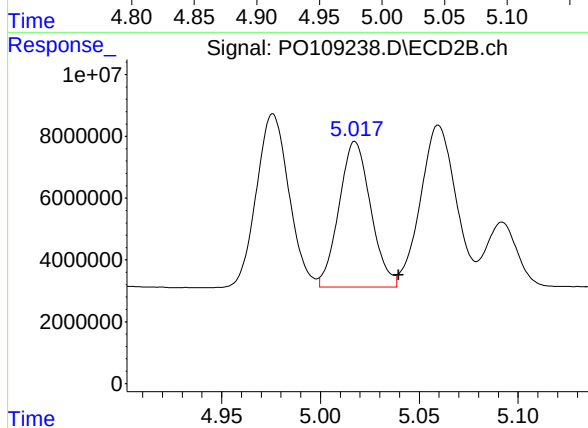
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 63849197
Conc: 489.72 ng/ml m



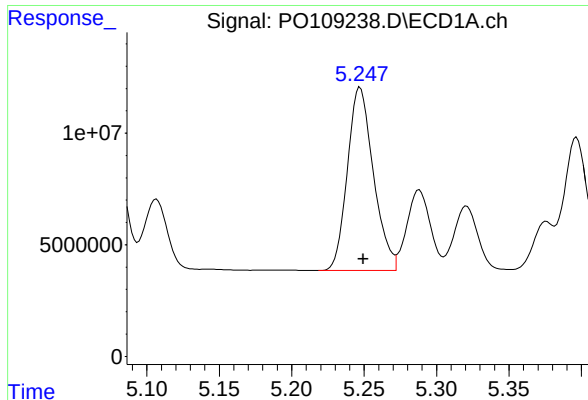
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: -0.002 min
Response: 97604396
Conc: 511.48 ng/ml



#6 AR-1016-4

R.T.: 5.017 min
Delta R.T.: -0.023 min
Response: 52427015
Conc: 474.37 ng/ml m



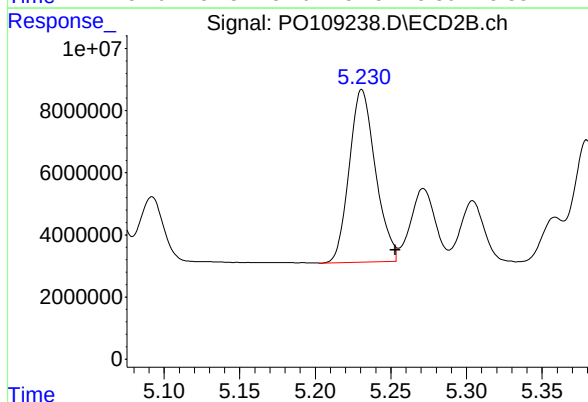
#7 AR-1016-5

R.T.: 5.247 min
 Delta R.T.: -0.002 min
 Response: 102569862
 Conc: 491.33 ng/ml

Instrument :
 ECD_O
 ClientSampleId :
 PB166333BS

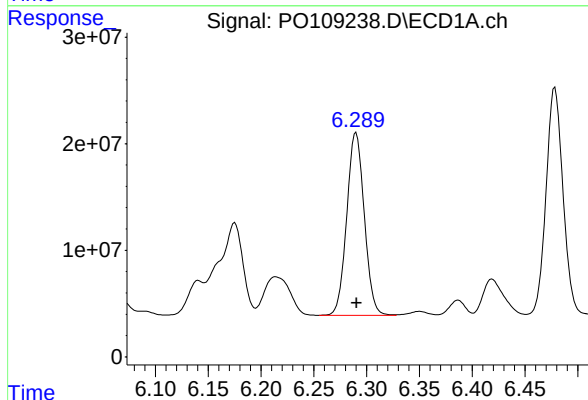
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025



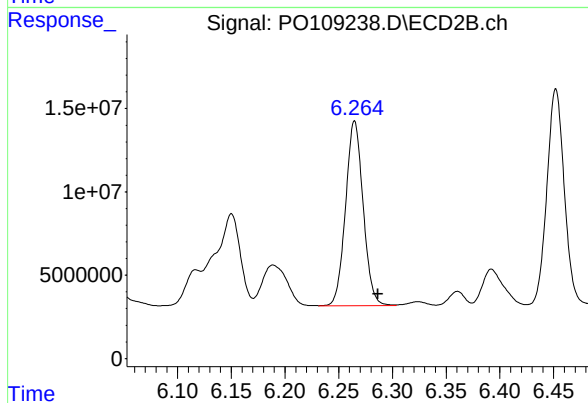
#7 AR-1016-5

R.T.: 5.230 min
 Delta R.T.: -0.022 min
 Response: 67155013
 Conc: 467.84 ng/ml



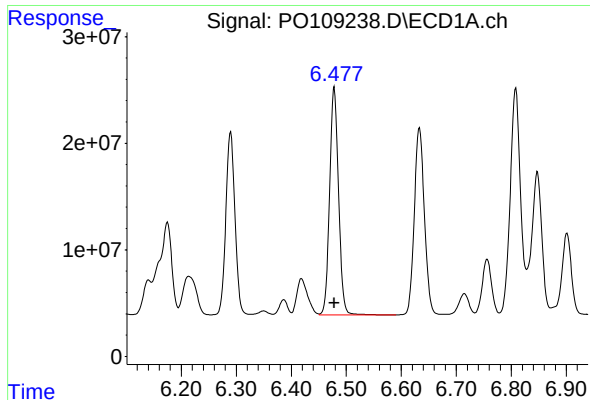
#31 AR-1260-1

R.T.: 6.290 min
 Delta R.T.: 0.000 min
 Response: 197703380
 Conc: 518.69 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
 Delta R.T.: -0.022 min
 Response: 126387537
 Conc: 501.44 ng/ml



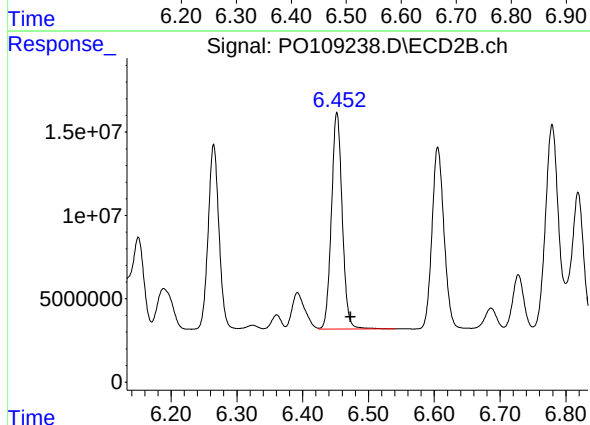
#32 AR-1260-2

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 240262574
Conc: 511.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166333BS

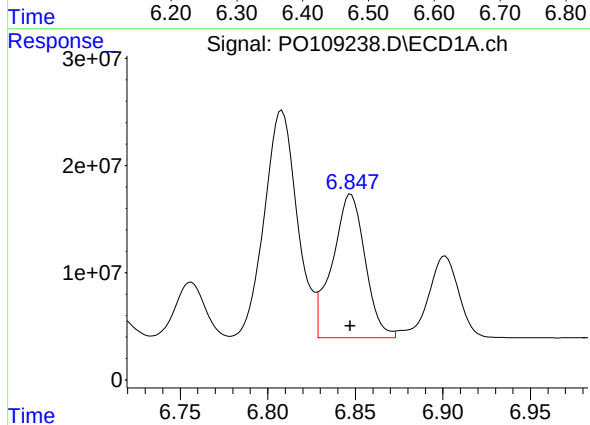
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



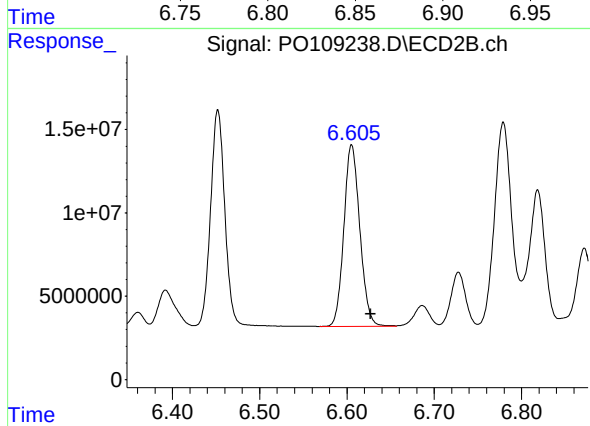
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 147792863
Conc: 491.33 ng/ml



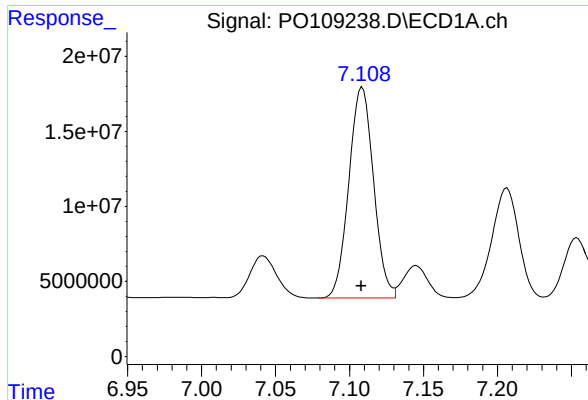
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 174282698
Conc: 445.10 ng/ml



#33 AR-1260-3

R.T.: 6.605 min
Delta R.T.: -0.022 min
Response: 138375493
Conc: 497.06 ng/ml



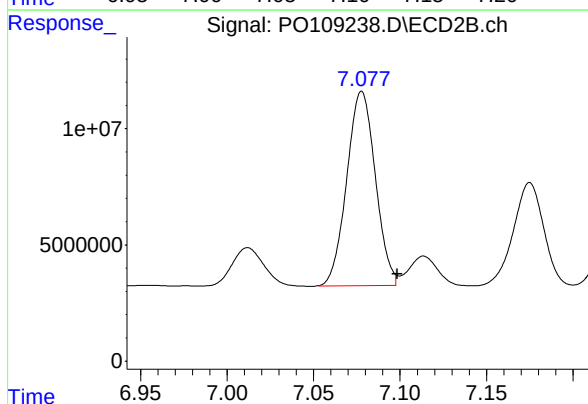
#34 AR-1260-4

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 163199035
Conc: 455.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166333BS

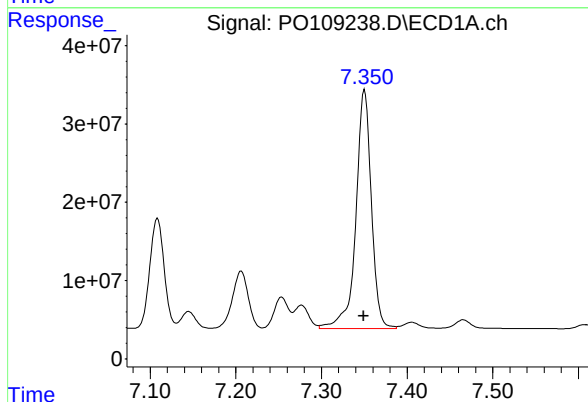
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



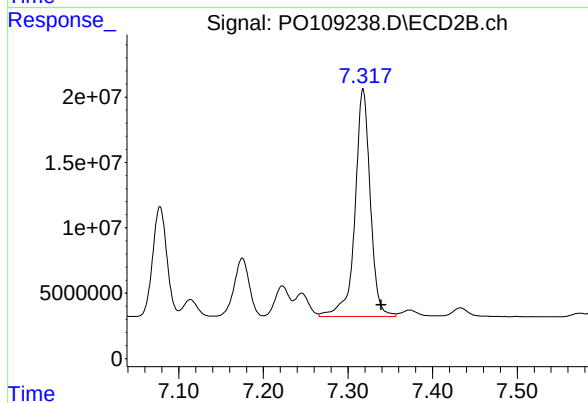
#34 AR-1260-4

R.T.: 7.077 min
Delta R.T.: -0.021 min
Response: 96124984
Conc: 425.99 ng/ml



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.001 min
Response: 383274180
Conc: 459.23 ng/ml



#35 AR-1260-5

R.T.: 7.318 min
Delta R.T.: -0.021 min
Response: 218753376
Conc: 436.91 ng/ml

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	VNJ-236MS	SDG No.:	Q1206
Lab Sample ID:	Q1205-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	87.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109245.D	1	01/29/25 08:55	01/29/25 18:37	PB166333

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	182		3.90	19.5	ug/kg
11104-28-2	Aroclor-1221	19.5	U	7.30	19.5	ug/kg
11141-16-5	Aroclor-1232	19.5	U	3.90	19.5	ug/kg
53469-21-9	Aroclor-1242	19.5	U	3.90	19.5	ug/kg
12672-29-6	Aroclor-1248	19.5	U	9.00	19.5	ug/kg
11097-69-1	Aroclor-1254	19.5	U	3.10	19.5	ug/kg
37324-23-5	Aroclor-1262	19.5	U	5.20	19.5	ug/kg
11100-14-4	Aroclor-1268	19.5	U	3.90	19.5	ug/kg
11096-82-5	Aroclor-1260	177		3.30	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		32 - 175	80%	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\P0012925\
 Data File : P0109245.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 18:37
 Operator : YP/AJ
 Sample : Q1205-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

VNJ-236MS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 30 04:03:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0012125.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	147.5E6	101.1E6	19.525m	18.855m
2) SA Decachlor...	8.761	8.712	111.3E6	54111403	16.069m	15.736
Target Compounds						
3) L1 AR-1016-1	4.793	4.780	125.1E6	71201517	495.817	439.738m
4) L1 AR-1016-2	4.812	4.800	166.7E6	113.1E6	483.440	474.561m
5) L1 AR-1016-3	4.868	4.976	118.4E6	61055127	484.824	468.294m
6) L1 AR-1016-4	4.990	5.017	90467731	52255298	474.077	472.819m
7) L1 AR-1016-5	5.247	5.231	94507435	63642203	452.705	443.367m
31) L7 AR-1260-1	6.290	6.265	189.6E6	123.3E6	497.502	489.188
32) L7 AR-1260-2	6.480	6.452	244.1E6	155.0E6	519.752	515.300m
33) L7 AR-1260-3	6.848	6.606	154.7E6	126.7E6	395.077	455.057
34) L7 AR-1260-4	7.110	7.078	169.2E6	104.8E6	472.712	464.326m
35) L7 AR-1260-5	7.350	7.318	342.2E6	200.2E6	410.046	399.919

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 18:37
Operator : YP/AJ
Sample : Q1205-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

VNJ-236MS

Manual Integrations

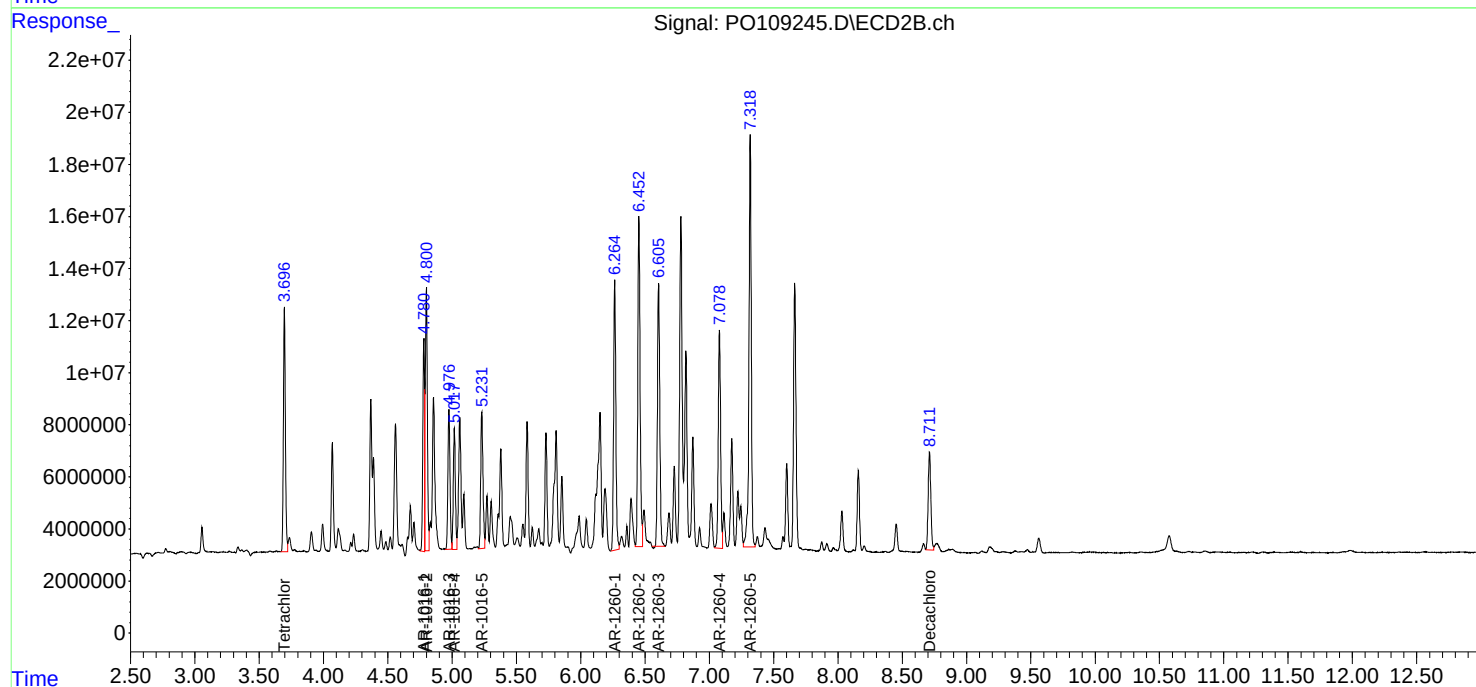
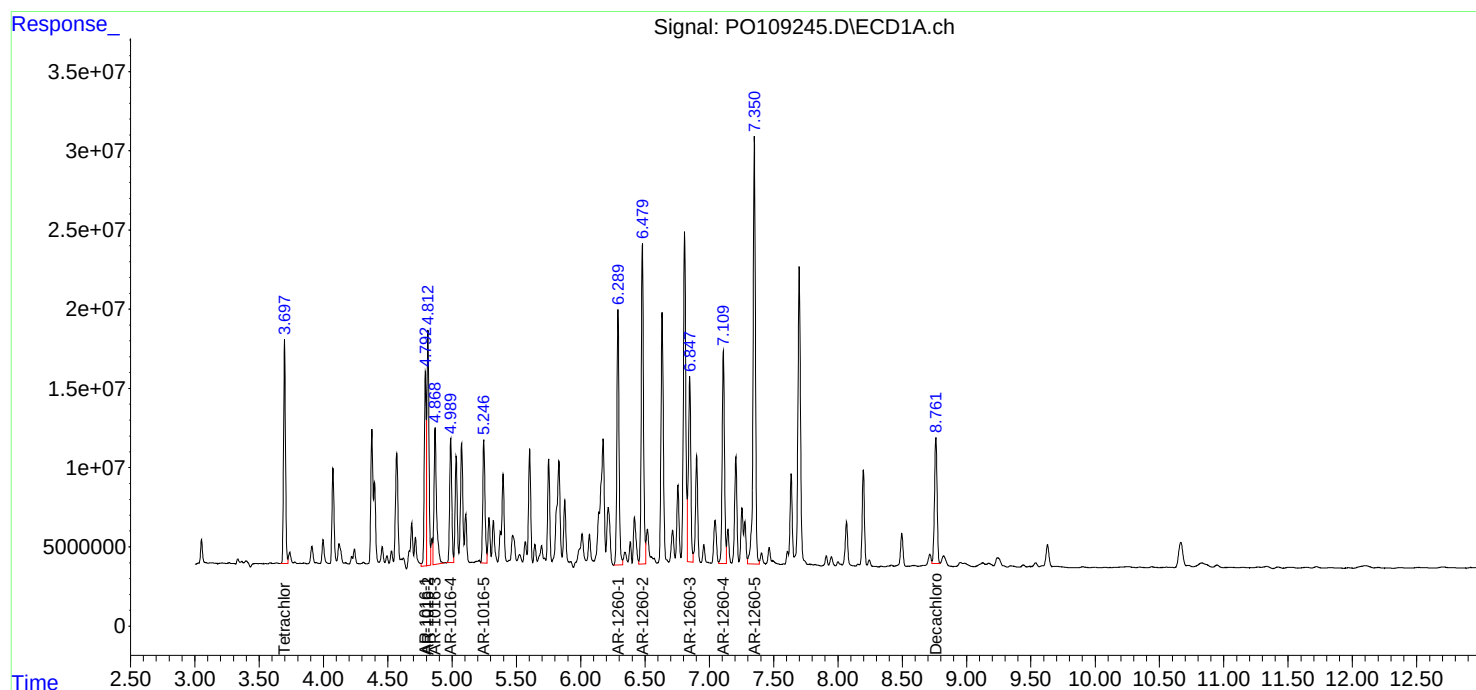
APPROVED

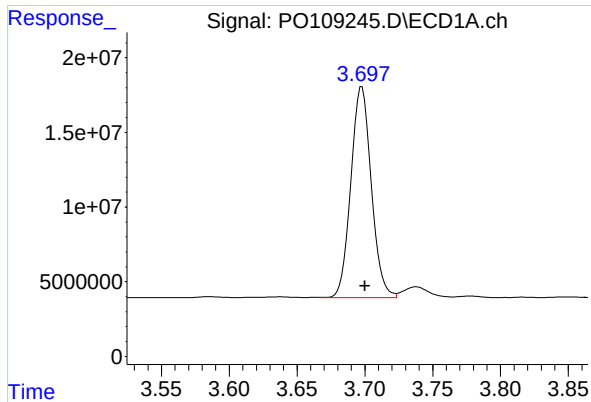
Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:03:09 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





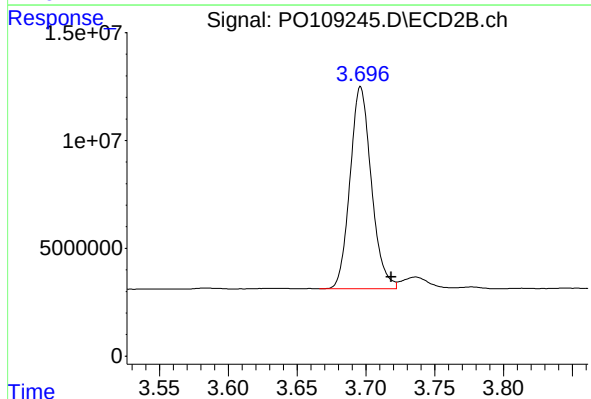
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
 Delta R.T.: -0.003 min
 Response: 147538884
 Conc: 19.52 ng/ml

Instrument :
 ECD_O
 ClientSampleId :
 VNJ-236MS

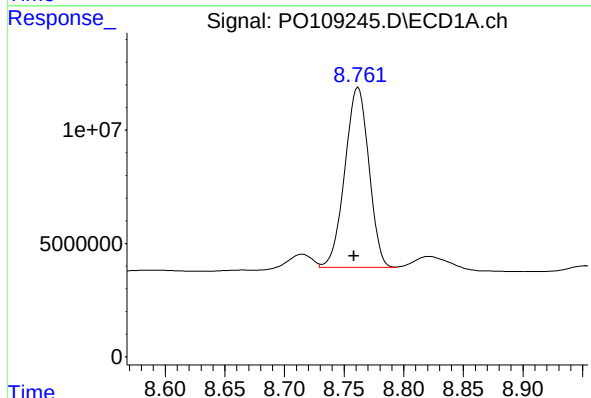
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025



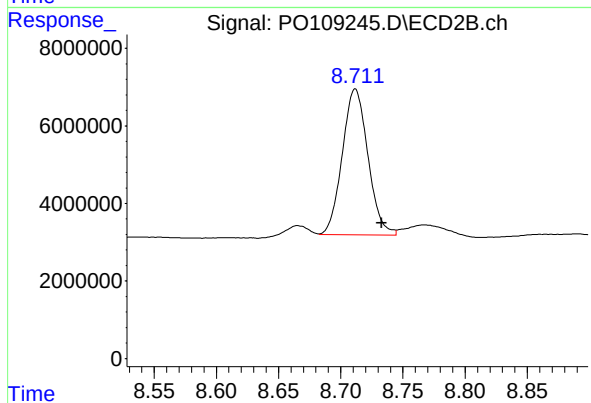
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
 Delta R.T.: -0.023 min
 Response: 101070197
 Conc: 18.86 ng/ml m



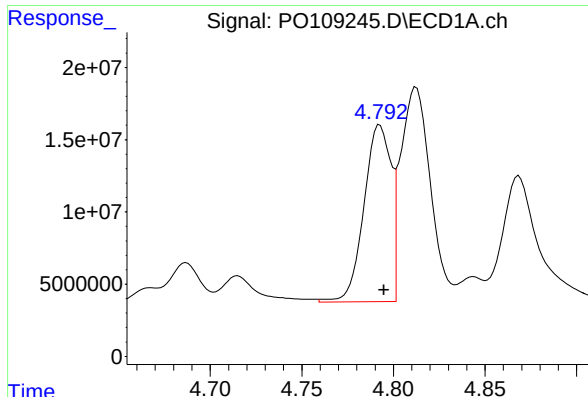
#2 Decachlorobiphenyl

R.T.: 8.761 min
 Delta R.T.: 0.003 min
 Response: 111319739
 Conc: 16.07 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.712 min
 Delta R.T.: -0.021 min
 Response: 54111403
 Conc: 15.74 ng/ml



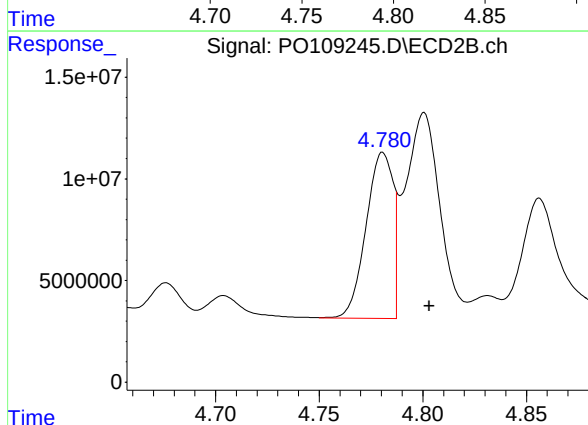
#3 AR-1016-1

R.T.: 4.793 min
Delta R.T.: -0.002 min
Response: 125087902
Conc: 495.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MS

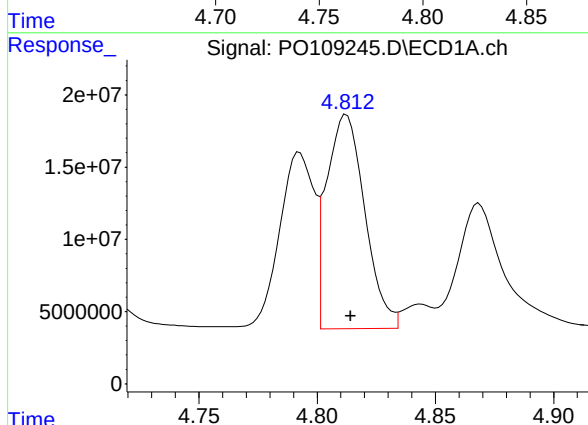
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



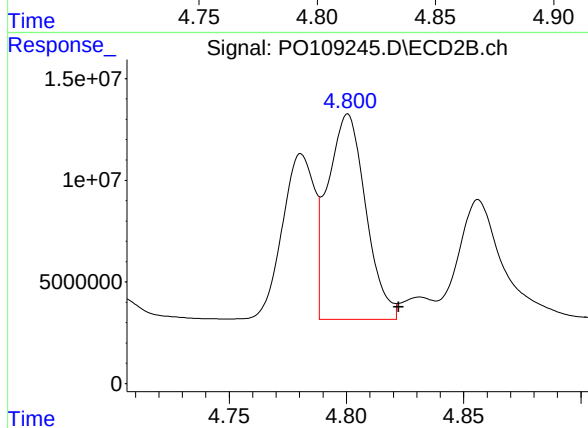
#3 AR-1016-1

R.T.: 4.780 min
Delta R.T.: -0.023 min
Response: 71201517
Conc: 439.74 ng/ml



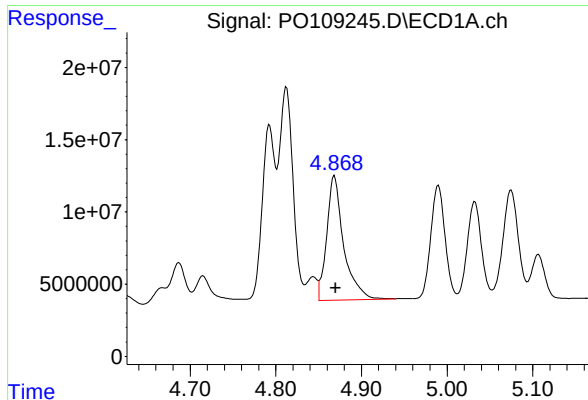
#4 AR-1016-2

R.T.: 4.812 min
Delta R.T.: -0.002 min
Response: 166731040
Conc: 483.44 ng/ml



#4 AR-1016-2

R.T.: 4.800 min
Delta R.T.: -0.022 min
Response: 113057614
Conc: 474.56 ng/ml



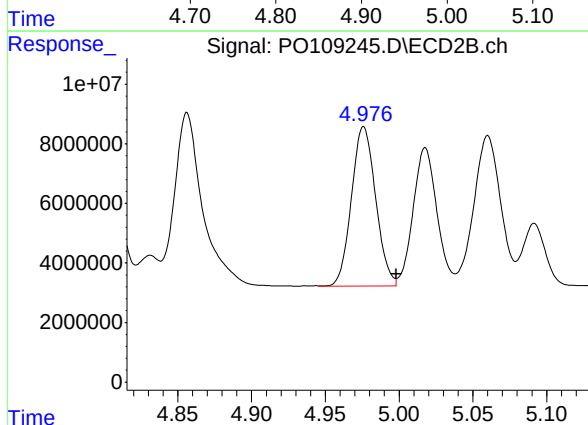
#5 AR-1016-3

R.T.: 4.868 min
Delta R.T.: -0.002 min
Response: 118353639
Conc: 484.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MS

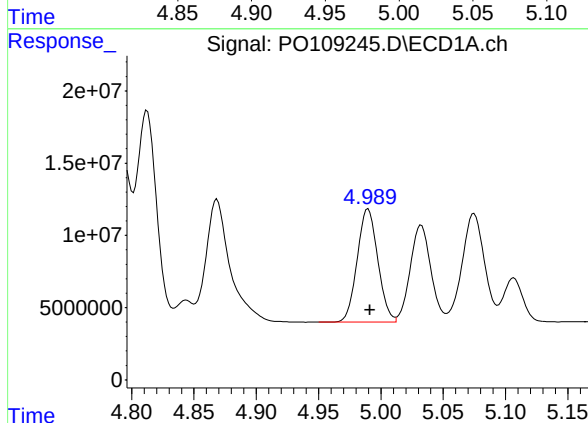
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



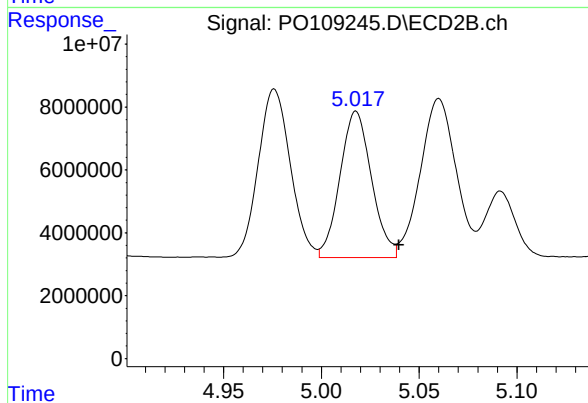
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 61055127
Conc: 468.29 ng/ml



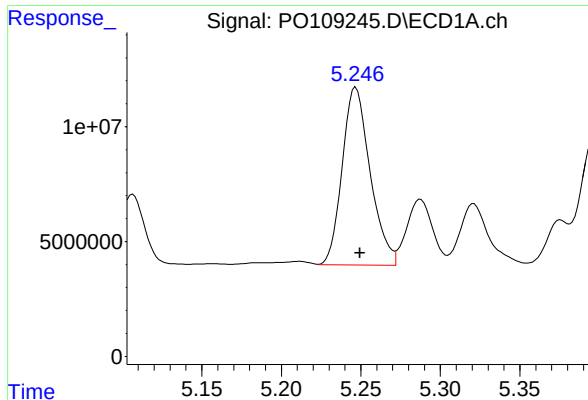
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: -0.001 min
Response: 90467731
Conc: 474.08 ng/ml



#6 AR-1016-4

R.T.: 5.017 min
Delta R.T.: -0.022 min
Response: 52255298
Conc: 472.82 ng/ml



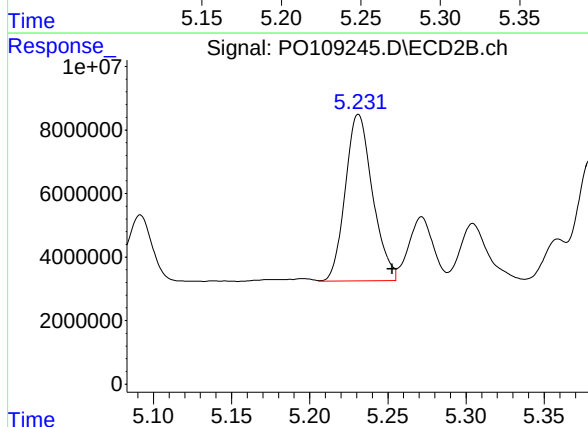
#7 AR-1016-5

R.T.: 5.247 min
Delta R.T.: -0.003 min
Response: 94507435
Conc: 452.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MS

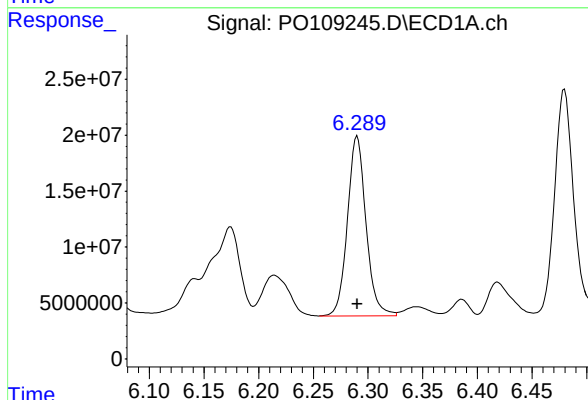
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



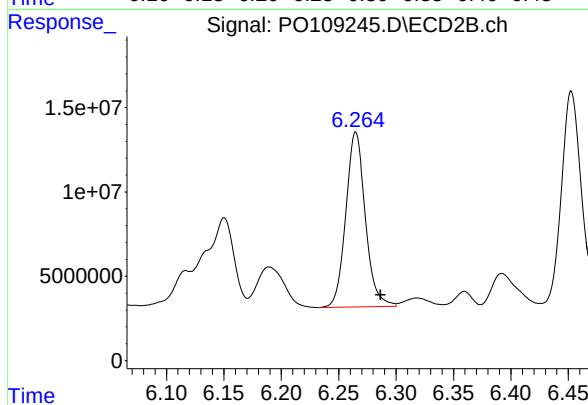
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 63642203
Conc: 443.37 ng/ml



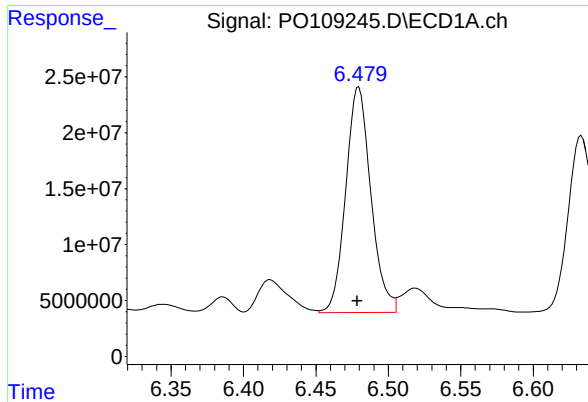
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 189625545
Conc: 497.50 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.022 min
Response: 123299152
Conc: 489.19 ng/ml



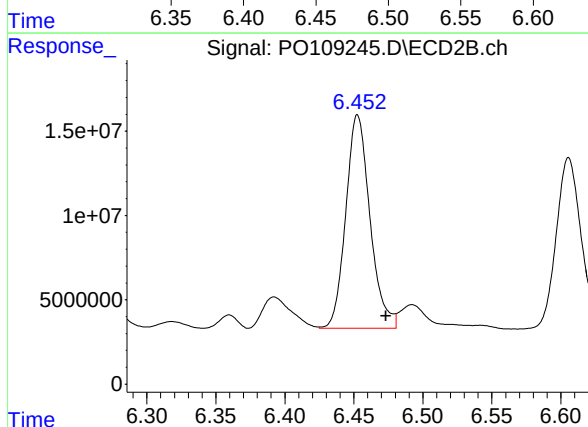
#32 AR-1260-2

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 244065552
Conc: 519.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MS

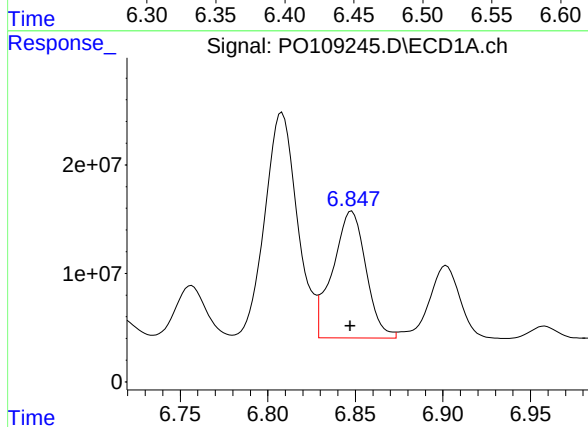
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



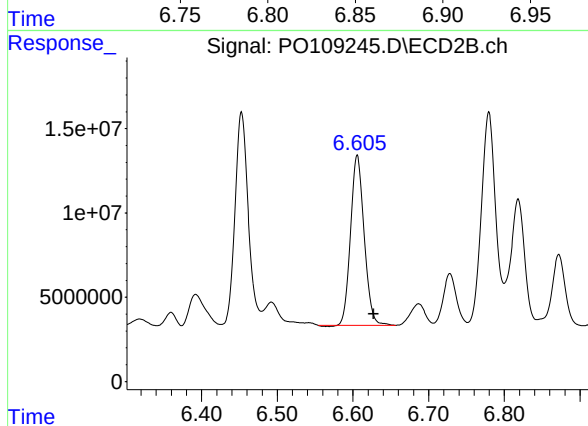
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 155004611
Conc: 515.30 ng/ml



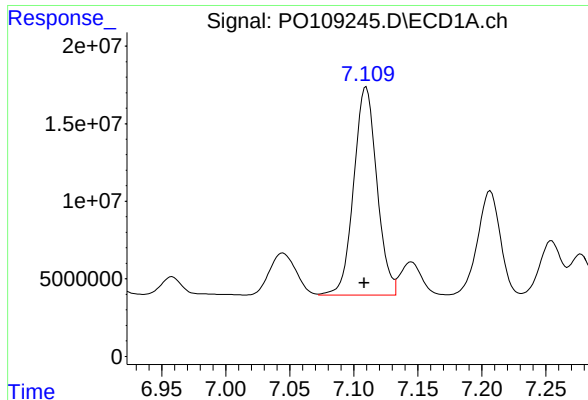
#33 AR-1260-3

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 154697000
Conc: 395.08 ng/ml



#33 AR-1260-3

R.T.: 6.606 min
Delta R.T.: -0.021 min
Response: 126681435
Conc: 455.06 ng/ml



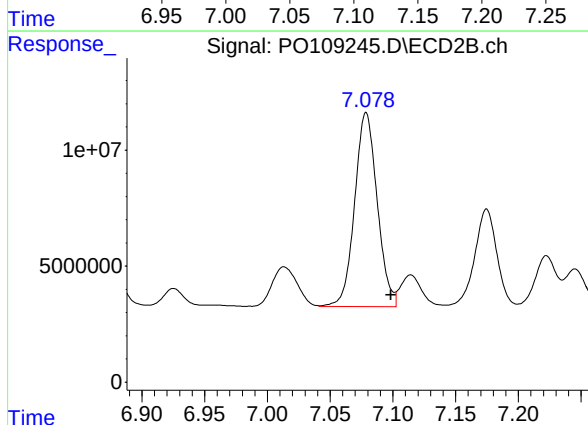
#34 AR-1260-4

R.T.: 7.110 min
Delta R.T.: 0.002 min
Response: 169210936
Conc: 472.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MS

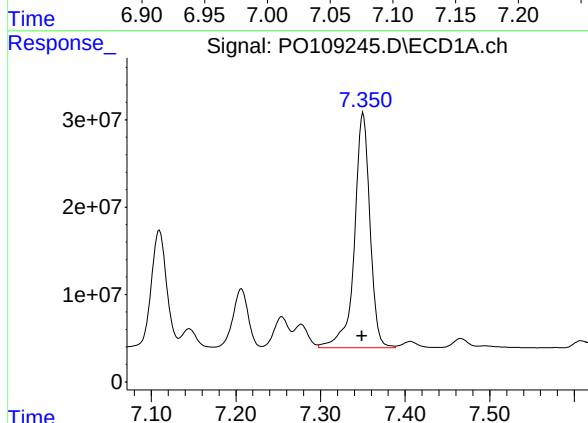
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



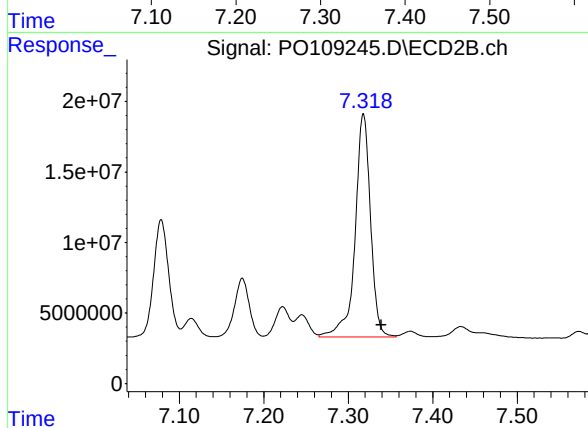
#34 AR-1260-4

R.T.: 7.078 min
Delta R.T.: -0.020 min
Response: 104775751
Conc: 464.33 ng/ml



#35 AR-1260-5

R.T.: 7.350 min
Delta R.T.: 0.001 min
Response: 342222322
Conc: 410.05 ng/ml



#35 AR-1260-5

R.T.: 7.318 min
Delta R.T.: -0.021 min
Response: 200231603
Conc: 399.92 ng/ml

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	VNJ-236MSD	SDG No.:	Q1206
Lab Sample ID:	Q1205-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	87.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109246.D	1	01/29/25 08:55	01/29/25 18:55	PB166333

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	178		3.90	19.4	ug/kg
11104-28-2	Aroclor-1221	19.4	U	7.30	19.4	ug/kg
11141-16-5	Aroclor-1232	19.4	U	3.90	19.4	ug/kg
53469-21-9	Aroclor-1242	19.4	U	3.90	19.4	ug/kg
12672-29-6	Aroclor-1248	19.4	U	9.00	19.4	ug/kg
11097-69-1	Aroclor-1254	19.4	U	3.10	19.4	ug/kg
37324-23-5	Aroclor-1262	19.4	U	5.20	19.4	ug/kg
11100-14-4	Aroclor-1268	19.4	U	3.90	19.4	ug/kg
11096-82-5	Aroclor-1260	174		3.30	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.5		32 - 175	77%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
 Data File : PO109246.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 18:55
 Operator : YP/AJ
 Sample : Q1205-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

VNJ-236MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 30 04:03:24 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	3.695	142.3E6	99114433	18.828m	18.490m
2) SA Decachlor...	8.759	8.711	107.0E6	53185113	15.446m	15.466
Target Compounds						
3) L1 AR-1016-1	4.793	4.781	122.3E6	80891555	484.761	499.584m
4) L1 AR-1016-2	4.813	4.800	164.3E6	109.9E6	476.288	461.177m
5) L1 AR-1016-3	4.869	4.976	116.3E6	60185889	476.419	461.627m
6) L1 AR-1016-4	4.990	5.018	88033533	51492685	461.321	465.919m
7) L1 AR-1016-5	5.247	5.231	91915164	62851023	440.288	437.855m
31) L7 AR-1260-1	6.290	6.265	186.5E6	122.5E6	489.233	486.160
32) L7 AR-1260-2	6.479	6.452	244.8E6	151.9E6	521.242	505.076m
33) L7 AR-1260-3	6.847	6.606	150.3E6	125.6E6	383.817	451.036m
34) L7 AR-1260-4	7.109	7.078	165.4E6	100.0E6	462.048	443.270m
35) L7 AR-1260-5	7.349	7.318	337.4E6	197.7E6	404.226	394.767

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 18:55
Operator : YP/AJ
Sample : Q1205-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

VNJ-236MSD

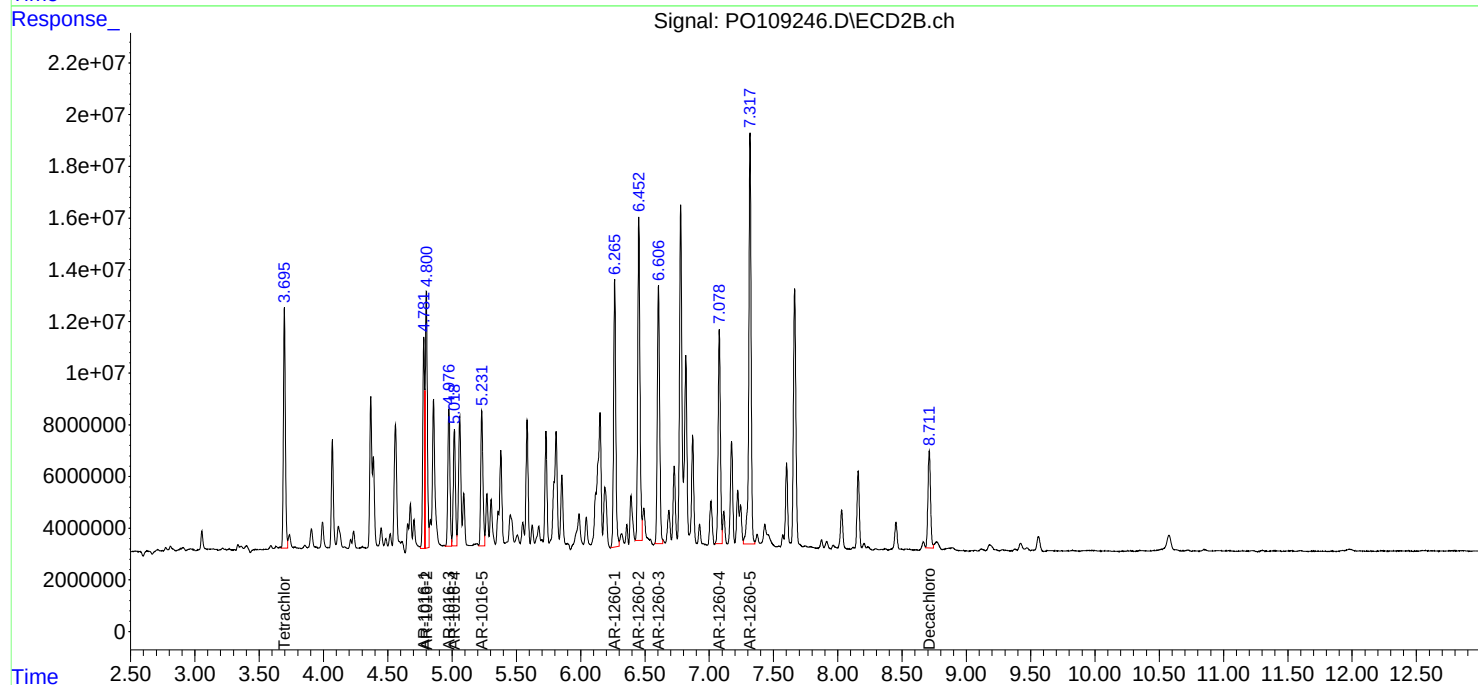
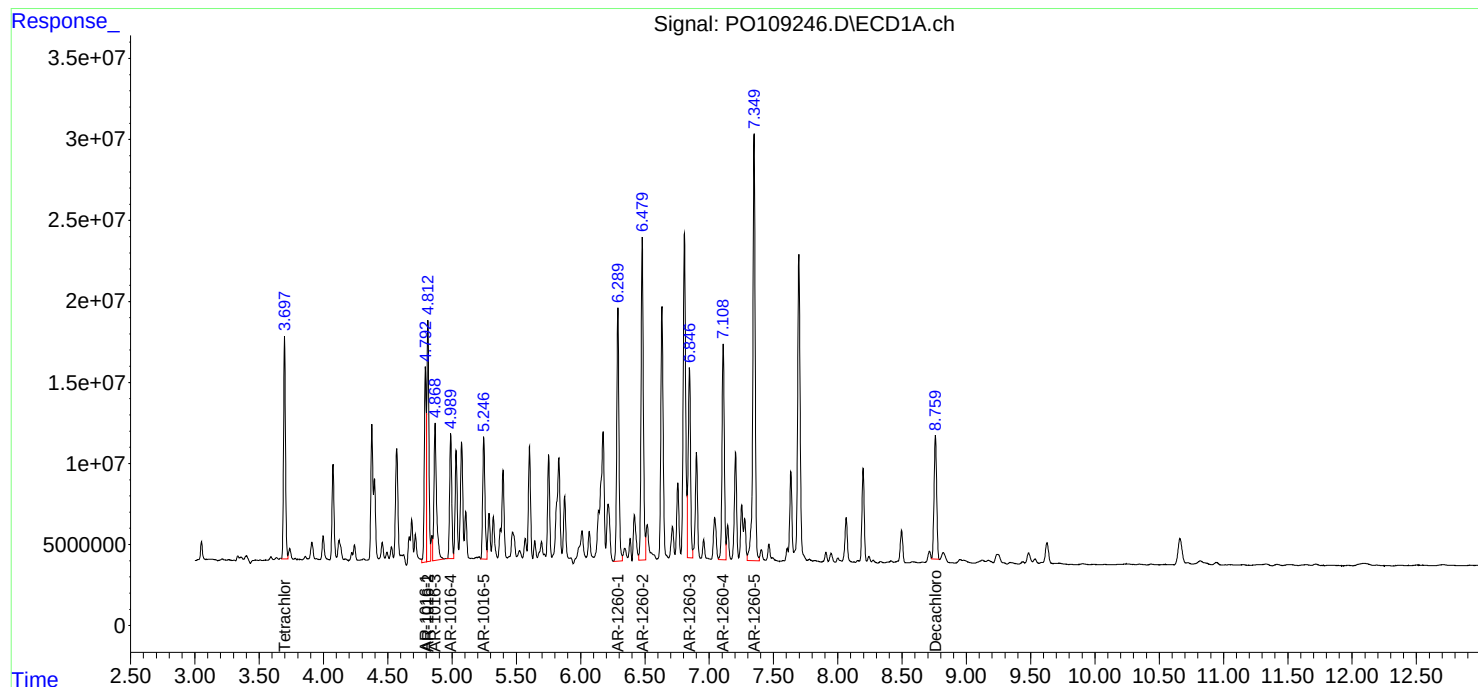
Manual Integrations

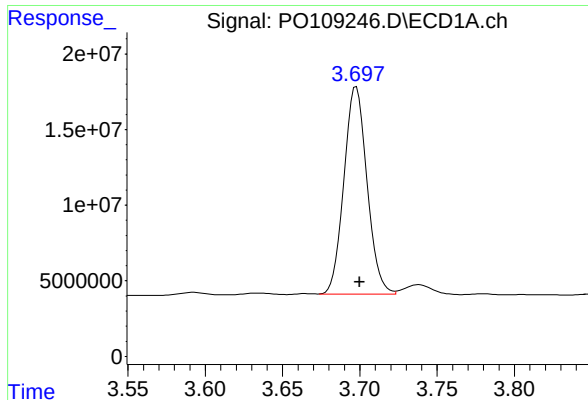
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 04:03:24 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





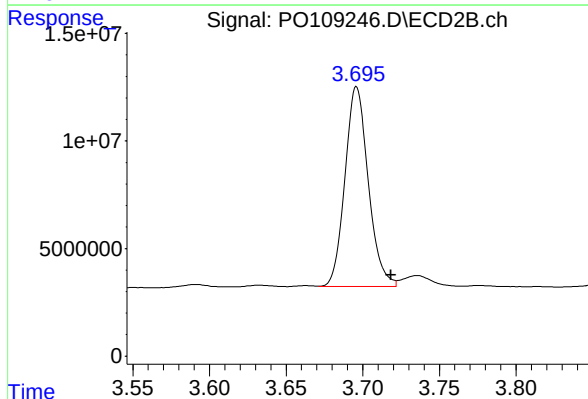
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.003 min
Response: 142274407
Conc: 18.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MSD

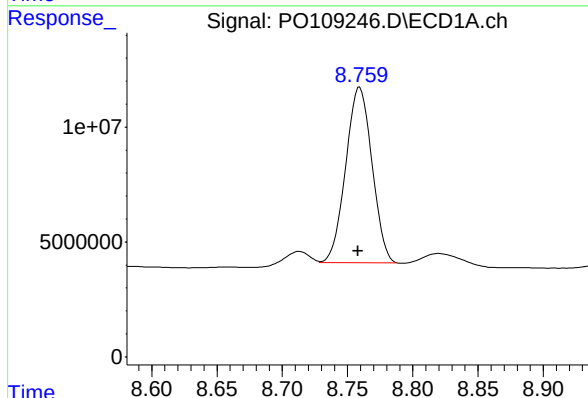
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



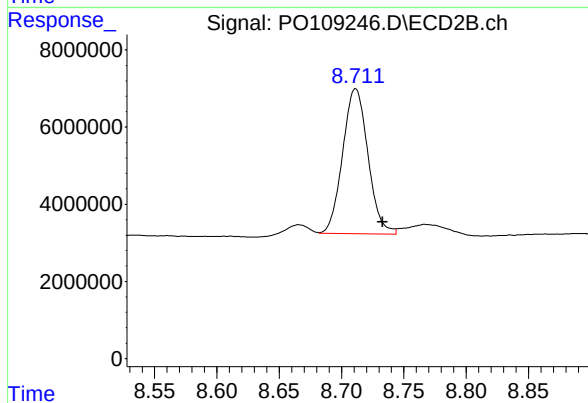
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: -0.023 min
Response: 99114433
Conc: 18.49 ng/ml



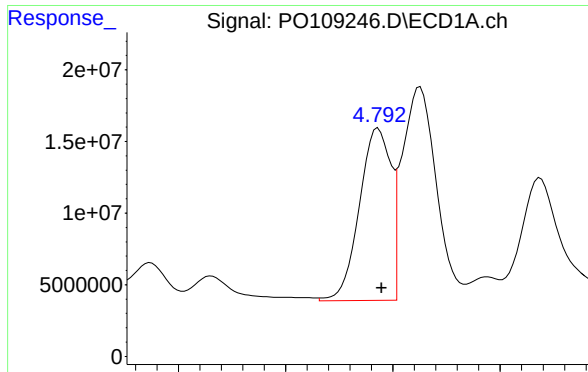
#2 Decachlorobiphenyl

R.T.: 8.759 min
Delta R.T.: 0.000 min
Response: 107005841
Conc: 15.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.711 min
Delta R.T.: -0.022 min
Response: 53185113
Conc: 15.47 ng/ml



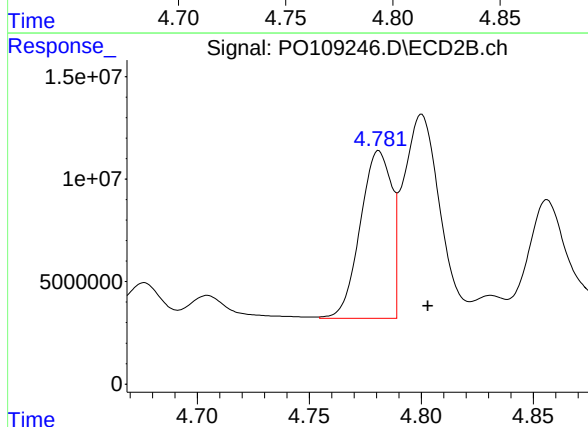
#3 AR-1016-1

R.T.: 4.793 min
Delta R.T.: -0.002 min
Response: 122298626
Conc: 484.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MSD

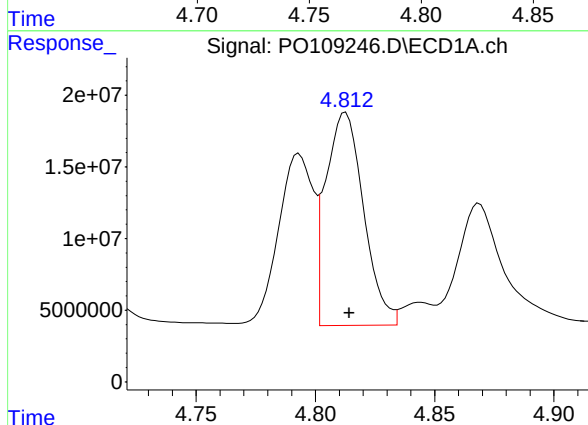
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



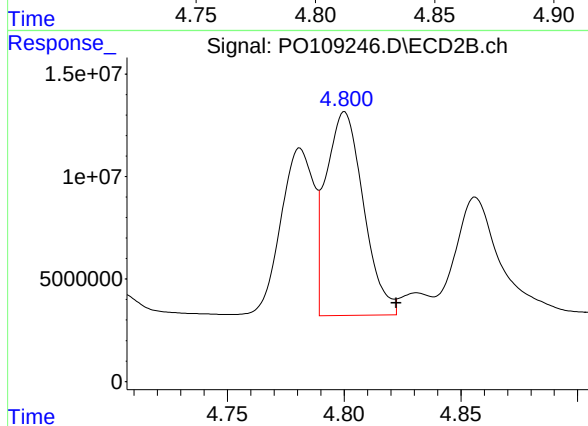
#3 AR-1016-1

R.T.: 4.781 min
Delta R.T.: -0.022 min
Response: 80891555
Conc: 499.58 ng/ml



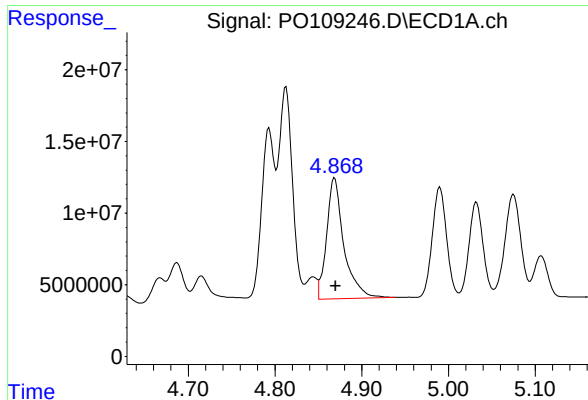
#4 AR-1016-2

R.T.: 4.813 min
Delta R.T.: -0.002 min
Response: 164264587
Conc: 476.29 ng/ml



#4 AR-1016-2

R.T.: 4.800 min
Delta R.T.: -0.022 min
Response: 109869153
Conc: 461.18 ng/ml



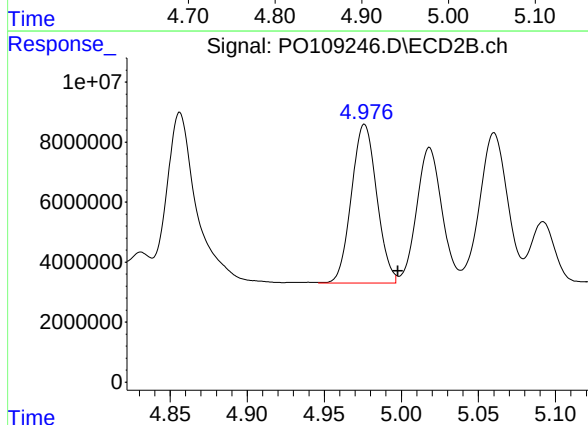
#5 AR-1016-3

R.T.: 4.869 min
Delta R.T.: -0.001 min
Response: 116301911
Conc: 476.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MSD

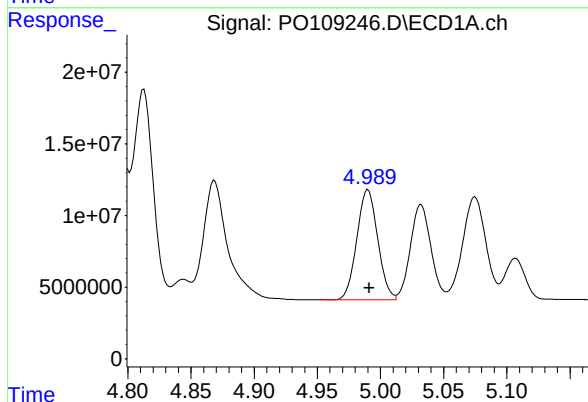
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



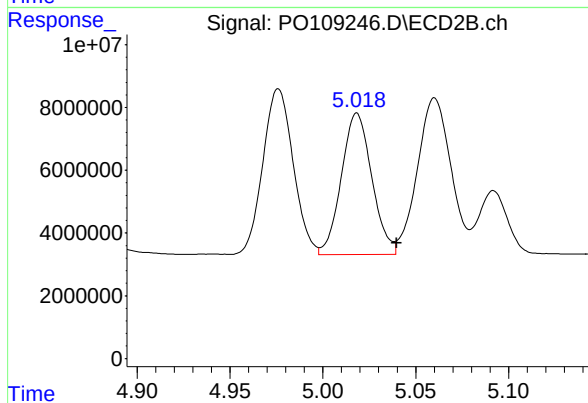
#5 AR-1016-3

R.T.: 4.976 min
Delta R.T.: -0.022 min
Response: 60185889
Conc: 461.63 ng/ml



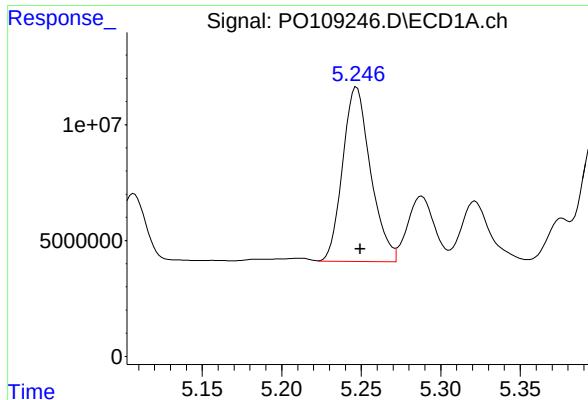
#6 AR-1016-4

R.T.: 4.990 min
Delta R.T.: -0.001 min
Response: 88033533
Conc: 461.32 ng/ml



#6 AR-1016-4

R.T.: 5.018 min
Delta R.T.: -0.022 min
Response: 51492685
Conc: 465.92 ng/ml



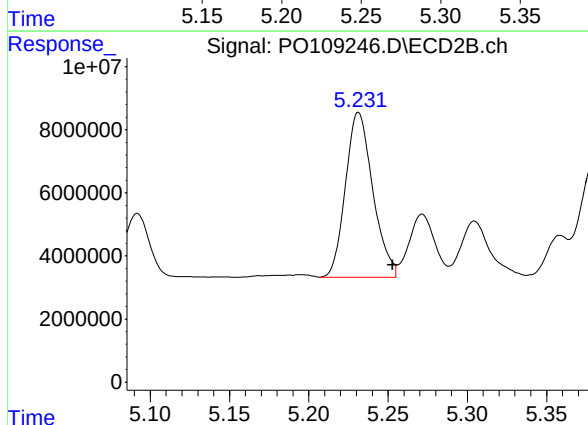
#7 AR-1016-5

R.T.: 5.247 min
Delta R.T.: -0.002 min
Response: 91915164
Conc: 440.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MSD

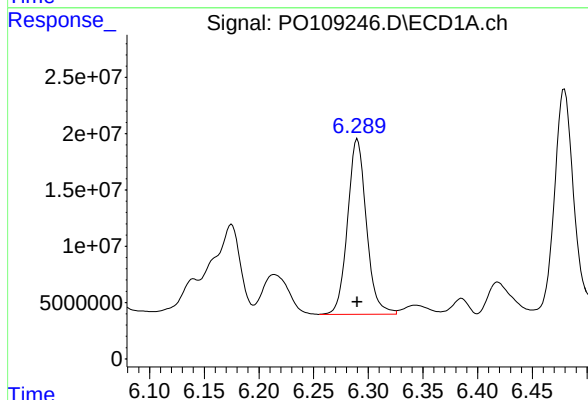
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



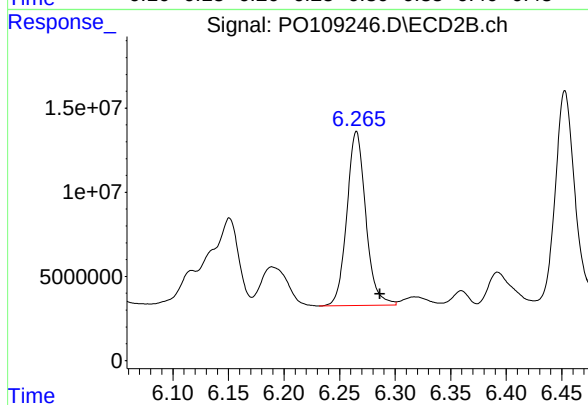
#7 AR-1016-5

R.T.: 5.231 min
Delta R.T.: -0.022 min
Response: 62851023
Conc: 437.86 ng/ml



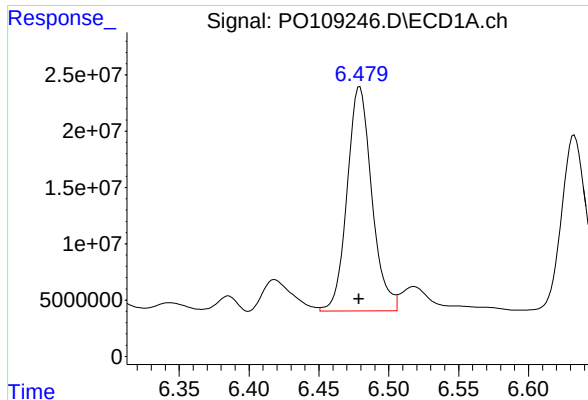
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 186473931
Conc: 489.23 ng/ml



#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: -0.021 min
Response: 122536111
Conc: 486.16 ng/ml



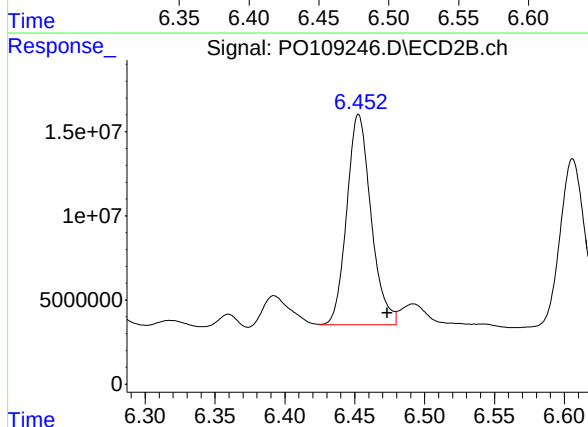
#32 AR-1260-2

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 244764983
Conc: 521.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MSD

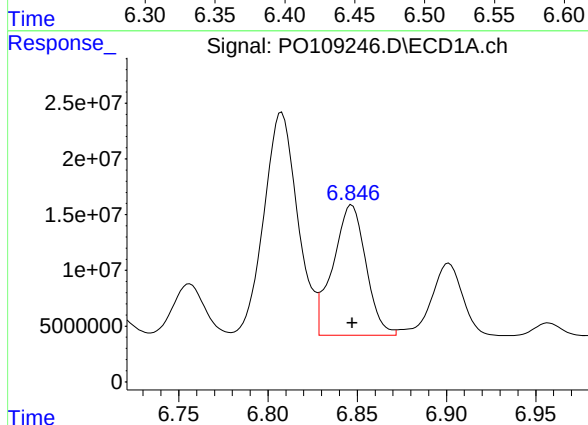
Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
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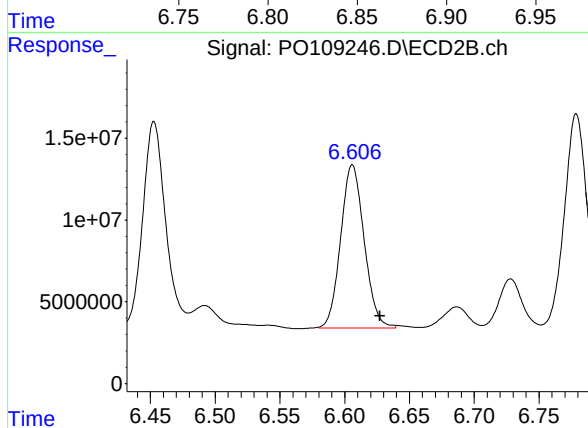
#32 AR-1260-2

R.T.: 6.452 min
Delta R.T.: -0.021 min
Response: 151929222
Conc: 505.08 ng/ml



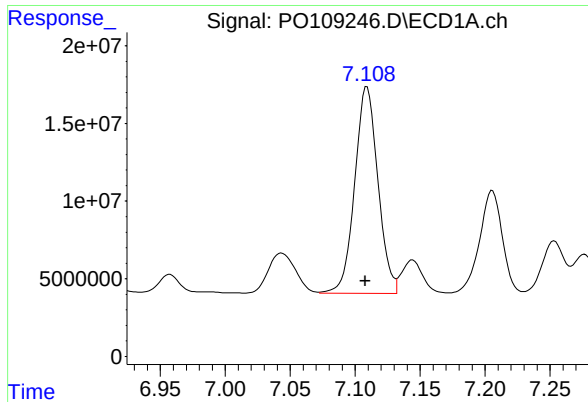
#33 AR-1260-3

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 150288264
Conc: 383.82 ng/ml



#33 AR-1260-3

R.T.: 6.606 min
Delta R.T.: -0.021 min
Response: 125562059
Conc: 451.04 ng/ml



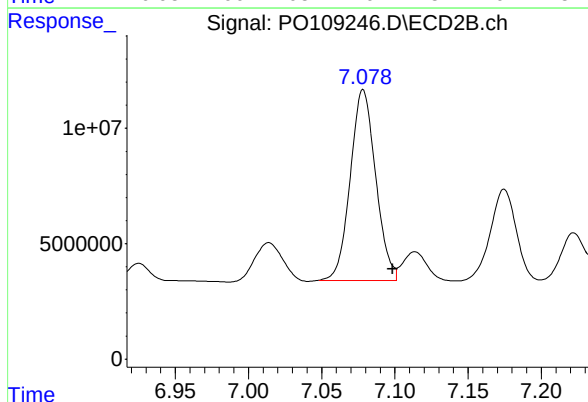
#34 AR-1260-4

R.T.: 7.109 min
Delta R.T.: 0.001 min
Response: 165393543
Conc: 462.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
VNJ-236MSD

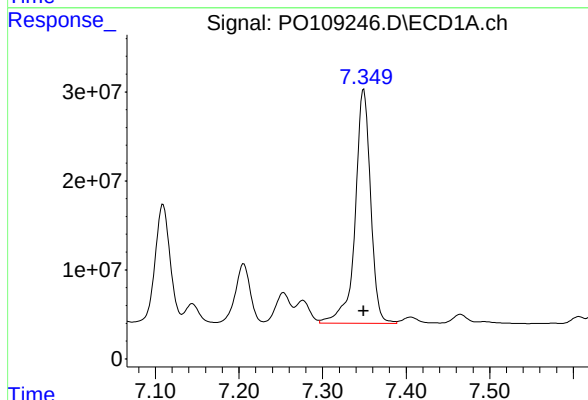
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



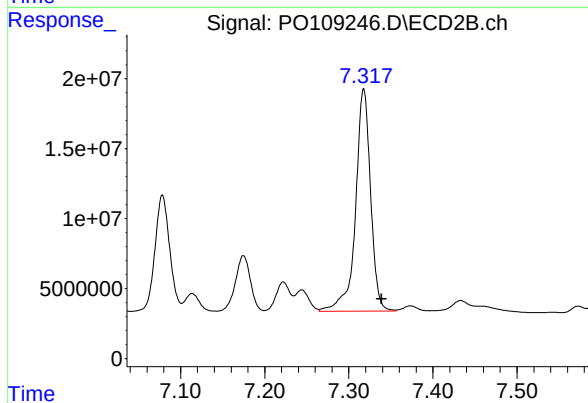
#34 AR-1260-4

R.T.: 7.078 min
Delta R.T.: -0.021 min
Response: 100024325
Conc: 443.27 ng/ml



#35 AR-1260-5

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 337365270
Conc: 404.23 ng/ml



#35 AR-1260-5

R.T.: 7.318 min
Delta R.T.: -0.021 min
Response: 197652070
Conc: 394.77 ng/ml

Manual Integration Report

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

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

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



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

Manual Integration Report

Sequence:

PO012125

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

PO012125ICV5
00

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

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109224.D	AR-1016-3 #2	yogesh	1/30/2025 10:16:59 AM	Ankita	1/30/2025 10:37:21	Peak Integrated by Software
AR1660CCC500	PO109224.D	AR-1016-5 #2	yogesh	1/30/2025 10:16:59 AM	Ankita	1/30/2025 10:37:21	Peak Integrated by Software
AR1660CCC500	PO109224.D	AR-1260-4 #2	yogesh	1/30/2025 10:16:59 AM	Ankita	1/30/2025 10:37:21	Peak Integrated by Software
AR1248CCC500	PO109226.D	AR-1248-3	yogesh	1/30/2025 10:17:02 AM	Ankita	1/30/2025 10:37:23	Peak Integrated by Software
PB166333BS	PO109238.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:14 AM	Ankita	1/30/2025 10:37:31	Peak Integrated by Software
PB166333BS	PO109238.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:14 AM	Ankita	1/30/2025 10:37:31	Peak Integrated by Software
PB166333BS	PO109238.D	Tetrachloro-m-xylene #2	yogesh	1/30/2025 10:17:14 AM	Ankita	1/30/2025 10:37:31	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1205-01MS	PO109245.D	AR-1016-1 #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	AR-1016-2 #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	AR-1016-3 #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	AR-1016-4 #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	AR-1016-5 #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	AR-1260-2 #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	AR-1260-4 #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	Decachlorobiphenyl	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	Tetrachloro-m-xylene	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MS	PO109245.D	Tetrachloro-m-xylene #2	yogesh	1/30/2025 10:37:28 AM	Ankita	1/30/2025 10:37:57	Peak Integrated by Software
Q1205-01MSD	PO109246.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1205-01MSD	PO109246.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1205-01MSD	PO109246.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1205-01MSD	PO109246.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1205-01MSD	PO109246.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1205-01MSD	PO109246.D	AR-1260-2 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1205-01MSD	PO109246.D	AR-1260-3 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1205-01MSD	PO109246.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1205-01MSD	PO109246.D	Decachlorobiphenyl	yogesh	1/30/2025 10:17:22 AM	Ankita	1/30/2025 10:37:59	Peak Integrated by Software
Q1206-03	PO109247.D	Tetrachloro-m-xylene	yogesh	1/30/2025 10:17:23 AM	Ankita	1/30/2025 10:38:01	Peak Integrated by Software
Q1206-07	PO109248.D	AR-1254-3	yogesh	1/30/2025 10:17:25 AM	Ankita	1/30/2025 10:38:03	Peak Integrated by Software
Q1206-07	PO109248.D	AR-1254-3 #2	yogesh	1/30/2025 10:17:25 AM	Ankita	1/30/2025 10:38:03	Peak Integrated by Software
Q1206-07	PO109248.D	AR-1260-2	yogesh	1/30/2025 10:17:25 AM	Ankita	1/30/2025 10:38:03	Peak Integrated by Software
Q1206-07	PO109248.D	AR-1260-2 #2	yogesh	1/30/2025 10:17:25 AM	Ankita	1/30/2025 10:38:03	Peak Integrated by Software
Q1206-07	PO109248.D	AR-1260-3 #2	yogesh	1/30/2025 10:17:25 AM	Ankita	1/30/2025 10:38:03	Peak Integrated by Software
Q1206-07	PO109248.D	AR-1260-5	yogesh	1/30/2025 10:17:25 AM	Ankita	1/30/2025 10:38:03	Peak Integrated by Software

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1206-07	PO109248.D	AR-1260-5 #2	yogesh	1/30/2025 10:17:25 AM	Ankita	1/30/2025 10:38:03	Peak Integrated by Software
AR1660CCC500	PO109254.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC500	PO109254.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC500	PO109254.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC500	PO109254.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC500	PO109254.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC500	PO109254.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1254CCC500	PO109257.D	AR-1254-1 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1254CCC500	PO109257.D	AR-1254-2 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1254CCC500	PO109257.D	AR-1254-3 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1254CCC500	PO109257.D	AR-1254-4 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1660CCC500	PO109261.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC500	PO109261.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109261.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC500	PO109261.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC500	PO109261.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC500	PO109261.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1254CCC500	PO109264.D	AR-1254-1 #2	yogesh	1/30/2025 10:17:42 AM	Ankita	1/30/2025 10:38:19	Peak Integrated by Software
AR1254CCC500	PO109264.D	AR-1254-2 #2	yogesh	1/30/2025 10:17:42 AM	Ankita	1/30/2025 10:38:19	Peak Integrated by Software
AR1254CCC500	PO109264.D	AR-1254-3 #2	yogesh	1/30/2025 10:17:42 AM	Ankita	1/30/2025 10:38:19	Peak Integrated by Software
AR1660CCC500	PO109267.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC500	PO109267.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC500	PO109267.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC500	PO109267.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC500	PO109267.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC500	PO109267.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO109270.D	AR-1254-1 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software
AR1254CCC500	PO109270.D	AR-1254-2 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software
AR1254CCC500	PO109270.D	AR-1254-3 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software
AR1254CCC500	PO109270.D	AR-1254-4 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software
I.BLK	PO109271.D	Decachlorobiphenyl #2	yogesh	1/30/2025 10:17:49 AM	Ankita	1/30/2025 10:38:25	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch 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	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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM
SubDirectory	PO012925	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	AR1660CCC500	PO109224.D	29 Jan 2025 11:53	YP/AJ	Ok,M
2	AR1242CCC500	PO109225.D	29 Jan 2025 12:11	YP/AJ	Ok
3	AR1248CCC500	PO109226.D	29 Jan 2025 12:29	YP/AJ	Ok,M
4	AR1254CCC500	PO109227.D	29 Jan 2025 12:47	YP/AJ	Ok
5	I.BLK	PO109228.D	29 Jan 2025 13:04	YP/AJ	Ok
6	PB166293BL	PO109229.D	29 Jan 2025 13:21	YP/AJ	Ok
7	PB166293BS	PO109230.D	29 Jan 2025 13:40	YP/AJ	Ok,M
8	Q1194-01	PO109231.D	29 Jan 2025 13:58	YP/AJ	Ok
9	Q1194-02	PO109232.D	29 Jan 2025 14:15	YP/AJ	Ok
10	Q1194-03	PO109233.D	29 Jan 2025 14:34	YP/AJ	Ok,M
11	Q1194-03MS	PO109234.D	29 Jan 2025 14:51	YP/AJ	Ok,M
12	Q1194-03MSD	PO109235.D	29 Jan 2025 15:08	YP/AJ	Ok,M
13	Q1194-04	PO109236.D	29 Jan 2025 15:27	YP/AJ	Ok,M
14	PB166333BL	PO109237.D	29 Jan 2025 15:45	YP/AJ	Ok
15	PB166333BS	PO109238.D	29 Jan 2025 16:02	YP/AJ	Ok,M
16	AR1660CCC500	PO109239.D	29 Jan 2025 16:49	YP/AJ	Ok,M
17	AR1242CCC500	PO109240.D	29 Jan 2025 17:08	YP/AJ	Ok
18	AR1248CCC500	PO109241.D	29 Jan 2025 17:25	YP/AJ	Ok
19	AR1254CCC500	PO109242.D	29 Jan 2025 17:43	YP/AJ	Ok
20	I.BLK	PO109243.D	29 Jan 2025 18:02	YP/AJ	Ok
21	Q1205-01	PO109244.D	29 Jan 2025 18:20	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM
SubDirectory	PO012925	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	Q1205-01MS	PO109245.D	29 Jan 2025 18:37	YP/AJ	Ok,M
23	Q1205-01MSD	PO109246.D	29 Jan 2025 18:55	YP/AJ	Ok,M
24	Q1206-03	PO109247.D	29 Jan 2025 19:13	YP/AJ	Ok,M
25	Q1206-07	PO109248.D	29 Jan 2025 19:31	YP/AJ	Ok,M
26	Q1207-03	PO109249.D	29 Jan 2025 19:49	YP/AJ	Ok,M
27	Q1207-07	PO109250.D	29 Jan 2025 20:07	YP/AJ	Ok,M
28	Q1207-11	PO109251.D	29 Jan 2025 20:26	YP/AJ	Ok,M
29	Q1207-15	PO109252.D	29 Jan 2025 20:44	YP/AJ	Ok,M
30	Q1207-19	PO109253.D	29 Jan 2025 21:01	YP/AJ	Ok,M
31	AR1660CCC500	PO109254.D	30 Jan 2025 00:46	YP/AJ	Ok,M
32	AR1242CCC500	PO109255.D	30 Jan 2025 01:04	YP/AJ	Ok
33	AR1248CCC500	PO109256.D	30 Jan 2025 01:23	YP/AJ	Ok
34	AR1254CCC500	PO109257.D	30 Jan 2025 01:41	YP/AJ	Ok,M
35	I.BLK	PO109258.D	30 Jan 2025 01:59	YP/AJ	Ok
36	Q1209-01	PO109259.D	30 Jan 2025 02:18	YP/AJ	Ok,M
37	Q1209-05	PO109260.D	30 Jan 2025 02:36	YP/AJ	Ok
38	AR1660CCC500	PO109261.D	30 Jan 2025 03:51	YP/AJ	Ok,M
39	AR1242CCC500	PO109262.D	30 Jan 2025 04:09	YP/AJ	Ok
40	AR1248CCC500	PO109263.D	30 Jan 2025 04:28	YP/AJ	Ok
41	AR1254CCC500	PO109264.D	30 Jan 2025 04:46	YP/AJ	Ok,M
42	I.BLK	PO109265.D	30 Jan 2025 05:05	YP/AJ	Ok
43	Q1208-01	PO109266.D	30 Jan 2025 05:23	YP/AJ	Ok,M
44	AR1660CCC500	PO109267.D	30 Jan 2025 06:10	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM
SubDirectory	PO012925	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			

45	AR1242CCC500	PO109268.D	30 Jan 2025 06:28	YP/AJ	Ok
46	AR1248CCC500	PO109269.D	30 Jan 2025 06:46	YP/AJ	Ok
47	AR1254CCC500	PO109270.D	30 Jan 2025 07:04	YP/AJ	Ok,M
48	I.BLK	PO109271.D	30 Jan 2025 07:23	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch 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,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM
SubDirectory	PO012925	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,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,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	PO109224.D	29 Jan 2025 11:53		YP/AJ	Ok,M
2	AR1242CCC500	AR1242CCC500	PO109225.D	29 Jan 2025 12:11		YP/AJ	Ok
3	AR1248CCC500	AR1248CCC500	PO109226.D	29 Jan 2025 12:29		YP/AJ	Ok,M
4	AR1254CCC500	AR1254CCC500	PO109227.D	29 Jan 2025 12:47		YP/AJ	Ok
5	I.BLK	I.BLK	PO109228.D	29 Jan 2025 13:04		YP/AJ	Ok
6	PB166293BL	PB166293BL	PO109229.D	29 Jan 2025 13:21		YP/AJ	Ok
7	PB166293BS	PB166293BS	PO109230.D	29 Jan 2025 13:40		YP/AJ	Ok,M
8	Q1194-01	B-110-SB01	PO109231.D	29 Jan 2025 13:58		YP/AJ	Ok
9	Q1194-02	B-110-SB02	PO109232.D	29 Jan 2025 14:15		YP/AJ	Ok
10	Q1194-03	B-113-SB01	PO109233.D	29 Jan 2025 14:34		YP/AJ	Ok,M
11	Q1194-03MS	B-113-SB01MS	PO109234.D	29 Jan 2025 14:51		YP/AJ	Ok,M
12	Q1194-03MSD	B-113-SB01MSD	PO109235.D	29 Jan 2025 15:08		YP/AJ	Ok,M
13	Q1194-04	B-113-SB02	PO109236.D	29 Jan 2025 15:27		YP/AJ	Ok,M
14	PB166333BL	PB166333BL	PO109237.D	29 Jan 2025 15:45		YP/AJ	Ok
15	PB166333BS	PB166333BS	PO109238.D	29 Jan 2025 16:02		YP/AJ	Ok,M
16	AR1660CCC500	AR1660CCC500	PO109239.D	29 Jan 2025 16:49		YP/AJ	Ok,M
17	AR1242CCC500	AR1242CCC500	PO109240.D	29 Jan 2025 17:08		YP/AJ	Ok
18	AR1248CCC500	AR1248CCC500	PO109241.D	29 Jan 2025 17:25		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM
SubDirectory	PO012925	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,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,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	PO109242.D	29 Jan 2025 17:43		YP/AJ	Ok
20	I.BLK	I.BLK	PO109243.D	29 Jan 2025 18:02		YP/AJ	Ok
21	Q1205-01	VNJ-236	PO109244.D	29 Jan 2025 18:20	AR1260 Hit	YP/AJ	Ok,M
22	Q1205-01MS	VNJ-236MS	PO109245.D	29 Jan 2025 18:37		YP/AJ	Ok,M
23	Q1205-01MSD	VNJ-236MSD	PO109246.D	29 Jan 2025 18:55		YP/AJ	Ok,M
24	Q1206-03	JPP-20.1-012725	PO109247.D	29 Jan 2025 19:13		YP/AJ	Ok,M
25	Q1206-07	JPP-16.3-012725	PO109248.D	29 Jan 2025 19:31	AR1254 + AR1260 Hit	YP/AJ	Ok,M
26	Q1207-03	JPP-2.1-012725	PO109249.D	29 Jan 2025 19:49	AR1260 Hit	YP/AJ	Ok,M
27	Q1207-07	JPP-5.1-012725	PO109250.D	29 Jan 2025 20:07	AR1260 Hit	YP/AJ	Ok,M
28	Q1207-11	JPP-4.5-012725	PO109251.D	29 Jan 2025 20:26		YP/AJ	Ok,M
29	Q1207-15	JPP-16.2-012725	PO109252.D	29 Jan 2025 20:44	AR1260 Hit	YP/AJ	Ok,M
30	Q1207-19	JPP-20.2-012725	PO109253.D	29 Jan 2025 21:01	AR1260 Hit	YP/AJ	Ok,M
31	AR1660CCC500	AR1660CCC500	PO109254.D	30 Jan 2025 00:46		YP/AJ	Ok,M
32	AR1242CCC500	AR1242CCC500	PO109255.D	30 Jan 2025 01:04		YP/AJ	Ok
33	AR1248CCC500	AR1248CCC500	PO109256.D	30 Jan 2025 01:23		YP/AJ	Ok
34	AR1254CCC500	AR1254CCC500	PO109257.D	30 Jan 2025 01:41		YP/AJ	Ok,M
35	I.BLK	I.BLK	PO109258.D	30 Jan 2025 01:59		YP/AJ	Ok
36	Q1209-01	WC-4	PO109259.D	30 Jan 2025 02:18		YP/AJ	Ok,M
37	Q1209-05	WC-5	PO109260.D	30 Jan 2025 02:36		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM
SubDirectory	PO012925	HP Acquire Method	HP Processing Method PO012125
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	AR1660CCC500	AR1660CCC500	PO109261.D	30 Jan 2025 03:51		YP/AJ	Ok,M
39	AR1242CCC500	AR1242CCC500	PO109262.D	30 Jan 2025 04:09		YP/AJ	Ok
40	AR1248CCC500	AR1248CCC500	PO109263.D	30 Jan 2025 04:28		YP/AJ	Ok
41	AR1254CCC500	AR1254CCC500	PO109264.D	30 Jan 2025 04:46		YP/AJ	Ok,M
42	I.BLK	I.BLK	PO109265.D	30 Jan 2025 05:05		YP/AJ	Ok
43	Q1208-01	60304	PO109266.D	30 Jan 2025 05:23	DCB high in 1st column	YP/AJ	Ok,M
44	AR1660CCC500	AR1660CCC500	PO109267.D	30 Jan 2025 06:10		YP/AJ	Ok,M
45	AR1242CCC500	AR1242CCC500	PO109268.D	30 Jan 2025 06:28		YP/AJ	Ok
46	AR1248CCC500	AR1248CCC500	PO109269.D	30 Jan 2025 06:46		YP/AJ	Ok
47	AR1254CCC500	AR1254CCC500	PO109270.D	30 Jan 2025 07:04		YP/AJ	Ok,M
48	I.BLK	I.BLK	PO109271.D	30 Jan 2025 07:23		YP/AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134456

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
Q1191-03	A44Y0	1	1.00	1.00	2.00	2.00	100.0	FB solids
Q1191-04	A44Y1	2	1.00	1.00	2.00	2.00	100.0	FB solids
Q1191-09	VHBLK002	3	1.00	1.00	2.00	2.00	100.0	vhblk
Q1205-01	VNJ-236	4	1.15	8.64	9.79	8.68	87.2	
Q1206-01	JPP-20.1-012725	5	1.18	8.42	9.6	8.38	85.5	
Q1206-03	JPP-20.1-012725	6	1.19	8.50	9.69	8.46	85.5	
Q1206-05	JPP-16.3-012725	7	1.16	8.80	9.96	8.72	85.9	
Q1206-07	JPP-16.3-012725	8	1.19	8.51	9.7	8.38	84.5	
Q1207-01	JPP-2.1-012725	9	1.15	8.51	9.66	8.54	86.8	
Q1207-04	JPP-2.1-012725	10	1.16	8.61	9.77	8.7	87.6	
Q1207-05	JPP-5.1-012725	11	1.15	8.59	9.74	8.98	91.2	
Q1207-07	JPP-5.1-012725	12	1.18	8.60	9.78	9.00	90.9	
Q1207-08	JPP-5.1-012725	13	1.18	8.60	9.78	9.00	90.9	
Q1207-09	JPP-4.5-012725	14	1.17	8.82	9.99	8.49	83.0	
Q1207-11	JPP-4.5-012725	15	1.19	8.80	9.99	8.37	81.6	
Q1207-12	JPP-4.5-012725	16	1.19	8.80	9.99	8.37	81.6	
Q1207-13	JPP-16.2-012725	17	1.13	8.80	9.93	9.02	89.7	
Q1207-15	JPP-16.2-012725	18	1.15	8.67	9.82	8.85	88.8	
Q1207-16	JPP-16.2-012725	19	1.15	8.67	9.82	8.85	88.8	
Q1207-17	JPP-20.2-012725	20	1.12	8.77	9.89	8.85	88.1	
Q1207-19	JPP-20.2-012725	21	1.17	8.53	9.7	8.66	87.8	
Q1207-20	JPP-20.2-012725	22	1.17	8.53	9.7	8.66	87.8	
Q1208-01	60304	23	1.00	1.00	2.00	2.00	100.0	oil sample
Q1209-01	WC-4	24	1.17	8.80	9.97	8.5	83.3	
Q1209-02	WC-4-EPH	25	1.15	8.64	9.79	8.39	83.8	
Q1209-03	WC-4-VOC	26	1.14	8.82	9.96	8.56	84.1	
Q1209-05	WC-5	27	1.15	8.82	9.97	8.95	88.4	
Q1209-06	WC-5-EPH	28	1.13	8.85	9.98	8.55	83.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134456

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
Q1209-07	WC-5-VOC	29	1.15	8.74	9.89	8.27	81.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UP 134456

WorkList Name : %1-012825

WorkList ID : 187196

Department : Wet-Chemistry

Date : 01-28-2025 07:59:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1206-01	JPP-20.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-03	JPP-20.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-05	JPP-16.3-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-07	JPP-16.3-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-01	JPP-2.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-04	JPP-2.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-13	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-15	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-16	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-17	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-19	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-20	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-05	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-07	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-08	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-09	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-11	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-12	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1205-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1208-01	60304	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/28/2025	Chemtech -SO
Q1209-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/28/2025	Chemtech -SO
					PSEG03	N41	01/28/2025	Chemtech -SO

Date/Time 01/28/25 15:30

Raw Sample Received by: ID WLC

Raw Sample Relinquished by: CP SM

Date/Time 01/28/25 17:10

Raw Sample Received by: CP SM

Raw Sample Relinquished by: ID WLC

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-012825

WorkList ID : 187196

Department : Wet-Chemistry

VB 134456

Date : 01-28-2025 07:59:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1209-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1191-03	A44Y0	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1191-04	A44Y1	Solid	Percent Solids	Cool 4 deg C	USEP04	B21	01/24/2025	Chemtech -SO
Q1191-09	VHBLK002	Solid	Percent Solids	Cool 4 deg C	USEP04	B21	01/24/2025	Chemtech -SO
					USEP04	B21	01/25/2025	Chemtech -SO

Date/Time 01/28/25 15:30
 Raw Sample Received by: SP WLC
 Raw Sample Relinquished by: CP SM

Date/Time 01/28/25 17:10
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: SP WLC

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix: Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 01/29/2025

Extraction Start Time: 08:55

Extraction End Date: 01/29/2025

Extraction End Time: 11:55

Concentration By: EH

Supervisor By: rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Surrogate	1.0ML	200 PPB	PP24123
Spike Sol 1	1.0ML	5000 PPB	PP24093
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	E3868
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1208-01 Limited volume used As sample is Oil.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

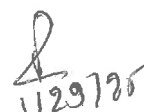
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25	RP (Ept Lab)	RP (Ept Lab)
12:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166333BL	ABLK333	PCB	30.01	N/A	RUPESH	Evelyn	10			U7-1
PB166333BS	ALCS333	PCB	30.03	N/A	RUPESH	Evelyn	10			2
Q1205-01	VNJ-236	PCB	30.05	N/A	RUPESH	Evelyn	10	F		3
Q1205-01MS	VNJ-236MS	PCB	30.06	N/A	RUPESH	Evelyn	10	F		4
Q1205-01MS D	VNJ-236MSD	PCB	30.08	N/A	RUPESH	Evelyn	10	F		5
Q1206-03	JPP-20.1-012725	PCB	30.05	N/A	RUPESH	Evelyn	10	F		6
Q1206-07	JPP-16.3-012725	PCB	30.04	N/A	RUPESH	Evelyn	10	F		U4-1
Q1207-03	JPP-2.1-012725	PCB	30.01	N/A	RUPESH	Evelyn	10	F		2
Q1207-07	JPP-5.1-012725	PCB	30.02	N/A	RUPESH	Evelyn	10	F		3
Q1207-11	JPP-4.5-012725	PCB	30.07	N/A	RUPESH	Evelyn	10	F		4
Q1207-15	JPP-16.2-012725	PCB	30.03	N/A	RUPESH	Evelyn	10	F		5
Q1207-19	JPP-20.2-012725	PCB	30.06	N/A	RUPESH	Evelyn	10	F		6
Q1208-01	60304	PCB	1.05	N/A	RUPESH	Evelyn	10	B	Oil	
Q1209-01	WC-4	PCB	30.02	N/A	RUPESH	Evelyn	10	A		U2-1
Q1209-05	WC-5	PCB	30.05	N/A	RUPESH	Evelyn	10	A		2

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1205

WorkList ID : 187239

Department : Extraction

Date : 01-29-2025 08:22:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1205-01	VNJ-236	Solid	PCB	Cool 4 deg C	PSEG03	N31	01/28/2025	8082A
Q1206-03	JPP-20.1-012725	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/27/2025	8082A
Q1206-07	JPP-16.3-012725	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/27/2025	8082A
Q1207-03	JPP-2.1-012725	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/27/2025	8082A
Q1207-07	JPP-5.1-012725	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/27/2025	8082A
Q1207-11	JPP-4.5-012725	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/27/2025	8082A
Q1207-15	JPP-16.2-012725	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/27/2025	8082A
Q1207-19	JPP-20.2-012725	Solid	PCB	Cool 4 deg C	RUTW01	E11	01/27/2025	8082A
Q1208-01	60304	Solid	PCB	Cool 4 deg C	PSEG03	N31	01/28/2025	8082A
Q1209-01	WC-4	Solid	PCB	Cool 4 deg C	PSEG03	N41	01/28/2025	8082A
Q1209-05	WC-5	Solid	PCB	Cool 4 deg C	PSEG03	N41	01/28/2025	8082A

Date/Time 01/29/25 8:50
 Raw Sample Received by: Rs (Ed 104)
 Raw Sample Relinquished by: CP SM

Date/Time 01/29/25 9:20
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: Rs (Ed 104)

Prep Standard - Chemical Standard Summary

Order ID : Q1206

Test : PCB

Prepbatch ID : PB166333,

Sequence ID/Qc Batch ID: Po012925,

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,PP24093,PP24123,

Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3843,E3846,E3847,E3868,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13350,P13353,P13372,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024
<u>FROM</u> 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3790	AR1221 500 PPB ICV(AGILENT)	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1893	AR1254 1000 PPB Working Sol. 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3817	AR1268 1000 ppb Working Soln. 2nd source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24093	12/20/2024	04/03/2025	Ankita Jodhani	None	None	Yogesh Patel
								01/16/2025

FROM 0.50000ml of P12947 + 99.50000ml of E3843 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

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	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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	07/17/2025	01/17/2025 / Rajesh	01/02/2025 / Rajesh	E3868

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

CHEMICAL RECEIPT LOG BOOK

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

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.	/ Aroclor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

CHEMICAL RECEIPT LOG BOOK

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

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



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

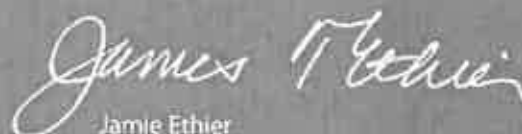
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	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


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



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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 ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



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 ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

£ 3825

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors™**



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846



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

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 ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

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 ₈ 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 ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 01/03/25

E3868

J. Croak

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

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


Jamie Ethier
Vice President Global Quality



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 CAS # 12674-11-2 (Lot 04) Purity ----%	1,007.0 µg/mL	+/- 5.8683 µg/mL Gravimetric +/- 31.9082 µg/mL Unstressed +/- 41.6868 µg/mL Stressed
2	Aroclor 1260 CAS # 11096-82-5 (Lot 07) Purity ----%	1,008.0 µg/mL	+/- 5.8741 µg/mL Gravimetric +/- 31.9399 µg/mL Unstressed +/- 41.7282 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 10476

P 10480

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:

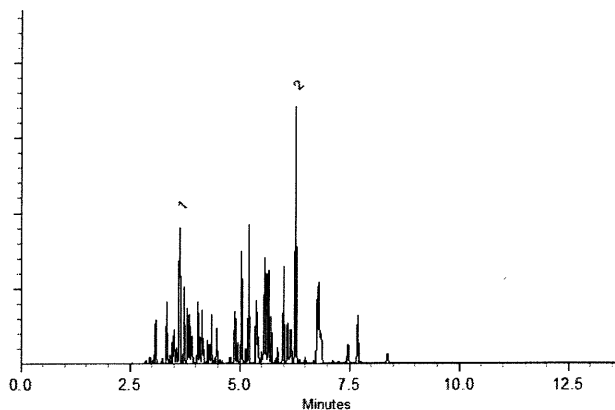
250°C

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

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
↓
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:

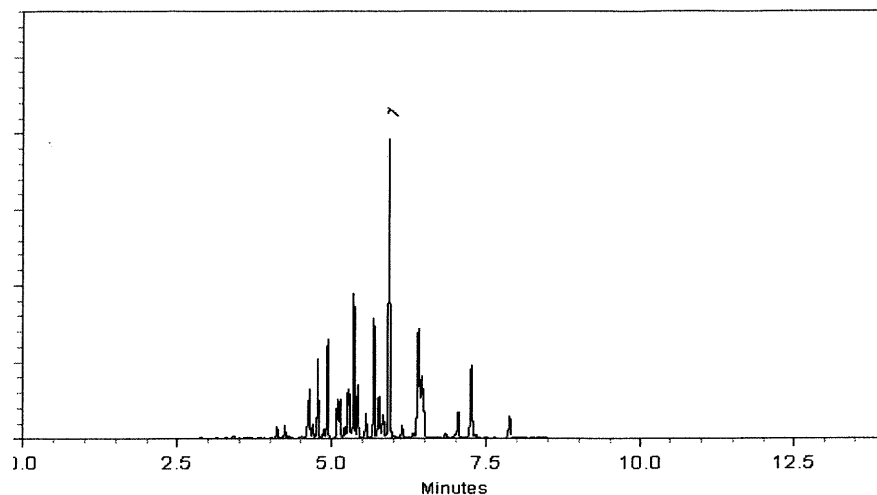
250°C

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
Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021

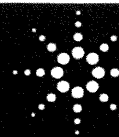
Balance: B707717271

Marlene Cowan
Marlene 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

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1242	100.4	± 0.5 µg/mL		053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11503
↓
P11507A7
02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

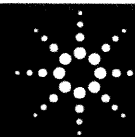
www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

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

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
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

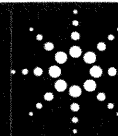
↓

P11512

AJ

2/21/22

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

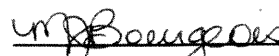
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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)

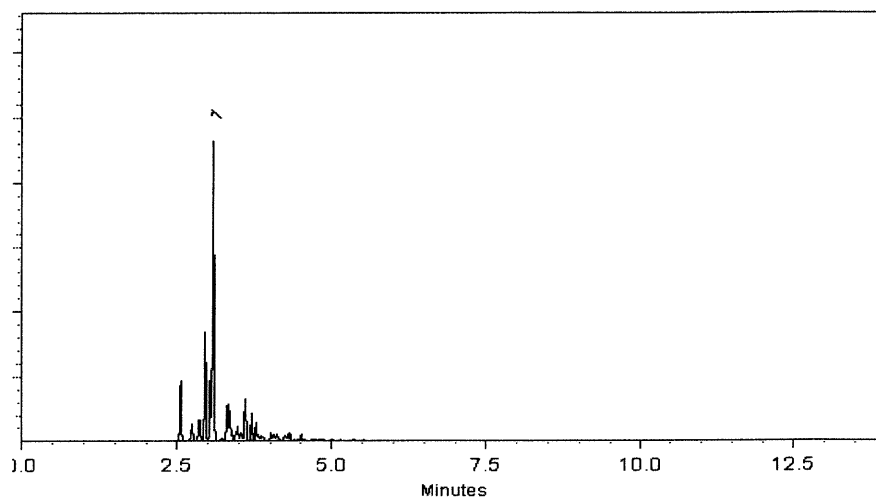
Carrier Gas:
helium-constant pressure 20 psi.

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
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11578
↓
P11582 / (S)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
↓
P11587 / (S)

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

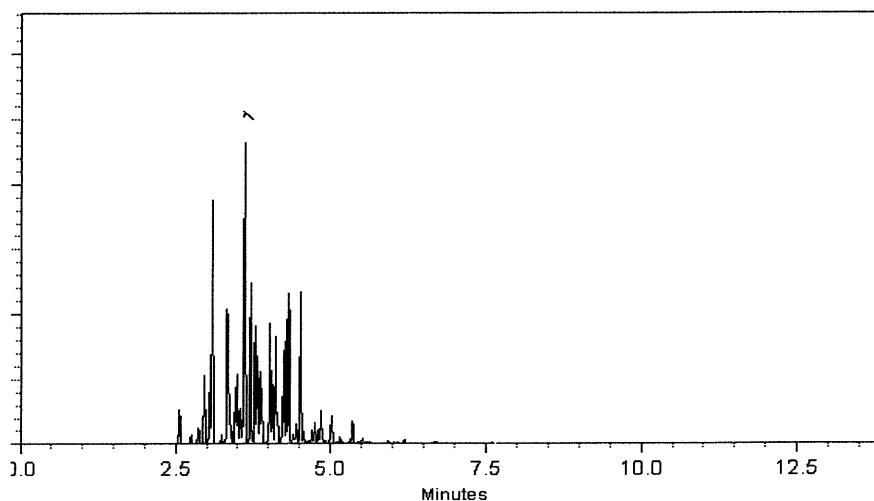
Carrier Gas:
helium-constant pressure 20 psi.

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
Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021

Balance: B442140311

Alexis Shelow
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



CERTIFIED REFERENCE MATERIAL

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Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 Lot No.: A0175403
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 41.4406 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

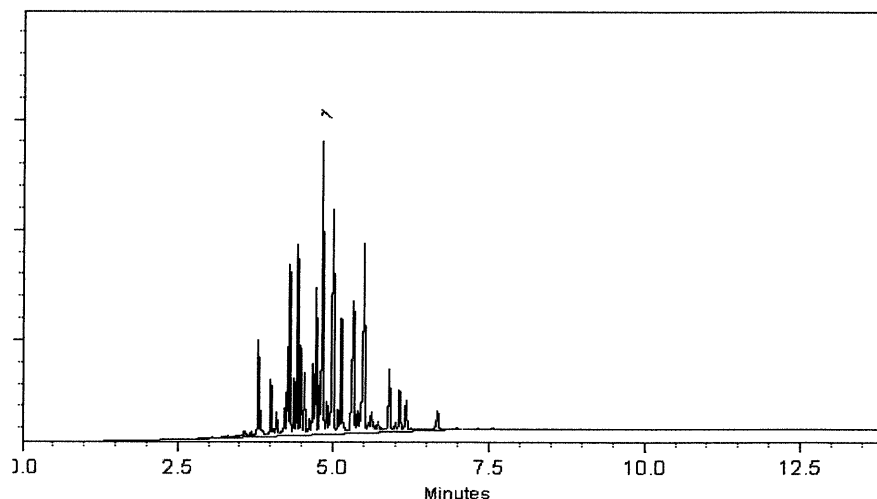
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11588
↓
P11592 / (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 CAS # 11100-14-4 Purity ----%	1,001.4 µg/mL (Lot 10947000)	+/- 5.9480 µg/mL Gravimetric +/- 31.7516 µg/mL Unstressed +/- 41.4710 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11593
↓
P 11597
⑤

UAR
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:

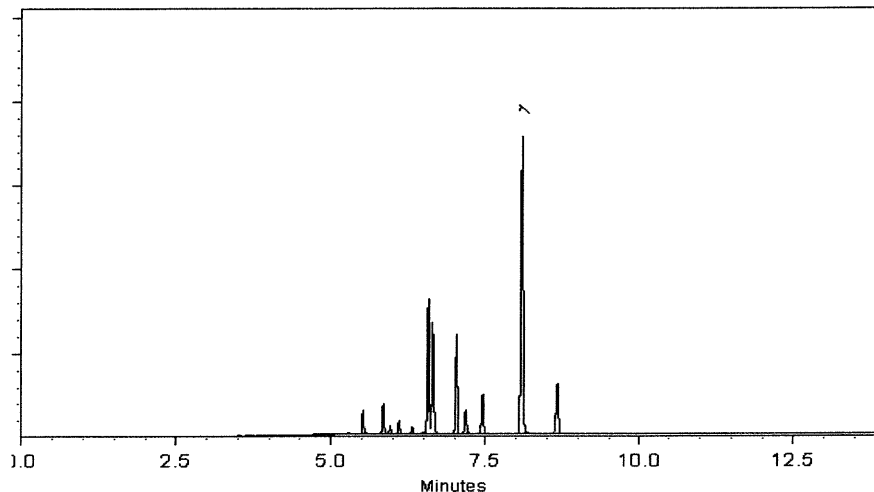
250°C

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 S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

Clara Windle
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
[Signature]
04/30/2022



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

Weight(s) shown below were combined and diluted to (mL): **100.0**

5E-05 Balance Uncertainty

0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier

Column ID SPB-608 30 meter X 0.53mm X 5 μm film thickness

Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min

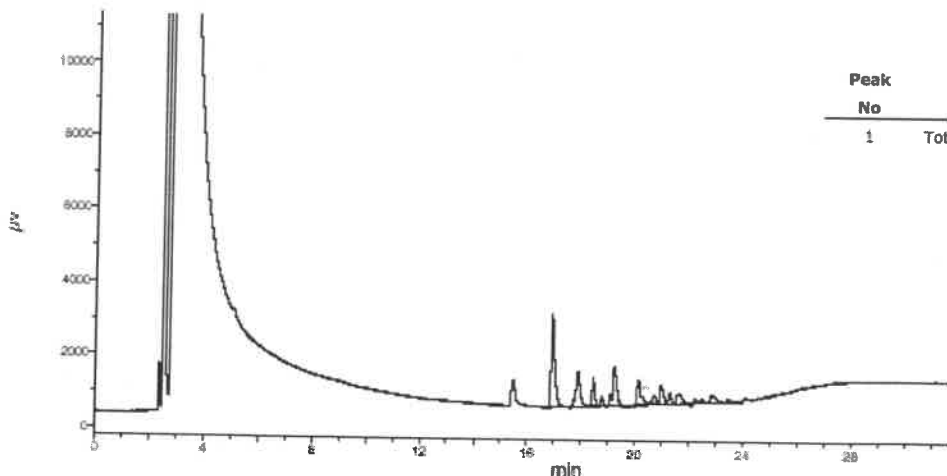
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min

Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)

Rate = 8°C/min, Total run time = 35 min

Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = EDAQ Channel 1

Standard injection = 1.5 μL , Range=3





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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

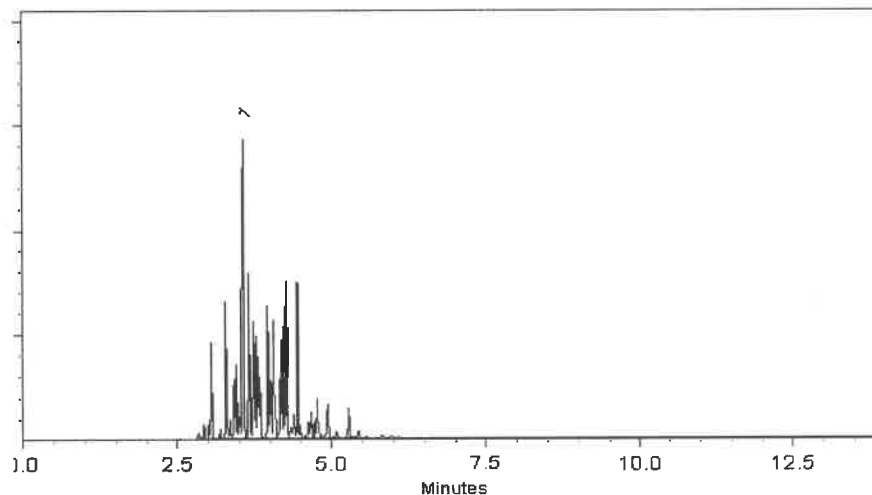
ECD

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



110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** 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

P12993
↓
P12997
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 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:

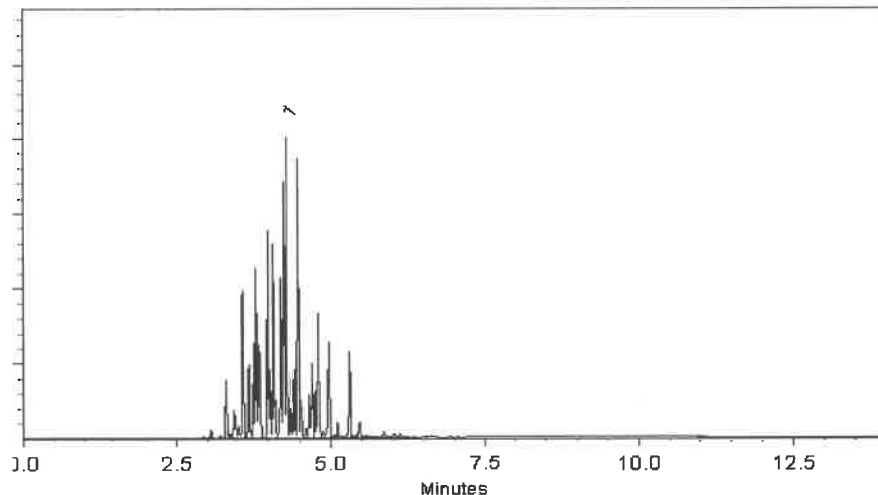
ECD

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



CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 022023
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
Expiration Date: 022033
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): Hexane
Lot# 273615

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

P12946
↓
P12955
YAP.
12/20/23

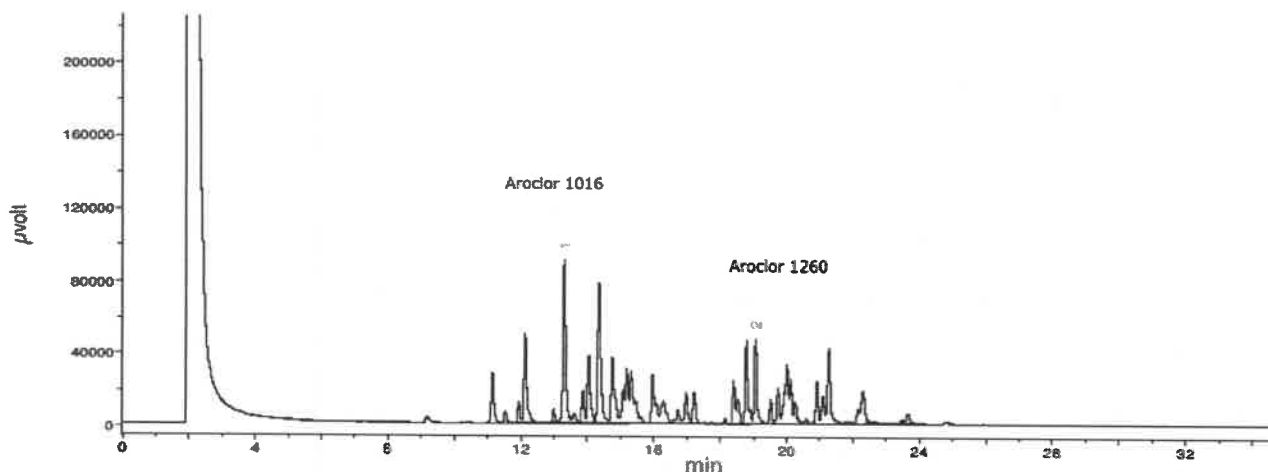
Weight(s) shown below were combined and diluted to (mL): 200.0
5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	ori-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **99139**
Lot Number: **121823**
Description: **Aroclor 1254**

Solvent(s):
Iso-octane
Lot#
82227

<i>Anthony Mahoney</i>		121823
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 } Y.P.
12/20/23
P12957 }

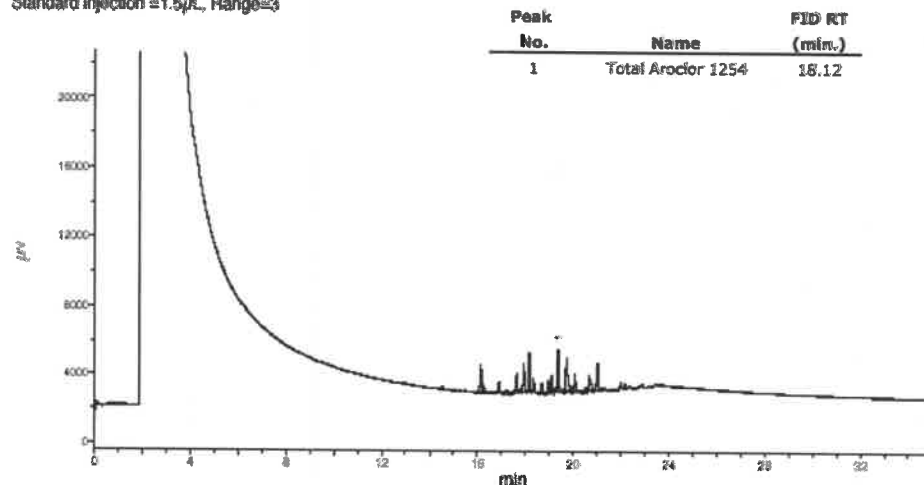
Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB
Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **90165**
 Lot Number: **112322**
 Description: **Aroclor 1262**

Solvent(s):
 Hexane

Lot#
 273615

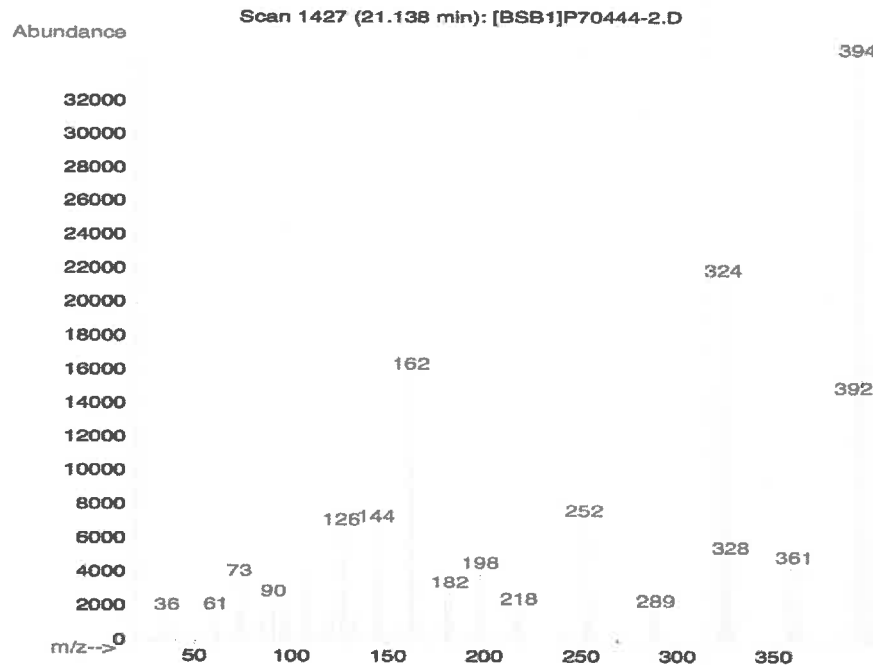
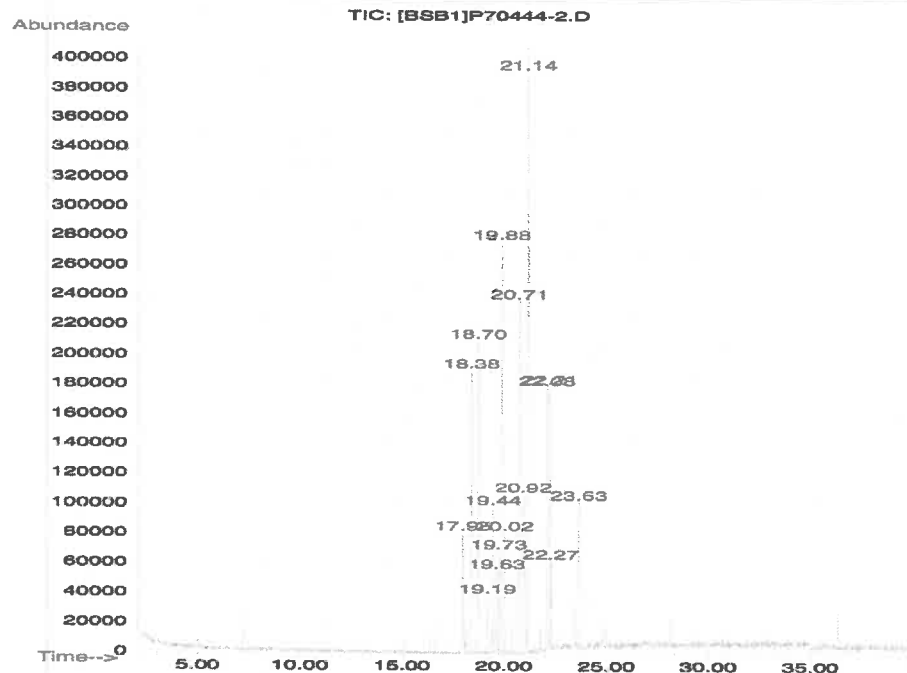
		112322
Formulated By:	Prashant Chauhan	DATE
		112322
Reviewed By:	Pedro L. Rentas	DATE

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

5E-05 Balance Uncertainty
 0.005 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 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 } Y.P.
 2 } 12/21/23
 P13033 }

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

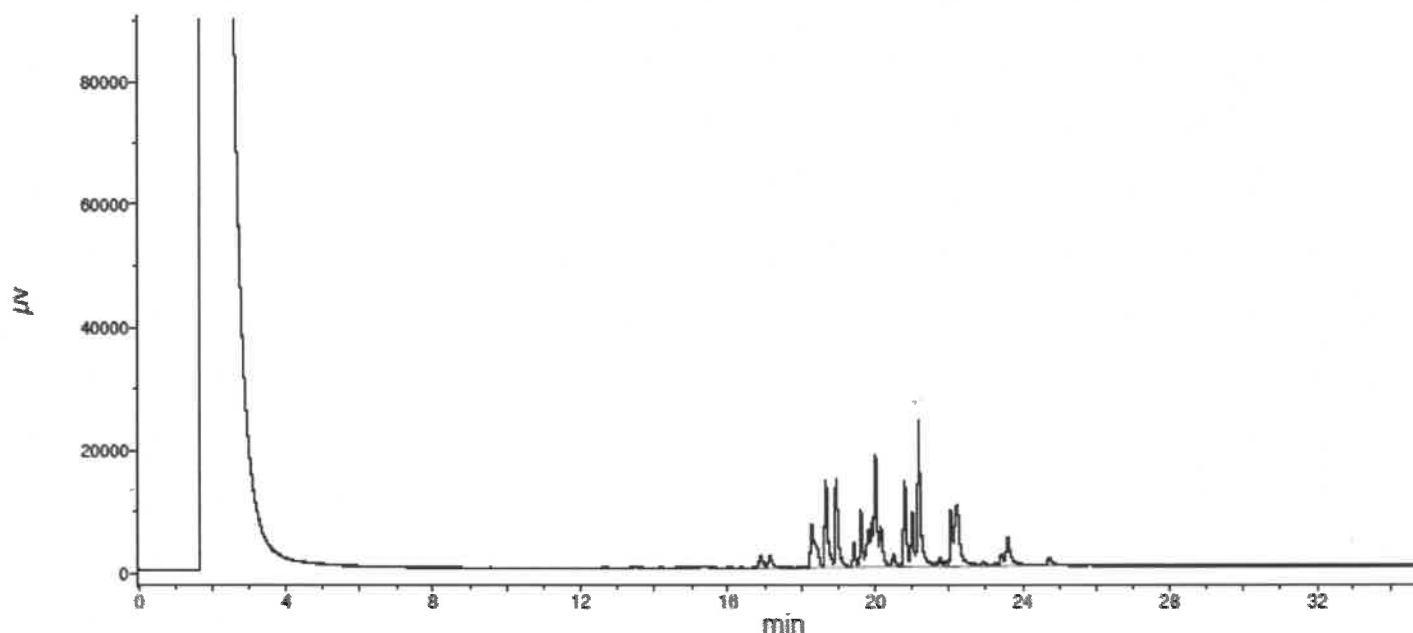


Run 20, "P90165 L112322 [1000 μ g/mL in hexane]"

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 X5 μ m film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5 μ L, Range=3





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

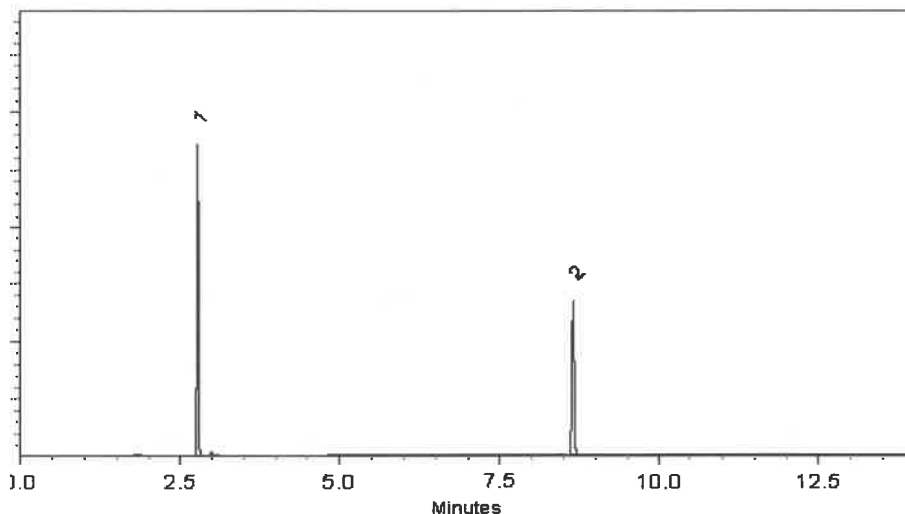
ECD

Split Vent:

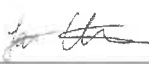
10 ml/min.

Inj. Vol

1µl

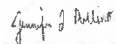


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

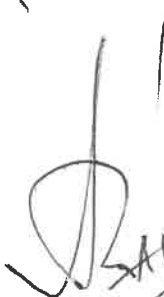
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
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P 13357
10


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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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.

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These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

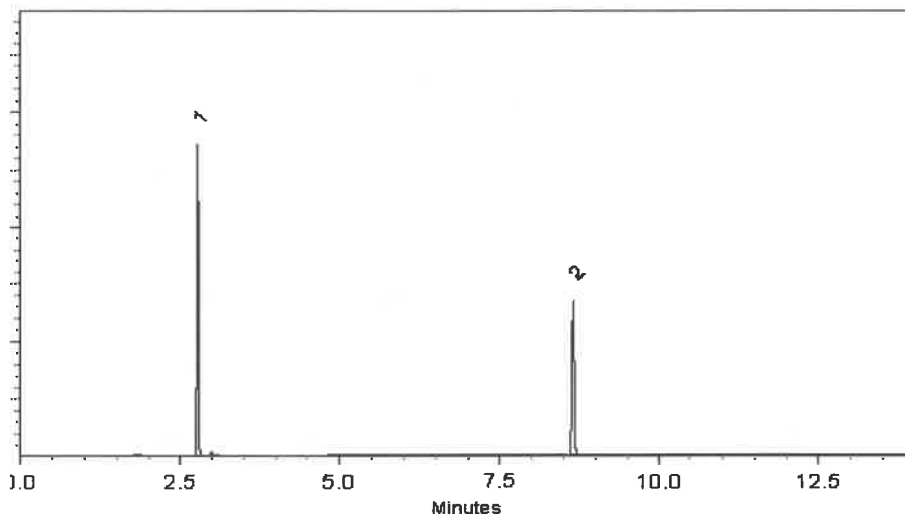
ECD

Split Vent:

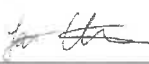
10 ml/min.

Inj. Vol

1µl

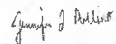


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

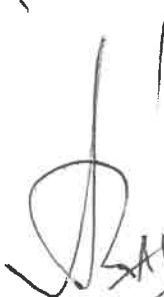
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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SAUF
04/25/2025

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
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/NCCL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133F2
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P133F3

AJ
05/06/24

Page: 1 of 2

CSD-QA-015.2

ISO 17025
Cert No. AT-1937



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

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. **Q1206**
QUOTE NO.
COC Number **2041690**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **RU2 Engineering LLC**
ADDRESS: **2 Melinda Drive**
CITY: **Monroe Twp, NJ 08831**
CITY: _____ ZIP: _____

ATTENTION: **Rutu Manani**

PHONE: **609-409-4564** FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: **SANDTWOBR BMLR 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: _____

ANALYSIS

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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. TCL VOCs
2. TCLP VOCs
3. TPH GRO-VOL
4. TCL SVOCs
5. TAL SVOCs
6. Pesticides
7. PCBs
8. PCB characteristics
9. Point filter
full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	JPP-20.1-012725	Soil		G	1/27/25	14:15	3	X	X	X								
2.	JPP-20.1-012725	Soil	L		1/27/25	14:18	7			X	X	X	X	X	X	X		
3.	JPP-16.3-012725	Soil		G	1/27/25	15:10	3	X	X	X								
4.	JPP-16.3-012725	Soil	L		1/27/25	15:18	7			X	X	X	X	X	X	X		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. RM	DATE/TIME: 1/28/2025	RECEIVED BY: [Signature] 1053 1-28-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: [Signature]	Comments: preserve extra sample jar if additional analysis is Required.
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1-28-25	RECEIVED BY: [Signature]	Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1206	RUTW01	Order Date : 1/28/2025 11:18:51 AM	YG	Project Mgr : Kiran
Client Name : RU2 Engineering, LLC		Project Name : ~~SANTWOBR-BMCR-Bro~~ 02/03/25		Report Type : NYS ASP B
Client Contact : Rutu Manani		Receive DateTime : 1/28/2025 12:59:00 PM		EDD Type : Excel NY
Invoice Name : RU2 Engineering, LLC		Purchase Order :		Hard Copy Date :
Invoice Contact : Rutu Manani				Date Signoff : 1/28/2025 2:56:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-01	JPP-20.1-012725	Solid	01/27/2025	14:15					
					VOCMS Group1		8260D		10 Bus. Days
Q1206-05	JPP-16.3-012725	Solid	01/27/2025	15:10					
					VOCMS Group1		8260D		10 Bus. Days

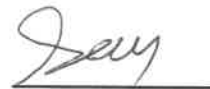
Relinquished By :

Date / Time :


1-28-25 1447

Received By :

Date / Time :


1/28/25 14:47 

Storage Area : VOA Refridgerator Room

LOGIN REPORT/SAMPLE TRANSFER

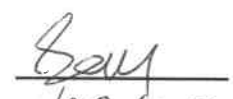
Order ID : Q1206	RUTW01	Order Date : 1/28/2025 11:18:51 AM	Project Mgr : Kiran
Client Name : RU2 Engineering, LLC	Project Name : ~~SANTWOBR-BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Report Type : NYS ASP B	
Client Contact : Rutu Manani	Receive DateTime : 1/28/2025 12:59:00 PM	EDD Type : Excel NY	
Invoice Name : RU2 Engineering, LLC	Purchase Order :	Hard Copy Date :	
Invoice Contact : Rutu Manani		Date Signoff : 1/28/2025 2:56:10 PM	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-0301	JPP-20.1-012725	Solid	01/27/2025	~~14:18~~ 14:15	Gasoline Range Organics		8015D		10 Bus. Days
Q1206-0705	JPP-16.3-012725	Solid	01/27/2025	~~15:17~~ 15:10	Gasoline Range Organics		8015D		10 Bus. Days
		YG	02/03/25						

Relinquished By: 

Date / Time :

1-28-25 1447

Received By: 

Date / Time :

1/28/25 14.47

Storage Area : VOA Refridgerator Room


P22