

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

LAB CHRONICLE

OrderID:	Q1858	OrderDate:	4/22/2025 2:54:00 PM
Client:	Kleinfelder	Project:	Henry Lea School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1858-01	COMP-1	SOIL	PCB Group1	8082A	04/21/25	04/23/25	04/23/25	04/22/25
Q1858-02	COMP-2	SOIL	PCB Group1	8082A	04/21/25	04/23/25	04/23/25	04/22/25
Q1858-03	COMP-3	SOIL	PCB Group1	8082A	04/21/25	04/23/25	04/23/25	04/22/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1858

Order ID: Q1858

Client: Kleinfelder

Project ID: Henry Lea School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **Q1858**

Client: **Kleinfelder**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO110348.D	PIBLK-PO110348.D	Tetrachloro-m-xylene	1	20	18.1	91		60	140
		Decachlorobiphenyl	1	20	19.2	96		60	140
		Tetrachloro-m-xylene	2	20	18.2	91		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
I.BLK-PO110642.D	PIBLK-PO110642.D	Tetrachloro-m-xylene	1	20	16.4	82		60	140
		Decachlorobiphenyl	1	20	15.2	76		60	140
		Tetrachloro-m-xylene	2	20	15.6	78		60	140
		Decachlorobiphenyl	2	20	16.2	81		60	140
PB167708BL	PB167708BL	Tetrachloro-m-xylene	1	20	20.3	102		32	144
		Decachlorobiphenyl	1	20	18.5	92		32	175
		Tetrachloro-m-xylene	2	20	18.9	94		32	144
		Decachlorobiphenyl	2	20	19.3	97		32	175
PB167708BS	PB167708BS	Tetrachloro-m-xylene	1	20	19.4	97		32	144
		Decachlorobiphenyl	1	20	18.8	94		32	175
		Tetrachloro-m-xylene	2	20	17.9	90		32	144
		Decachlorobiphenyl	2	20	19.3	96		32	175
I.BLK-PO110656.D	PIBLK-PO110656.D	Tetrachloro-m-xylene	1	20	16.9	85		60	140
		Decachlorobiphenyl	1	20	15.8	79		60	140
		Tetrachloro-m-xylene	2	20	16.1	80		60	140
		Decachlorobiphenyl	2	20	16.4	82		60	140
Q1858-01	COMP-1	Tetrachloro-m-xylene	1	20	22.0	110		32	144
		Decachlorobiphenyl	1	20	18.5	93		32	175
		Tetrachloro-m-xylene	2	20	20.8	104		32	144
		Decachlorobiphenyl	2	20	19.6	98		32	175
Q1858-02	COMP-2	Tetrachloro-m-xylene	1	20	22.9	114		32	144
		Decachlorobiphenyl	1	20	18.7	93		32	175
		Tetrachloro-m-xylene	2	20	21.6	108		32	144
		Decachlorobiphenyl	2	20	19.9	99		32	175
Q1858-03	COMP-3	Tetrachloro-m-xylene	1	20	21.0	105		32	144
		Decachlorobiphenyl	1	20	17.5	87		32	175
		Tetrachloro-m-xylene	2	20	20.0	100		32	144
		Decachlorobiphenyl	2	20	18.3	92		32	175
Q1859-01MS	COMP-1MS	Tetrachloro-m-xylene	1	20	18.1	91		32	144
		Decachlorobiphenyl	1	20	10.6	53		32	175
		Tetrachloro-m-xylene	2	20	17.0	85		32	144
		Decachlorobiphenyl	2	20	12.1	61		32	175
Q1859-01MSD	COMP-1MSD	Tetrachloro-m-xylene	1	20	19.5	97		32	144
		Decachlorobiphenyl	1	20	12.6	63		32	175
		Tetrachloro-m-xylene	2	20	18.3	91		32	144
		Decachlorobiphenyl	2	20	14.2	71		32	175
I.BLK-PO110671.D	PIBLK-PO110671.D	Tetrachloro-m-xylene	1	20	17.3	87		60	140

Surrogate Summary

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO110671.D	PIBLK-PO110671.D	Decachlorobiphenyl	1	20	16.0	80		60	140
		Tetrachloro-m-xylene	2	20	16.4	82		60	140
		Decachlorobiphenyl	2	20	16.7	83		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: 8082A

DataFile : PO110661.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	RPD
			Result	Result			Qual	RPD	Qual	Low	High	
Client Sample ID: Q1859-01MS	COMP-IMS											
	AR1016	209.2	0	178	ug/kg	85				55	146	
	AR1260	209.2	0	144	ug/kg	69				31	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: 8082A

DataFile : PO110662.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: Q1859-01MSD	COMP-1MSD											
	AR1016	209	0	191	ug/kg	91		7		55	146	20
	AR1260	209	0	154	ug/kg	74		7		31	146	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: 8082A Datafile : PO110645.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167708BS	AR1016	166.5	151	ug/kg	91				71	120	
	AR1260	166.5	145	ug/kg	87				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167708BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: Q1858

SAS No.: Q1858 SDG NO.: Q1858

Lab Sample ID: PB167708BL

Lab File ID: PO110644.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/23/2025

Date Analyzed (1): 04/23/2025

Date Analyzed (2): 04/23/2025

Time Analyzed (1): 12:31

Time Analyzed (2): 12:31

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
PB167708BS	PB167708BS	PO110645.D	04/23/2025	04/23/2025
COMP-1	Q1858-01	PO110657.D	04/23/2025	04/23/2025
COMP-2	Q1858-02	PO110658.D	04/23/2025	04/23/2025
COMP-3	Q1858-03	PO110659.D	04/23/2025	04/23/2025
COMP-1MS	Q1859-01MS	PO110661.D	04/23/2025	04/23/2025
COMP-1MSD	Q1859-01MSD	PO110662.D	04/23/2025	04/23/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/21/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-1	SDG No.:	Q1858
Lab Sample ID:	Q1858-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	83.9 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110657.D	1	04/23/25 08:35	04/23/25 18:26	PB167708

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.2	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.2	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		32 - 144	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		32 - 175	98%	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\P0042325\
 Data File : PO110657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 18:26
 Operator : YP/AJ
 Sample : Q1858-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 COMP-1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:14:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.683	192.6E6	103.7E6	22.017	20.783
2) SA Decachlor...	8.729	8.680	146.2E6	37625687	18.521	19.546

Target Compounds

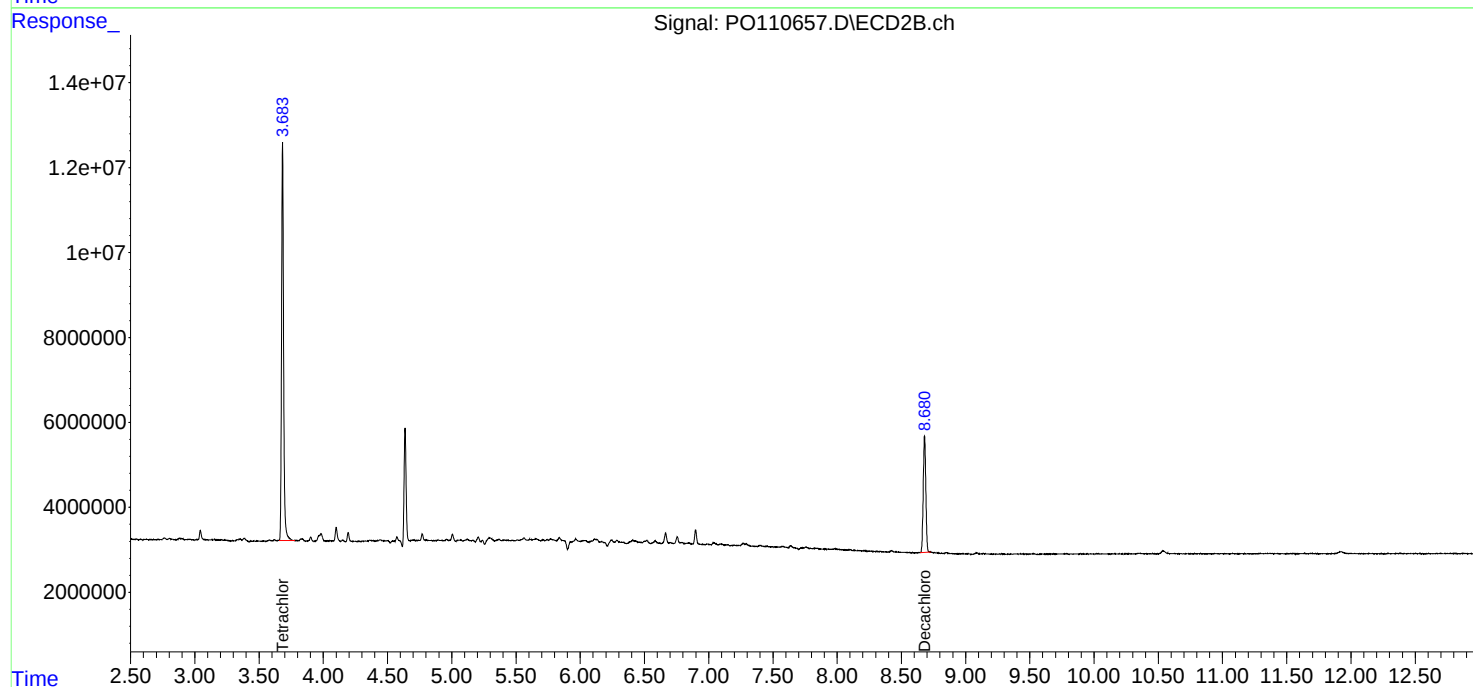
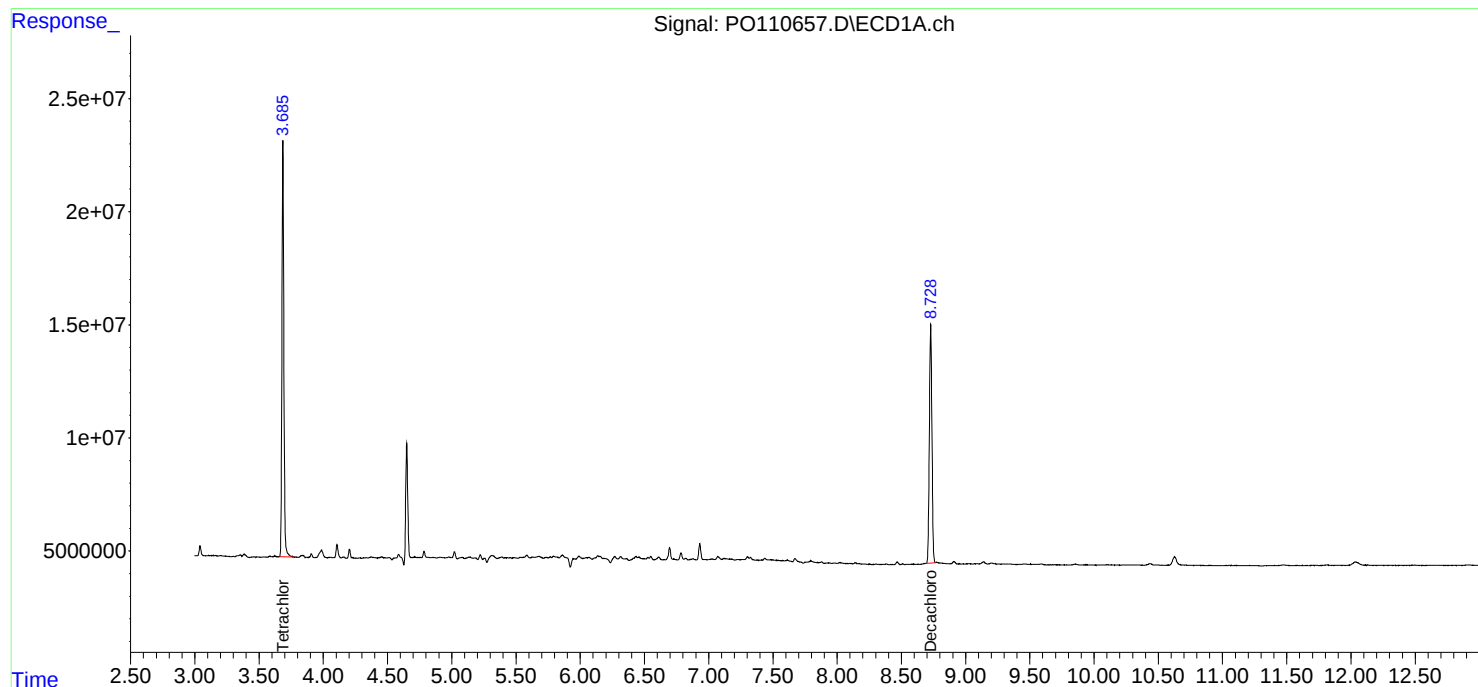
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

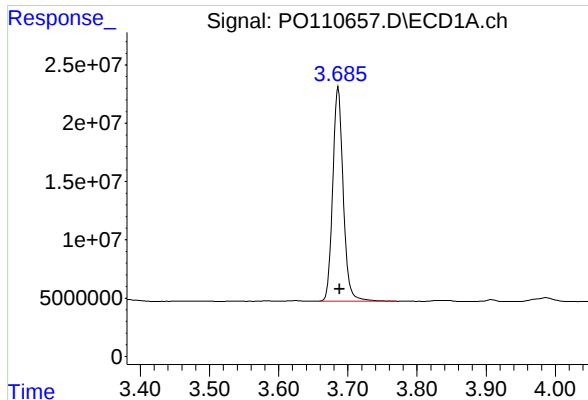
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 18:26
Operator : YP/AJ
Sample : Q1858-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
COMP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : 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

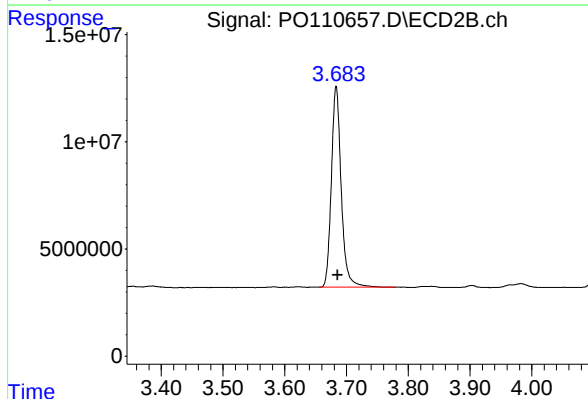




#1 Tetrachloro-m-xylene

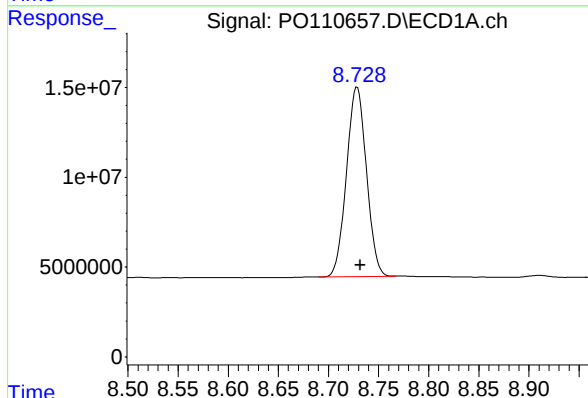
R.T.: 3.686 min
Delta R.T.: -0.002 min
Response: 192631498
Conc: 22.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1



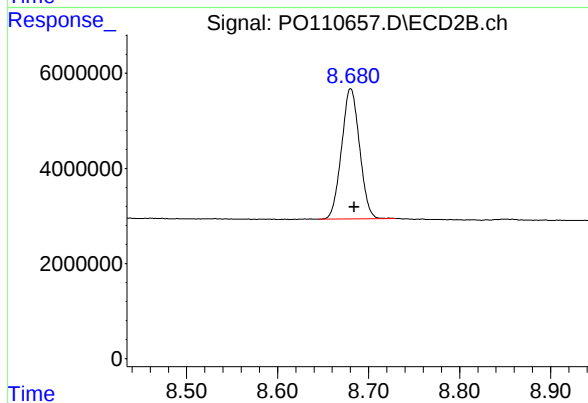
#1 Tetrachloro-m-xylene

R.T.: 3.683 min
Delta R.T.: -0.002 min
Response: 103704496
Conc: 20.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: -0.003 min
Response: 146226053
Conc: 18.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 37625687
Conc: 19.55 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/21/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-2	SDG No.:	Q1858
Lab Sample ID:	Q1858-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110658.D	1	04/23/25 08:35	04/23/25 18:44	PB167708

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	20.9	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.9	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	20.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		32 - 144	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		32 - 175	99%	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\P0042325\
 Data File : PO110658.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 18:44
 Operator : YP/AJ
 Sample : Q1858-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 COMP-2

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:14:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.683	199.9E6	108.0E6	22.847	21.654
2) SA Decachlor...	8.729	8.681	147.4E6	38221094	18.668	19.855

Target Compounds

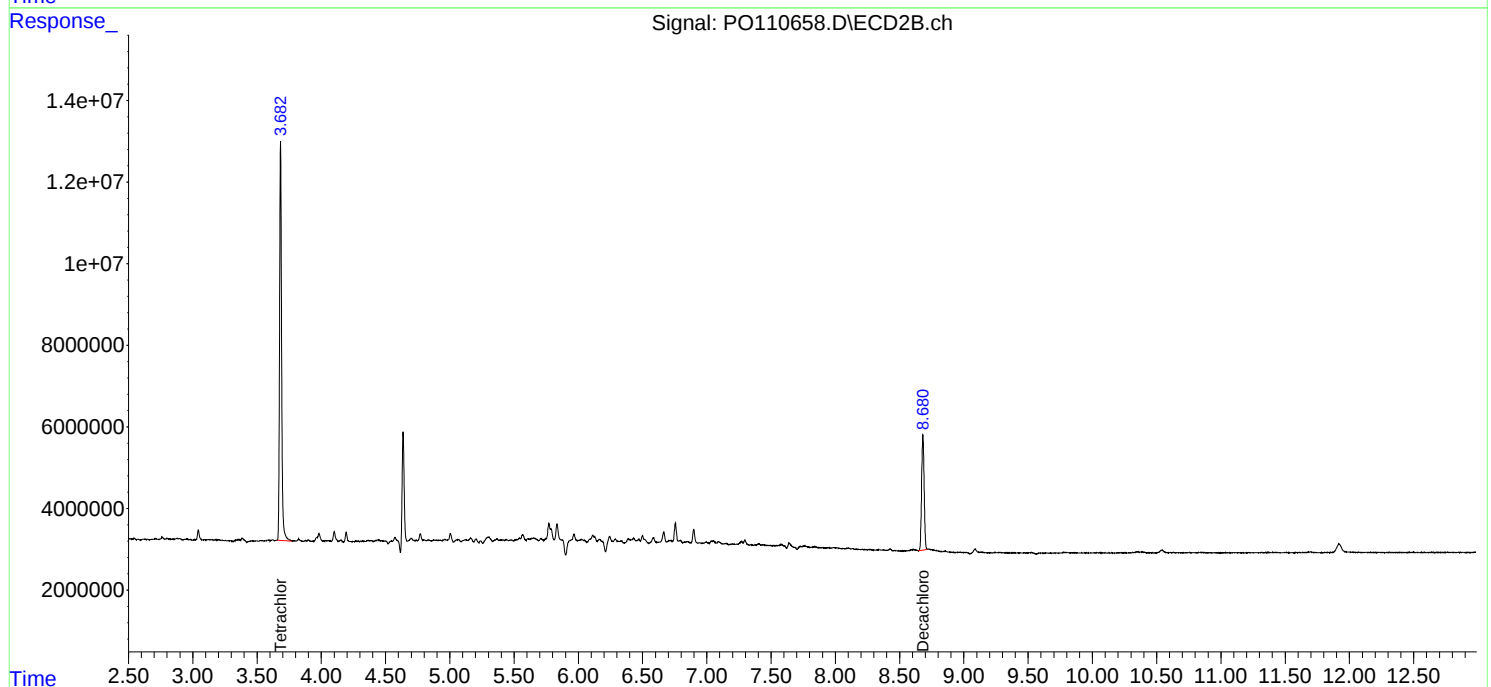
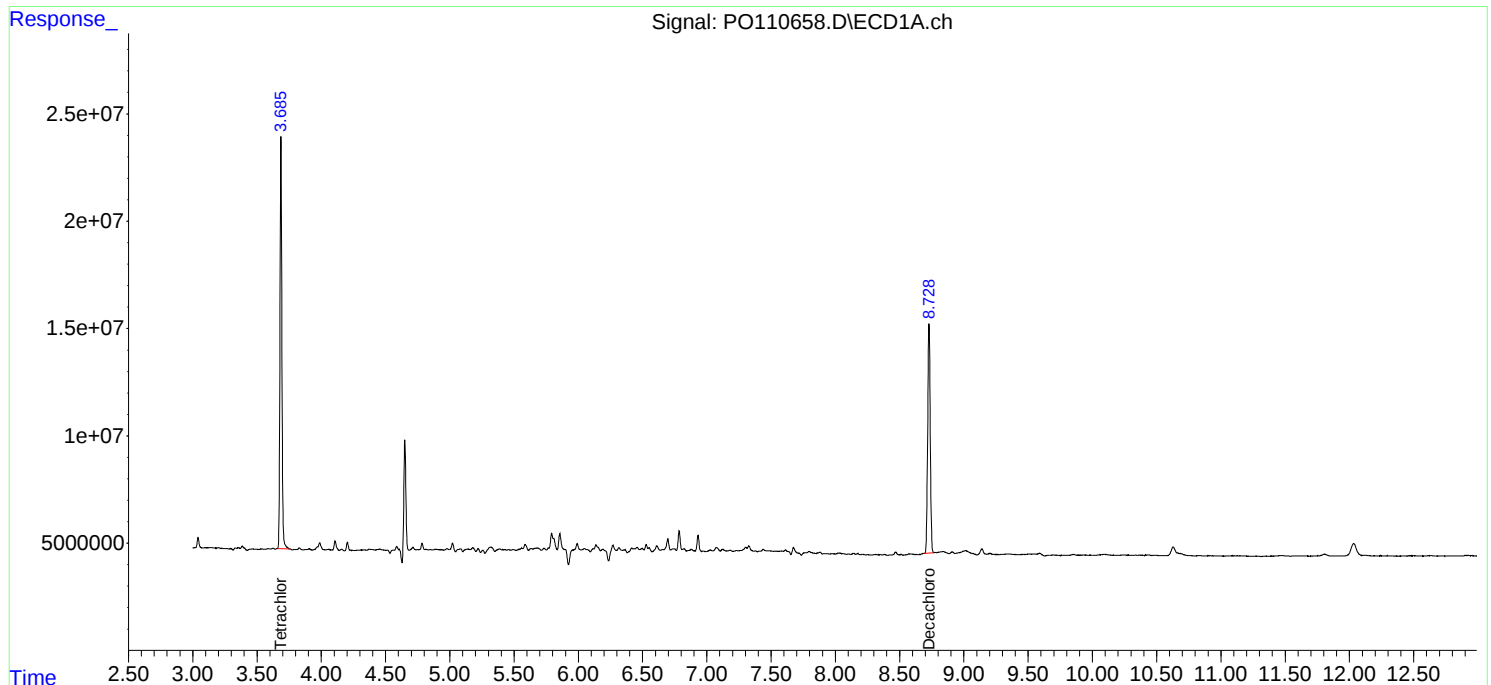
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

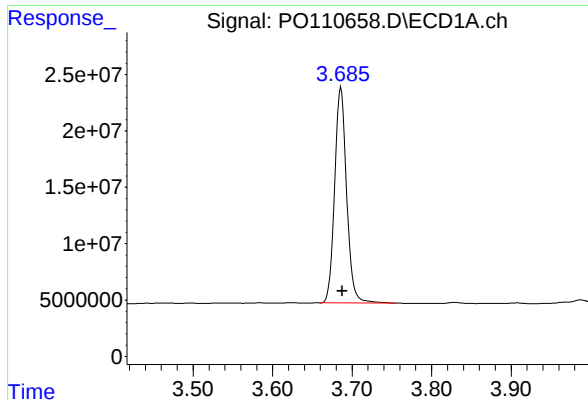
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 18:44
Operator : YP/AJ
Sample : Q1858-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
COMP-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:14:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : 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

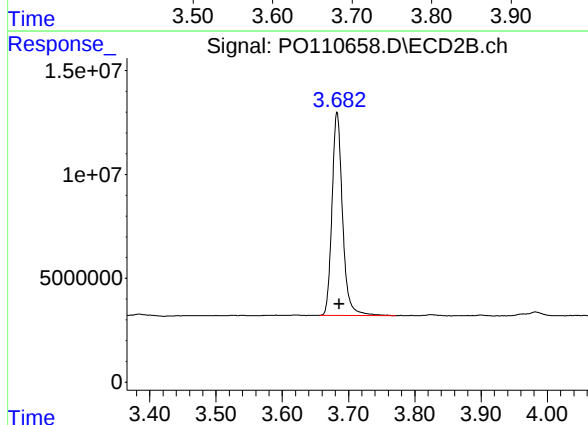




#1 Tetrachloro-m-xylene

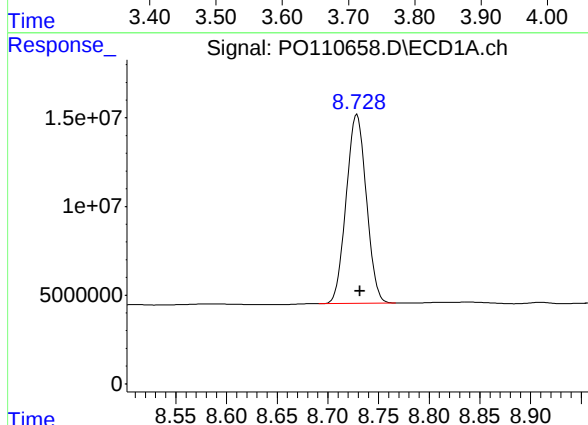
R.T.: 3.686 min
Delta R.T.: -0.002 min
Response: 199888227
Conc: 22.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-2



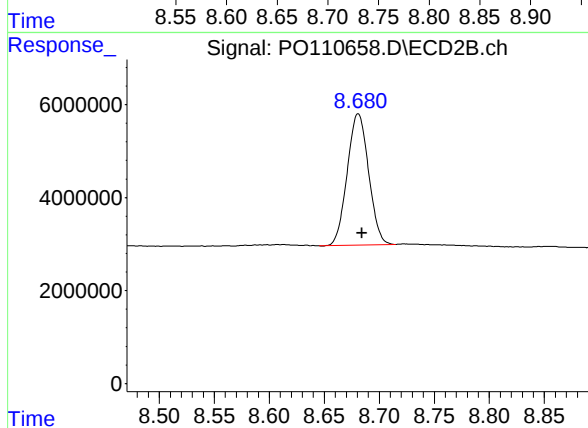
#1 Tetrachloro-m-xylene

R.T.: 3.683 min
Delta R.T.: -0.003 min
Response: 108048069
Conc: 21.65 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: -0.003 min
Response: 147384471
Conc: 18.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 38221094
Conc: 19.86 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/21/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-3	SDG No.:	Q1858
Lab Sample ID:	Q1858-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110659.D	1	04/23/25 08:35	04/23/25 19:02	PB167708

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.6	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.6	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		32 - 175	92%	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\P0042325\
 Data File : PO110659.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 19:02
 Operator : YP/AJ
 Sample : Q1858-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 COMP-3

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:15:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.685	3.683	183.5E6	99997028	20.974	20.040
2) SA Decachlor...	8.727	8.680	137.9E6	35256888	17.464	18.315

Target Compounds

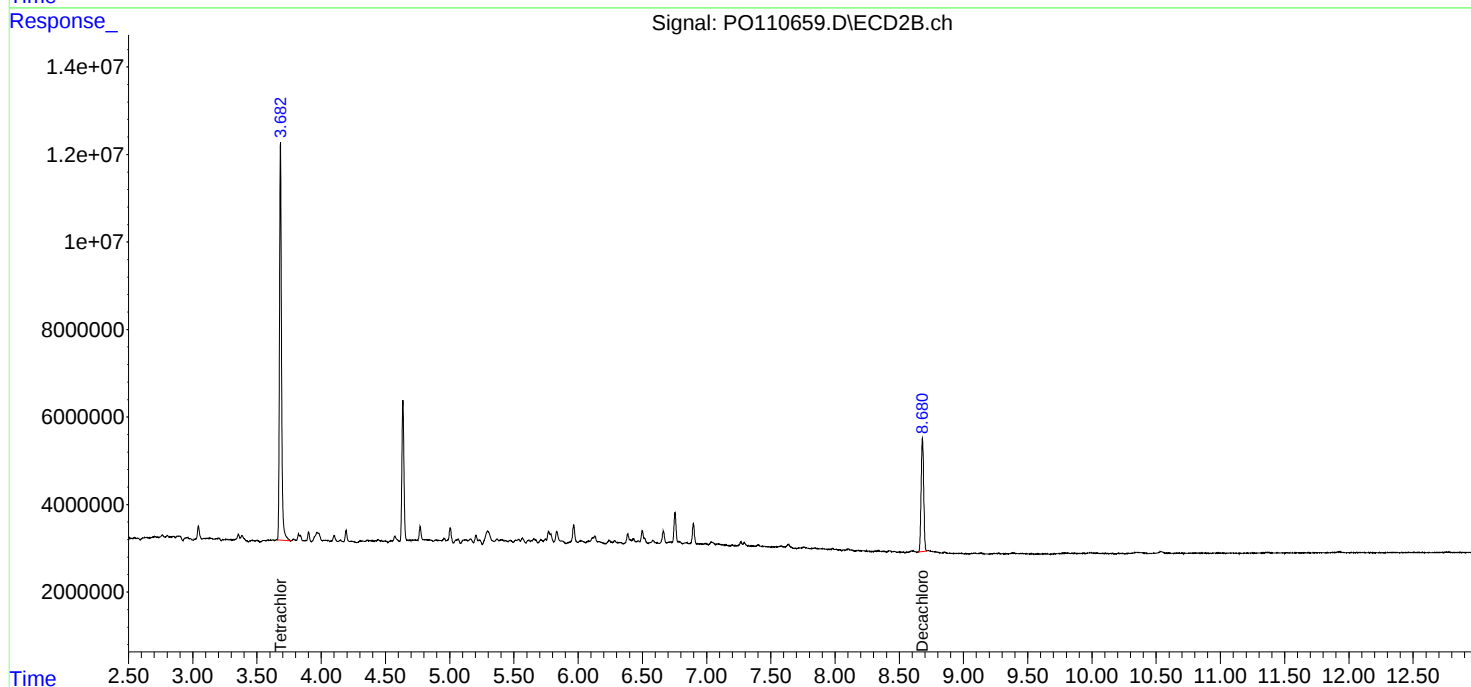
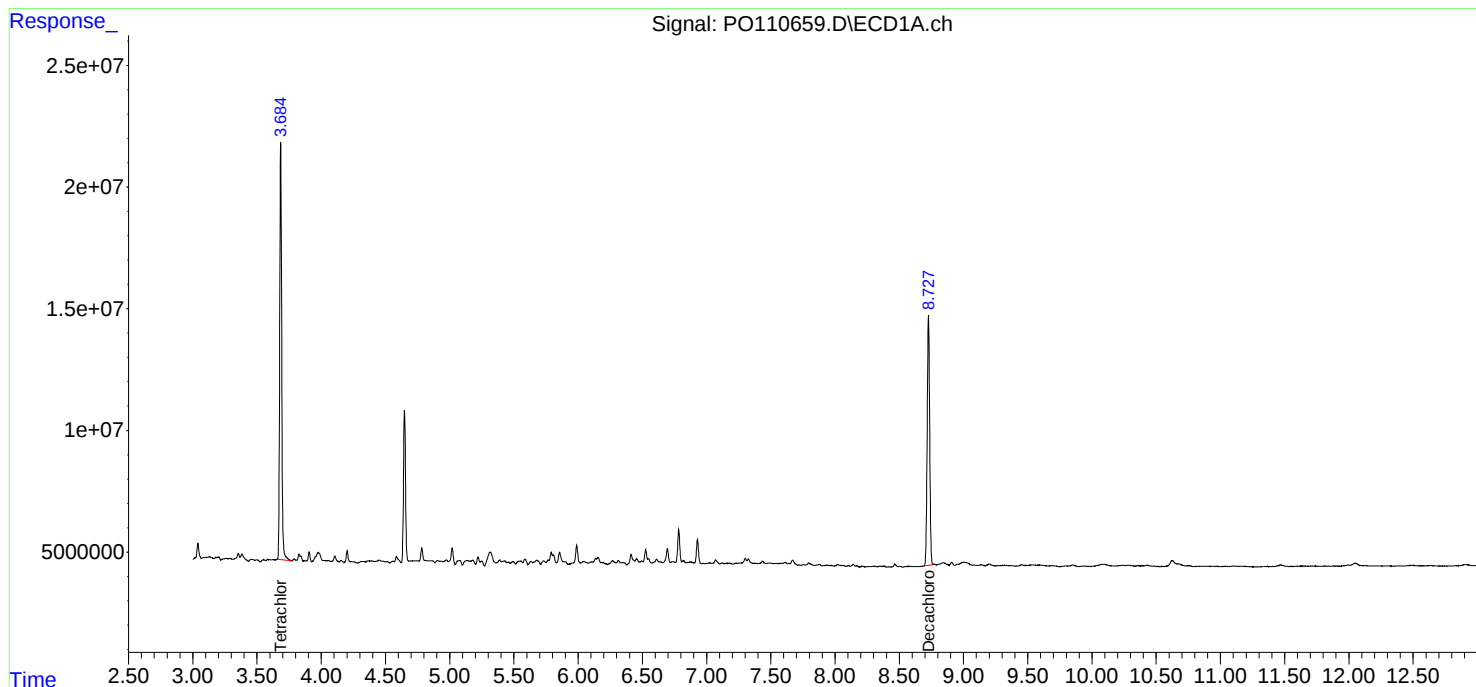
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

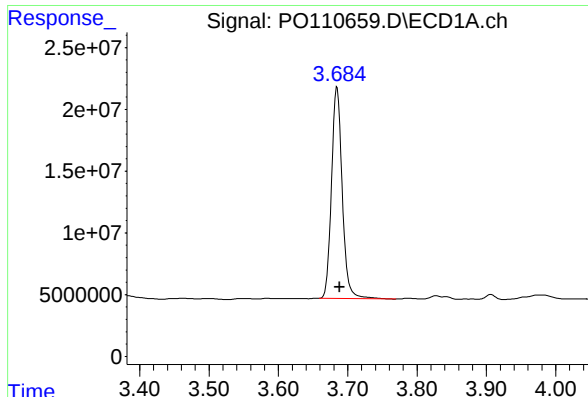
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 19:02
Operator : YP/AJ
Sample : Q1858-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
COMP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:15:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : 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

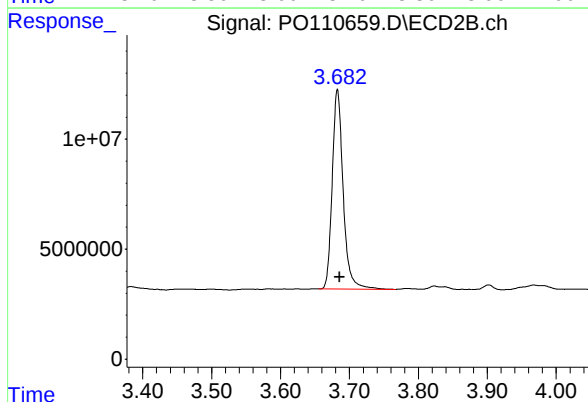




#1 Tetrachloro-m-xylene

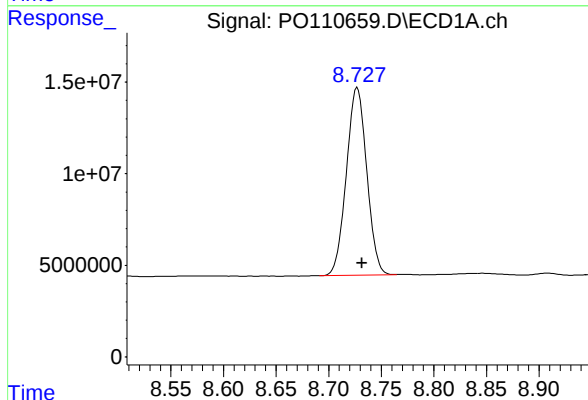
R.T.: 3.685 min
Delta R.T.: -0.003 min
Response: 183500802
Conc: 20.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-3



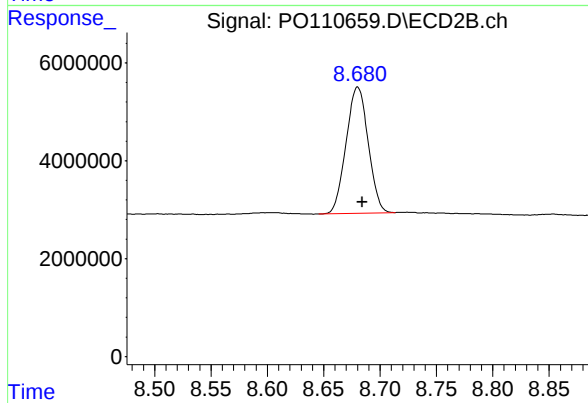
#1 Tetrachloro-m-xylene

R.T.: 3.683 min
Delta R.T.: -0.003 min
Response: 99997028
Conc: 20.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: -0.004 min
Response: 137879528
Conc: 17.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 35256888
Conc: 18.32 ng/ml



CALIBRATION SUMMARY

Calibration Times: 09:36 17:52

LAB FILE ID: RT 1000 = PO110349.D RT 750 = PO110350.D
RT 500 = PO110351.D RT 250 = PO110352.D RT 050 = PO110353.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02Lab Code: CHEMCase No.: Q1858SAS No.: Q1858SDG NO.: Q1858Instrument ID: ECD_OCalibration Date(s): 04/10/2025 04/10/2025Calibration Times: 09:36 17:52GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:	RT 1000 = <u>PO110349.D</u>	RT 750 = <u>PO110350.D</u>
RT 500 = <u>PO110351.D</u>	RT 250 = <u>PO110352.D</u>	RT 050 = <u>PO110353.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.78	4.79	4.78	4.78	4.79	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-4	(4)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1016-5	(5)	5.22	5.22	5.22	5.21	5.22	5.22	5.12	5.32
Aroclor-1260-1	(1)	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Aroclor-1260-2	(2)	6.43	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Aroclor-1260-4	(4)	7.06	7.06	7.06	7.06	7.06	7.06	6.96	7.16
Aroclor-1260-5	(5)	7.30	7.30	7.30	7.30	7.30	7.30	7.20	7.40
Decachlorobiphenyl		8.69	8.69	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.69	3.69	3.68	3.69	3.68	3.69	3.59	3.79
Decachlorobiphenyl		8.68	8.69	8.69	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.68	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-4	(4)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.69	3.69	3.69	3.68	3.69	3.69	3.59	3.79
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.69	3.69	3.68	3.68	3.58	3.78



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Instrument ID: ECD_O

Calibration Date(s): 04/10/2025 04/10/2025

Calibration Times: 09:36 17:52

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

LAB FILE ID:		CF 1000 = <u>PO110349.D</u>		CF 750 = <u>PO110350.D</u>			
CF 500 = <u>PO110351.D</u>		CF 250 = <u>PO110352.D</u>		CF 050 = <u>PO110353.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	301539199	312147691	325366094	341425388	360239300	328143534 7
Aroclor-1016-2	(2)	424202495	441346851	452587054	472466840	484138100	454948268 5
Aroclor-1016-3	(3)	286857785	300177247	315792572	336640016	373170260	322527576 10
Aroclor-1016-4	(4)	227624644	238137328	247842320	261218376	270999820	249164498 7
Aroclor-1016-5	(5)	238190199	250655776	262830422	281583724	311798080	269011640 11
Aroclor-1260-1	(1)	429982139	447081743	462005040	490865312	532292280	472445303 9
Aroclor-1260-2	(2)	524274151	548276752	560001580	596374412	703195060	586424391 12
Aroclor-1260-3	(3)	446012749	466468717	482076654	511871688	557932460	492872454 9
Aroclor-1260-4	(4)	382143422	400404183	417623168	445374396	476569960	424423026 9
Aroclor-1260-5	(5)	1002895230	1031868237	1046125762	1065122080	1071346720	1043471606 3
Decachlorobiphenyl		7251274760	7526590267	7768647820	8211713920	8716546400	7894954633 7
Tetrachloro-m-xylene		8603197440	8796106920	8951138380	8737007280	8657843200	8749058644 2
Decachlorobiphenyl		7236681930	7570895773	7844756000	8188613360	8340739400	7836337293 6
Tetrachloro-m-xylene		8271521710	8776052907	8899890520	8994445160	8028934800	8594169019 5
Decachlorobiphenyl		7423367890	7666646707	8031765140	8382357480	8221484000	7945124243 5
Tetrachloro-m-xylene		8572177400	8675092440	8959183240	8875828960	7878695600	8592195528 5
Aroclor-1254-1	(1)	517202507	536393799	555537214	581626948	599185020	557989098 6
Aroclor-1254-2	(2)	450798901	468206104	477861830	506770124	524875880	485702568 6
Aroclor-1254-3	(3)	746169545	769125461	779743060	811121676	809948840	783221716 4
Aroclor-1254-4	(4)	460149954	473941677	490156778	505394424	508383480	487605263 4
Aroclor-1254-5	(5)	657635451	678198725	698380664	724566284	745718260	700899877 5
Decachlorobiphenyl		7612990370	7886723680	8142983840	8479059160	8719027400	8168156890 5
Tetrachloro-m-xylene		8665092200	8825966600	8709112240	8974669960	8357494600	8706467120 3
Decachlorobiphenyl		14008782040	14232407573	14386243640	14978905640	14264840400	14374235859 3
Tetrachloro-m-xylene		8842756020	8685831240	8461342580	8927106240	7893566400	8562120496 5



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Instrument ID: ECD_O

Calibration Date(s): 04/10/2025 04/10/2025

Calibration Times: 09:36 17:52

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

LAB FILE ID:		CF 1000 = <u>PO110349.D</u>		CF 750 = <u>PO110350.D</u>			
CF 500 = <u>PO110351.D</u>		CF 250 = <u>PO110352.D</u>		CF 050 = <u>PO110353.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	159213491	166153001	173161426	184455932	194563640	175509498
Aroclor-1016-2	(2)	235577328	244073360	249915638	259769828	267988640	251464959
Aroclor-1016-3	(3)	123754519	129314112	134837594	142342816	148305560	135710920
Aroclor-1016-4	(4)	100154968	106815488	112688448	121621132	130559280	114367863
Aroclor-1016-5	(5)	131736277	138471012	145266388	155239544	174656140	149073872
Aroclor-1260-1	(1)	221282381	231306280	240804372	256804492	279620260	245963557
Aroclor-1260-2	(2)	260045501	271771868	281572488	298549944	346814040	291750768
Aroclor-1260-3	(3)	243412958	253822376	261595986	277903536	317685740	270884119
Aroclor-1260-4	(4)	177247956	186943988	195746612	210913364	232348220	200640028
Aroclor-1260-5	(5)	430279301	445092429	452357666	469475868	497083160	458857685
Decachlorobiphenyl		1704536950	1791384040	1872045360	2025627840	2231357400	1924990318
Tetrachloro-m-xylene		4868987290	4975470093	5049711440	5093085920	4961663200	4989783589
Decachlorobiphenyl		1618576700	1765984867	1877839140	2017748840	2043806200	1864791149
Tetrachloro-m-xylene		4668026020	4940087107	5018557540	5112714200	4785540800	4904985133
Decachlorobiphenyl		1708281780	1752376693	1900332500	2015603280	2024700800	1880259011
Tetrachloro-m-xylene		4827908270	4873975707	5038663740	4997540000	4437882400	4835194023
Aroclor-1254-1	(1)	275528987	285381728	296386294	310788612	339409960	301499116
Aroclor-1254-2	(2)	239912515	249193828	258146844	274680708	301492780	264685335
Aroclor-1254-3	(3)	379979735	392440955	403528434	417422392	423708940	403416091
Aroclor-1254-4	(4)	215870098	222432417	229245508	238627400	242389020	229712889
Aroclor-1254-5	(5)	307722172	319481015	330728230	346867608	356659680	332291741
Decachlorobiphenyl		1672742580	1794748347	1901326780	2085791440	2132484800	1917418789
Tetrachloro-m-xylene		4865625930	4959437227	4872791400	5058078960	4761547200	4903496143
Decachlorobiphenyl		3018392240	3167067147	3278510040	3500677320	3503309000	3293591149
Tetrachloro-m-xylene		4973805090	4889835600	4772598500	5033958160	4487276800	4831494830



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110349.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 09:36
 Operator : YP/AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 10:56:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 10:56:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	860.3E6	486.9E6	98.018	98.178
2) SA Decachlor...	8.732	8.685	725.1E6	170.5E6	96.555	95.317
Target Compounds						
3) L1 AR-1016-1	4.779	4.765	301.5E6	159.2E6	961.993	958.036
4) L1 AR-1016-2	4.798	4.784	424.2E6	235.6E6	967.627	970.466
5) L1 AR-1016-3	4.855	4.960	286.9E6	123.8E6	951.987	957.141
6) L1 AR-1016-4	4.975	5.002	227.6E6	100.2E6	957.478	941.114
7) L1 AR-1016-5	5.232	5.215	238.2E6	131.7E6	950.820	951.155
31) L7 AR-1260-1	6.272	6.246	430.0E6	221.3E6	964.099	957.753
32) L7 AR-1260-2	6.461	6.434	524.3E6	260.0E6	967.049	960.254
33) L7 AR-1260-3	6.828	6.586	446.0E6	243.4E6	961.142	963.995
34) L7 AR-1260-4	7.089	7.058	382.1E6	177.2E6	955.637	950.405
35) L7 AR-1260-5	7.330	7.299	1002.9E6	430.3E6	978.902	974.986

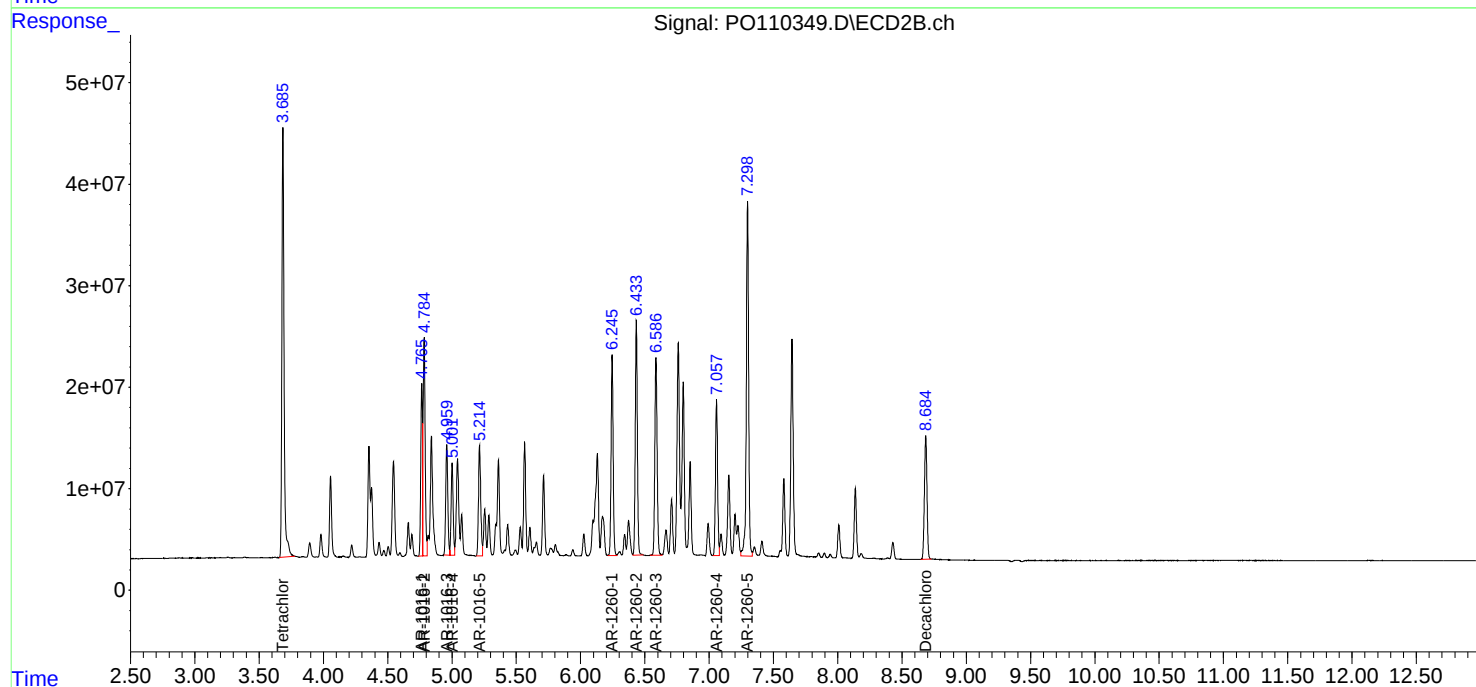
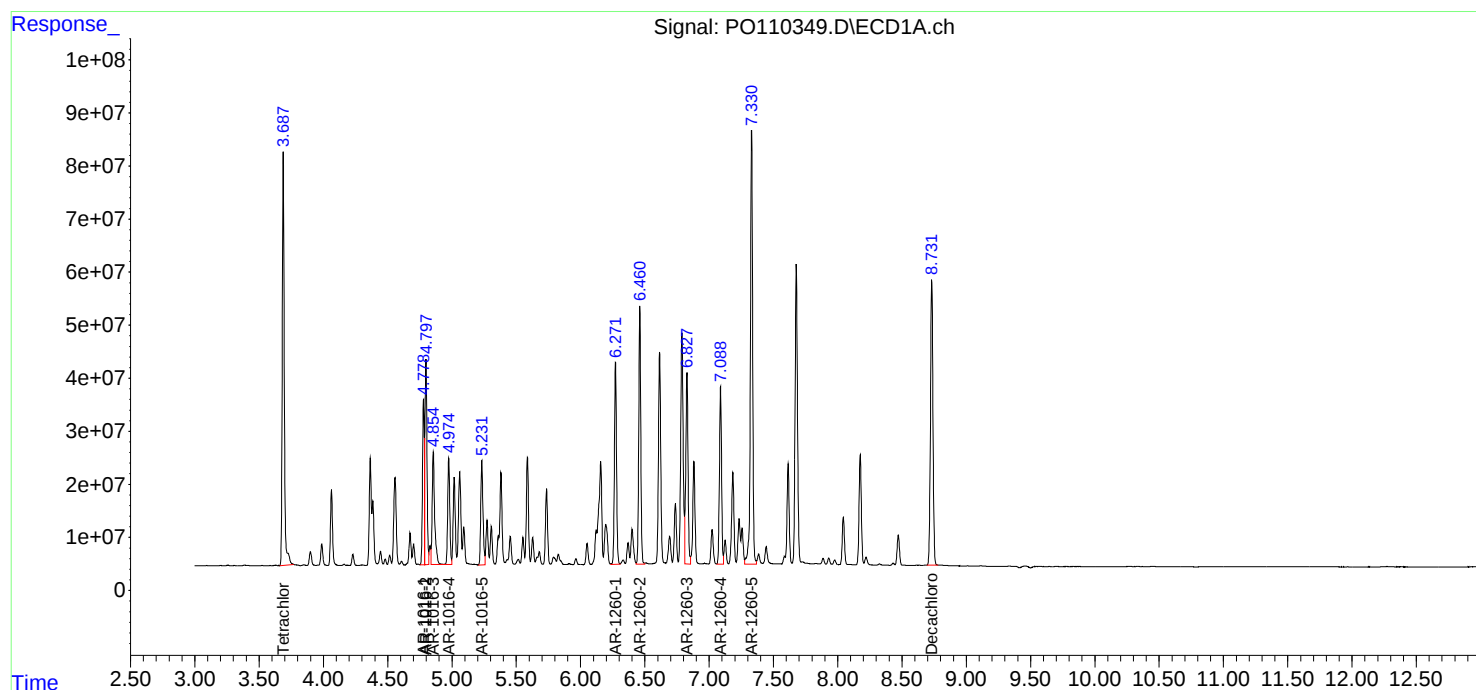
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

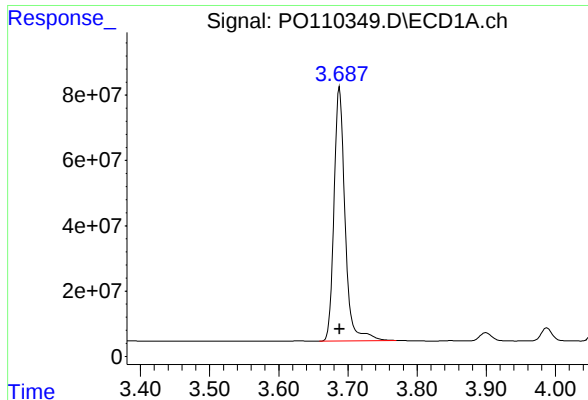
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110349.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 09:36
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 10:56:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 10:56:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

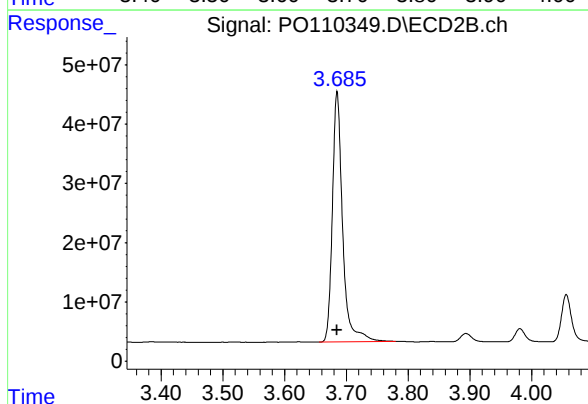




#1 Tetrachloro-m-xylene

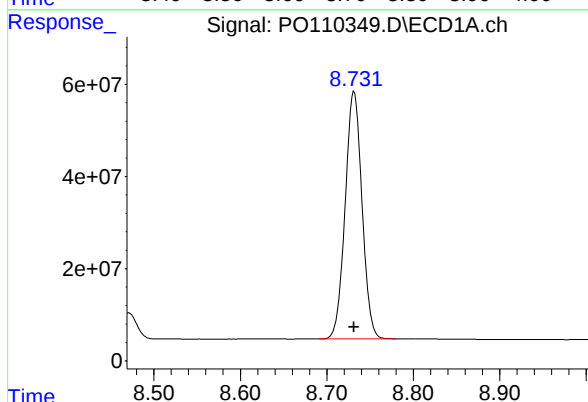
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 860319744
Conc: 98.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



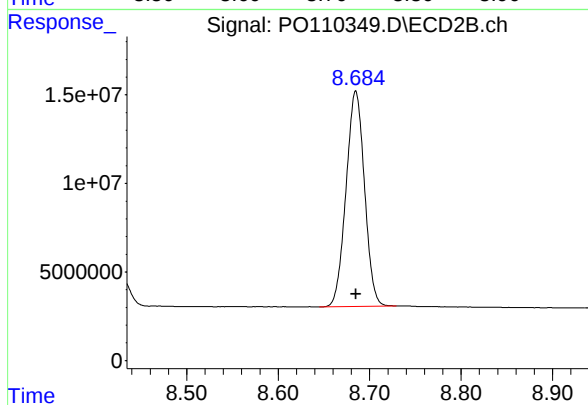
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 486898729
Conc: 98.18 ng/ml



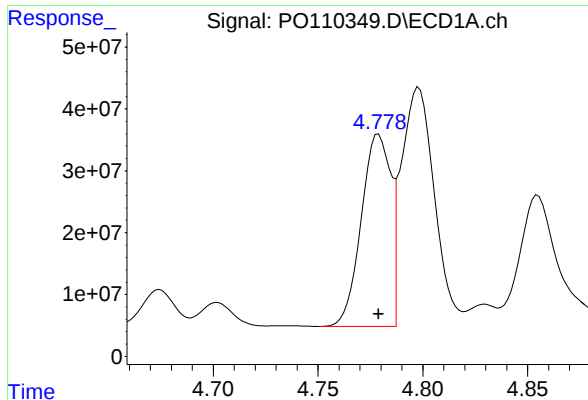
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 725127476
Conc: 96.56 ng/ml



#2 Decachlorobiphenyl

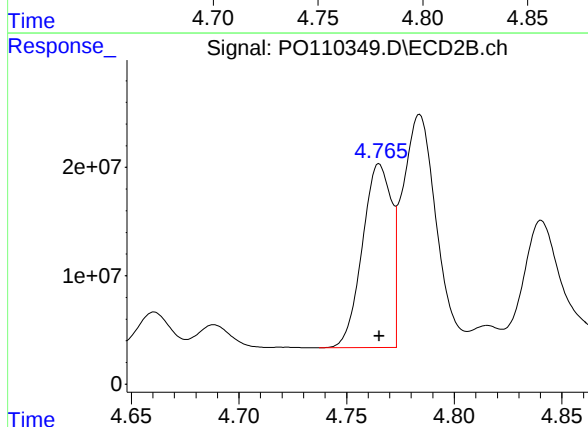
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 170453695
Conc: 95.32 ng/ml



#3 AR-1016-1

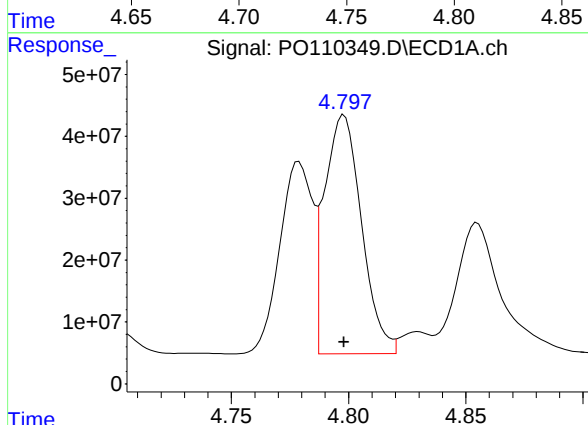
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 301539199
Conc: 961.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



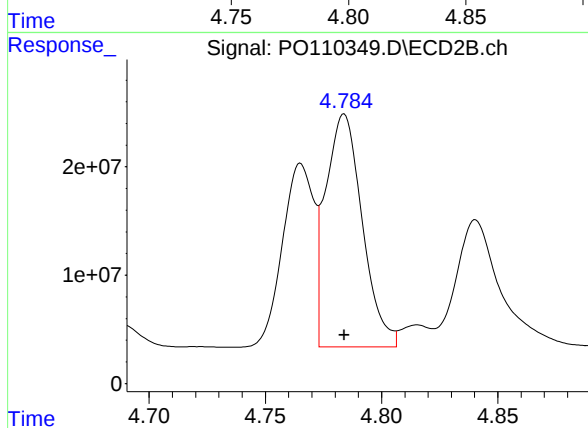
#3 AR-1016-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 159213491
Conc: 958.04 ng/ml



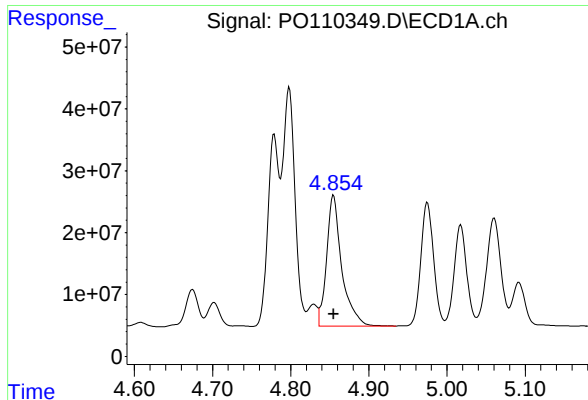
#4 AR-1016-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 424202495
Conc: 967.63 ng/ml



#4 AR-1016-2

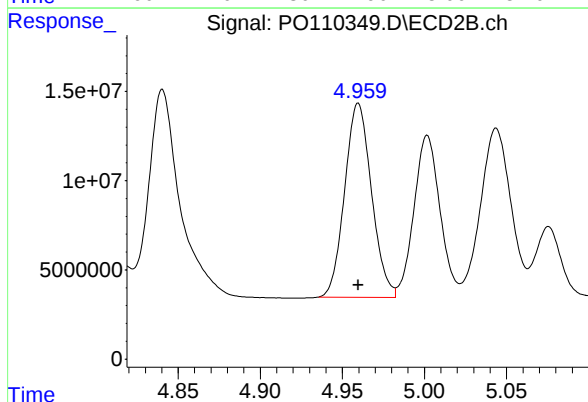
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 235577328
Conc: 970.47 ng/ml



#5 AR-1016-3

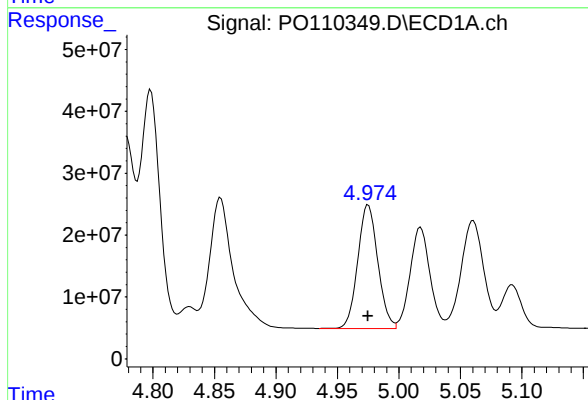
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 286857785
Conc: 951.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



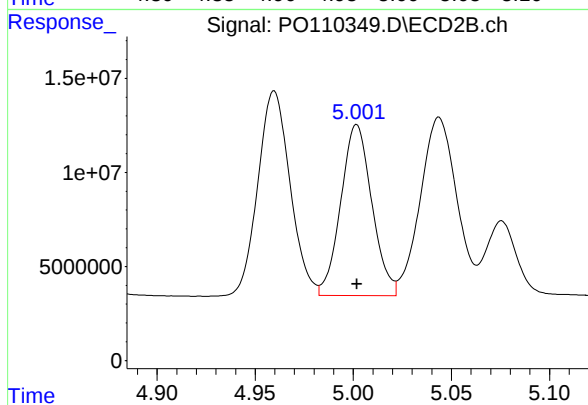
#5 AR-1016-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 123754519
Conc: 957.14 ng/ml



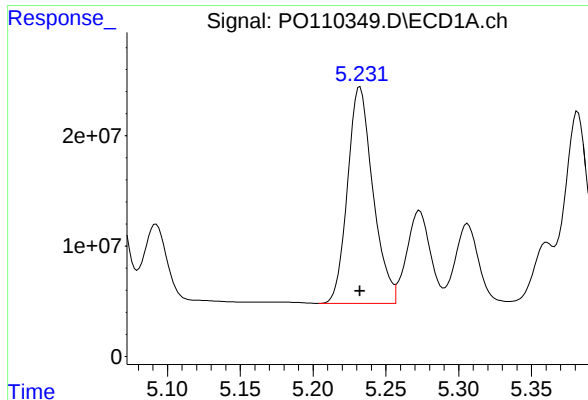
#6 AR-1016-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 227624644
Conc: 957.48 ng/ml



#6 AR-1016-4

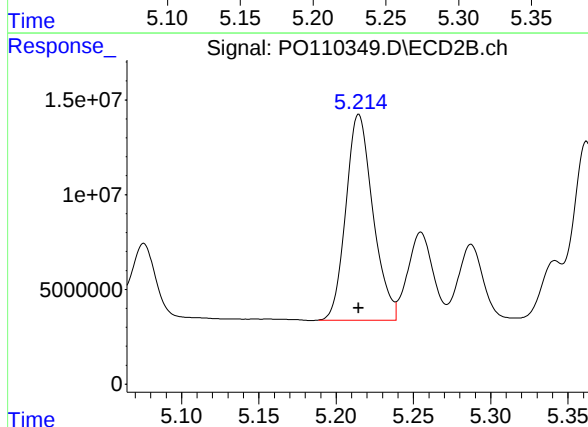
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 100154968
Conc: 941.11 ng/ml



#7 AR-1016-5

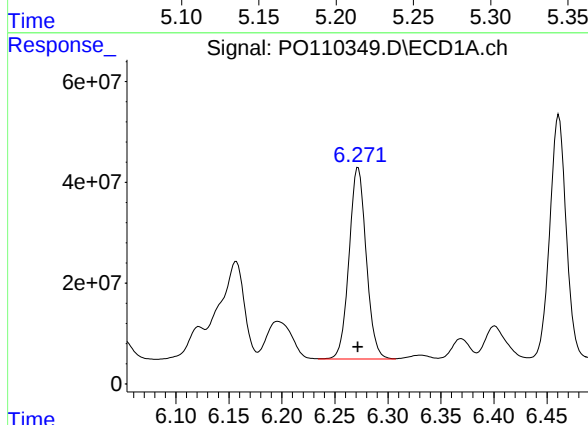
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 238190199
Conc: 950.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



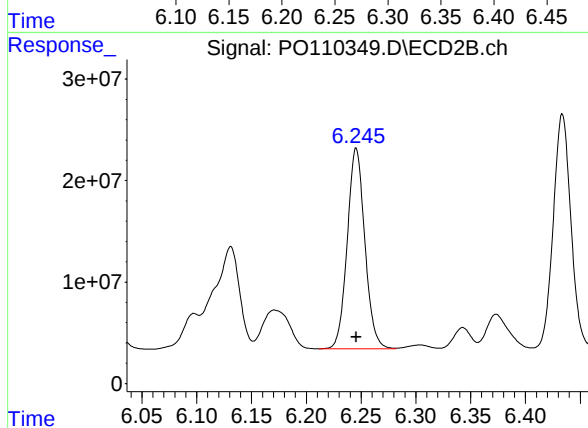
#7 AR-1016-5

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 131736277
Conc: 951.16 ng/ml



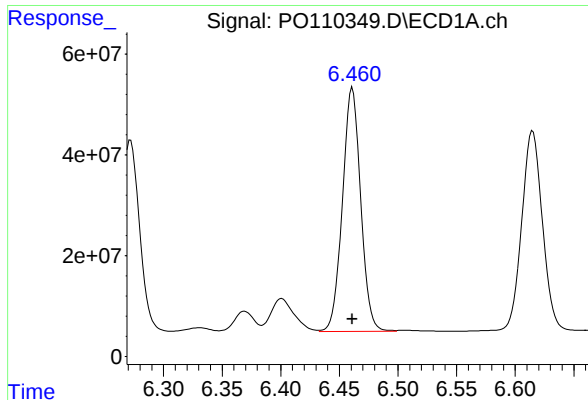
#31 AR-1260-1

R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 429982139
Conc: 964.10 ng/ml



#31 AR-1260-1

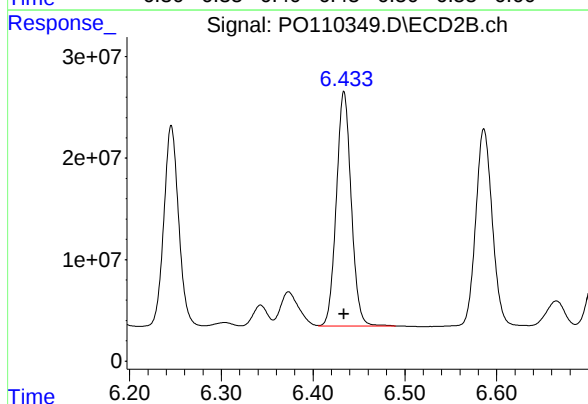
R.T.: 6.246 min
Delta R.T.: 0.000 min
Response: 221282381
Conc: 957.75 ng/ml



#32 AR-1260-2

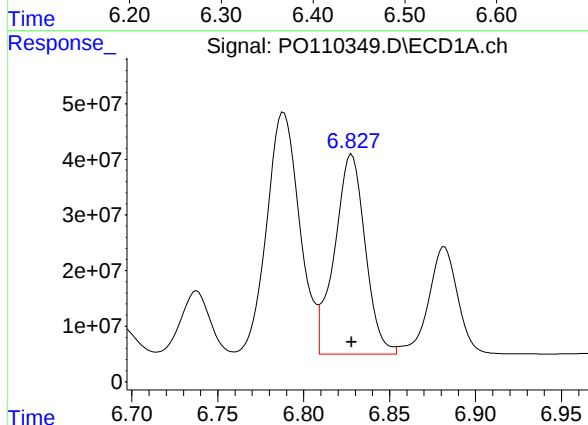
R.T.: 6.461 min
Delta R.T.: 0.000 min
Response: 524274151
Conc: 967.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



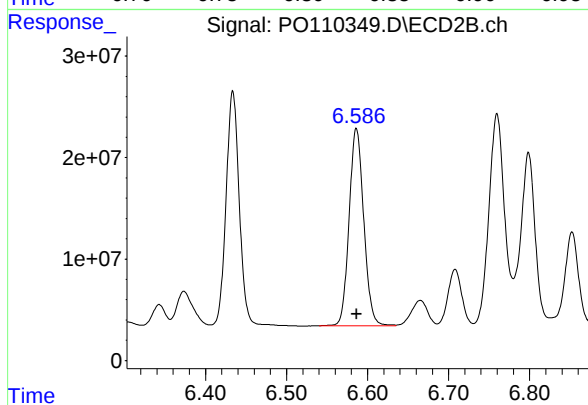
#32 AR-1260-2

R.T.: 6.434 min
Delta R.T.: 0.000 min
Response: 260045501
Conc: 960.25 ng/ml



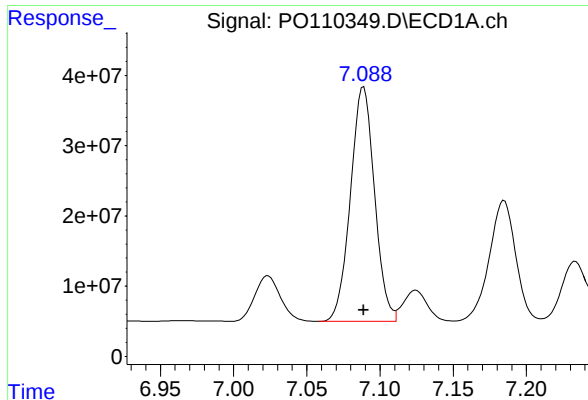
#33 AR-1260-3

R.T.: 6.828 min
Delta R.T.: 0.000 min
Response: 446012749
Conc: 961.14 ng/ml



#33 AR-1260-3

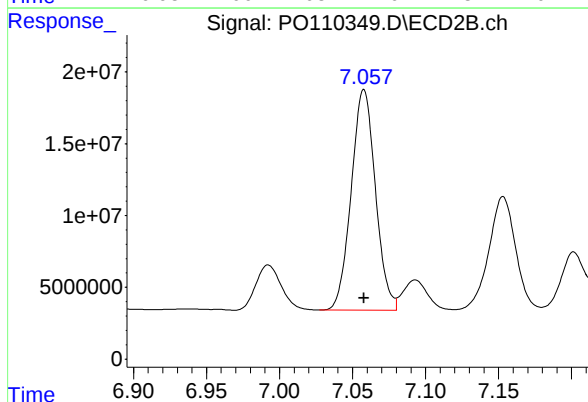
R.T.: 6.586 min
Delta R.T.: 0.000 min
Response: 243412958
Conc: 963.99 ng/ml



#34 AR-1260-4

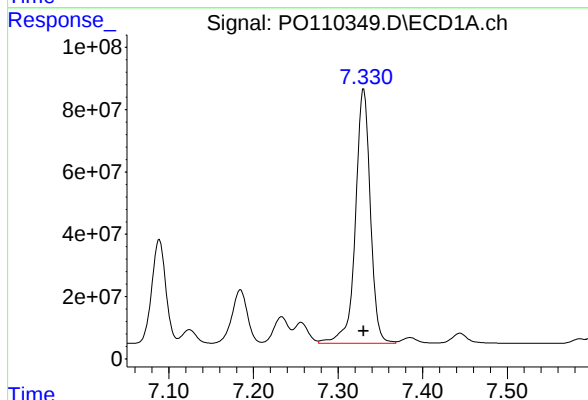
R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 382143422
Conc: 955.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



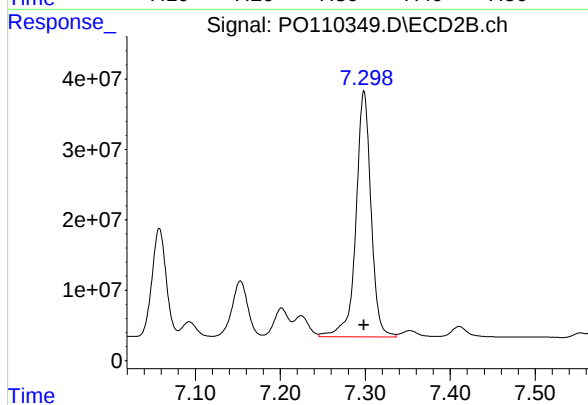
#34 AR-1260-4

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 177247956
Conc: 950.41 ng/ml



#35 AR-1260-5

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 1002895230
Conc: 978.90 ng/ml



#35 AR-1260-5

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 430279301
Conc: 974.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110350.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 09:54
 Operator : YP/AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 10:59:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 10:56:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	659.7E6	373.2E6	75.108	75.162
2) SA Decachlor...	8.733	8.685	564.5E6	134.4E6	75.111	75.086
Target Compounds						
3) L1 AR-1016-1	4.779	4.765	234.1E6	124.6E6	747.916	749.896
4) L1 AR-1016-2	4.799	4.785	331.0E6	183.1E6	753.359	752.728
5) L1 AR-1016-3	4.855	4.960	225.1E6	96985584	748.093	750.070
6) L1 AR-1016-4	4.975	5.002	178.6E6	80111616	750.849	751.848
7) L1 AR-1016-5	5.233	5.215	188.0E6	103.9E6	750.290	749.891
31) L7 AR-1260-1	6.273	6.246	335.3E6	173.5E6	751.219	750.569
32) L7 AR-1260-2	6.462	6.434	411.2E6	203.8E6	755.640	751.776
33) L7 AR-1260-3	6.829	6.586	349.9E6	190.4E6	752.607	752.605
34) L7 AR-1260-4	7.090	7.058	300.3E6	140.2E6	750.651	751.197
35) L7 AR-1260-5	7.331	7.298	773.9E6	333.8E6	753.582	754.264

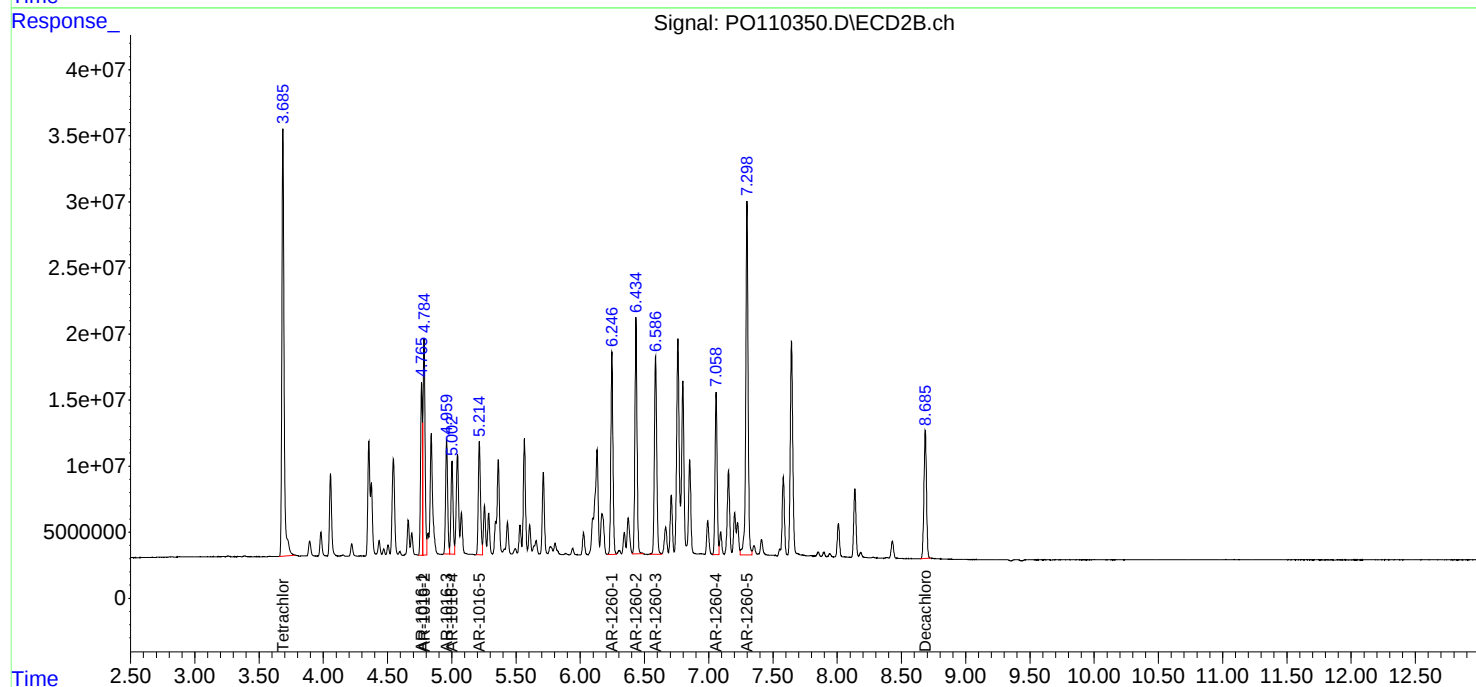
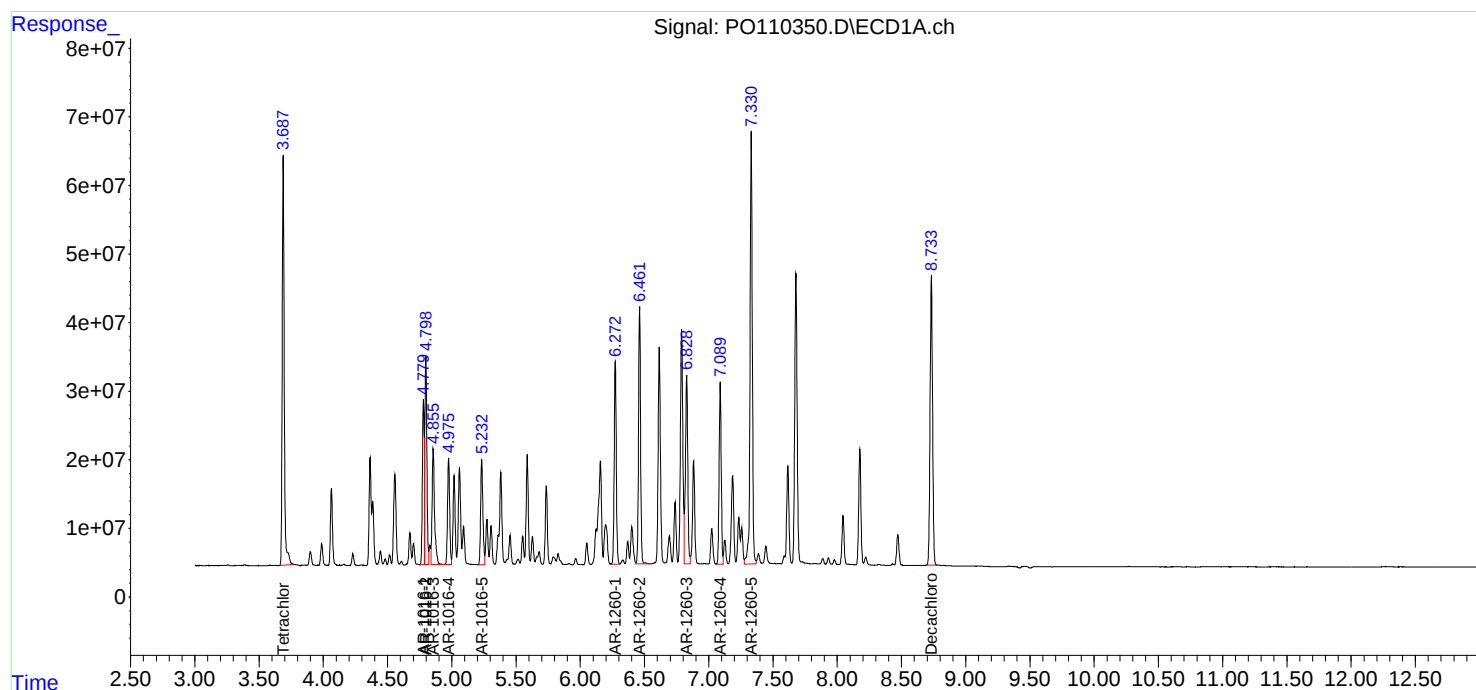
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

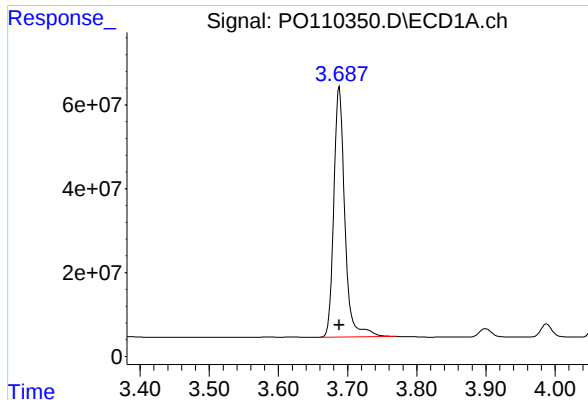
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110350.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 09:54
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 10:59:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 10:56:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

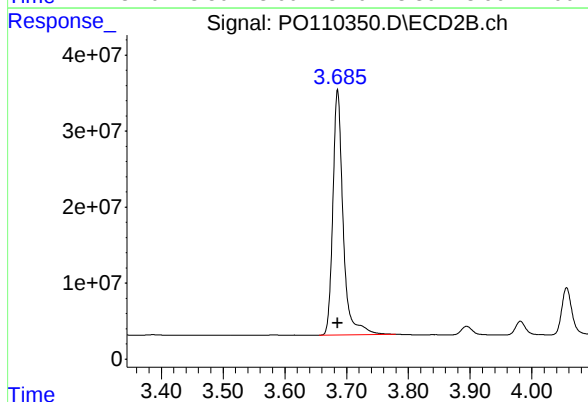




#1 Tetrachloro-m-xylene

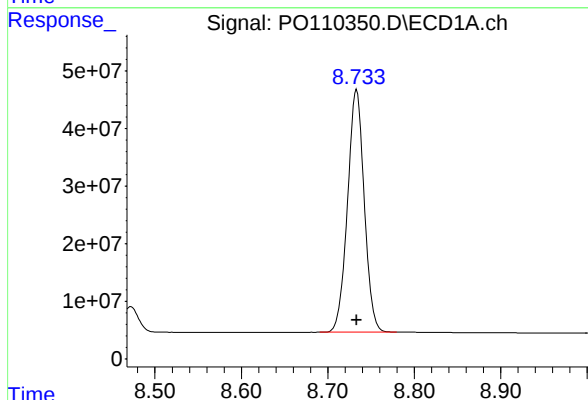
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 659708019
Conc: 75.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



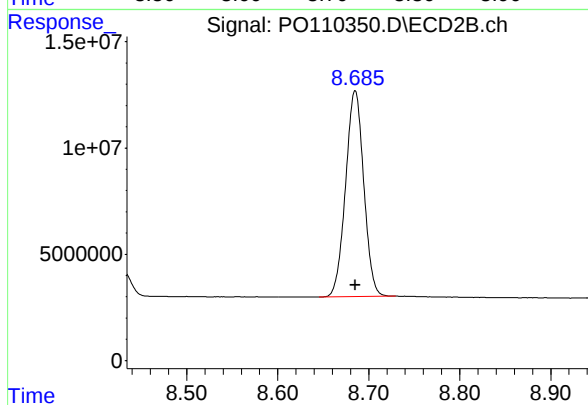
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 373160257
Conc: 75.16 ng/ml



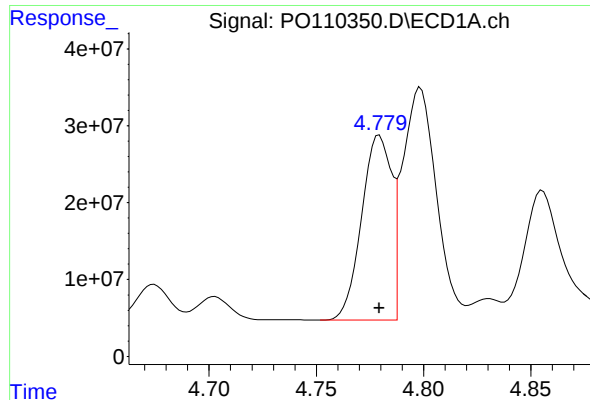
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 564494270
Conc: 75.11 ng/ml



#2 Decachlorobiphenyl

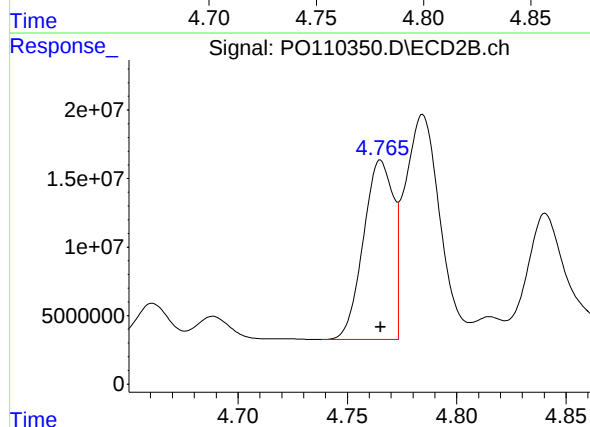
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 134353803
Conc: 75.09 ng/ml



#3 AR-1016-1

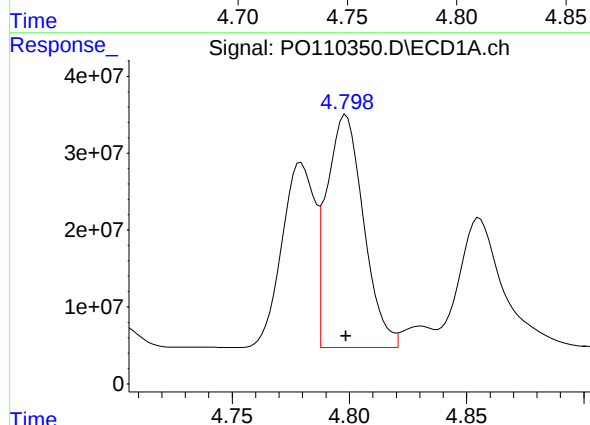
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 234110768
Conc: 747.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



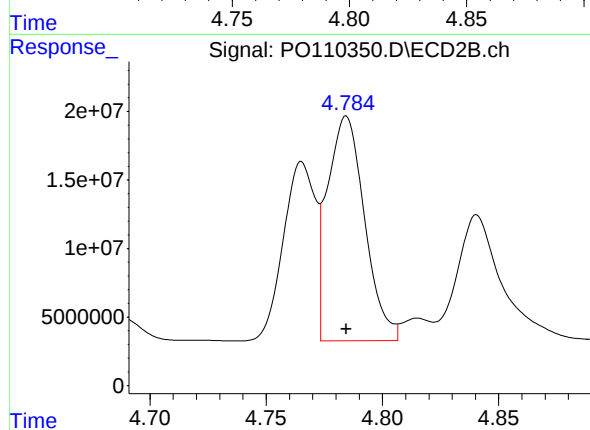
#3 AR-1016-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 124614751
Conc: 749.90 ng/ml



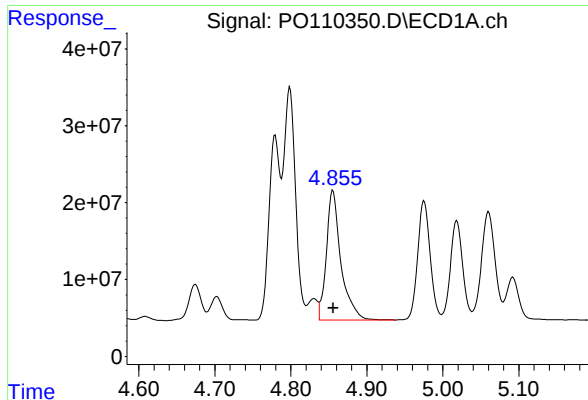
#4 AR-1016-2

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 331010138
Conc: 753.36 ng/ml



#4 AR-1016-2

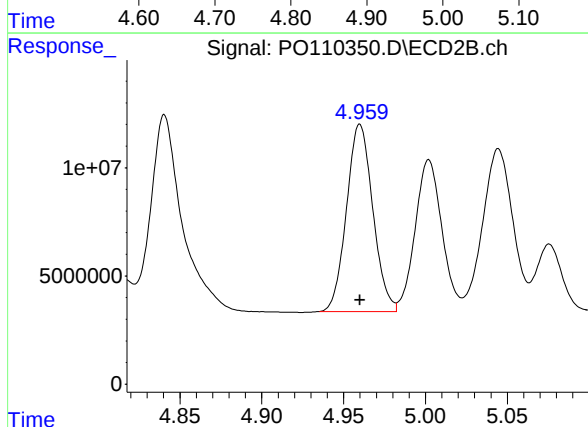
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 183055020
Conc: 752.73 ng/ml



#5 AR-1016-3

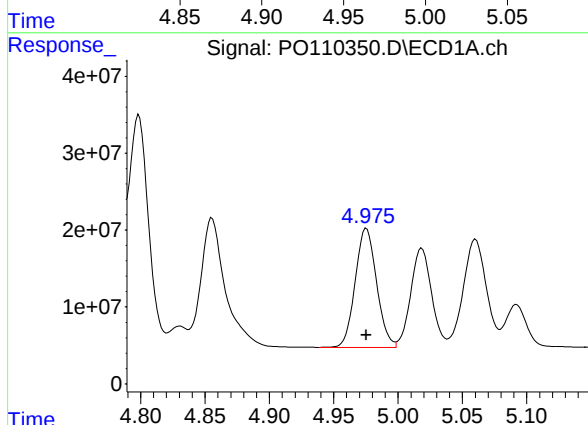
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 225132935
Conc: 748.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



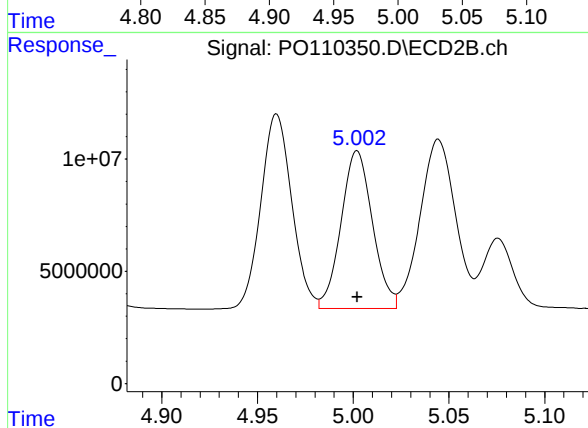
#5 AR-1016-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 96985584
Conc: 750.07 ng/ml



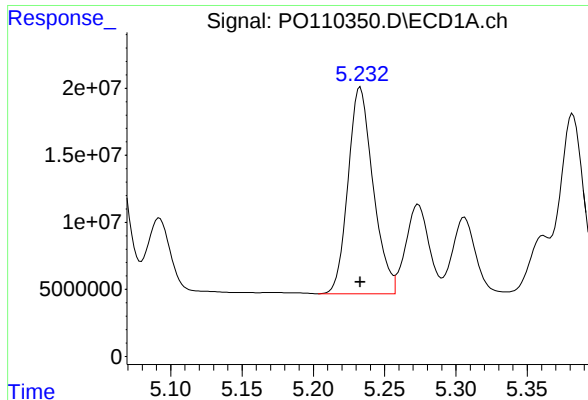
#6 AR-1016-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 178602996
Conc: 750.85 ng/ml



#6 AR-1016-4

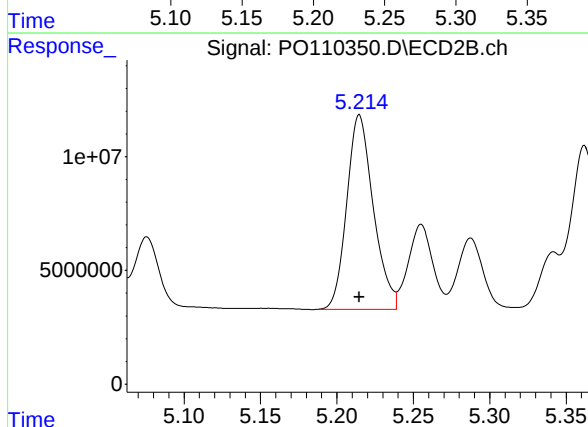
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 80111616
Conc: 751.85 ng/ml



#7 AR-1016-5

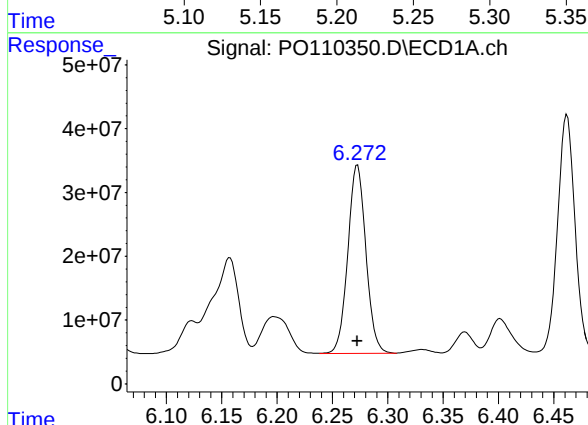
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 187991832
Conc: 750.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



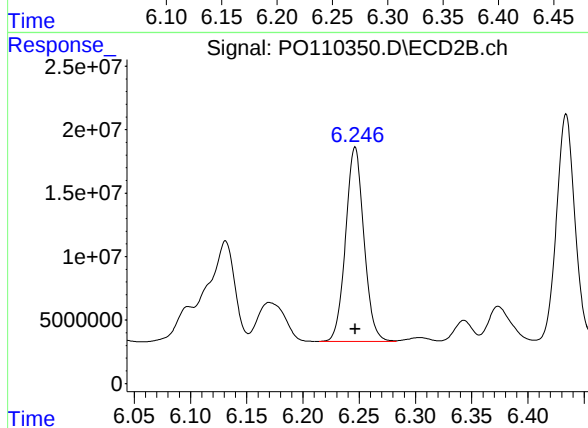
#7 AR-1016-5

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 103853259
Conc: 749.89 ng/ml



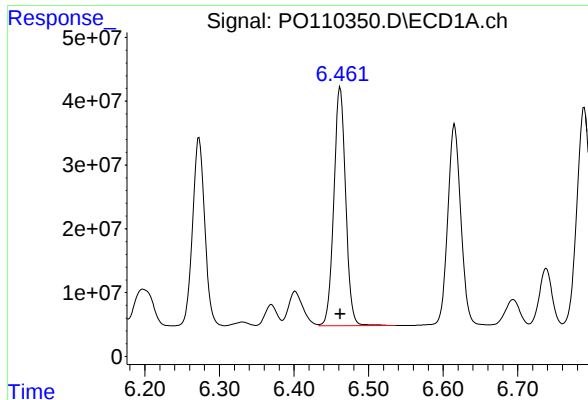
#31 AR-1260-1

R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 335311307
Conc: 751.22 ng/ml



#31 AR-1260-1

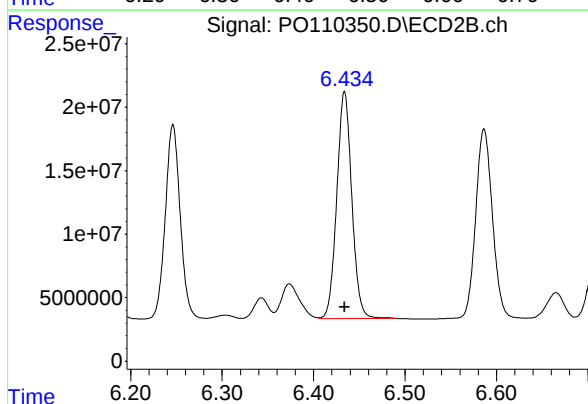
R.T.: 6.246 min
Delta R.T.: 0.000 min
Response: 173479710
Conc: 750.57 ng/ml



#32 AR-1260-2

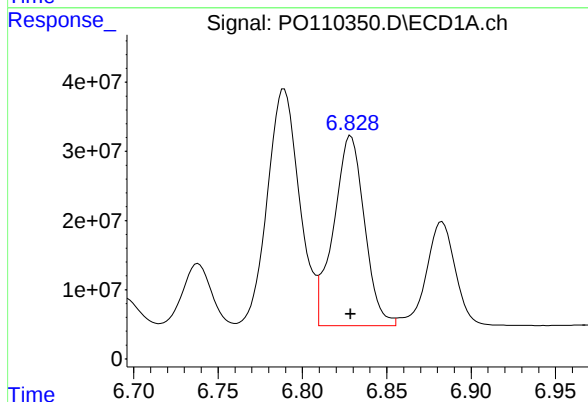
R.T.: 6.462 min
Delta R.T.: 0.000 min
Response: 411207564
Conc: 755.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



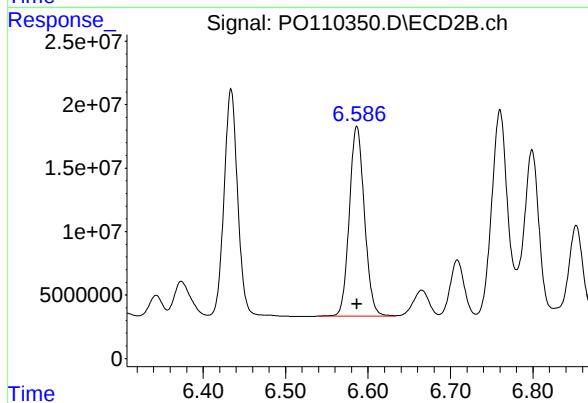
#32 AR-1260-2

R.T.: 6.434 min
Delta R.T.: 0.000 min
Response: 203828901
Conc: 751.78 ng/ml



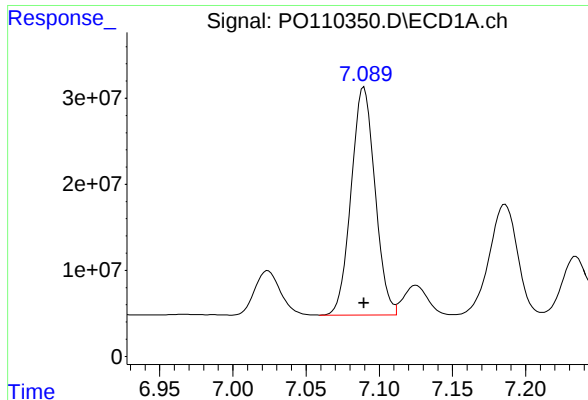
#33 AR-1260-3

R.T.: 6.829 min
Delta R.T.: 0.000 min
Response: 349851538
Conc: 752.61 ng/ml



#33 AR-1260-3

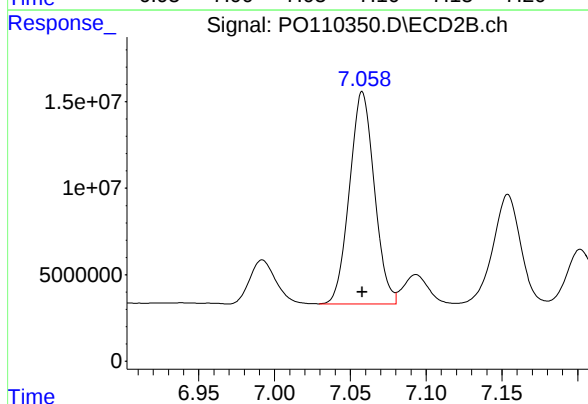
R.T.: 6.586 min
Delta R.T.: 0.000 min
Response: 190366782
Conc: 752.61 ng/ml



#34 AR-1260-4

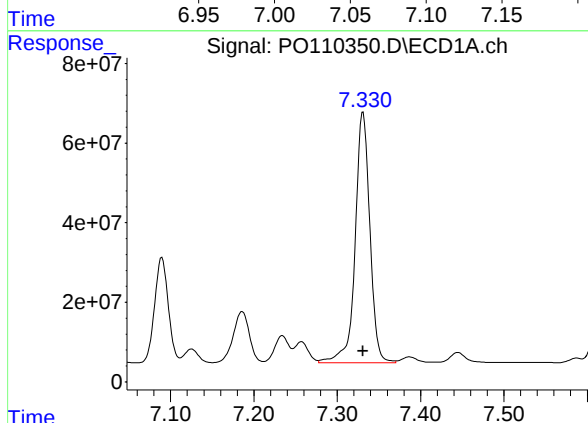
R.T.: 7.090 min
Delta R.T.: 0.000 min
Response: 300303137
Conc: 750.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



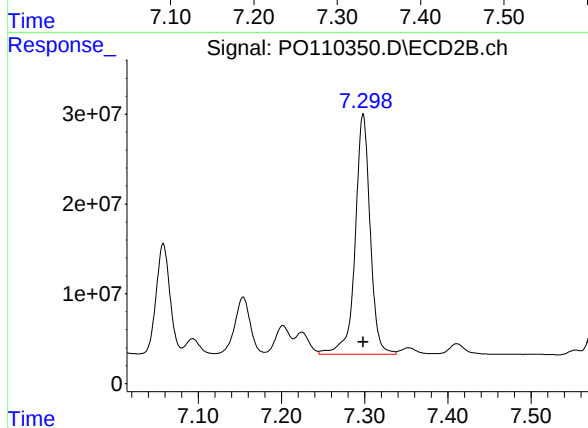
#34 AR-1260-4

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 140207991
Conc: 751.20 ng/ml



#35 AR-1260-5

R.T.: 7.331 min
Delta R.T.: 0.000 min
Response: 773901178
Conc: 753.58 ng/ml



#35 AR-1260-5

R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 333819322
Conc: 754.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110351.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 10:13
 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: Apr 10 10:53:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 10:52:45 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.686	447.6E6	252.5E6	50.000	50.000
2) SA Decachlor...	8.732	8.684	388.4E6	93602268	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	4.779	4.766	162.7E6	86580713	500.000	500.000
4) L1 AR-1016-2	4.798	4.784	226.3E6	125.0E6	500.000	500.000
5) L1 AR-1016-3	4.855	4.960	157.9E6	67418797	500.000	500.000
6) L1 AR-1016-4	4.975	5.002	123.9E6	56344224	500.000	500.000
7) L1 AR-1016-5	5.232	5.215	131.4E6	72633194	500.000	500.000
31) L7 AR-1260-1	6.272	6.246	231.0E6	120.4E6	500.000	500.000
32) L7 AR-1260-2	6.460	6.434	280.0E6	140.8E6	500.000	500.000
33) L7 AR-1260-3	6.829	6.587	241.0E6	130.8E6	500.000	500.000
34) L7 AR-1260-4	7.088	7.057	208.8E6	97873306	500.000	500.000
35) L7 AR-1260-5	7.330	7.297	523.1E6	226.2E6	500.000	500.000

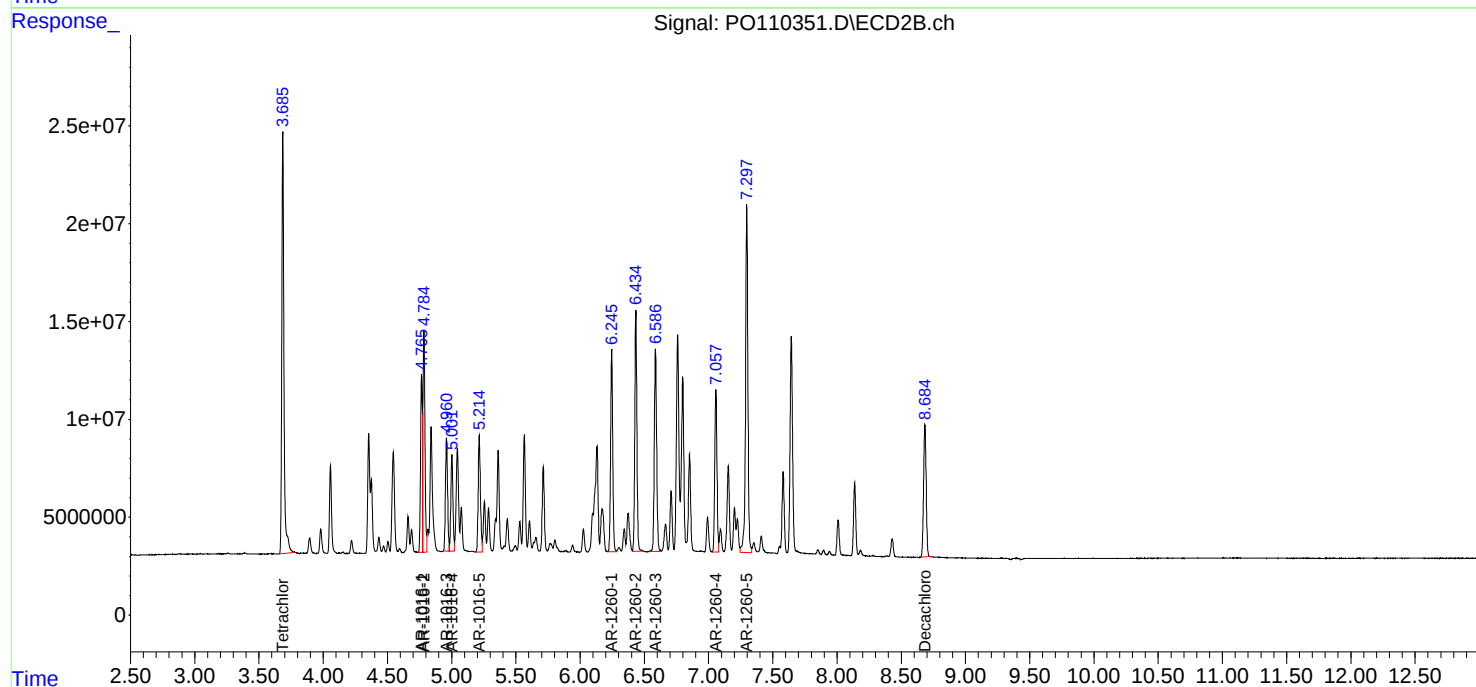
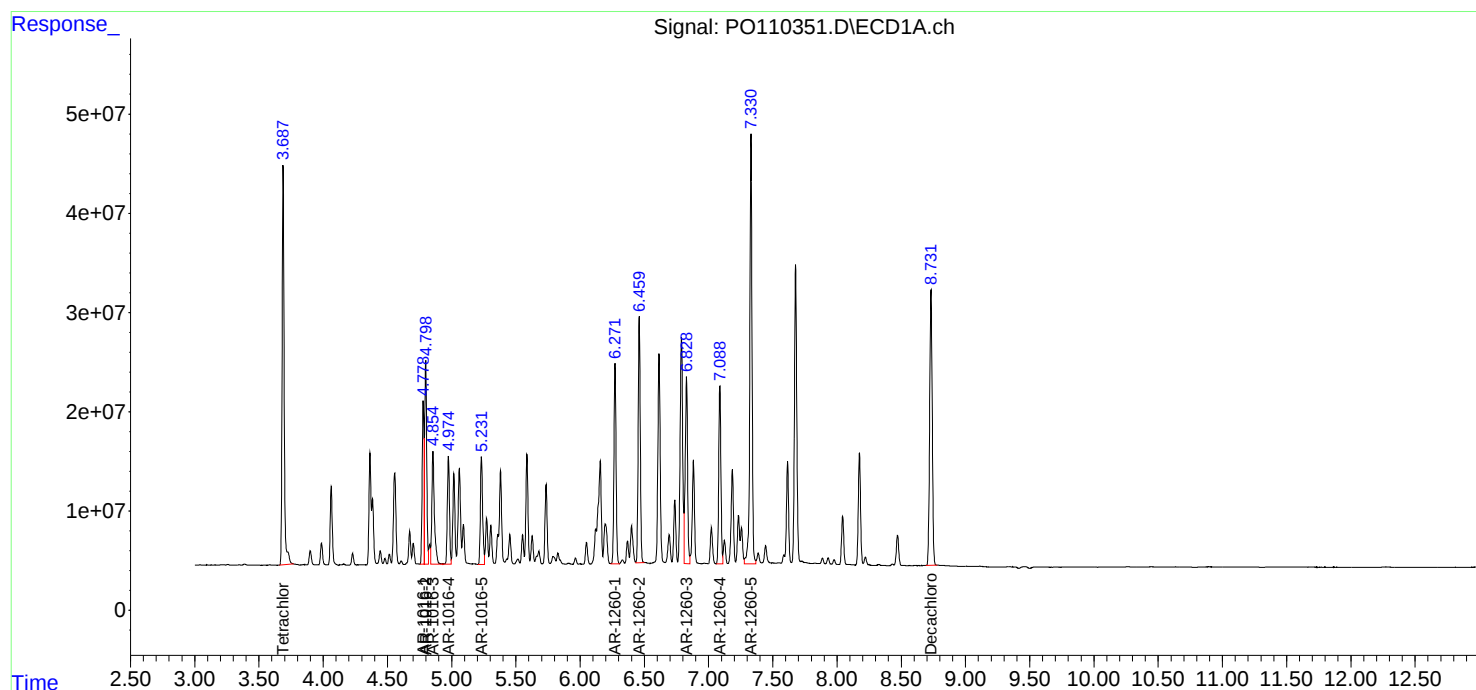
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

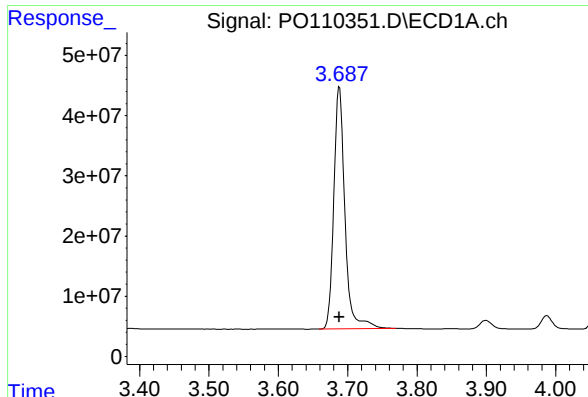
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 10:13
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 10:53:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 10:52:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

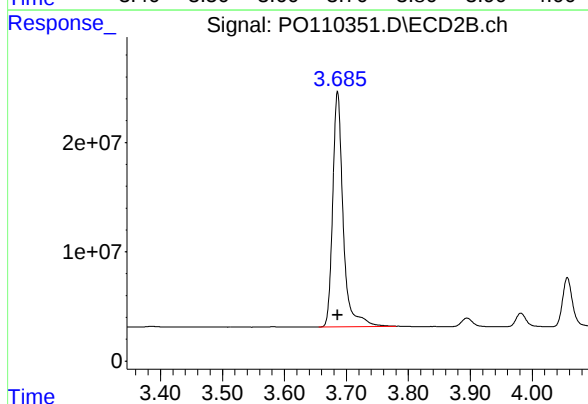




#1 Tetrachloro-m-xylene

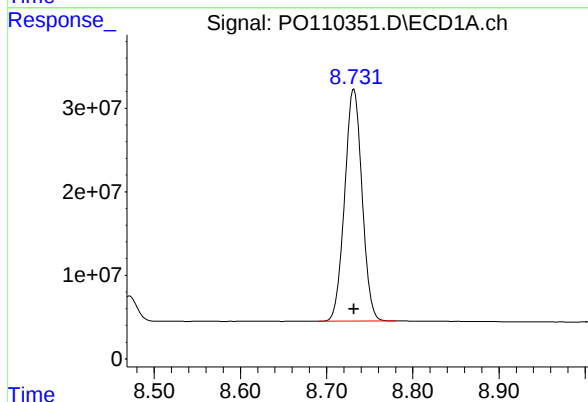
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 447556919
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



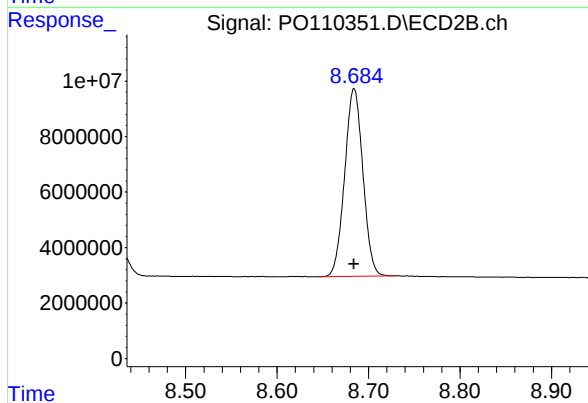
#1 Tetrachloro-m-xylene

R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 252485572
Conc: 50.00 ng/ml



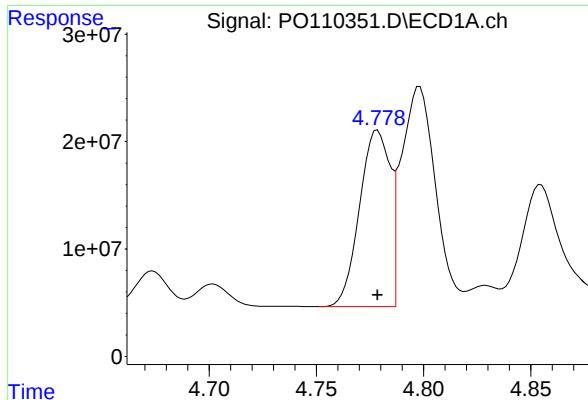
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 388432391
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

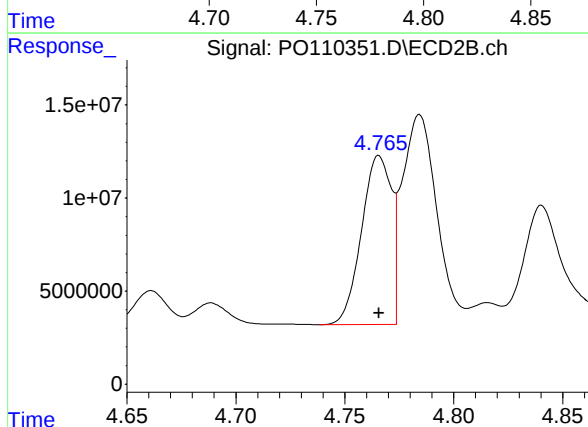
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 93602268
Conc: 50.00 ng/ml



#3 AR-1016-1

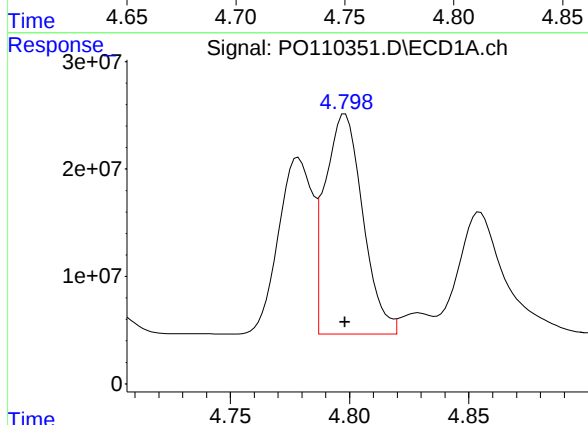
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 162683047
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



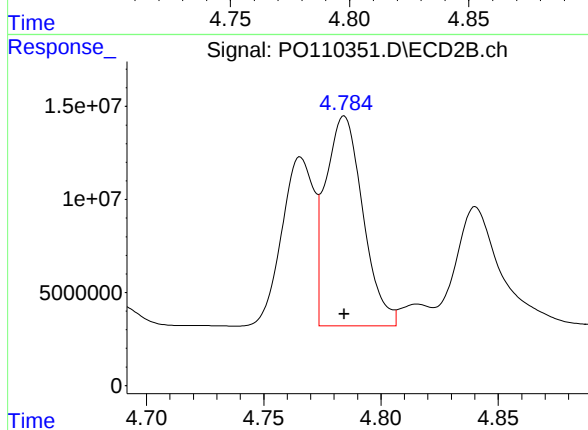
#3 AR-1016-1

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 86580713
Conc: 500.00 ng/ml



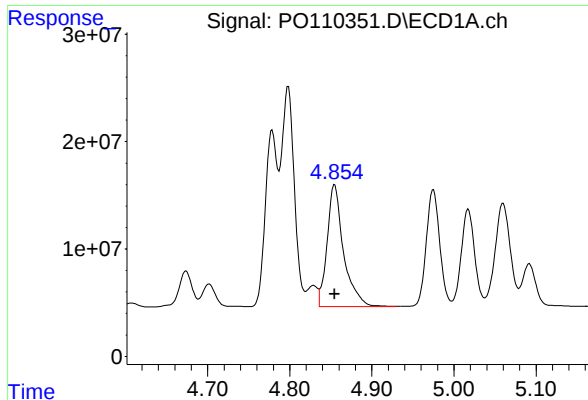
#4 AR-1016-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 226293527
Conc: 500.00 ng/ml



#4 AR-1016-2

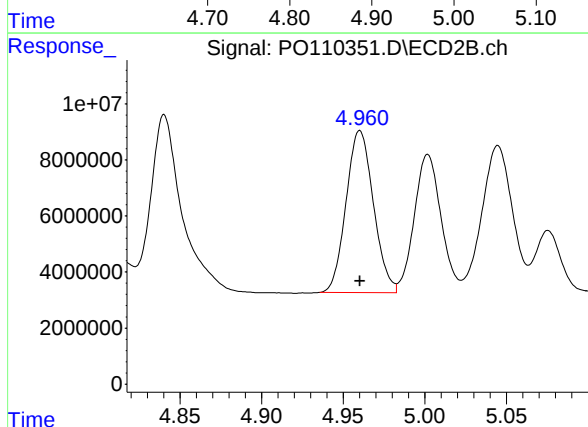
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 124957819
Conc: 500.00 ng/ml



#5 AR-1016-3

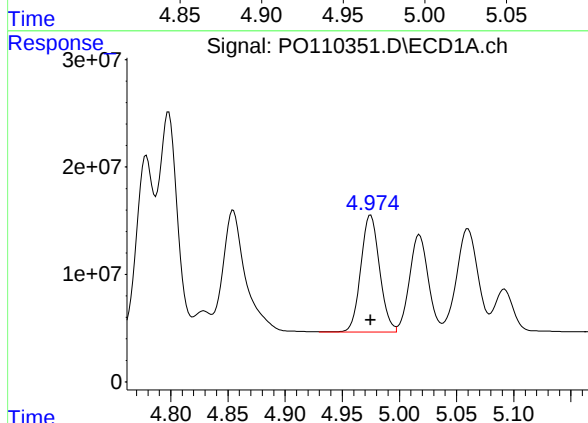
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 157896286
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



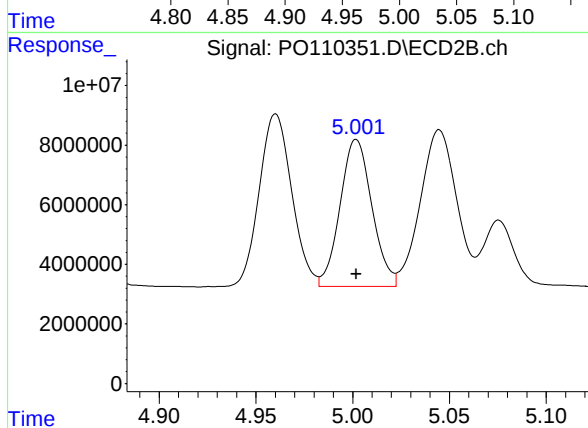
#5 AR-1016-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 67418797
Conc: 500.00 ng/ml



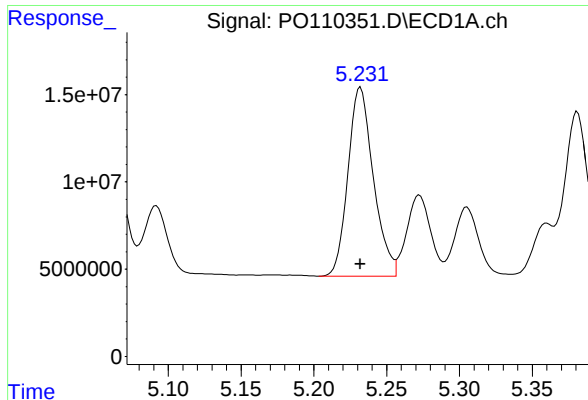
#6 AR-1016-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 123921160
Conc: 500.00 ng/ml



#6 AR-1016-4

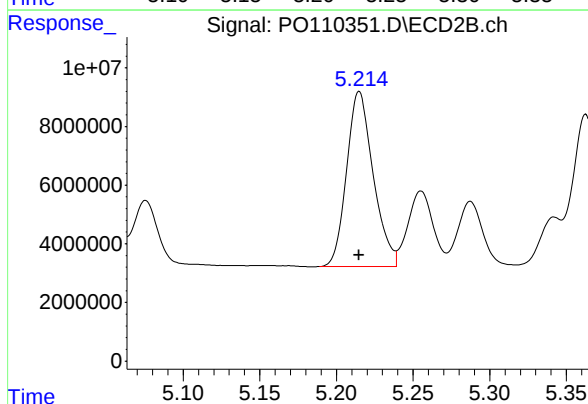
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 56344224
Conc: 500.00 ng/ml



#7 AR-1016-5

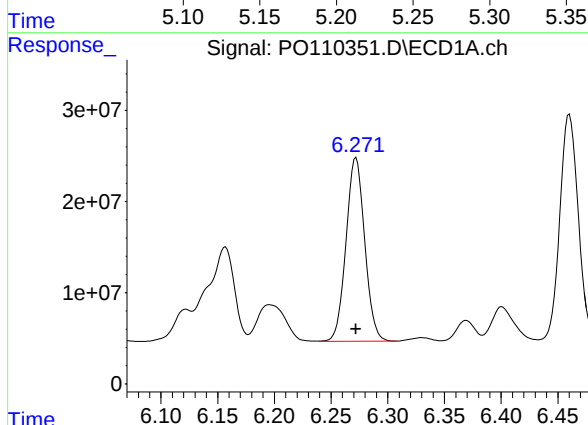
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 131415211
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



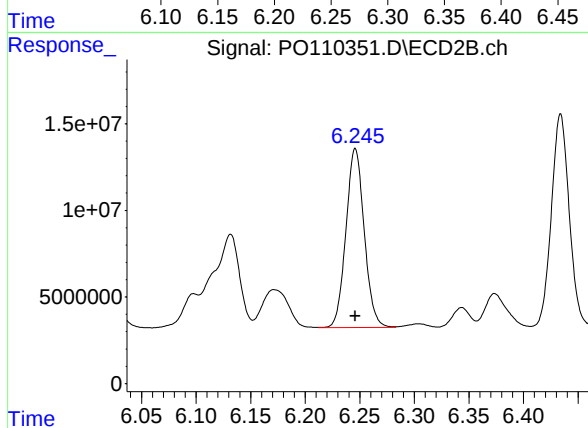
#7 AR-1016-5

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 72633194
Conc: 500.00 ng/ml



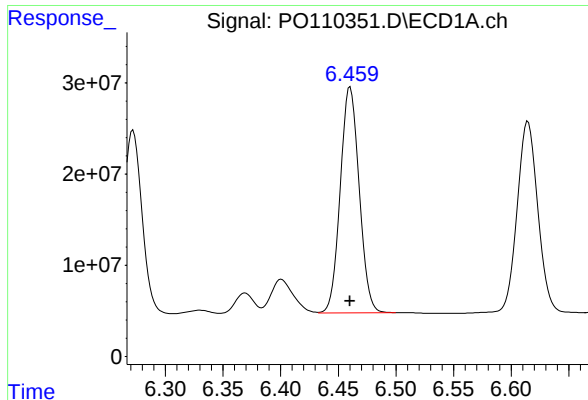
#31 AR-1260-1

R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 231002520
Conc: 500.00 ng/ml



#31 AR-1260-1

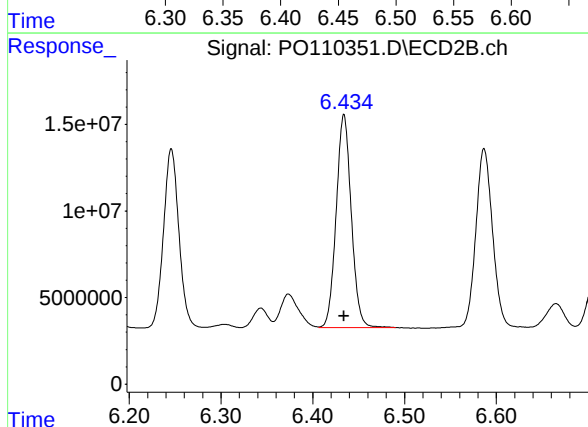
R.T.: 6.246 min
Delta R.T.: 0.000 min
Response: 120402186
Conc: 500.00 ng/ml



#32 AR-1260-2

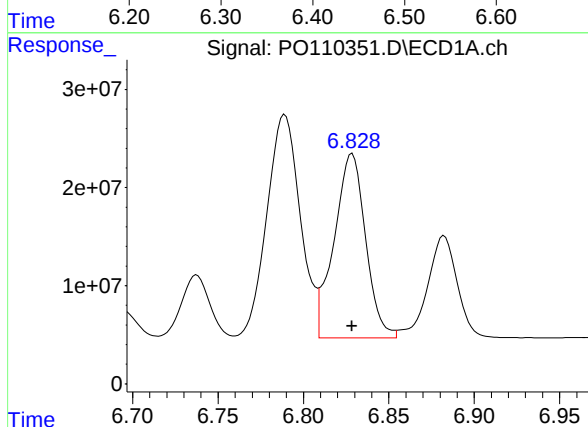
R.T.: 6.460 min
Delta R.T.: 0.000 min
Response: 280000790
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



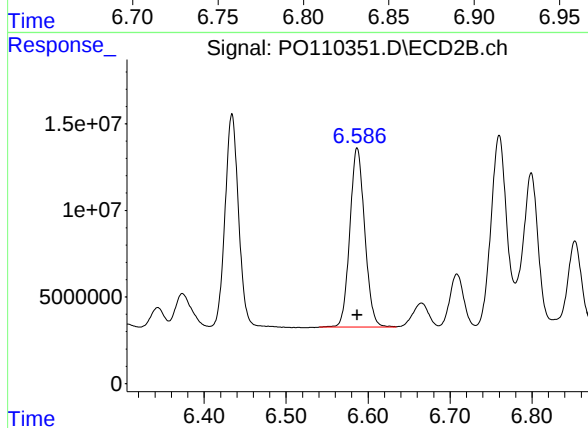
#32 AR-1260-2

R.T.: 6.434 min
Delta R.T.: 0.000 min
Response: 140786244
Conc: 500.00 ng/ml



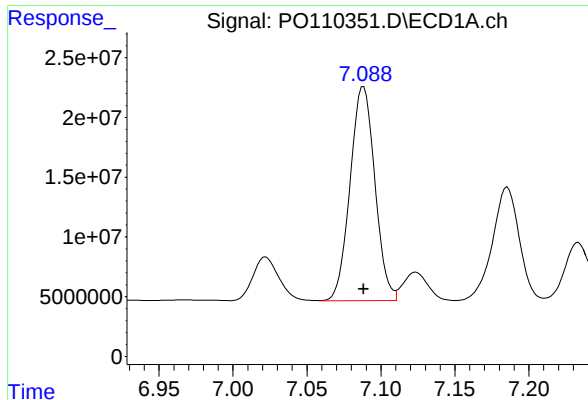
#33 AR-1260-3

R.T.: 6.829 min
Delta R.T.: 0.000 min
Response: 241038327
Conc: 500.00 ng/ml



#33 AR-1260-3

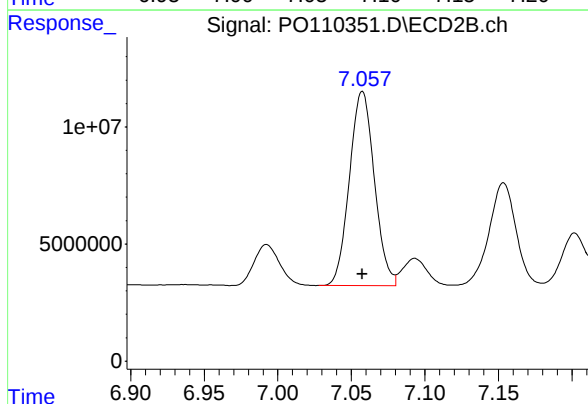
R.T.: 6.587 min
Delta R.T.: 0.000 min
Response: 130797993
Conc: 500.00 ng/ml



#34 AR-1260-4

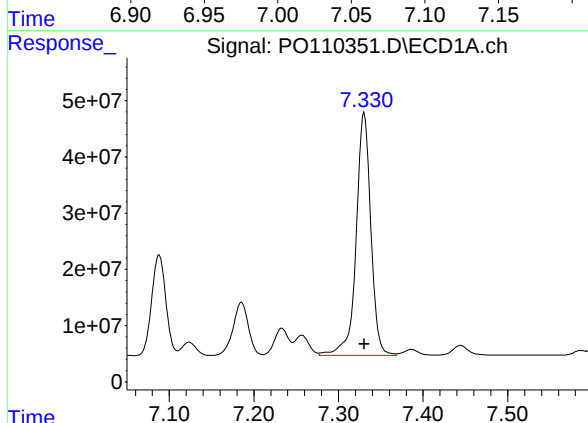
R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 208811584
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



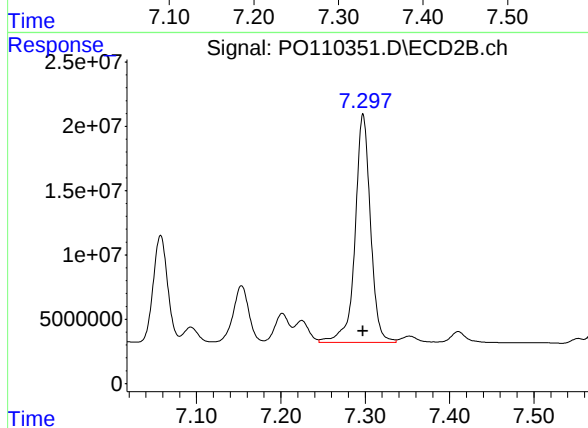
#34 AR-1260-4

R.T.: 7.057 min
Delta R.T.: 0.000 min
Response: 97873306
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 523062881
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 226178833
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110352.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 10:31
 Operator : YP/AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 11:01:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 10:56:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	218.4E6	127.3E6	24.901	25.482
2) SA Decachlor...	8.734	8.683	205.3E6	50640696	26.698	27.397
Target Compounds						
3) L1 AR-1016-1	4.780	4.765	85356347	46113983	266.639	270.074
4) L1 AR-1016-2	4.798	4.784	118.1E6	64942457	263.859	262.570
5) L1 AR-1016-3	4.855	4.959	84160004	35585704	271.600	268.445
6) L1 AR-1016-4	4.975	5.002	65304594	30405283	267.965	275.610
7) L1 AR-1016-5	5.232	5.214	70395931	38809886	272.520	272.010
31) L7 AR-1260-1	6.272	6.245	122.7E6	64201123	268.242	270.264
32) L7 AR-1260-2	6.461	6.433	149.1E6	74637486	267.561	268.495
33) L7 AR-1260-3	6.828	6.586	128.0E6	69475884	268.498	268.057
34) L7 AR-1260-4	7.089	7.057	111.3E6	52728341	270.655	273.611
35) L7 AR-1260-5	7.331	7.297	266.3E6	117.4E6	256.903	261.226

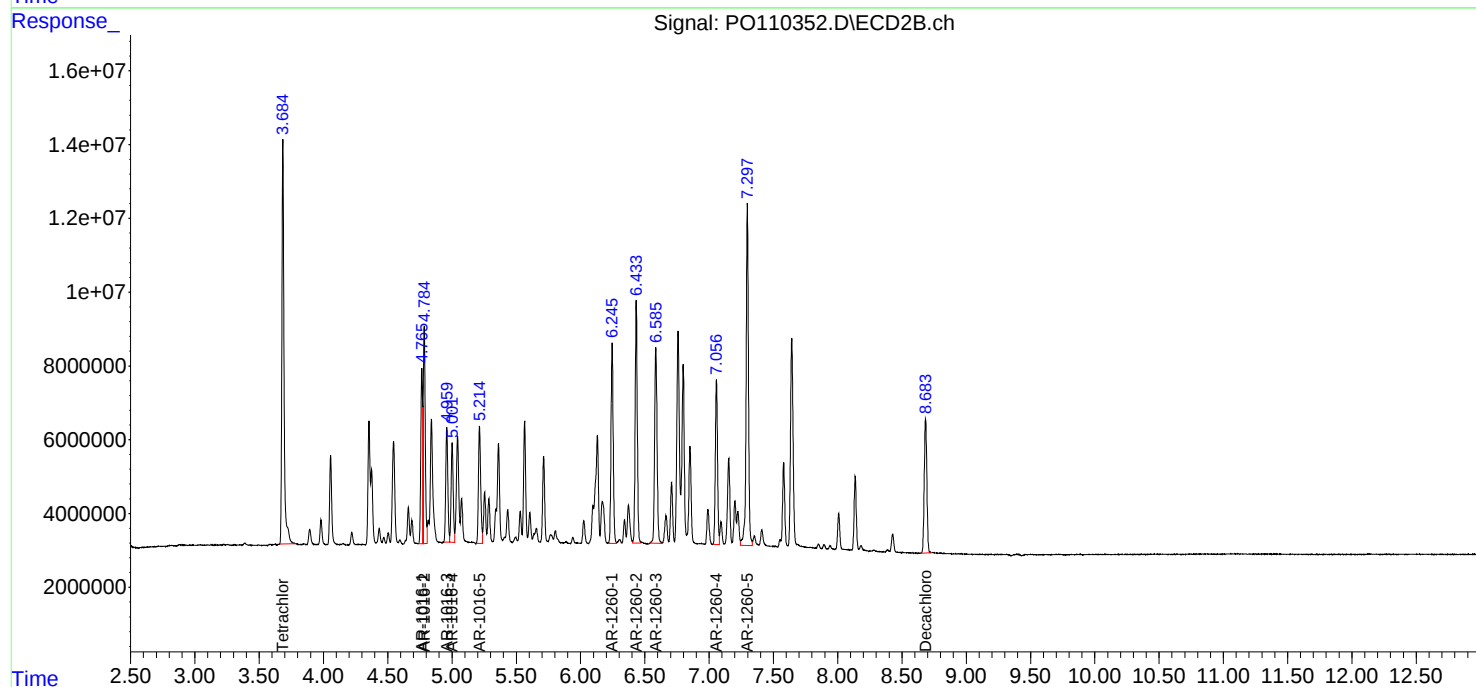
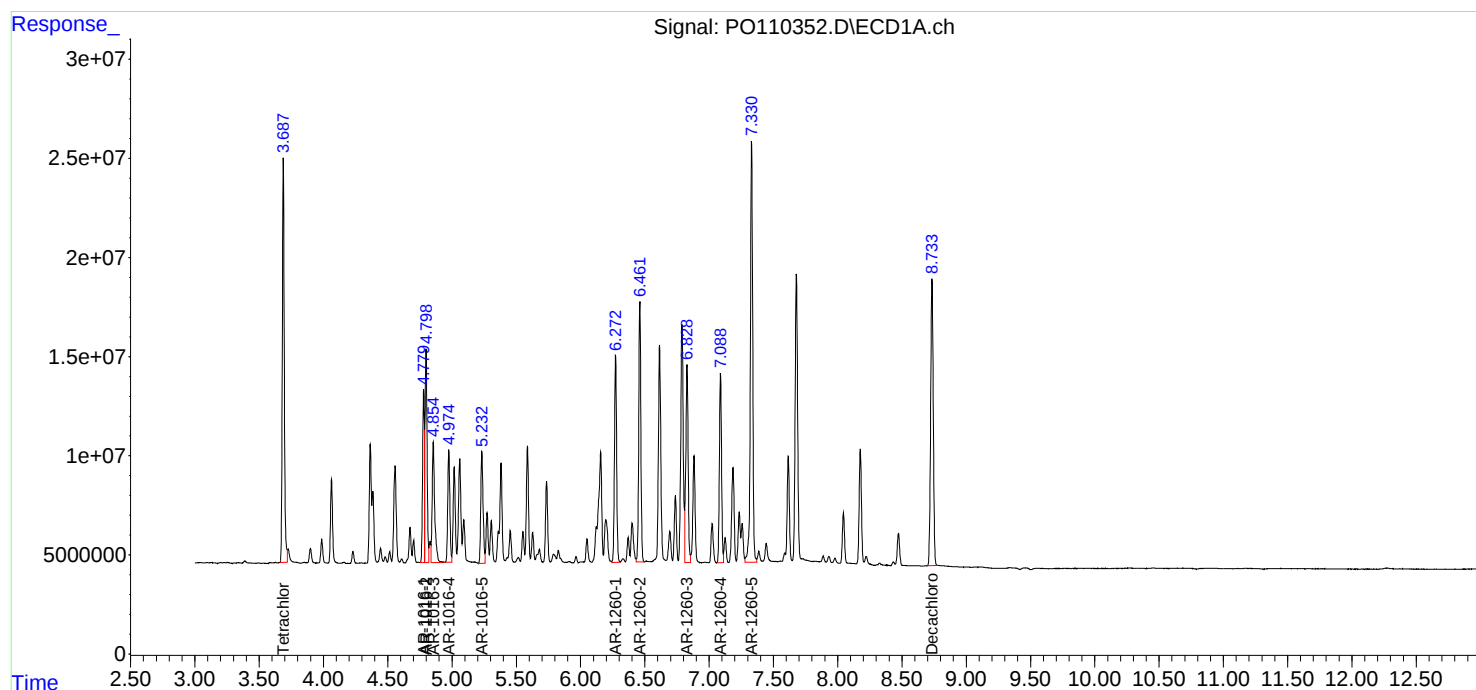
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

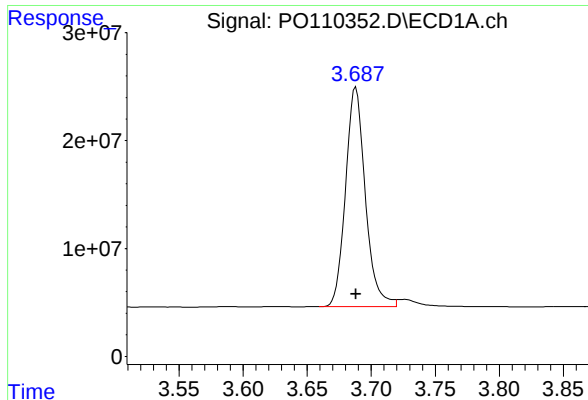
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 10:31
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 11:01:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 10:56:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

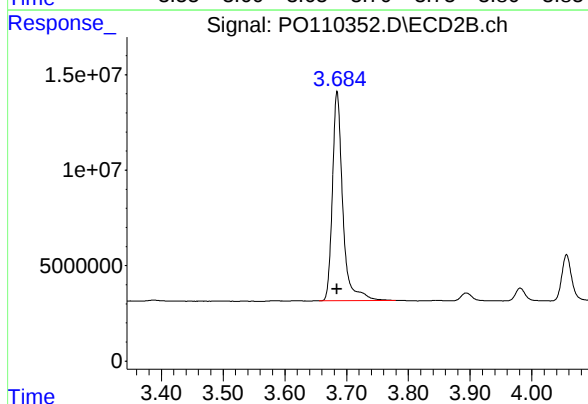




#1 Tetrachloro-m-xylene

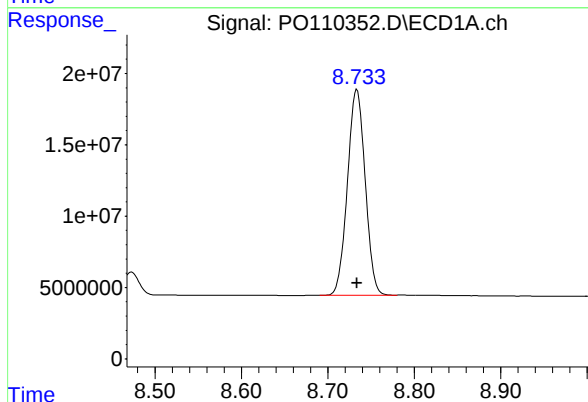
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 218425182
Conc: 24.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



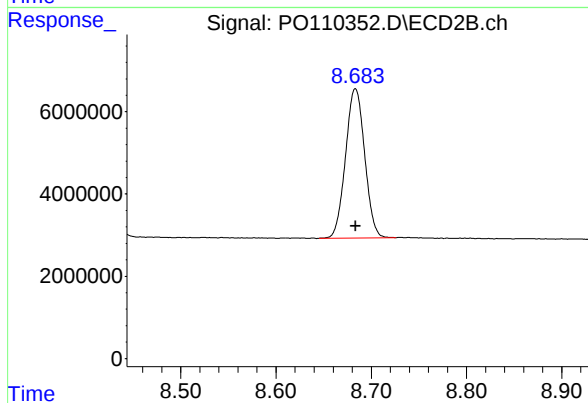
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 127327148
Conc: 25.48 ng/ml



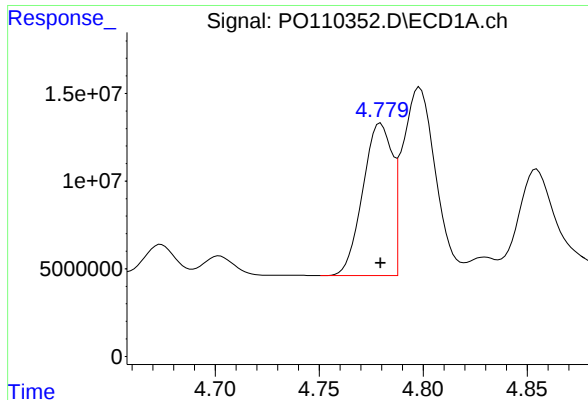
#2 Decachlorobiphenyl

R.T.: 8.734 min
Delta R.T.: 0.000 min
Response: 205292848
Conc: 26.70 ng/ml



#2 Decachlorobiphenyl

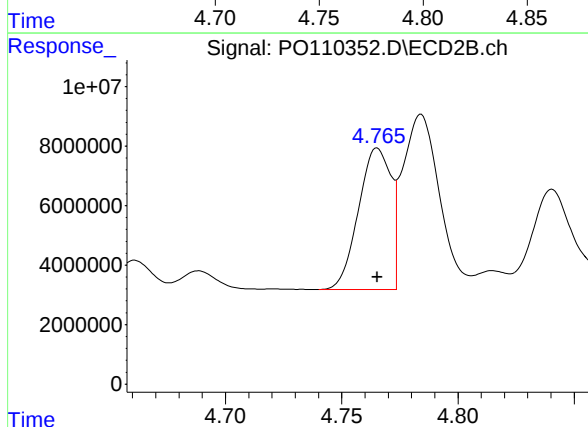
R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 50640696
Conc: 27.40 ng/ml



#3 AR-1016-1

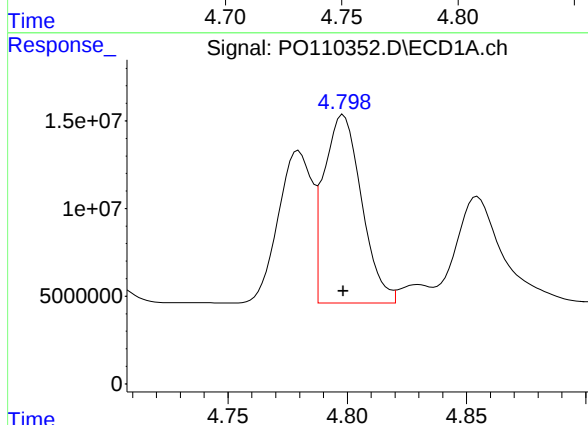
R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 85356347
Conc: 266.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



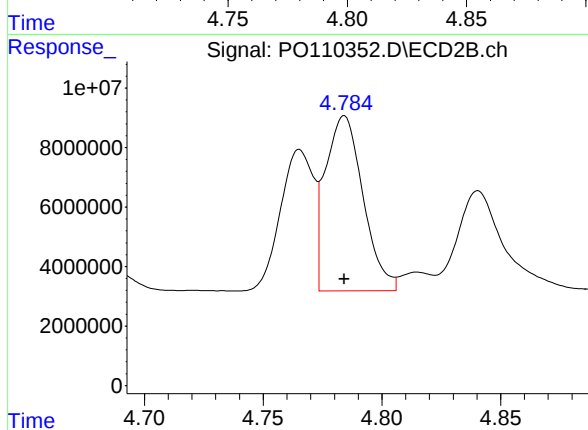
#3 AR-1016-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 46113983
Conc: 270.07 ng/ml



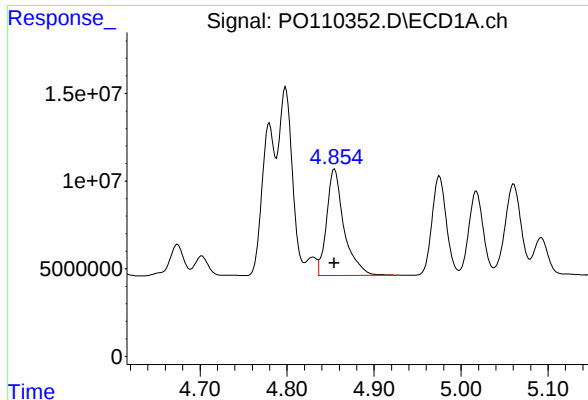
#4 AR-1016-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 118116710
Conc: 263.86 ng/ml



#4 AR-1016-2

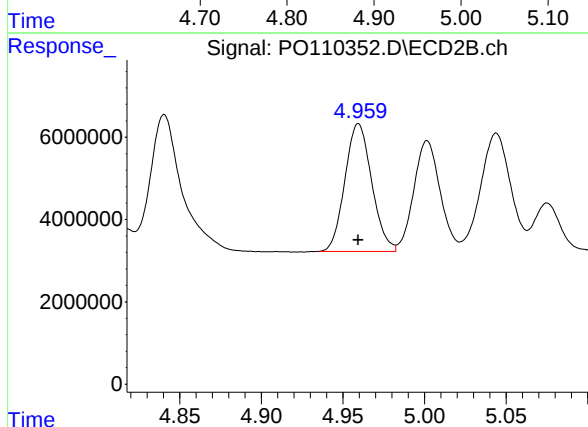
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 64942457
Conc: 262.57 ng/ml



#5 AR-1016-3

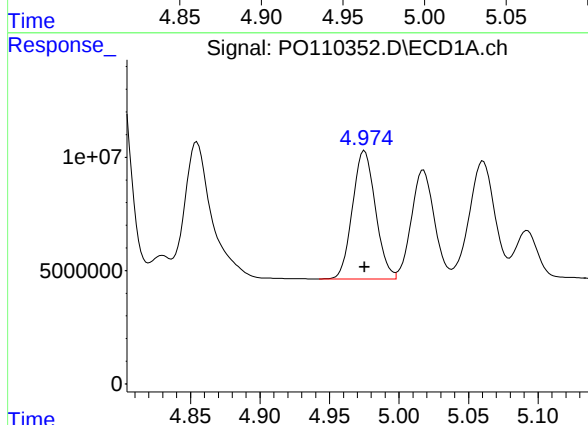
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 84160004
Conc: 271.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



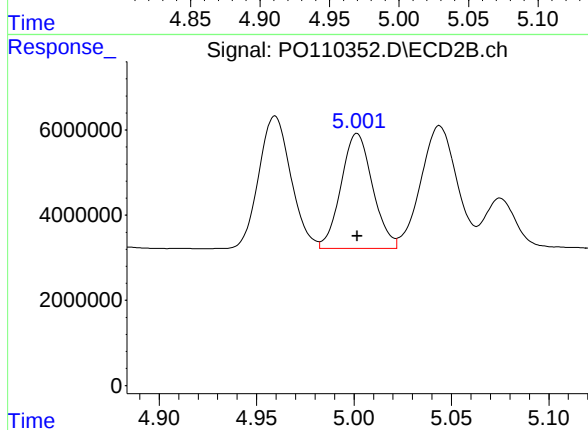
#5 AR-1016-3

R.T.: 4.959 min
Delta R.T.: 0.000 min
Response: 35585704
Conc: 268.45 ng/ml



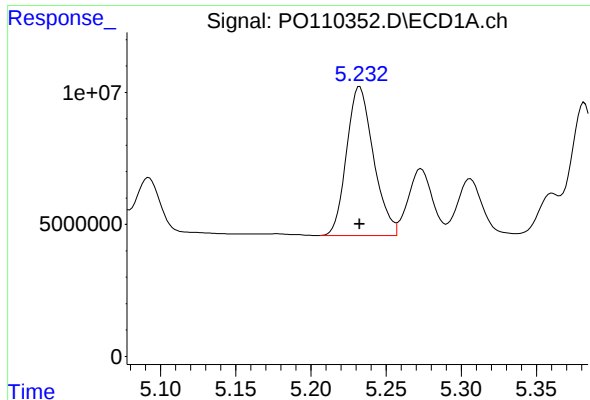
#6 AR-1016-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 65304594
Conc: 267.97 ng/ml



#6 AR-1016-4

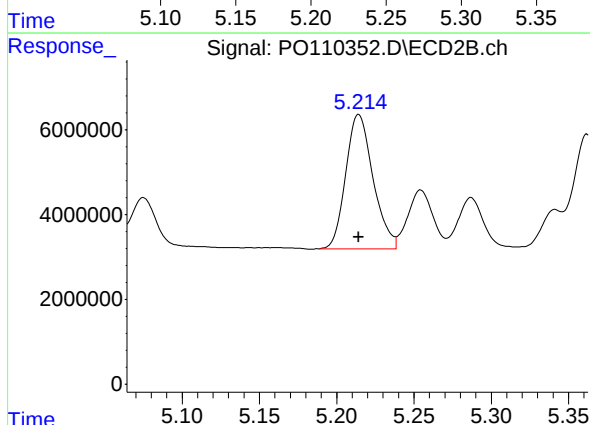
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 30405283
Conc: 275.61 ng/ml



#7 AR-1016-5

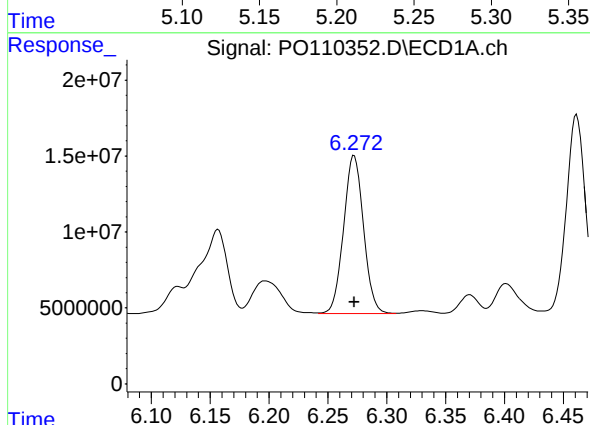
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 70395931
Conc: 272.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



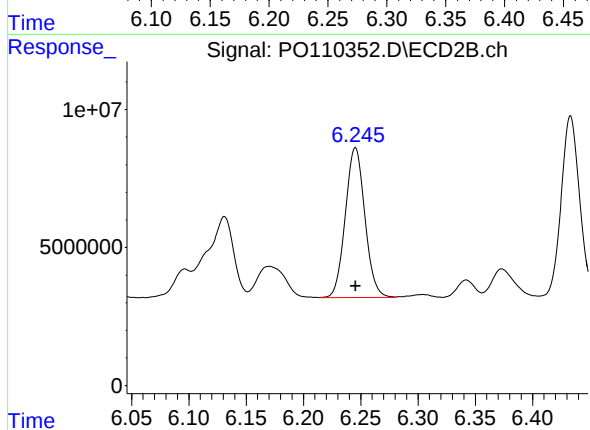
#7 AR-1016-5

R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 38809886
Conc: 272.01 ng/ml



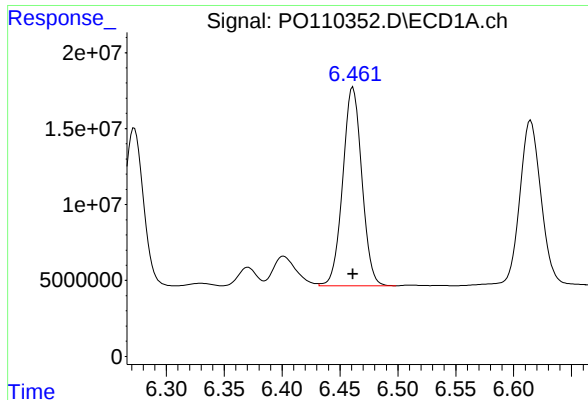
#31 AR-1260-1

R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 122716328
Conc: 268.24 ng/ml



#31 AR-1260-1

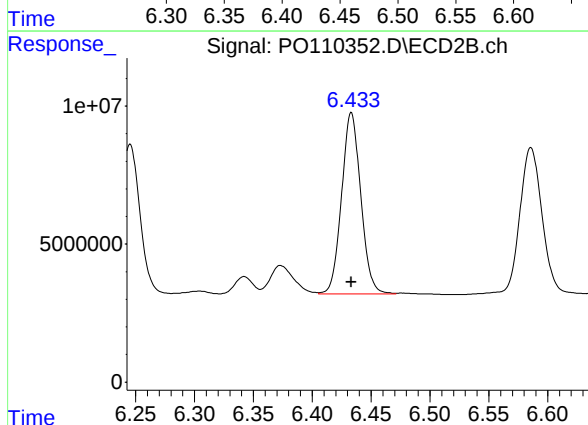
R.T.: 6.245 min
Delta R.T.: 0.000 min
Response: 64201123
Conc: 270.26 ng/ml



#32 AR-1260-2

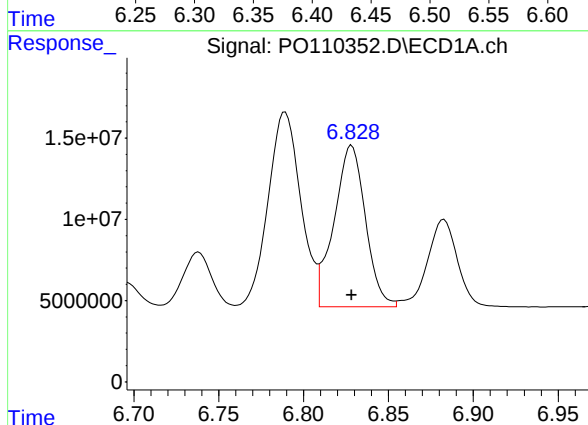
R.T.: 6.461 min
Delta R.T.: 0.000 min
Response: 149093603
Conc: 267.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



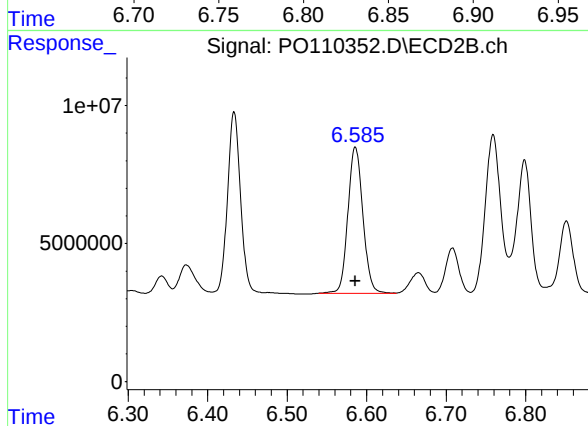
#32 AR-1260-2

R.T.: 6.433 min
Delta R.T.: 0.000 min
Response: 74637486
Conc: 268.49 ng/ml



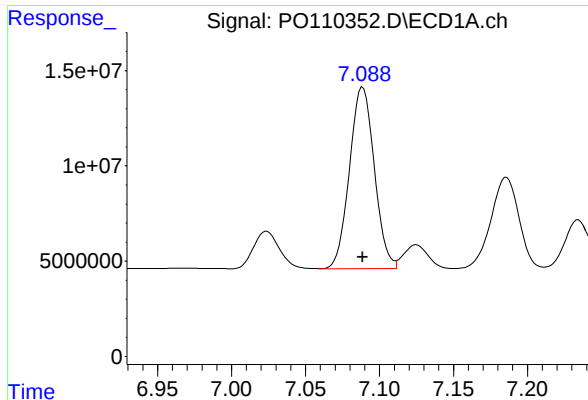
#33 AR-1260-3

R.T.: 6.828 min
Delta R.T.: 0.000 min
Response: 127967922
Conc: 268.50 ng/ml



#33 AR-1260-3

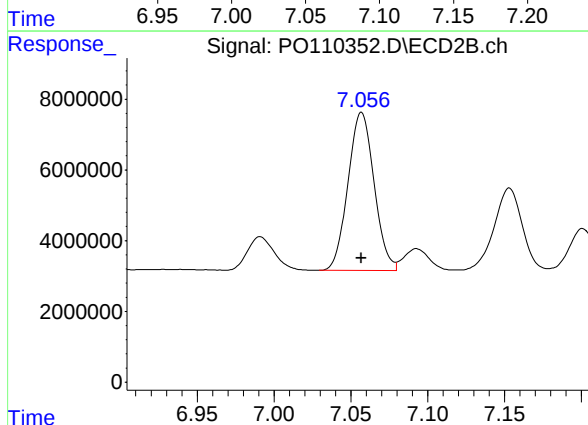
R.T.: 6.586 min
Delta R.T.: 0.000 min
Response: 69475884
Conc: 268.06 ng/ml



#34 AR-1260-4

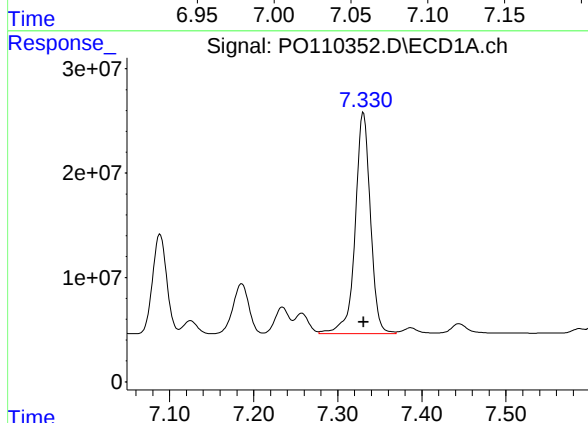
R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 111343599
Conc: 270.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



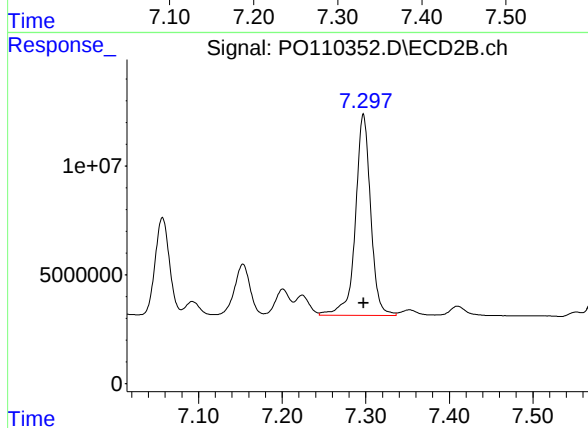
#34 AR-1260-4

R.T.: 7.057 min
Delta R.T.: 0.000 min
Response: 52728341
Conc: 273.61 ng/ml



#35 AR-1260-5

R.T.: 7.331 min
Delta R.T.: 0.000 min
Response: 266280520
Conc: 256.90 ng/ml



#35 AR-1260-5

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 117368967
Conc: 261.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110353.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 10:49
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 11:04:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 10:56:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	43289216	24808316	4.952	4.972
2) SA Decachlor...	8.733	8.683	43582732	11156787	5.520	5.796
Target Compounds						
3) L1 AR-1016-1	4.779	4.765	18011965	9728182	54.891	55.428
4) L1 AR-1016-2	4.798	4.785	24206905	13399432	53.208	53.285
5) L1 AR-1016-3	4.855	4.960	18658513	7415278	57.851	54.640
6) L1 AR-1016-4	4.975	5.002	13549991	6527964	54.382	57.079
7) L1 AR-1016-5	5.233	5.215	15589904	8732807	57.953	58.580
31) L7 AR-1260-1	6.272	6.246	26614614	13981013	56.334	56.842
32) L7 AR-1260-2	6.461	6.433	35159753	17340702	59.956	59.437
33) L7 AR-1260-3	6.829	6.586	27896623	15884287	56.600	58.639
34) L7 AR-1260-4	7.088	7.057	23828498	11617411	56.143	57.902
35) L7 AR-1260-5	7.331	7.297	53567336	24854158	51.336	54.165

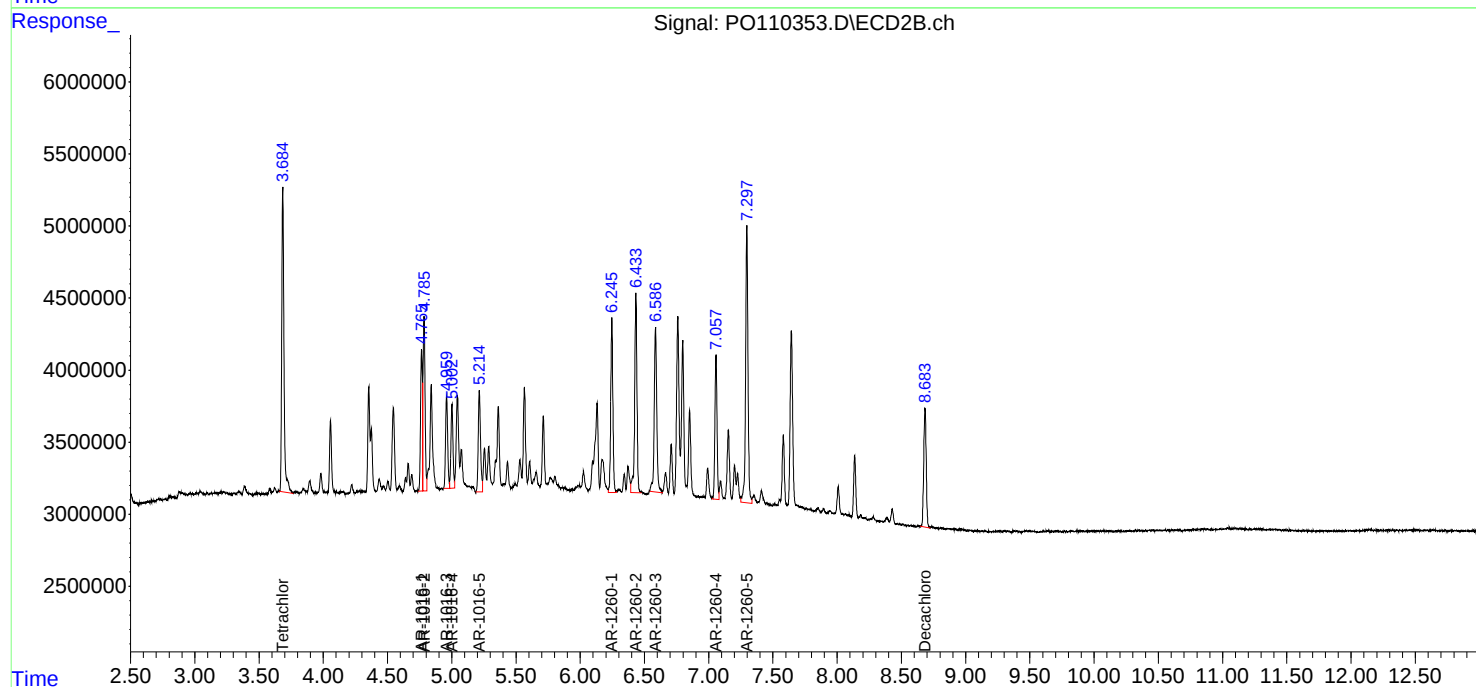
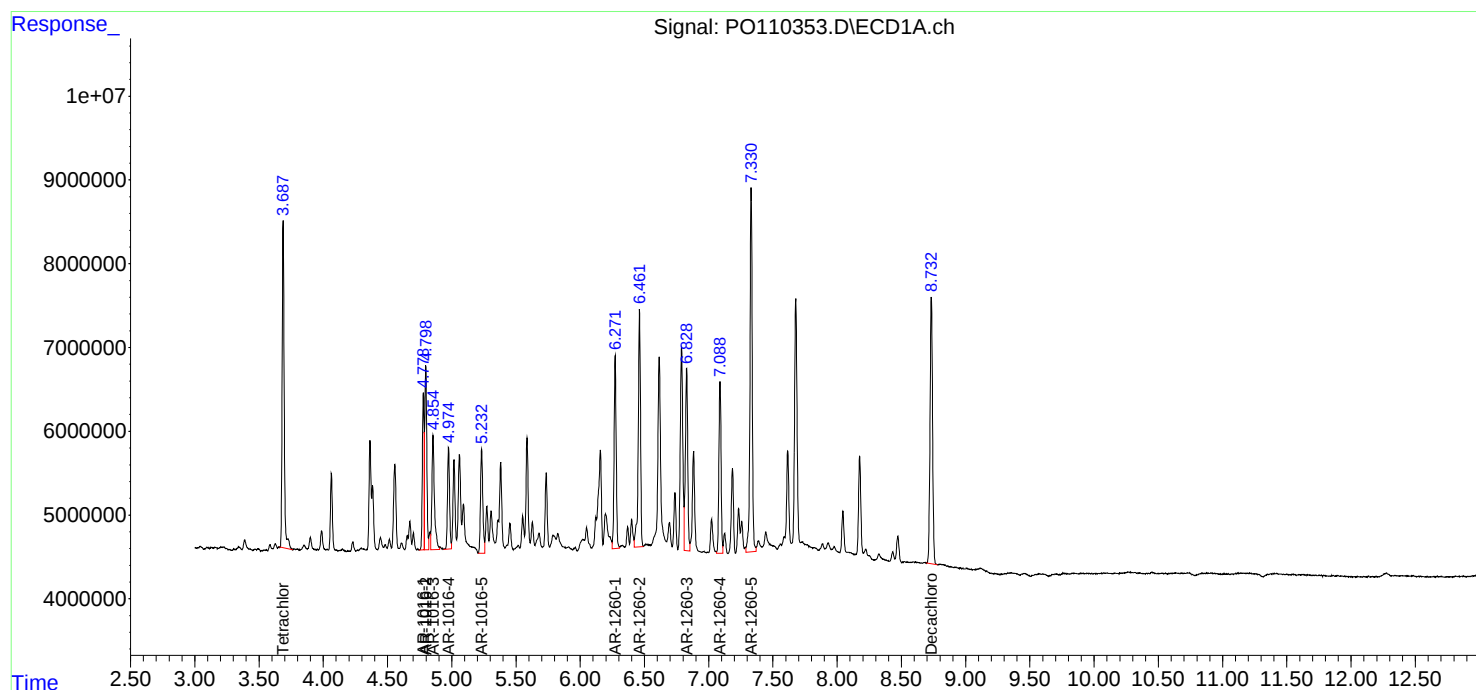
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

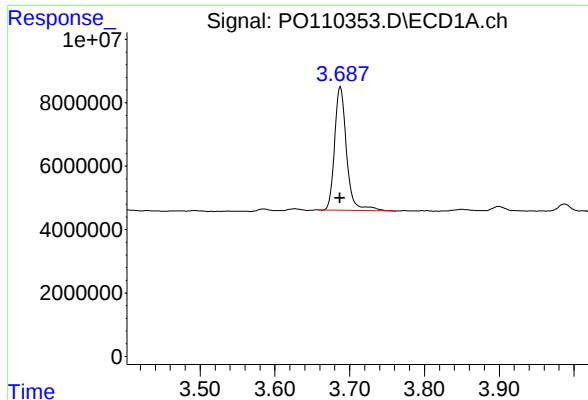
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 10:49
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 11:04:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 10:56:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

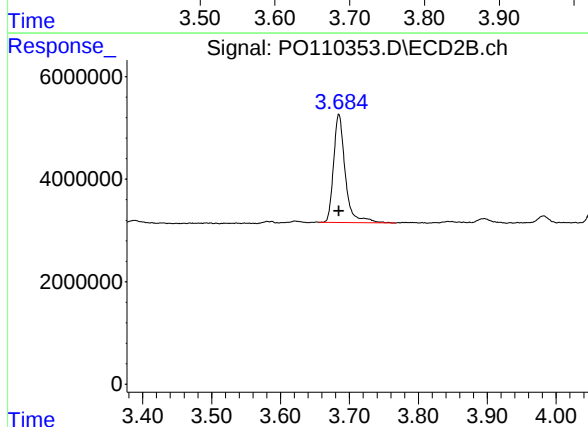




#1 Tetrachloro-m-xylene

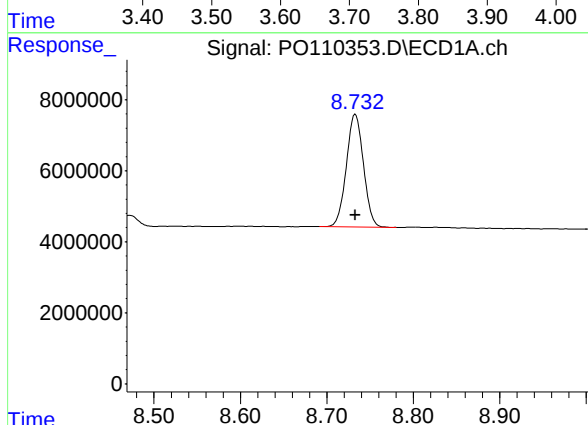
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 43289216
Conc: 4.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



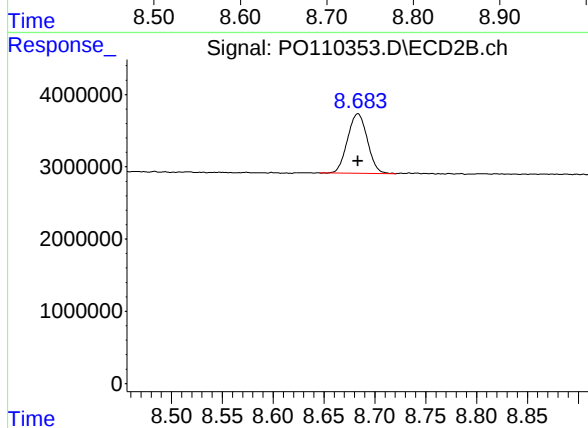
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 24808316
Conc: 4.97 ng/ml



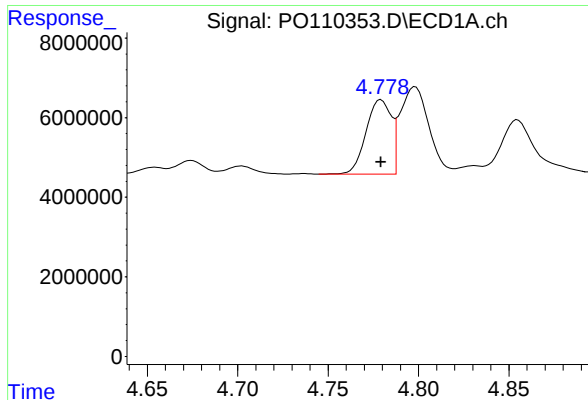
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 43582732
Conc: 5.52 ng/ml



#2 Decachlorobiphenyl

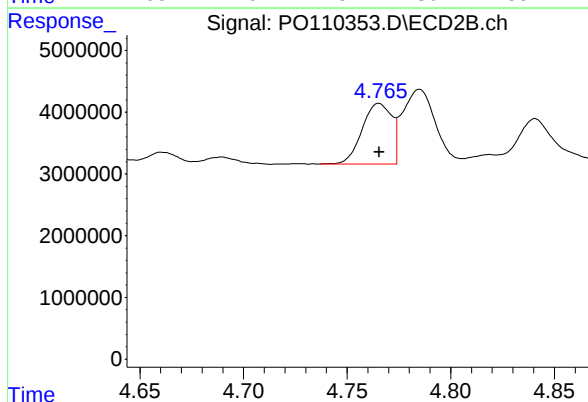
R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 11156787
Conc: 5.80 ng/ml



#3 AR-1016-1

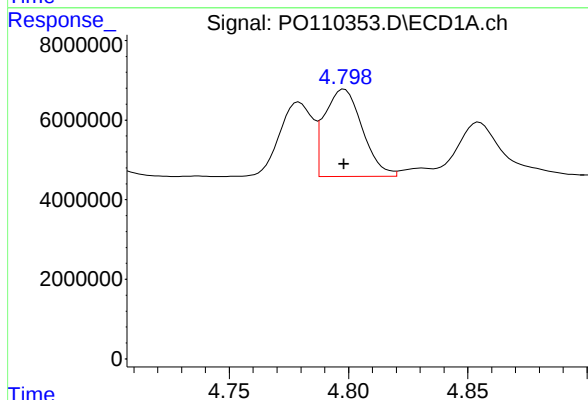
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 18011965
Conc: 54.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



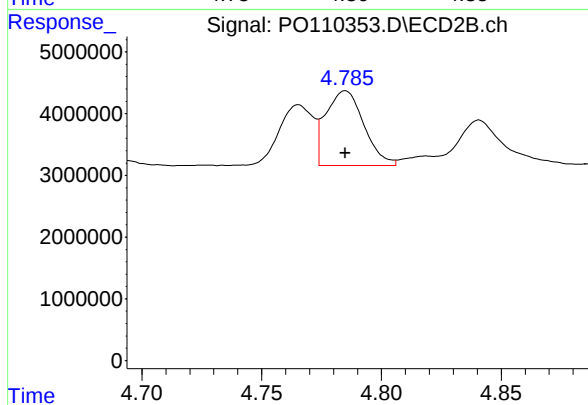
#3 AR-1016-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 9728182
Conc: 55.43 ng/ml



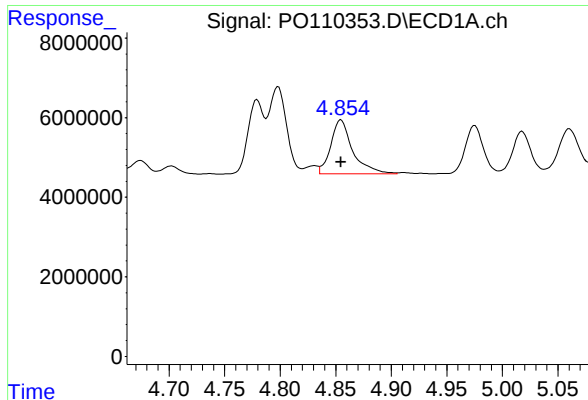
#4 AR-1016-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 24206905
Conc: 53.21 ng/ml



#4 AR-1016-2

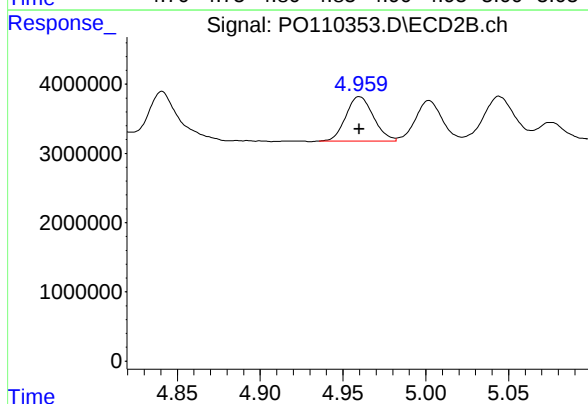
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 13399432
Conc: 53.29 ng/ml



#5 AR-1016-3

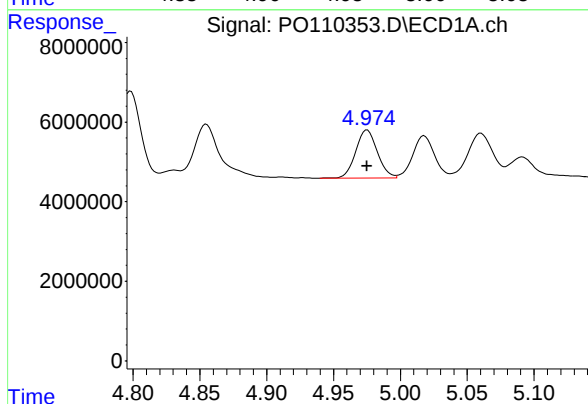
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 18658513
Conc: 57.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



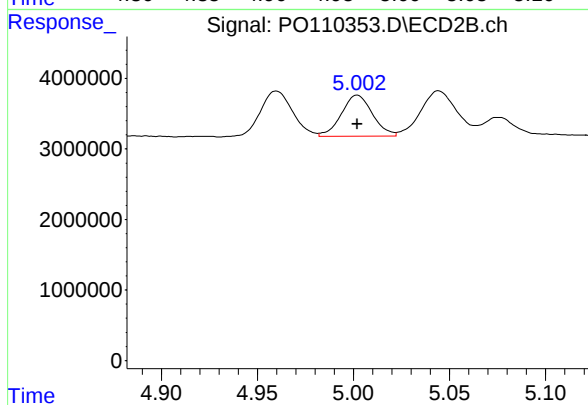
#5 AR-1016-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 7415278
Conc: 54.64 ng/ml



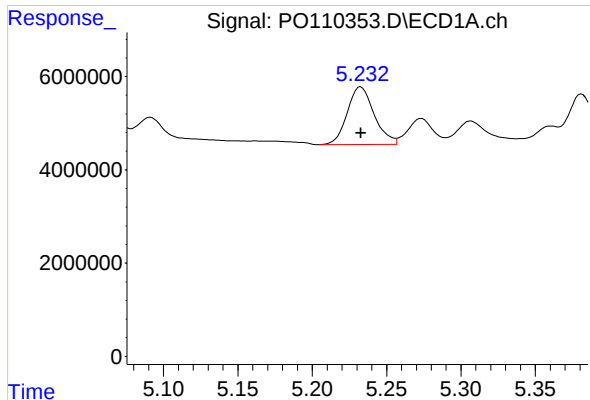
#6 AR-1016-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 13549991
Conc: 54.38 ng/ml



#6 AR-1016-4

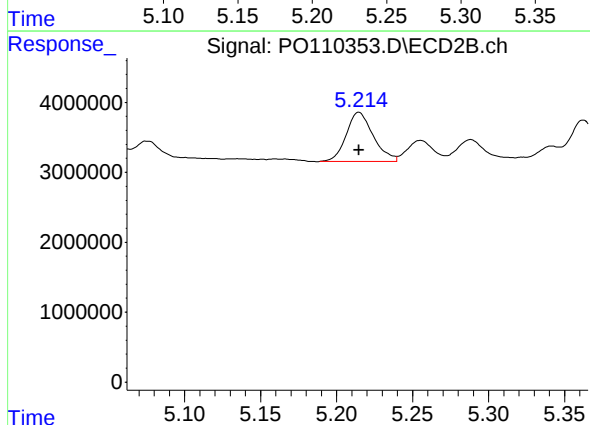
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 6527964
Conc: 57.08 ng/ml



#7 AR-1016-5

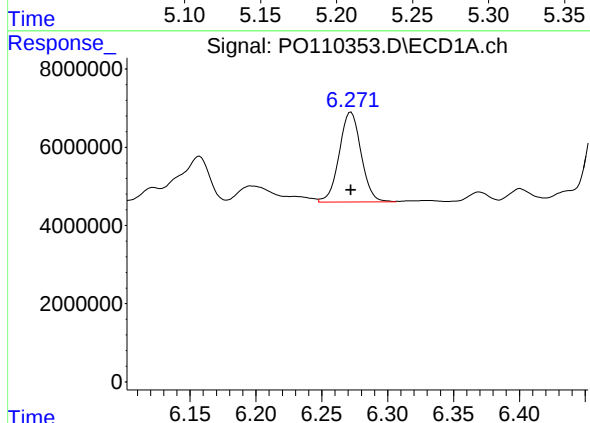
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 15589904
Conc: 57.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



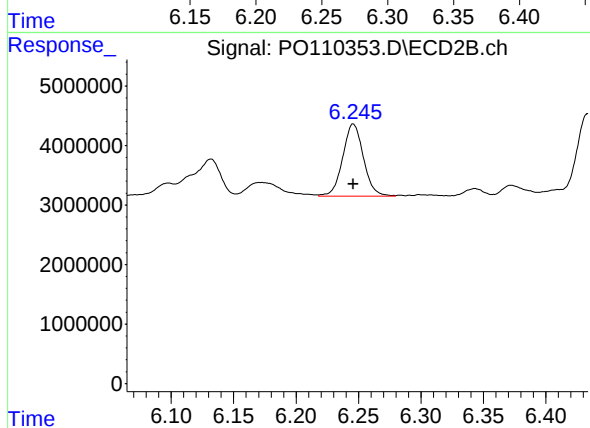
#7 AR-1016-5

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 8732807
Conc: 58.58 ng/ml



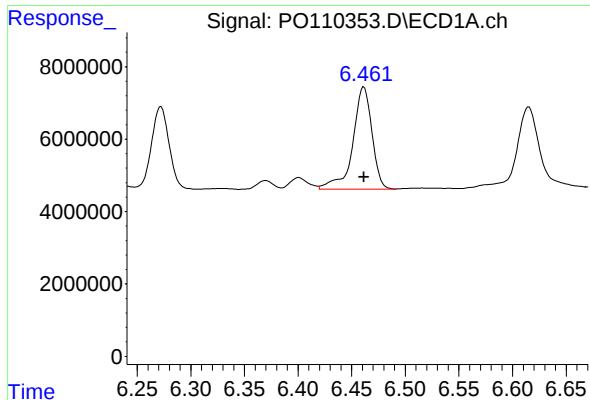
#31 AR-1260-1

R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 26614614
Conc: 56.33 ng/ml



#31 AR-1260-1

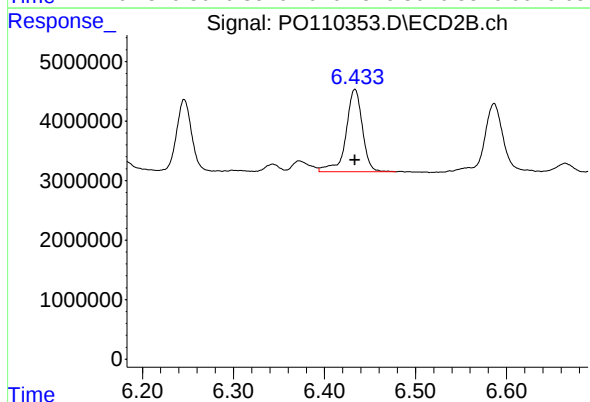
R.T.: 6.246 min
Delta R.T.: 0.000 min
Response: 13981013
Conc: 56.84 ng/ml



#32 AR-1260-2

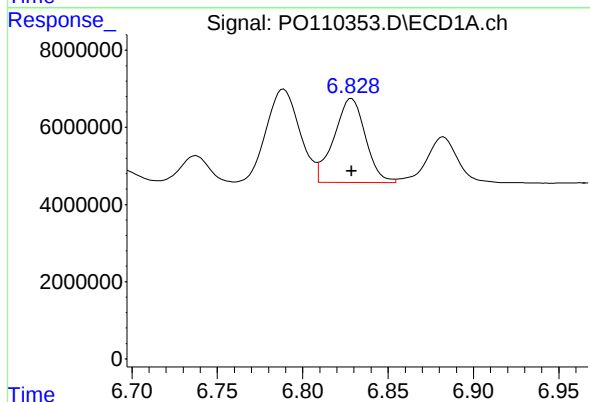
R.T.: 6.461 min
Delta R.T.: 0.000 min
Response: 35159753
Conc: 59.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



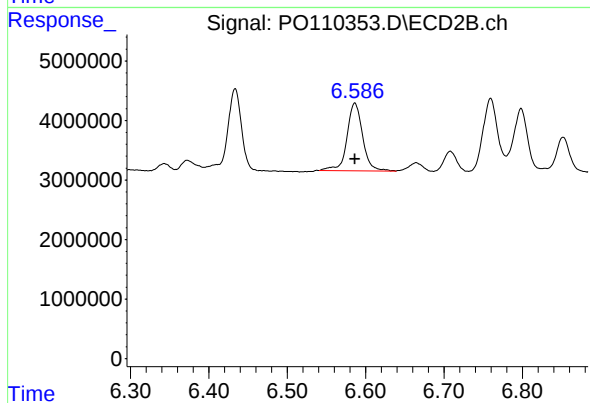
#32 AR-1260-2

R.T.: 6.433 min
Delta R.T.: 0.000 min
Response: 17340702
Conc: 59.44 ng/ml



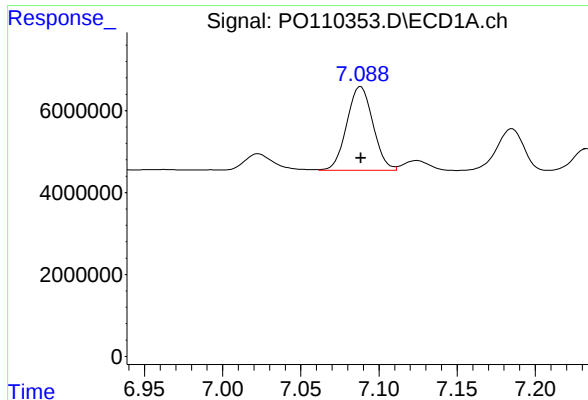
#33 AR-1260-3

R.T.: 6.829 min
Delta R.T.: 0.000 min
Response: 27896623
Conc: 56.60 ng/ml



#33 AR-1260-3

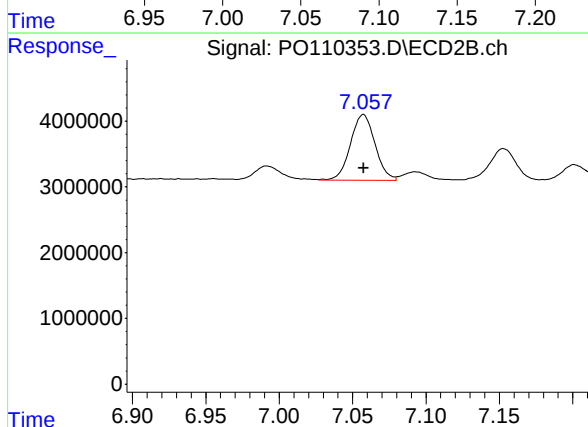
R.T.: 6.586 min
Delta R.T.: 0.000 min
Response: 15884287
Conc: 58.64 ng/ml



#34 AR-1260-4

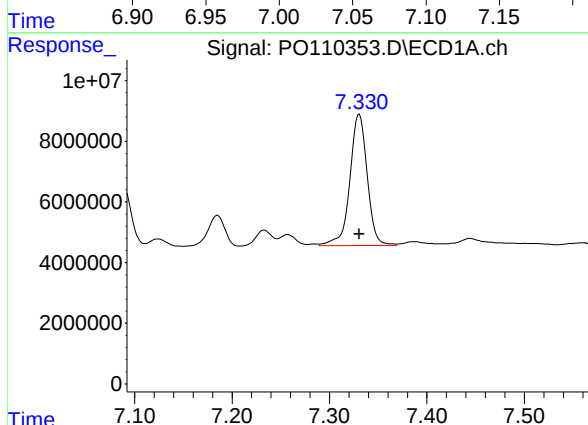
R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 23828498
Conc: 56.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



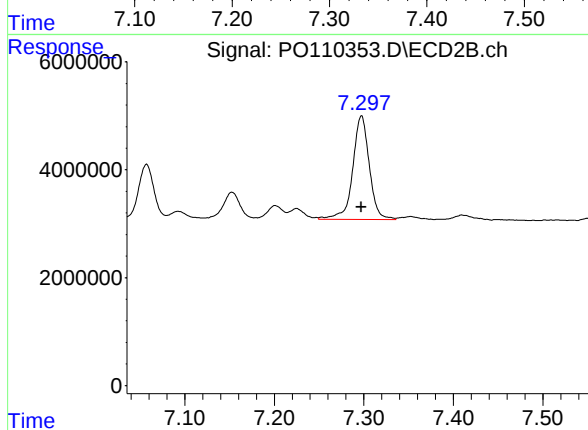
#34 AR-1260-4

R.T.: 7.057 min
Delta R.T.: 0.000 min
Response: 11617411
Conc: 57.90 ng/ml



#35 AR-1260-5

R.T.: 7.331 min
Delta R.T.: 0.000 min
Response: 53567336
Conc: 51.34 ng/ml



#35 AR-1260-5

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 24854158
Conc: 54.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110354.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 11:08
 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: Apr 10 11:55:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 11:55:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	417.4E6	233.4E6	50.000	50.000
2) SA Decachlor...	8.732	8.684	379.4E6	91675770	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.901	3.895	59017332	33386157	500.000	500.000
9) L2 AR-1221-2	3.987	3.981	44171792	25048140	500.000	500.000
10) L2 AR-1221-3	4.064	4.057	131.6E6	74585161	500.000	500.000

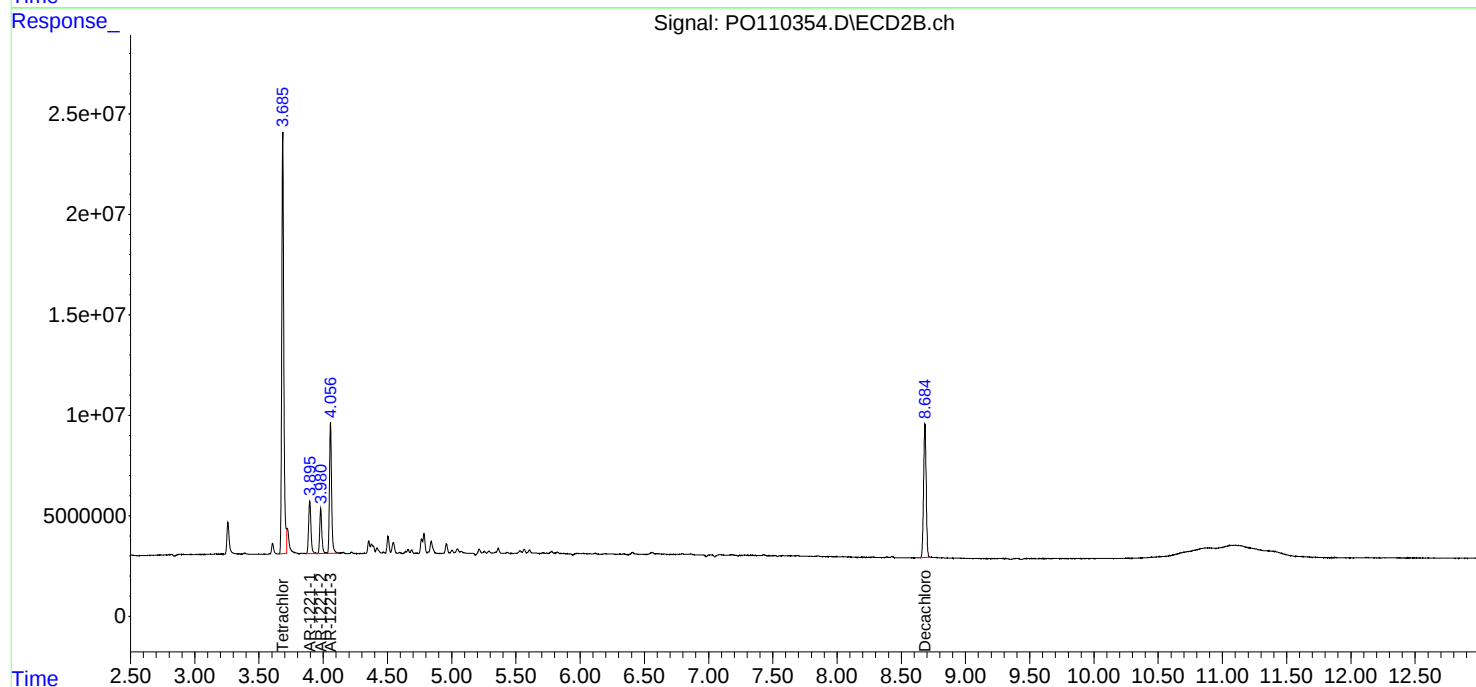
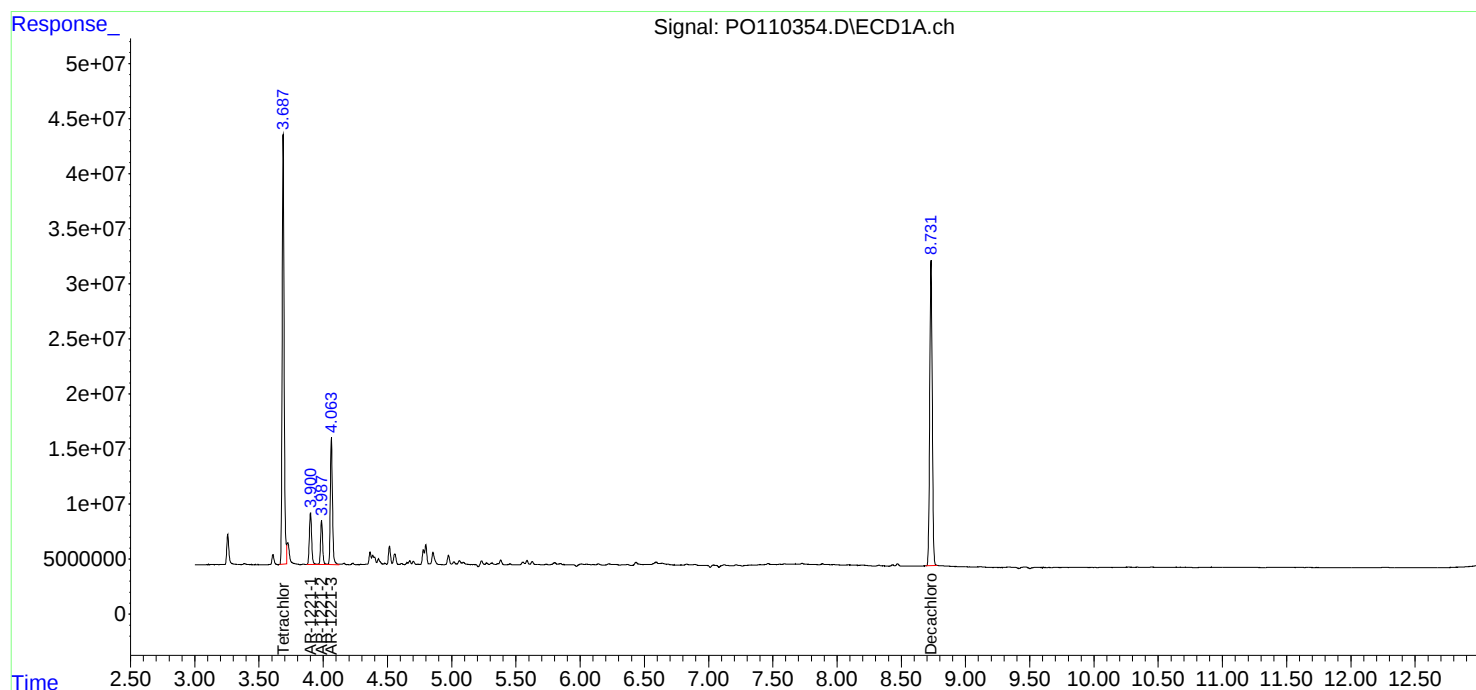
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

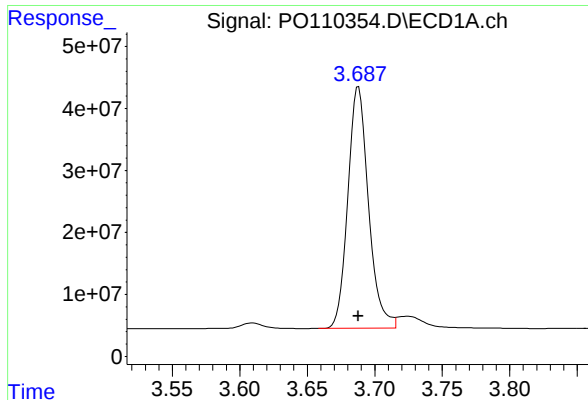
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 11:08
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 11:55:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 11:55:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

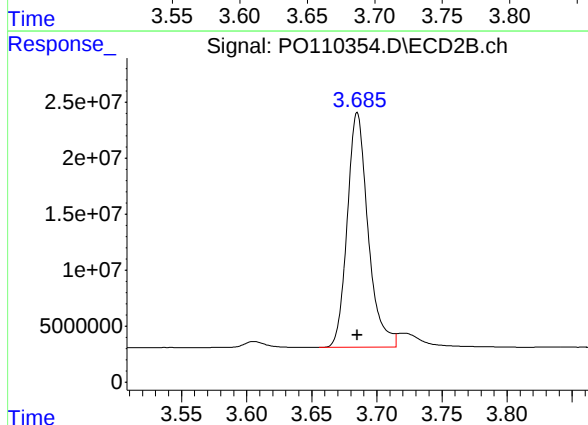




#1 Tetrachloro-m-xylene

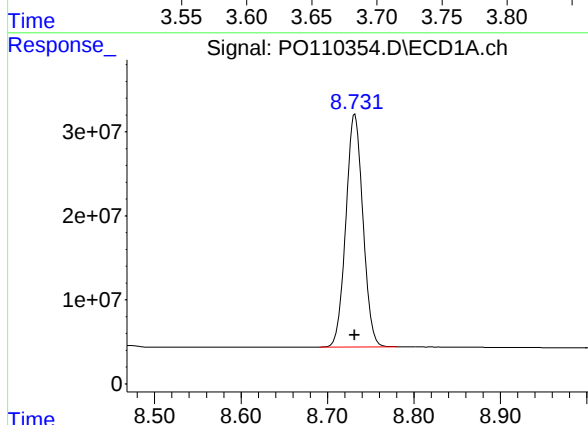
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 417415920
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



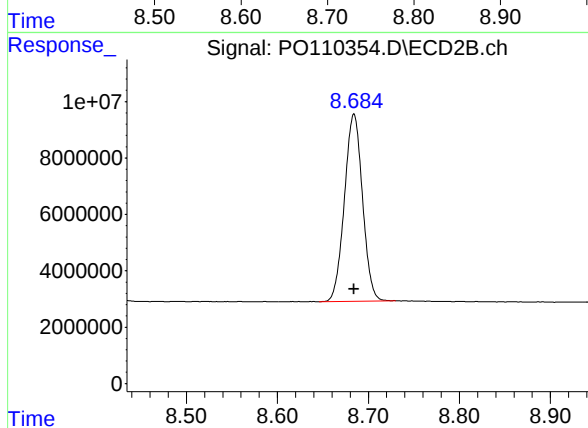
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 233406278
Conc: 50.00 ng/ml



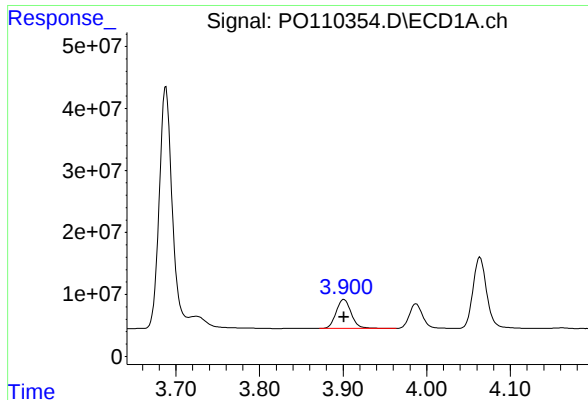
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 379375296
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

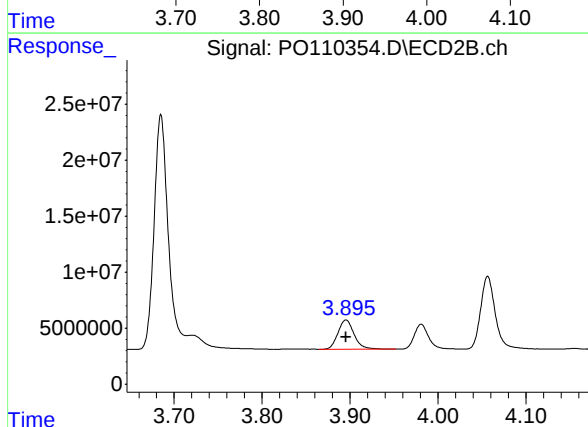
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 91675770
Conc: 50.00 ng/ml



#8 AR-1221-1

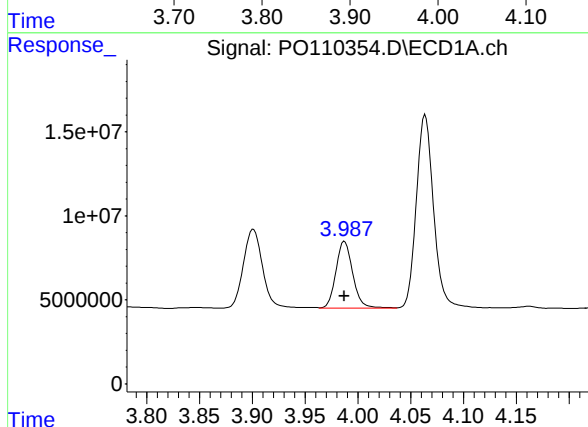
R.T.: 3.901 min
Delta R.T.: 0.000 min
Response: 59017332
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



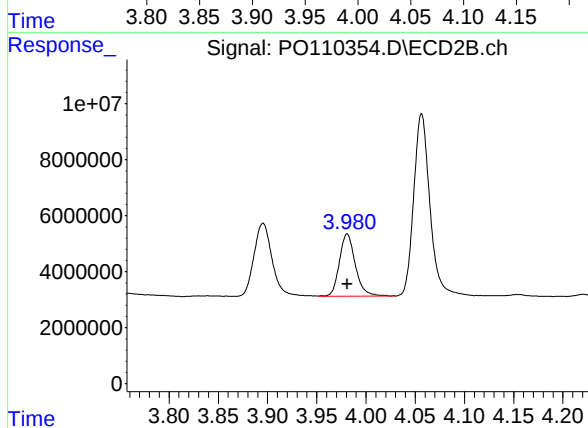
#8 AR-1221-1

R.T.: 3.895 min
Delta R.T.: 0.000 min
Response: 33386157
Conc: 500.00 ng/ml



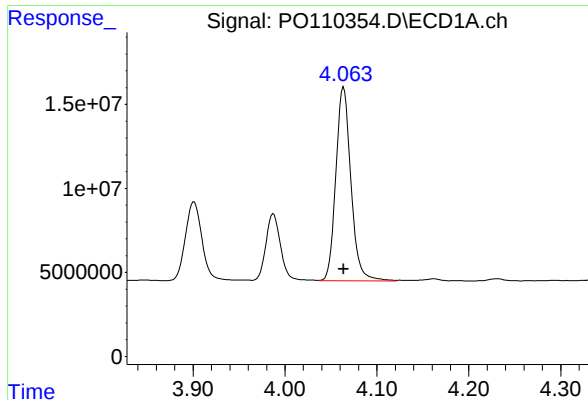
#9 AR-1221-2

R.T.: 3.987 min
Delta R.T.: 0.000 min
Response: 44171792
Conc: 500.00 ng/ml



#9 AR-1221-2

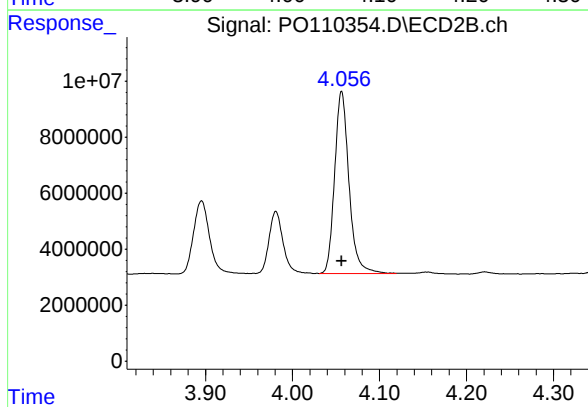
R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 25048140
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.064 min
Delta R.T.: 0.000 min
Response: 131562252
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.057 min
Delta R.T.: 0.000 min
Response: 74585161
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110355.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 11:26
 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: Apr 10 11:58:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 11:55:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	398.8E6	234.5E6	50.000	50.000
2) SA Decachlor...	8.732	8.684	375.1E6	90279792	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.063	4.056	102.4E6	57511970	500.000	500.000
12) L3 AR-1232-2	4.556	4.784	53354286	55434068	500.000	500.000
13) L3 AR-1232-3	4.798	4.959	99890710	28601554	500.000	500.000
14) L3 AR-1232-4	4.975	5.044	51149202	26976681	500.000	500.000
15) L3 AR-1232-5	5.016	5.214	34451183	28567949	500.000	500.000

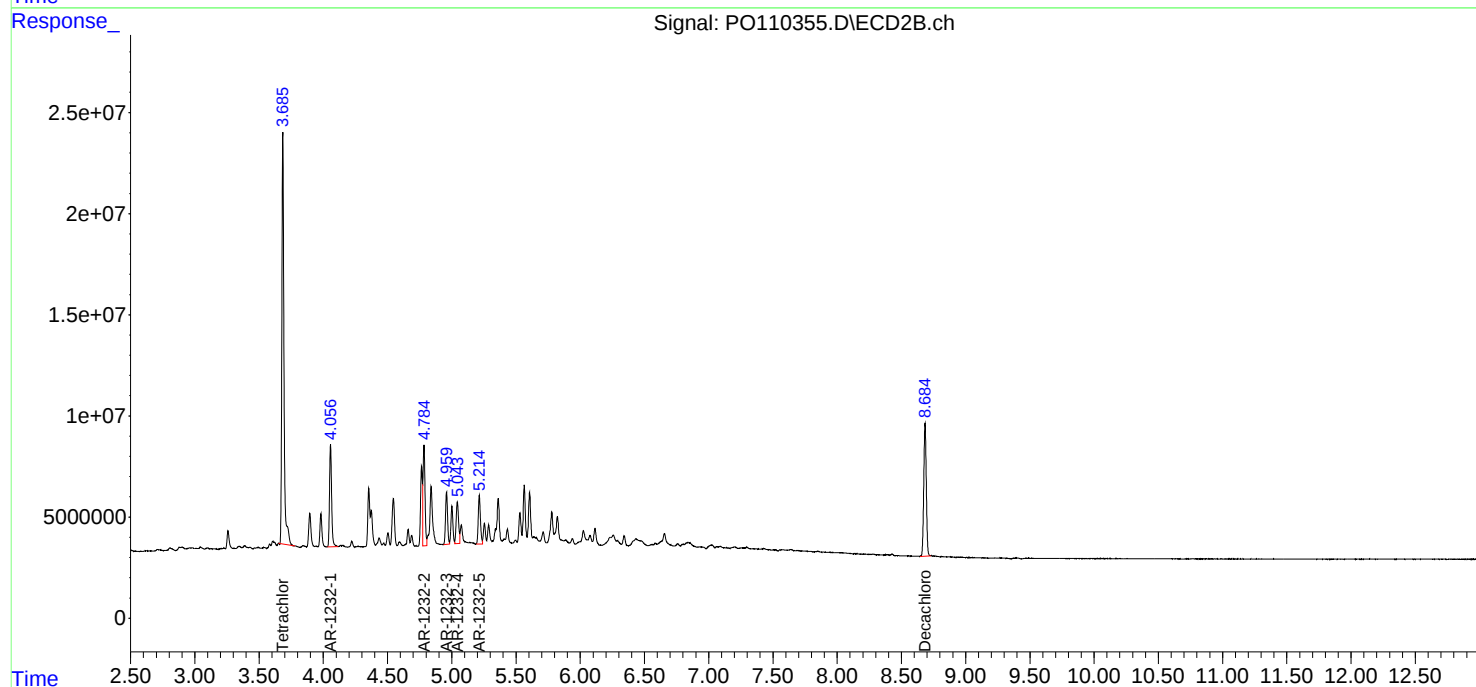
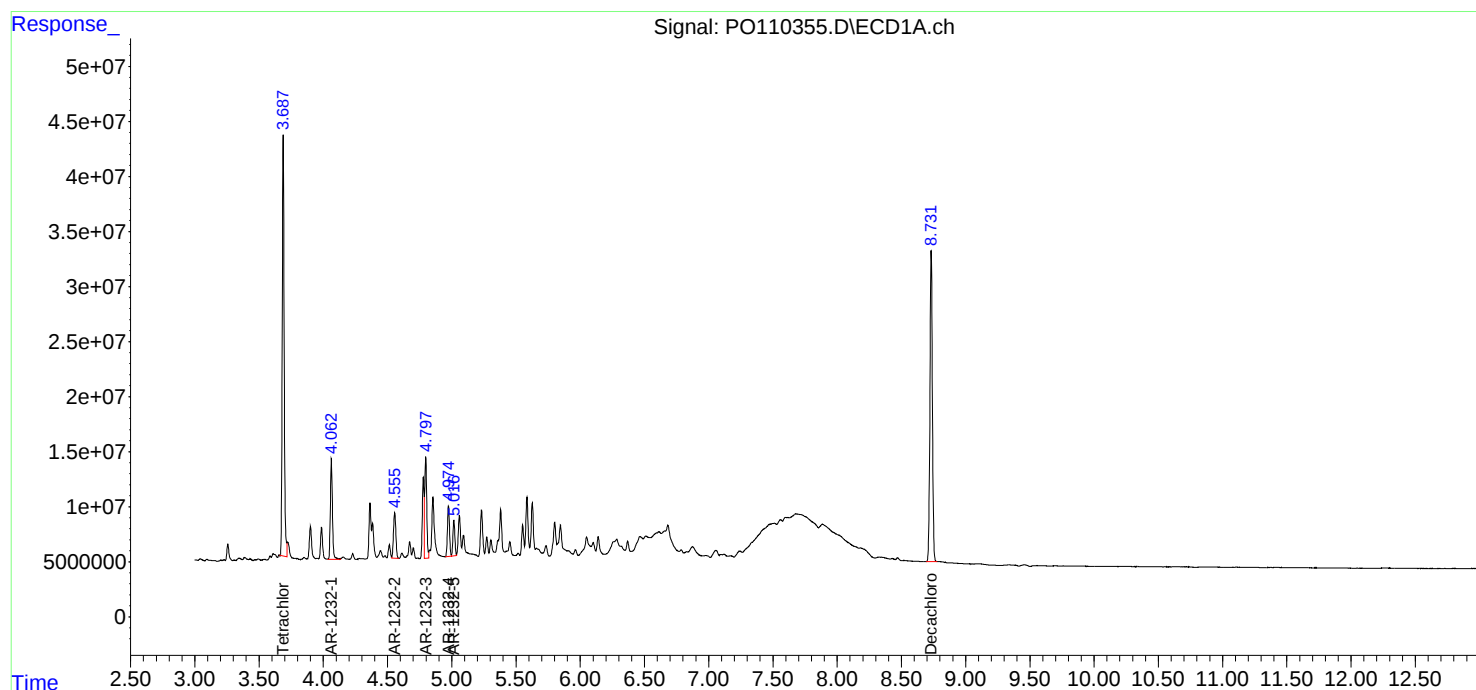
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

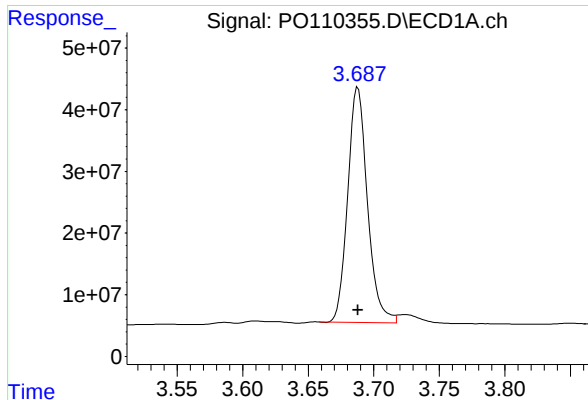
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 11:26
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 11:58:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 11:55:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

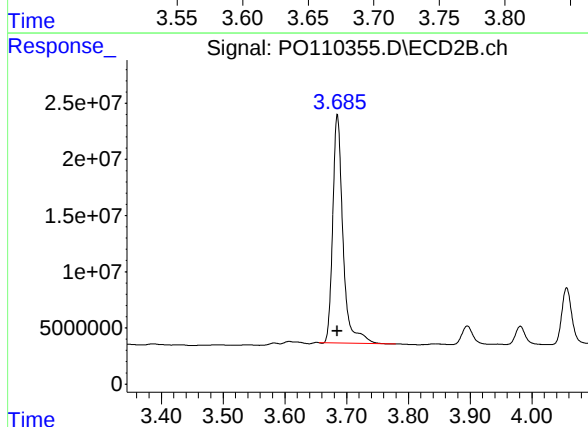




#1 Tetrachloro-m-xylene

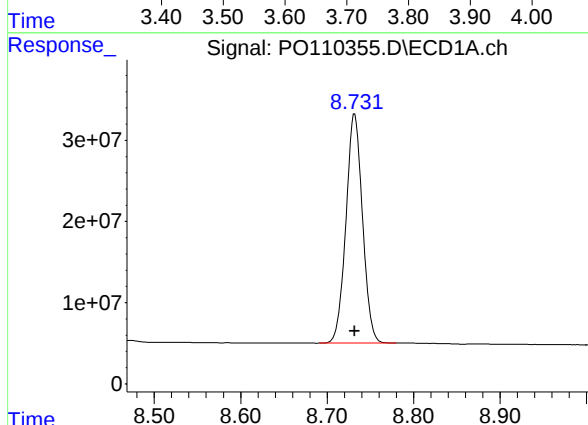
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 398843258
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



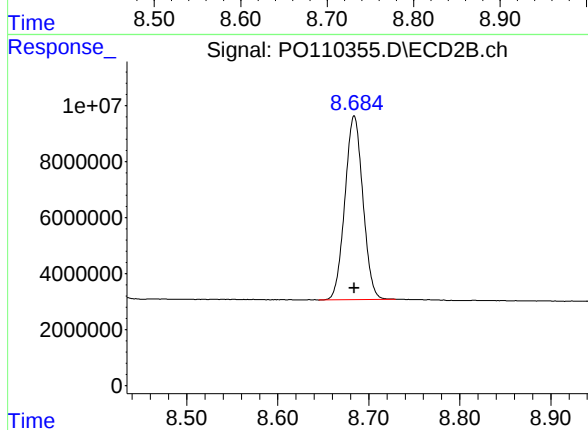
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 234466810
Conc: 50.00 ng/ml



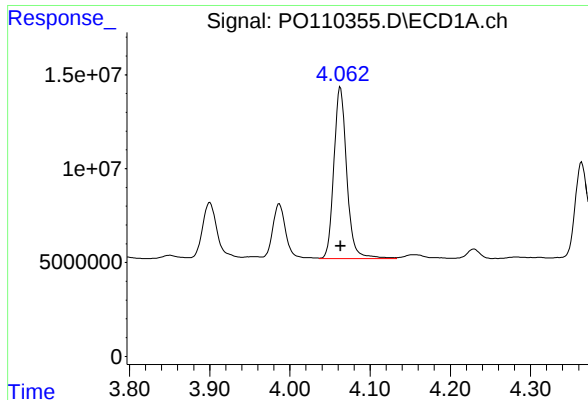
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 375127785
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

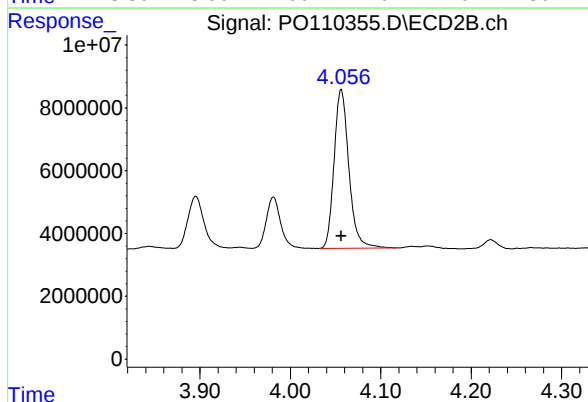
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 90279792
Conc: 50.00 ng/ml



#11 AR-1232-1

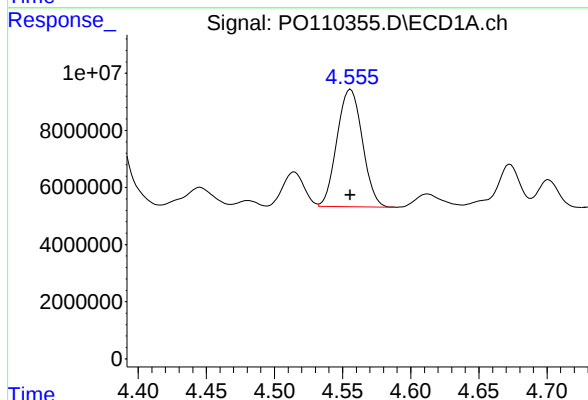
R.T.: 4.063 min
Delta R.T.: 0.000 min
Response: 102411775
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



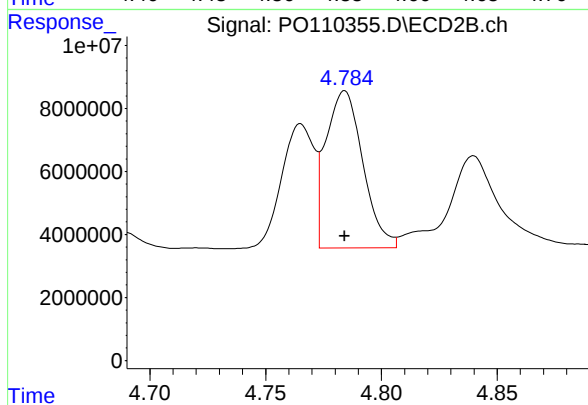
#11 AR-1232-1

R.T.: 4.056 min
Delta R.T.: 0.000 min
Response: 57511970
Conc: 500.00 ng/ml



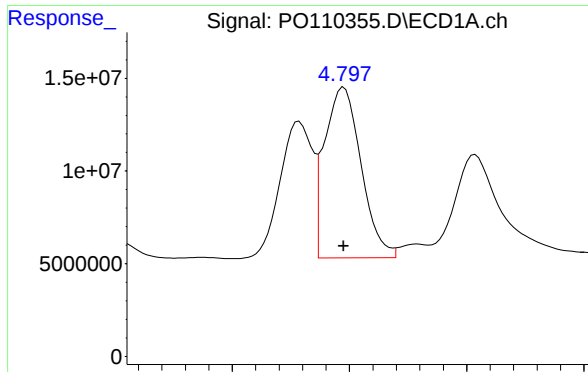
#12 AR-1232-2

R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 53354286
Conc: 500.00 ng/ml



#12 AR-1232-2

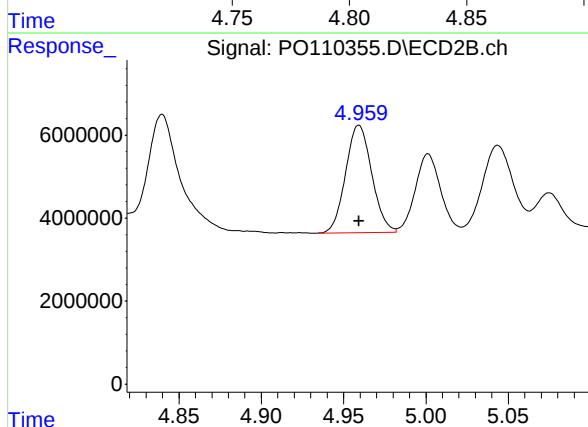
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 55434068
Conc: 500.00 ng/ml



#13 AR-1232-3

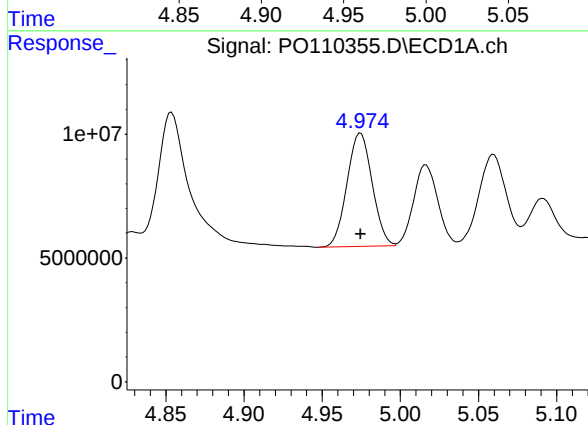
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 99890710
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



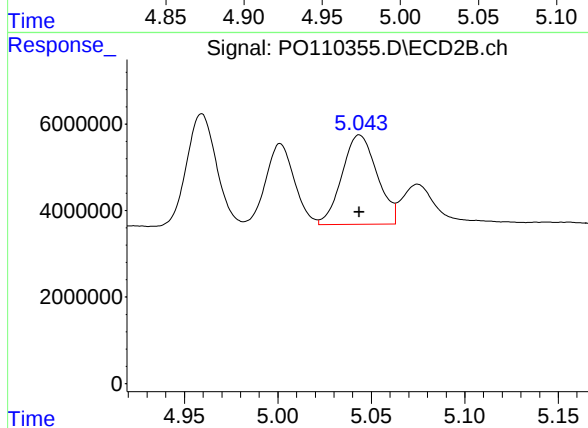
#13 AR-1232-3

R.T.: 4.959 min
Delta R.T.: 0.000 min
Response: 28601554
Conc: 500.00 ng/ml



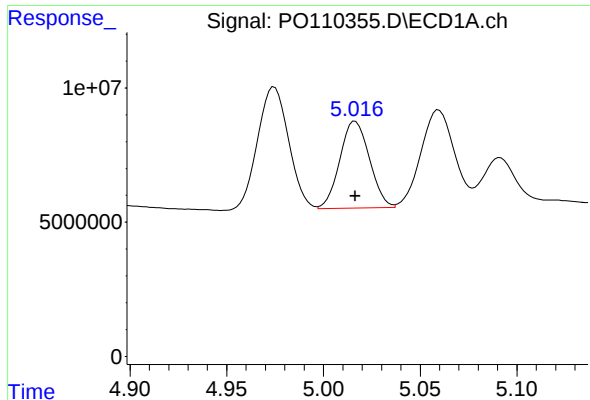
#14 AR-1232-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 51149202
Conc: 500.00 ng/ml



#14 AR-1232-4

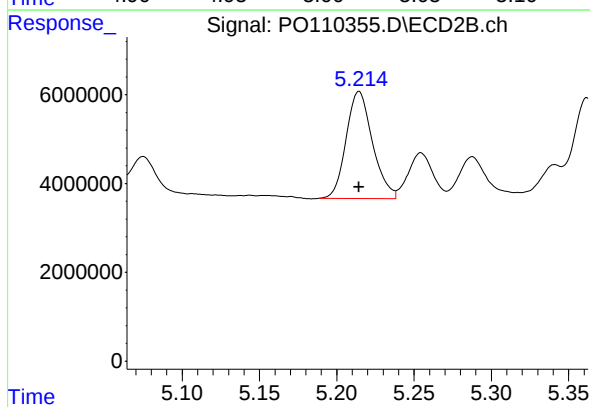
R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 26976681
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 34451183
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 28567949
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110356.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 11:44
 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: Apr 10 12:34:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 12:31:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	827.2E6	466.8E6	96.341	96.381
2) SA Decachlor...	8.733	8.684	723.7E6	161.9E6	95.968	92.585
Target Compounds						
16) L4 AR-1242-1	4.780	4.766	251.4E6	135.4E6	944.813	952.306
17) L4 AR-1242-2	4.799	4.785	357.5E6	196.0E6	959.280	955.179
18) L4 AR-1242-3	4.855	4.960	243.8E6	104.3E6	938.223	947.136
19) L4 AR-1242-4	4.976	5.044	192.5E6	104.2E6	946.796	934.477
20) L4 AR-1242-5	5.628	5.565	201.5E6	127.6E6	943.266	944.974

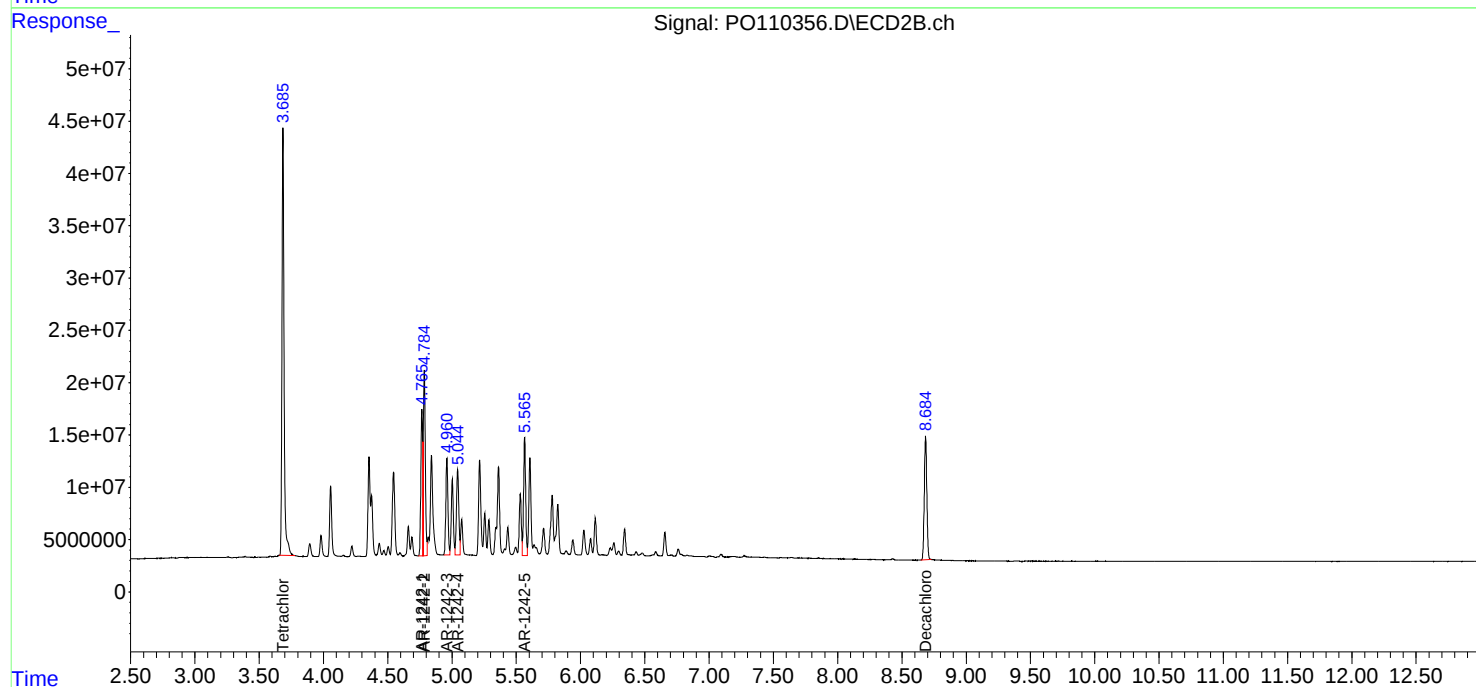
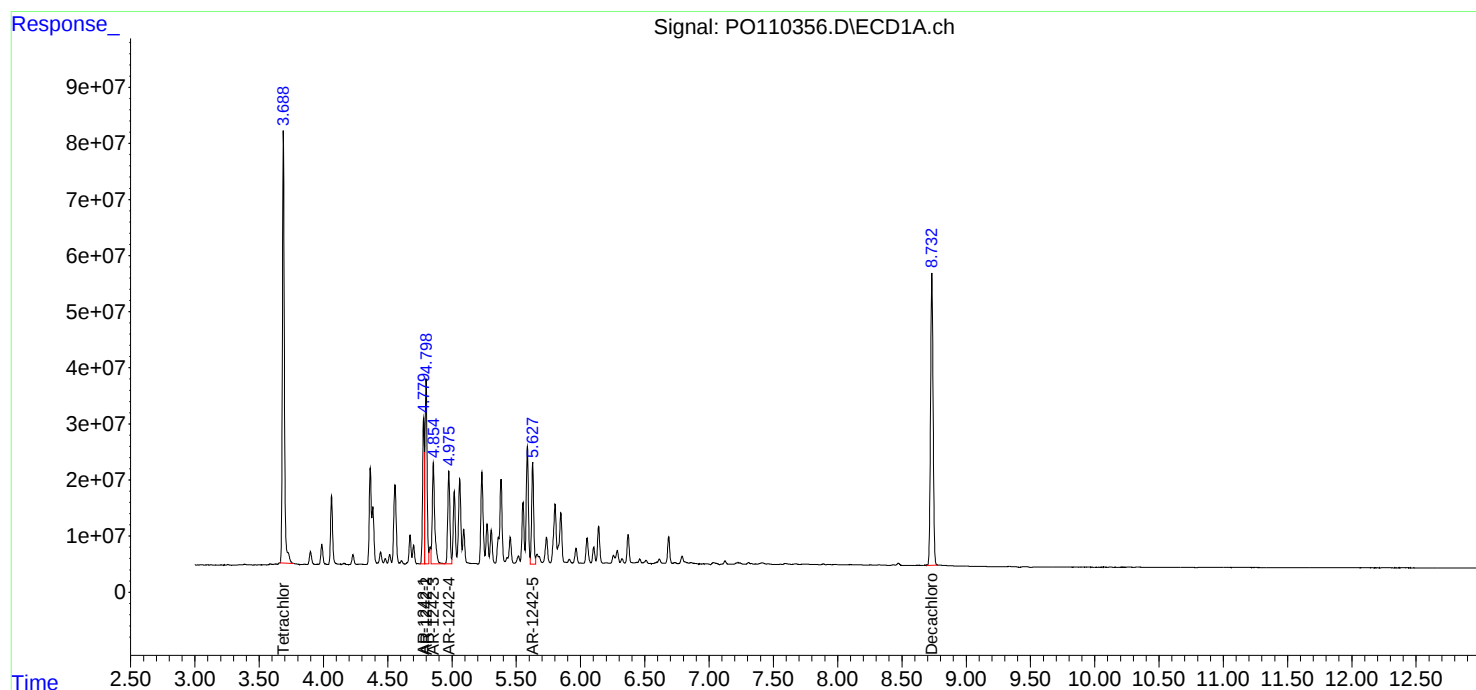
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

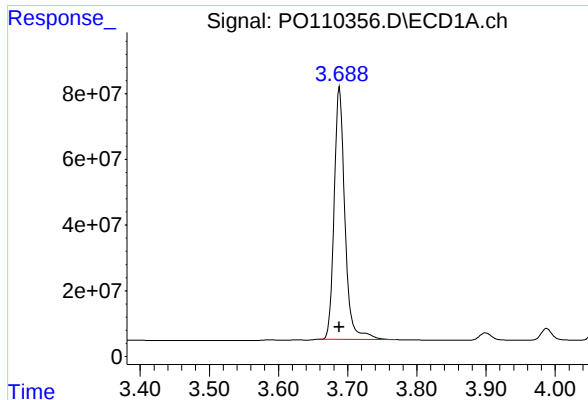
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 11:44
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 12:34:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 12:31:05 2025
Response via : 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

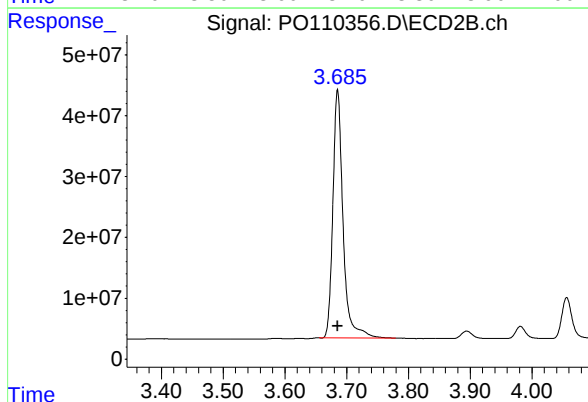




#1 Tetrachloro-m-xylene

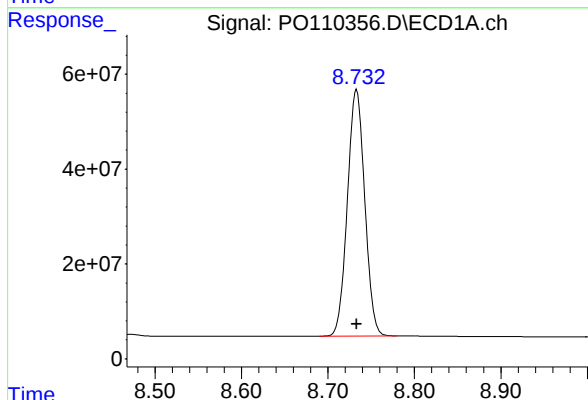
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 827152171
Conc: 96.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



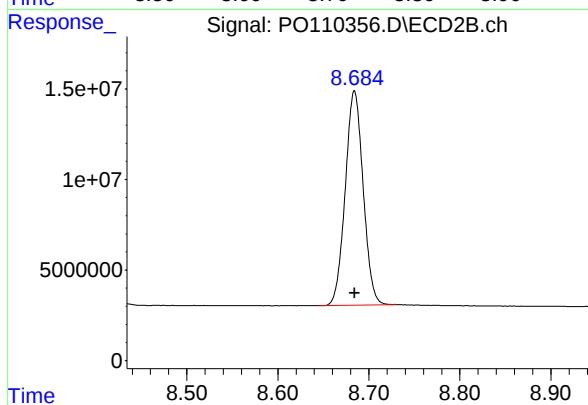
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 466802602
Conc: 96.38 ng/ml



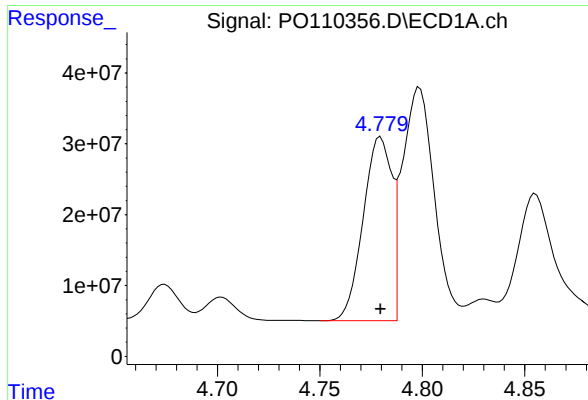
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 723668193
Conc: 95.97 ng/ml



#2 Decachlorobiphenyl

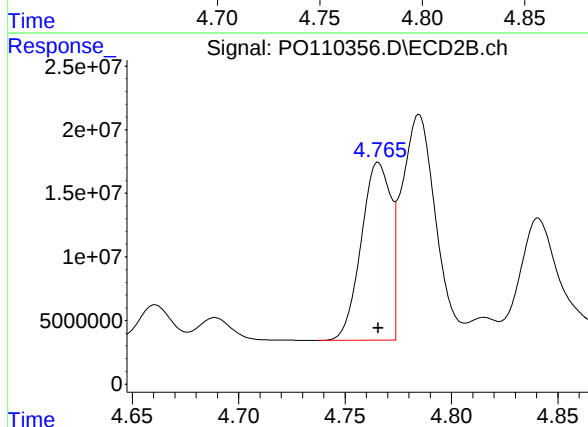
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 161857670
Conc: 92.58 ng/ml



#16 AR-1242-1

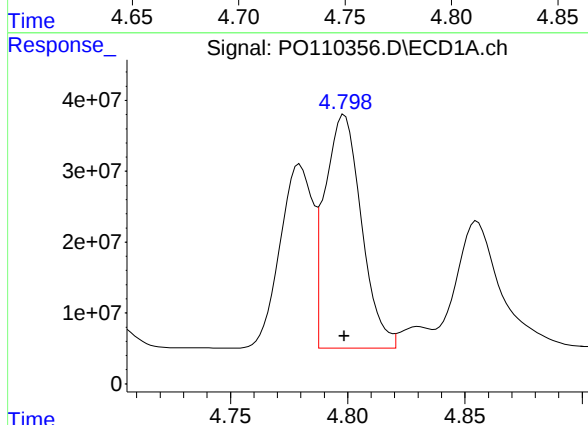
R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 251425090
Conc: 944.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



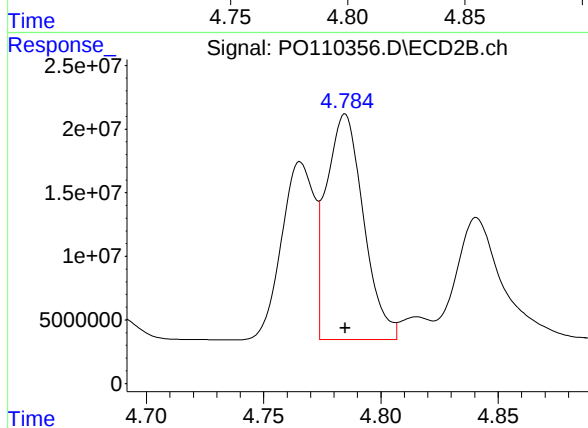
#16 AR-1242-1

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 135406625
Conc: 952.31 ng/ml



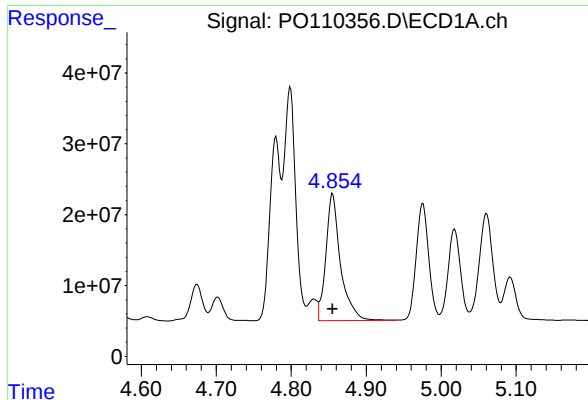
#17 AR-1242-2

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 357466275
Conc: 959.28 ng/ml



#17 AR-1242-2

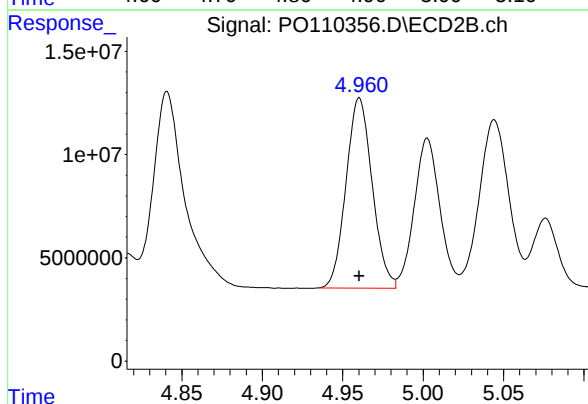
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 196039746
Conc: 955.18 ng/ml



#18 AR-1242-3

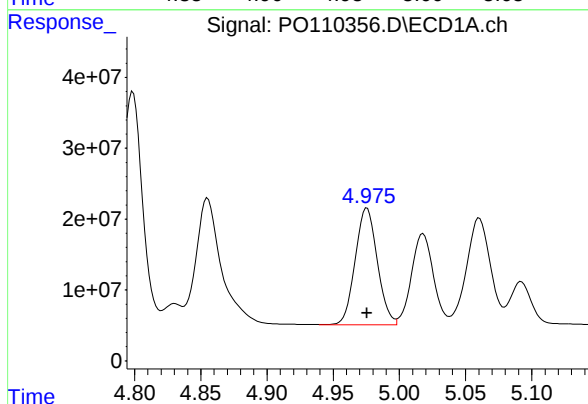
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 243771373
Conc: 938.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



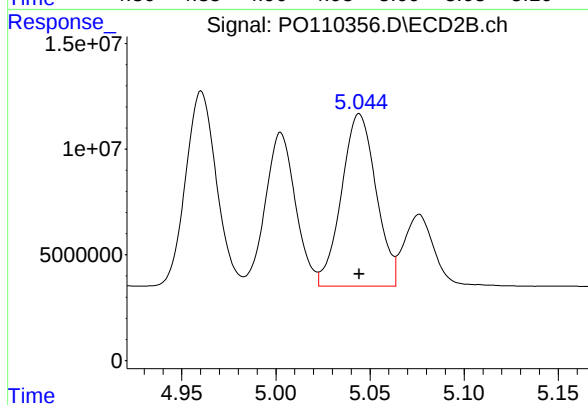
#18 AR-1242-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 104255216
Conc: 947.14 ng/ml



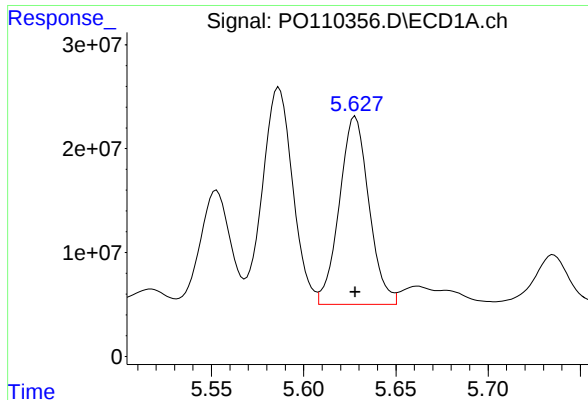
#19 AR-1242-4

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 192501706
Conc: 946.80 ng/ml



#19 AR-1242-4

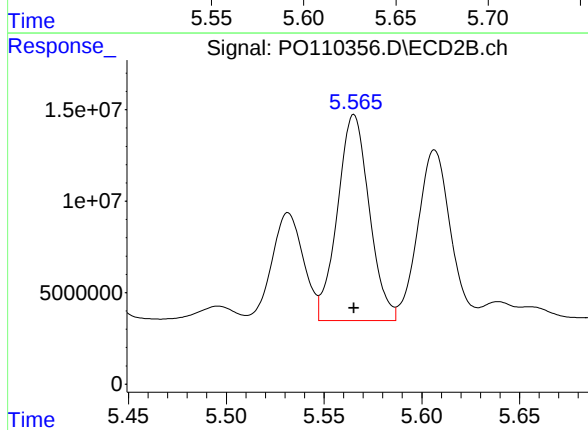
R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 104208953
Conc: 934.48 ng/ml



#20 AR-1242-5

R.T.: 5.628 min
Delta R.T.: 0.000 min
Response: 201519138
Conc: 943.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.565 min
Delta R.T.: 0.000 min
Response: 127551049
Conc: 944.97 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110357.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 12:03
 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: Apr 10 12:36:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 12:31:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	658.2E6	370.5E6	76.100	75.993
2) SA Decachlor...	8.733	8.684	567.8E6	132.4E6	75.200	75.507
Target Compounds						
16) L4 AR-1242-1	4.780	4.766	198.9E6	107.1E6	748.410	752.372
17) L4 AR-1242-2	4.798	4.785	286.0E6	156.3E6	761.574	757.700
18) L4 AR-1242-3	4.855	4.960	217.2E6	83520623	805.293	755.822
19) L4 AR-1242-4	4.975	5.045	154.0E6	84537972	754.983	755.368
20) L4 AR-1242-5	5.627	5.565	161.1E6	102.1E6	752.686	754.354

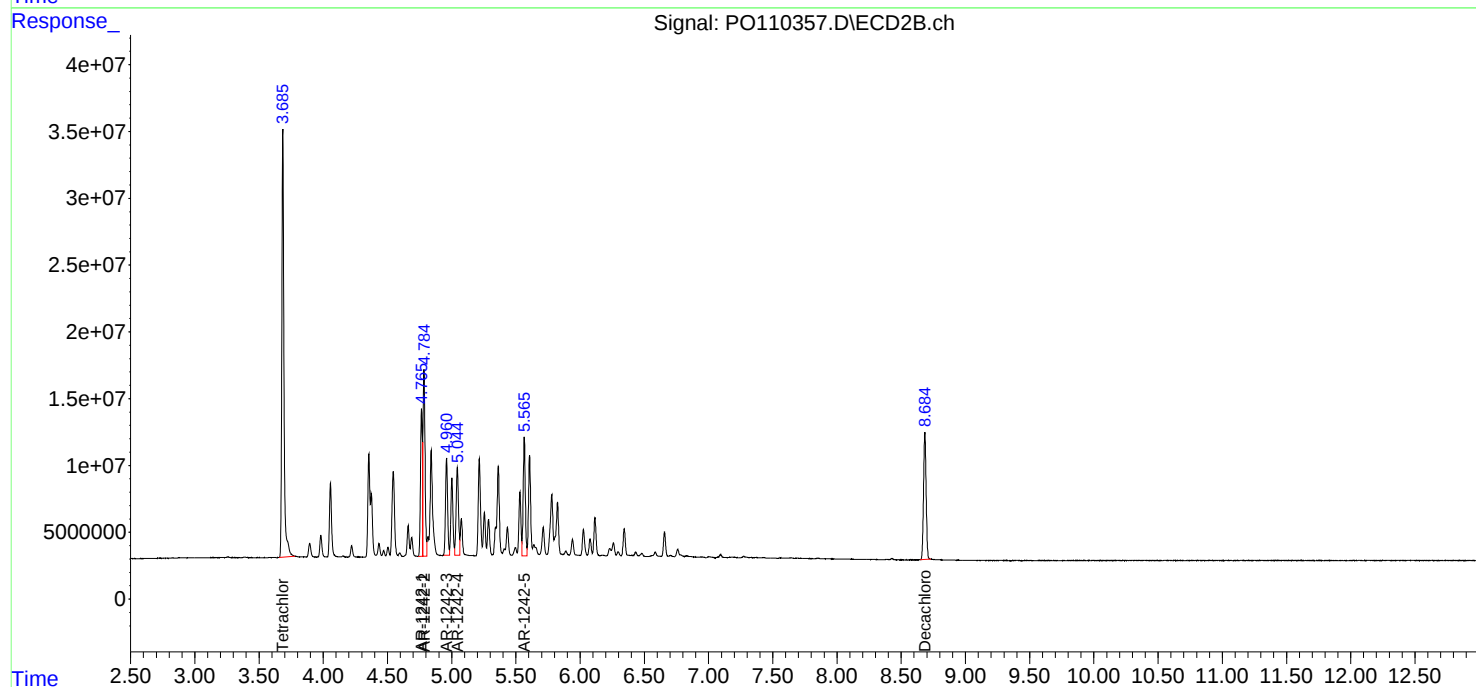
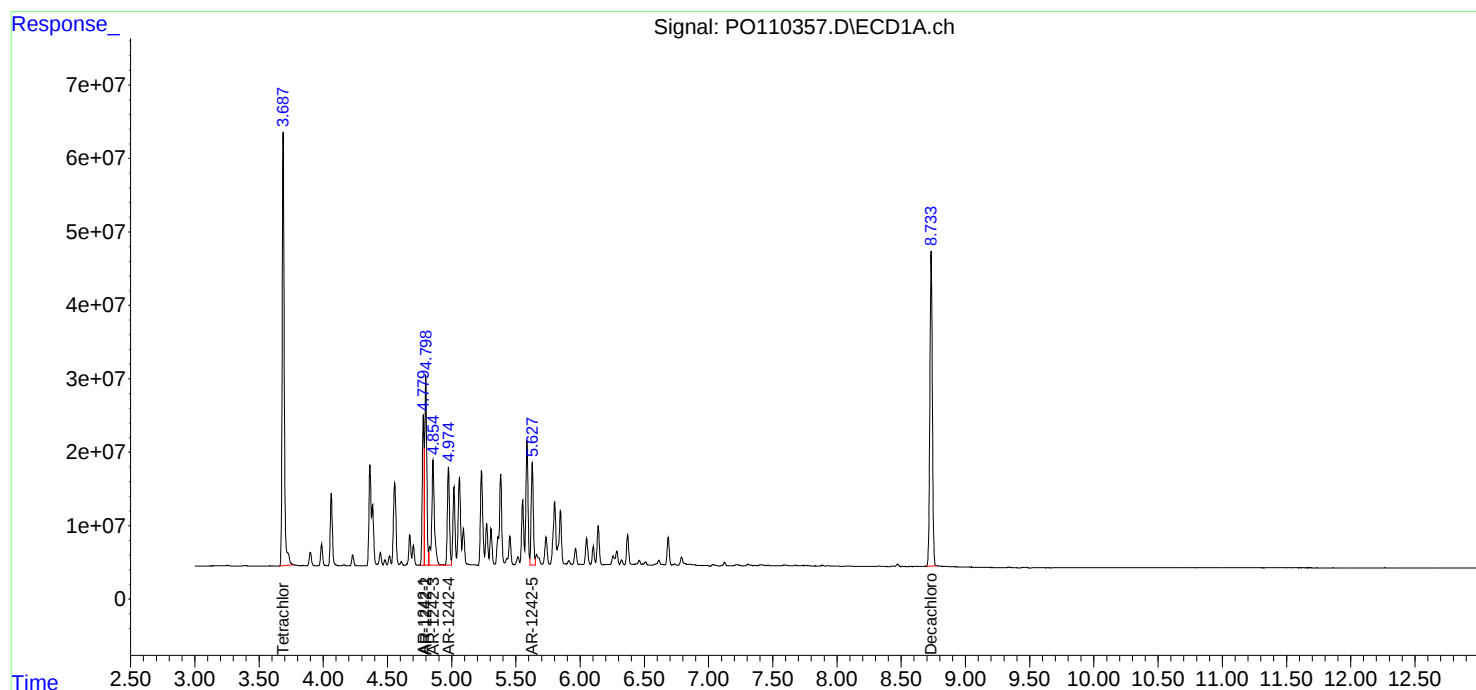
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

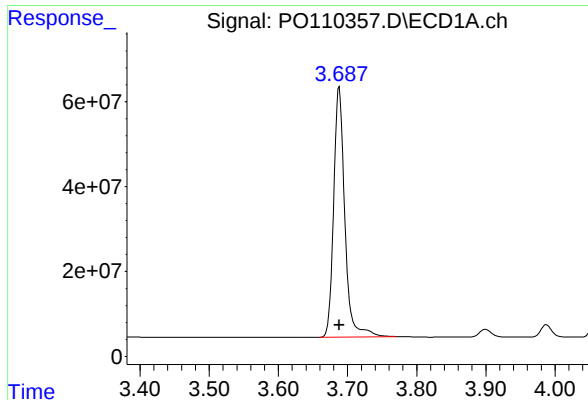
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 12:03
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 12:36:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 12:31:05 2025
Response via : 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

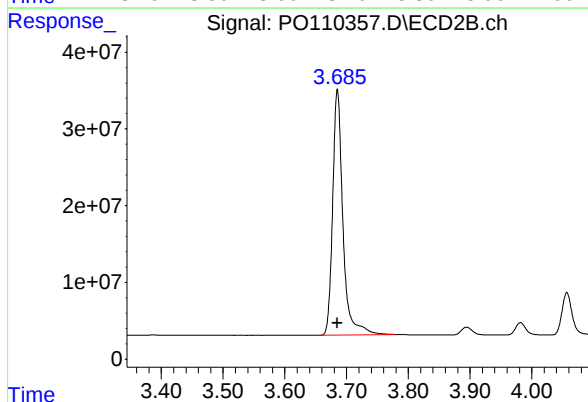




#1 Tetrachloro-m-xylene

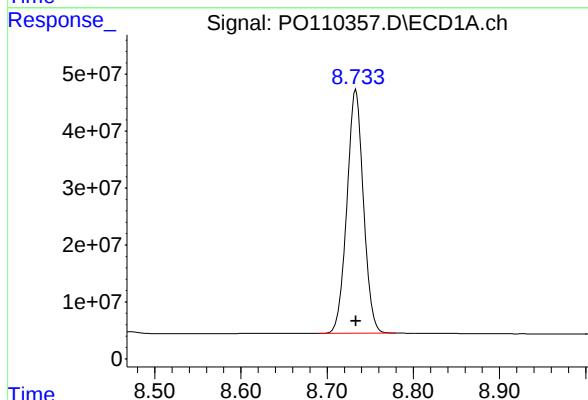
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 658203968
Conc: 76.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



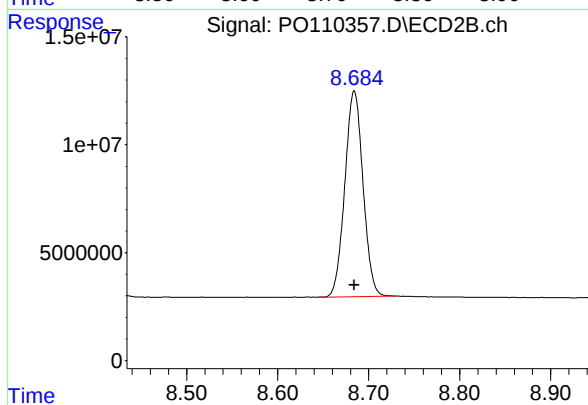
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 370506533
Conc: 75.99 ng/ml



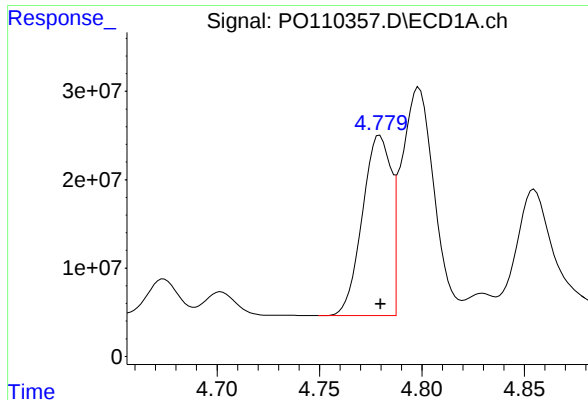
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 567817183
Conc: 75.20 ng/ml



#2 Decachlorobiphenyl

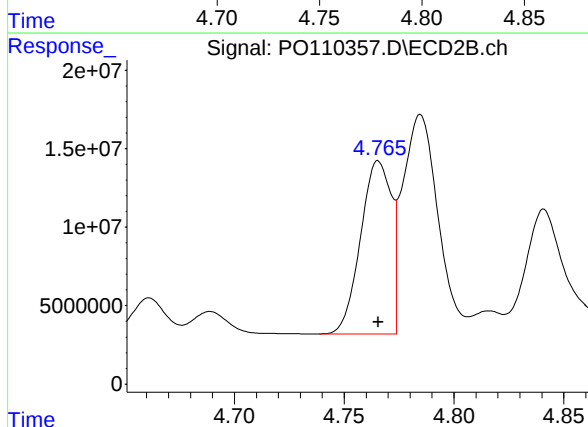
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 132448865
Conc: 75.51 ng/ml



#16 AR-1242-1

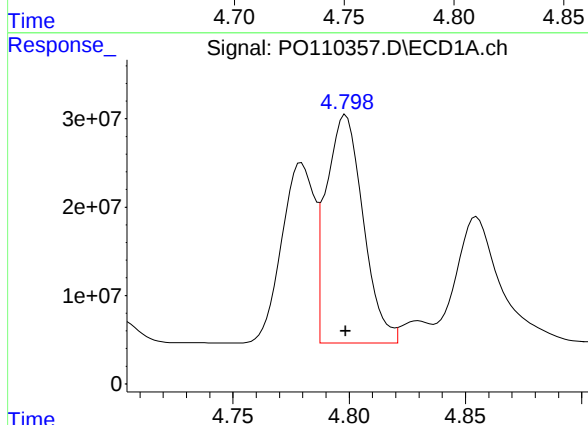
R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 198949228
Conc: 748.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



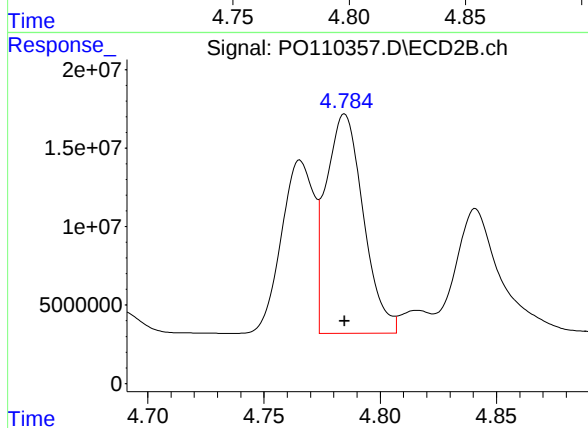
#16 AR-1242-1

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 107147844
Conc: 752.37 ng/ml



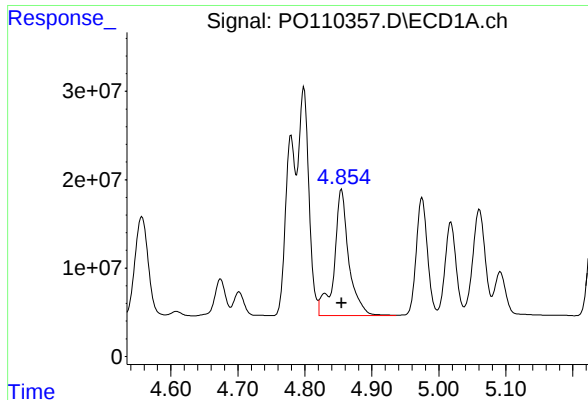
#17 AR-1242-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 285999640
Conc: 761.57 ng/ml



#17 AR-1242-2

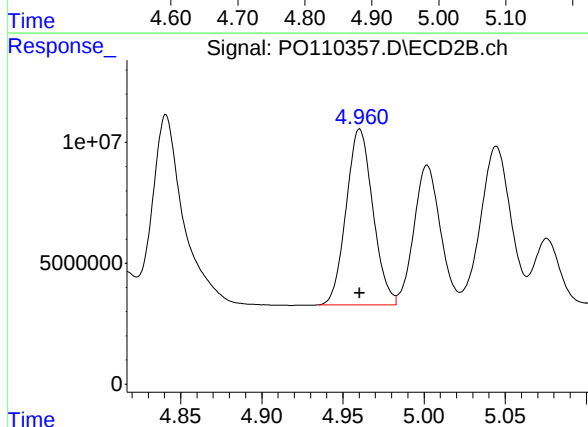
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 156311902
Conc: 757.70 ng/ml



#18 AR-1242-3

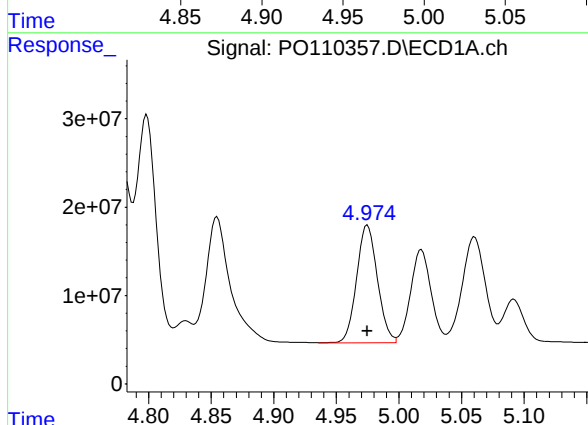
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 217241363
Conc: 805.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



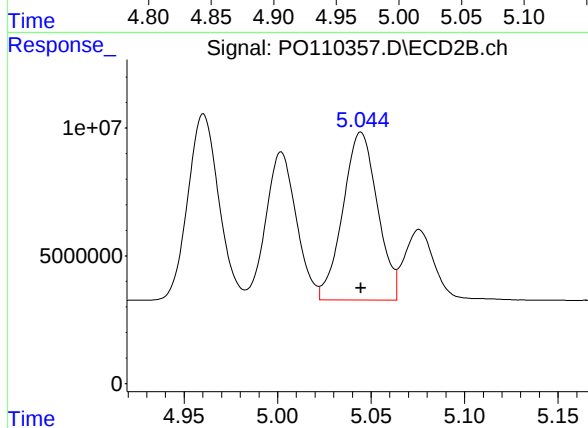
#18 AR-1242-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 83520623
Conc: 755.82 ng/ml



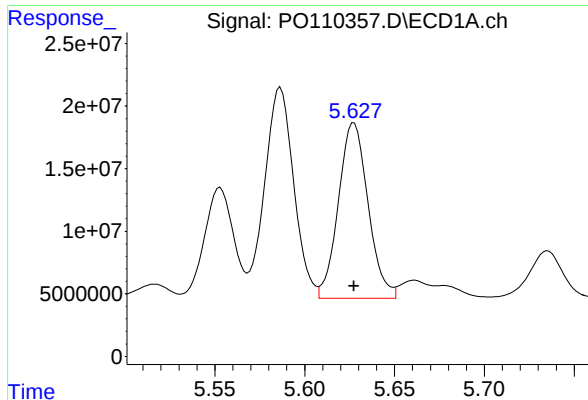
#19 AR-1242-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 154014183
Conc: 754.98 ng/ml



#19 AR-1242-4

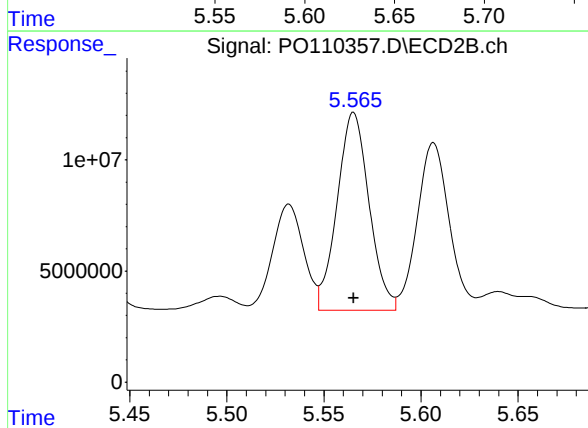
R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 84537972
Conc: 755.37 ng/ml



#20 AR-1242-5

R.T.: 5.627 min
Delta R.T.: 0.000 min
Response: 161092202
Conc: 752.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.565 min
Delta R.T.: 0.000 min
Response: 102118034
Conc: 754.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110358.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 12:21
 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: Apr 10 12:31:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 12:31:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	445.0E6	250.9E6	50.000	50.000
2) SA Decachlor...	8.732	8.683	392.2E6	93891957	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.779	4.765	140.4E6	74484875	500.000	500.000
17) L4 AR-1242-2	4.798	4.783	193.9E6	107.2E6	500.000	500.000
18) L4 AR-1242-3	4.855	4.959	137.9E6	57946521	500.000	500.000
19) L4 AR-1242-4	4.975	5.044	107.1E6	59411329	500.000	500.000
20) L4 AR-1242-5	5.628	5.564	112.9E6	71202904	500.000	500.000

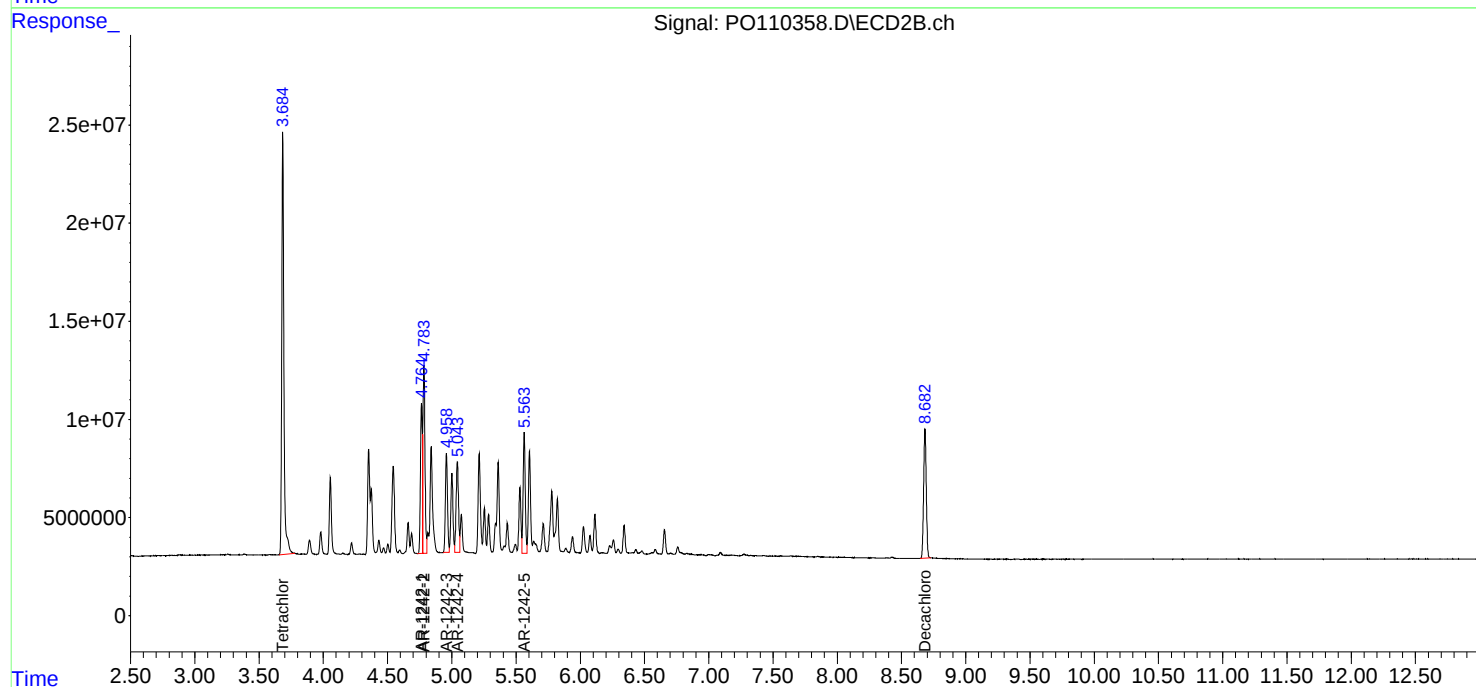
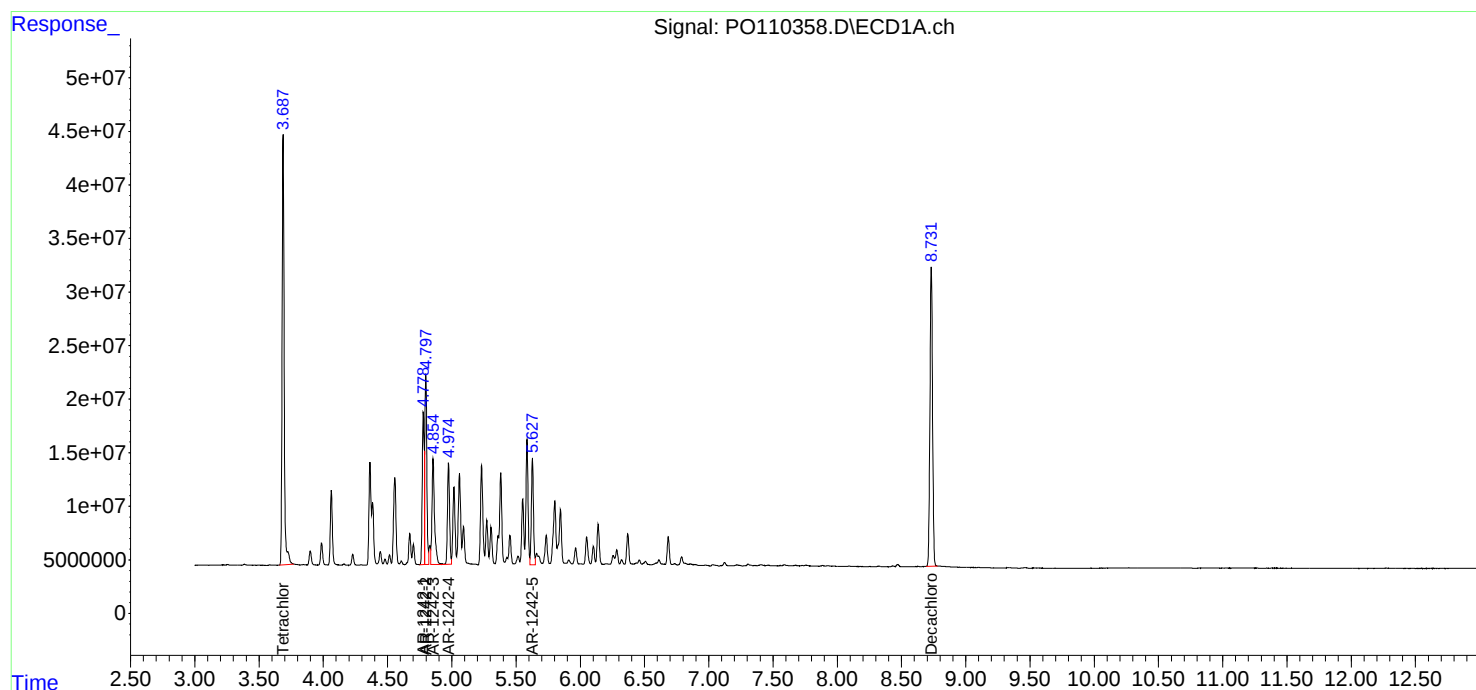
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

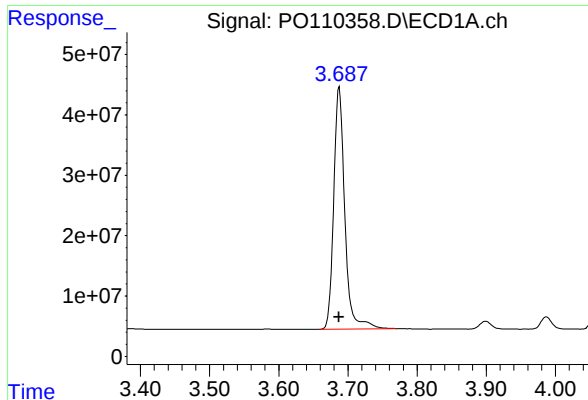
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 12:21
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 12:31:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 12:31:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

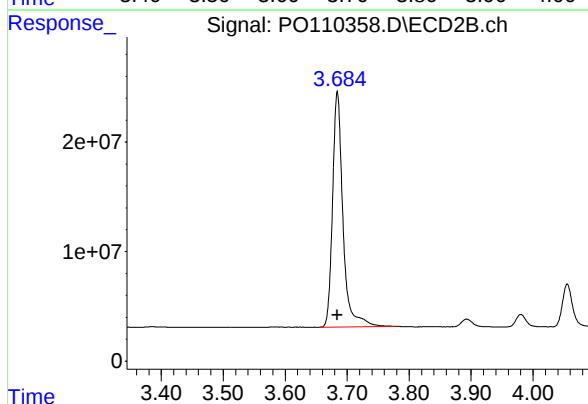




#1 Tetrachloro-m-xylene

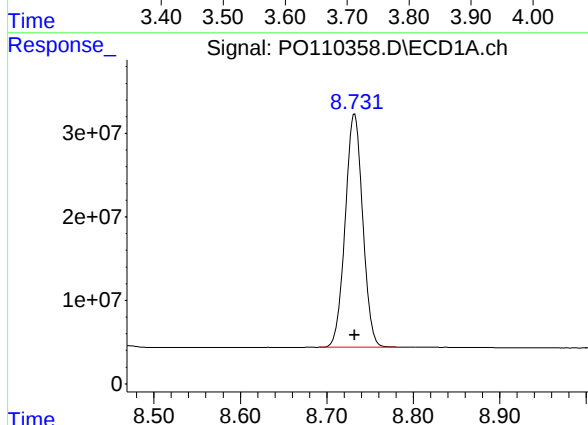
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 444994526
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



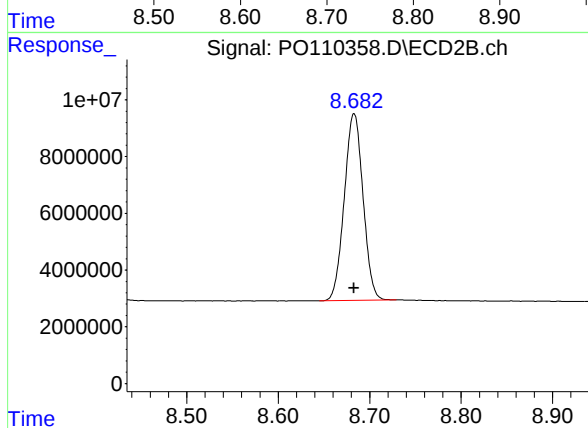
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 250927877
Conc: 50.00 ng/ml



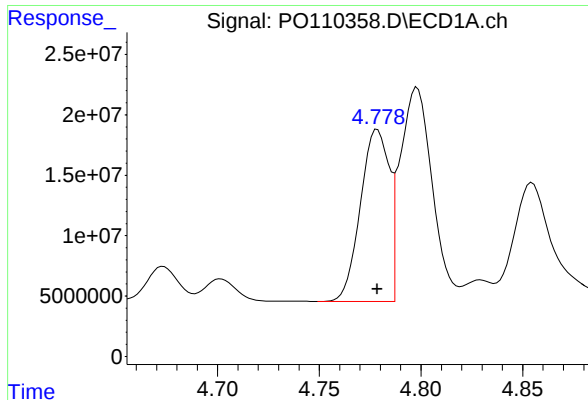
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 392237800
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

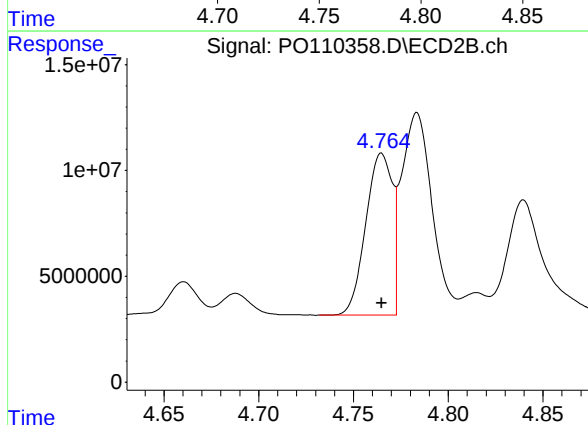
R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 93891957
Conc: 50.00 ng/ml



#16 AR-1242-1

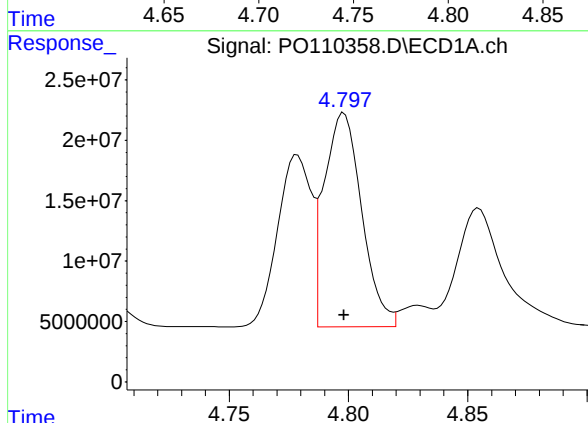
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 140398326
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



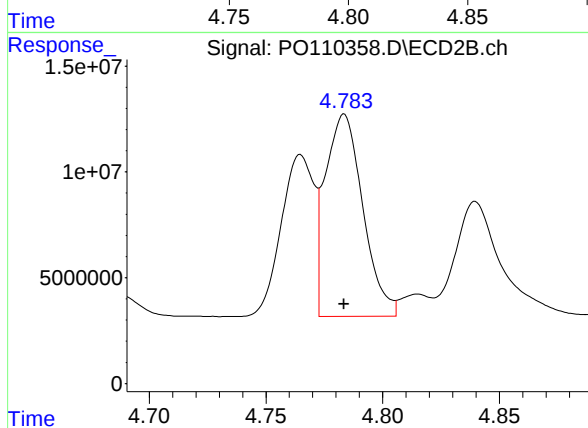
#16 AR-1242-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 74484875
Conc: 500.00 ng/ml



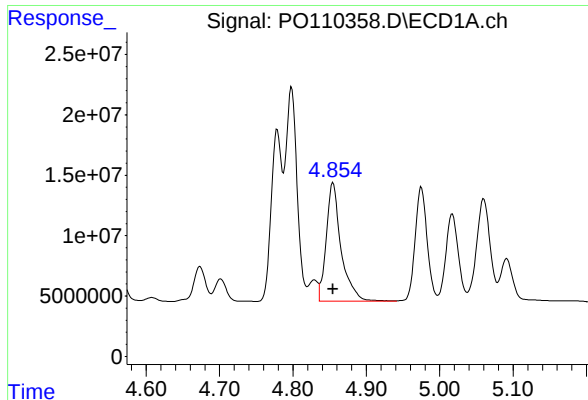
#17 AR-1242-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 193906918
Conc: 500.00 ng/ml



#17 AR-1242-2

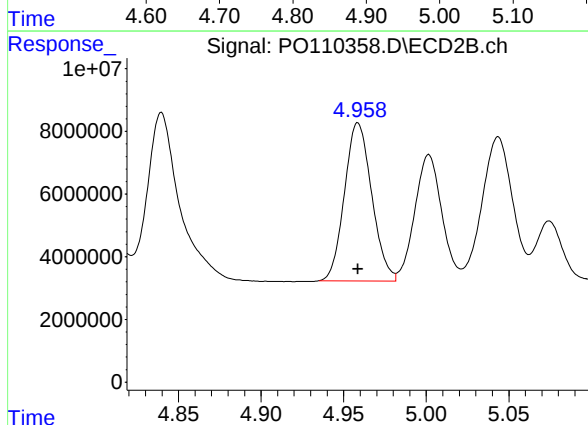
R.T.: 4.783 min
Delta R.T.: 0.000 min
Response: 107218849
Conc: 500.00 ng/ml



#18 AR-1242-3

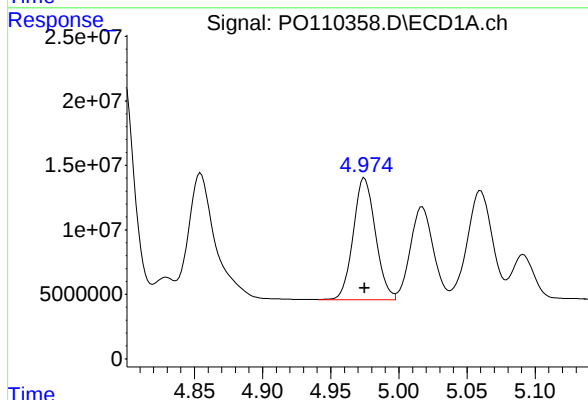
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 137936830
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



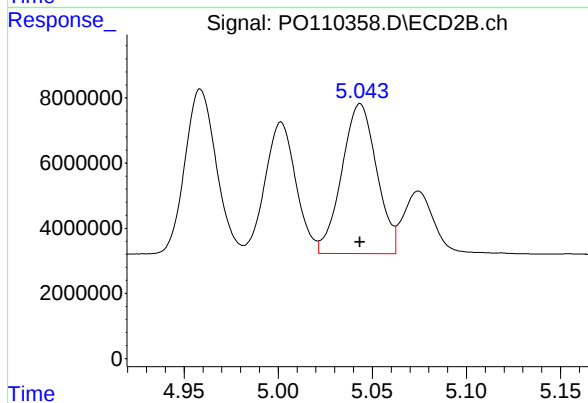
#18 AR-1242-3

R.T.: 4.959 min
Delta R.T.: 0.000 min
Response: 57946521
Conc: 500.00 ng/ml



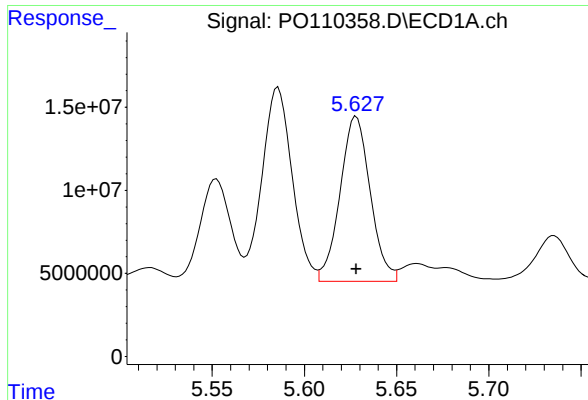
#19 AR-1242-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 107068171
Conc: 500.00 ng/ml



#19 AR-1242-4

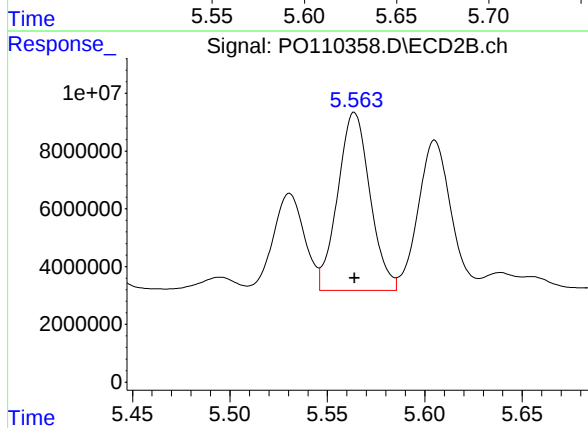
R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 59411329
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 5.628 min
Delta R.T.: 0.000 min
Response: 112880165
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.564 min
Delta R.T.: 0.000 min
Response: 71202904
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110359.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 12:39
 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: Apr 10 12:51:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 12:51:44 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...	3.688	3.685	224.9E6	127.8E6	25.741	25.901
2) SA Decachlor...	8.732	8.684	204.7E6	50443721	26.551	27.716
Target Compounds						
16) L4 AR-1242-1	4.779	4.766	74380905	39467591	271.708	269.813
17) L4 AR-1242-2	4.799	4.785	100.8E6	56229093	263.544	266.549
18) L4 AR-1242-3	4.855	4.960	73089348	30705869	265.380	270.338
19) L4 AR-1242-4	4.975	5.045	56349611	32190259	269.168	277.198
20) L4 AR-1242-5	5.627	5.565	59802630	38560049	271.435	275.255

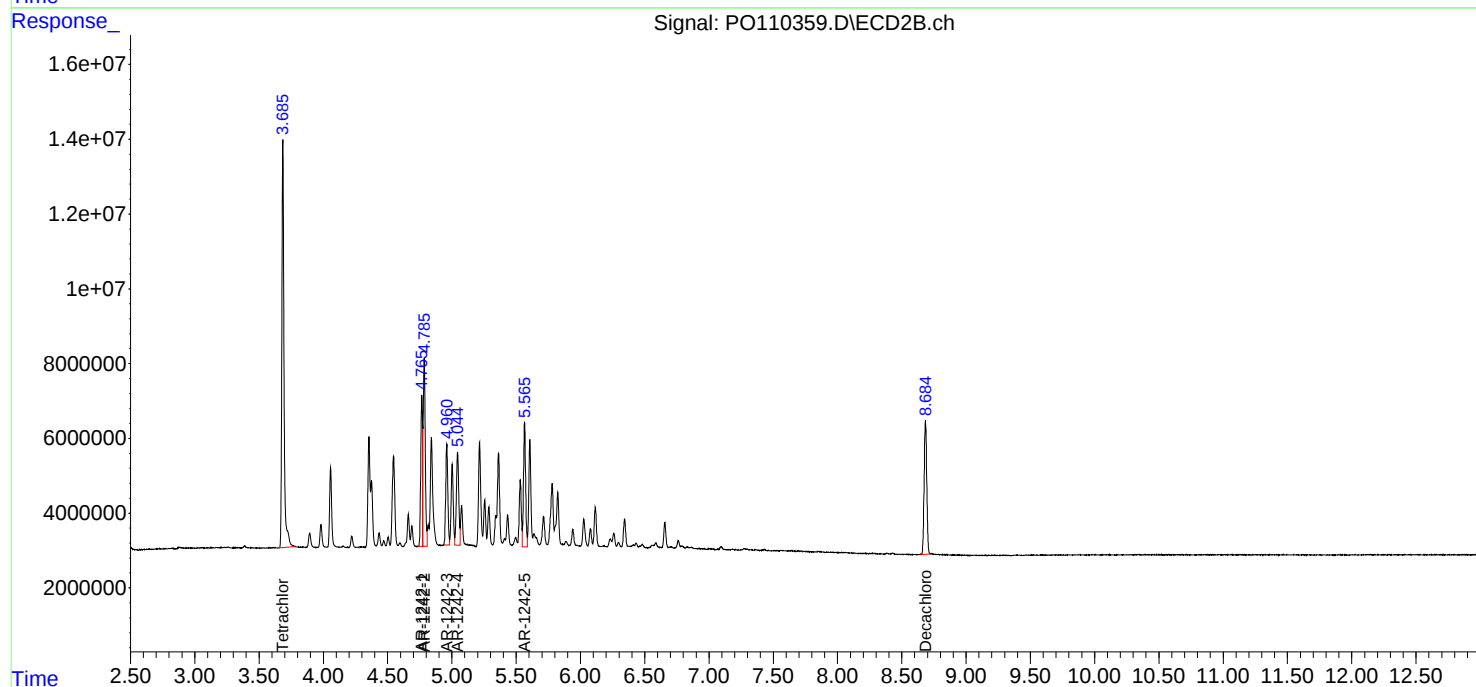
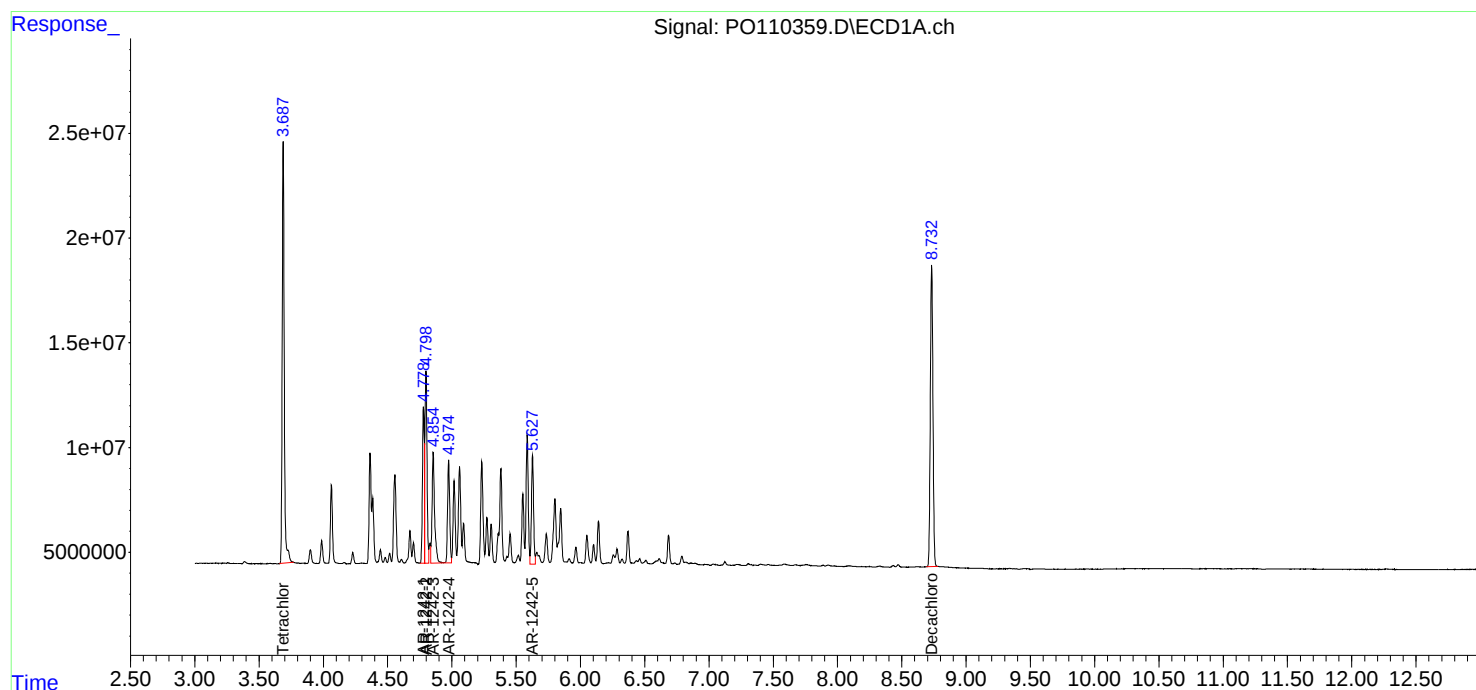
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

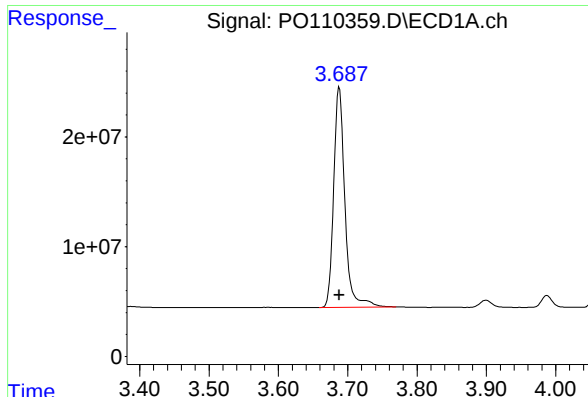
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 12:39
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 12:51:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 12:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

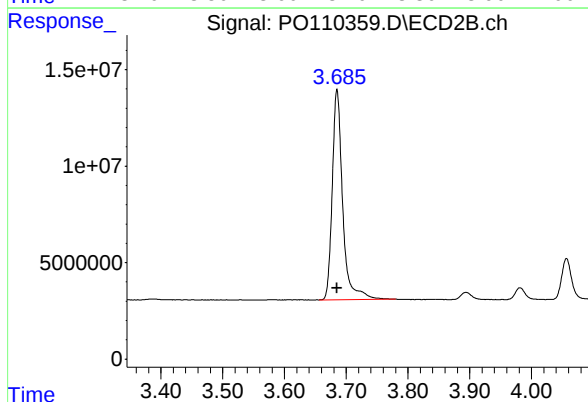




#1 Tetrachloro-m-xylene

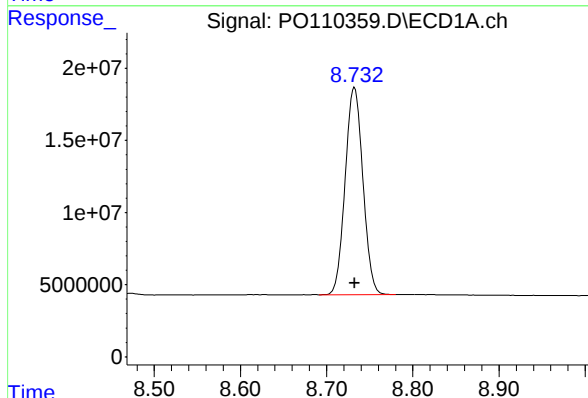
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 224861129
Conc: 25.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



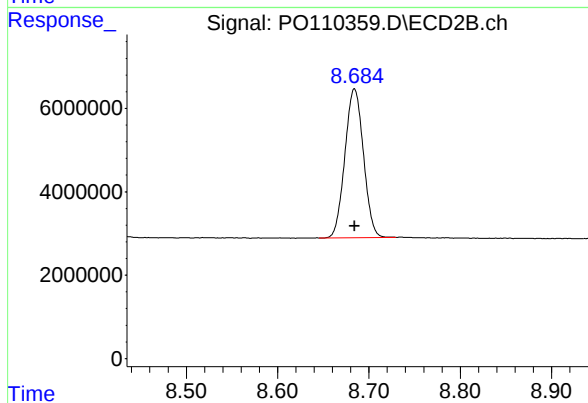
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 127817855
Conc: 25.90 ng/ml



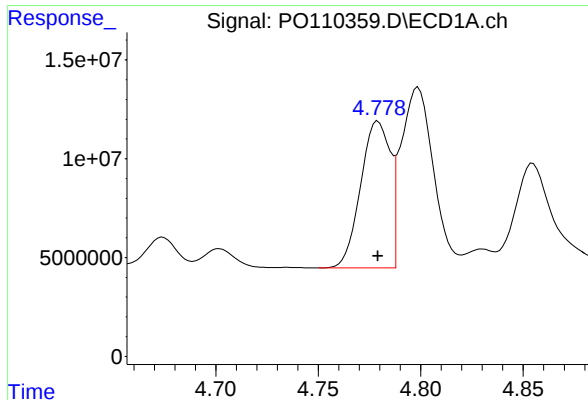
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 204715334
Conc: 26.55 ng/ml



#2 Decachlorobiphenyl

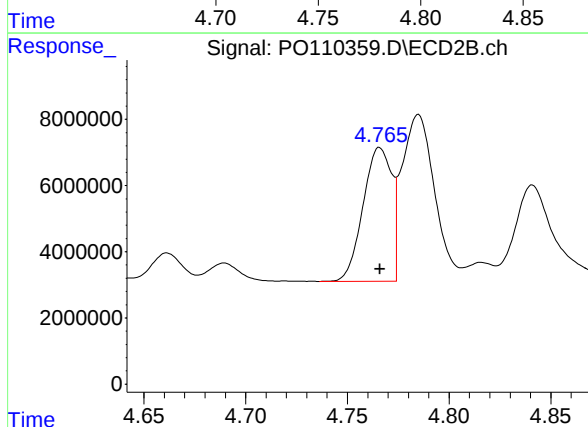
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 50443721
Conc: 27.72 ng/ml



#16 AR-1242-1

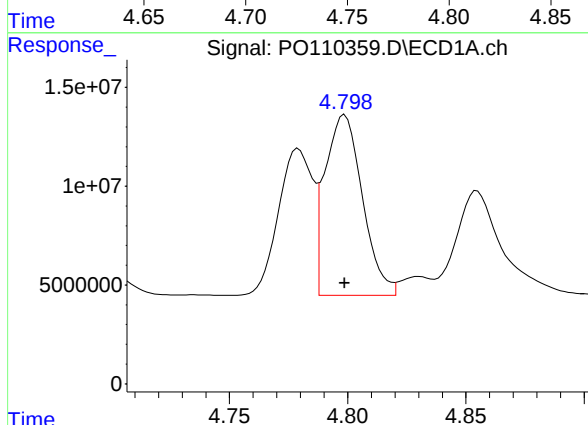
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 74380905
Conc: 271.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



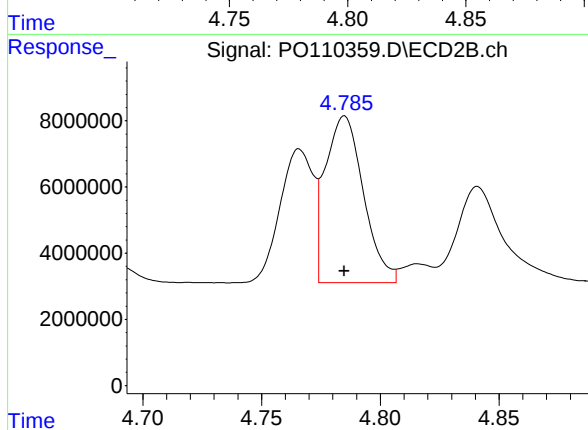
#16 AR-1242-1

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 39467591
Conc: 269.81 ng/ml



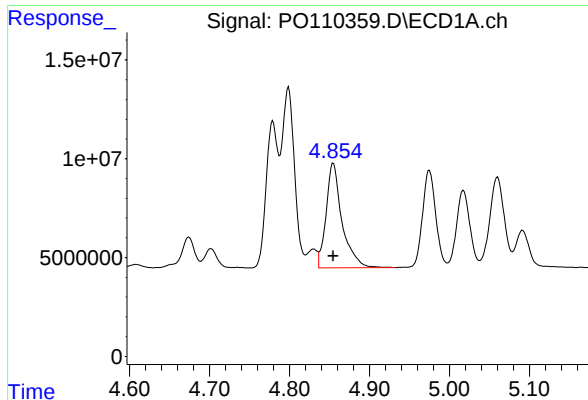
#17 AR-1242-2

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 100791009
Conc: 263.54 ng/ml



#17 AR-1242-2

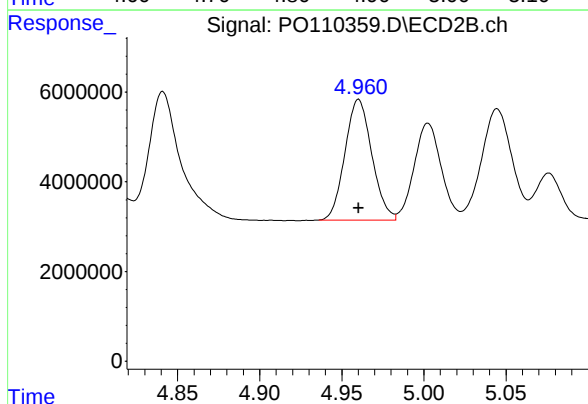
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 56229093
Conc: 266.55 ng/ml



#18 AR-1242-3

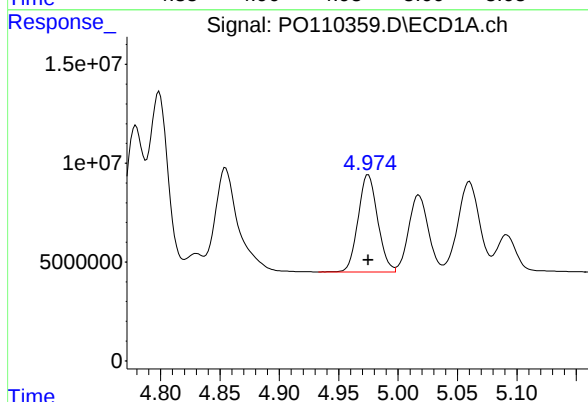
R.T.: 4.855 min
Delta R.T.: 0.000 min
Response: 73089348
Conc: 265.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



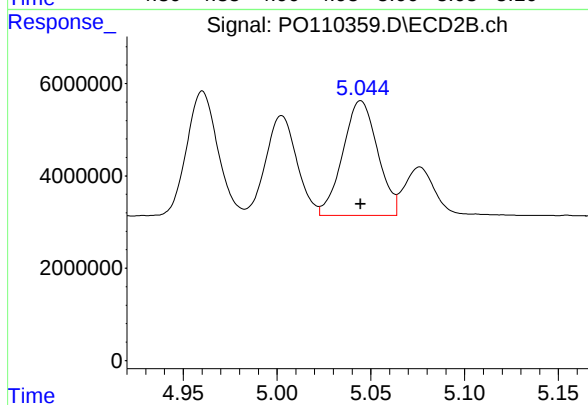
#18 AR-1242-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 30705869
Conc: 270.34 ng/ml



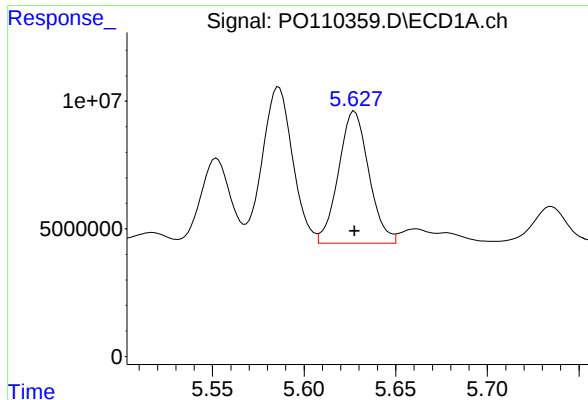
#19 AR-1242-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 56349611
Conc: 269.17 ng/ml



#19 AR-1242-4

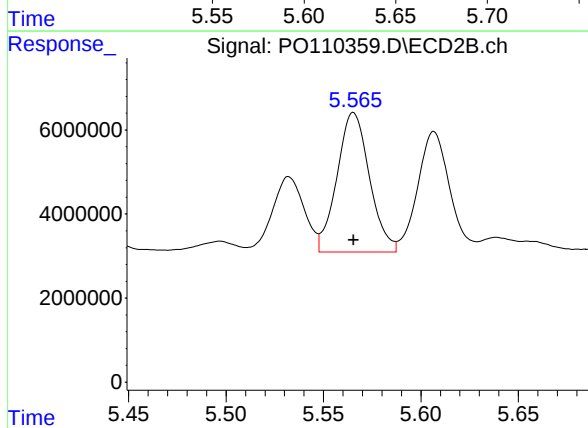
R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 32190259
Conc: 277.20 ng/ml



#20 AR-1242-5

R.T.: 5.627 min
Delta R.T.: 0.000 min
Response: 59802630
Conc: 271.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.565 min
Delta R.T.: 0.000 min
Response: 38560049
Conc: 275.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110360.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 12:58
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 13:08:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 13:07:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	40144674	23927704	4.671	4.878
2) SA Decachlor...	8.732	8.683	41703697	10219031	5.322	5.480
Target Compounds						
16) L4 AR-1242-1	4.779	4.765	14632790	8120107	52.724	54.314
17) L4 AR-1242-2	4.798	4.784	19954532	11150308	51.726	52.260
18) L4 AR-1242-3	4.854	4.959	14467594	6178953	52.004	53.459
19) L4 AR-1242-4	4.975	5.044	10972399	6799320	51.912	56.614
20) L4 AR-1242-5	5.628	5.564	12534403	8256494	55.366	56.903

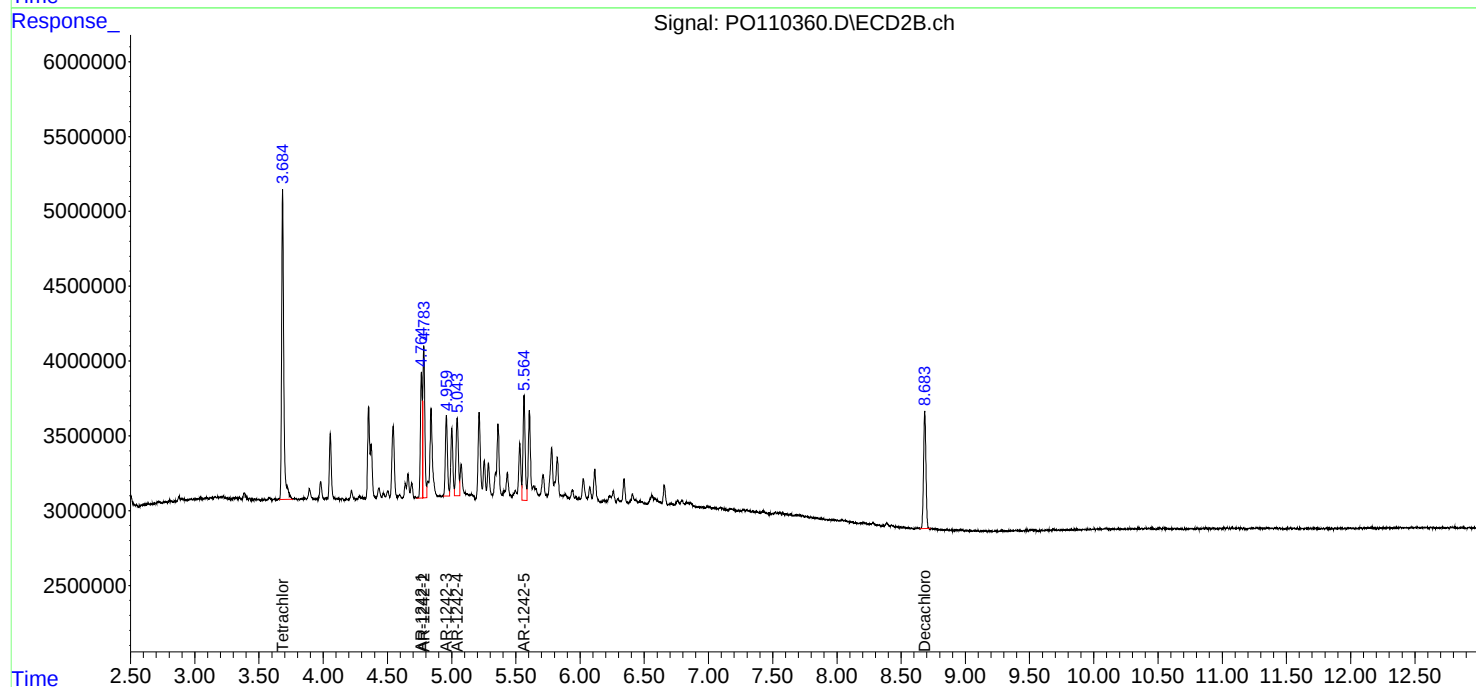
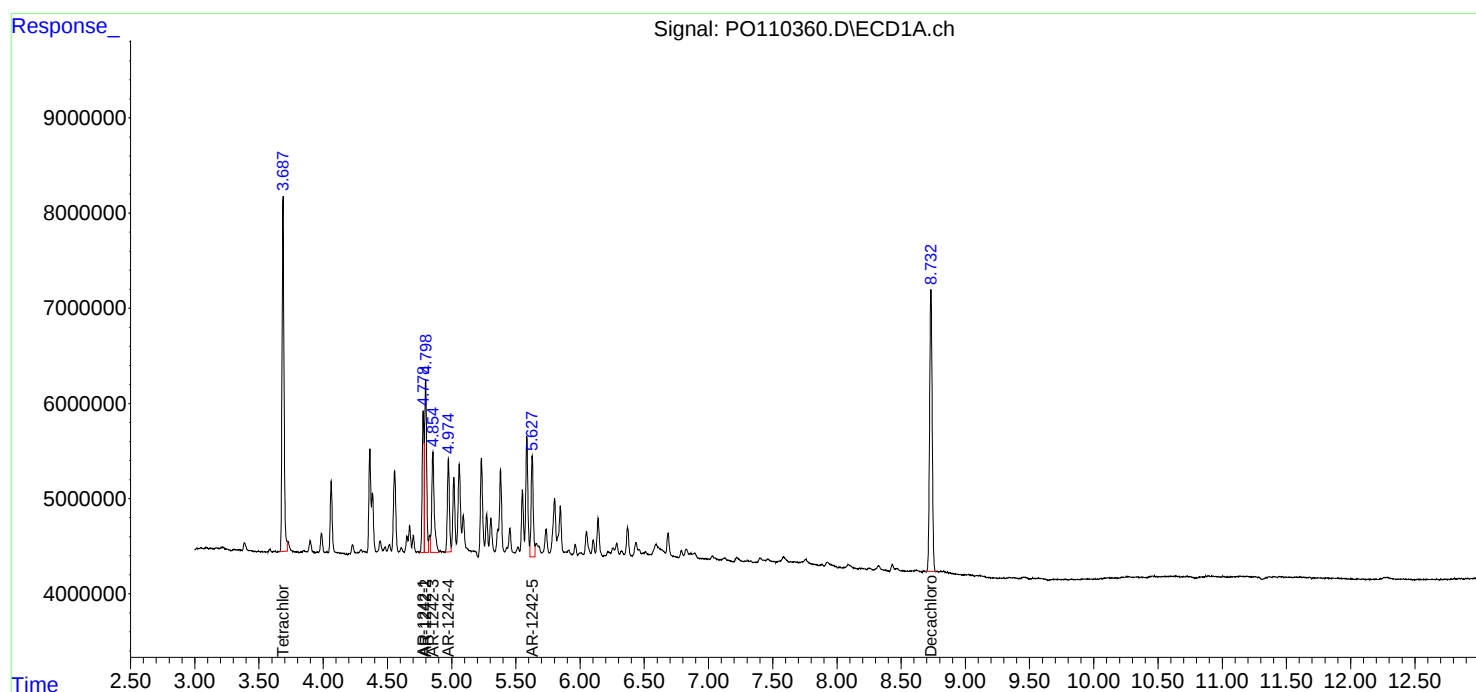
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

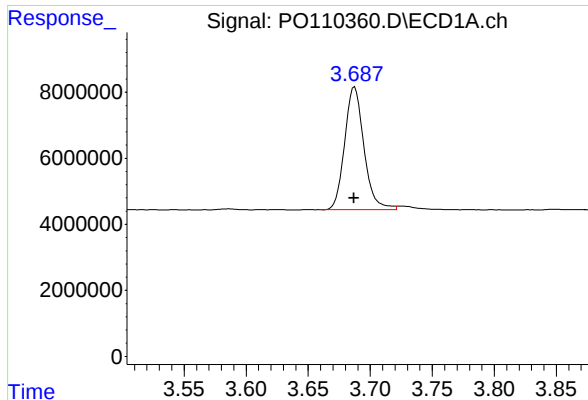
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
Data File : P0110360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 12:58
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 13:08:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 13:07:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

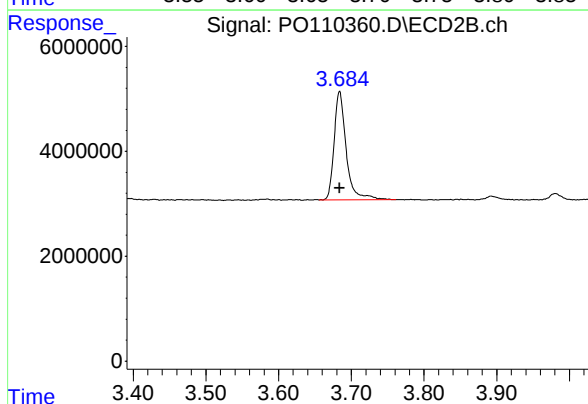




#1 Tetrachloro-m-xylene

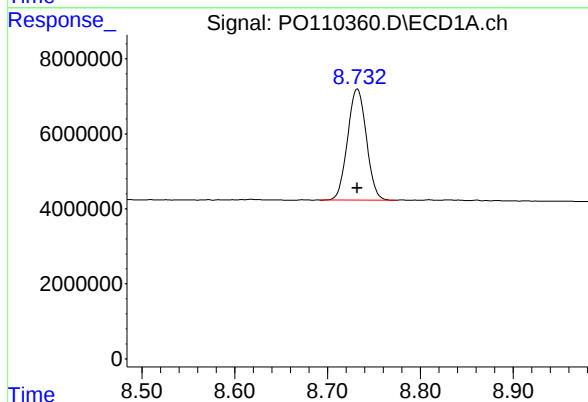
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 40144674
Conc: 4.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



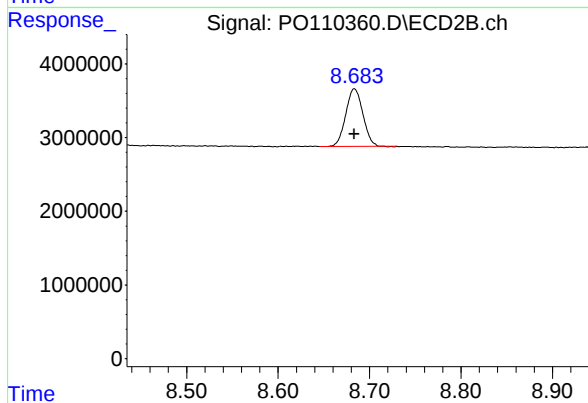
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 23927704
Conc: 4.88 ng/ml



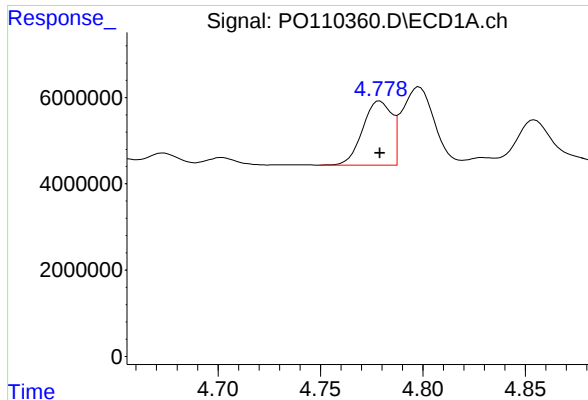
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 41703697
Conc: 5.32 ng/ml



#2 Decachlorobiphenyl

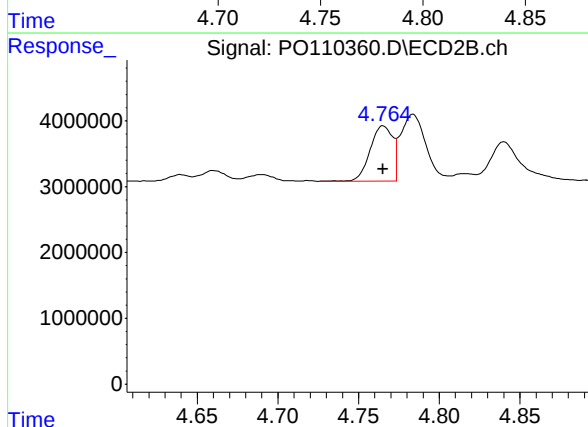
R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 10219031
Conc: 5.48 ng/ml



#16 AR-1242-1

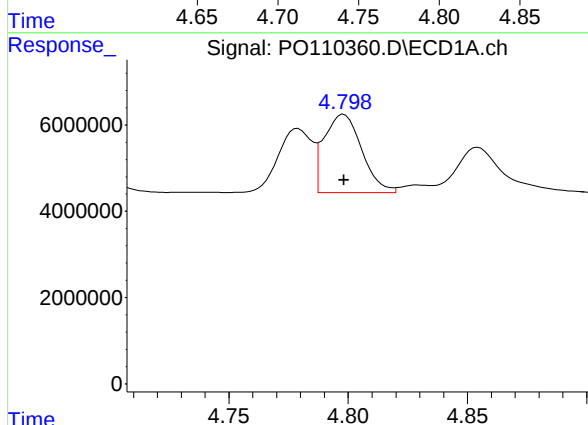
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 14632790
Conc: 52.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



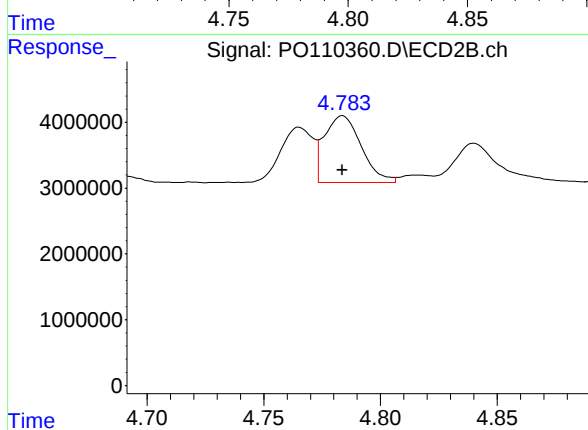
#16 AR-1242-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 8120107
Conc: 54.31 ng/ml



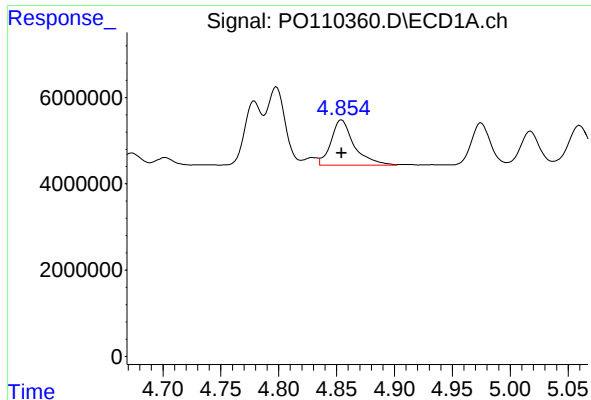
#17 AR-1242-2

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 19954532
Conc: 51.73 ng/ml



#17 AR-1242-2

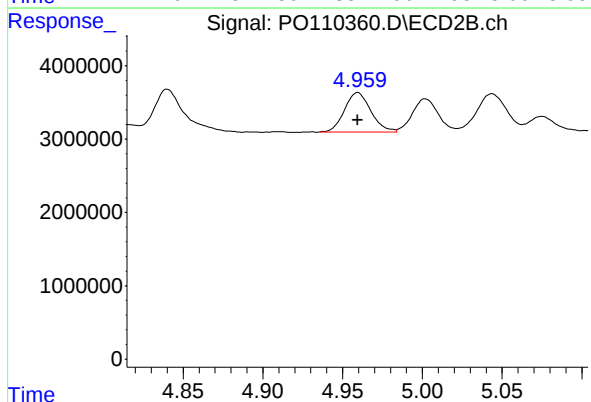
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 11150308
Conc: 52.26 ng/ml



#18 AR-1242-3

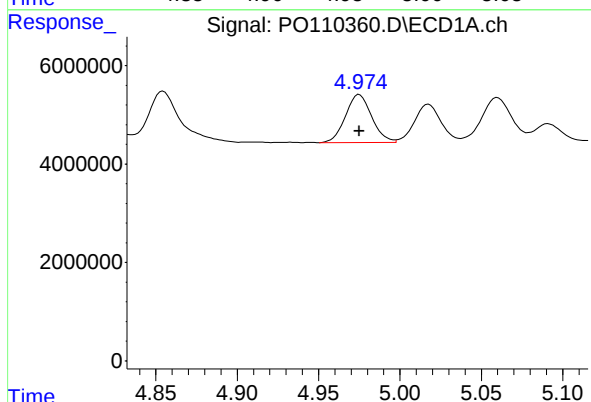
R.T.: 4.854 min
Delta R.T.: 0.000 min
Response: 14467594
Conc: 52.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



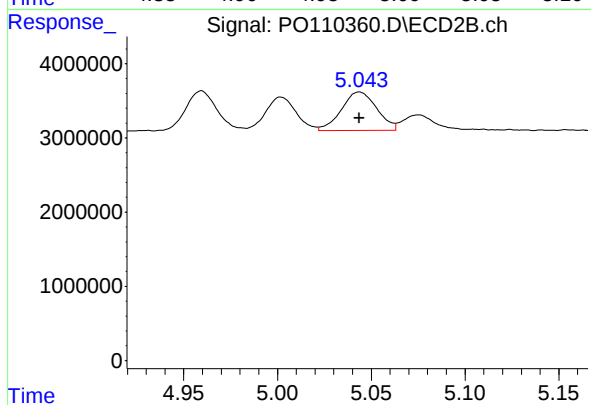
#18 AR-1242-3

R.T.: 4.959 min
Delta R.T.: 0.000 min
Response: 6178953
Conc: 53.46 ng/ml



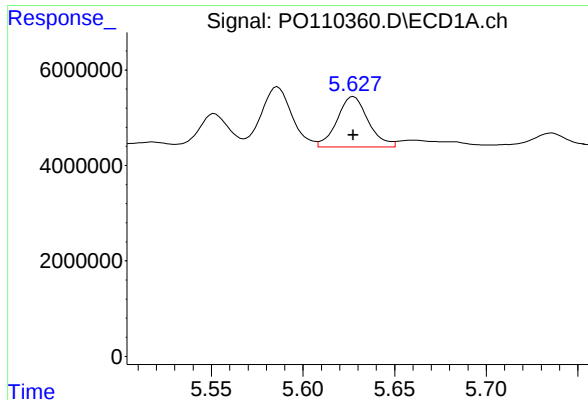
#19 AR-1242-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 10972399
Conc: 51.91 ng/ml



#19 AR-1242-4

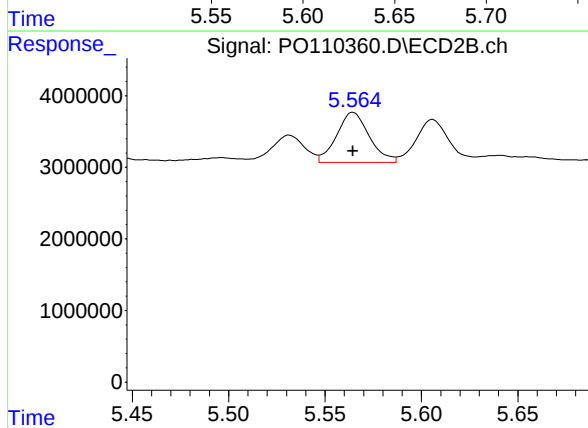
R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 6799320
Conc: 56.61 ng/ml



#20 AR-1242-5

R.T.: 5.628 min
Delta R.T.: 0.000 min
Response: 12534403
Conc: 55.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.564 min
Delta R.T.: 0.000 min
Response: 8256494
Conc: 56.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110361.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 13:16
 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: Apr 10 14:06:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 14:03:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.685	857.2E6	482.8E6	97.792	97.864
2) SA Decachlor...	8.731	8.684	742.3E6	170.8E6	96.063	94.678
Target Compounds						
21) L5 AR-1248-1	4.779	4.765	197.4E6	105.8E6	950.625	949.399
22) L5 AR-1248-2	5.017	5.001	269.7E6	147.0E6	946.388	943.970
23) L5 AR-1248-3	5.233	5.043	336.7E6	157.5E6	949.716	945.079
24) L5 AR-1248-4	5.586	5.214	480.1E6	185.6E6	956.437	952.264
25) L5 AR-1248-5	5.627	5.606	340.6E6	181.9E6	955.211	957.967

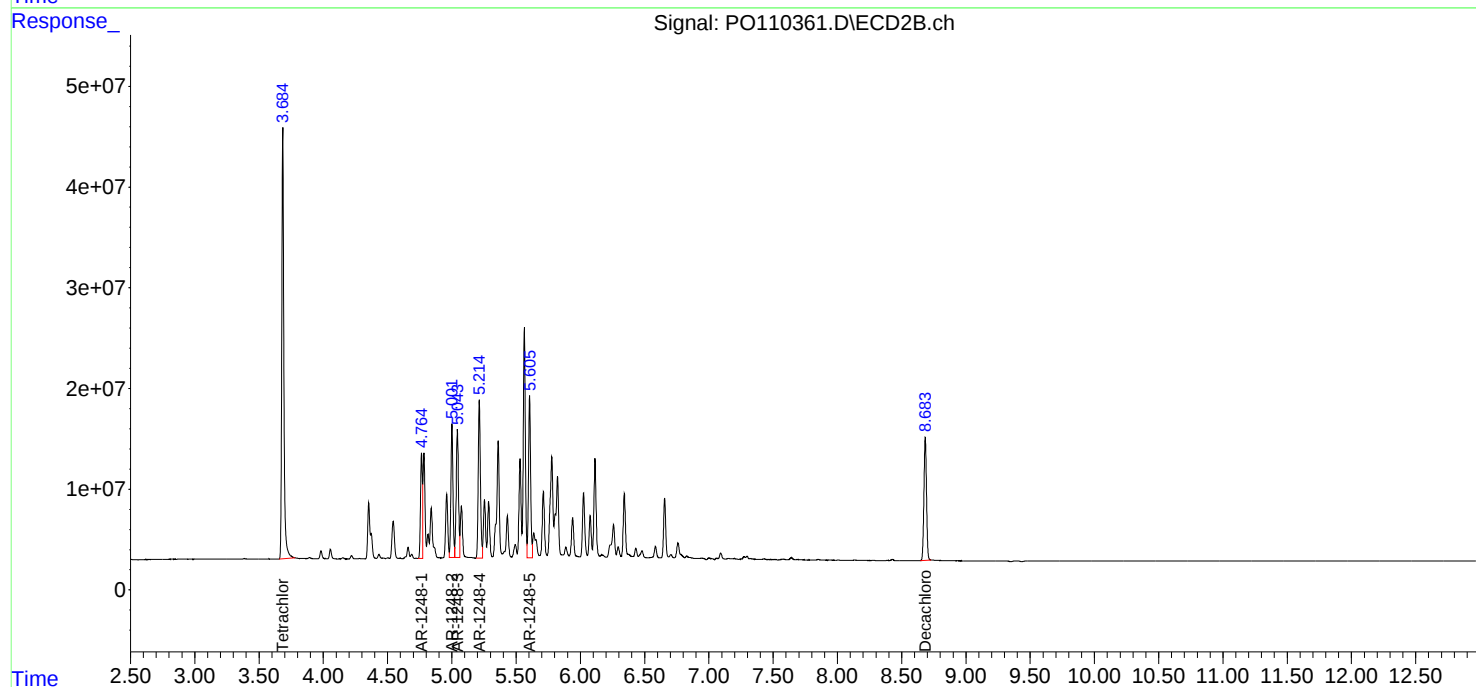
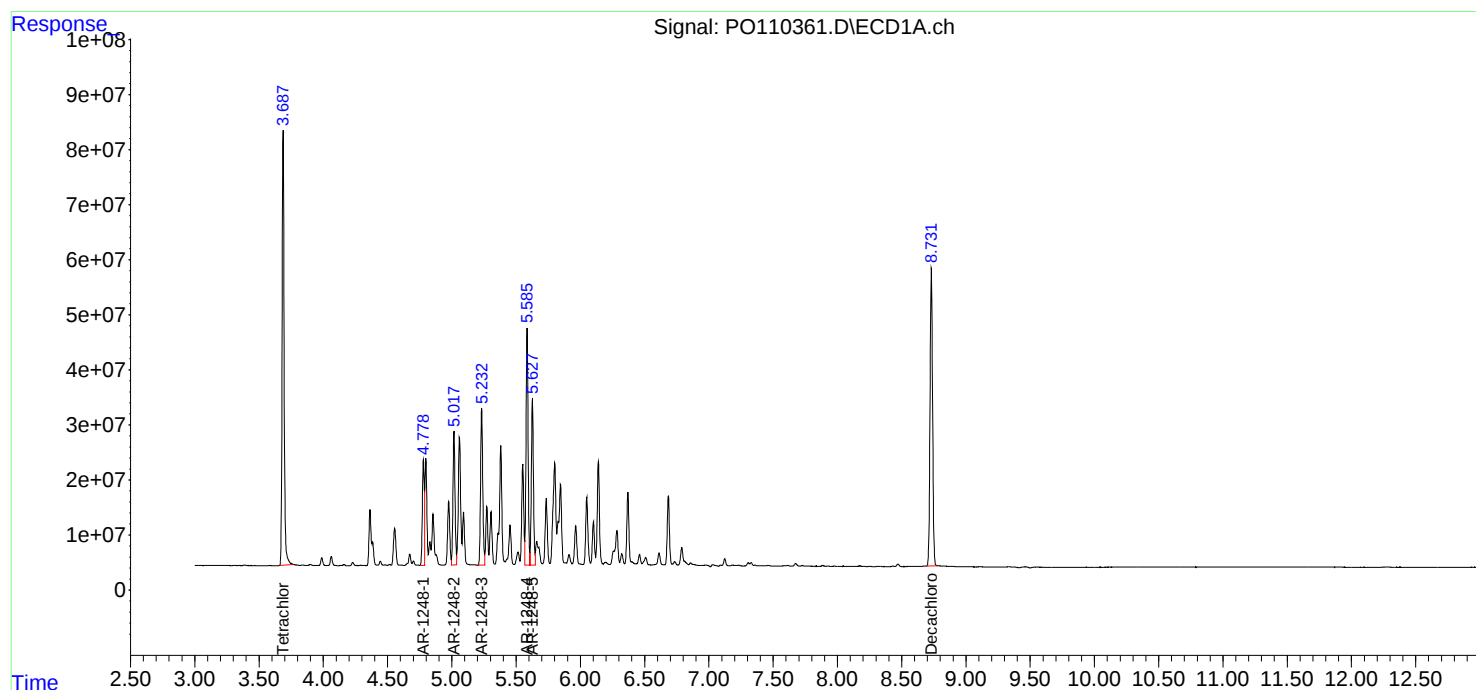
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

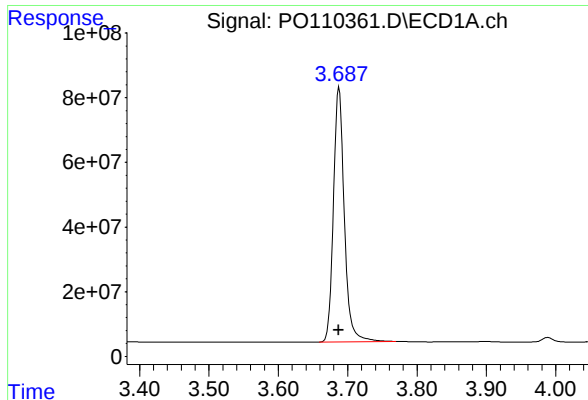
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 13:16
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 14:06:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 14:03:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

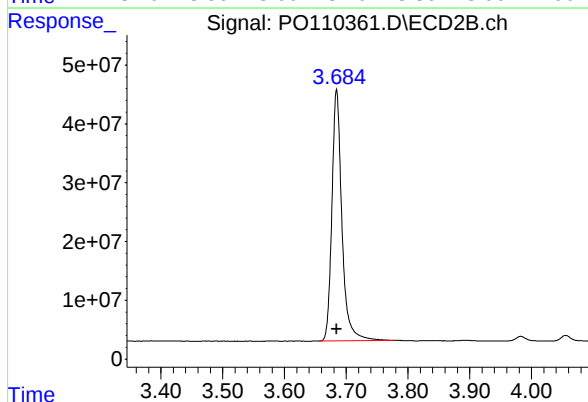




#1 Tetrachloro-m-xylene

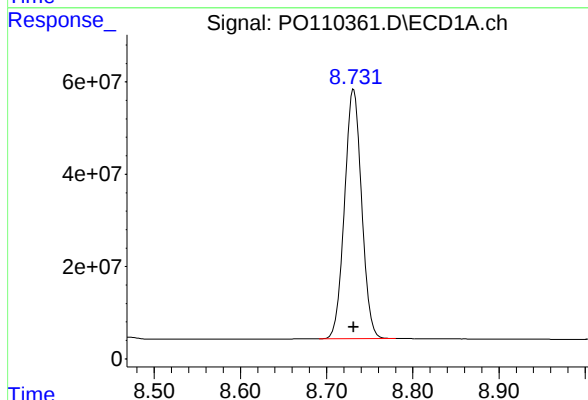
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 857217740
Conc: 97.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



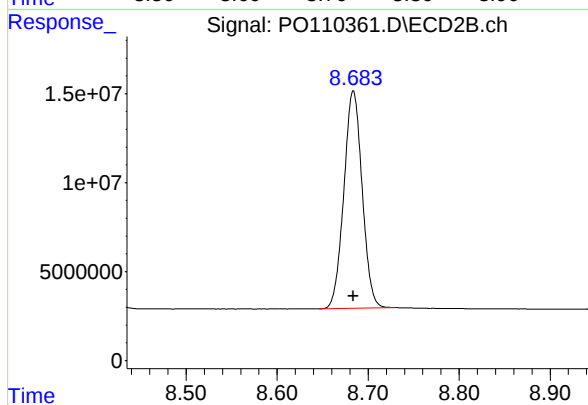
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 482790827
Conc: 97.86 ng/ml



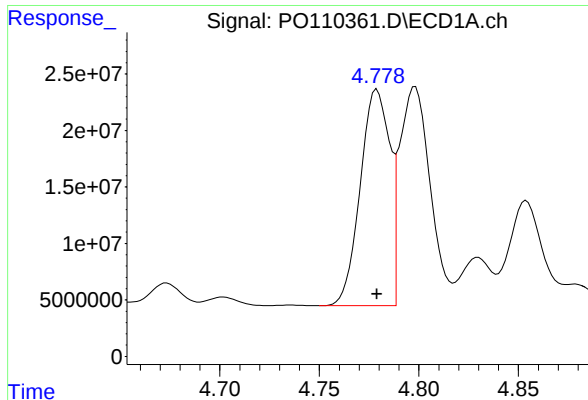
#2 Decachlorobiphenyl

R.T.: 8.731 min
Delta R.T.: 0.000 min
Response: 742336789
Conc: 96.06 ng/ml



#2 Decachlorobiphenyl

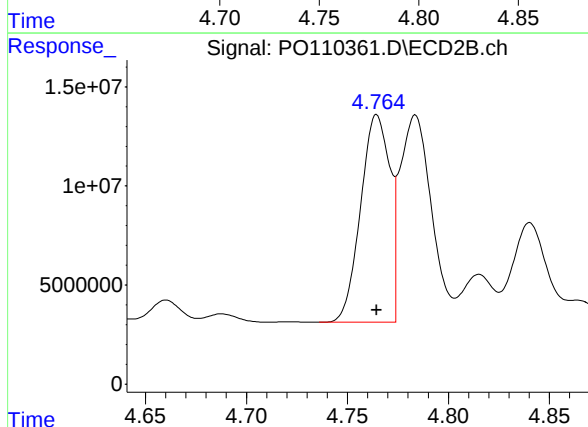
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 170828178
Conc: 94.68 ng/ml



#21 AR-1248-1

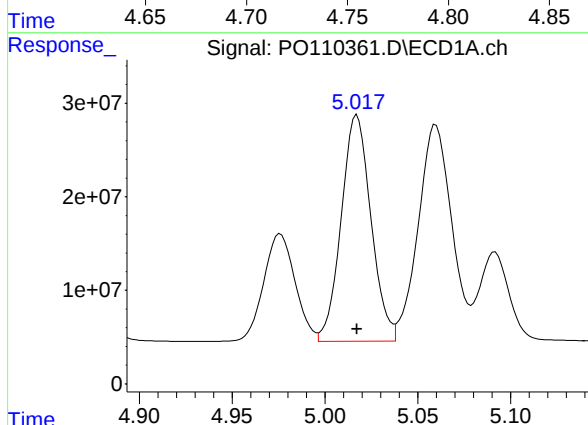
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 197377890
Conc: 950.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



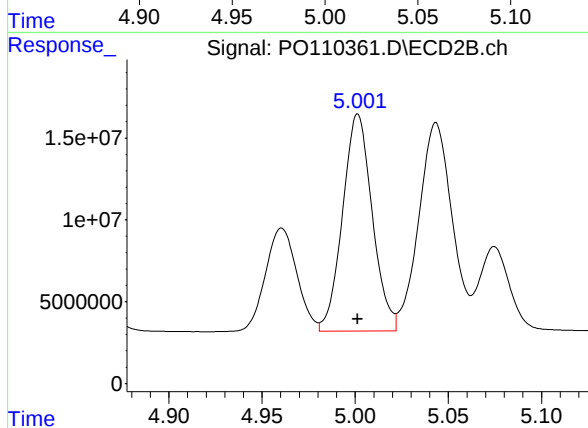
#21 AR-1248-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 105821161
Conc: 949.40 ng/ml



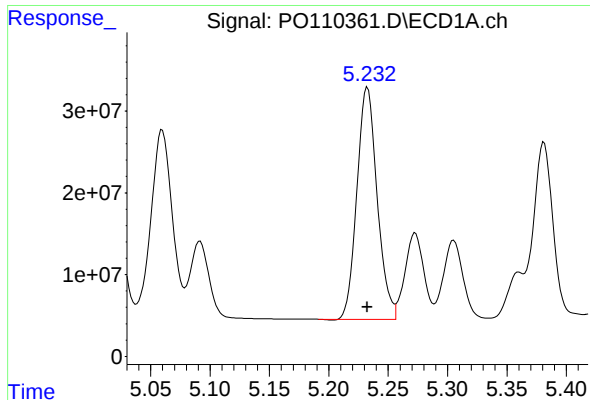
#22 AR-1248-2

R.T.: 5.017 min
Delta R.T.: 0.000 min
Response: 269669918
Conc: 946.39 ng/ml



#22 AR-1248-2

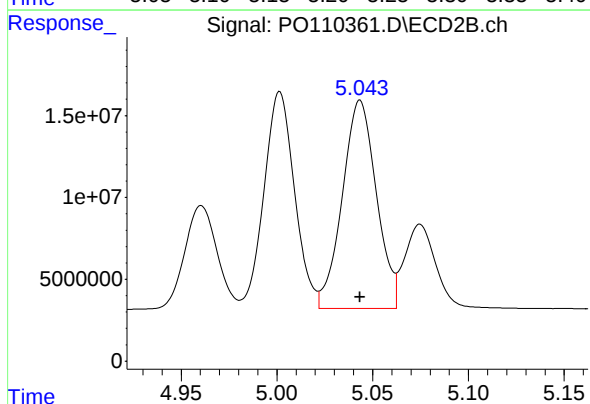
R.T.: 5.001 min
Delta R.T.: 0.000 min
Response: 147033899
Conc: 943.97 ng/ml



#23 AR-1248-3

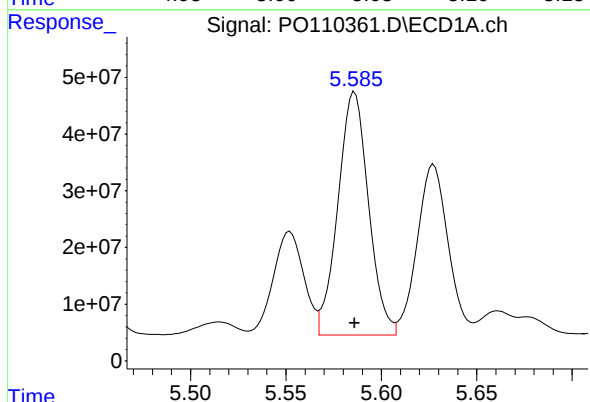
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 336662132
Conc: 949.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



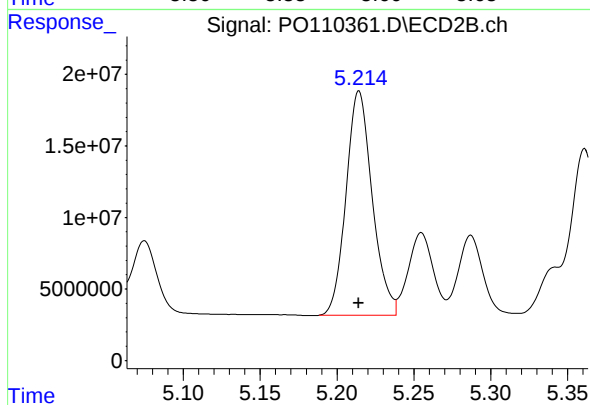
#23 AR-1248-3

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 157542784
Conc: 945.08 ng/ml



#24 AR-1248-4

R.T.: 5.586 min
Delta R.T.: 0.000 min
Response: 480139637
Conc: 956.44 ng/ml



#24 AR-1248-4

R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 185573916
Conc: 952.26 ng/ml

Response_

Signal: PO110361.D\ECD1A.ch

#25 AR-1248-5

R.T.: 5.627 min

Delta R.T.: 0.000 min

Response: 340550967

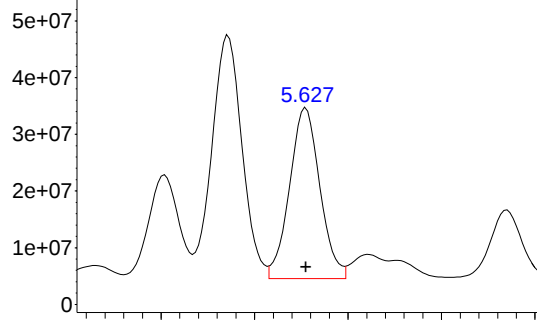
Conc: 955.21 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC1000



Time

Response_

Signal: PO110361.D\ECD2B.ch

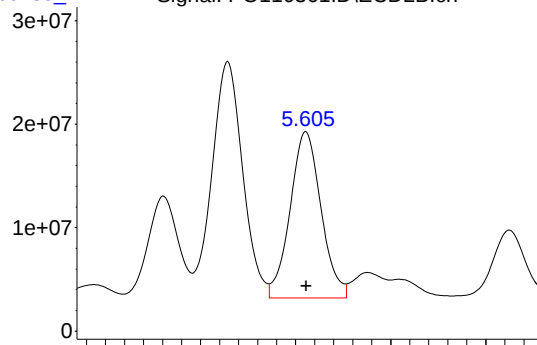
#25 AR-1248-5

R.T.: 5.606 min

Delta R.T.: 0.000 min

Response: 181941821

Conc: 957.97 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110362.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 13:35
 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: Apr 10 14:08:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 14:03:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	650.6E6	365.5E6	74.481	74.396
2) SA Decachlor...	8.733	8.685	575.0E6	131.4E6	74.605	73.547
Target Compounds						
21) L5 AR-1248-1	4.779	4.765	154.3E6	83273178	745.481	748.067
22) L5 AR-1248-2	5.017	5.002	210.8E6	115.1E6	743.133	742.489
23) L5 AR-1248-3	5.232	5.044	264.1E6	123.2E6	746.588	742.651
24) L5 AR-1248-4	5.586	5.215	372.9E6	144.5E6	745.252	744.242
25) L5 AR-1248-5	5.627	5.606	265.1E6	140.5E6	745.654	743.111

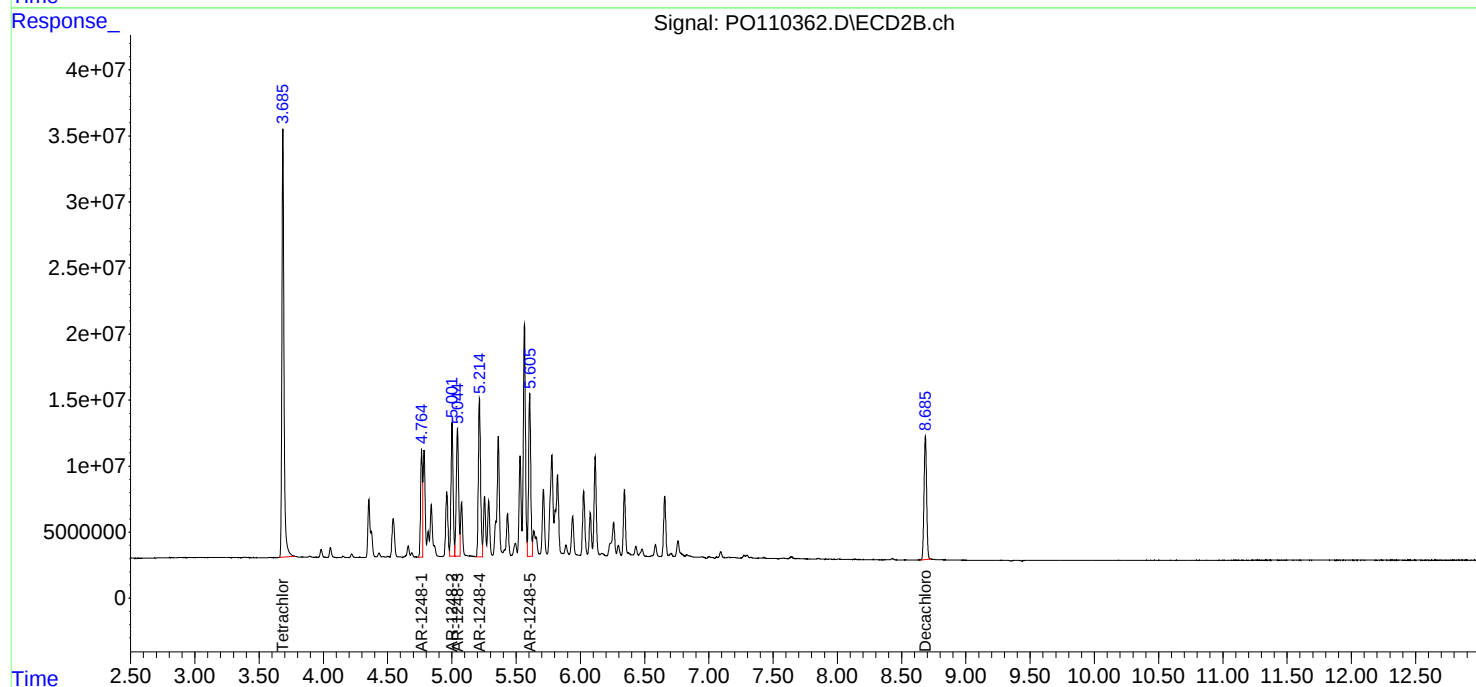
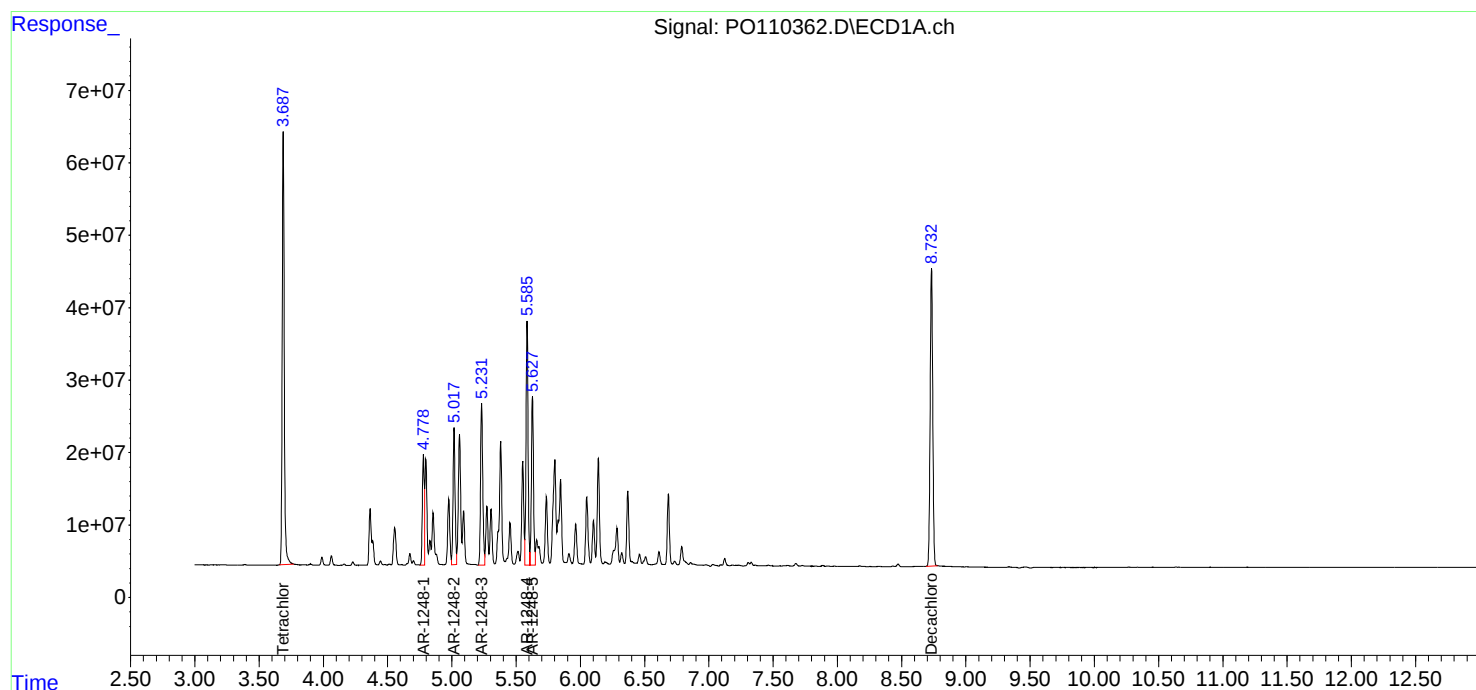
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

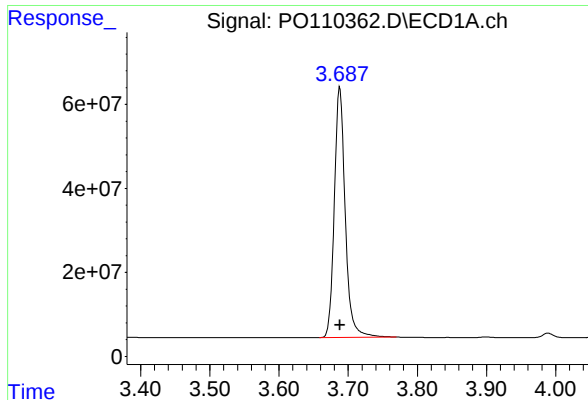
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 13:35
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 14:08:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 14:03:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

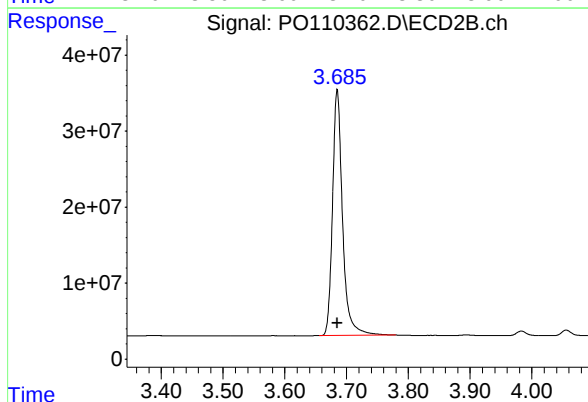




#1 Tetrachloro-m-xylene

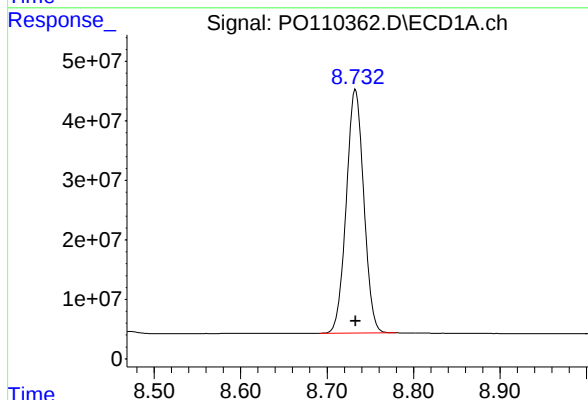
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 650631933
Conc: 74.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



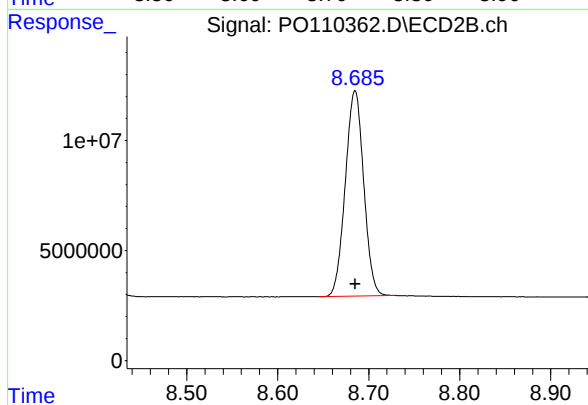
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 365548178
Conc: 74.40 ng/ml



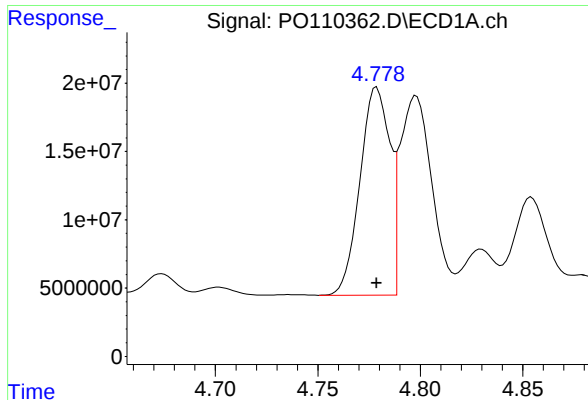
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 574998503
Conc: 74.60 ng/ml



#2 Decachlorobiphenyl

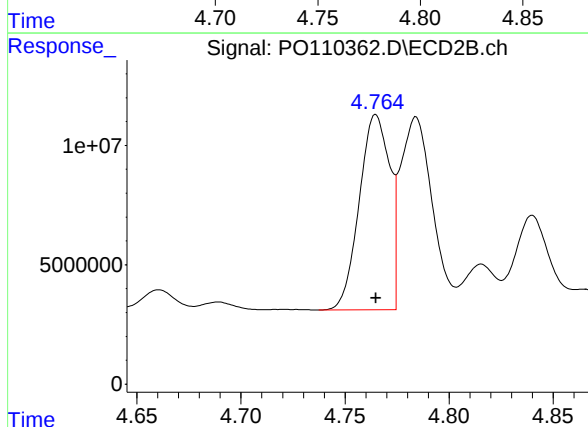
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 131428252
Conc: 73.55 ng/ml



#21 AR-1248-1

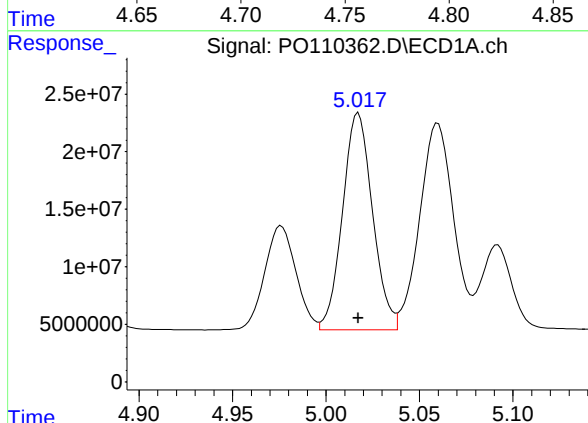
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 154318833
Conc: 745.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



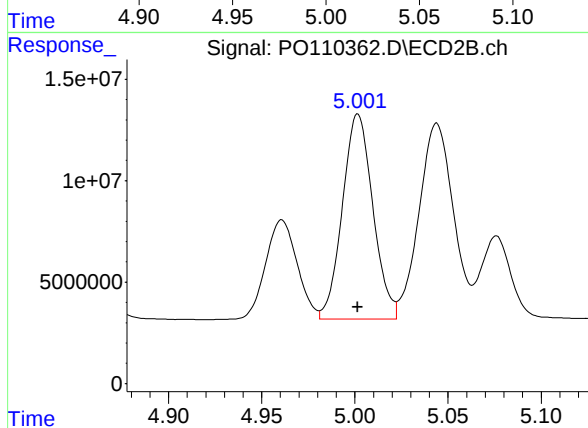
#21 AR-1248-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 83273178
Conc: 748.07 ng/ml



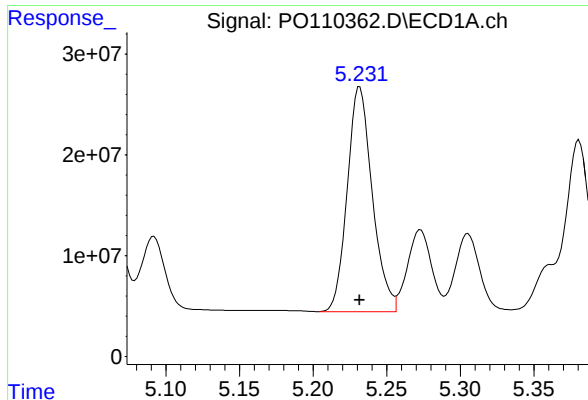
#22 AR-1248-2

R.T.: 5.017 min
Delta R.T.: 0.000 min
Response: 210788058
Conc: 743.13 ng/ml



#22 AR-1248-2

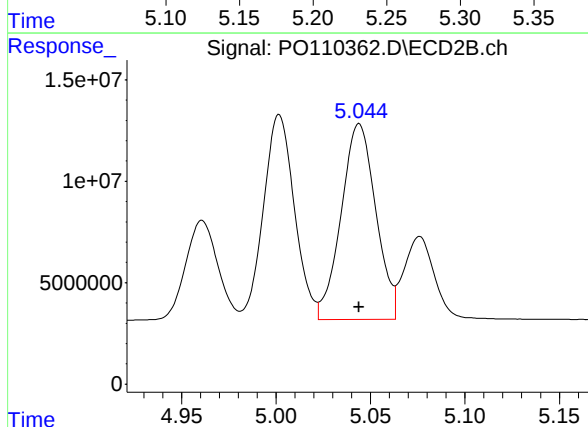
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 115074831
Conc: 742.49 ng/ml



#23 AR-1248-3

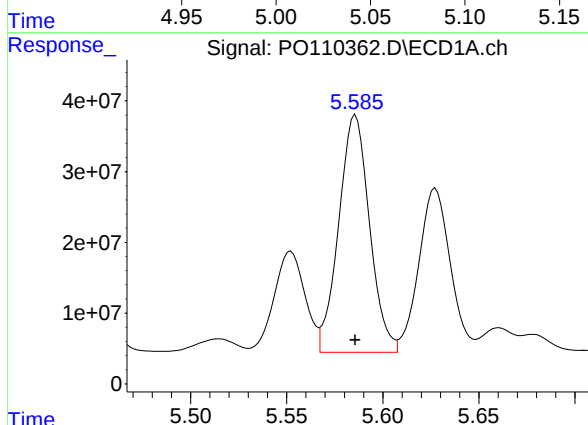
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 264055417
Conc: 746.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



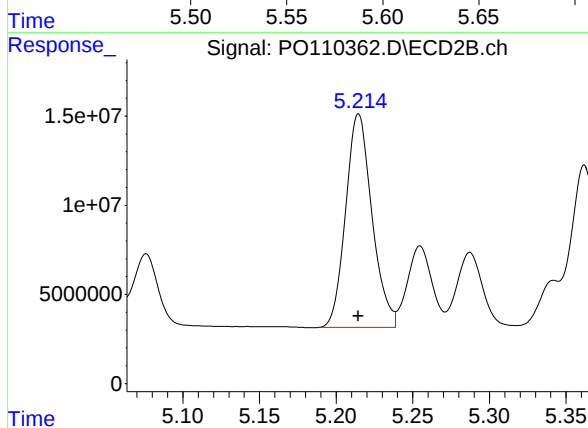
#23 AR-1248-3

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 123194788
Conc: 742.65 ng/ml



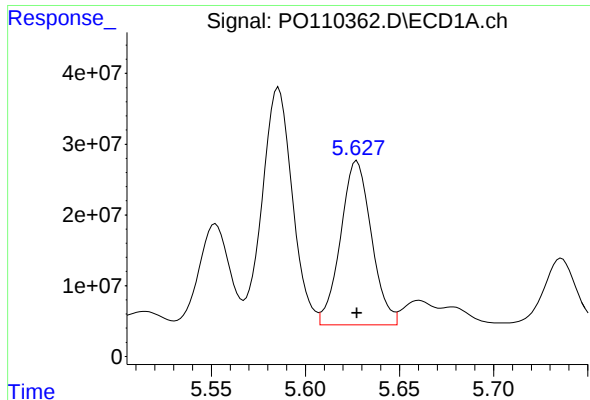
#24 AR-1248-4

R.T.: 5.586 min
Delta R.T.: 0.000 min
Response: 372942670
Conc: 745.25 ng/ml



#24 AR-1248-4

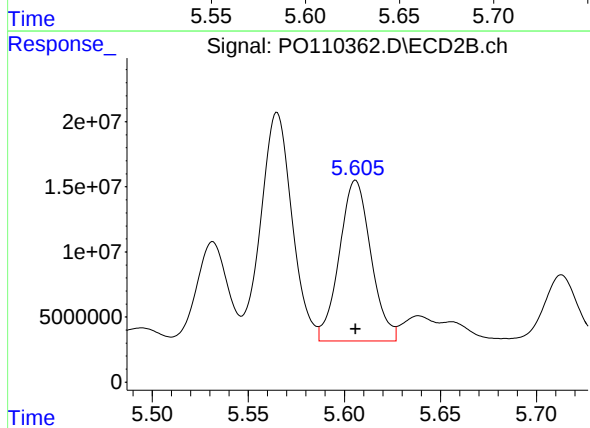
R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 144480618
Conc: 744.24 ng/ml



#25 AR-1248-5

R.T.: 5.627 min
Delta R.T.: 0.000 min
Response: 265071795
Conc: 745.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 140490252
Conc: 743.11 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110363.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 13:53
 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: Apr 10 14:03:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 14:03:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.685	448.0E6	251.9E6	50.000	50.000
2) SA Decachlor...	8.732	8.685	401.6E6	95016625	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.779	4.765	108.9E6	58550593	500.000	500.000
22) L5 AR-1248-2	5.017	5.002	150.1E6	82244273	500.000	500.000
23) L5 AR-1248-3	5.232	5.044	186.2E6	87926534	500.000	500.000
24) L5 AR-1248-4	5.586	5.215	261.9E6	102.1E6	500.000	500.000
25) L5 AR-1248-5	5.628	5.606	186.2E6	98954091	500.000	500.000

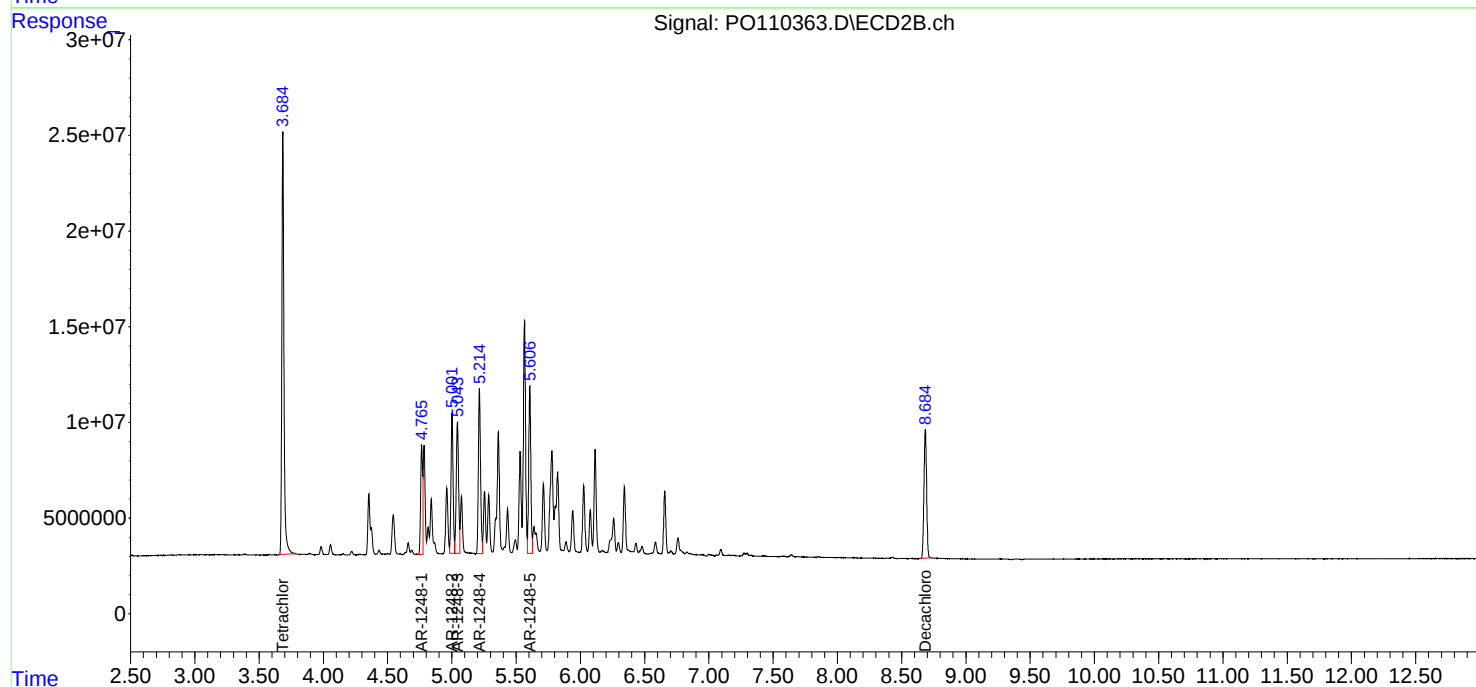
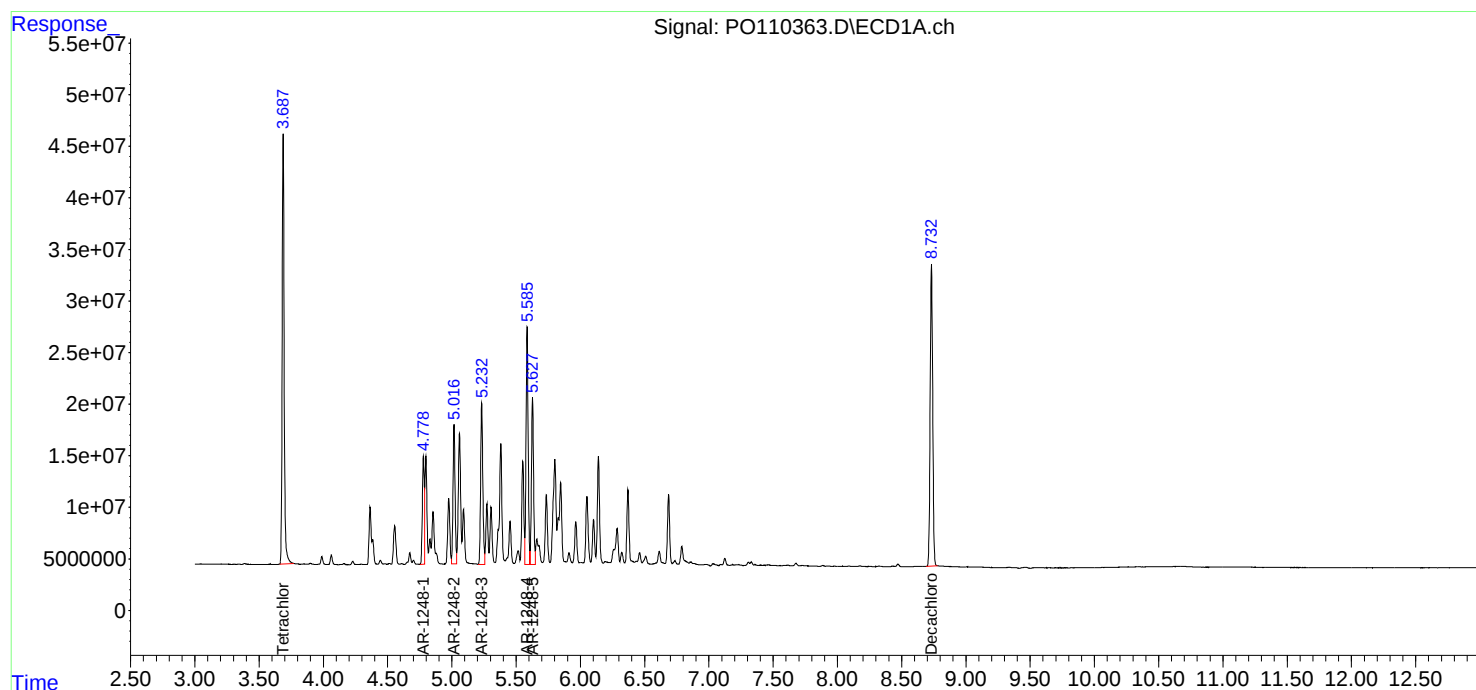
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

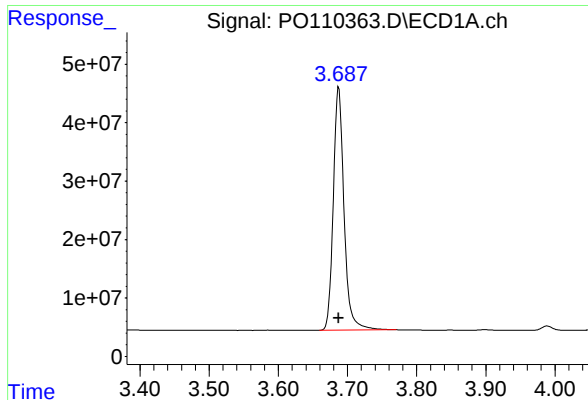
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 13:53
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 14:03:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 14:03:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

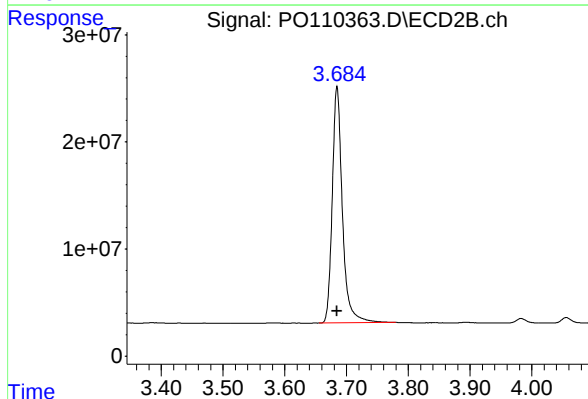




#1 Tetrachloro-m-xylene

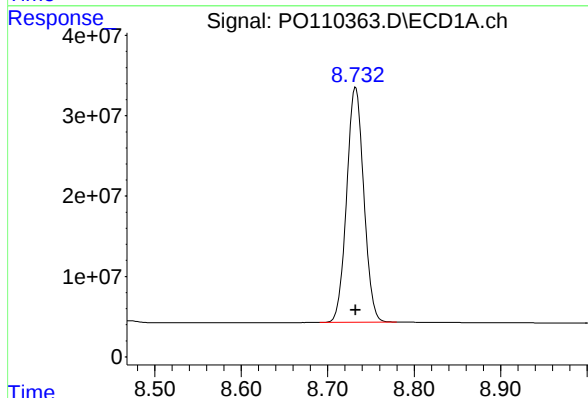
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 447959162
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



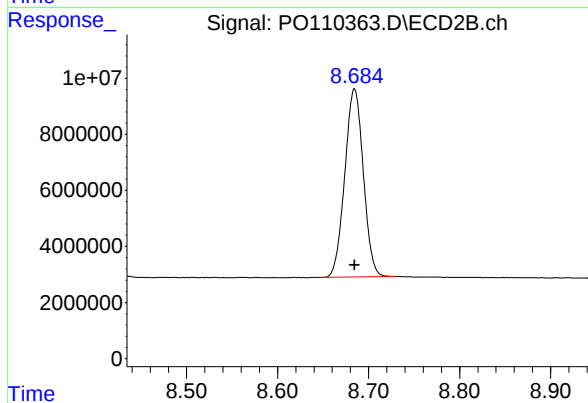
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 251933187
Conc: 50.00 ng/ml



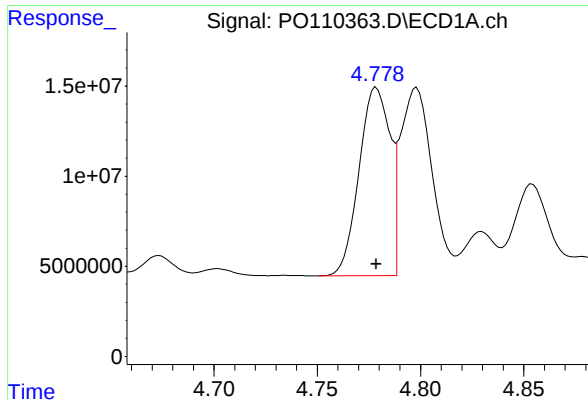
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 401588257
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

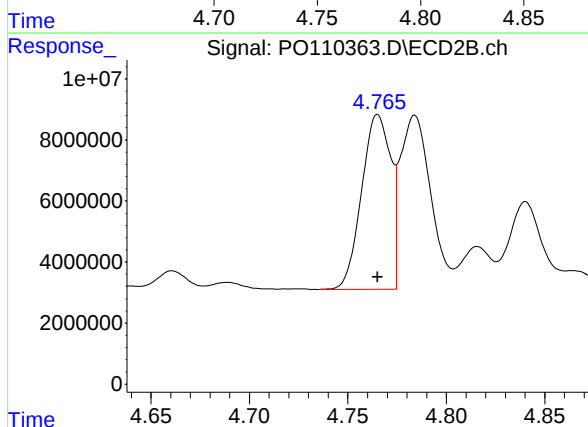
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 95016625
Conc: 50.00 ng/ml



#21 AR-1248-1

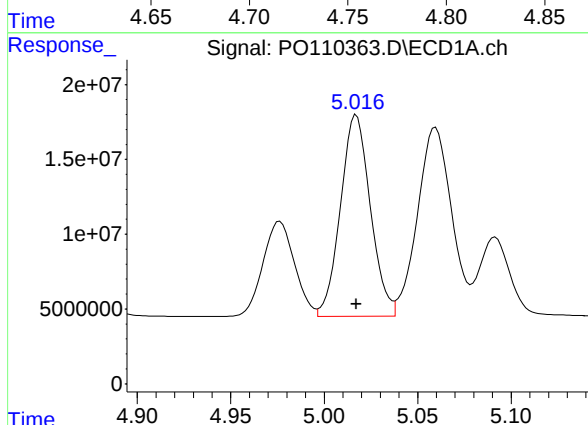
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 108940585
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



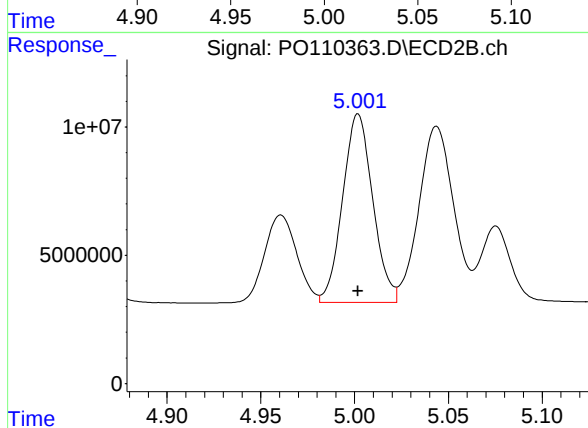
#21 AR-1248-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 58550593
Conc: 500.00 ng/ml



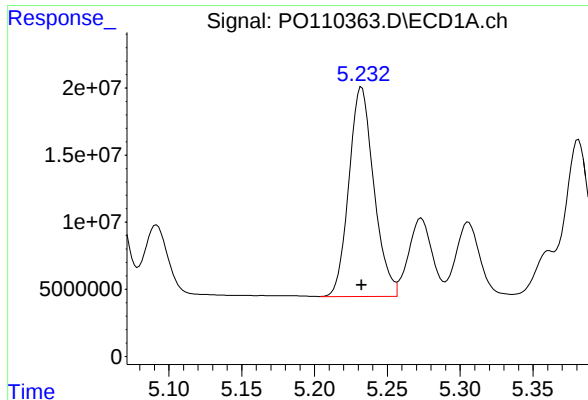
#22 AR-1248-2

R.T.: 5.017 min
Delta R.T.: 0.000 min
Response: 150111647
Conc: 500.00 ng/ml



#22 AR-1248-2

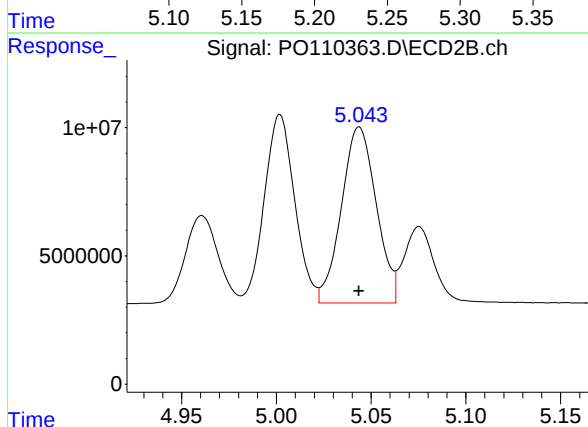
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 82244273
Conc: 500.00 ng/ml



#23 AR-1248-3

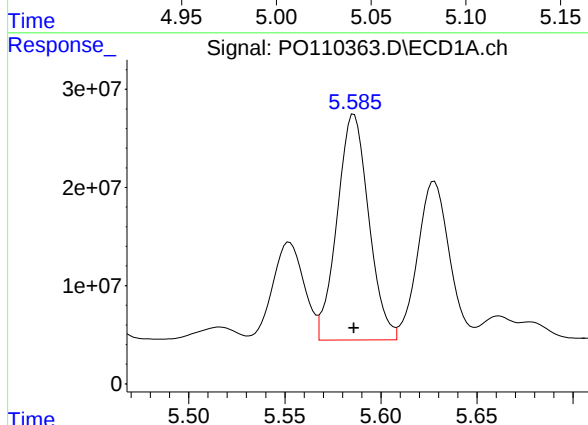
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 186156063
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



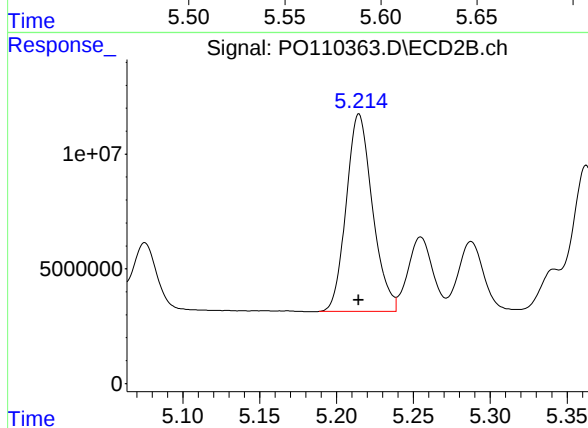
#23 AR-1248-3

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 87926534
Conc: 500.00 ng/ml



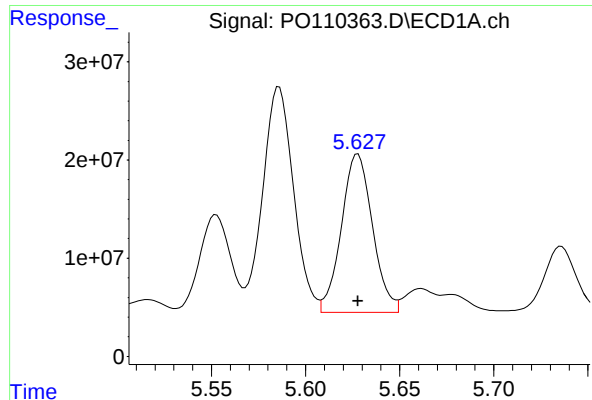
#24 AR-1248-4

R.T.: 5.586 min
Delta R.T.: 0.000 min
Response: 261938735
Conc: 500.00 ng/ml



#24 AR-1248-4

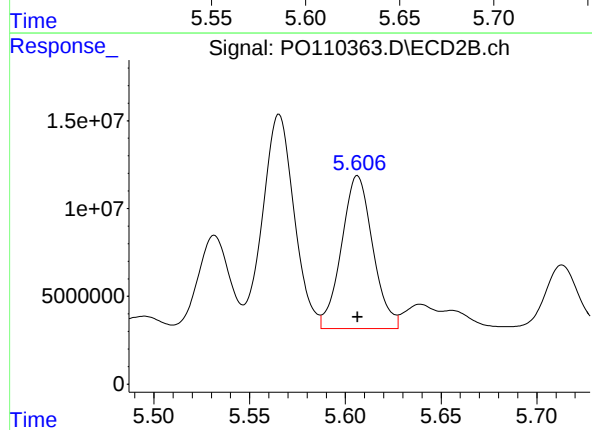
R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 102089672
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.628 min
Delta R.T.: 0.000 min
Response: 186243693
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 98954091
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110364.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 14:11
 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: Apr 10 14:22:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 14:22:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	221.9E6	124.9E6	25.300	25.319
2) SA Decachlor...	8.732	8.684	209.6E6	50390082	26.607	27.324
Target Compounds						
21) L5 AR-1248-1	4.779	4.766	56940091	30514286	268.339	267.663
22) L5 AR-1248-2	5.018	5.002	78187177	43024876	268.755	270.149
23) L5 AR-1248-3	5.232	5.044	100.5E6	46712689	274.798	272.972
24) L5 AR-1248-4	5.586	5.214	138.1E6	54859460	269.040	273.671
25) L5 AR-1248-5	5.628	5.607	98878039	52576565	270.532	270.499

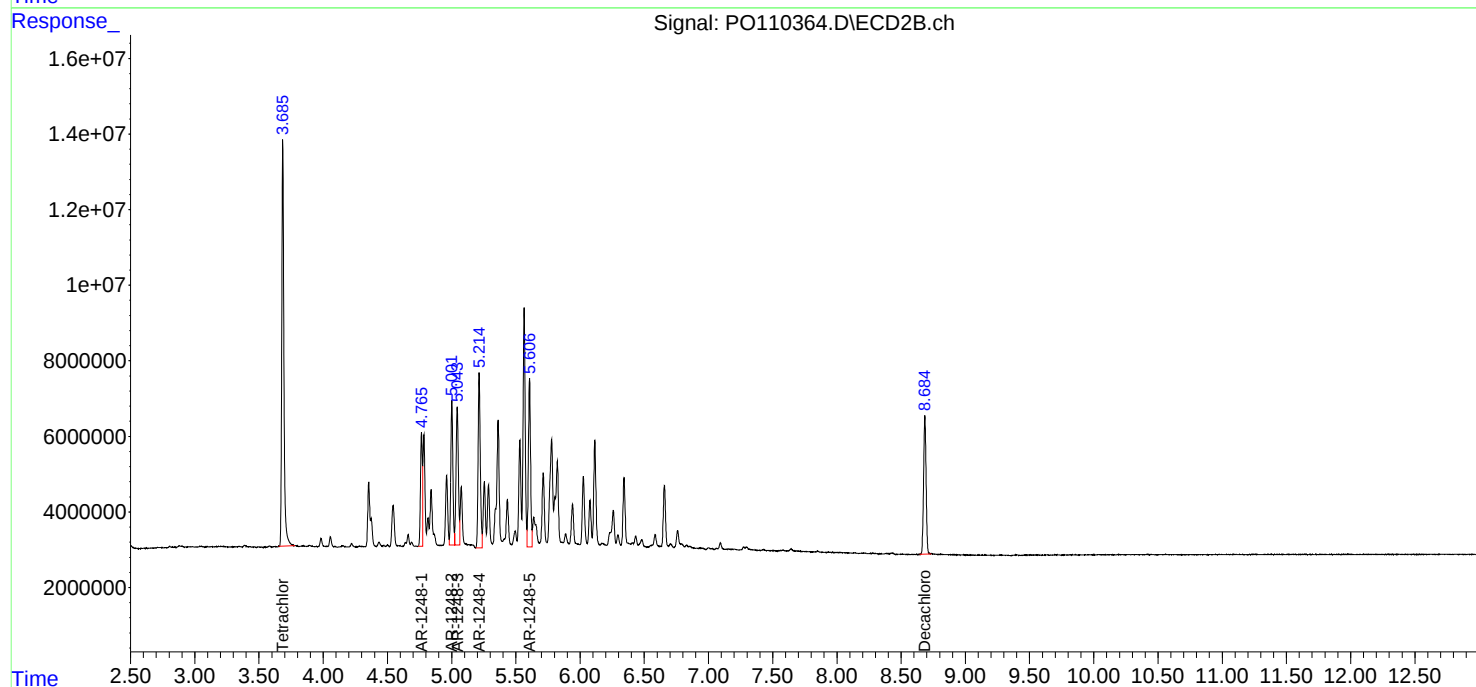
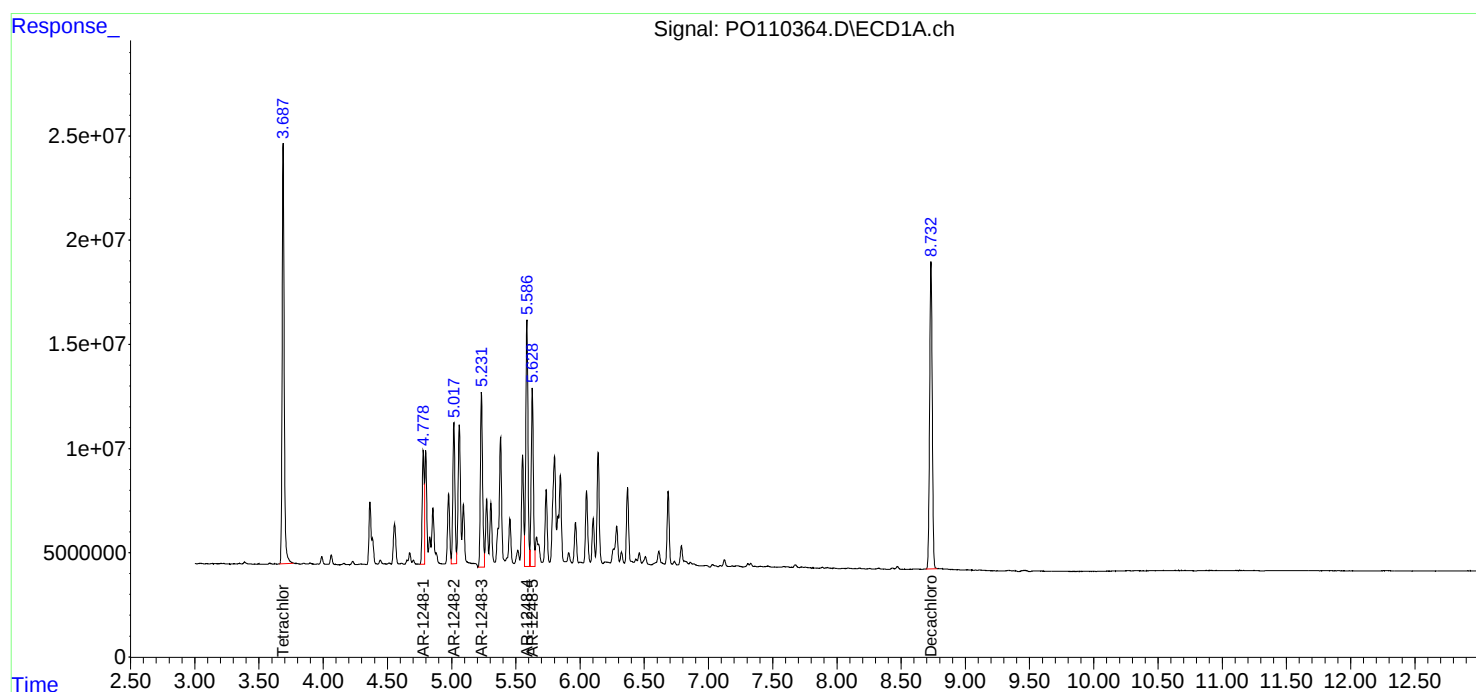
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

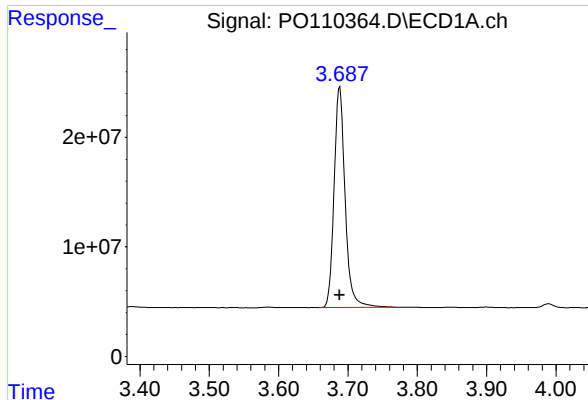
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 14:11
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 14:22:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 14:22:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

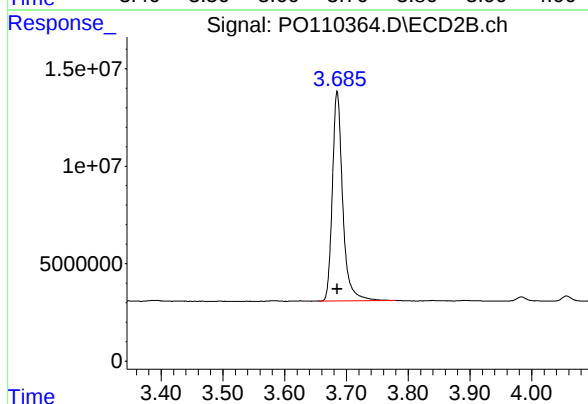




#1 Tetrachloro-m-xylene

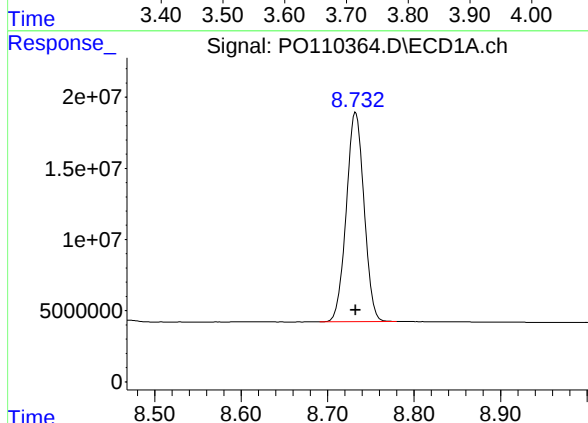
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 221895724
Conc: 25.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



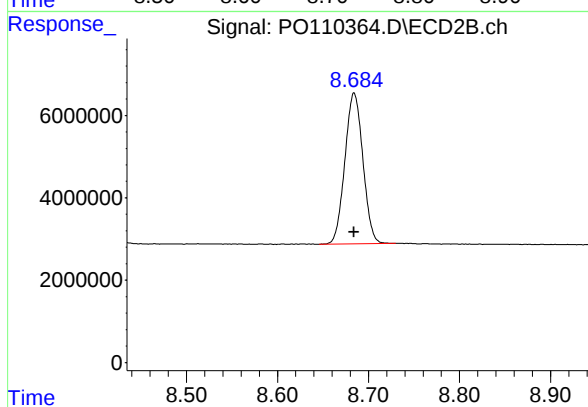
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 124938500
Conc: 25.32 ng/ml



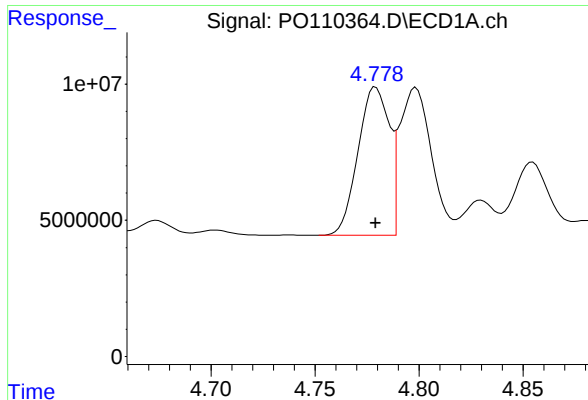
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 209558937
Conc: 26.61 ng/ml



#2 Decachlorobiphenyl

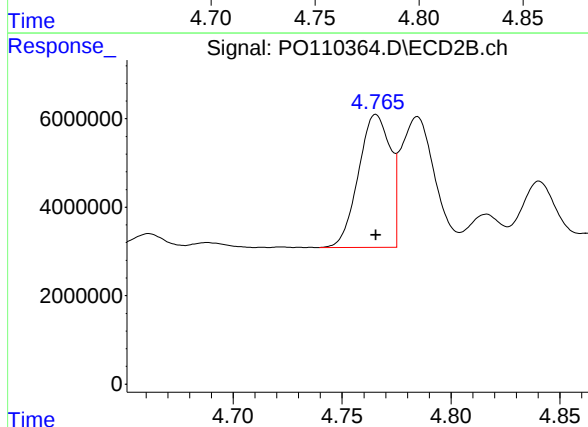
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 50390082
Conc: 27.32 ng/ml



#21 AR-1248-1

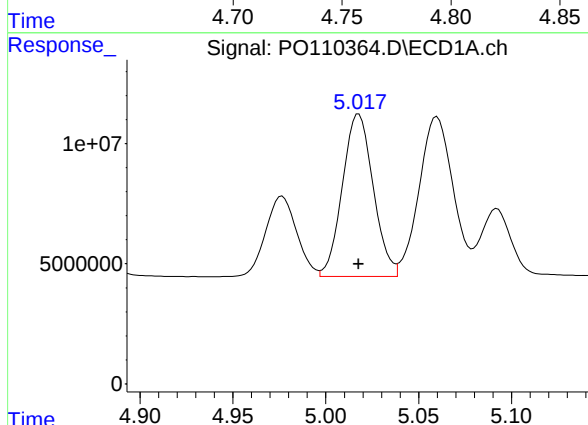
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 56940091
Conc: 268.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



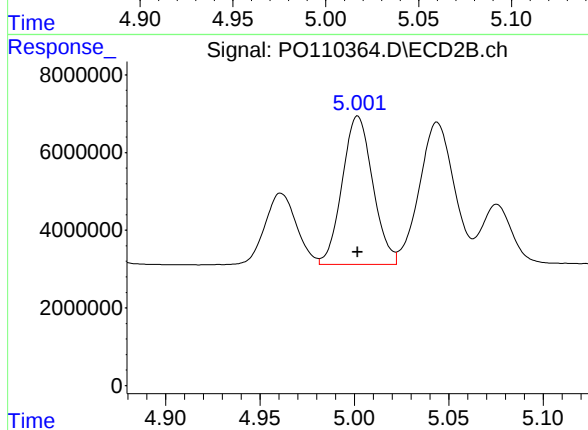
#21 AR-1248-1

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 30514286
Conc: 267.66 ng/ml



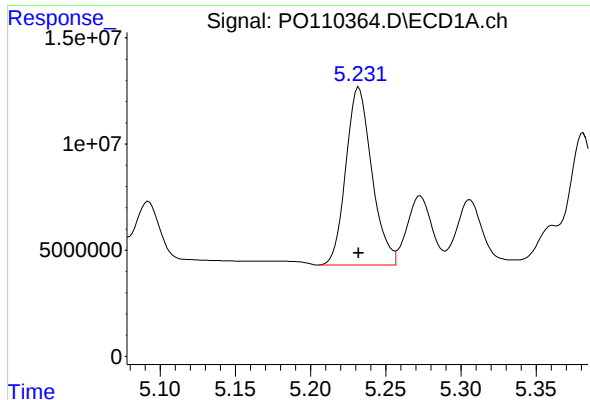
#22 AR-1248-2

R.T.: 5.018 min
Delta R.T.: 0.000 min
Response: 78187177
Conc: 268.76 ng/ml



#22 AR-1248-2

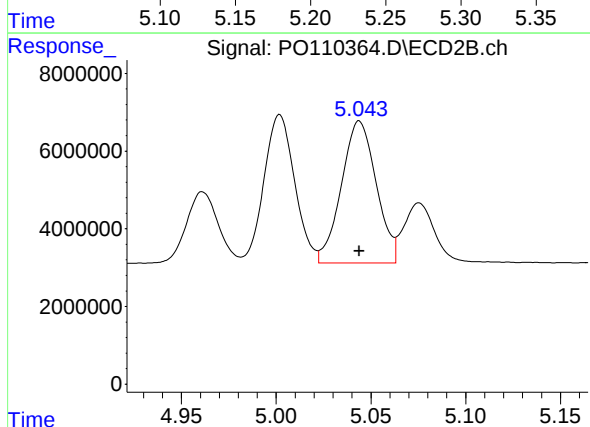
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 43024876
Conc: 270.15 ng/ml



#23 AR-1248-3

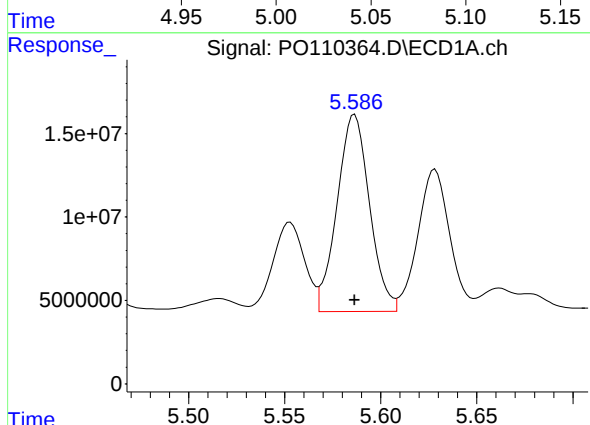
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 100514618
Conc: 274.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



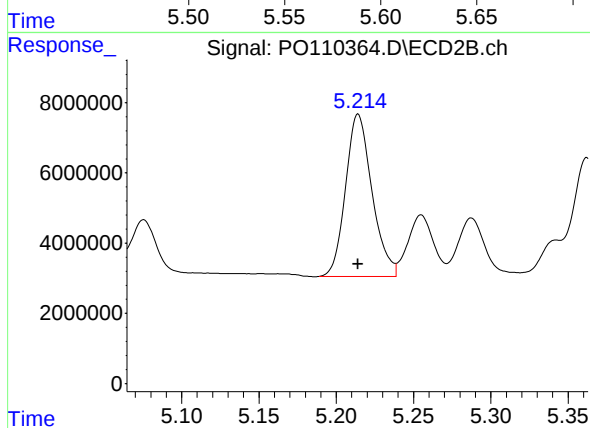
#23 AR-1248-3

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 46712689
Conc: 272.97 ng/ml



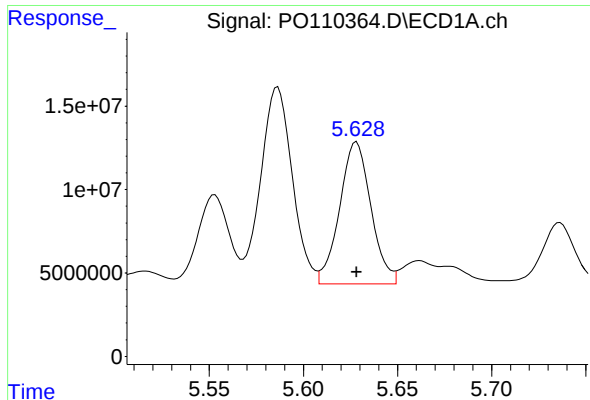
#24 AR-1248-4

R.T.: 5.586 min
Delta R.T.: 0.000 min
Response: 138141162
Conc: 269.04 ng/ml



#24 AR-1248-4

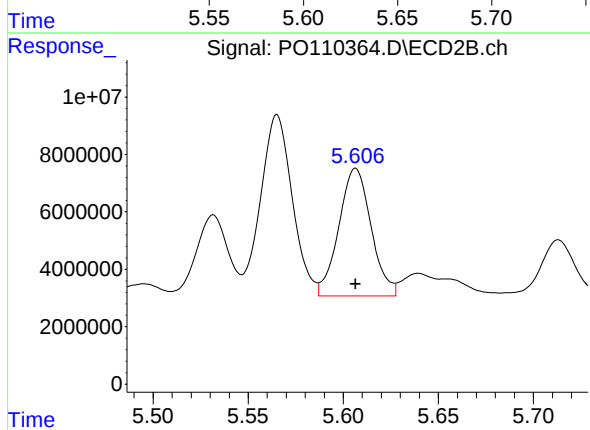
R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 54859460
Conc: 273.67 ng/ml



#25 AR-1248-5

R.T.: 5.628 min
Delta R.T.: 0.000 min
Response: 98878039
Conc: 270.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 52576565
Conc: 270.50 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110365.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 14:30
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 14:40:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 14:40:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	39393478	22189412	4.585	4.589
2) SA Decachlor...	8.731	8.683	41107420	10123504	5.174	5.384
Target Compounds						
21) L5 AR-1248-1	4.778	4.764	10770182	5982472	50.603	51.962
22) L5 AR-1248-2	5.017	5.001	15796625	8867896	53.380	54.443
23) L5 AR-1248-3	5.231	5.043	19335025	9738708	52.262	55.379
24) L5 AR-1248-4	5.585	5.214	27315770	10828083	52.527	53.163
25) L5 AR-1248-5	5.627	5.605	19257467	10475122	52.128	53.067

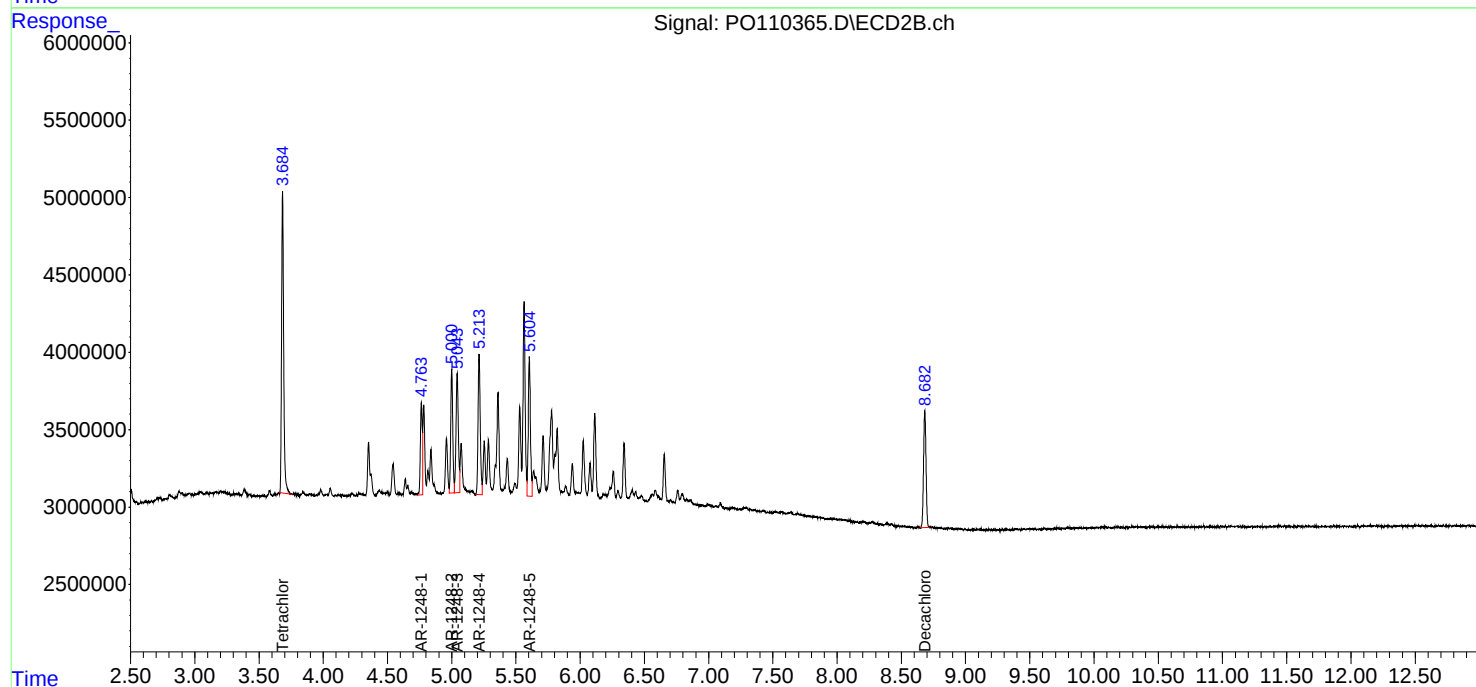
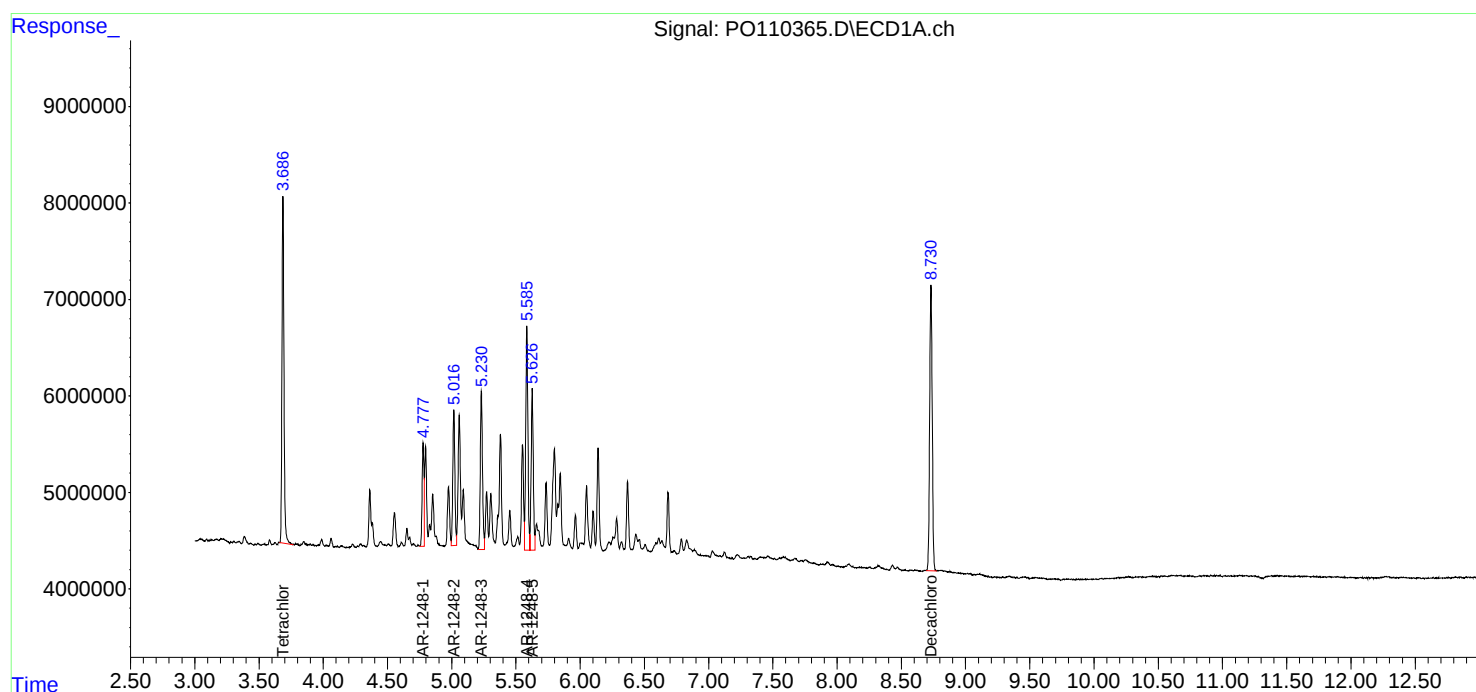
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

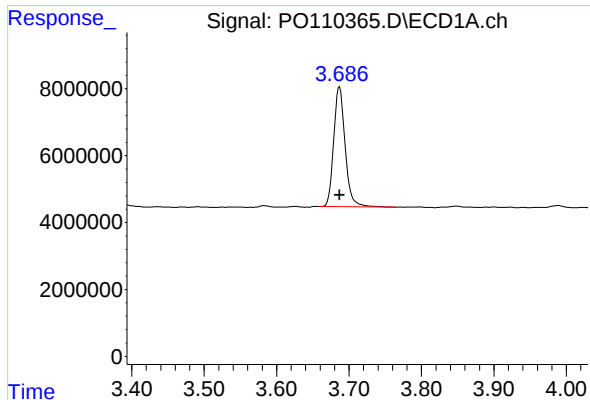
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 14:30
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 14:40:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 14:40:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

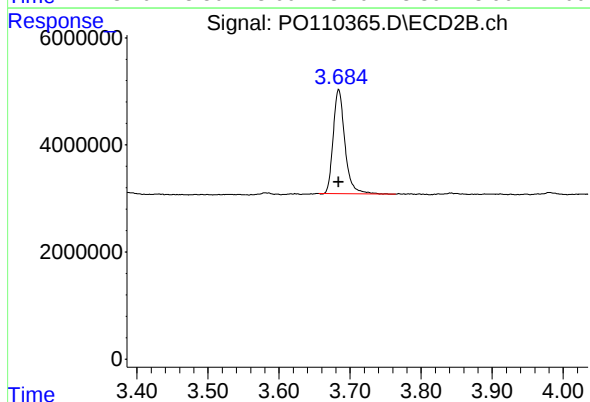




#1 Tetrachloro-m-xylene

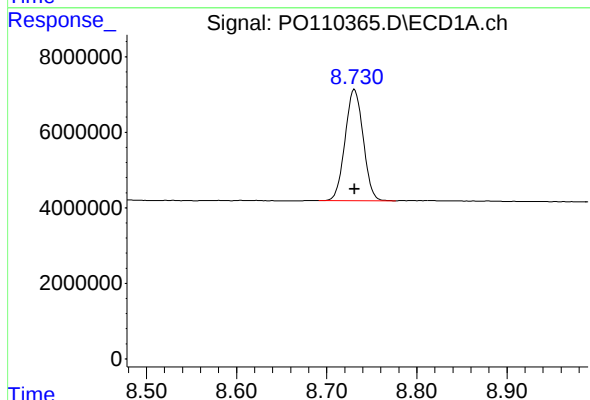
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 39393478
Conc: 4.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



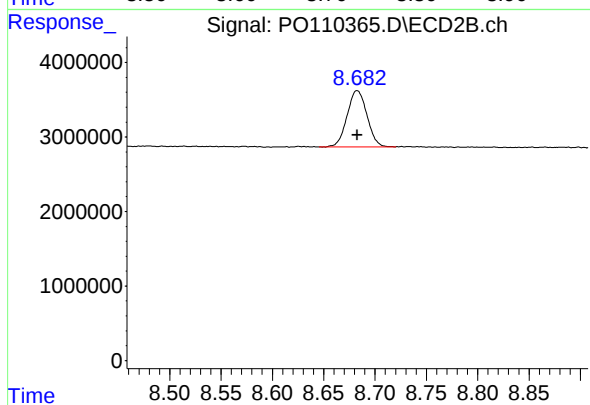
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 22189412
Conc: 4.59 ng/ml



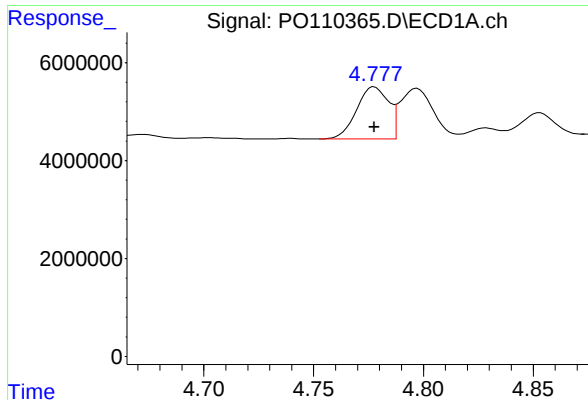
#2 Decachlorobiphenyl

R.T.: 8.731 min
Delta R.T.: 0.000 min
Response: 41107420
Conc: 5.17 ng/ml



#2 Decachlorobiphenyl

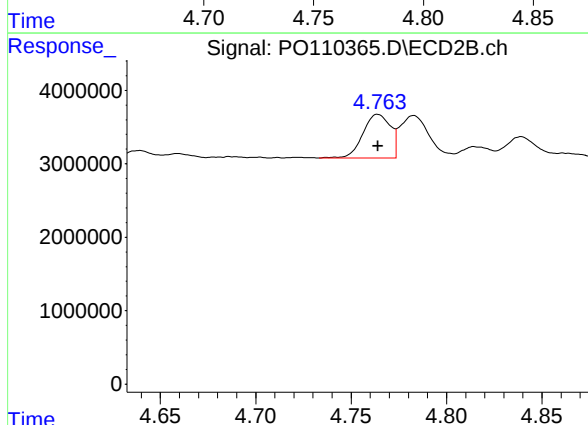
R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 10123504
Conc: 5.38 ng/ml



#21 AR-1248-1

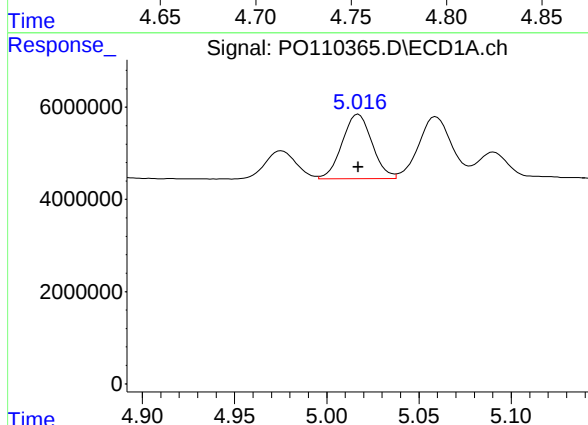
R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 10770182
Conc: 50.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



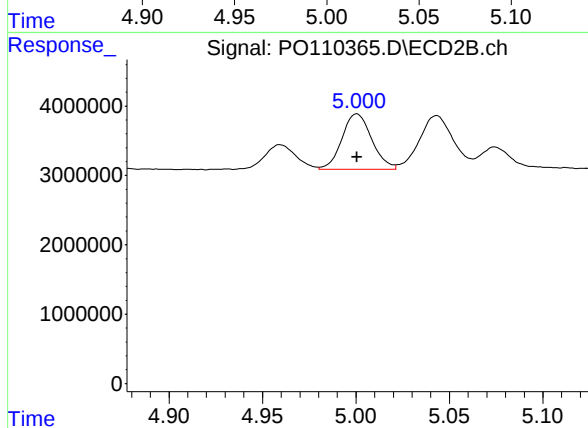
#21 AR-1248-1

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 5982472
Conc: 51.96 ng/ml



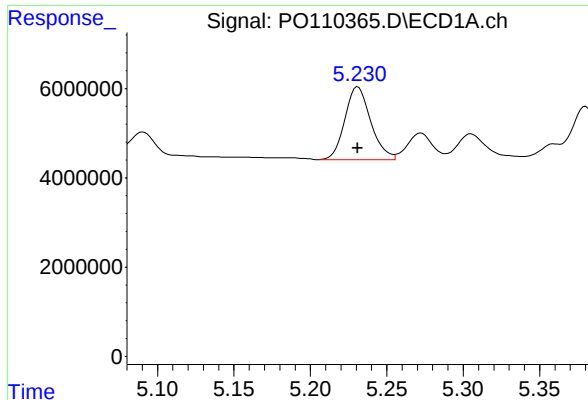
#22 AR-1248-2

R.T.: 5.017 min
Delta R.T.: 0.000 min
Response: 15796625
Conc: 53.38 ng/ml



#22 AR-1248-2

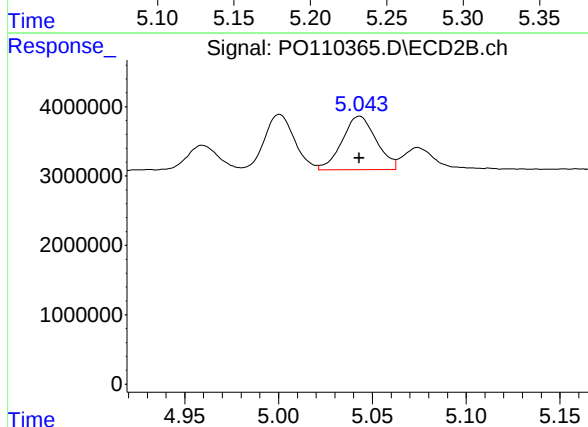
R.T.: 5.001 min
Delta R.T.: 0.000 min
Response: 8867896
Conc: 54.44 ng/ml



#23 AR-1248-3

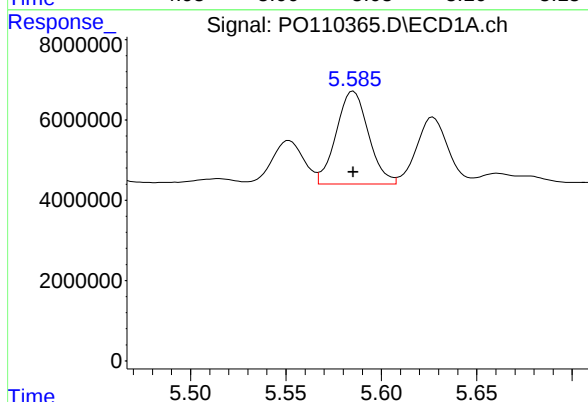
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 19335025
Conc: 52.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



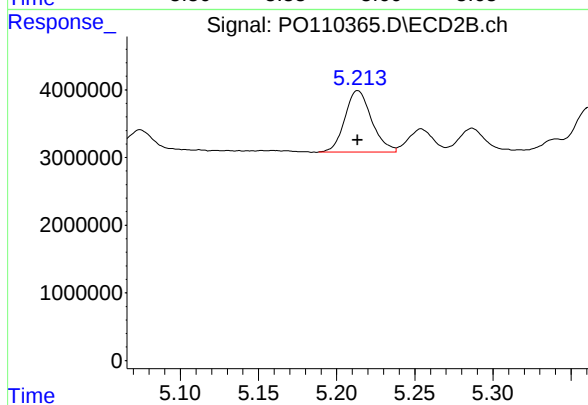
#23 AR-1248-3

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 9738708
Conc: 55.38 ng/ml



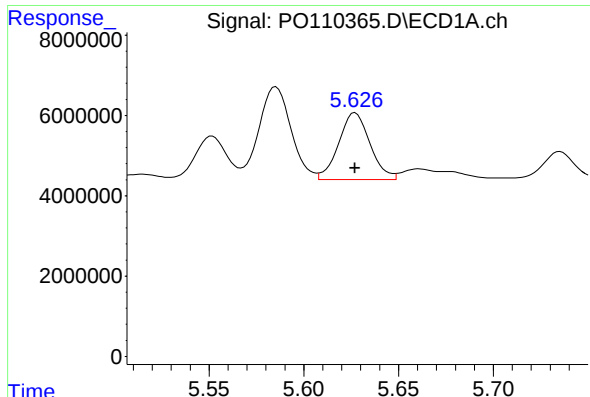
#24 AR-1248-4

R.T.: 5.585 min
Delta R.T.: 0.000 min
Response: 27315770
Conc: 52.53 ng/ml



#24 AR-1248-4

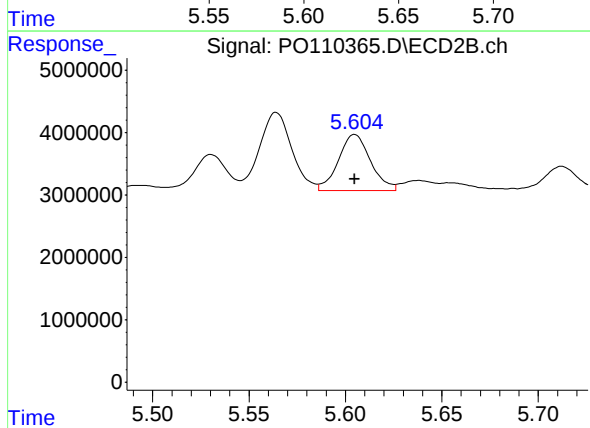
R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 10828083
Conc: 53.16 ng/ml



#25 AR-1248-5

R.T.: 5.627 min
Delta R.T.: 0.000 min
Response: 19257467
Conc: 52.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.605 min
Delta R.T.: 0.000 min
Response: 10475122
Conc: 53.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110366.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 14:48
 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: Apr 10 15:41:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 15:38:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	866.5E6	486.6E6	99.747	99.926
2) SA Decachlor...	8.733	8.684	761.3E6	167.3E6	96.636	93.604
Target Compounds						
26) L6 AR-1254-1	5.587	5.566	517.2E6	275.5E6	964.265	963.531
27) L6 AR-1254-2	5.736	5.713	450.8E6	239.9E6	970.858	963.389
28) L6 AR-1254-3	6.142	6.117	746.2E6	380.0E6	977.998	969.945
29) L6 AR-1254-4	6.371	6.344	460.1E6	215.9E6	968.424	969.951
30) L6 AR-1254-5	6.790	6.761	657.6E6	307.7E6	969.952	963.966

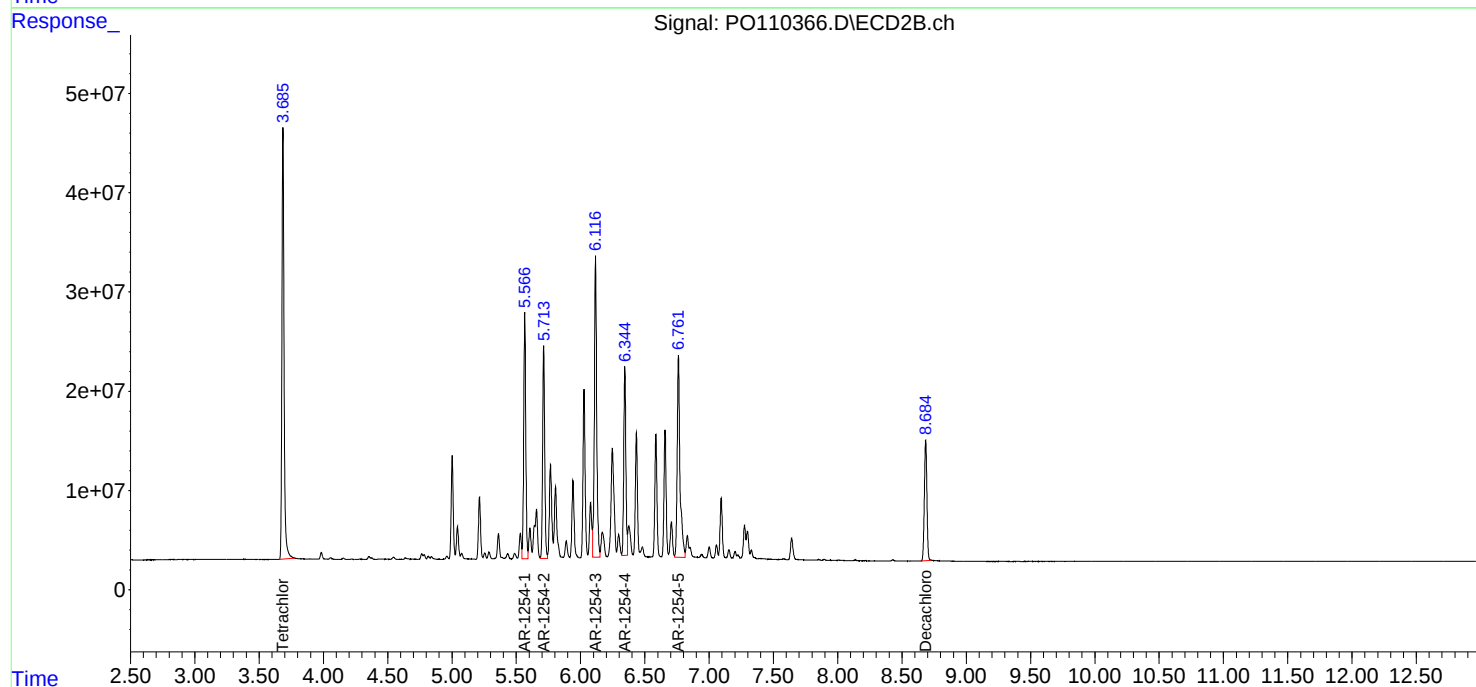
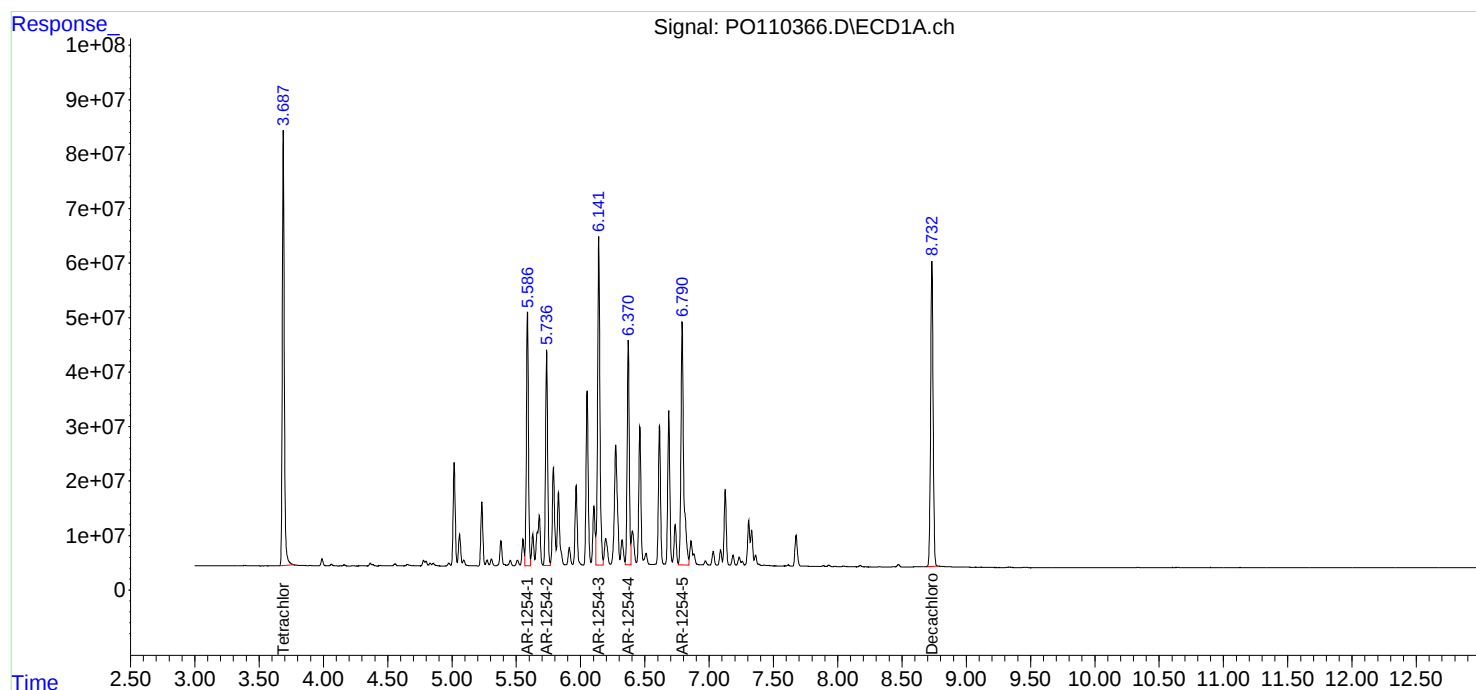
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

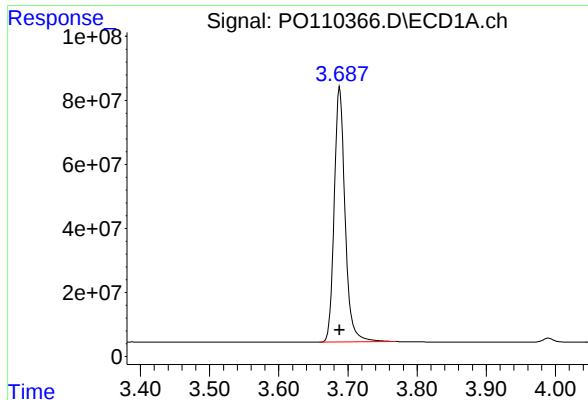
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 14:48
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 15:41:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 15:38:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

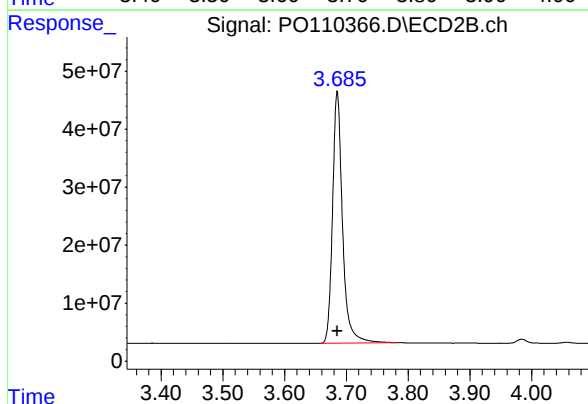




#1 Tetrachloro-m-xylene

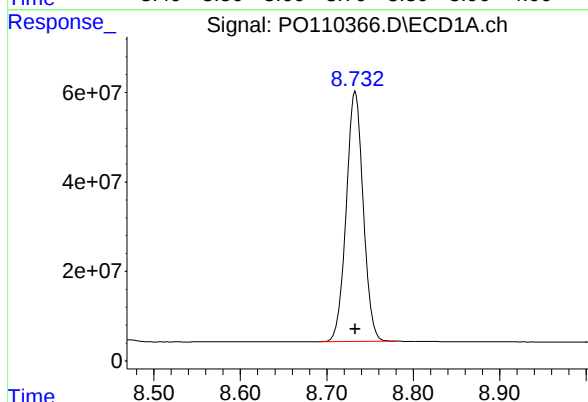
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 866509220
Conc: 99.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



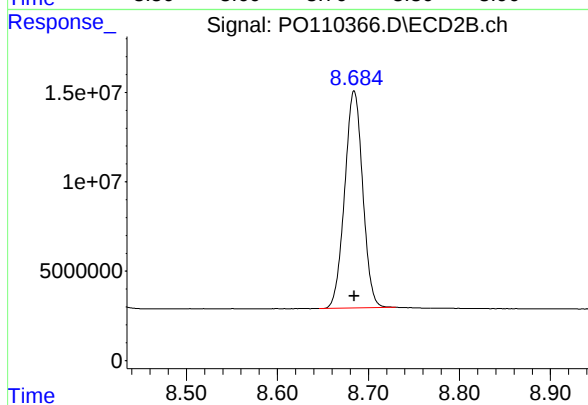
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 486562593
Conc: 99.93 ng/ml



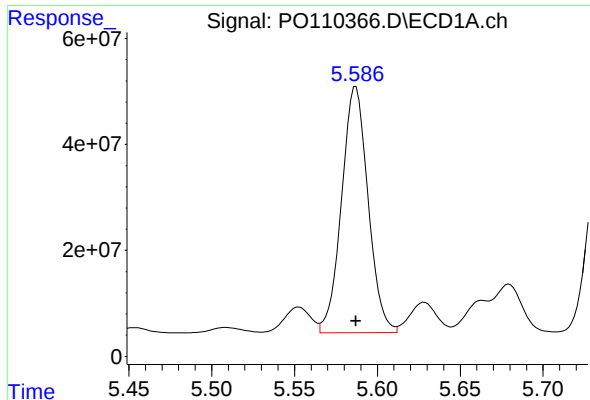
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 761299037
Conc: 96.64 ng/ml



#2 Decachlorobiphenyl

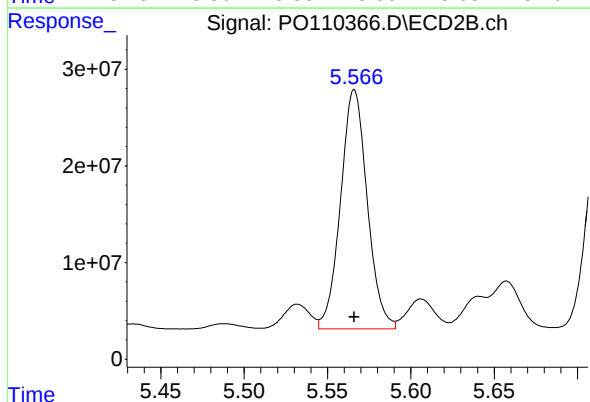
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 167274258
Conc: 93.60 ng/ml



#26 AR-1254-1

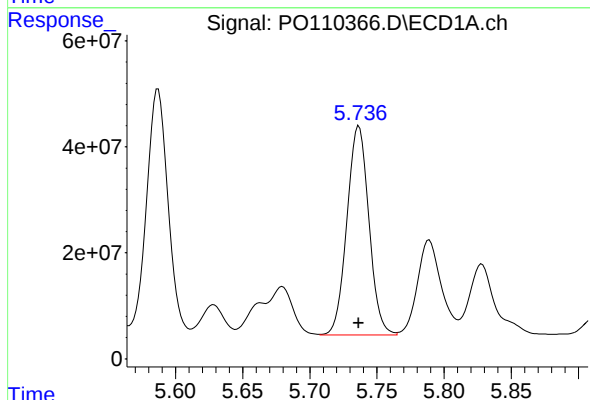
R.T.: 5.587 min
Delta R.T.: 0.000 min
Response: 517202507
Conc: 964.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



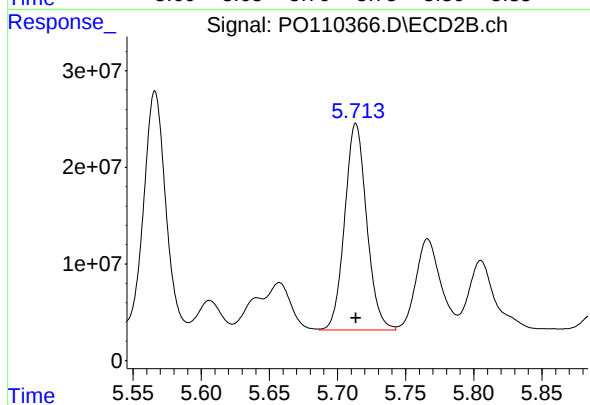
#26 AR-1254-1

R.T.: 5.566 min
Delta R.T.: 0.000 min
Response: 275528987
Conc: 963.53 ng/ml



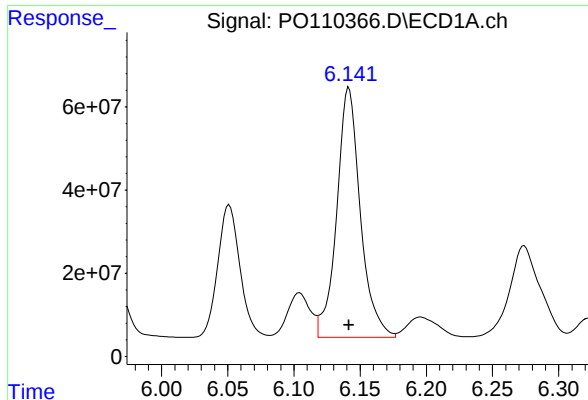
#27 AR-1254-2

R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 450798901
Conc: 970.86 ng/ml



#27 AR-1254-2

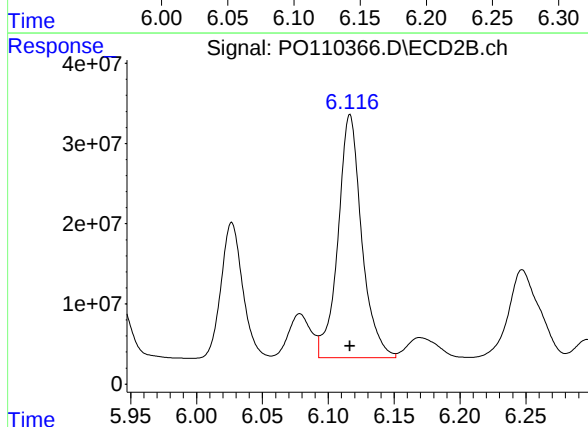
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 239912515
Conc: 963.39 ng/ml



#28 AR-1254-3

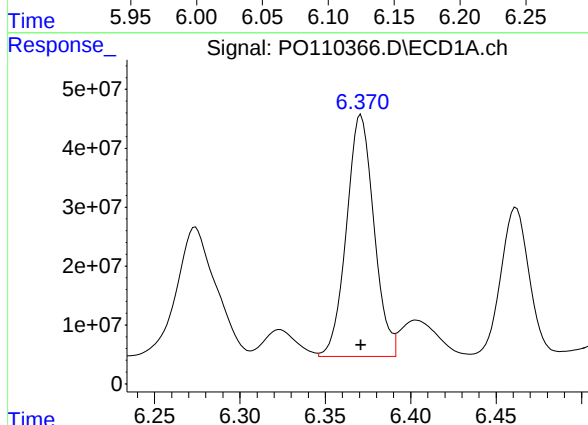
R.T.: 6.142 min
Delta R.T.: 0.000 min
Response: 746169545
Conc: 978.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



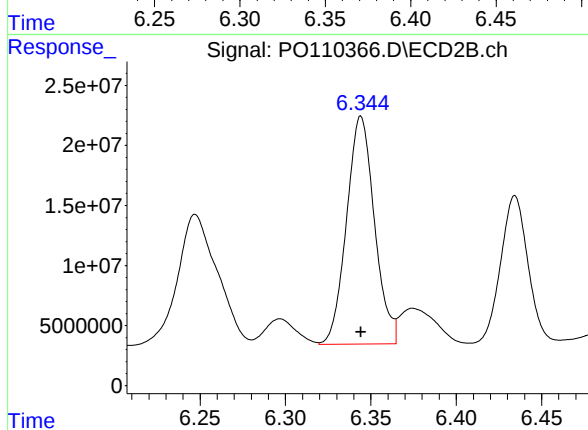
#28 AR-1254-3

R.T.: 6.117 min
Delta R.T.: 0.000 min
Response: 379979735
Conc: 969.94 ng/ml



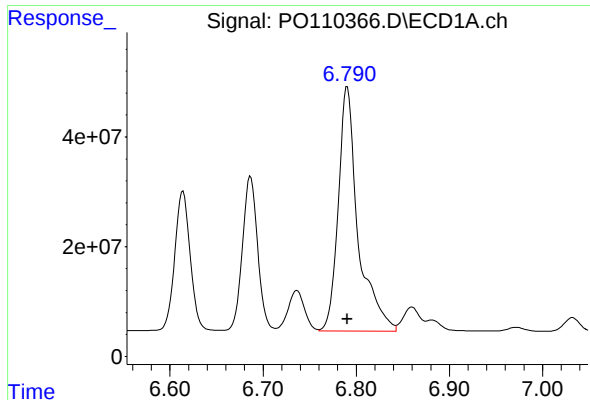
#29 AR-1254-4

R.T.: 6.371 min
Delta R.T.: 0.000 min
Response: 460149954
Conc: 968.42 ng/ml



#29 AR-1254-4

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 215870098
Conc: 969.95 ng/ml



#30 AR-1254-5

R.T.: 6.790 min

Delta R.T.: 0.000 min

Response: 657635451

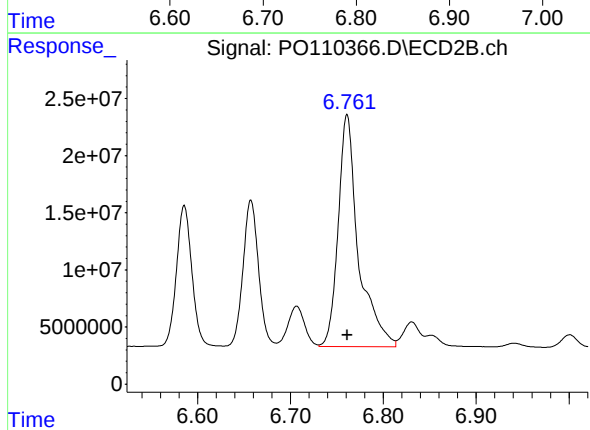
Conc: 969.95 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1254ICC1000



#30 AR-1254-5

R.T.: 6.761 min

Delta R.T.: 0.000 min

Response: 307722172

Conc: 963.97 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110367.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 15:06
 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: Apr 10 15:44:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 15:38:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	661.9E6	372.0E6	75.795	75.921
2) SA Decachlor...	8.732	8.684	591.5E6	134.6E6	75.055	75.216
Target Compounds						
26) L6 AR-1254-1	5.587	5.566	402.3E6	214.0E6	750.022	748.992
27) L6 AR-1254-2	5.736	5.714	351.2E6	186.9E6	754.162	750.330
28) L6 AR-1254-3	6.141	6.116	576.8E6	294.3E6	754.032	750.876
29) L6 AR-1254-4	6.370	6.344	355.5E6	166.8E6	748.724	749.718
30) L6 AR-1254-5	6.790	6.761	508.6E6	239.6E6	750.141	750.401

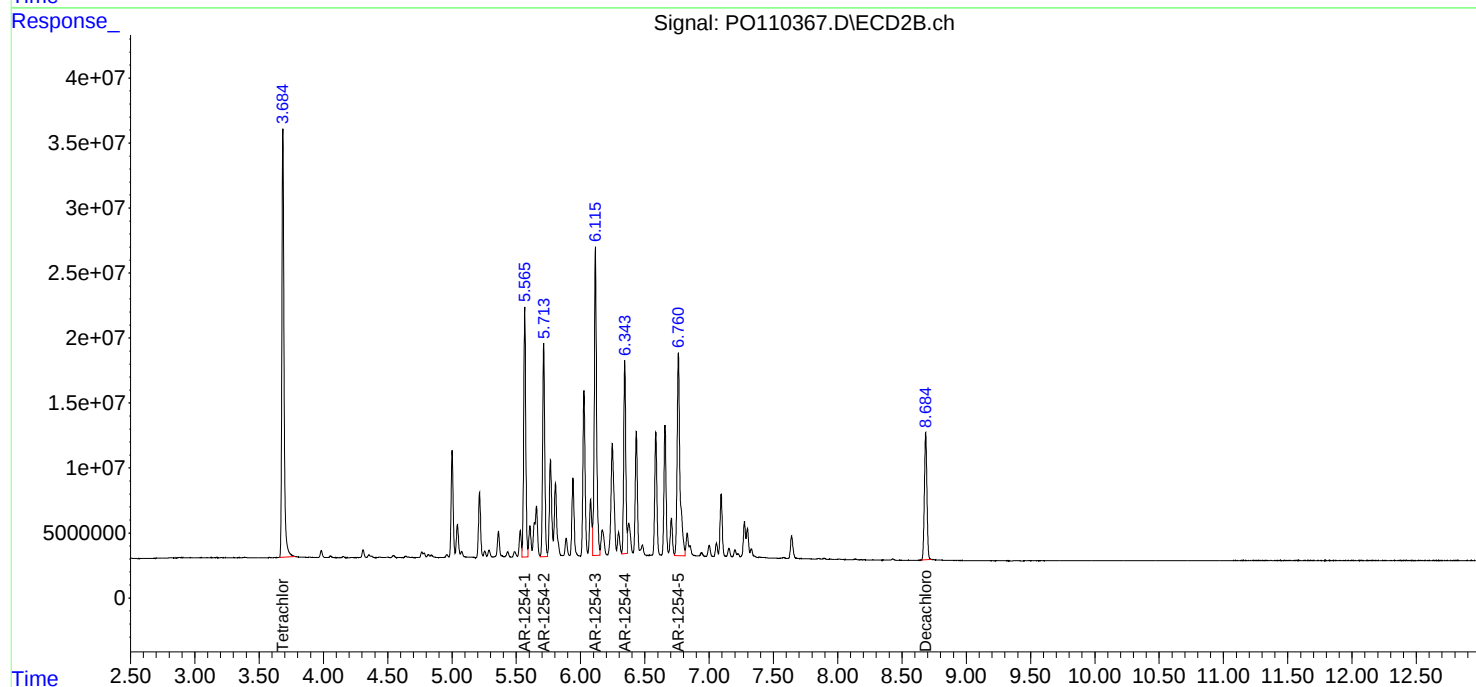
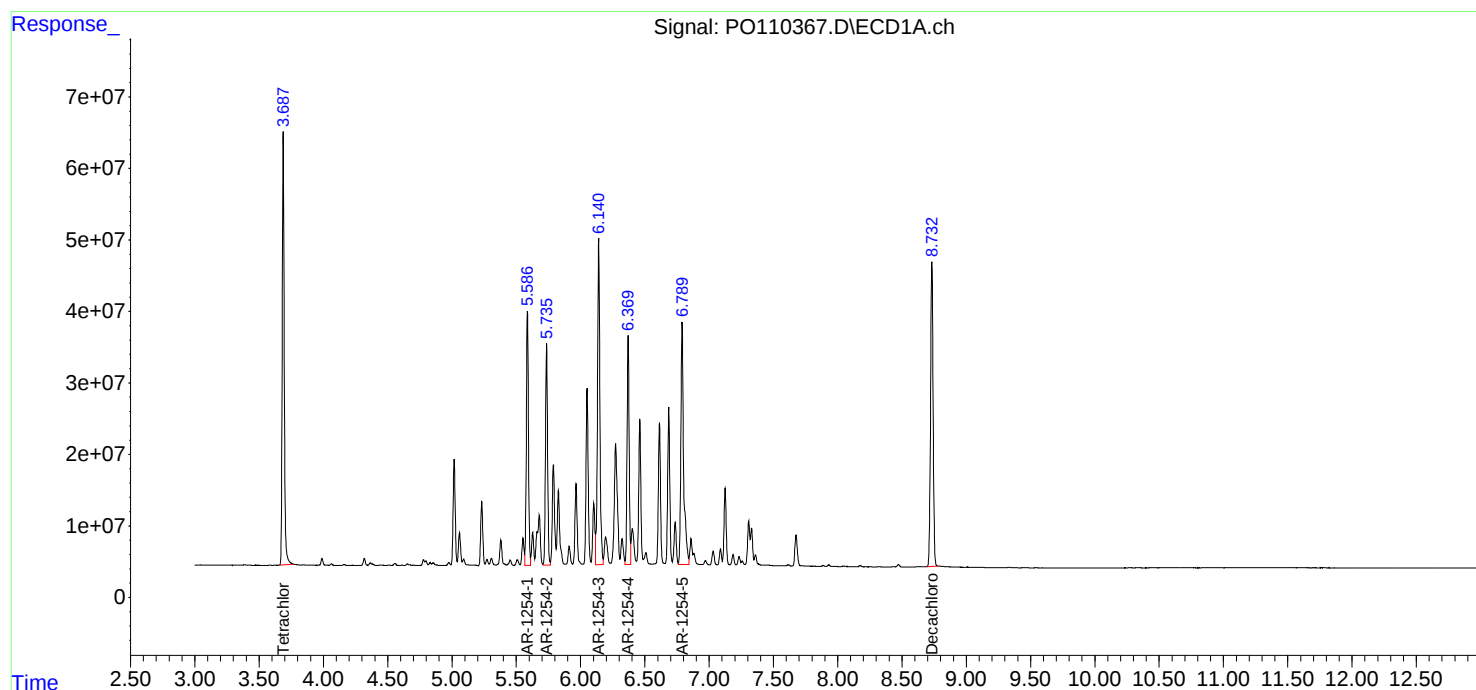
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

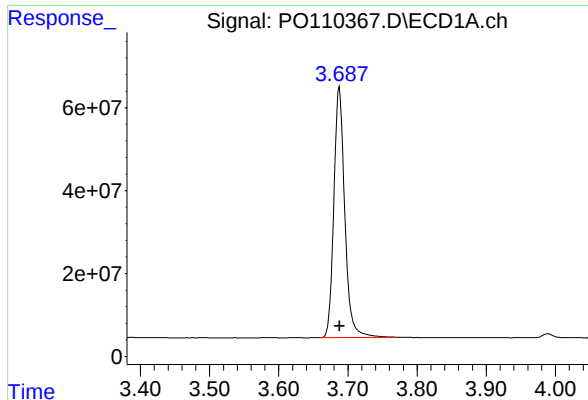
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 15:06
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 15:44:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 15:38:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

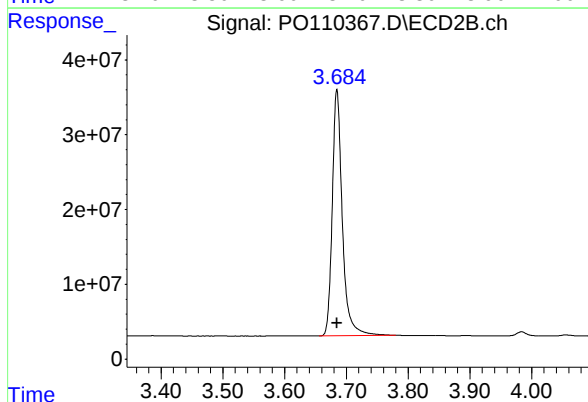




#1 Tetrachloro-m-xylene

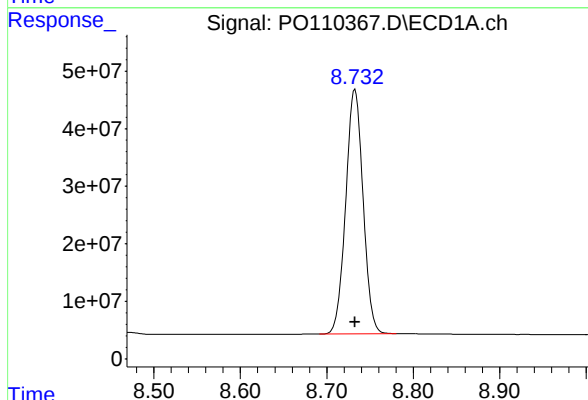
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 661947495
Conc: 75.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



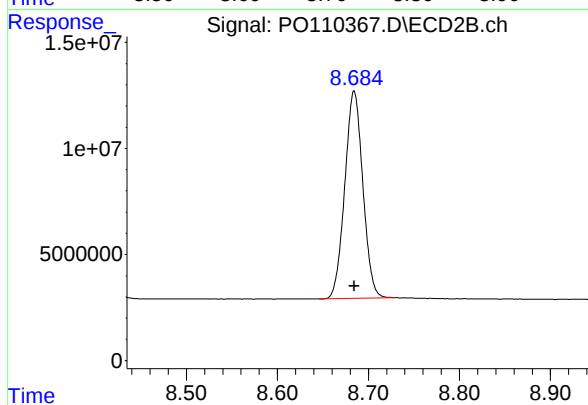
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 371957792
Conc: 75.92 ng/ml



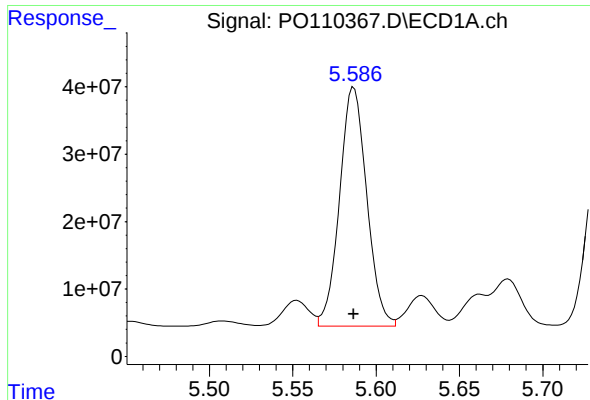
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 591504276
Conc: 75.06 ng/ml



#2 Decachlorobiphenyl

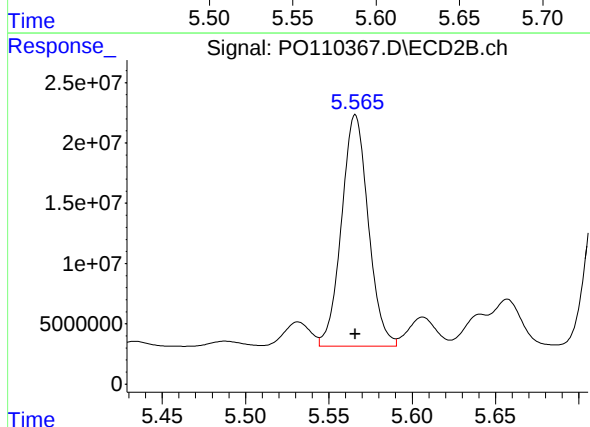
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 134606126
Conc: 75.22 ng/ml



#26 AR-1254-1

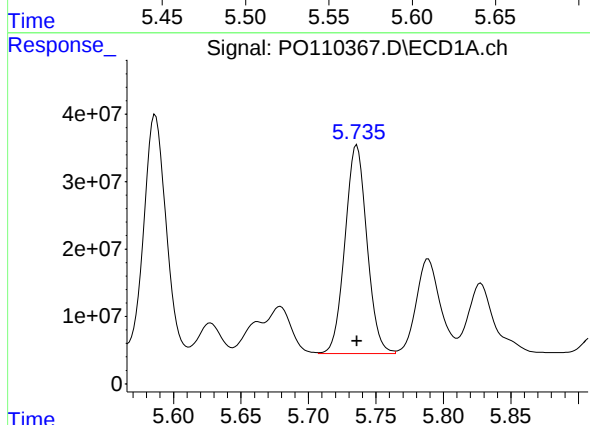
R.T.: 5.587 min
Delta R.T.: 0.000 min
Response: 402295349
Conc: 750.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



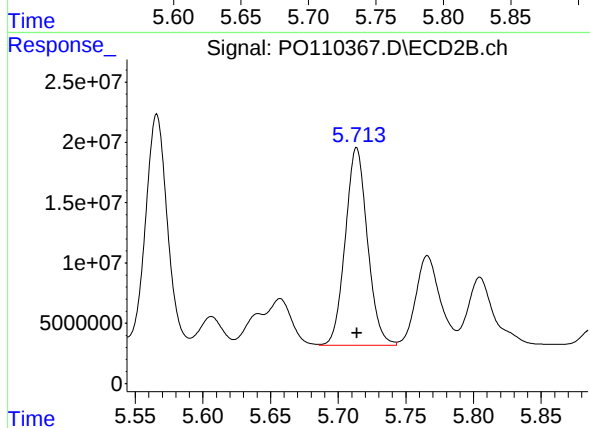
#26 AR-1254-1

R.T.: 5.566 min
Delta R.T.: 0.000 min
Response: 214036296
Conc: 748.99 ng/ml



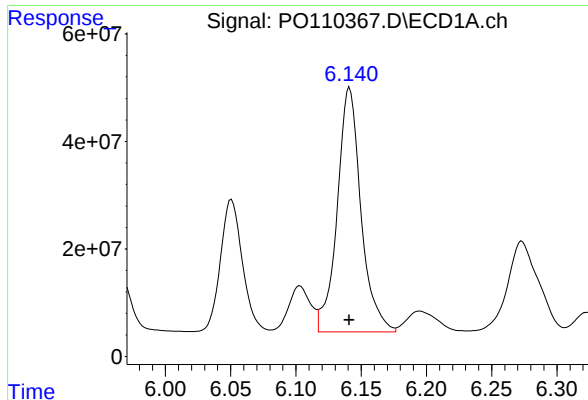
#27 AR-1254-2

R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 351154578
Conc: 754.16 ng/ml



#27 AR-1254-2

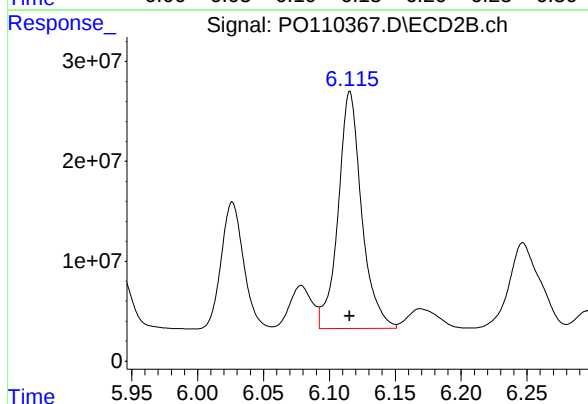
R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 186895371
Conc: 750.33 ng/ml



#28 AR-1254-3

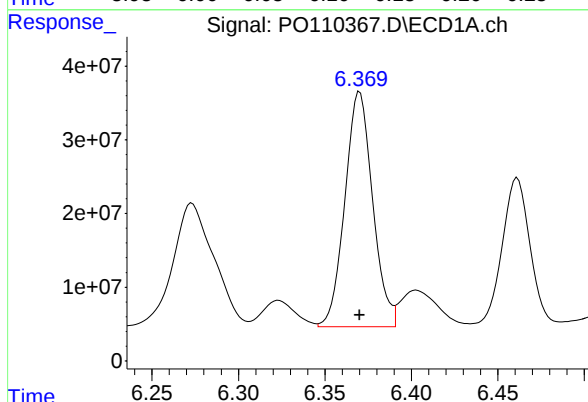
R.T.: 6.141 min
Delta R.T.: 0.000 min
Response: 576844096
Conc: 754.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



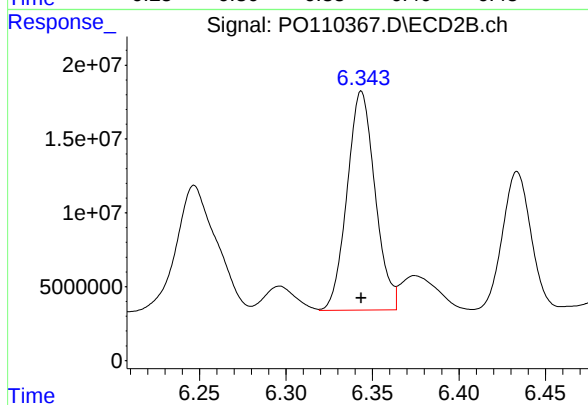
#28 AR-1254-3

R.T.: 6.116 min
Delta R.T.: 0.000 min
Response: 294330716
Conc: 750.88 ng/ml



#29 AR-1254-4

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 355456258
Conc: 748.72 ng/ml



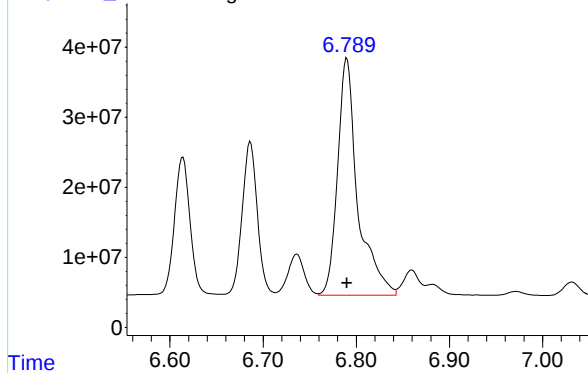
#29 AR-1254-4

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 166824313
Conc: 749.72 ng/ml

Response_

Signal: PO110367.D\ECD1A.ch

#30 AR-1254-5



R.T.: 6.790 min

Delta R.T.: 0.000 min

Response: 508649044

Conc: 750.14 ng/ml

Instrument :

ECD_O

ClientSampleId :

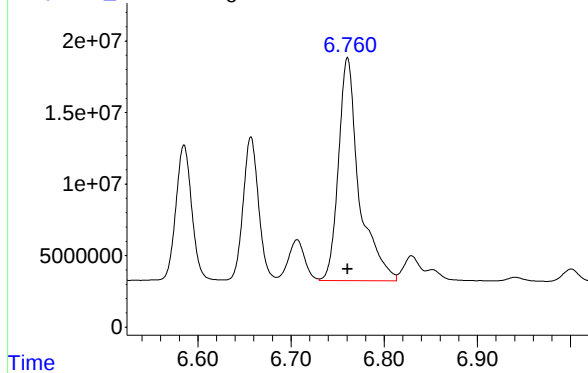
AR1254ICC750

Time

Response_

Signal: PO110367.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.761 min

Delta R.T.: 0.000 min

Response: 239610761

Conc: 750.40 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 15:25
 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: Apr 10 15:38:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 15:38:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	435.5E6	243.6E6	50.000	50.000
2) SA Decachlor...	8.733	8.684	407.1E6	95066339	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.587	5.566	277.8E6	148.2E6	500.000	500.000
27) L6 AR-1254-2	5.735	5.714	238.9E6	129.1E6	500.000	500.000
28) L6 AR-1254-3	6.141	6.115	389.9E6	201.8E6	500.000	500.000
29) L6 AR-1254-4	6.370	6.343	245.1E6	114.6E6	500.000	500.000
30) L6 AR-1254-5	6.790	6.761	349.2E6	165.4E6	500.000	500.000

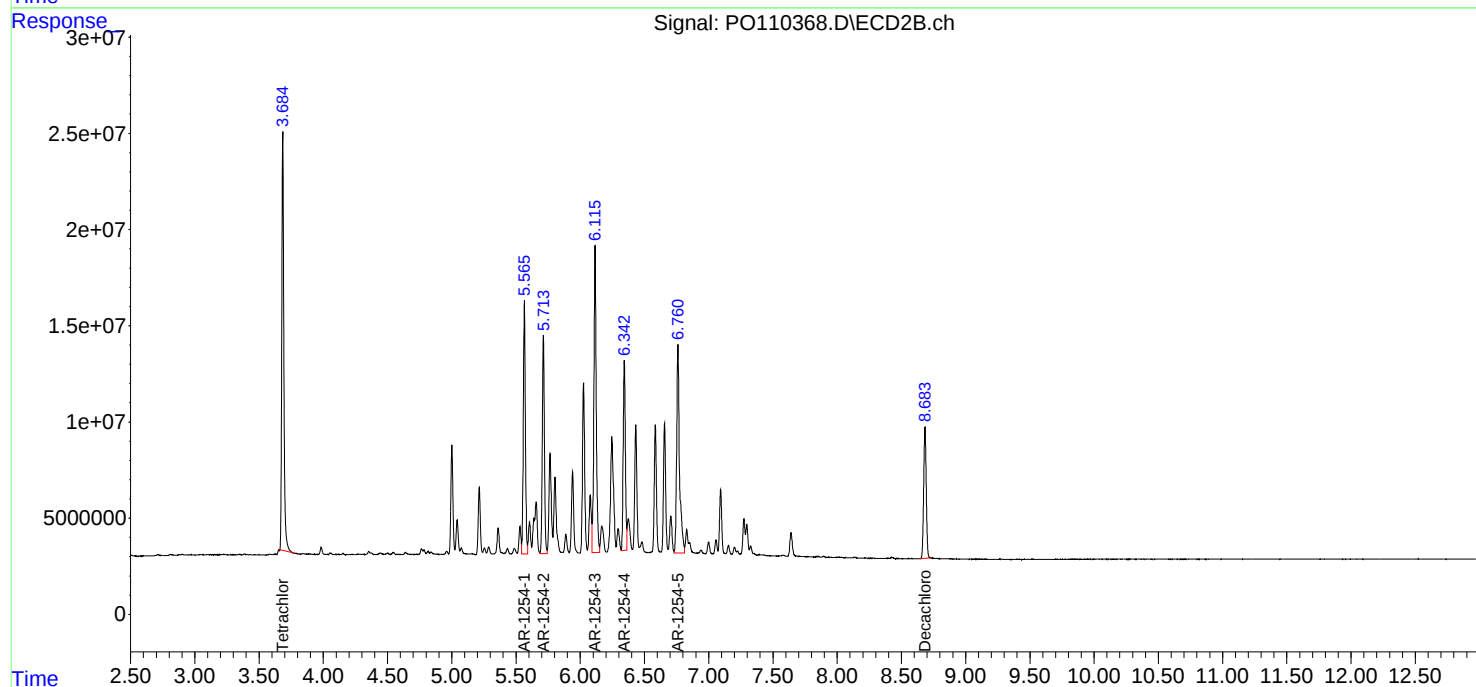
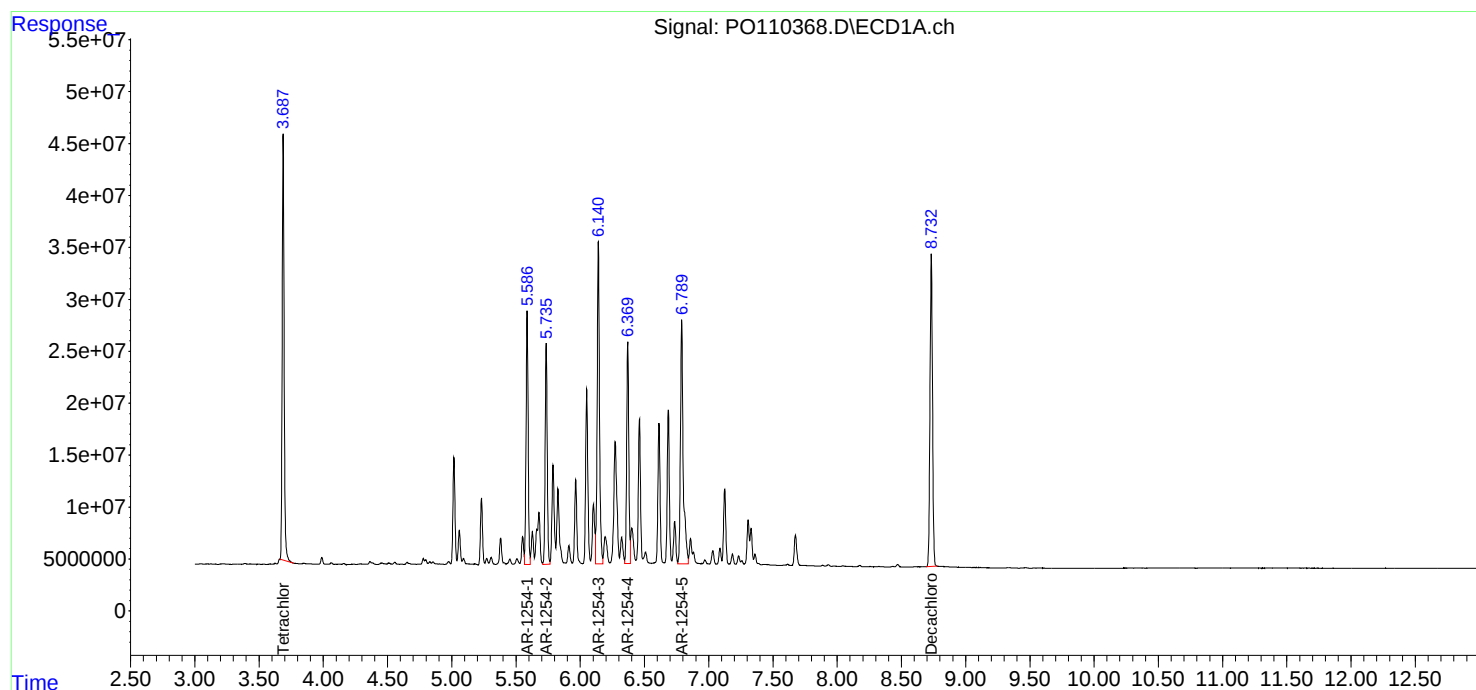
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

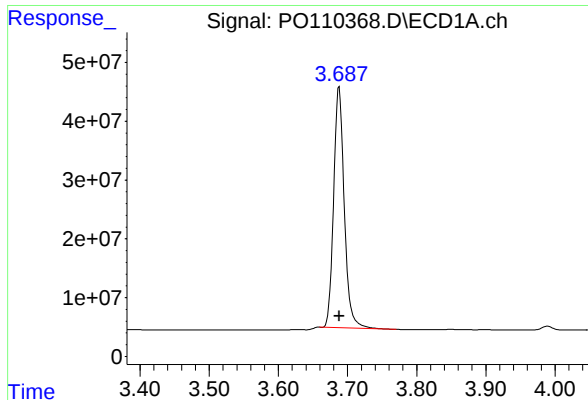
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 15:25
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 15:38:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 15:38:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

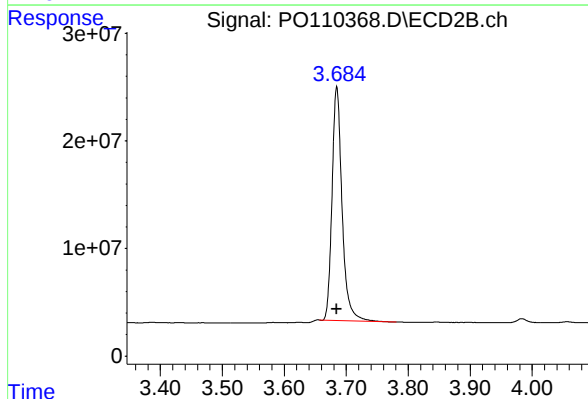




#1 Tetrachloro-m-xylene

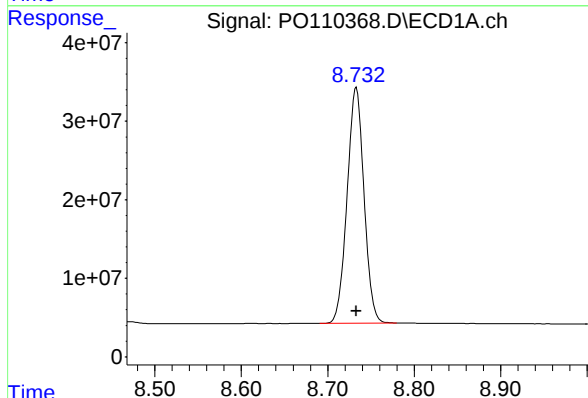
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 435455612
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



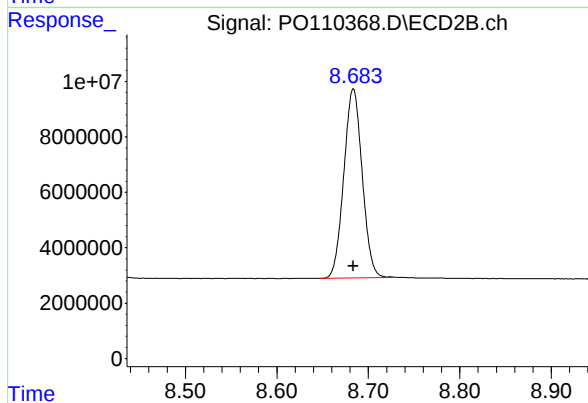
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 243639570
Conc: 50.00 ng/ml



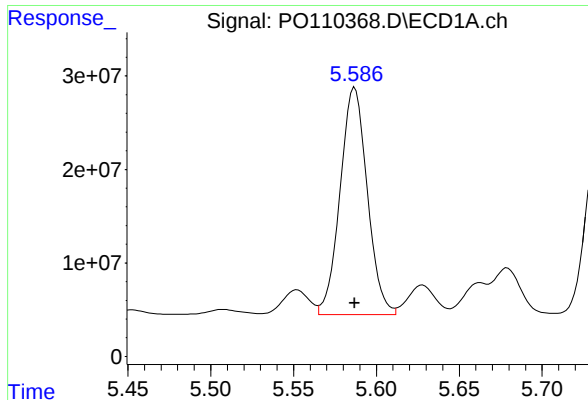
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 407149192
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

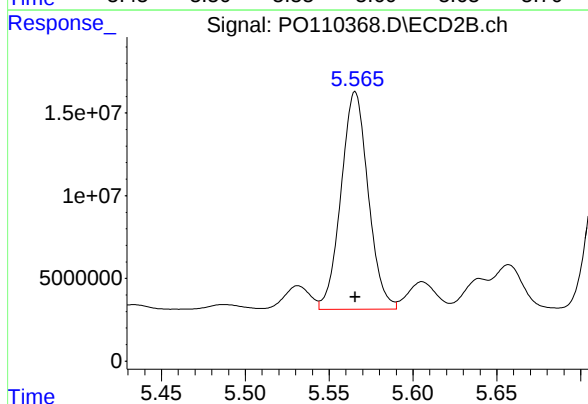
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 95066339
Conc: 50.00 ng/ml



#26 AR-1254-1

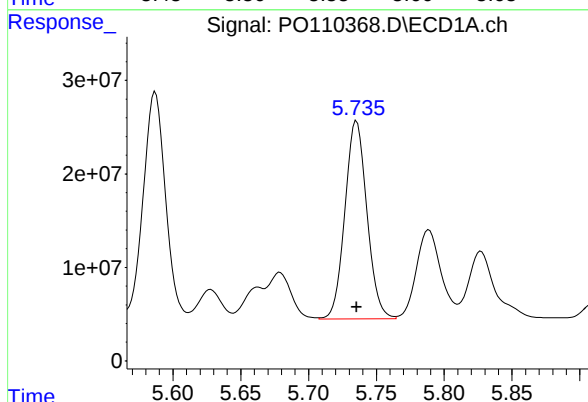
R.T.: 5.587 min
Delta R.T.: 0.000 min
Response: 277768607
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



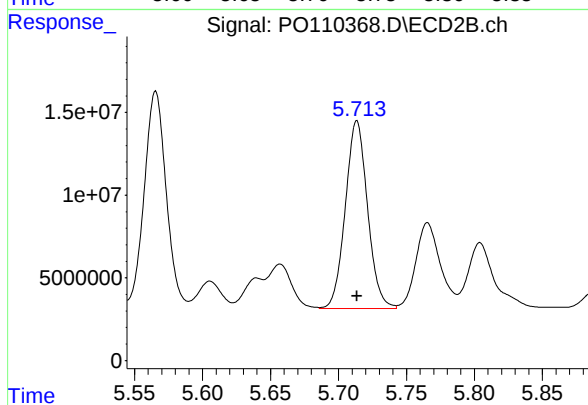
#26 AR-1254-1

R.T.: 5.566 min
Delta R.T.: 0.000 min
Response: 148193147
Conc: 500.00 ng/ml



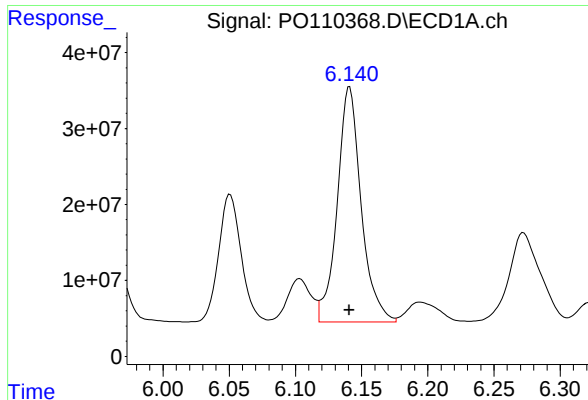
#27 AR-1254-2

R.T.: 5.735 min
Delta R.T.: 0.000 min
Response: 238930915
Conc: 500.00 ng/ml



#27 AR-1254-2

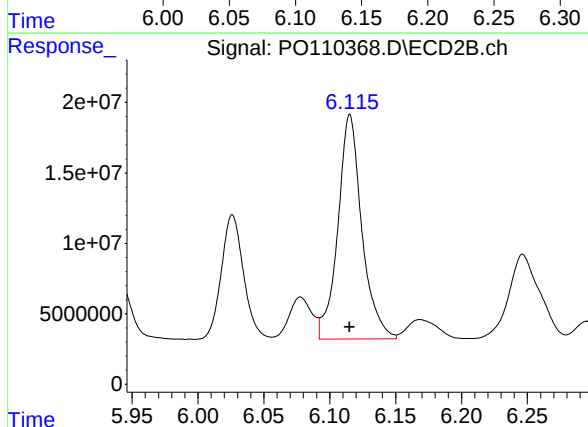
R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 129073422
Conc: 500.00 ng/ml



#28 AR-1254-3

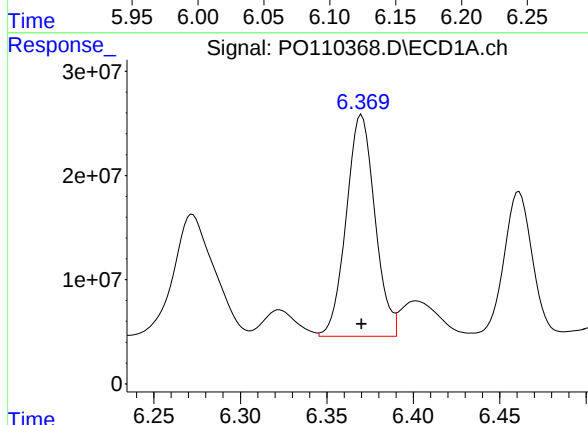
R.T.: 6.141 min
Delta R.T.: 0.000 min
Response: 389871530
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



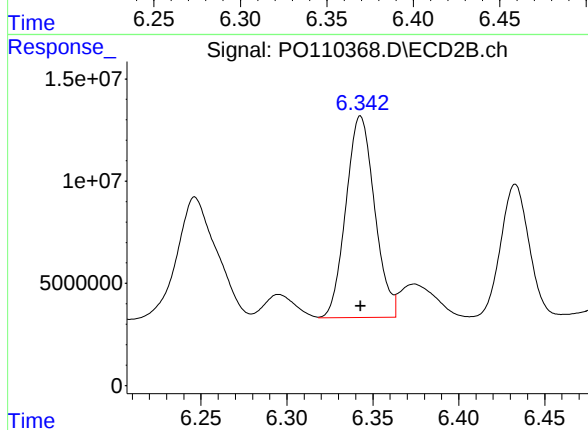
#28 AR-1254-3

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 201764217
Conc: 500.00 ng/ml



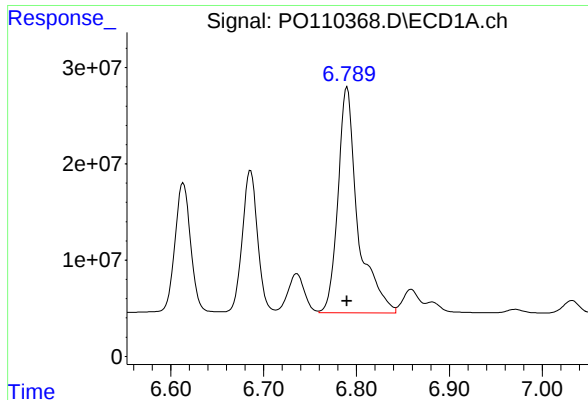
#29 AR-1254-4

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 245078389
Conc: 500.00 ng/ml



#29 AR-1254-4

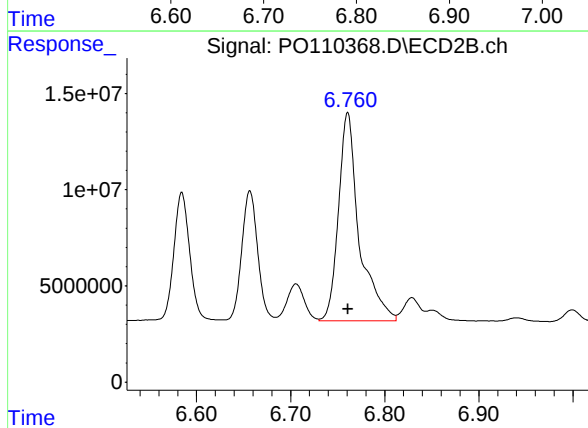
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 114622754
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.790 min
Delta R.T.: 0.000 min
Response: 349190332
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 165364115
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110369.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 15:43
 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: Apr 10 16:25:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 16:25:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	224.4E6	126.5E6	25.514	25.603
2) SA Decachlor...	8.732	8.683	212.0E6	52144786	26.397	27.980
Target Compounds						
26) L6 AR-1254-1	5.586	5.565	145.4E6	77697153	265.491	266.067
27) L6 AR-1254-2	5.735	5.713	126.7E6	68670177	266.212	268.785
28) L6 AR-1254-3	6.140	6.115	202.8E6	104.4E6	261.133	261.974
29) L6 AR-1254-4	6.370	6.343	126.3E6	59656850	261.911	263.335
30) L6 AR-1254-5	6.789	6.760	181.1E6	86716902	262.640	265.840

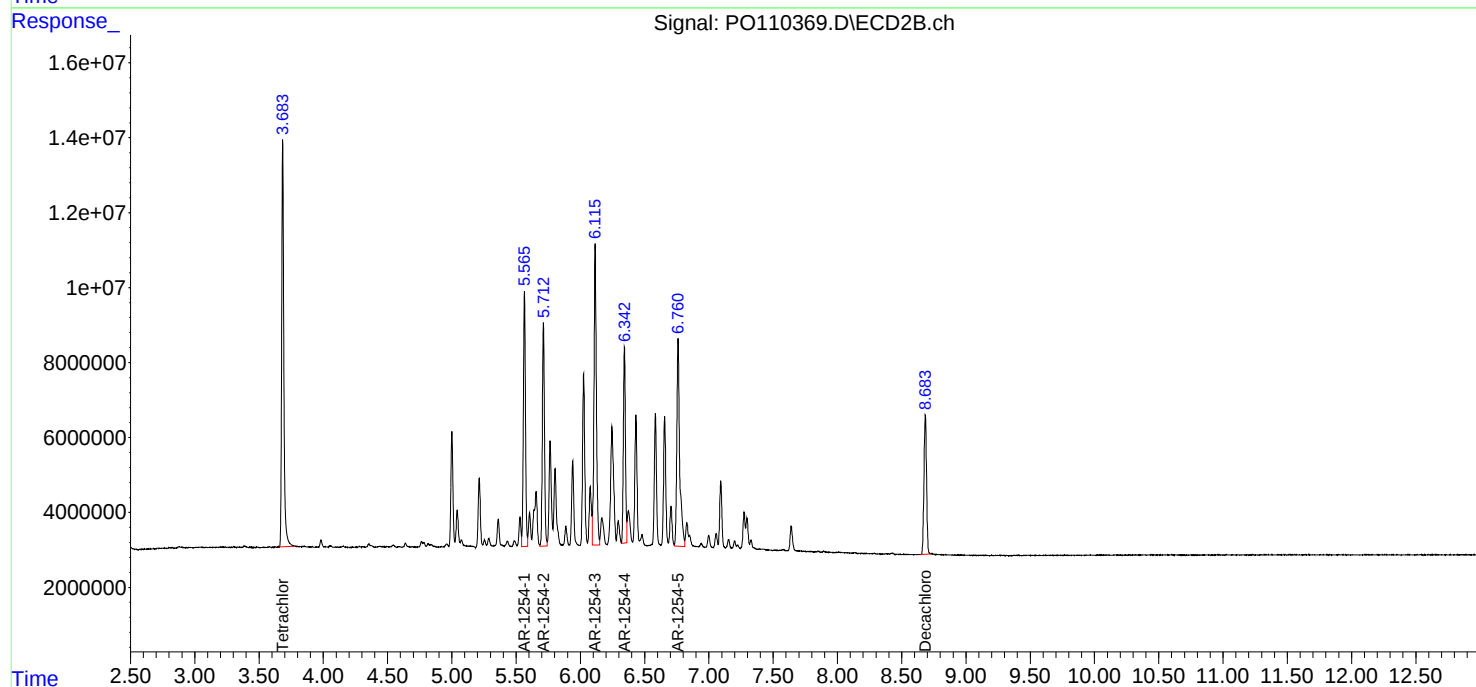
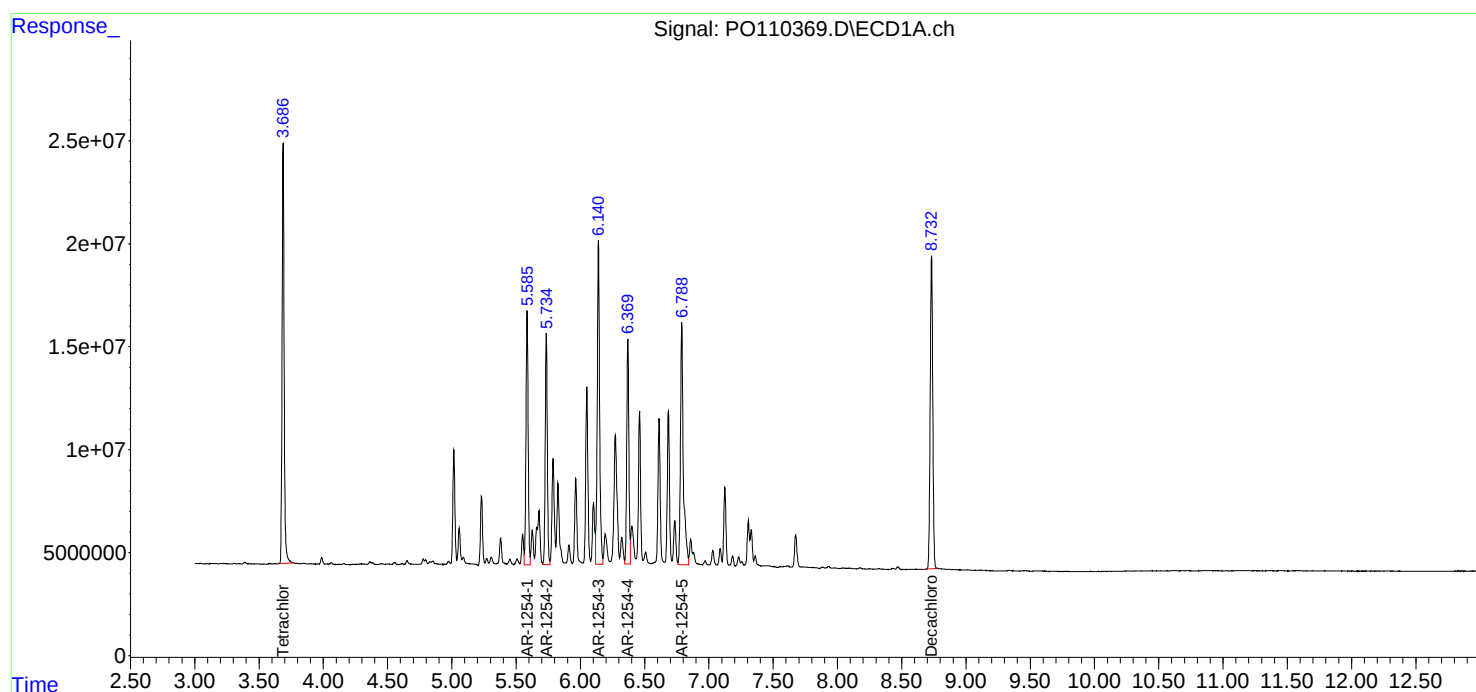
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

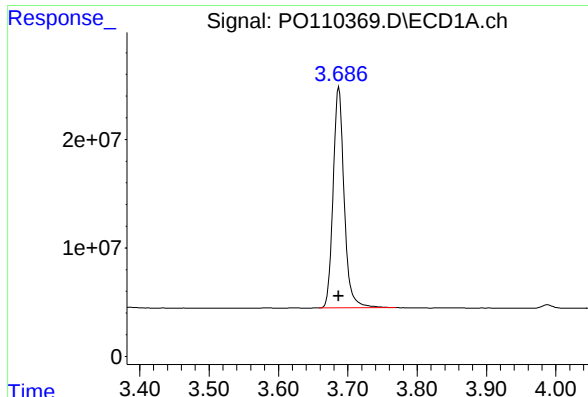
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 15:43
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 16:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 16:25:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

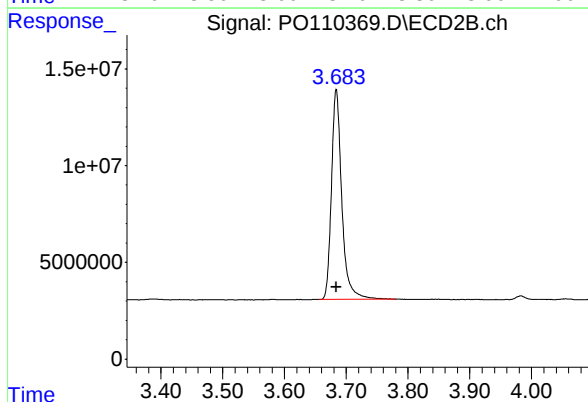




#1 Tetrachloro-m-xylene

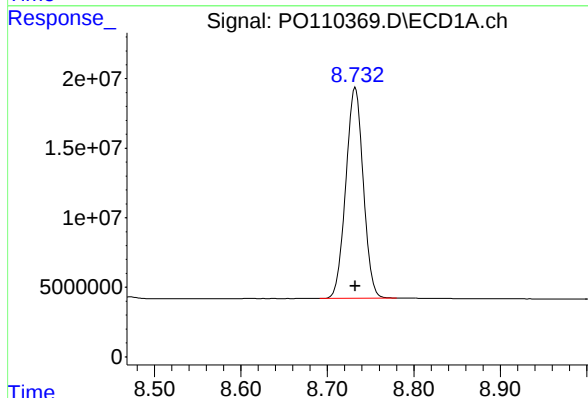
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 224366749
Conc: 25.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



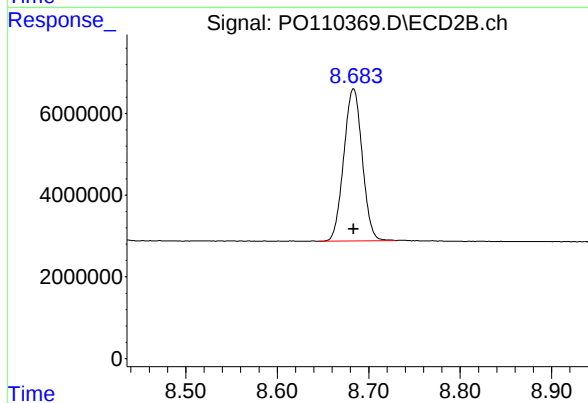
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 126451974
Conc: 25.60 ng/ml



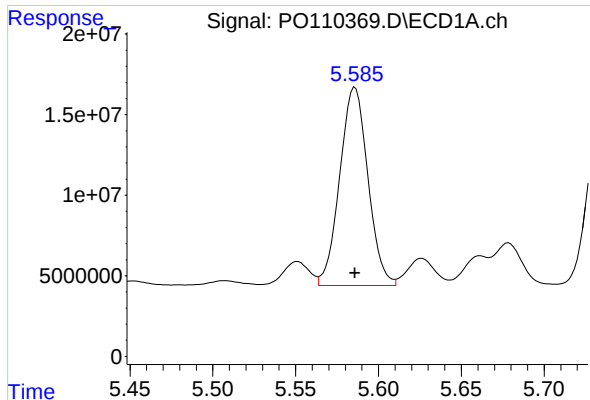
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 211976479
Conc: 26.40 ng/ml



#2 Decachlorobiphenyl

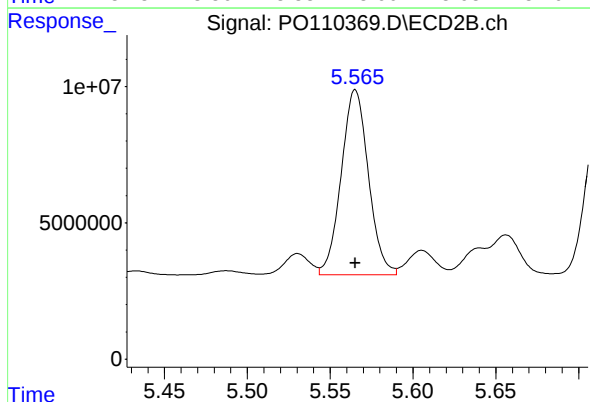
R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 52144786
Conc: 27.98 ng/ml



#26 AR-1254-1

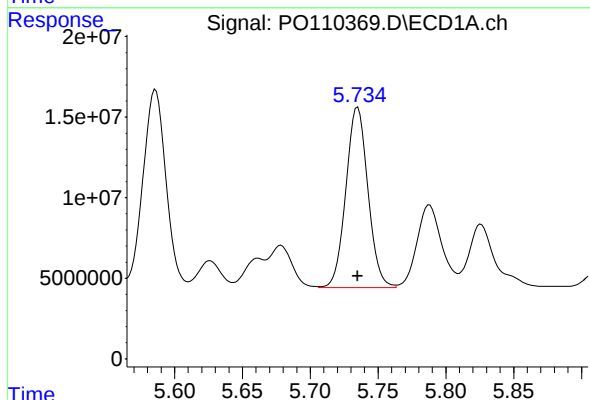
R.T.: 5.586 min
Delta R.T.: 0.000 min
Response: 145406737
Conc: 265.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



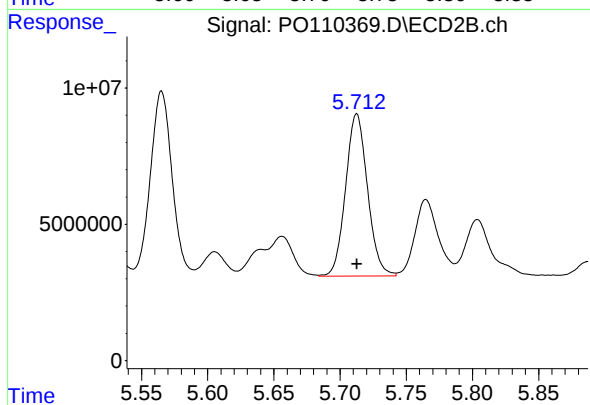
#26 AR-1254-1

R.T.: 5.565 min
Delta R.T.: 0.000 min
Response: 77697153
Conc: 266.07 ng/ml



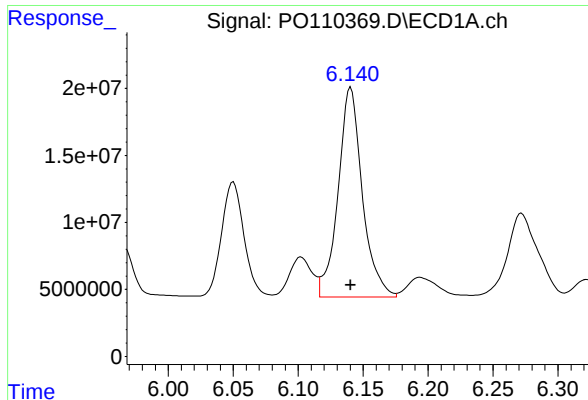
#27 AR-1254-2

R.T.: 5.735 min
Delta R.T.: 0.000 min
Response: 126692531
Conc: 266.21 ng/ml



#27 AR-1254-2

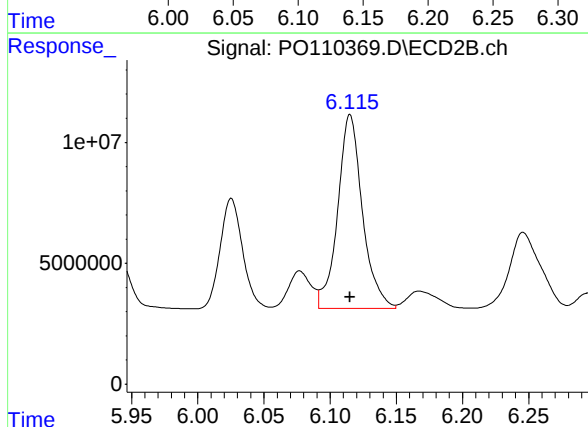
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 68670177
Conc: 268.79 ng/ml



#28 AR-1254-3

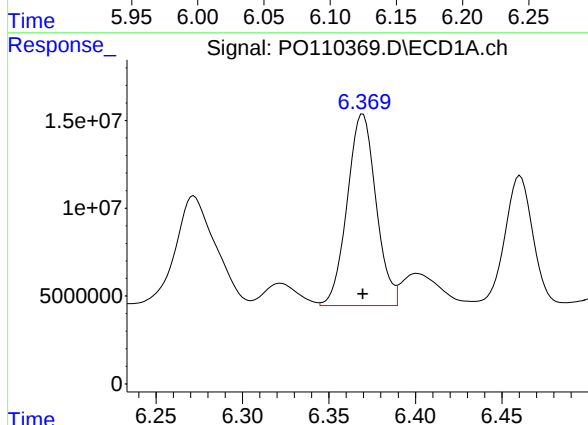
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 202780419
Conc: 261.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



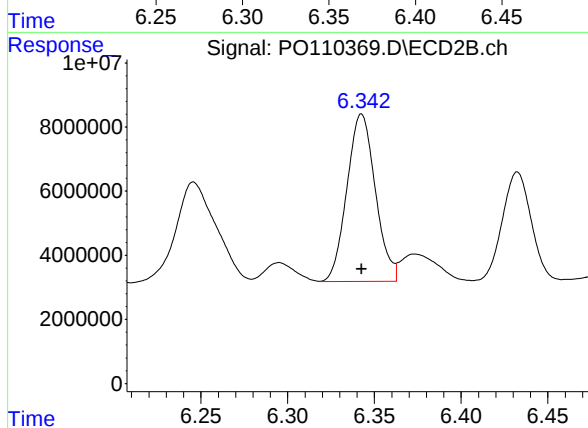
#28 AR-1254-3

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 104355598
Conc: 261.97 ng/ml



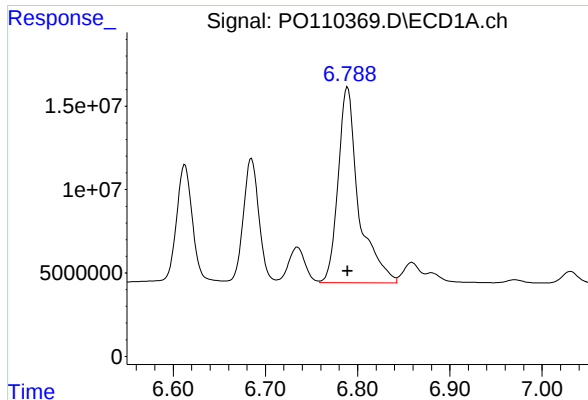
#29 AR-1254-4

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 126348606
Conc: 261.91 ng/ml



#29 AR-1254-4

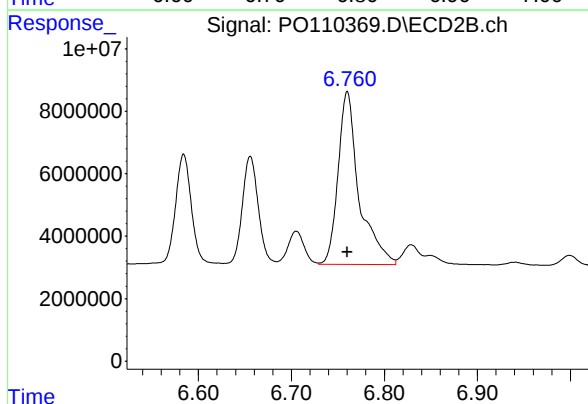
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 59656850
Conc: 263.33 ng/ml



#30 AR-1254-5

R.T.: 6.789 min
Delta R.T.: 0.000 min
Response: 181141571
Conc: 262.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 86716902
Conc: 265.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110370.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 16:02
 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: Apr 10 16:28:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 16:28:14 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...	3.688	3.685	41787473	23807736	4.800	4.855
2) SA Decachlor...	8.732	8.682	43595137	10662424	5.337	5.561
Target Compounds						
26) L6 AR-1254-1	5.587	5.566	29959251	16970498	53.691	56.287
27) L6 AR-1254-2	5.736	5.713	26243794	15074639	54.033	56.953
28) L6 AR-1254-3	6.141	6.115	40497442	21185447	51.706	52.515
29) L6 AR-1254-4	6.370	6.343	25419174	12119451	52.131	52.759
30) L6 AR-1254-5	6.790	6.760	37285913	17832984	53.197	53.667

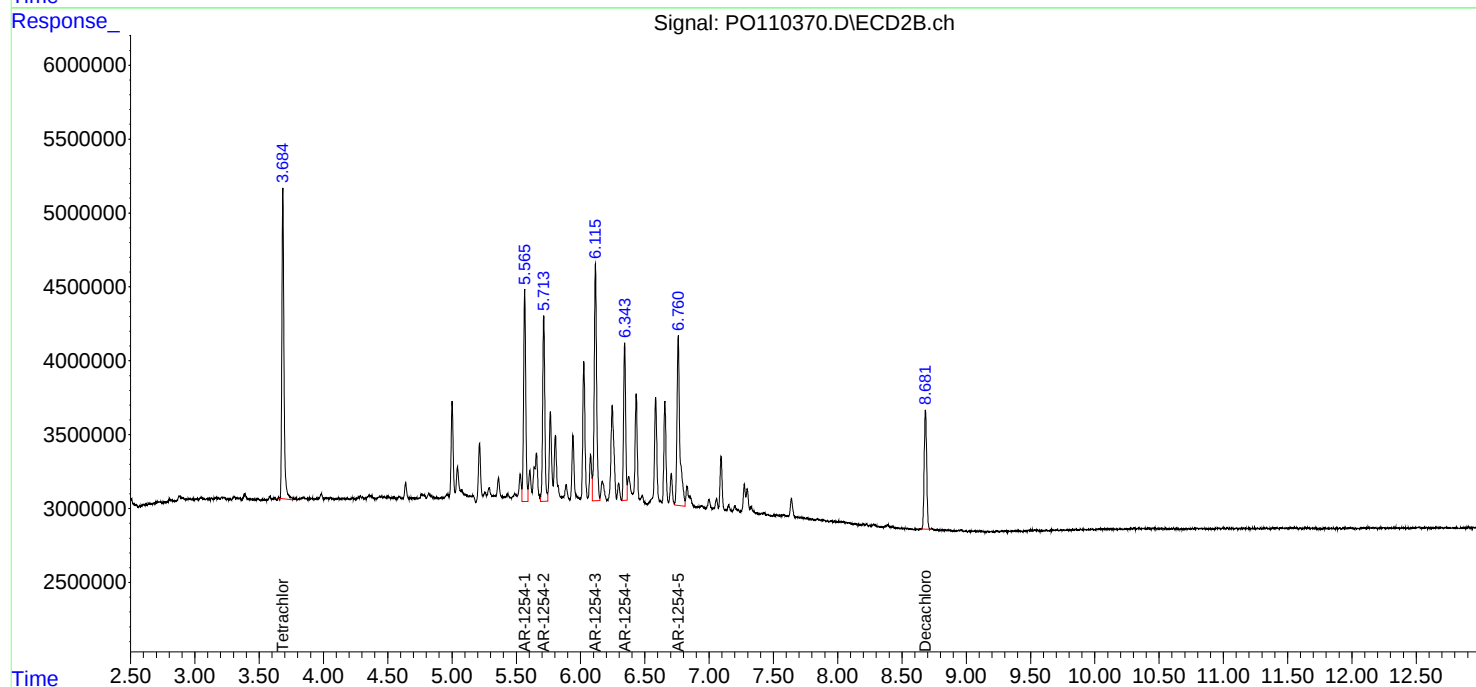
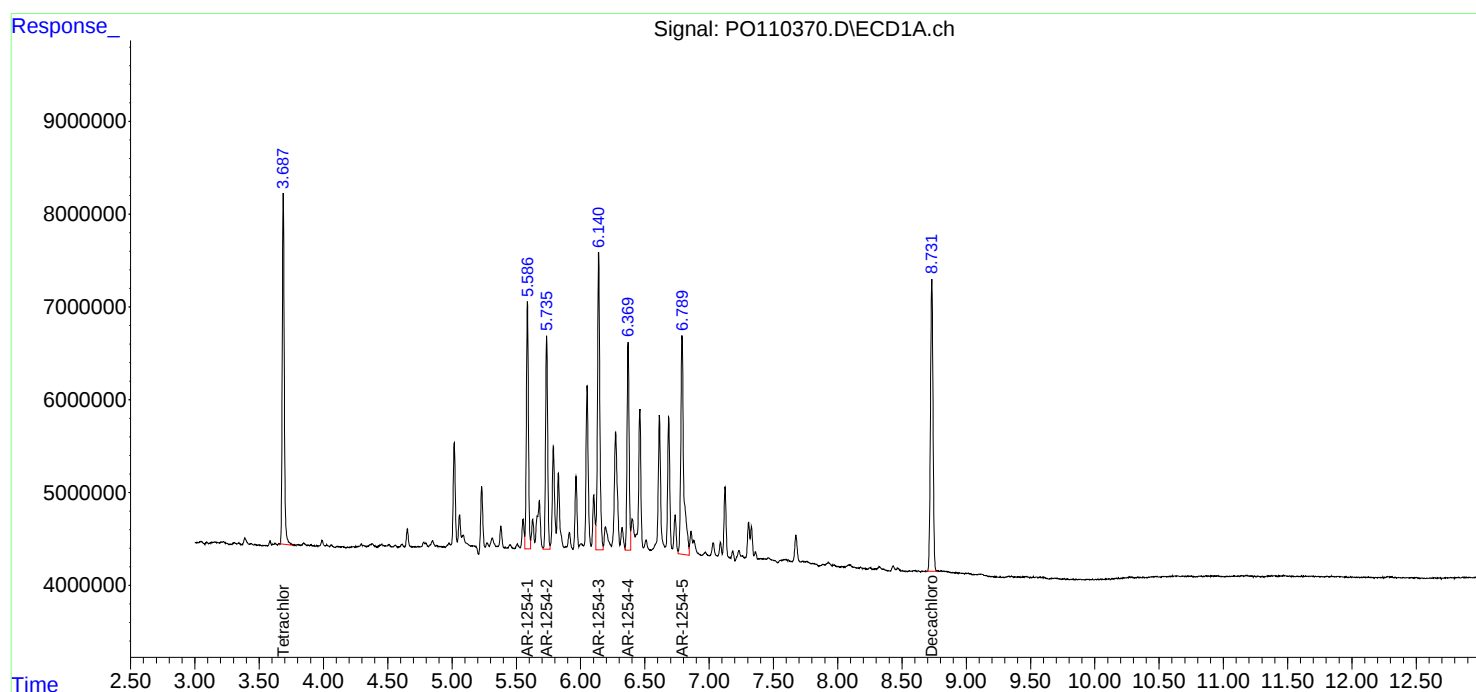
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

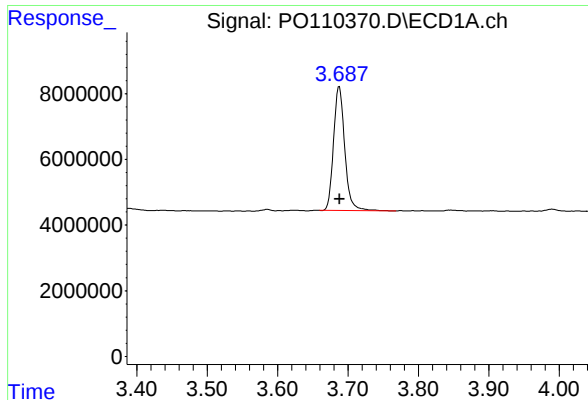
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 16:02
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 16:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 16:28:14 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

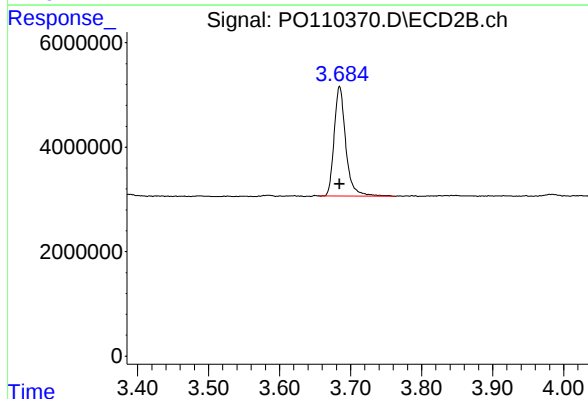




#1 Tetrachloro-m-xylene

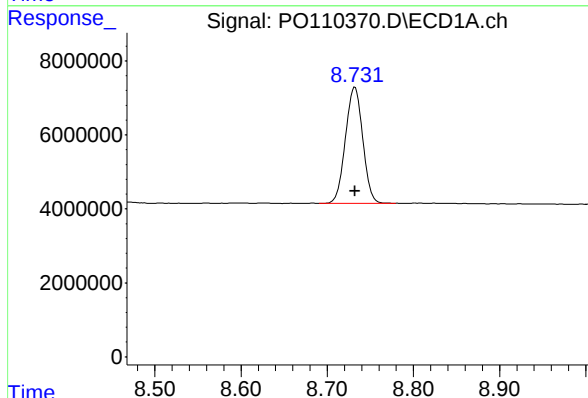
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 41787473
Conc: 4.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



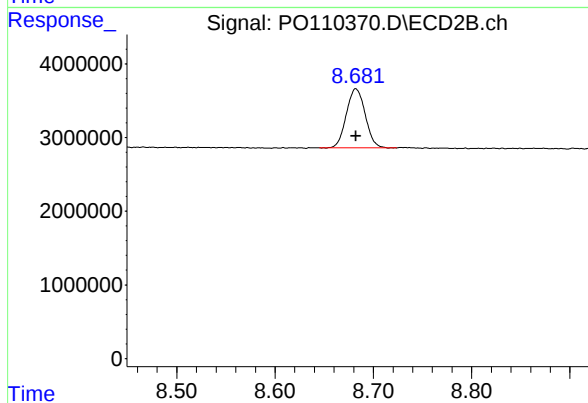
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 23807736
Conc: 4.86 ng/ml



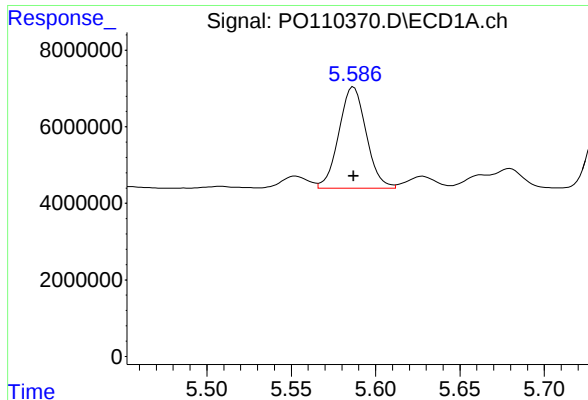
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 43595137
Conc: 5.34 ng/ml



#2 Decachlorobiphenyl

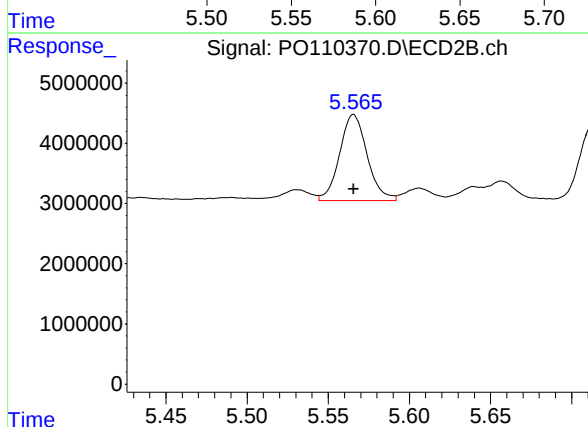
R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 10662424
Conc: 5.56 ng/ml



#26 AR-1254-1

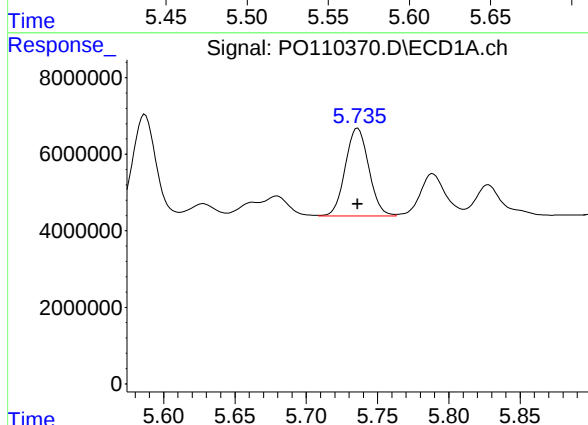
R.T.: 5.587 min
Delta R.T.: 0.000 min
Response: 29959251
Conc: 53.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



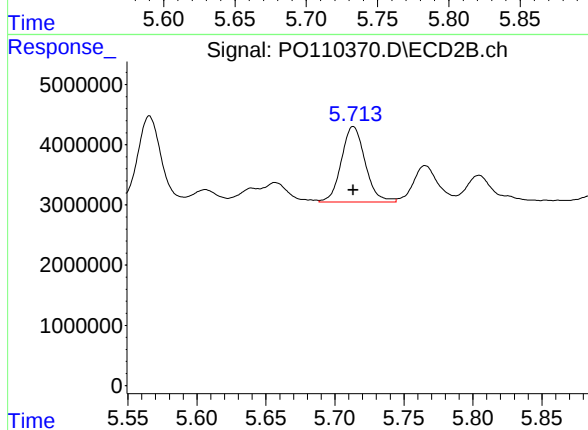
#26 AR-1254-1

R.T.: 5.566 min
Delta R.T.: 0.000 min
Response: 16970498
Conc: 56.29 ng/ml



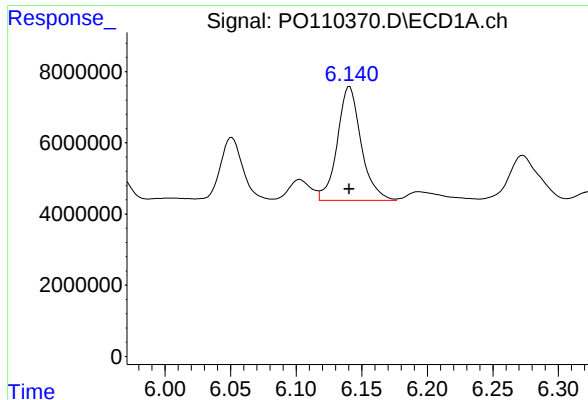
#27 AR-1254-2

R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 26243794
Conc: 54.03 ng/ml



#27 AR-1254-2

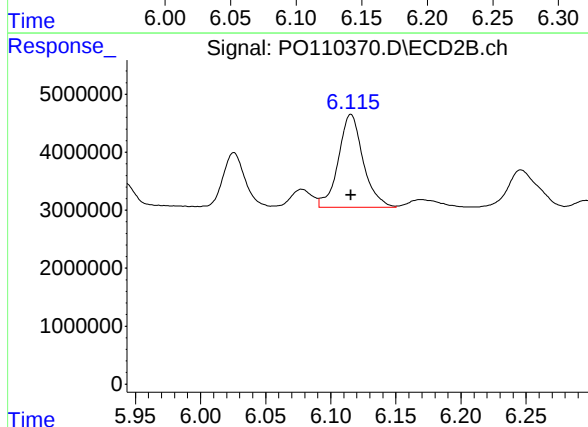
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 15074639
Conc: 56.95 ng/ml



#28 AR-1254-3

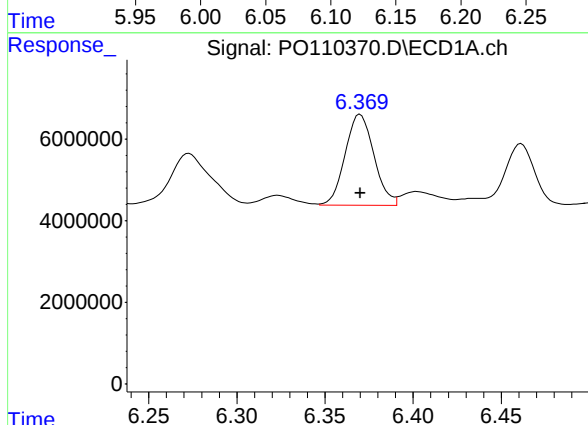
R.T.: 6.141 min
Delta R.T.: 0.000 min
Response: 40497442
Conc: 51.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254\ICC050



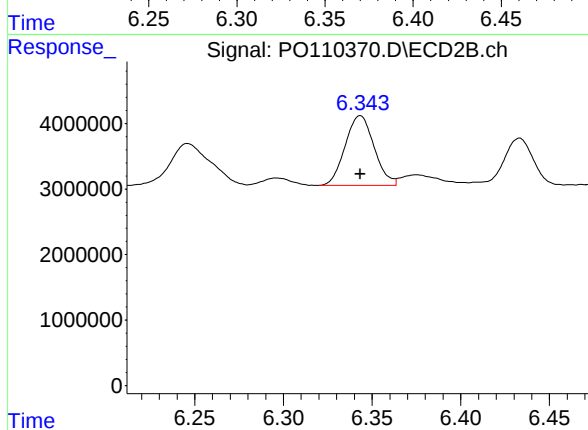
#28 AR-1254-3

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 21185447
Conc: 52.52 ng/ml



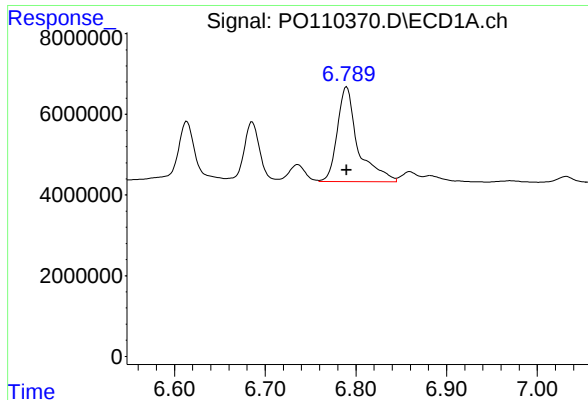
#29 AR-1254-4

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 25419174
Conc: 52.13 ng/ml



#29 AR-1254-4

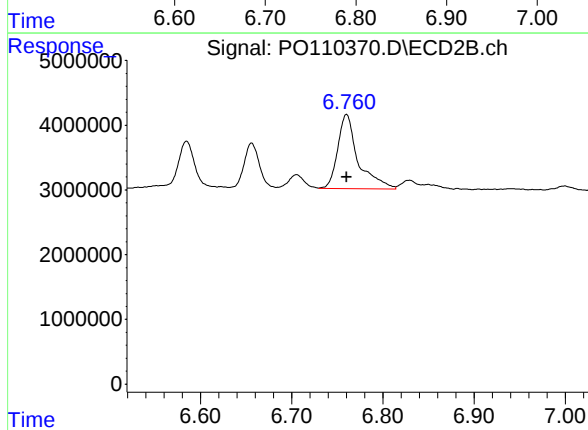
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 12119451
Conc: 52.76 ng/ml



#30 AR-1254-5

R.T.: 6.790 min
Delta R.T.: 0.000 min
Response: 37285913
Conc: 53.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 17832984
Conc: 53.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110371.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 16:20
 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: Apr 10 16:33:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 16:33:00 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.685	436.1E6	244.3E6	50.000	50.000
2) SA Decachlor...	8.732	8.684	395.3E6	92706545	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.829	6.799	350.7E6	164.7E6	500.000	500.000
37) L8 AR-1262-2	7.331	7.298	603.9E6	254.2E6	500.000	500.000
38) L8 AR-1262-3	7.615	7.581	254.6E6	96815138	500.000	500.000
39) L8 AR-1262-4	7.679	7.644	448.1E6	173.5E6	500.000	500.000
40) L8 AR-1262-5	8.175	8.137	201.5E6	62297516	500.000	500.000

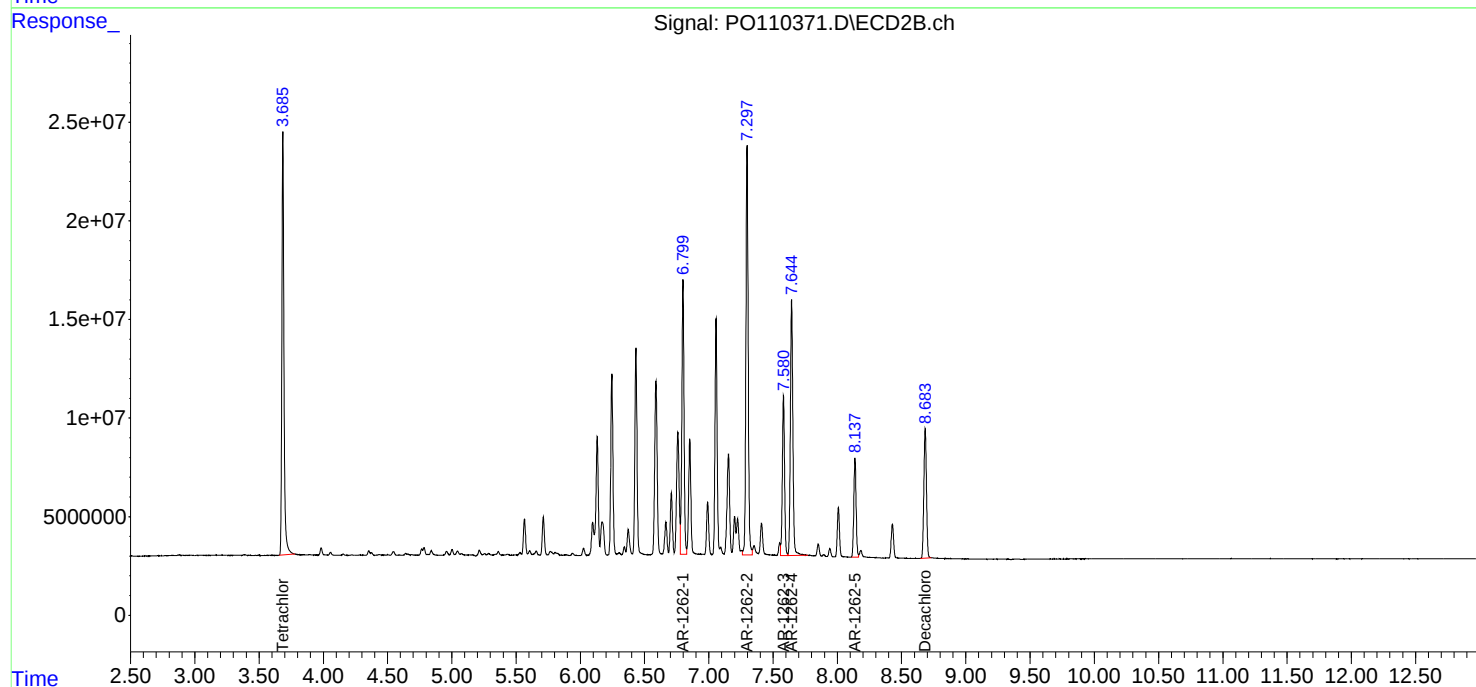
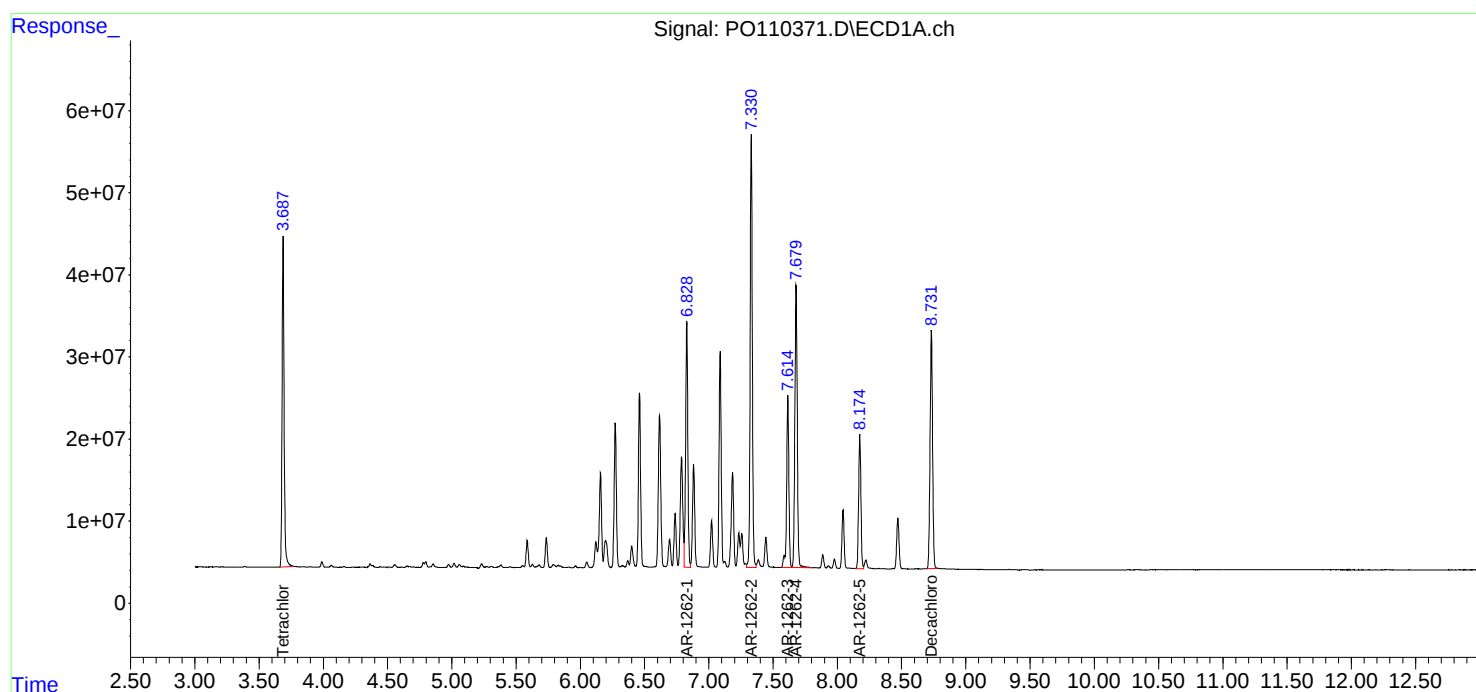
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

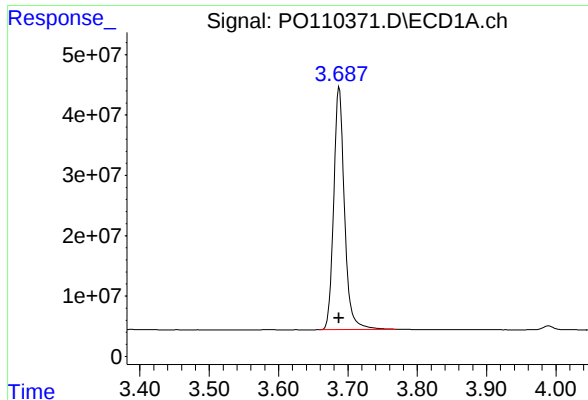
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 16:20
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 16:33:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 16:33:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

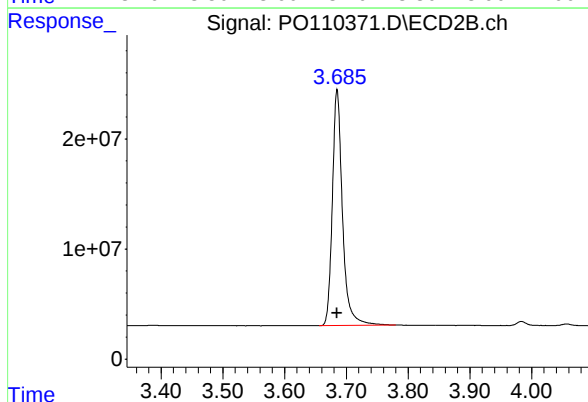




#1 Tetrachloro-m-xylene

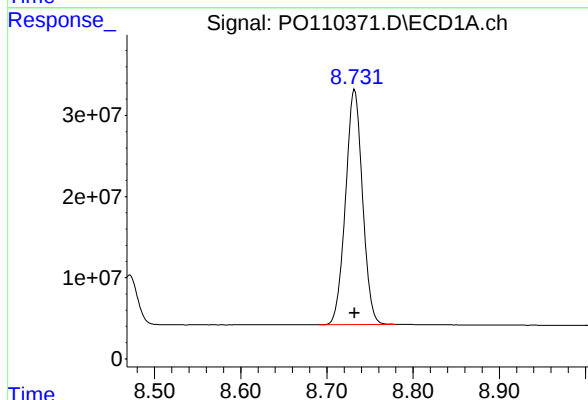
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 436096183
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



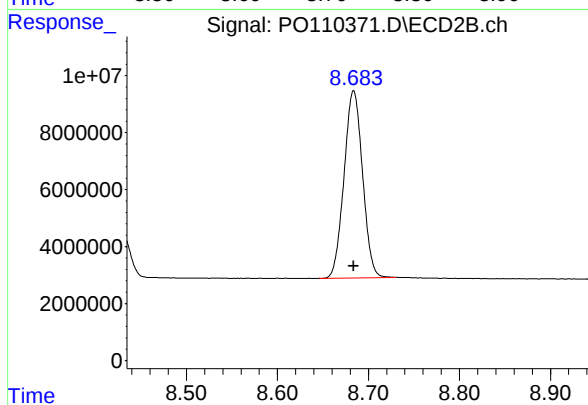
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 244331831
Conc: 50.00 ng/ml



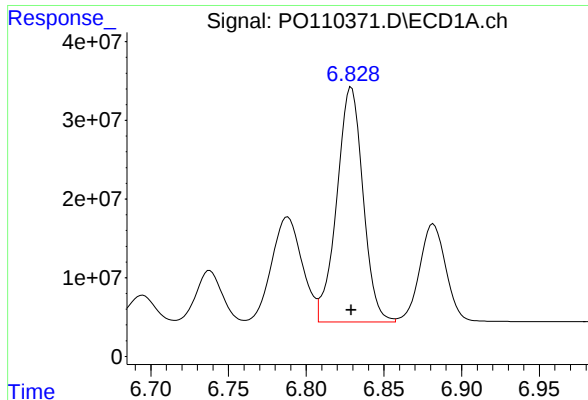
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 395295598
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

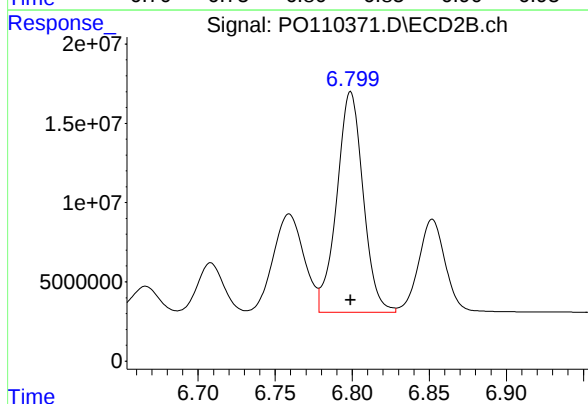
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 92706545
Conc: 50.00 ng/ml



#36 AR-1262-1

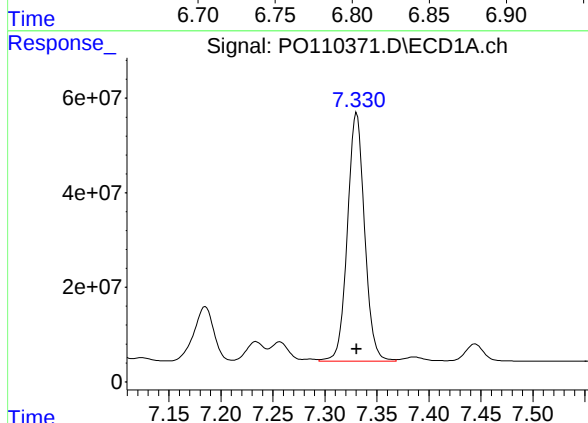
R.T.: 6.829 min
Delta R.T.: 0.000 min
Response: 350729274
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



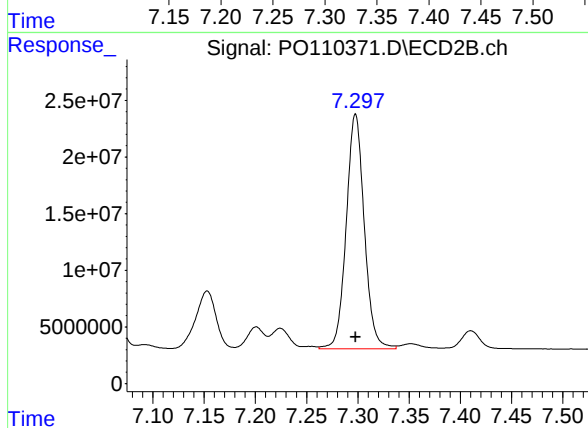
#36 AR-1262-1

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 164669723
Conc: 500.00 ng/ml



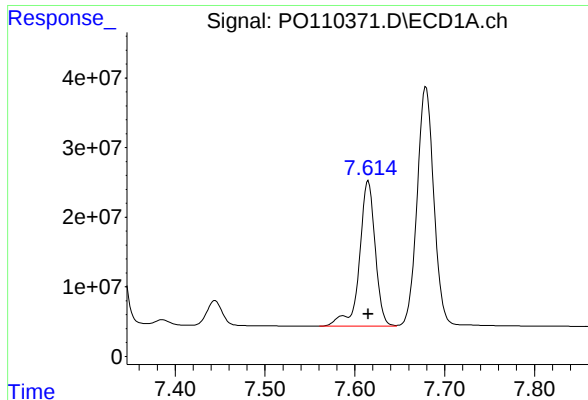
#37 AR-1262-2

R.T.: 7.331 min
Delta R.T.: 0.000 min
Response: 603868004
Conc: 500.00 ng/ml



#37 AR-1262-2

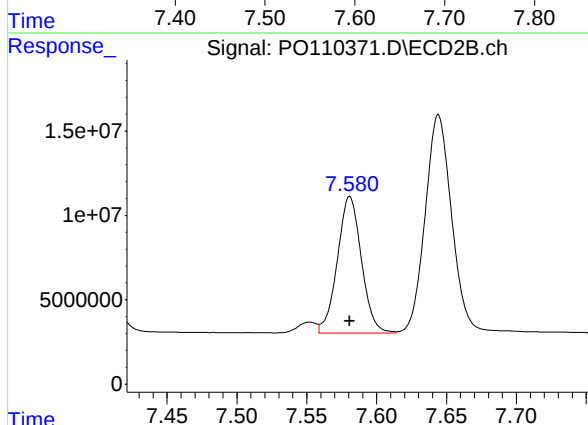
R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 254228551
Conc: 500.00 ng/ml



#38 AR-1262-3

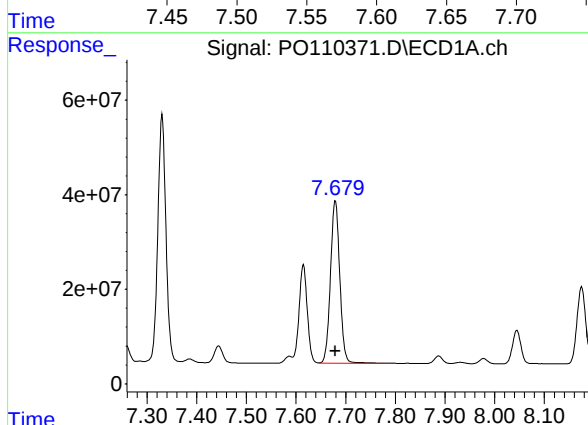
R.T.: 7.615 min
Delta R.T.: 0.000 min
Response: 254551820
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



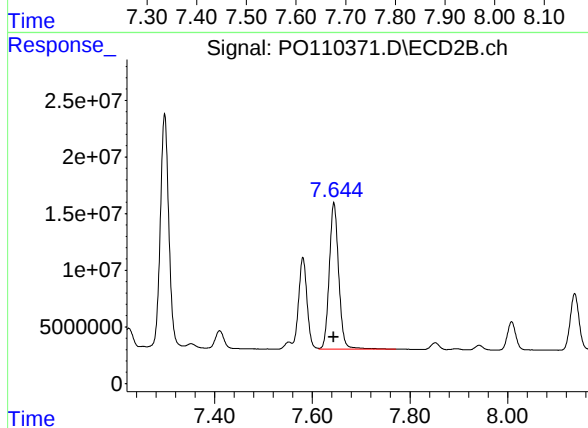
#38 AR-1262-3

R.T.: 7.581 min
Delta R.T.: 0.000 min
Response: 96815138
Conc: 500.00 ng/ml



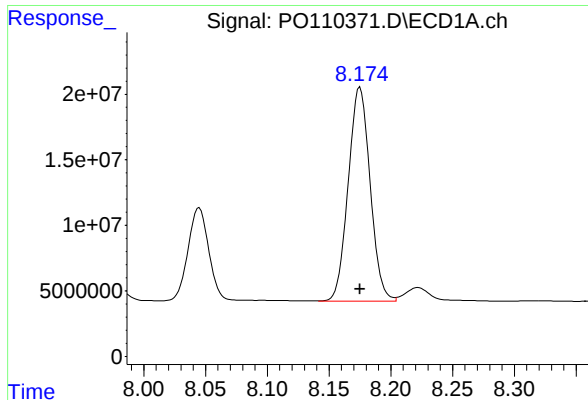
#39 AR-1262-4

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 448136894
Conc: 500.00 ng/ml



#39 AR-1262-4

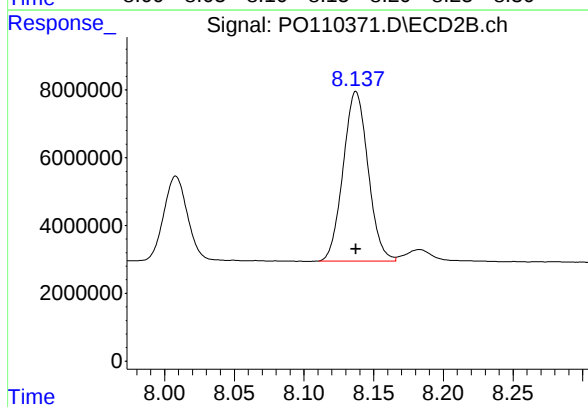
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 173526656
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.175 min
Delta R.T.: 0.000 min
Response: 201497456
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 62297516
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110372.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 16:38
 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: Apr 10 18:27:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:23:57 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...	3.688	3.684	884.3E6	497.4E6	102.204	102.064
2) SA Decachlor...	8.732	8.684	1400.9E6	301.8E6	98.671	95.869
Target Compounds						
41) L9 AR-1268-1	7.615	7.581	1383.6E6	525.2E6	990.863	980.668
42) L9 AR-1268-2	7.680	7.646	1284.7E6	480.6E6	996.216	982.242
43) L9 AR-1268-3	7.887	7.852	1040.5E6	351.9E6	994.813	974.012
44) L9 AR-1268-4	8.175	8.137	443.2E6	132.4E6	1001.524	967.863
45) L9 AR-1268-5	8.471	8.429	3289.1E6	751.7E6	1000.454	973.760

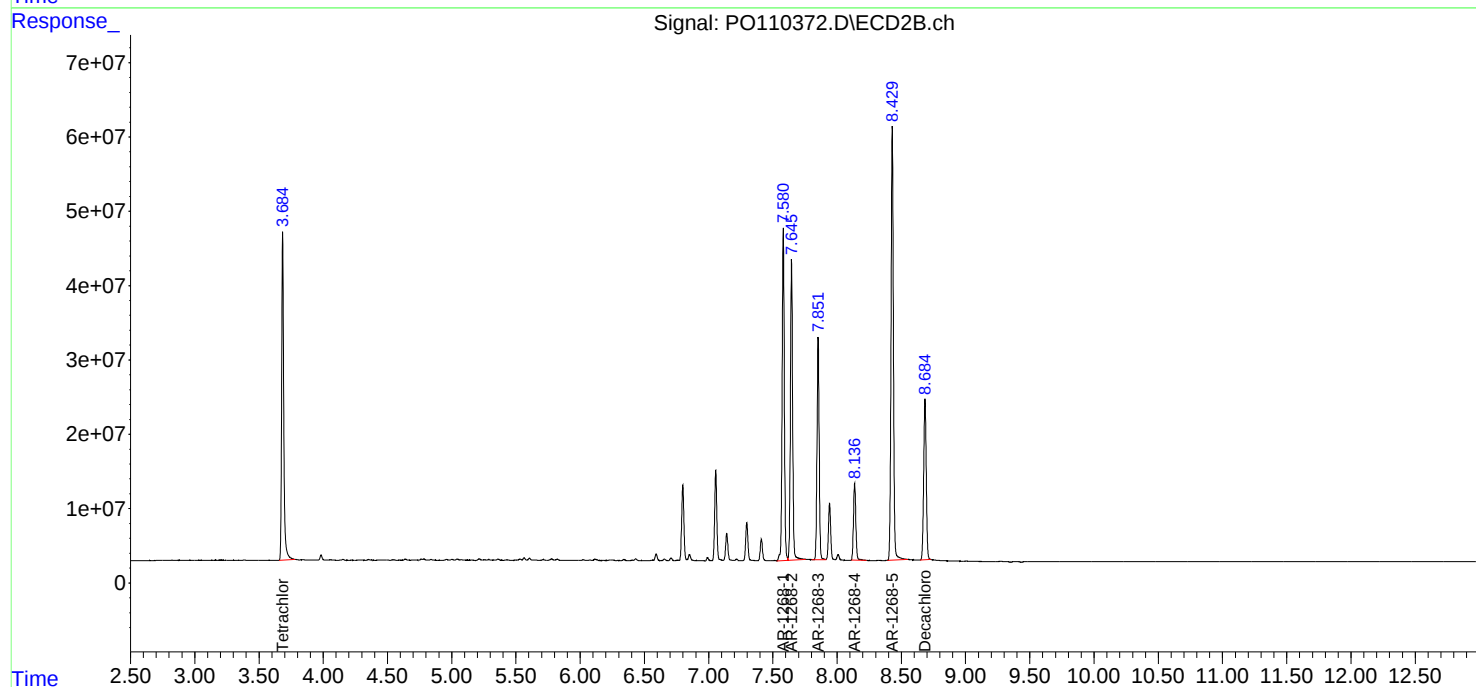
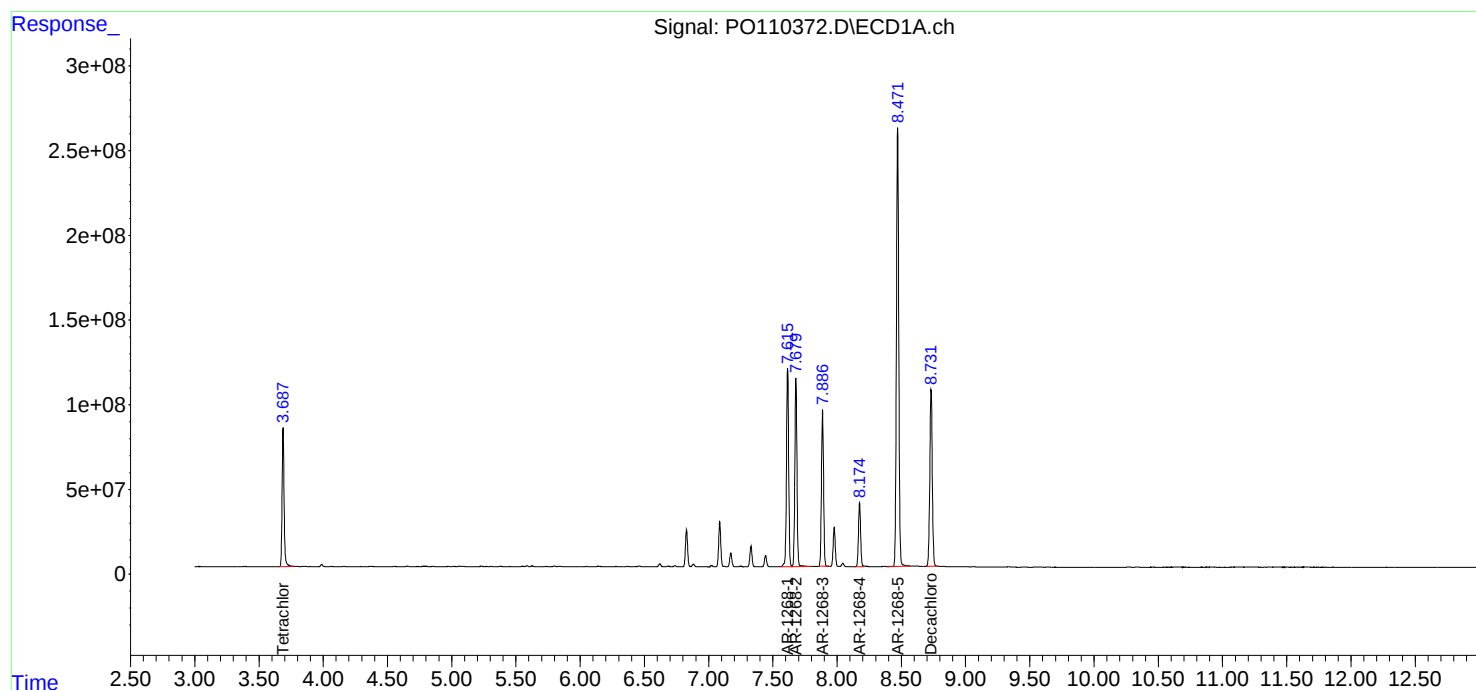
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

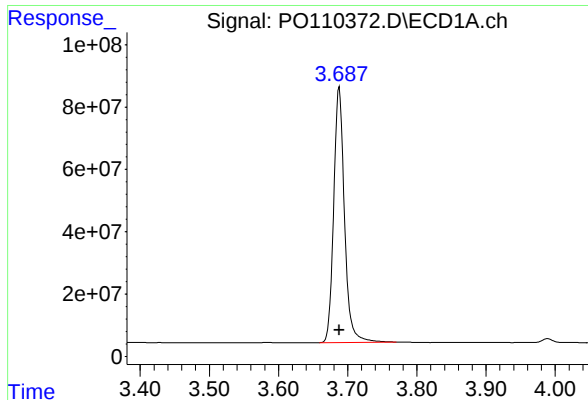
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 16:38
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 18:27:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:23:57 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

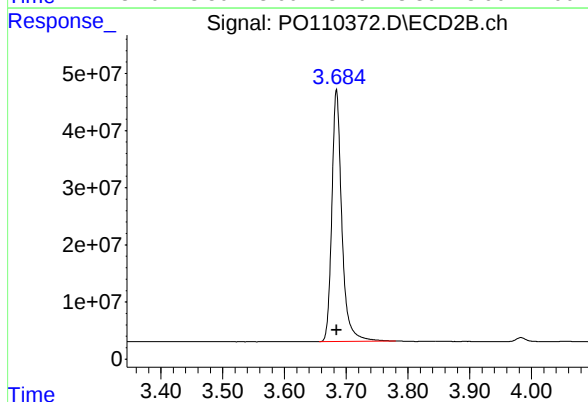




#1 Tetrachloro-m-xylene

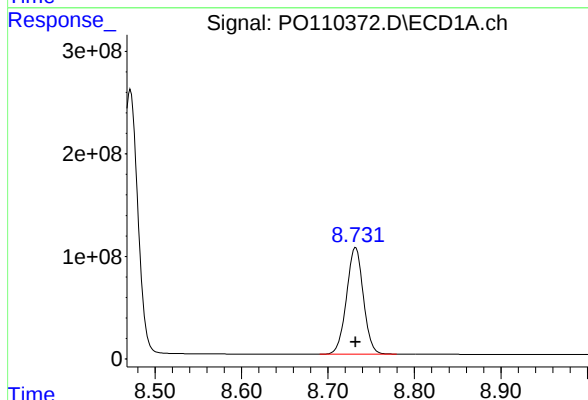
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 884275602
Conc: 102.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



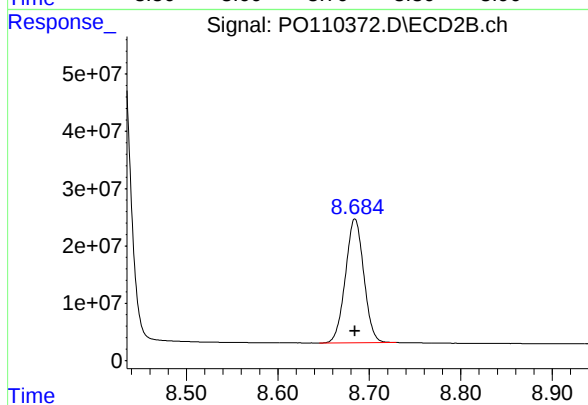
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 497380509
Conc: 102.06 ng/ml



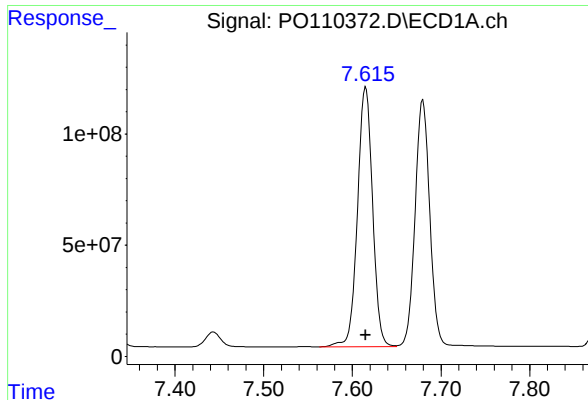
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 1400878204
Conc: 98.67 ng/ml



#2 Decachlorobiphenyl

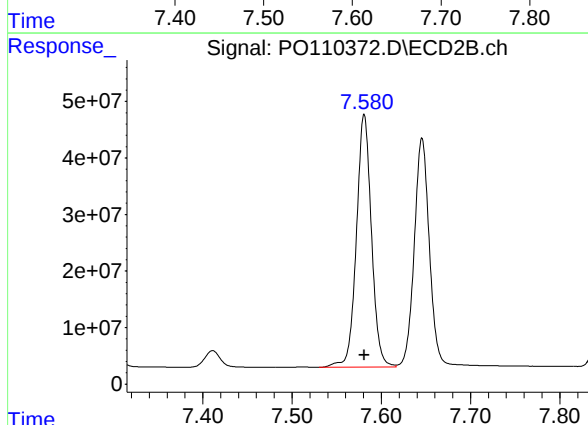
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 301839224
Conc: 95.87 ng/ml



#41 AR-1268-1

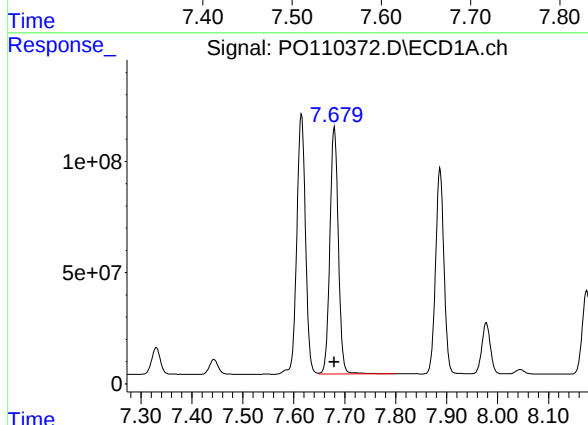
R.T.: 7.615 min
Delta R.T.: 0.000 min
Response: 1383597022
Conc: 990.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



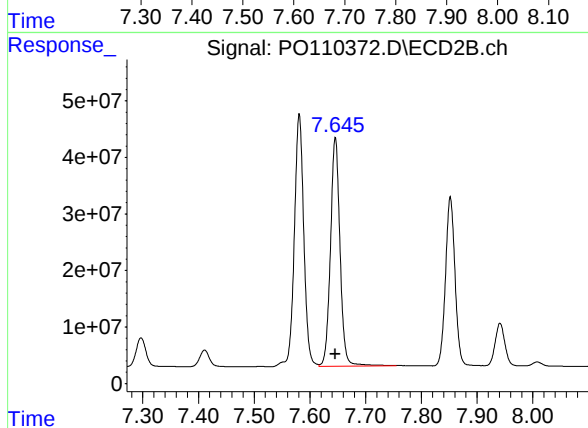
#41 AR-1268-1

R.T.: 7.581 min
Delta R.T.: 0.000 min
Response: 525182929
Conc: 980.67 ng/ml



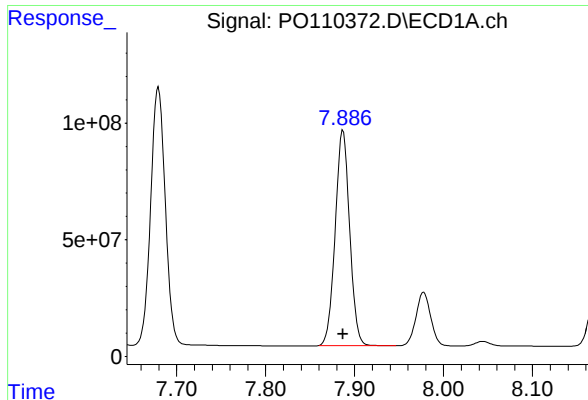
#42 AR-1268-2

R.T.: 7.680 min
Delta R.T.: 0.000 min
Response: 1284666762
Conc: 996.22 ng/ml



#42 AR-1268-2

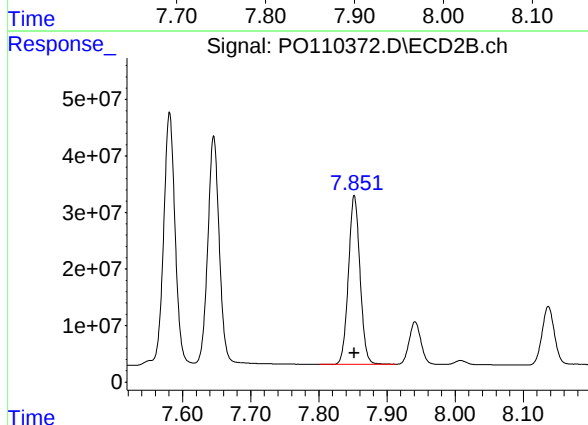
R.T.: 7.646 min
Delta R.T.: 0.000 min
Response: 480641047
Conc: 982.24 ng/ml



#43 AR-1268-3

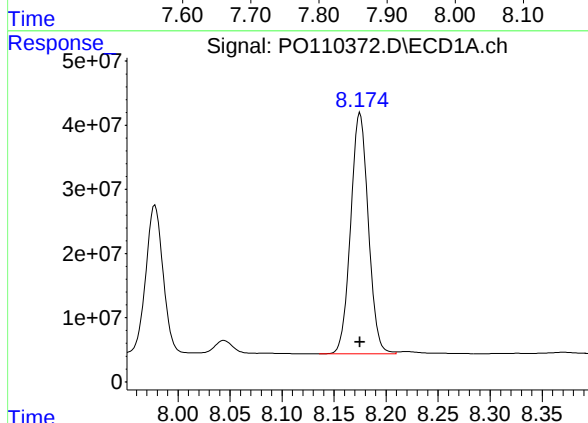
R.T.: 7.887 min
Delta R.T.: 0.000 min
Response: 1040477449
Conc: 994.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



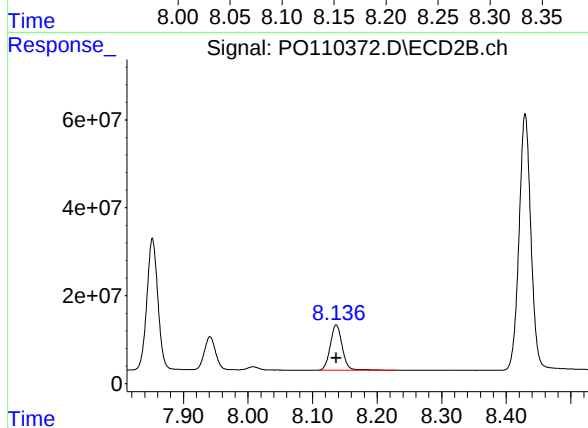
#43 AR-1268-3

R.T.: 7.852 min
Delta R.T.: 0.000 min
Response: 351934435
Conc: 974.01 ng/ml



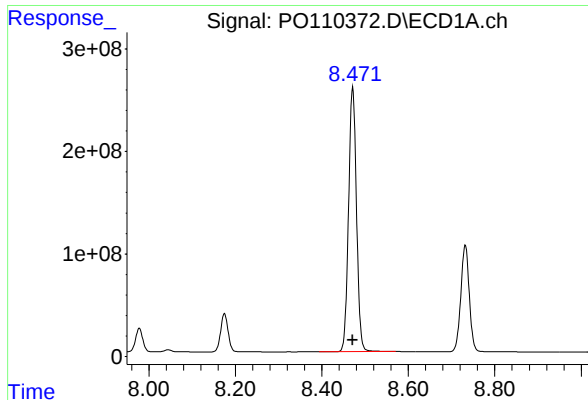
#44 AR-1268-4

R.T.: 8.175 min
Delta R.T.: 0.000 min
Response: 443191011
Conc: 1001.52 ng/ml



#44 AR-1268-4

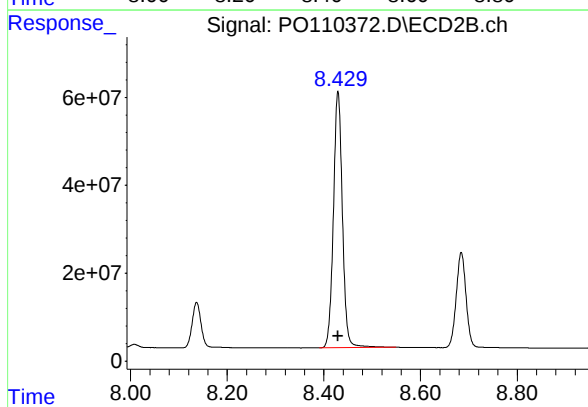
R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 132381746
Conc: 967.86 ng/ml



#45 AR-1268-5

R.T.: 8.471 min
Delta R.T.: 0.000 min
Response: 3289098269
Conc: 1000.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.429 min
Delta R.T.: 0.000 min
Response: 751733306
Conc: 973.76 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110373.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 16:57
 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: Apr 10 18:31:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:23:57 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...	3.687	3.684	651.4E6	366.7E6	75.195	75.170
2) SA Decachlor...	8.730	8.684	1067.4E6	237.5E6	75.123	75.295
Target Compounds						
41) L9 AR-1268-1	7.614	7.580	1047.9E6	404.2E6	750.320	753.161
42) L9 AR-1268-2	7.679	7.645	973.0E6	367.9E6	752.993	751.271
43) L9 AR-1268-3	7.886	7.851	784.9E6	272.0E6	750.332	751.923
44) L9 AR-1268-4	8.174	8.137	317.2E6	102.1E6	727.594	747.479
45) L9 AR-1268-5	8.472	8.428	2465.3E6	581.7E6	749.920	752.311

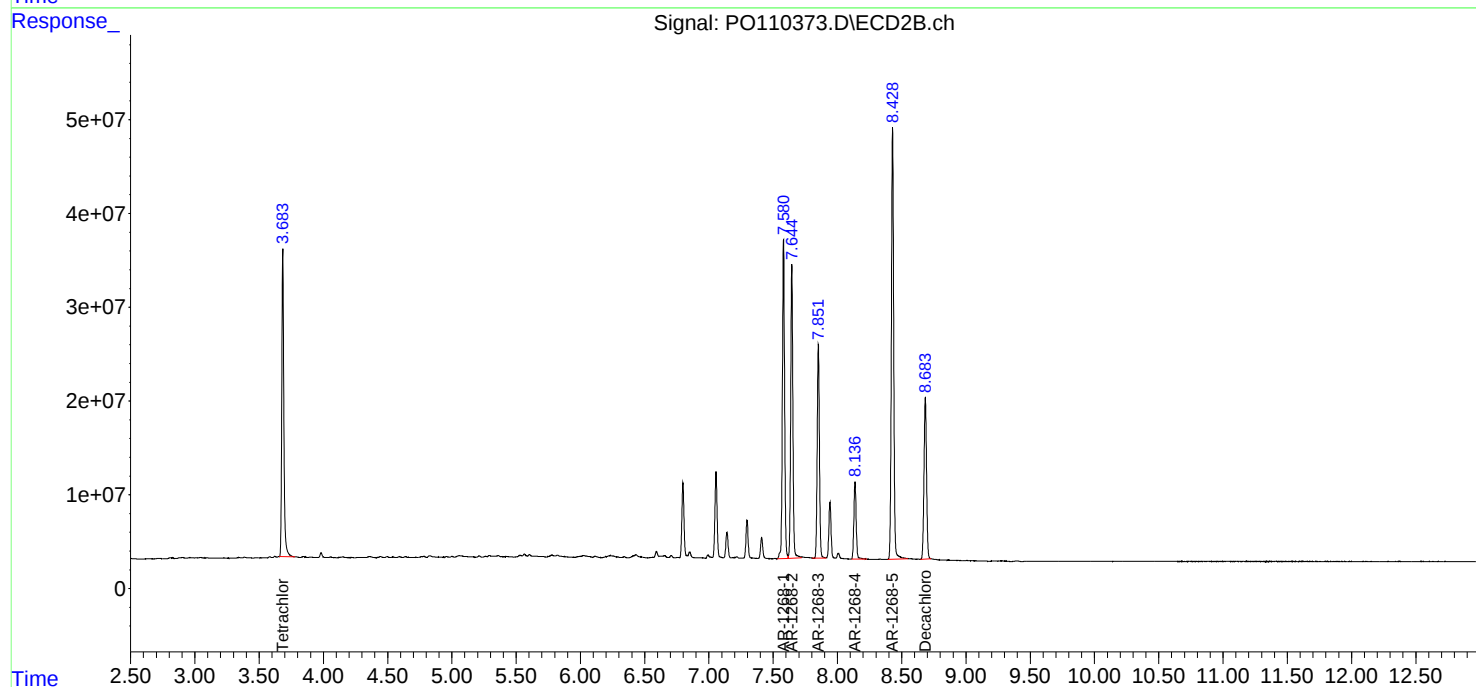
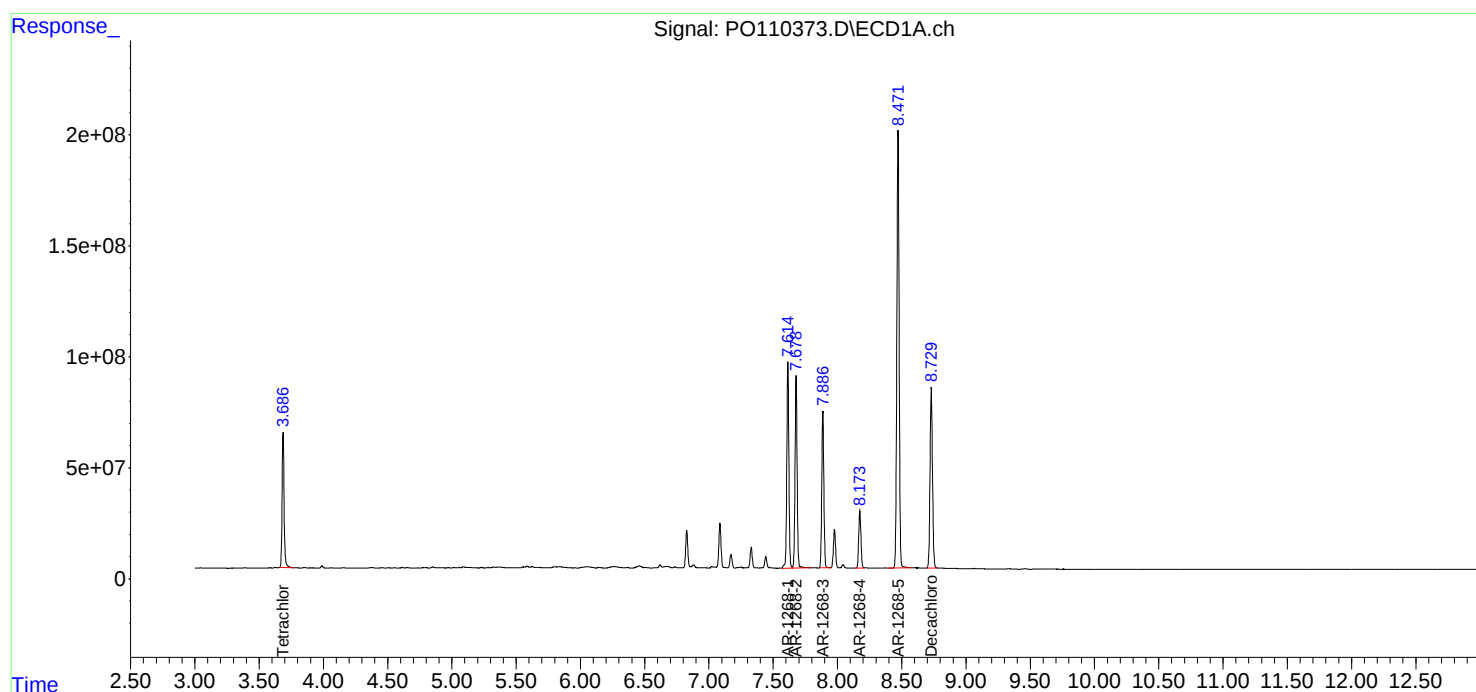
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

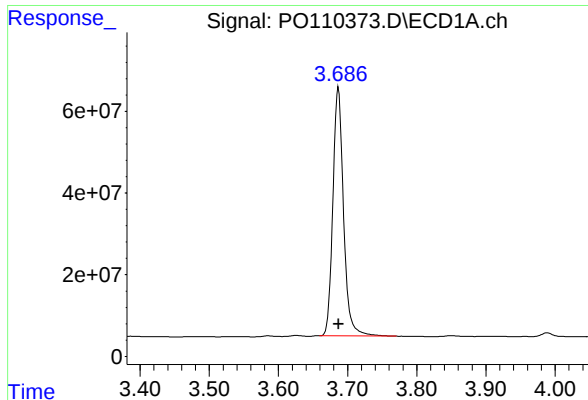
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 16:57
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 18:31:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:23:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

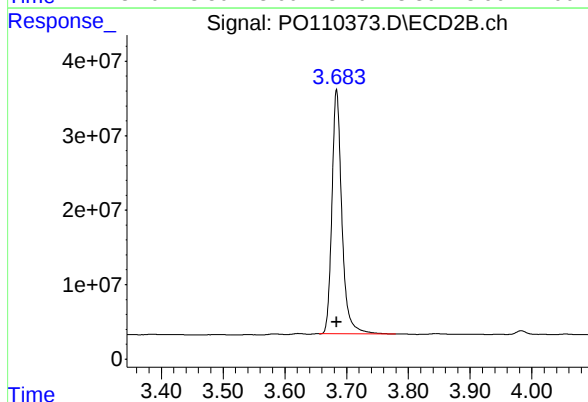




#1 Tetrachloro-m-xylene

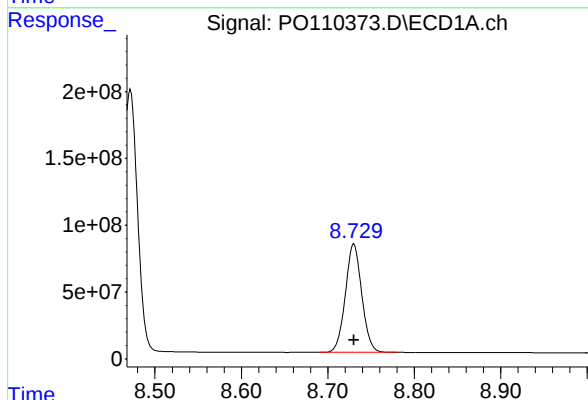
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 651437343
Conc: 75.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



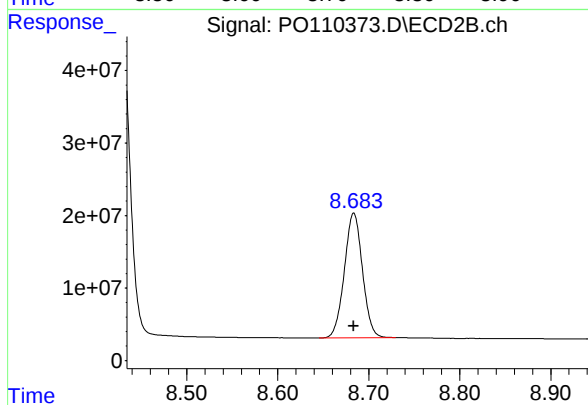
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 366737670
Conc: 75.17 ng/ml



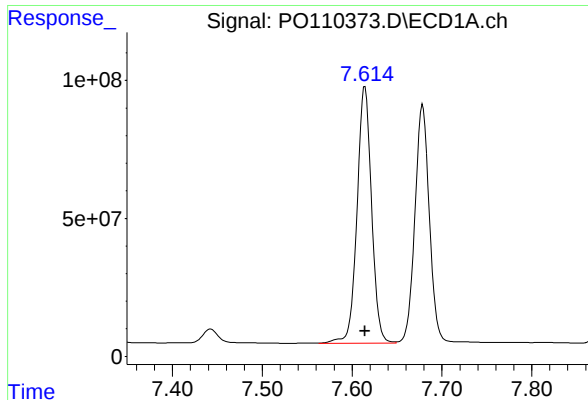
#2 Decachlorobiphenyl

R.T.: 8.730 min
Delta R.T.: 0.000 min
Response: 1067430568
Conc: 75.12 ng/ml



#2 Decachlorobiphenyl

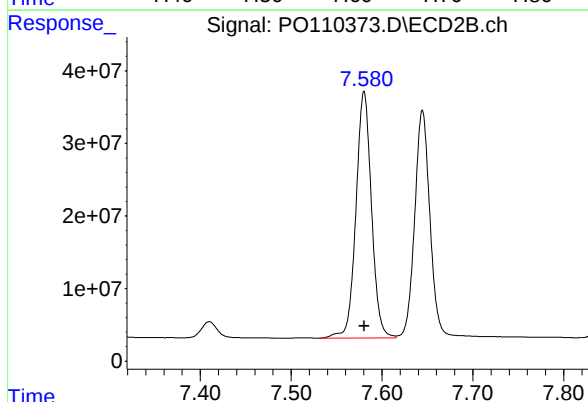
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 237530036
Conc: 75.30 ng/ml



#41 AR-1268-1

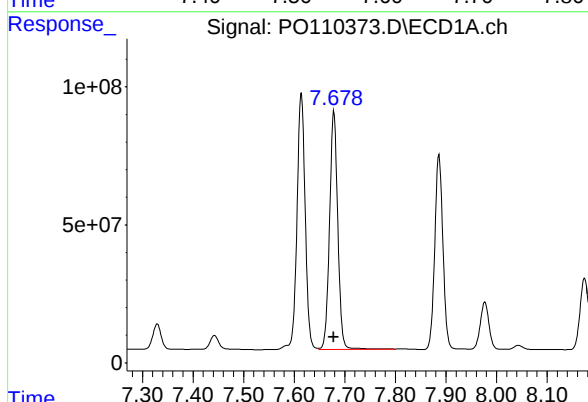
R.T.: 7.614 min
Delta R.T.: 0.000 min
Response: 1047935900
Conc: 750.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



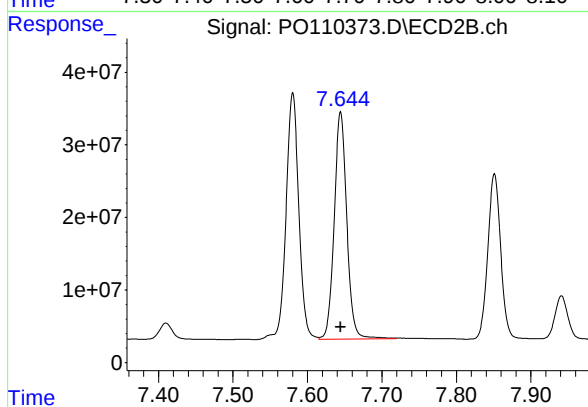
#41 AR-1268-1

R.T.: 7.580 min
Delta R.T.: 0.000 min
Response: 404196449
Conc: 753.16 ng/ml



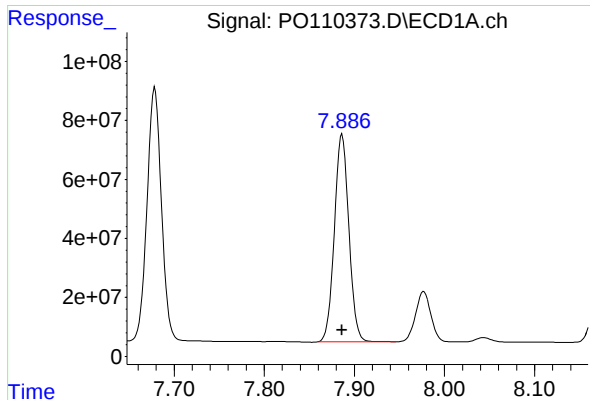
#42 AR-1268-2

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 972960332
Conc: 752.99 ng/ml



#42 AR-1268-2

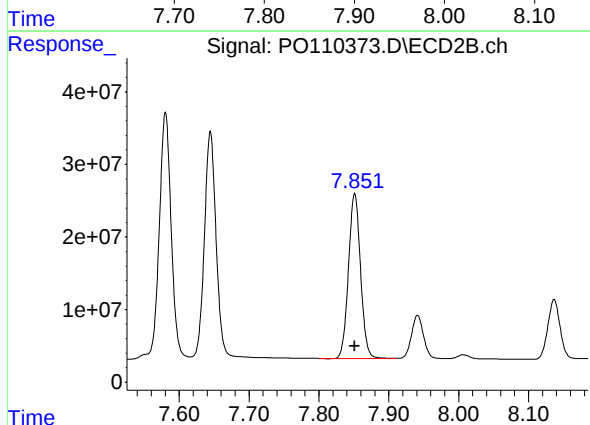
R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 367932036
Conc: 751.27 ng/ml



#43 AR-1268-3

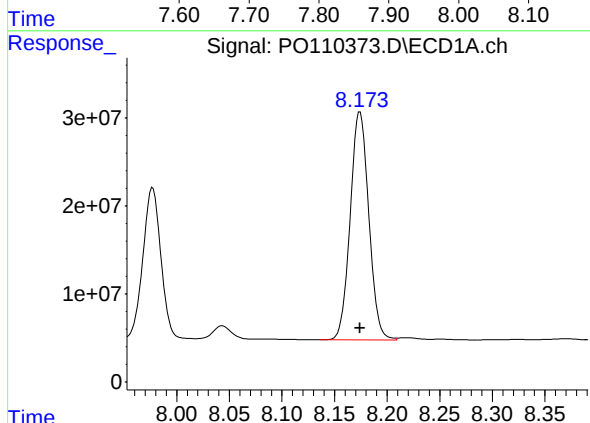
R.T.: 7.886 min
Delta R.T.: 0.000 min
Response: 784947577
Conc: 750.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



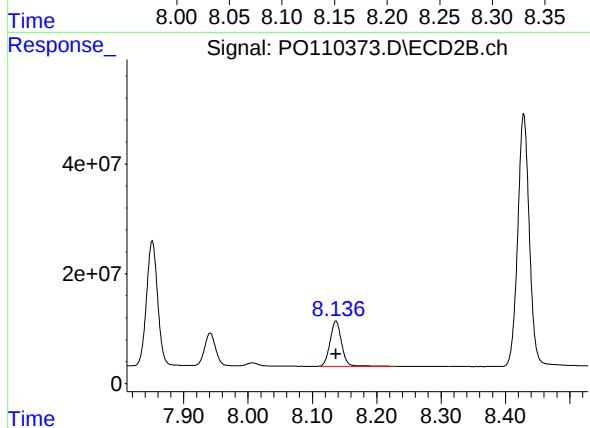
#43 AR-1268-3

R.T.: 7.851 min
Delta R.T.: 0.000 min
Response: 272037162
Conc: 751.92 ng/ml



#44 AR-1268-4

R.T.: 8.174 min
Delta R.T.: 0.000 min
Response: 317233528
Conc: 727.59 ng/ml



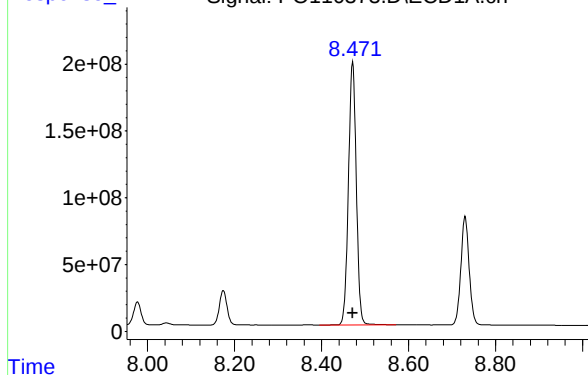
#44 AR-1268-4

R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 102066560
Conc: 747.48 ng/ml

Response_

Signal: PO110373.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.472 min

Delta R.T.: 0.000 min

Response: 2465307486

Conc: 749.92 ng/ml

Instrument :

ECD_O

ClientSampleId :

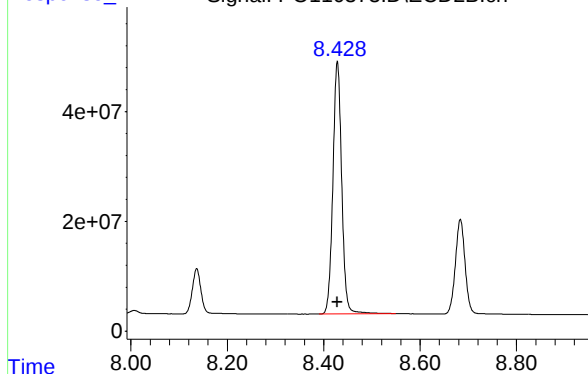
AR1268ICC750

Time

Response_

Signal: PO110373.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.428 min

Delta R.T.: 0.000 min

Response: 581672709

Conc: 752.31 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110374.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 17:15
 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: Apr 10 18:24:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:23:57 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...	3.688	3.685	423.1E6	238.6E6	50.000	50.000
2) SA Decachlor...	8.732	8.684	719.3E6	163.9E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.615	7.580	704.6E6	272.9E6	500.000	500.000
42) L9 AR-1268-2	7.680	7.645	647.2E6	249.0E6	500.000	500.000
43) L9 AR-1268-3	7.887	7.851	525.7E6	185.4E6	500.000	500.000
44) L9 AR-1268-4	8.175	8.137	220.9E6	70586461	500.000	500.000
45) L9 AR-1268-5	8.472	8.429	1643.1E6	396.1E6	500.000	500.000

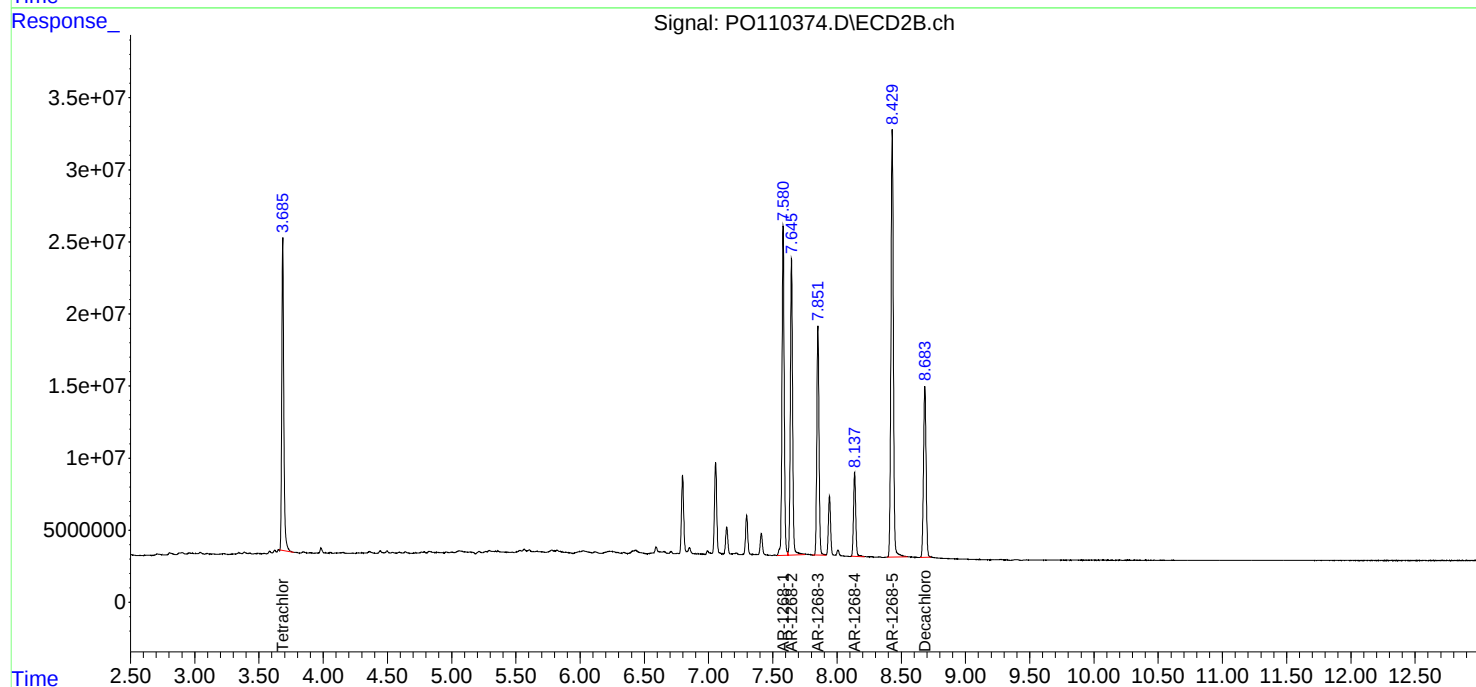
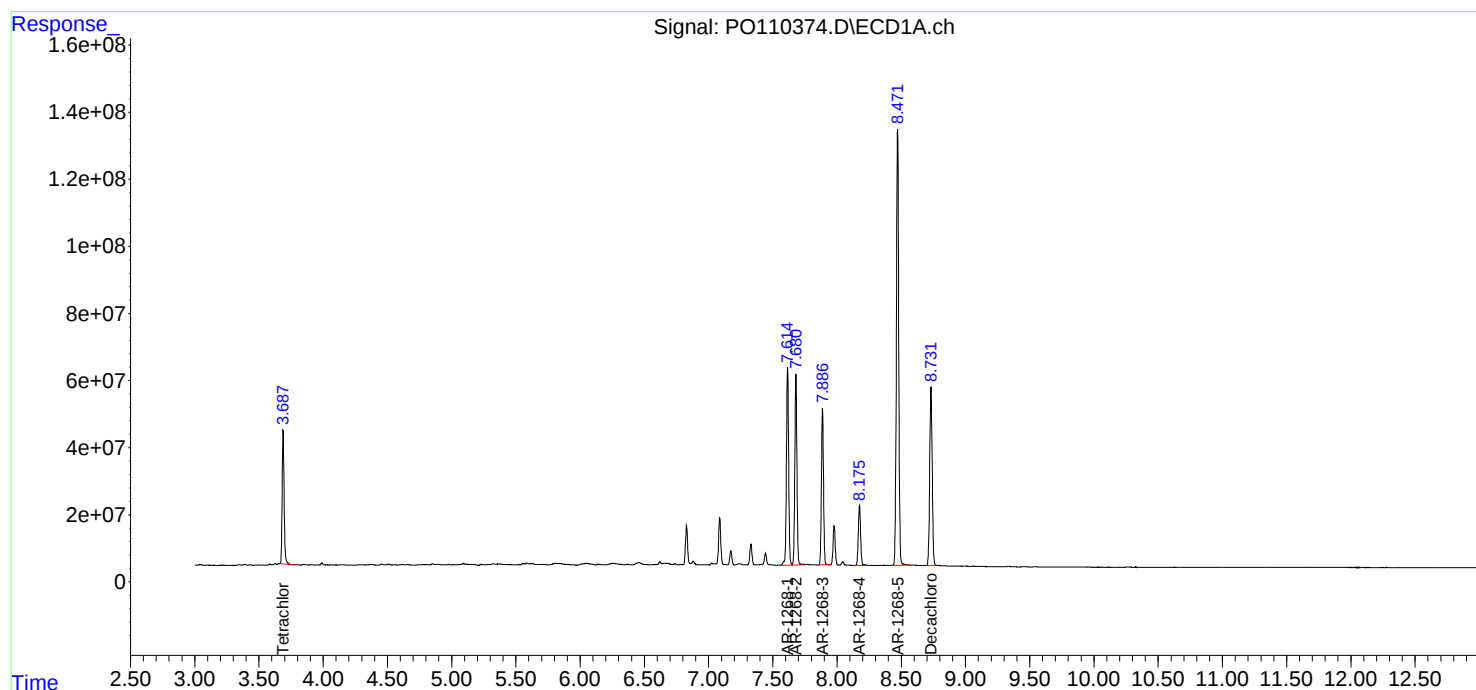
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

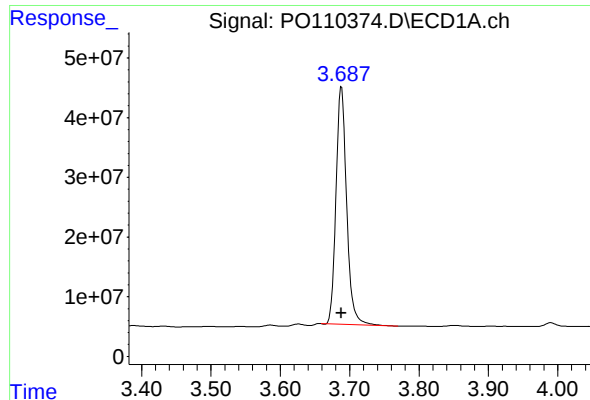
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 17:15
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 18:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:23:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

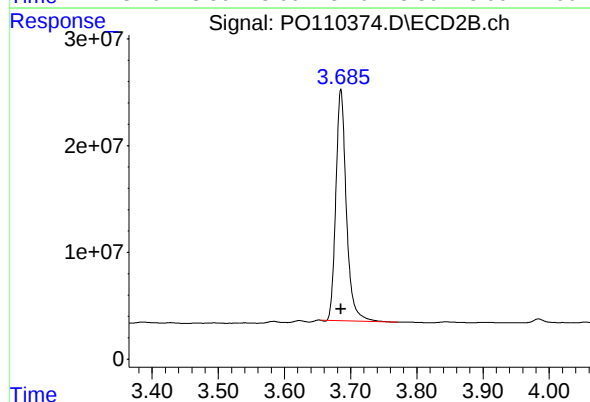




#1 Tetrachloro-m-xylene

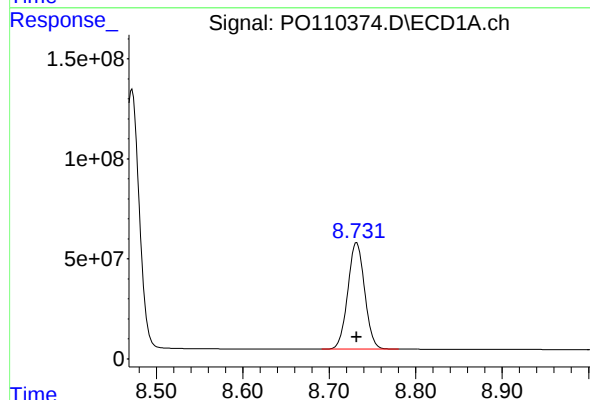
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 423067129
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



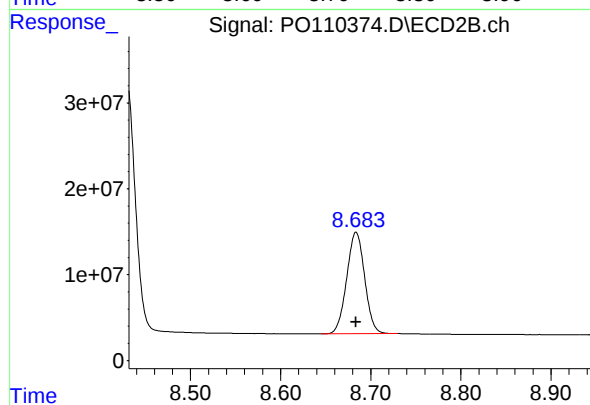
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 238629925
Conc: 50.00 ng/ml



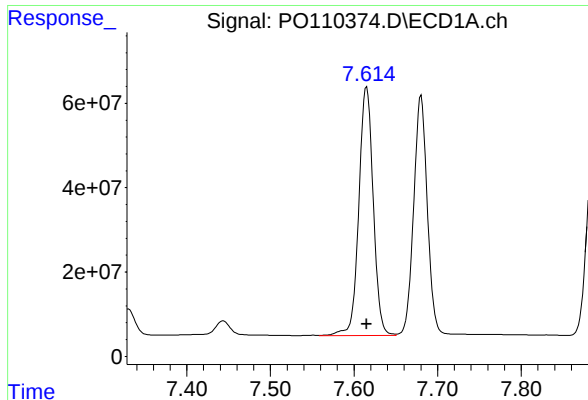
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 719312182
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

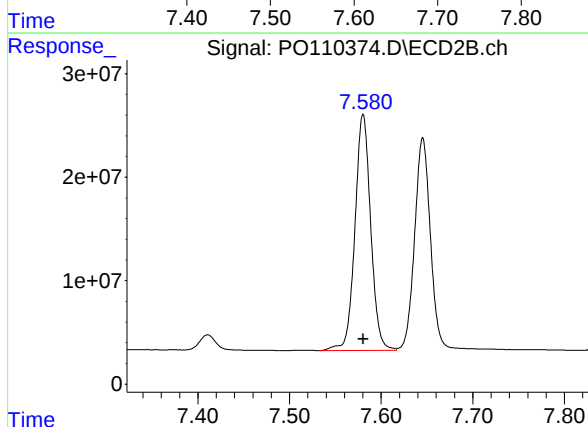
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 163925502
Conc: 50.00 ng/ml



#41 AR-1268-1

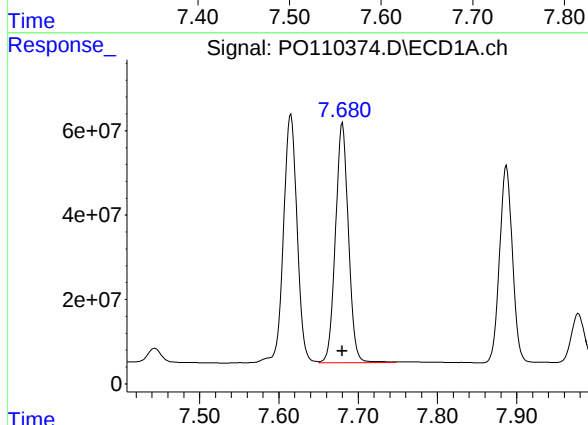
R.T.: 7.615 min
Delta R.T.: 0.000 min
Response: 704556317
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



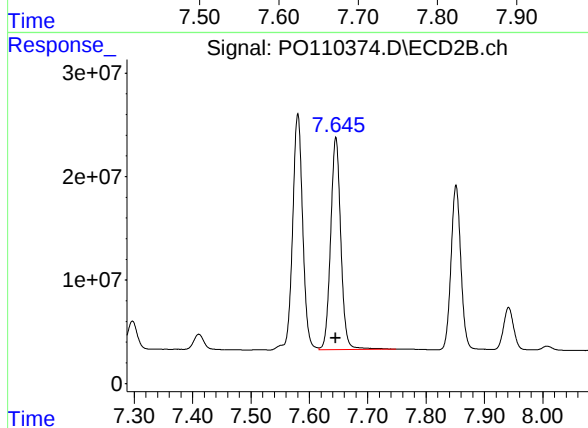
#41 AR-1268-1

R.T.: 7.580 min
Delta R.T.: 0.000 min
Response: 272944304
Conc: 500.00 ng/ml



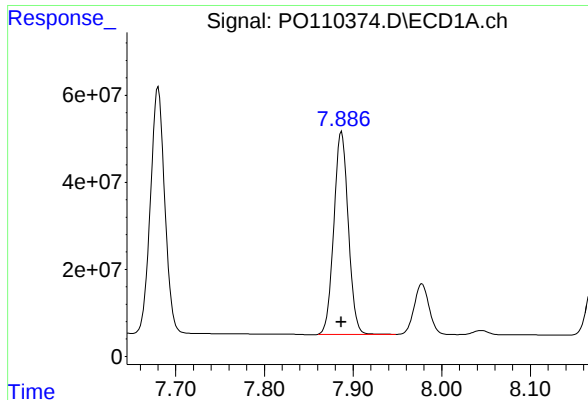
#42 AR-1268-2

R.T.: 7.680 min
Delta R.T.: 0.000 min
Response: 647213588
Conc: 500.00 ng/ml



#42 AR-1268-2

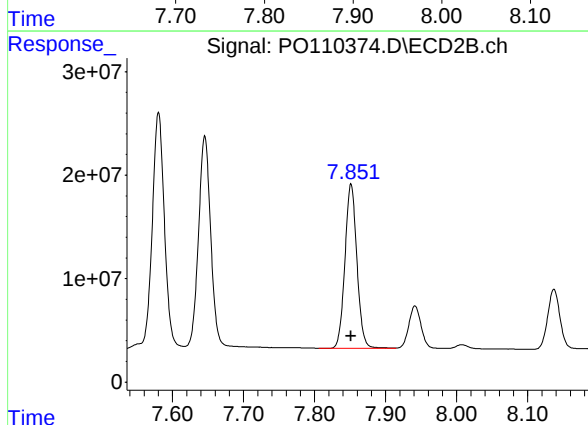
R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 249010122
Conc: 500.00 ng/ml



#43 AR-1268-3

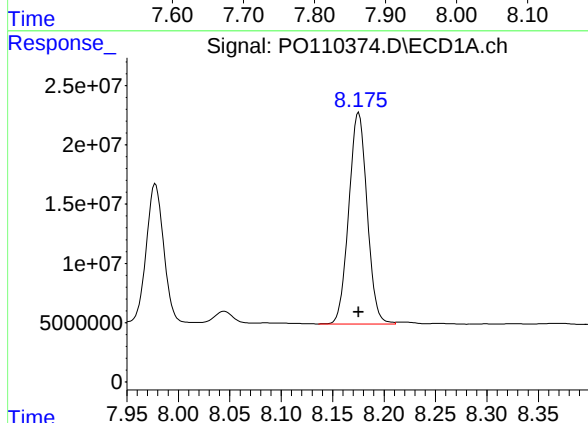
R.T.: 7.887 min
Delta R.T.: 0.000 min
Response: 525663675
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



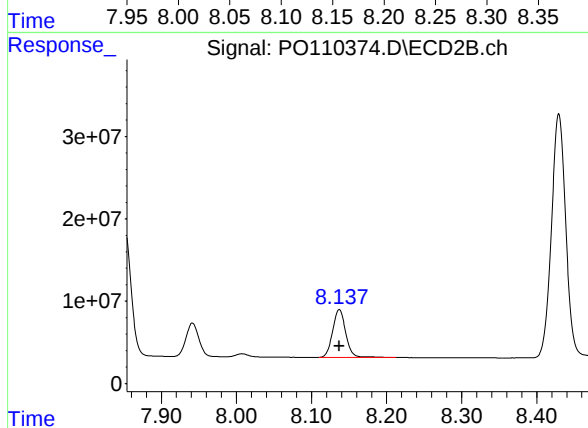
#43 AR-1268-3

R.T.: 7.851 min
Delta R.T.: 0.000 min
Response: 185357416
Conc: 500.00 ng/ml



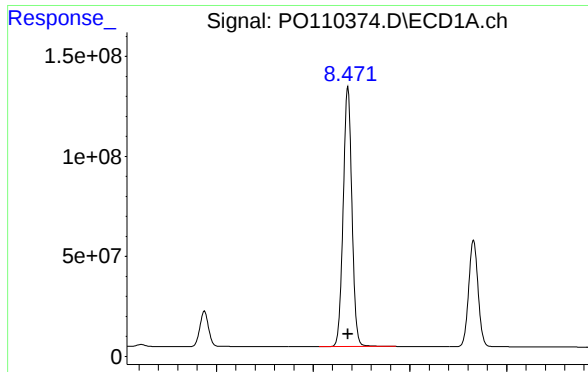
#44 AR-1268-4

R.T.: 8.175 min
Delta R.T.: 0.000 min
Response: 220920910
Conc: 500.00 ng/ml



#44 AR-1268-4

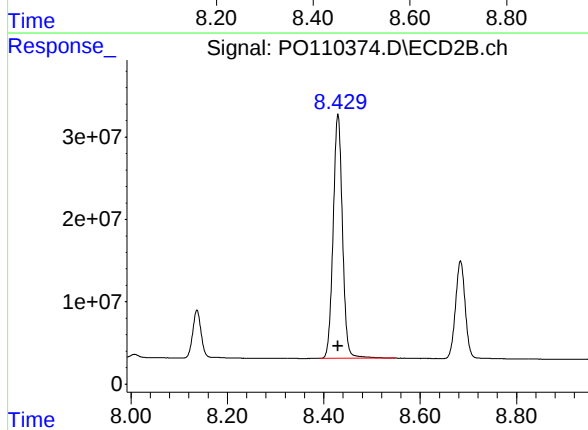
R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 70586461
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 8.472 min
Delta R.T.: 0.000 min
Response: 1643055400
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.429 min
Delta R.T.: 0.000 min
Response: 396123334
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110375.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 17:33
 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: Apr 10 18:34:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:23:57 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...	3.687	3.685	223.2E6	125.8E6	25.567	25.592
2) SA Decachlor...	8.733	8.684	374.5E6	87516933	26.002	27.002
Target Compounds						
41) L9 AR-1268-1	7.615	7.581	363.7E6	142.0E6	257.715	260.832
42) L9 AR-1268-2	7.681	7.646	329.0E6	129.2E6	253.440	260.179
43) L9 AR-1268-3	7.888	7.852	270.5E6	97320040	256.351	263.982
44) L9 AR-1268-4	8.176	8.137	118.1E6	38142084	265.411	271.372
45) L9 AR-1268-5	8.472	8.429	825.0E6	203.5E6	250.707	259.740

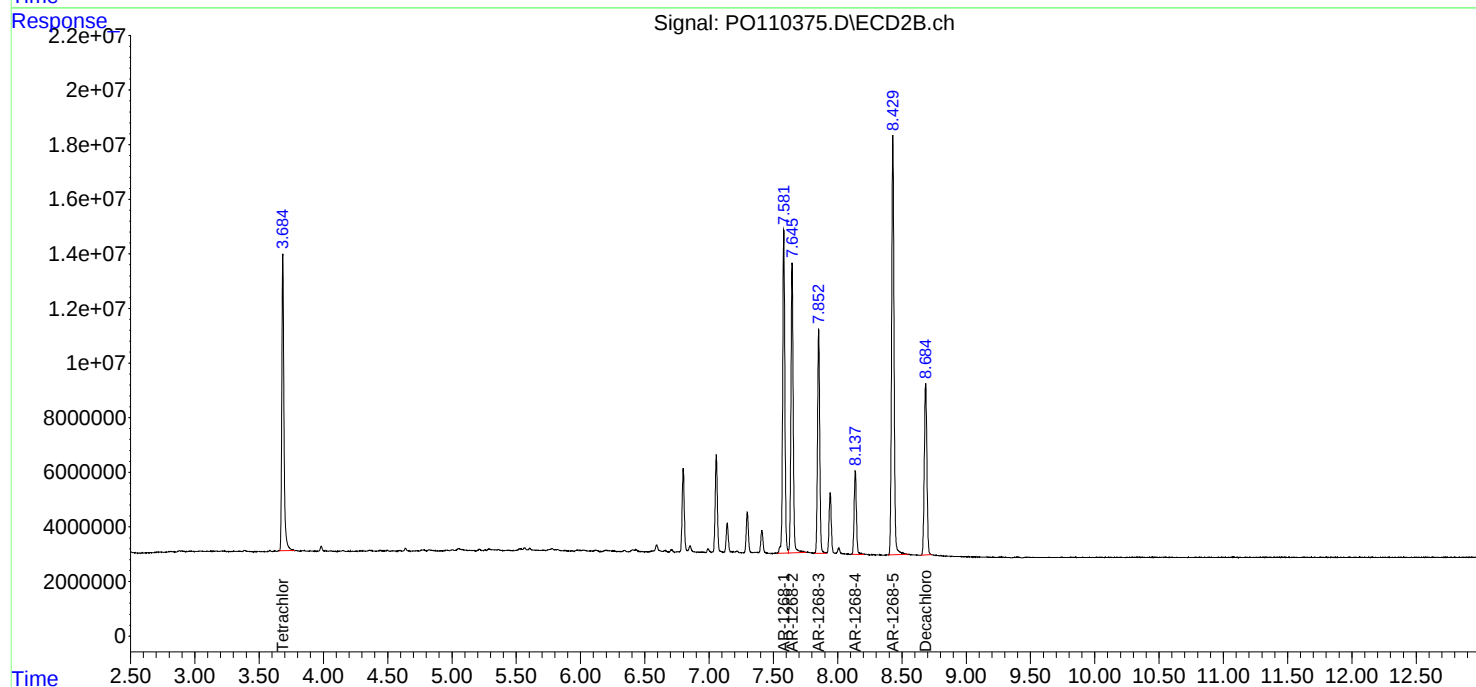
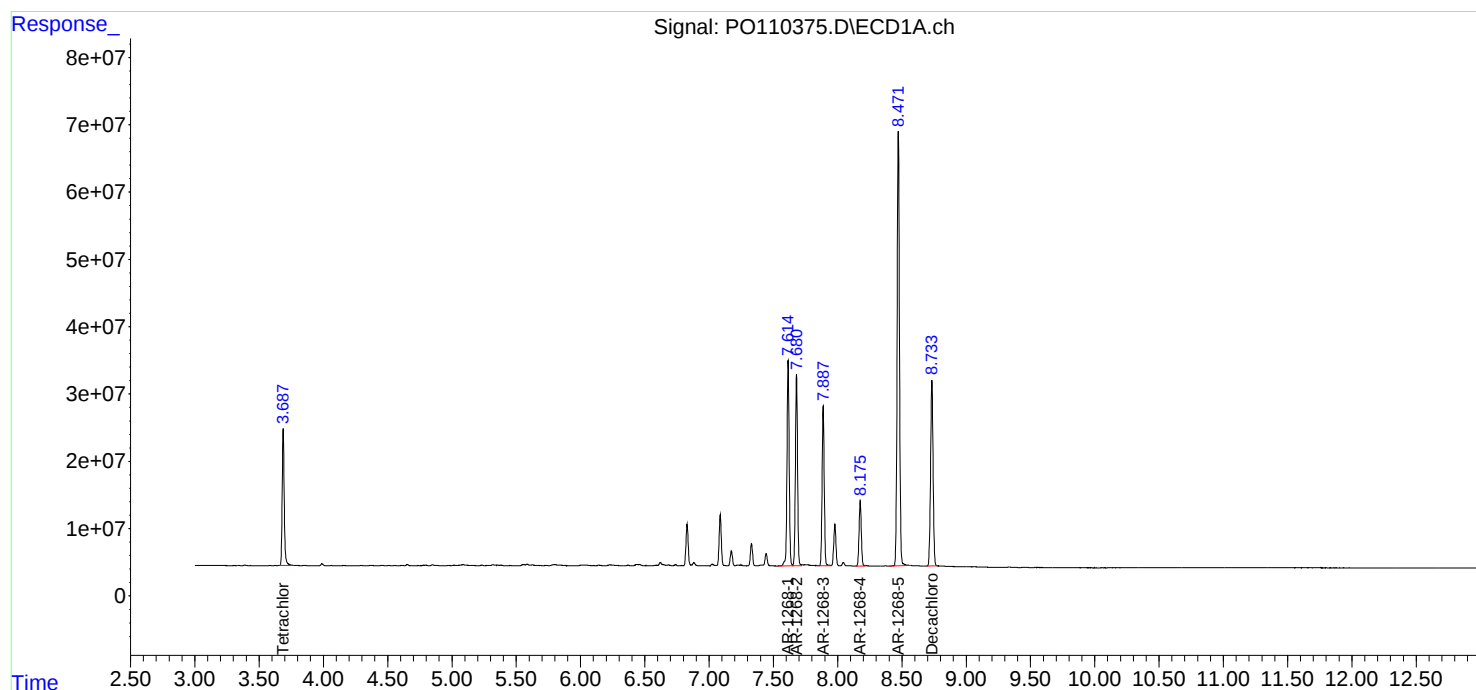
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

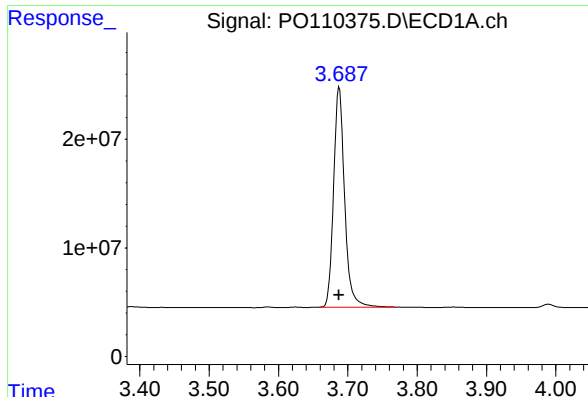
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
Data File : P0110375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 17:33
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 18:34:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:23:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

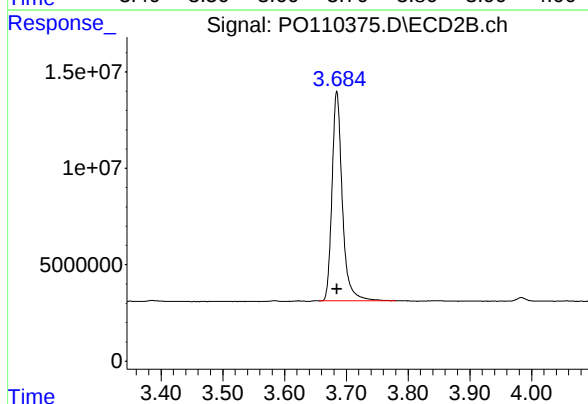




#1 Tetrachloro-m-xylene

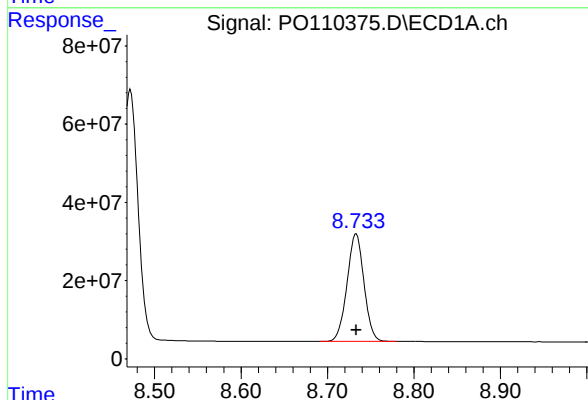
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 223177656
Conc: 25.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



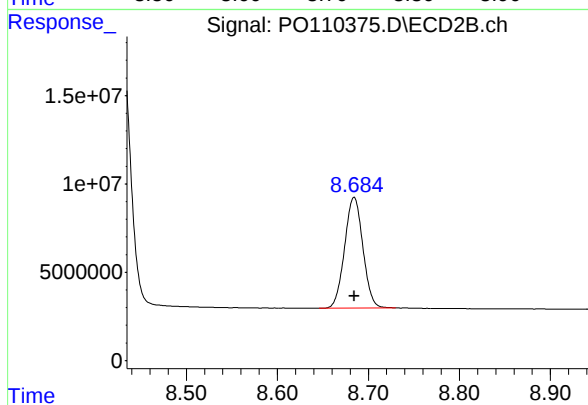
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 125848954
Conc: 25.59 ng/ml



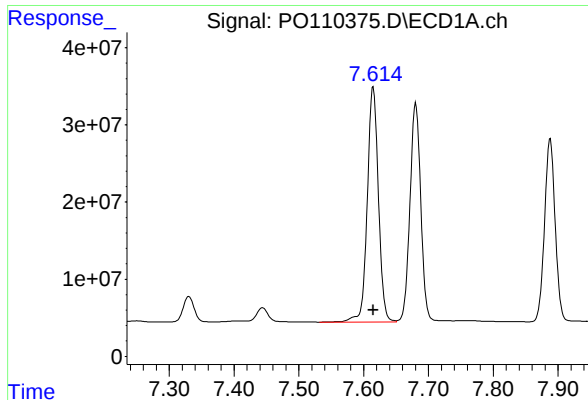
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 374472641
Conc: 26.00 ng/ml



#2 Decachlorobiphenyl

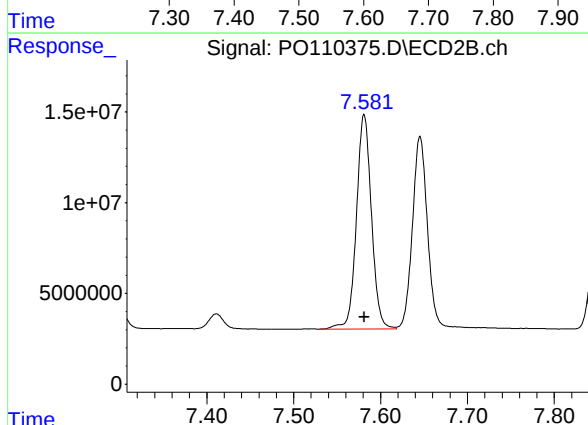
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 87516933
Conc: 27.00 ng/ml



#41 AR-1268-1

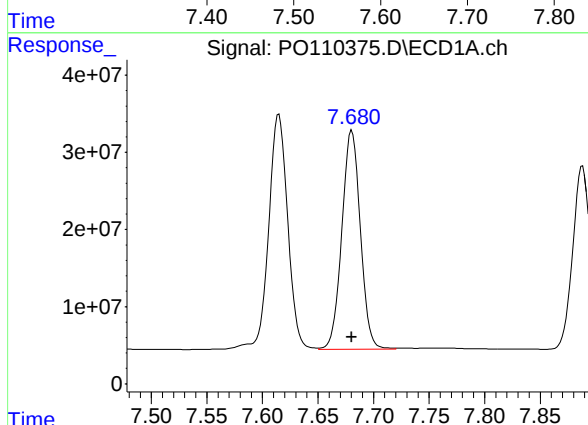
R.T.: 7.615 min
Delta R.T.: 0.000 min
Response: 363679668
Conc: 257.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



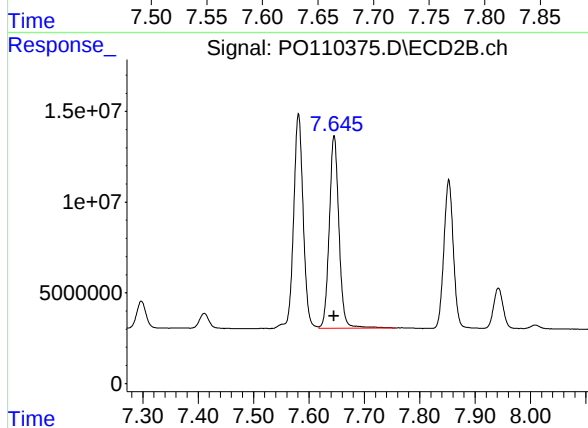
#41 AR-1268-1

R.T.: 7.581 min
Delta R.T.: 0.000 min
Response: 142031158
Conc: 260.83 ng/ml



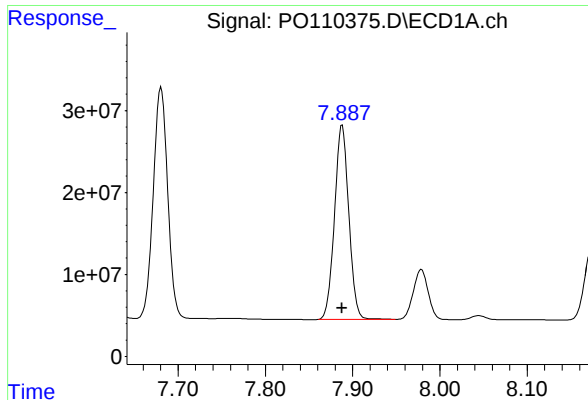
#42 AR-1268-2

R.T.: 7.681 min
Delta R.T.: 0.000 min
Response: 328985593
Conc: 253.44 ng/ml



#42 AR-1268-2

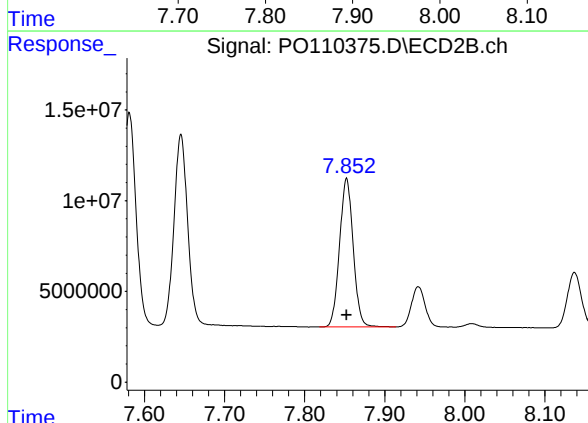
R.T.: 7.646 min
Delta R.T.: 0.000 min
Response: 129174850
Conc: 260.18 ng/ml



#43 AR-1268-3

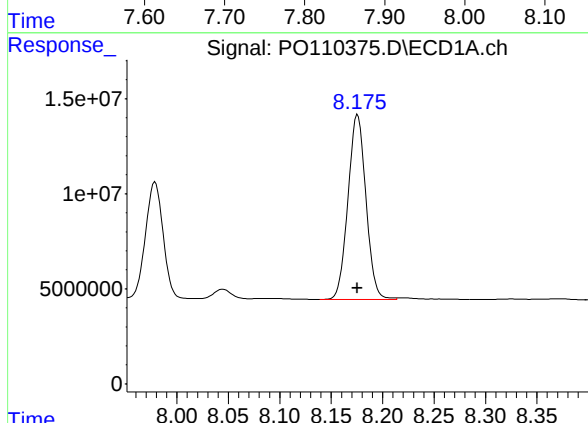
R.T.: 7.888 min
Delta R.T.: 0.000 min
Response: 270468128
Conc: 256.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



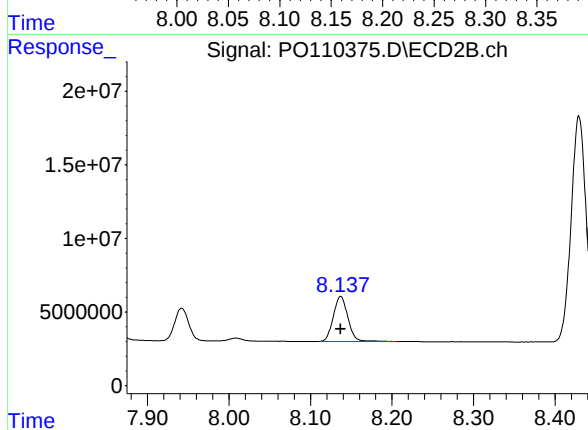
#43 AR-1268-3

R.T.: 7.852 min
Delta R.T.: 0.000 min
Response: 97320040
Conc: 263.98 ng/ml



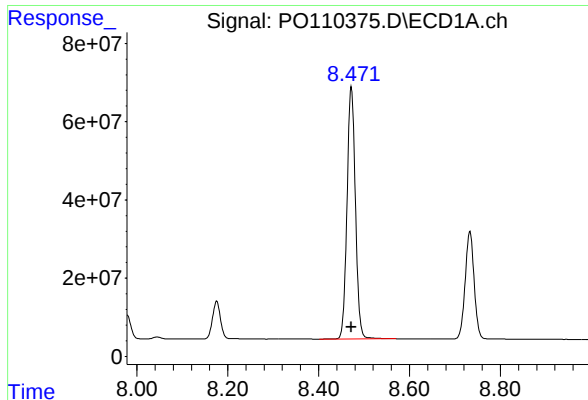
#44 AR-1268-4

R.T.: 8.176 min
Delta R.T.: 0.000 min
Response: 118147663
Conc: 265.41 ng/ml



#44 AR-1268-4

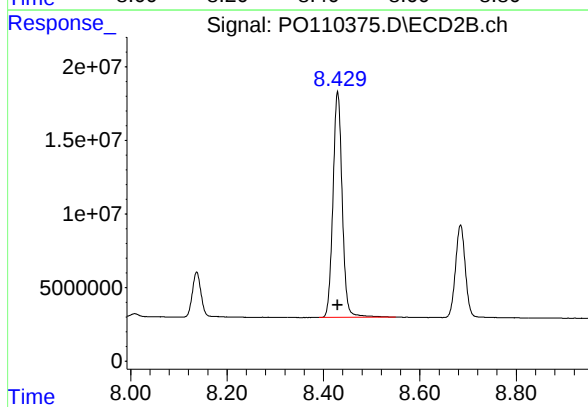
R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 38142084
Conc: 271.37 ng/ml



#45 AR-1268-5

R.T.: 8.472 min
Delta R.T.: 0.000 min
Response: 824957315
Conc: 250.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.429 min
Delta R.T.: 0.000 min
Response: 203468755
Conc: 259.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110376.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 17:52
 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: Apr 10 18:37:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:23:57 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...	3.687	3.684	39467832	22436384	4.610	4.644
2) SA Decachlor...	8.732	8.684	71324202	17516545	4.962	5.318
Target Compounds						
41) L9 AR-1268-1	7.616	7.580	68808575	28029289	49.003	51.172
42) L9 AR-1268-2	7.680	7.645	60320169	25075562	47.135	50.404
43) L9 AR-1268-3	7.887	7.852	49726337	19160308	47.678	51.566
44) L9 AR-1268-4	8.175	8.136	22009230	7174009	49.553	50.830
45) L9 AR-1268-5	8.473	8.428	146.9E6	40130945	45.608	50.979

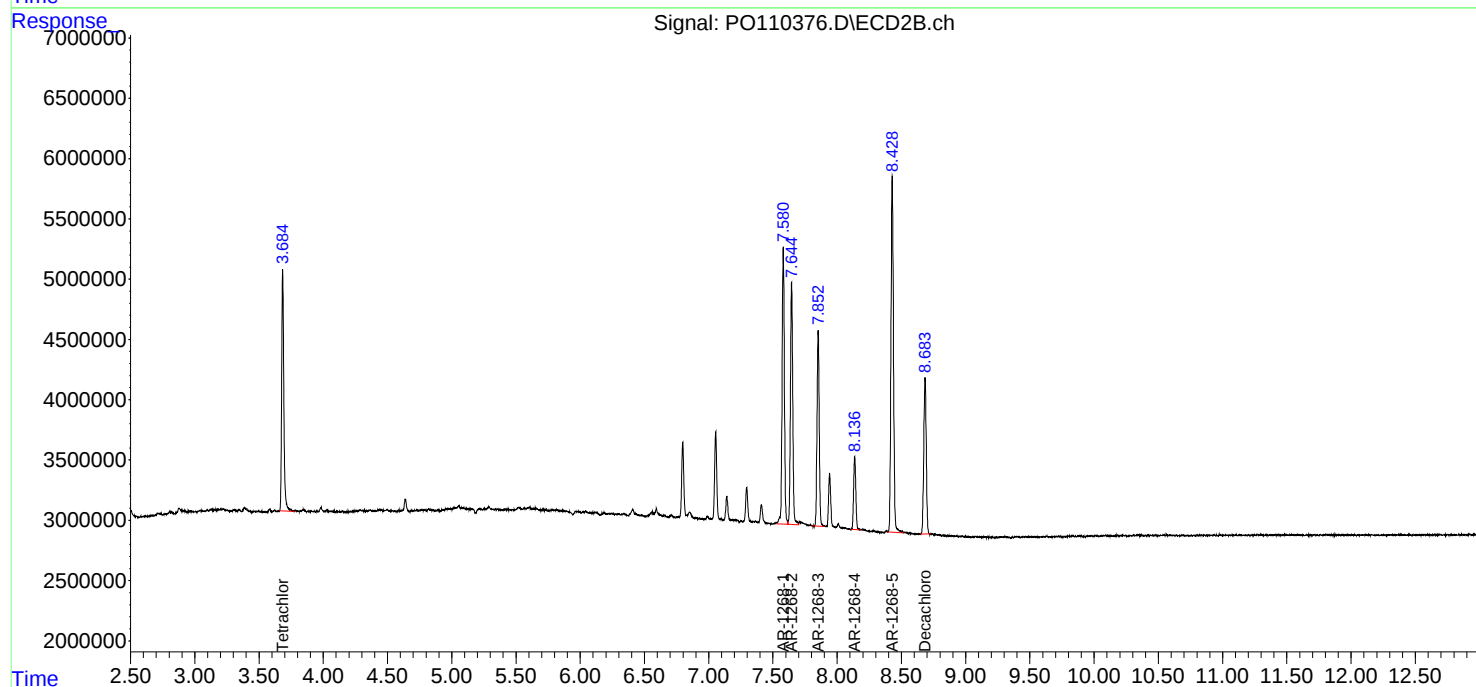
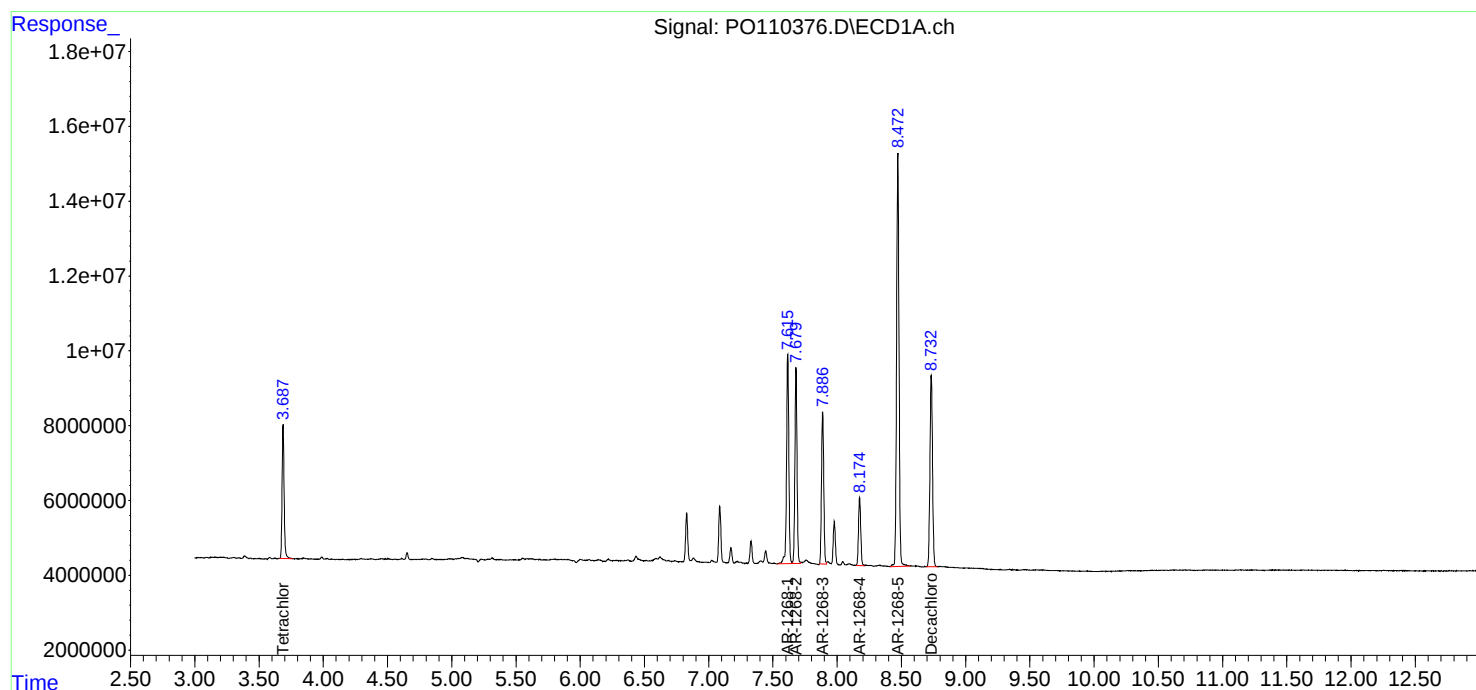
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

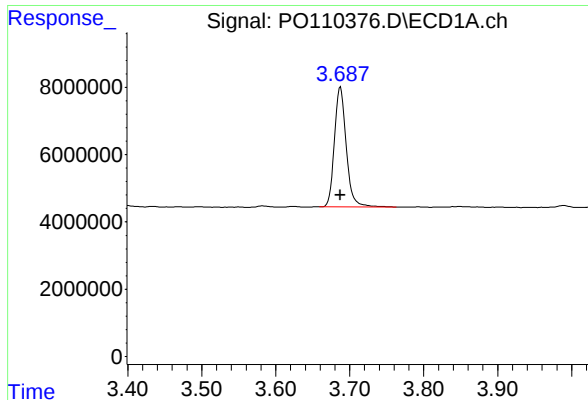
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 17:52
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 18:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:23:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

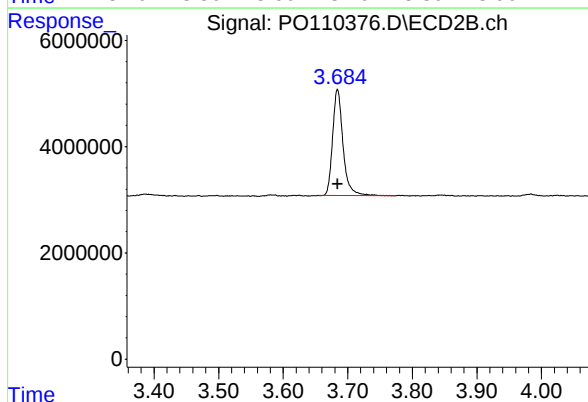




#1 Tetrachloro-m-xylene

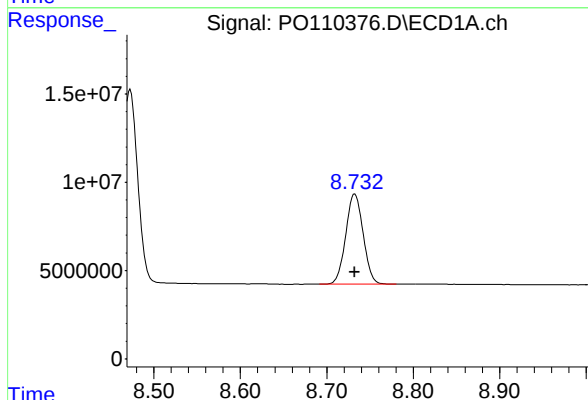
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 39467832
Conc: 4.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



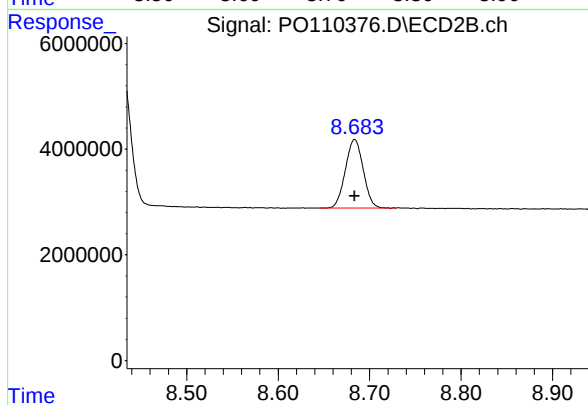
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 22436384
Conc: 4.64 ng/ml



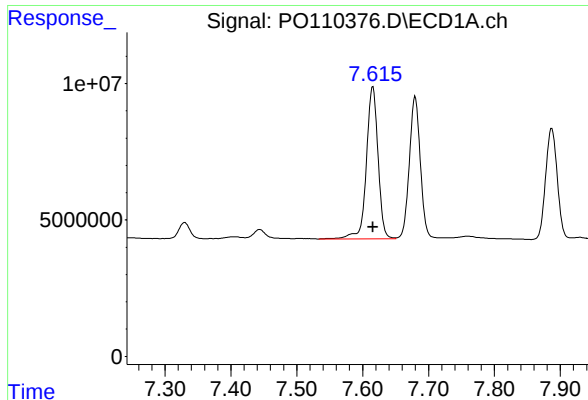
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 71324202
Conc: 4.96 ng/ml



#2 Decachlorobiphenyl

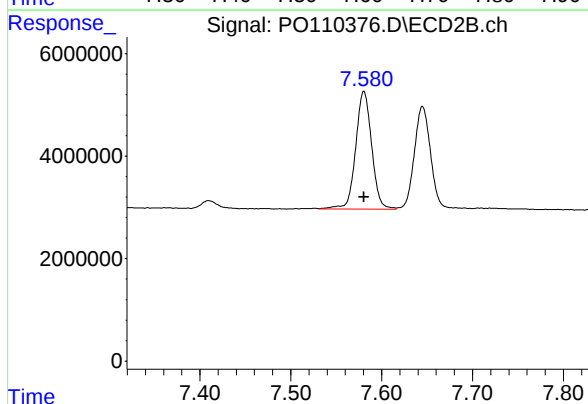
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 17516545
Conc: 5.32 ng/ml



#41 AR-1268-1

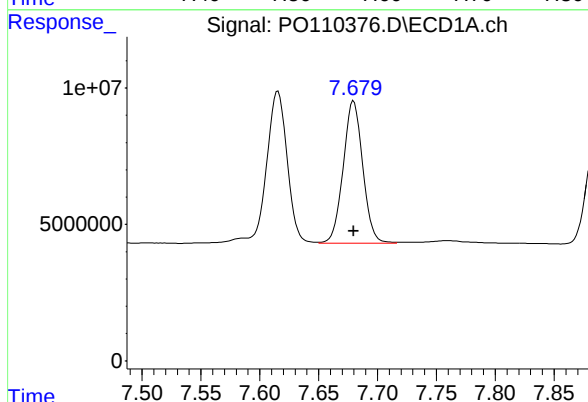
R.T.: 7.616 min
Delta R.T.: 0.000 min
Response: 68808575
Conc: 49.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



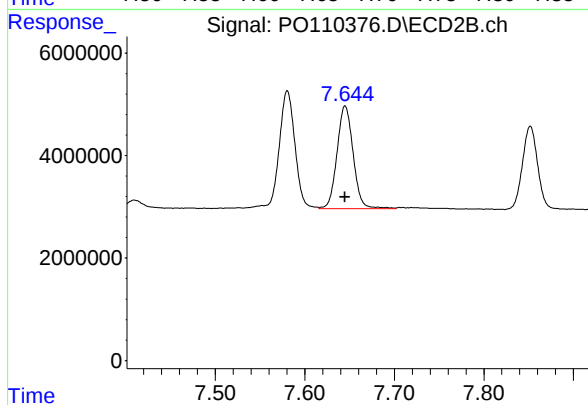
#41 AR-1268-1

R.T.: 7.580 min
Delta R.T.: 0.000 min
Response: 28029289
Conc: 51.17 ng/ml



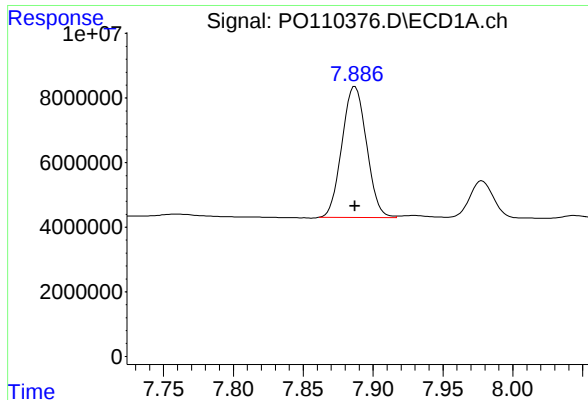
#42 AR-1268-2

R.T.: 7.680 min
Delta R.T.: 0.000 min
Response: 60320169
Conc: 47.13 ng/ml



#42 AR-1268-2

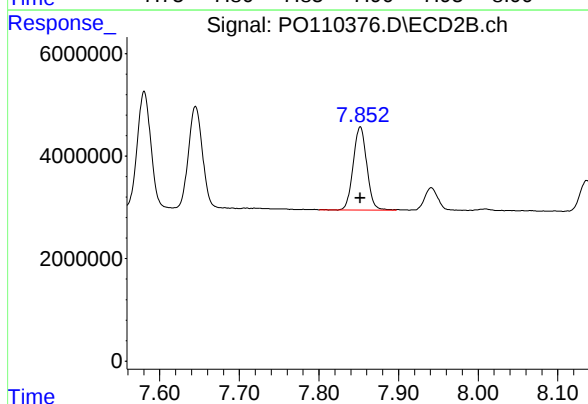
R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 25075562
Conc: 50.40 ng/ml



#43 AR-1268-3

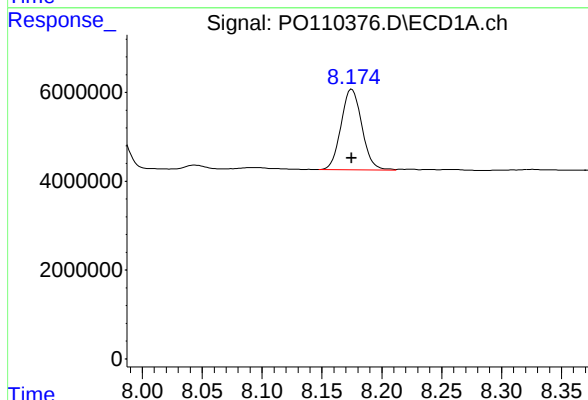
R.T.: 7.887 min
Delta R.T.: 0.000 min
Response: 49726337
Conc: 47.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



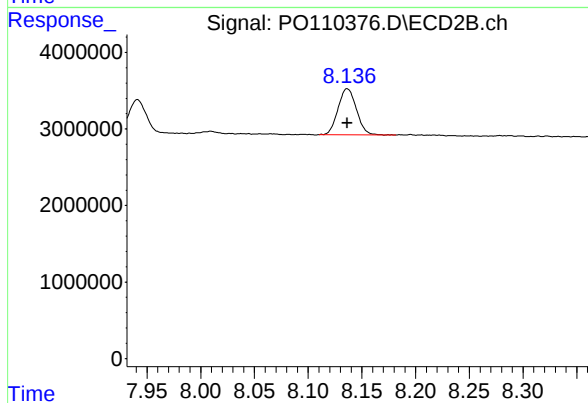
#43 AR-1268-3

R.T.: 7.852 min
Delta R.T.: 0.000 min
Response: 19160308
Conc: 51.57 ng/ml



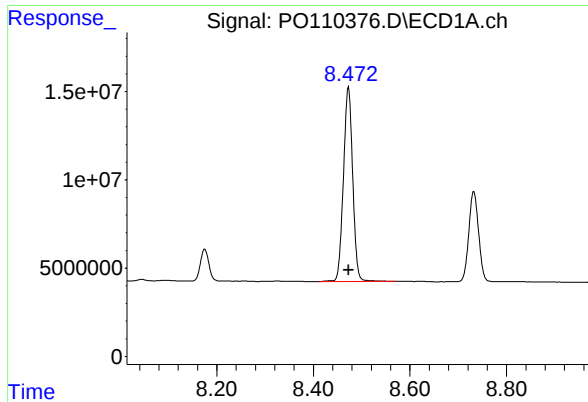
#44 AR-1268-4

R.T.: 8.175 min
Delta R.T.: 0.000 min
Response: 22009230
Conc: 49.55 ng/ml



#44 AR-1268-4

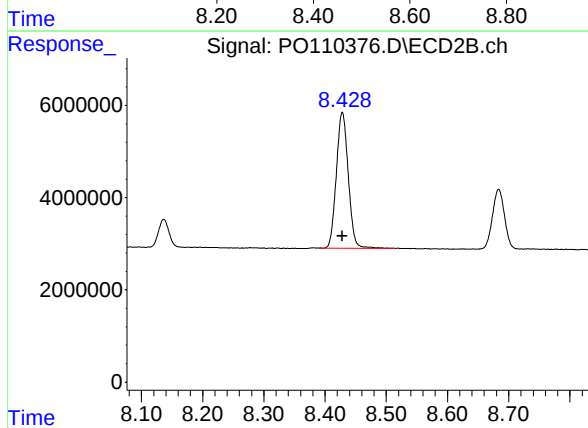
R.T.: 8.136 min
Delta R.T.: 0.000 min
Response: 7174009
Conc: 50.83 ng/ml



#45 AR-1268-5

R.T.: 8.473 min
Delta R.T.: 0.000 min
Response: 146850912
Conc: 45.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 40130945
Conc: 50.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110377.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 18:09
 Operator : YP/AJ
 Sample : P0041025ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO041025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 18:45:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:44:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.685	421.6E6	244.8E6	48.193	49.064
2) SA Decachlor...	8.731	8.685	398.8E6	93206294	50.509	48.419
Target Compounds						
3) L1 AR-1016-1	4.778	4.766	160.3E6	85578058	488.595	487.598
4) L1 AR-1016-2	4.797	4.784	224.6E6	123.9E6	493.781	492.855
5) L1 AR-1016-3	4.853	4.960	157.2E6	66551398	487.462	490.391
6) L1 AR-1016-4	4.973	5.002	122.3E6	55570470	491.017	485.892
7) L1 AR-1016-5	5.231	5.215	133.8E6	73527628	497.315	493.229
31) L7 AR-1260-1	6.270	6.246	237.6E6	121.3E6	502.988	493.308
32) L7 AR-1260-2	6.460	6.434	287.8E6	140.8E6	490.780	482.474
33) L7 AR-1260-3	6.827	6.586	245.6E6	132.0E6	498.218	487.409
34) L7 AR-1260-4	7.087	7.058	213.8E6	98678673	503.635	491.819
35) L7 AR-1260-5	7.329	7.298	535.6E6	226.2E6	513.241	492.883

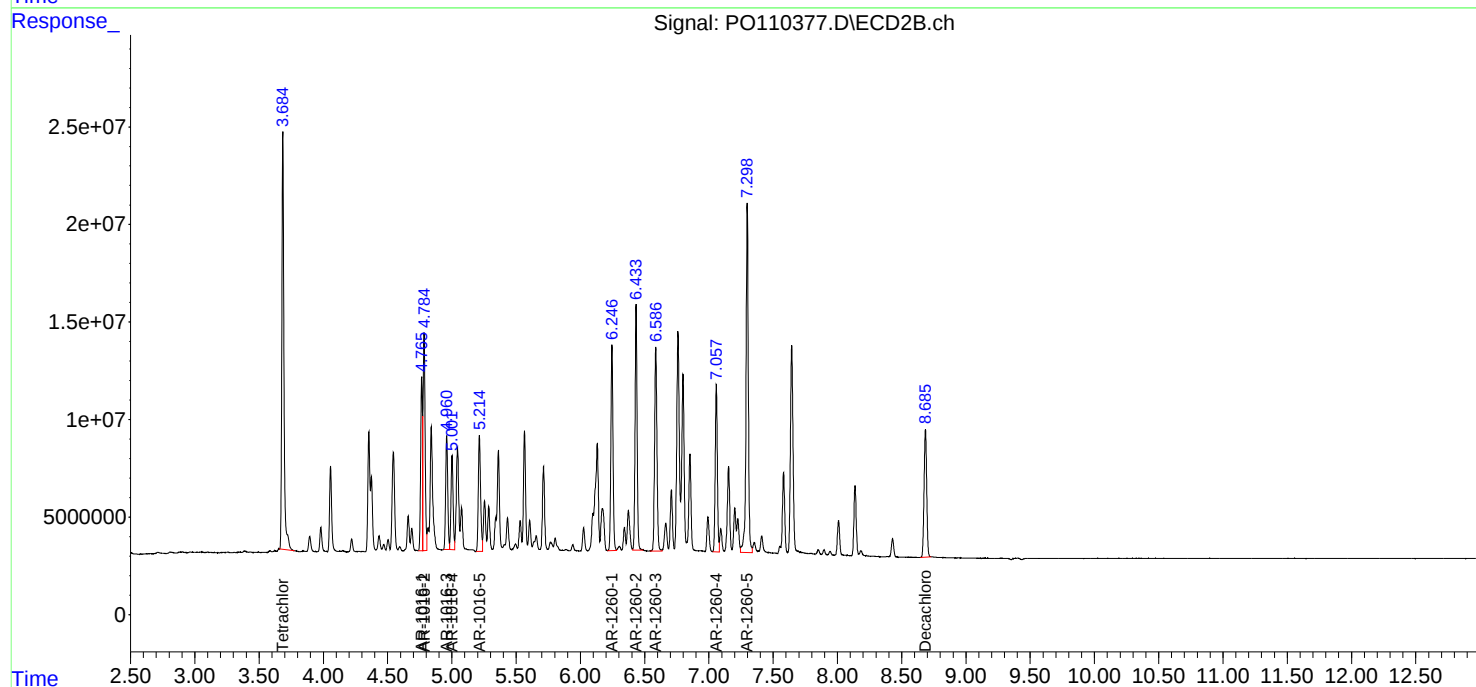
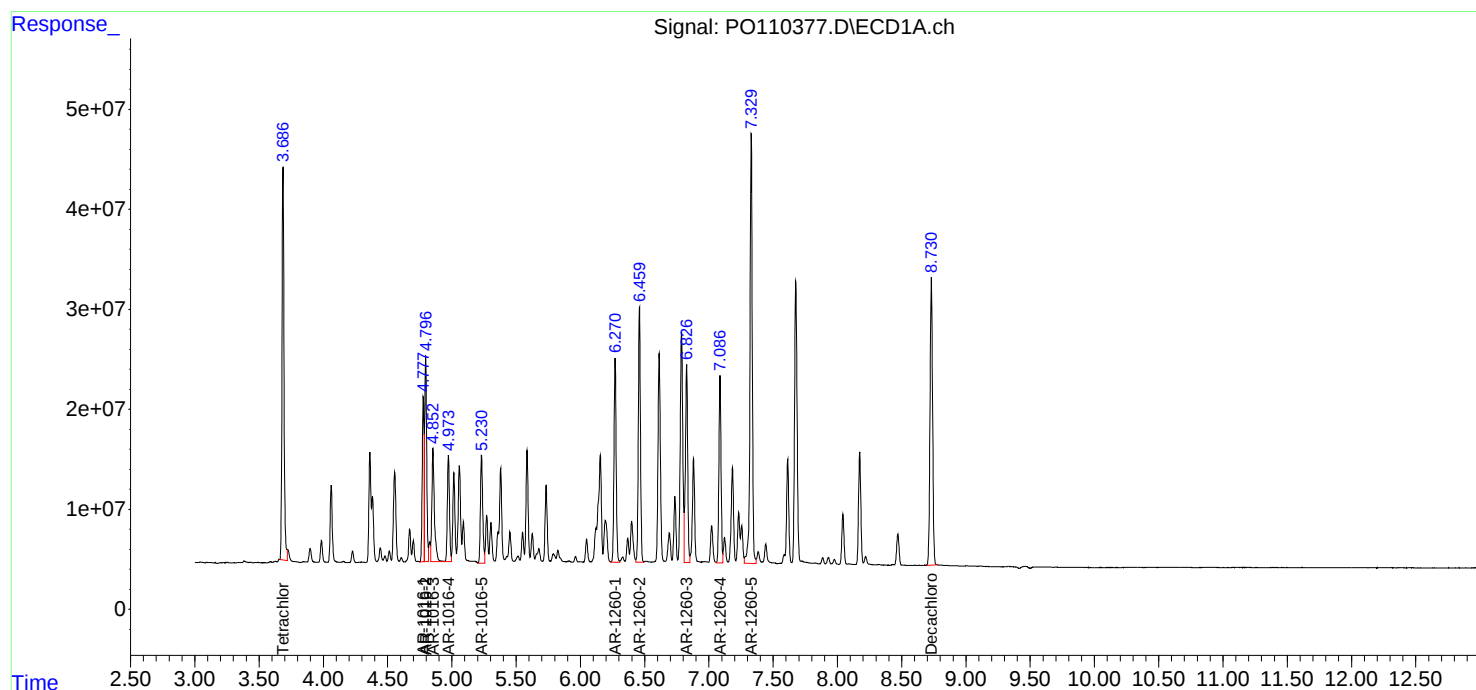
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

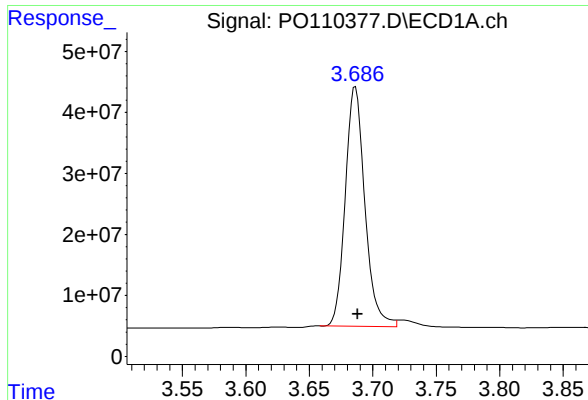
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 18:09
Operator : YP/AJ
Sample : PO041025ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO041025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 18:45:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:44:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

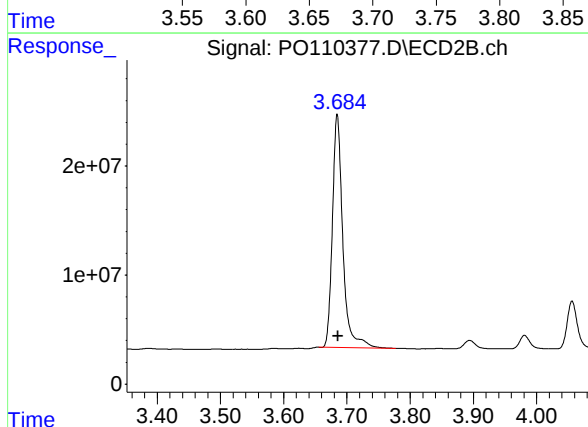




#1 Tetrachloro-m-xylene

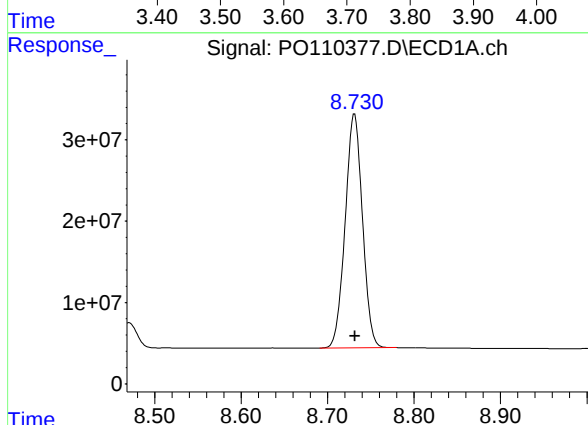
R.T.: 3.686 min
Delta R.T.: -0.002 min
Response: 421644591
Conc: 48.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025



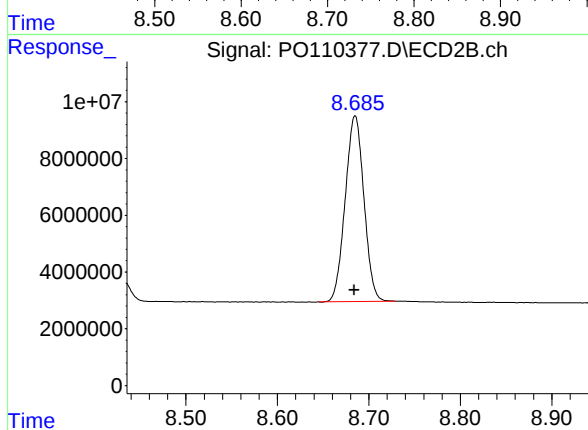
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: -0.001 min
Response: 244816340
Conc: 49.06 ng/ml



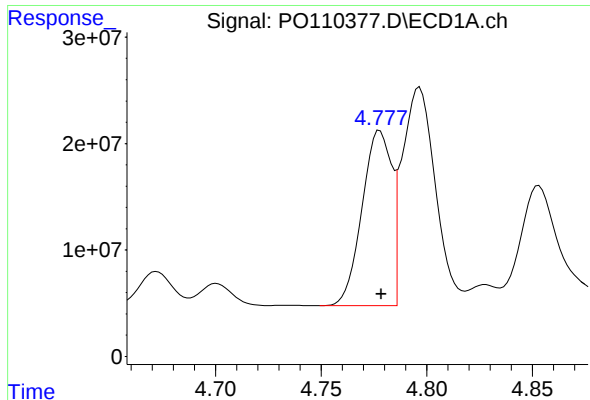
#2 Decachlorobiphenyl

R.T.: 8.731 min
Delta R.T.: 0.000 min
Response: 398769118
Conc: 50.51 ng/ml



#2 Decachlorobiphenyl

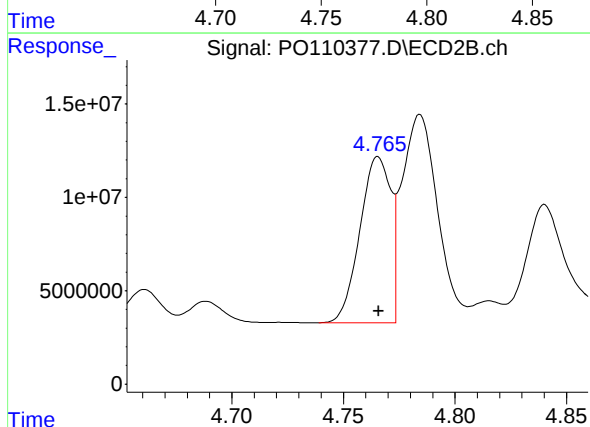
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 93206294
Conc: 48.42 ng/ml



#3 AR-1016-1

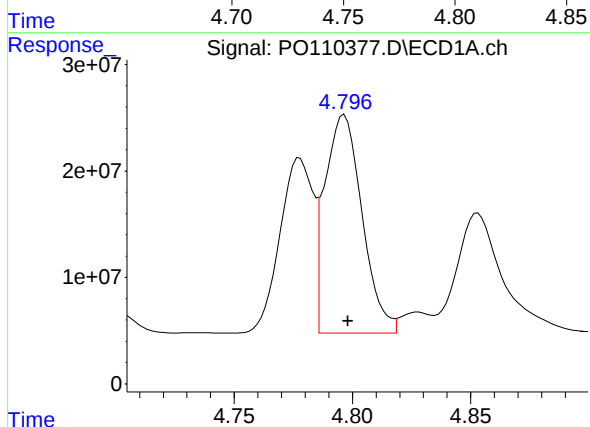
R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 160329385
Conc: 488.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025



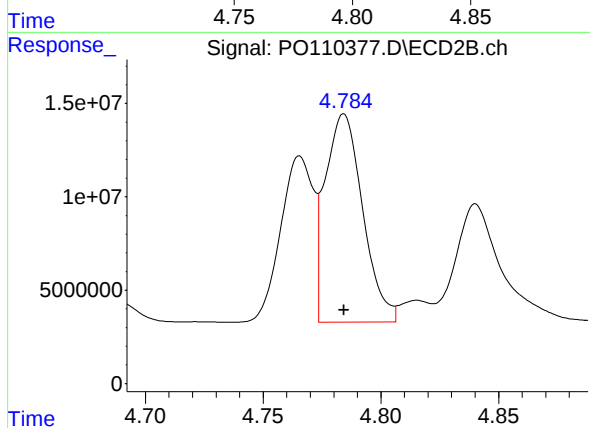
#3 AR-1016-1

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 85578058
Conc: 487.60 ng/ml



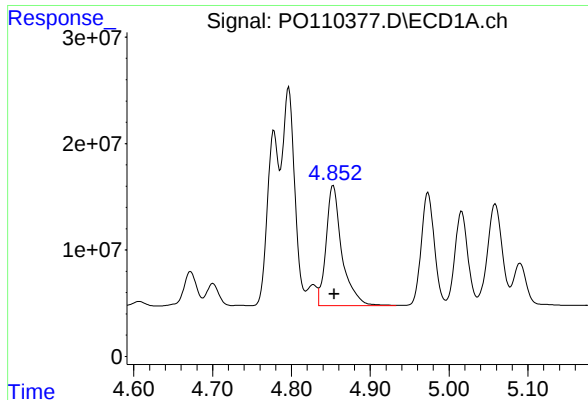
#4 AR-1016-2

R.T.: 4.797 min
Delta R.T.: -0.002 min
Response: 224644909
Conc: 493.78 ng/ml



#4 AR-1016-2

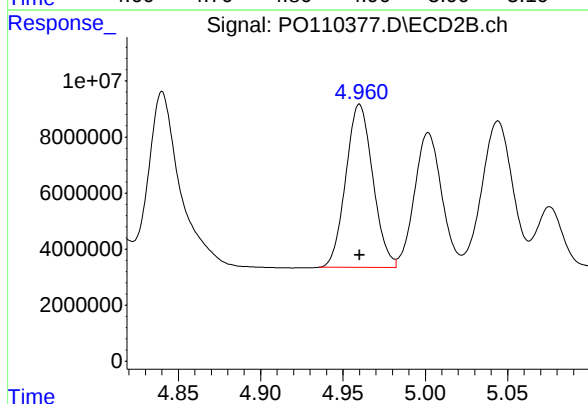
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 123935759
Conc: 492.85 ng/ml



#5 AR-1016-3

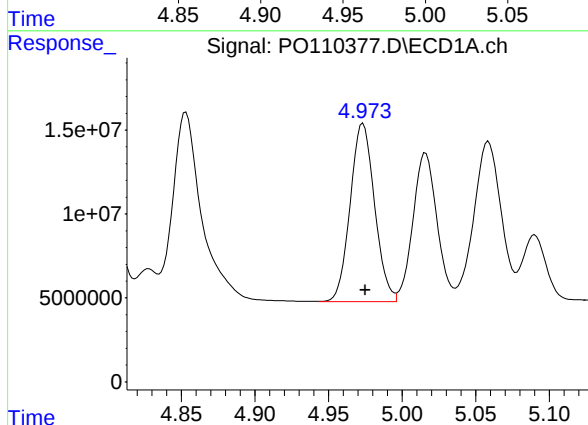
R.T.: 4.853 min
Delta R.T.: -0.002 min
Response: 157219813
Conc: 487.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025



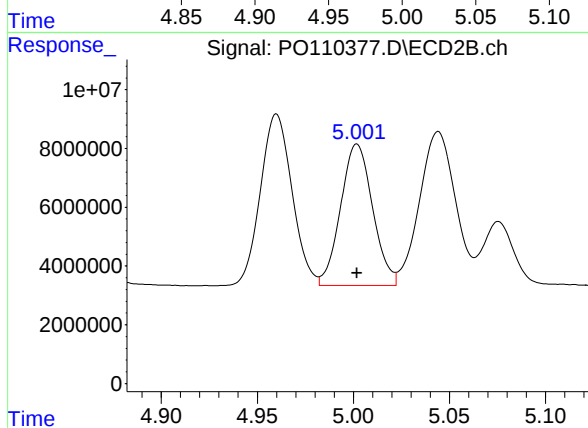
#5 AR-1016-3

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 66551398
Conc: 490.39 ng/ml



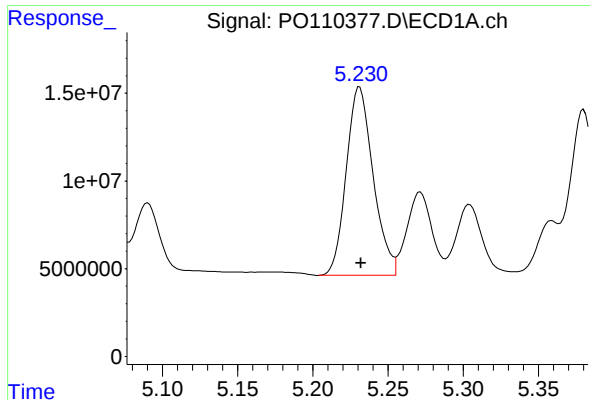
#6 AR-1016-4

R.T.: 4.973 min
Delta R.T.: -0.002 min
Response: 122344041
Conc: 491.02 ng/ml



#6 AR-1016-4

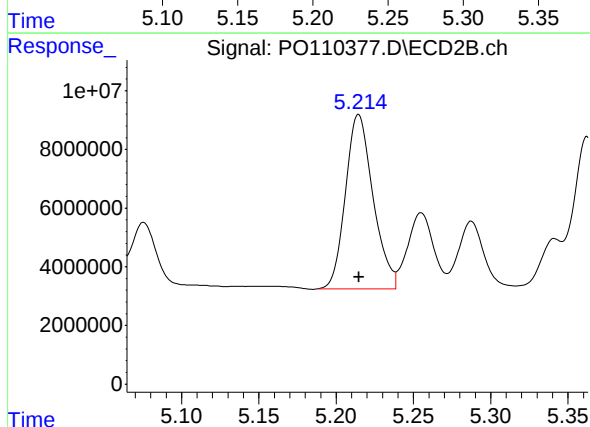
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 55570470
Conc: 485.89 ng/ml



#7 AR-1016-5

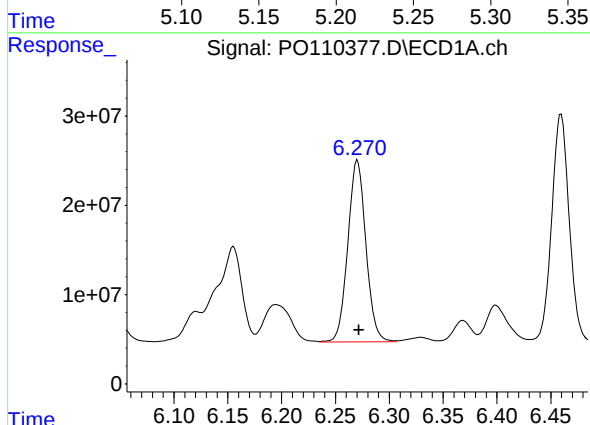
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 133783641
Conc: 497.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025



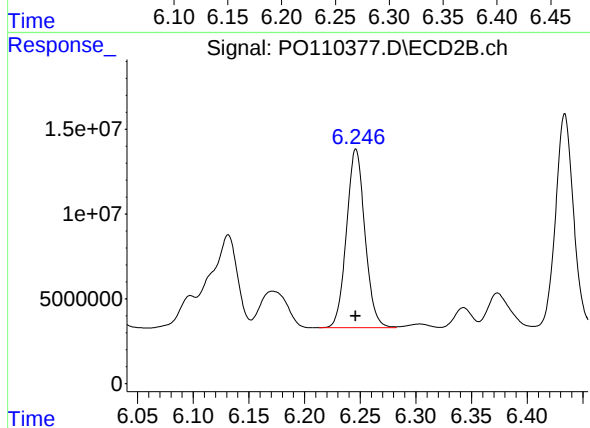
#7 AR-1016-5

R.T.: 5.215 min
Delta R.T.: 0.000 min
Response: 73527628
Conc: 493.23 ng/ml



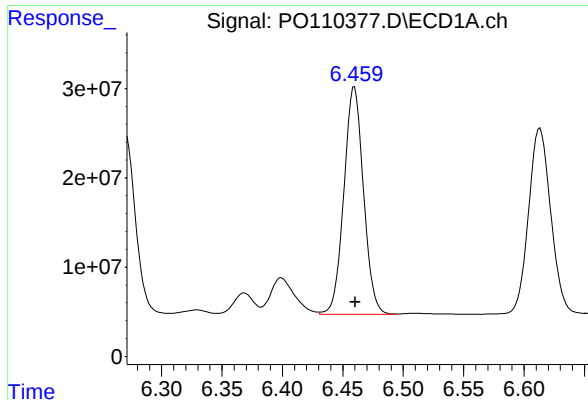
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.002 min
Response: 237634519
Conc: 502.99 ng/ml



#31 AR-1260-1

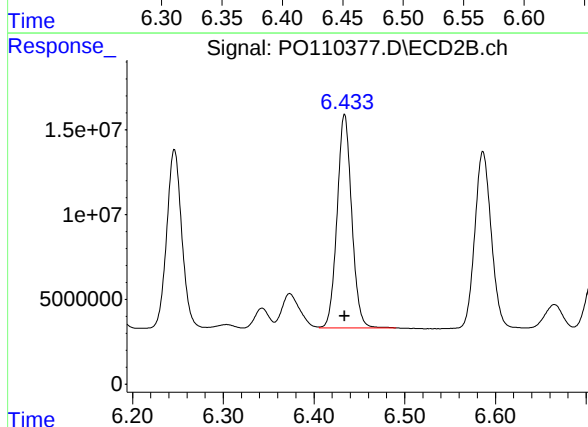
R.T.: 6.246 min
Delta R.T.: 0.000 min
Response: 121335820
Conc: 493.31 ng/ml



#32 AR-1260-2

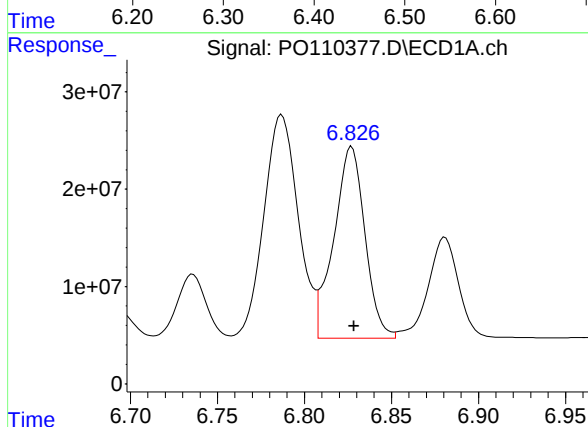
R.T.: 6.460 min
Delta R.T.: 0.000 min
Response: 287805163
Conc: 490.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025



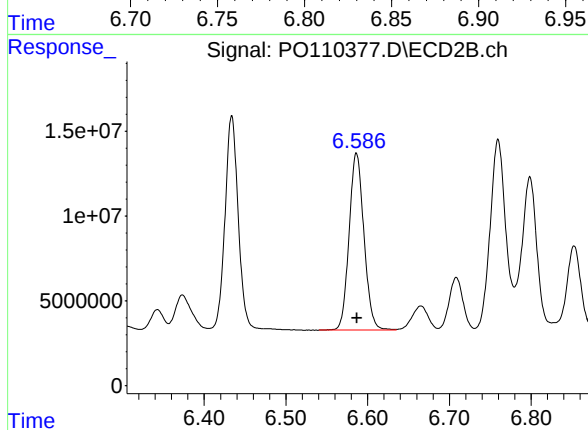
#32 AR-1260-2

R.T.: 6.434 min
Delta R.T.: 0.000 min
Response: 140762216
Conc: 482.47 ng/ml



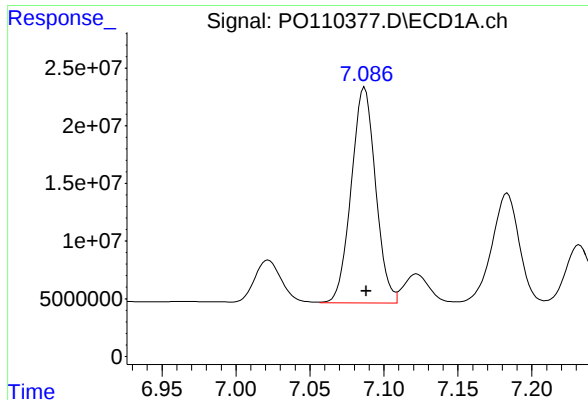
#33 AR-1260-3

R.T.: 6.827 min
Delta R.T.: -0.001 min
Response: 245558046
Conc: 498.22 ng/ml



#33 AR-1260-3

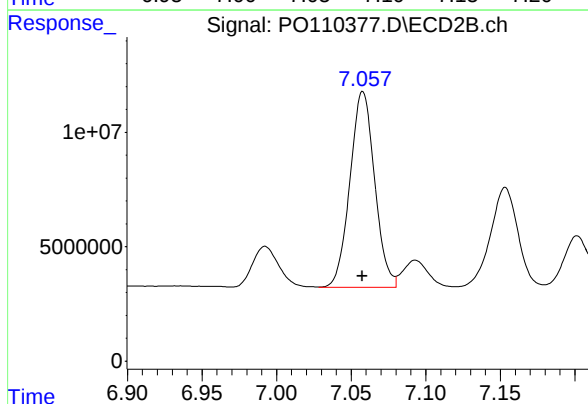
R.T.: 6.586 min
Delta R.T.: 0.000 min
Response: 132031272
Conc: 487.41 ng/ml



#34 AR-1260-4

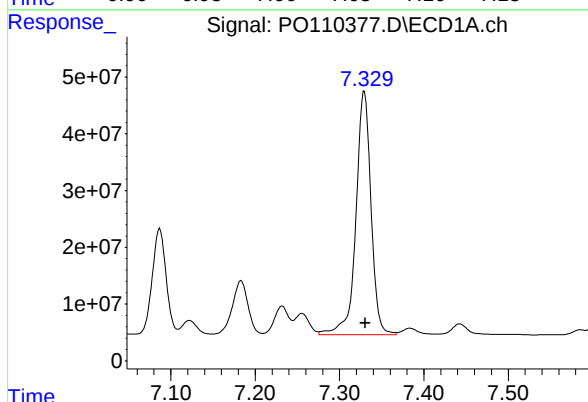
R.T.: 7.087 min
Delta R.T.: -0.001 min
Response: 213754206
Conc: 503.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025



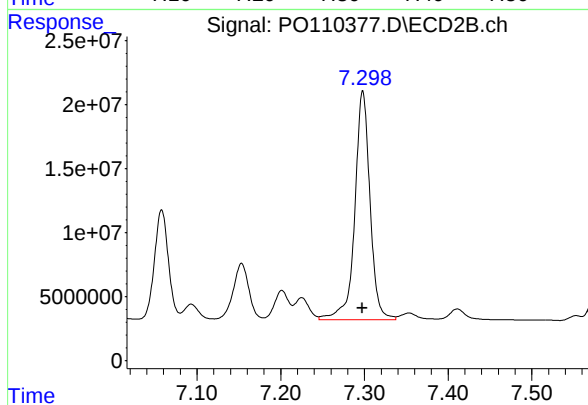
#34 AR-1260-4

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 98678673
Conc: 491.82 ng/ml



#35 AR-1260-5

R.T.: 7.329 min
Delta R.T.: 0.000 min
Response: 535552109
Conc: 513.24 ng/ml



#35 AR-1260-5

R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 226163331
Conc: 492.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110378.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 18:46
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO041025AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 19:22:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:44:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	443.8E6	250.6E6	50.720	50.218
2) SA Decachlor...	8.732	8.684	397.2E6	92891086	50.313	48.255
Target Compounds						
16) L4 AR-1242-1	4.778	4.765	140.4E6	74475295	505.918	498.154
17) L4 AR-1242-2	4.797	4.784	194.4E6	106.8E6	503.798	500.644
18) L4 AR-1242-3	4.854	4.959	138.3E6	57809929	496.987	500.162
19) L4 AR-1242-4	4.975	5.043	107.3E6	59712665	507.656	497.194
20) L4 AR-1242-5	5.627	5.564	113.7E6	71571546	502.212	493.267

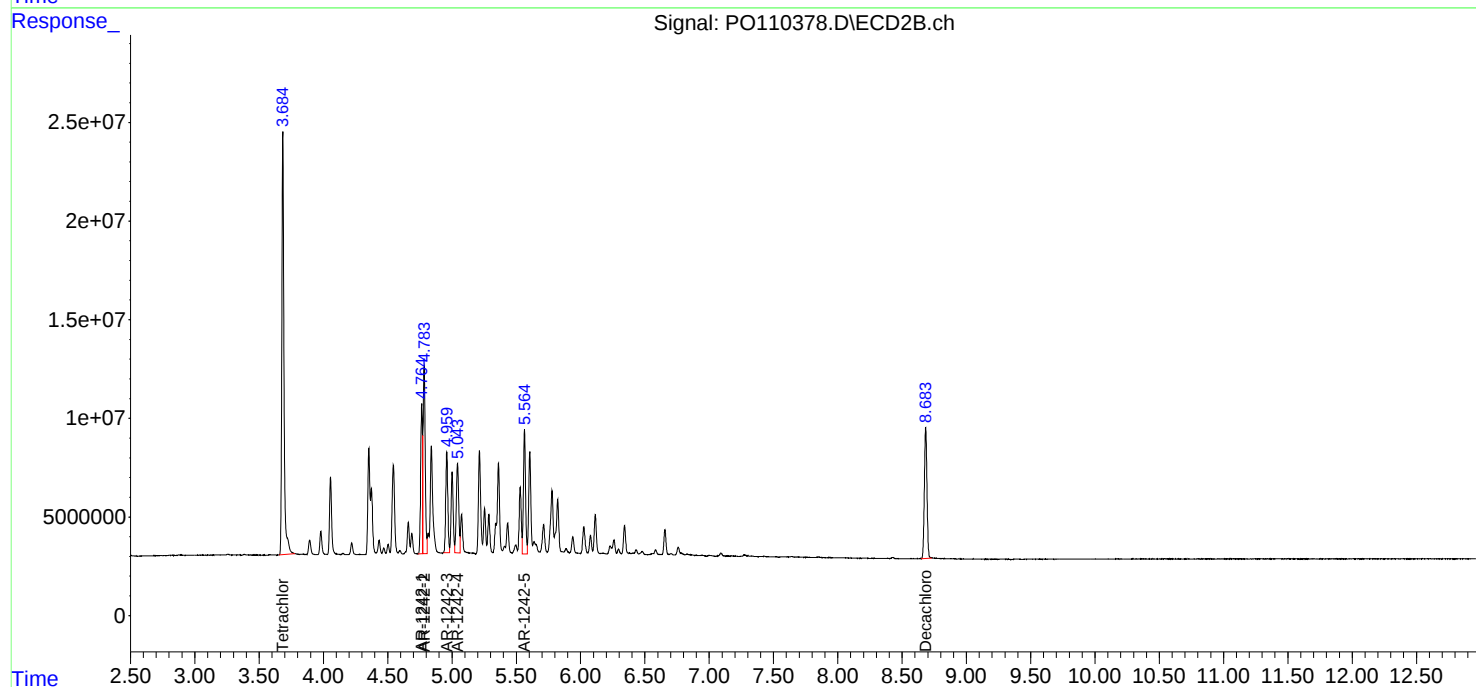
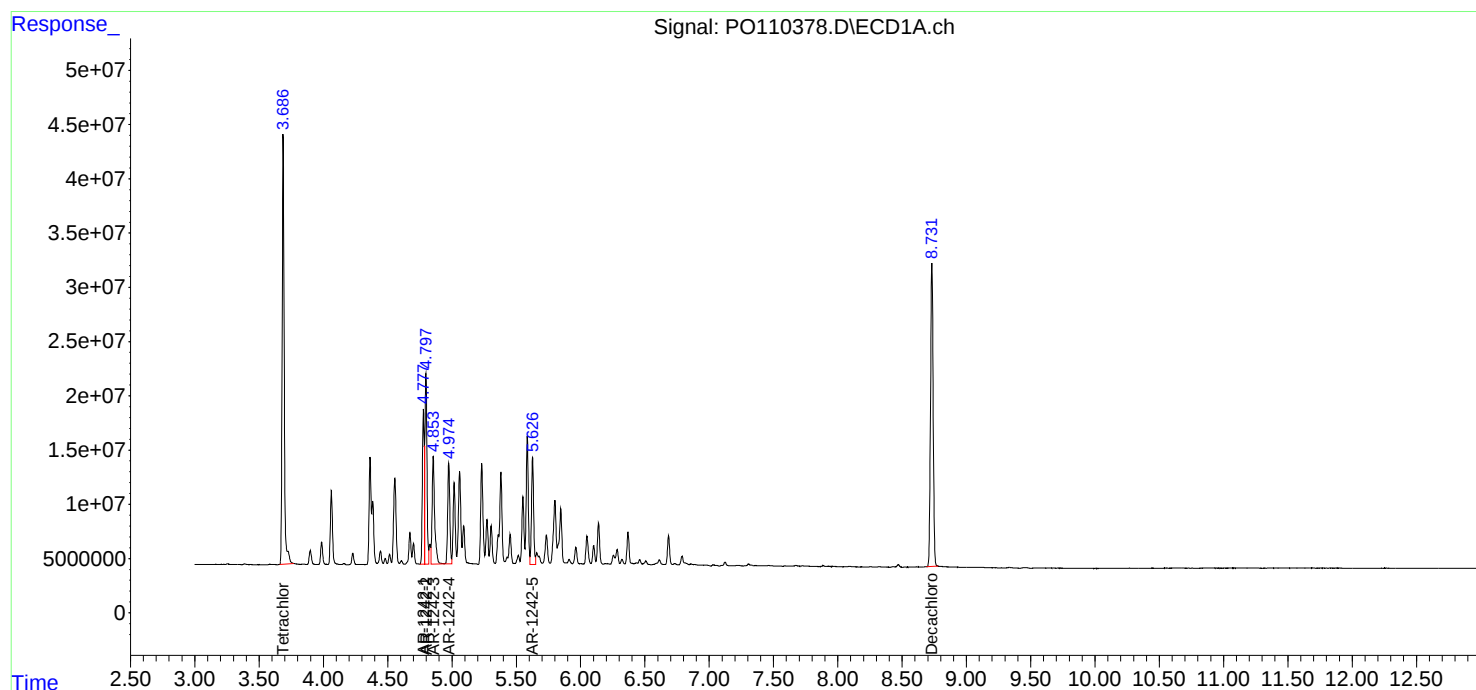
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

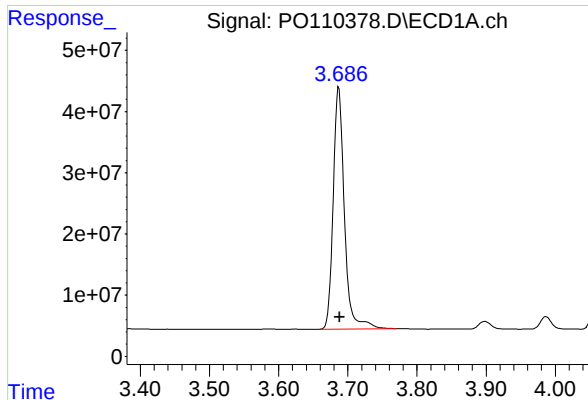
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 18:46
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 19:22:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:44:28 2025
Response via : 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

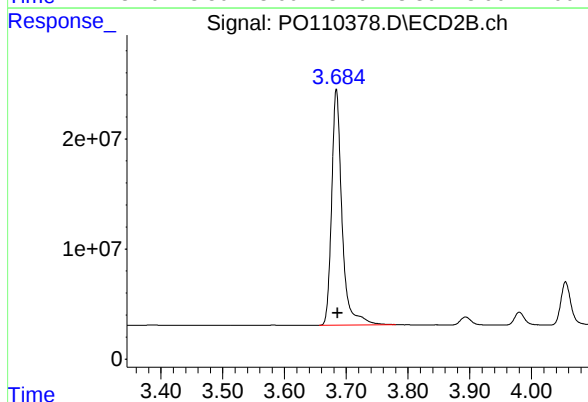




#1 Tetrachloro-m-xylene

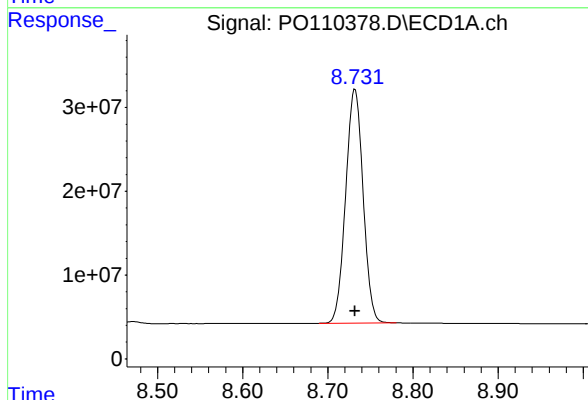
R.T.: 3.687 min
Delta R.T.: -0.001 min
Response: 443754118
Conc: 50.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1242



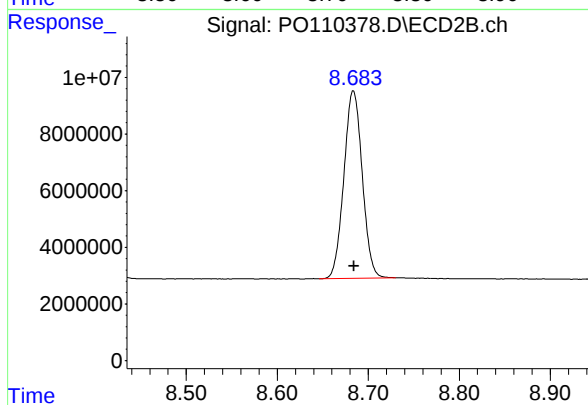
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.002 min
Response: 250576991
Conc: 50.22 ng/ml



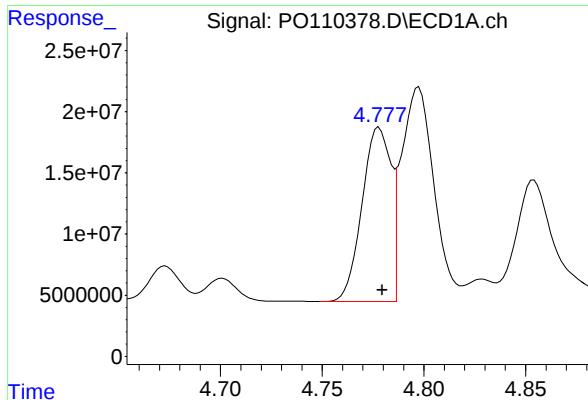
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 397220716
Conc: 50.31 ng/ml



#2 Decachlorobiphenyl

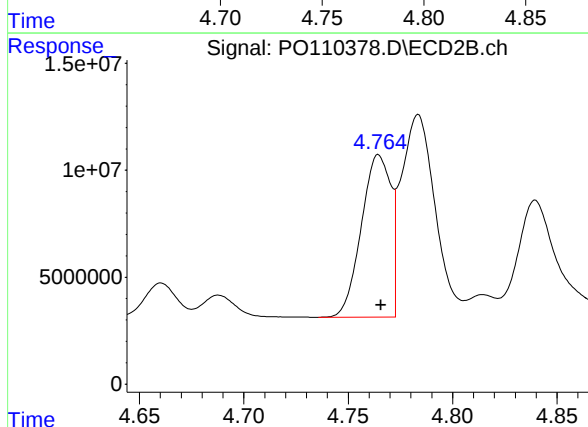
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 92891086
Conc: 48.26 ng/ml



#16 AR-1242-1

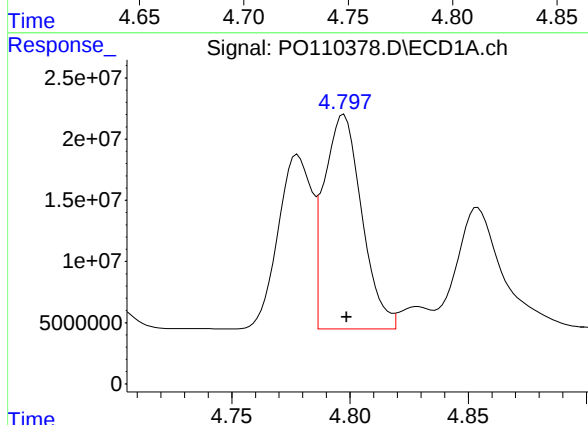
R.T.: 4.778 min
Delta R.T.: -0.002 min
Response: 140409130
Conc: 505.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1242



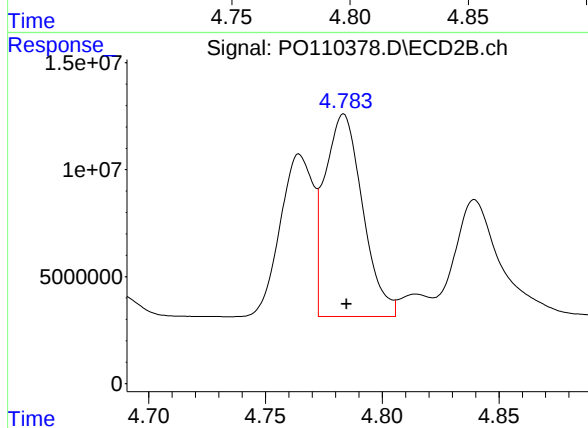
#16 AR-1242-1

R.T.: 4.765 min
Delta R.T.: -0.001 min
Response: 74475295
Conc: 498.15 ng/ml



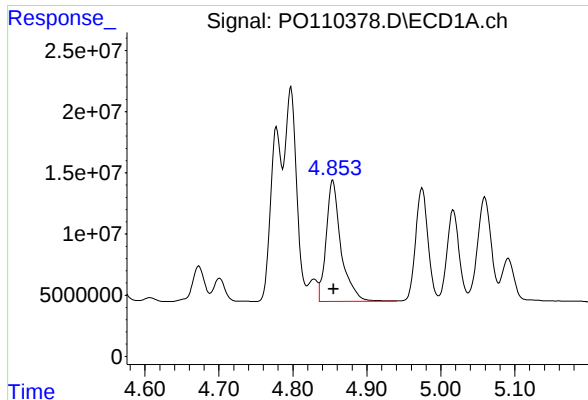
#17 AR-1242-2

R.T.: 4.797 min
Delta R.T.: -0.001 min
Response: 194352025
Conc: 503.80 ng/ml



#17 AR-1242-2

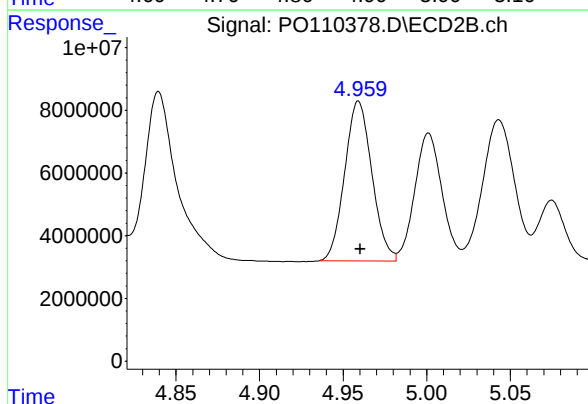
R.T.: 4.784 min
Delta R.T.: -0.001 min
Response: 106818938
Conc: 500.64 ng/ml



#18 AR-1242-3

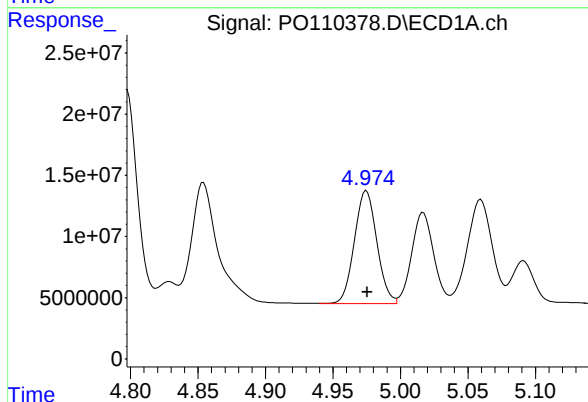
R.T.: 4.854 min
Delta R.T.: -0.001 min
Response: 138262793
Conc: 496.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1242



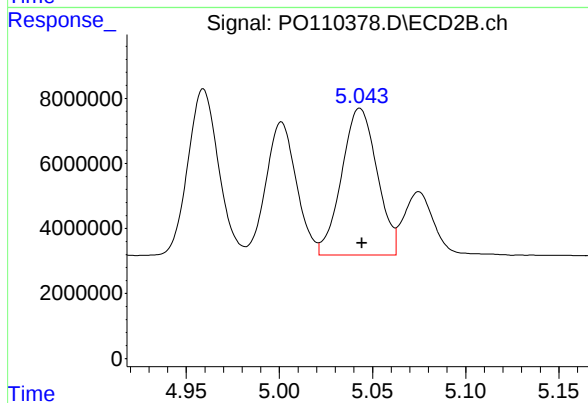
#18 AR-1242-3

R.T.: 4.959 min
Delta R.T.: -0.001 min
Response: 57809929
Conc: 500.16 ng/ml



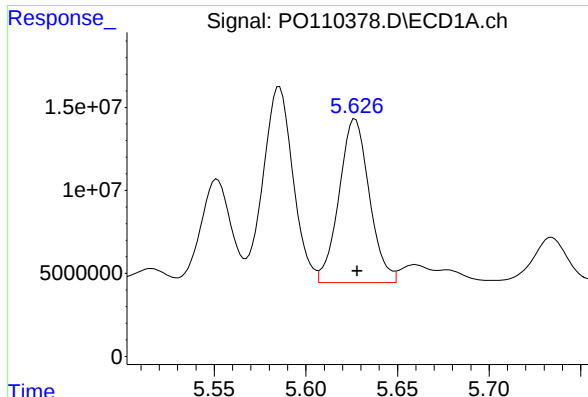
#19 AR-1242-4

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 107301967
Conc: 507.66 ng/ml



#19 AR-1242-4

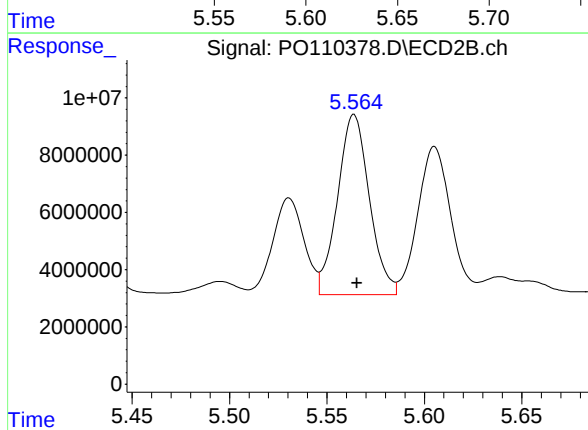
R.T.: 5.043 min
Delta R.T.: -0.001 min
Response: 59712665
Conc: 497.19 ng/ml



#20 AR-1242-5

R.T.: 5.627 min
Delta R.T.: -0.001 min
Response: 113697523
Conc: 502.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1242



#20 AR-1242-5

R.T.: 5.564 min
Delta R.T.: -0.001 min
Response: 71571546
Conc: 493.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110379.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 19:22
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO041025AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 11 01:39:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 01:37:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	439.1E6	246.8E6	51.110	51.053
2) SA Decachlor...	8.732	8.685	400.1E6	92657947	50.360	49.279
Target Compounds						
21) L5 AR-1248-1	4.779	4.765	106.0E6	57397514	498.124	498.537
22) L5 AR-1248-2	5.017	5.002	147.4E6	80796045	498.235	496.039
23) L5 AR-1248-3	5.232	5.044	183.5E6	86306627	495.938	490.780
24) L5 AR-1248-4	5.587	5.214	257.3E6	100.2E6	494.824	491.802
25) L5 AR-1248-5	5.627	5.606	183.1E6	97158423	495.645	492.201

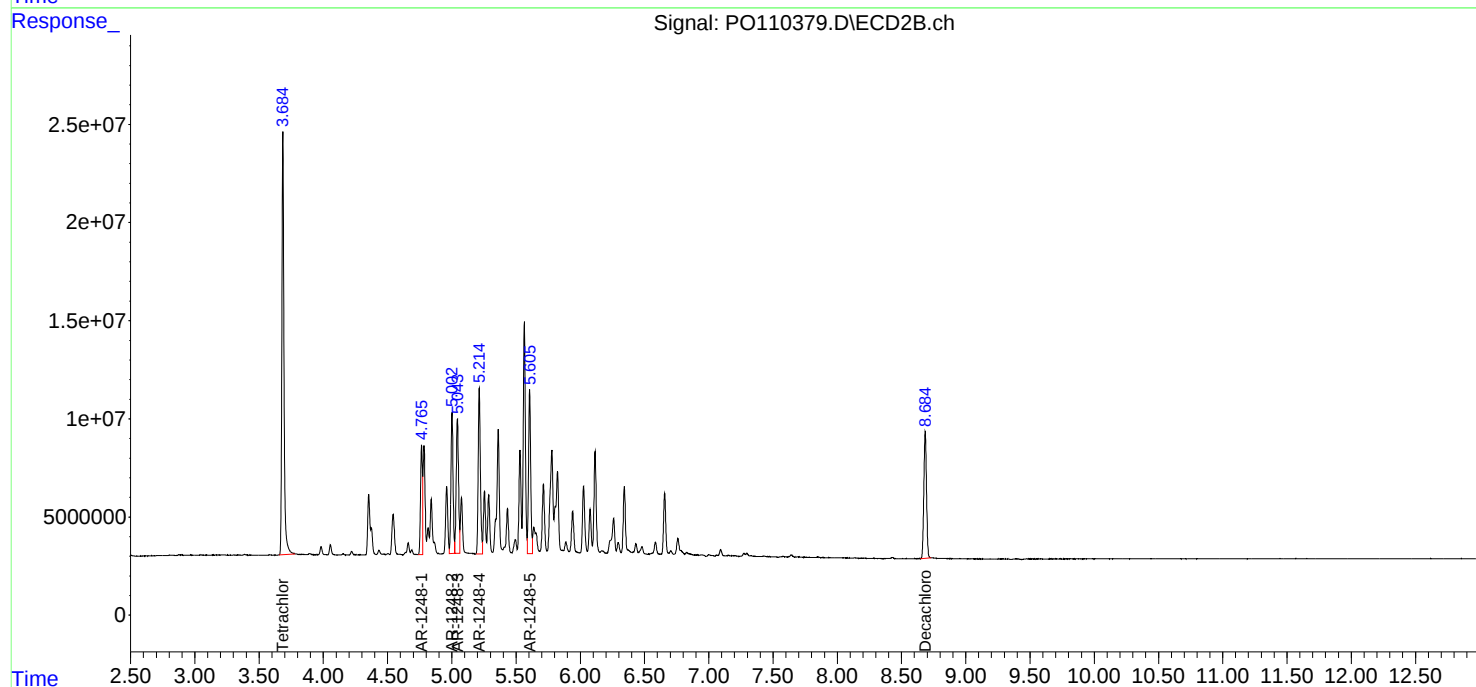
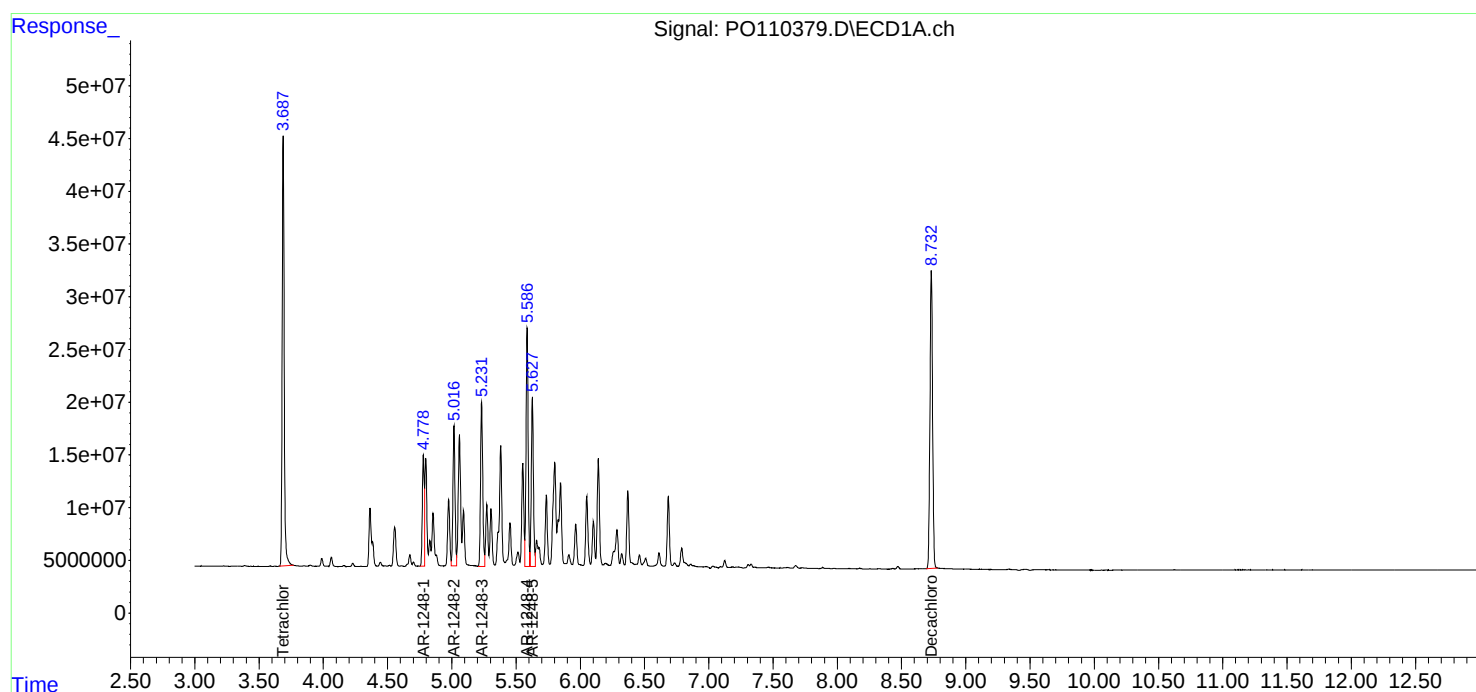
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

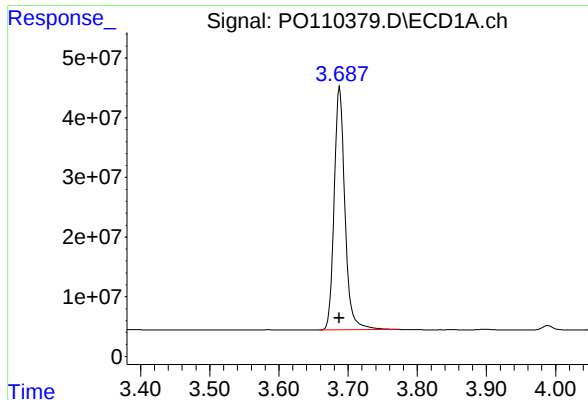
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 19:22
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 11 01:39:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

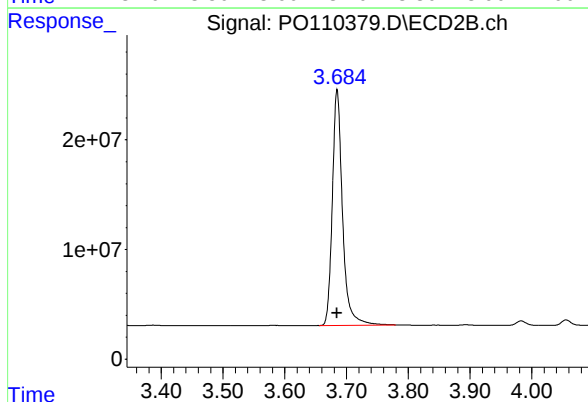




#1 Tetrachloro-m-xylene

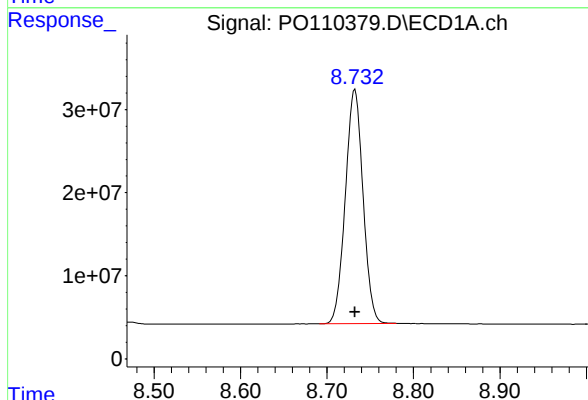
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 439149263
Conc: 51.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1248



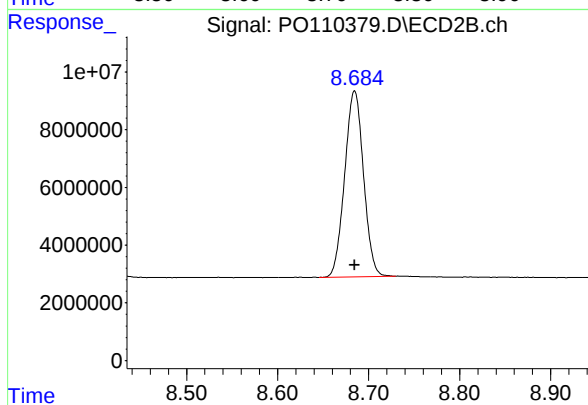
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 246849981
Conc: 51.05 ng/ml



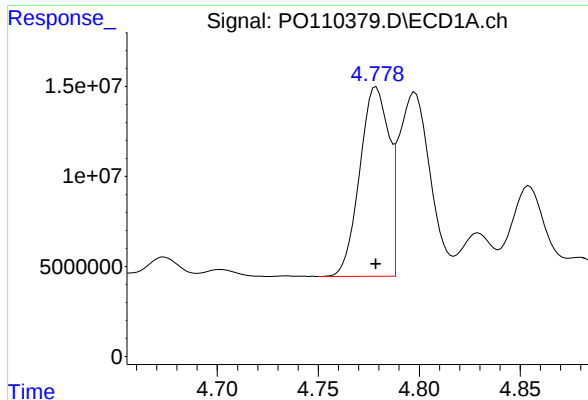
#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 400112620
Conc: 50.36 ng/ml



#2 Decachlorobiphenyl

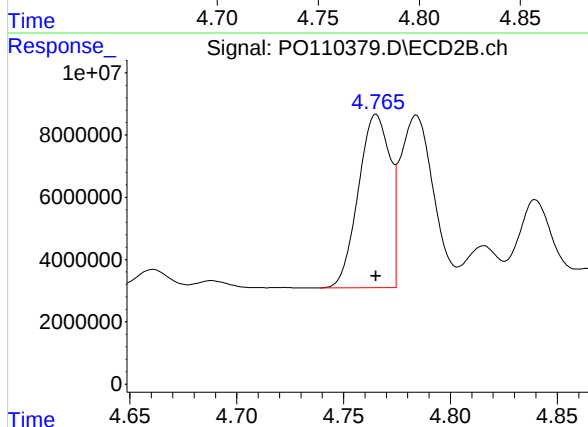
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 92657947
Conc: 49.28 ng/ml



#21 AR-1248-1

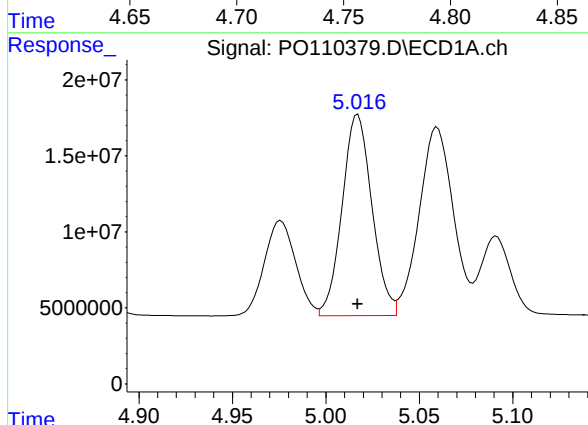
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 106018952
Conc: 498.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1248



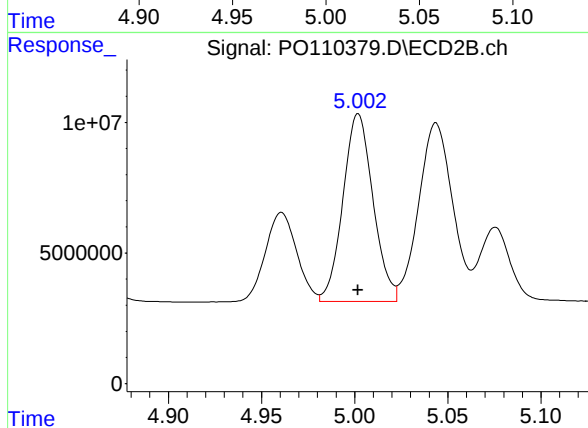
#21 AR-1248-1

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 57397514
Conc: 498.54 ng/ml



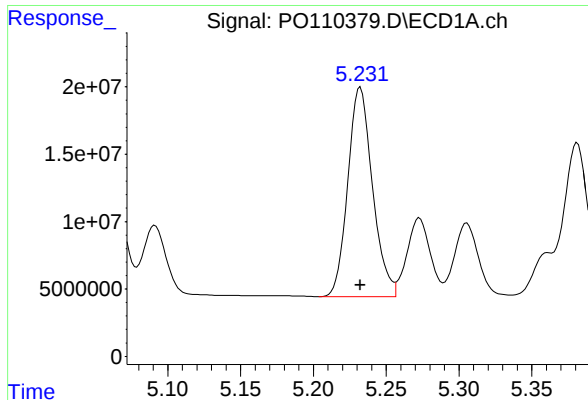
#22 AR-1248-2

R.T.: 5.017 min
Delta R.T.: 0.000 min
Response: 147440286
Conc: 498.24 ng/ml



#22 AR-1248-2

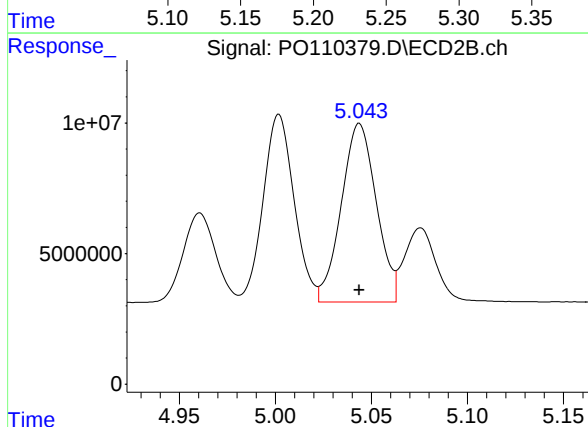
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 80796045
Conc: 496.04 ng/ml



#23 AR-1248-3

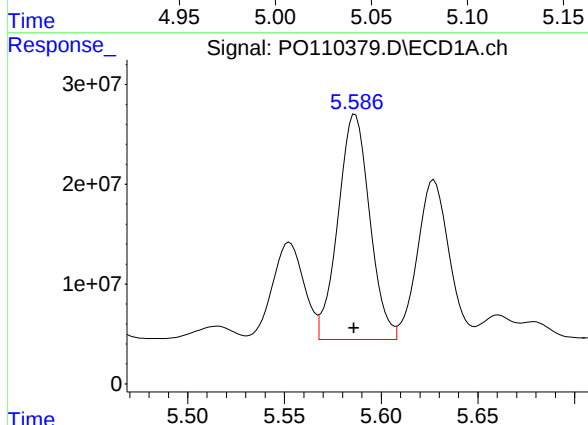
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 183478000
Conc: 495.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1248



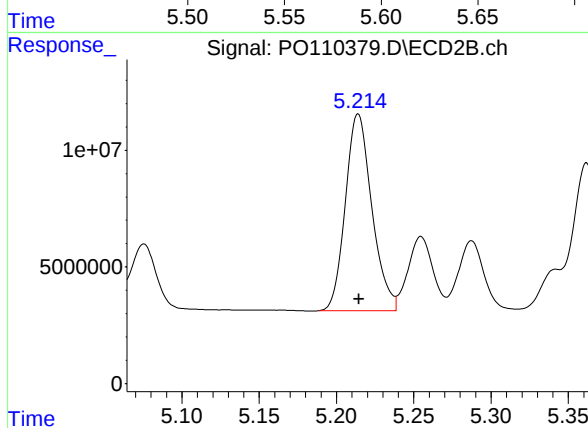
#23 AR-1248-3

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 86306627
Conc: 490.78 ng/ml



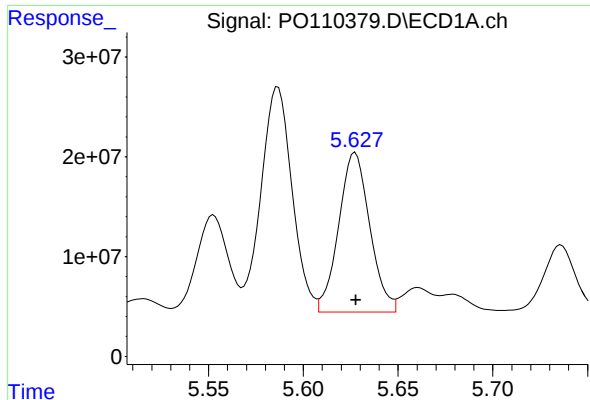
#24 AR-1248-4

R.T.: 5.587 min
Delta R.T.: 0.000 min
Response: 257323549
Conc: 494.82 ng/ml



#24 AR-1248-4

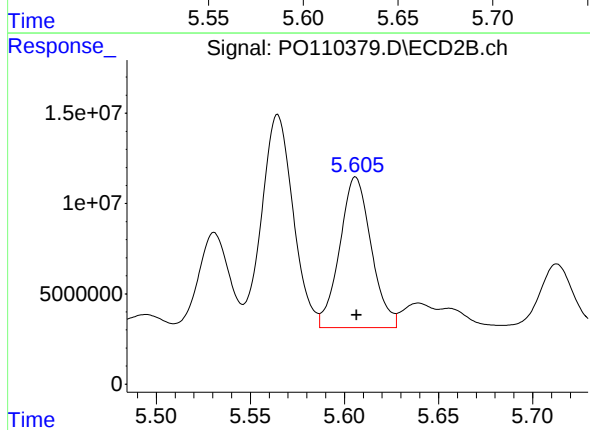
R.T.: 5.214 min
Delta R.T.: 0.000 min
Response: 100169669
Conc: 491.80 ng/ml



#25 AR-1248-5

R.T.: 5.627 min
Delta R.T.: 0.000 min
Response: 183103878
Conc: 495.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1248



#25 AR-1248-5

R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 97158423
Conc: 492.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110380.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 19:58
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO041025AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 11 02:09:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:07:00 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.684	444.9E6	251.2E6	51.100	51.235
2) SA Decachlor...	8.730	8.683	404.8E6	94520608	49.556	49.296
Target Compounds						
26) L6 AR-1254-1	5.585	5.565	274.4E6	147.3E6	491.771	488.501
27) L6 AR-1254-2	5.734	5.713	239.5E6	129.3E6	493.094	488.639
28) L6 AR-1254-3	6.139	6.115	390.3E6	201.0E6	498.314	498.355
29) L6 AR-1254-4	6.369	6.343	241.8E6	114.4E6	495.833	498.111
30) L6 AR-1254-5	6.788	6.760	346.0E6	164.5E6	493.657	494.897

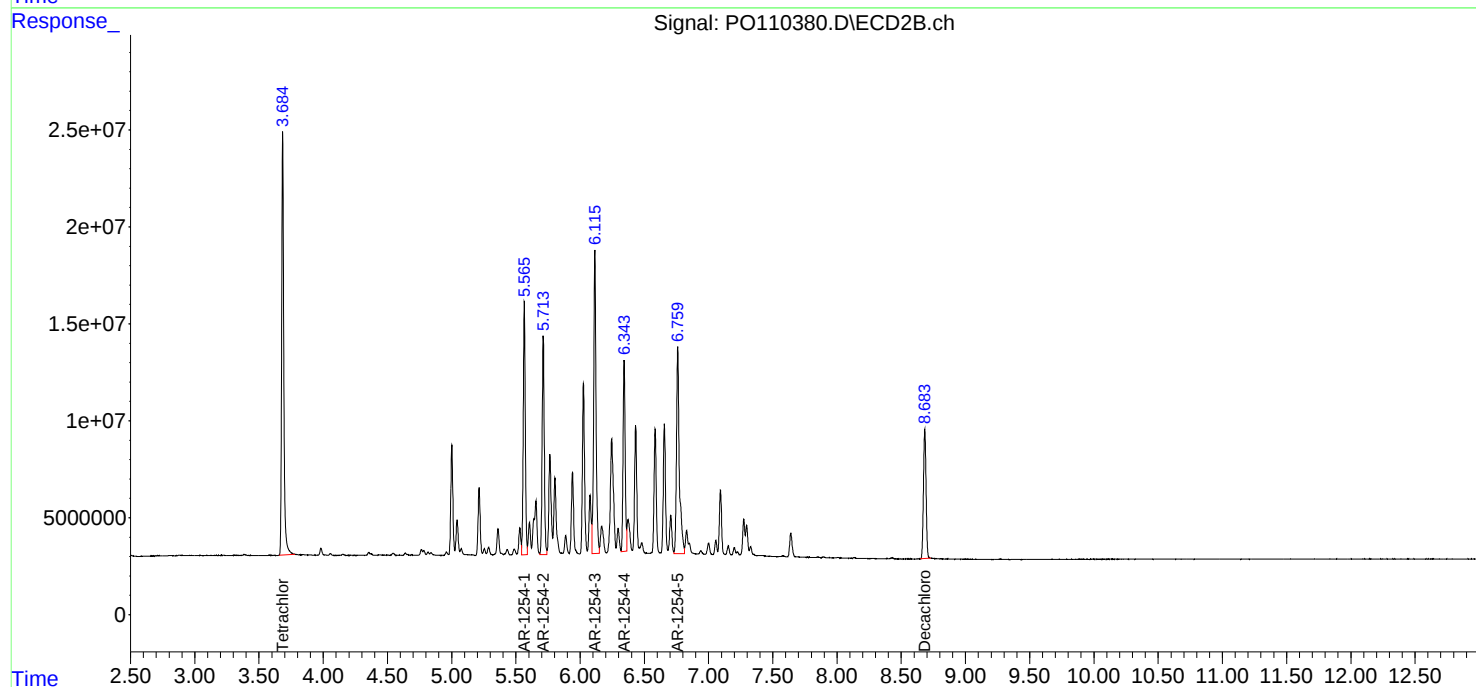
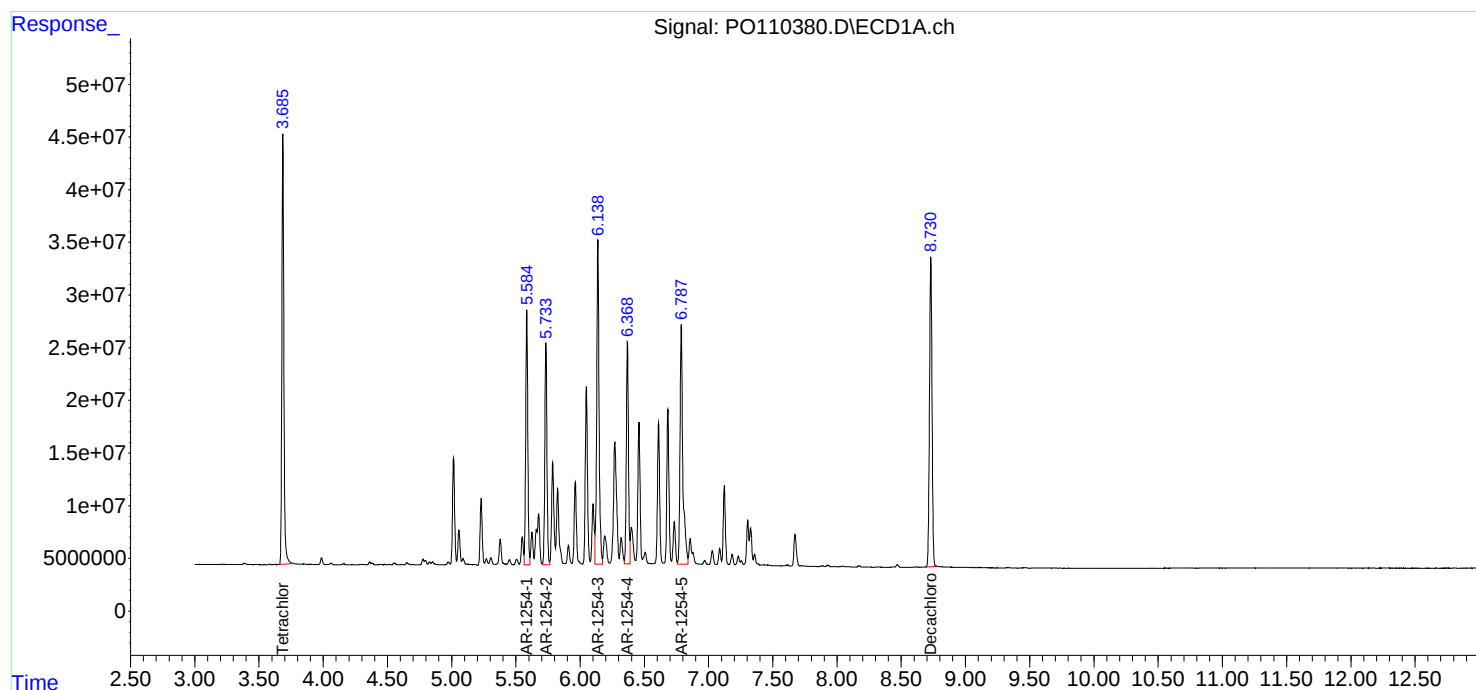
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

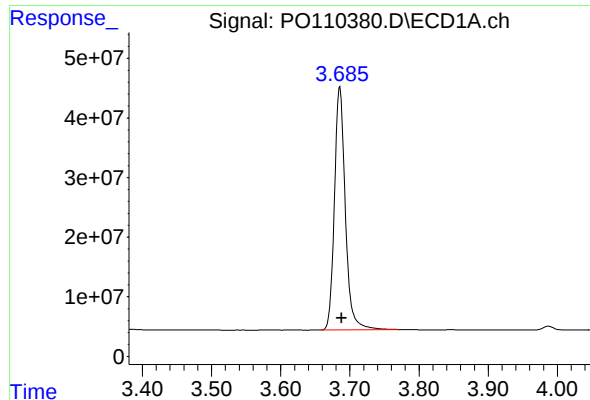
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 19:58
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 11 02:09:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:07:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

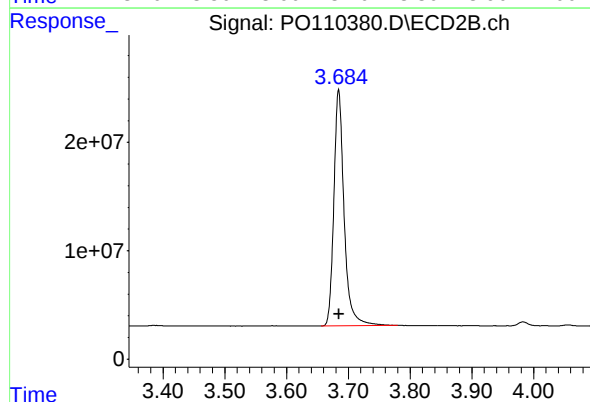




#1 Tetrachloro-m-xylene

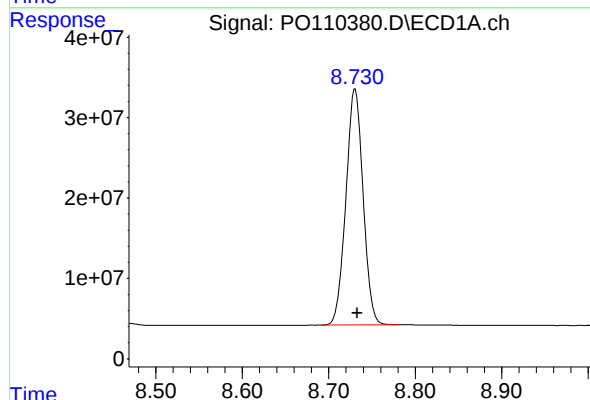
R.T.: 3.686 min
Delta R.T.: -0.002 min
Response: 444900239
Conc: 51.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1254



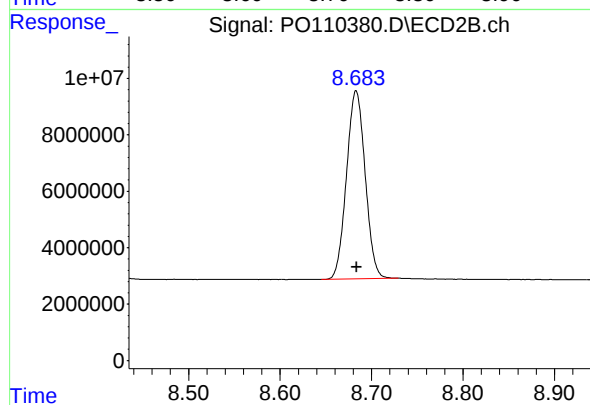
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 251232379
Conc: 51.24 ng/ml



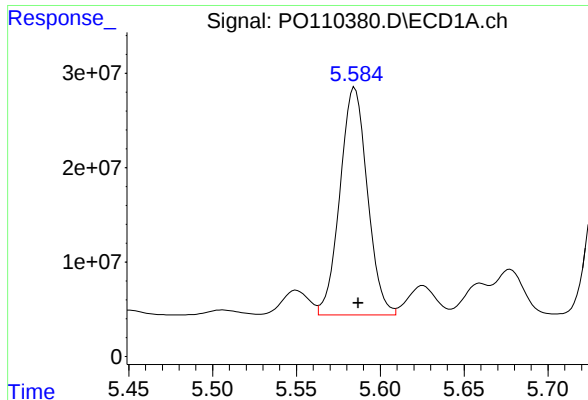
#2 Decachlorobiphenyl

R.T.: 8.730 min
Delta R.T.: -0.003 min
Response: 404777959
Conc: 49.56 ng/ml



#2 Decachlorobiphenyl

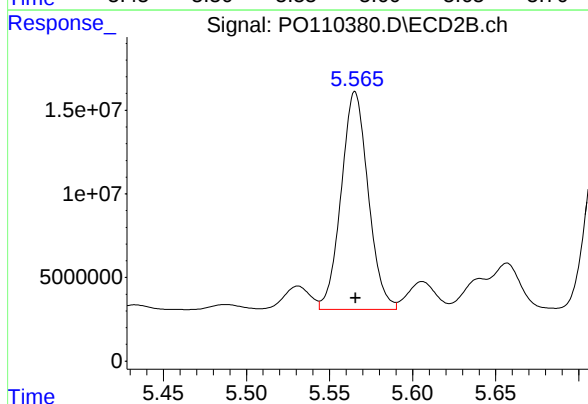
R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 94520608
Conc: 49.30 ng/ml



#26 AR-1254-1

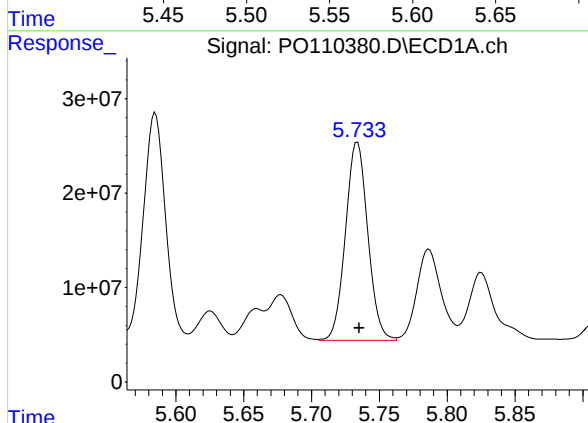
R.T.: 5.585 min
Delta R.T.: -0.002 min
Response: 274402754
Conc: 491.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1254



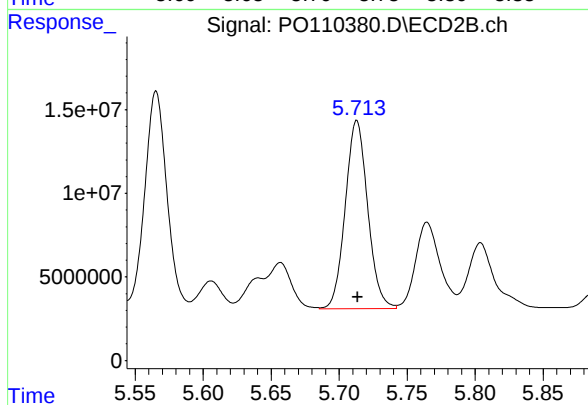
#26 AR-1254-1

R.T.: 5.565 min
Delta R.T.: 0.000 min
Response: 147282616
Conc: 488.50 ng/ml



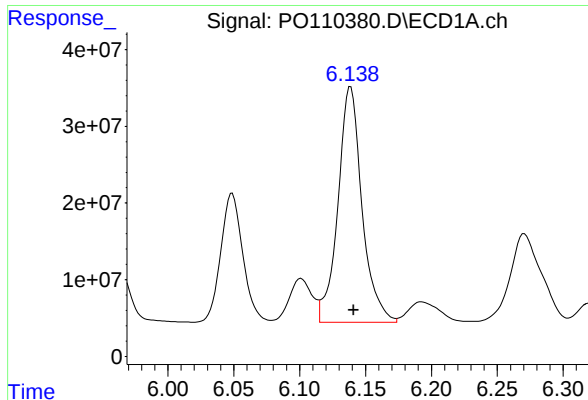
#27 AR-1254-2

R.T.: 5.734 min
Delta R.T.: -0.002 min
Response: 239497012
Conc: 493.09 ng/ml



#27 AR-1254-2

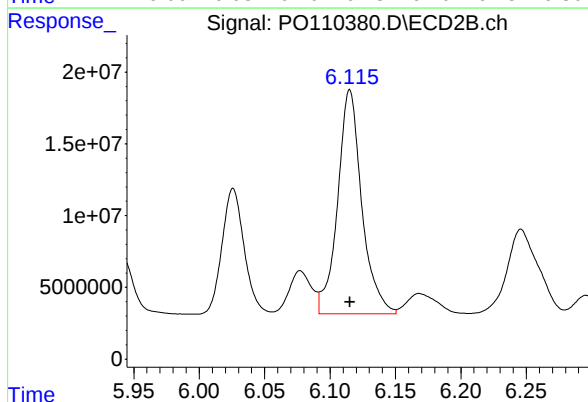
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 129335526
Conc: 488.64 ng/ml



#28 AR-1254-3

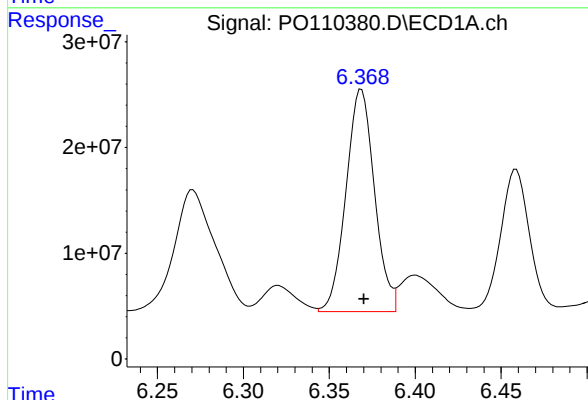
R.T.: 6.139 min
Delta R.T.: -0.002 min
Response: 390290001
Conc: 498.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1254



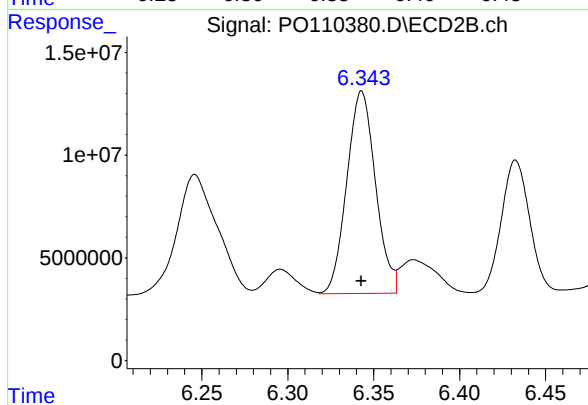
#28 AR-1254-3

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 201044539
Conc: 498.36 ng/ml



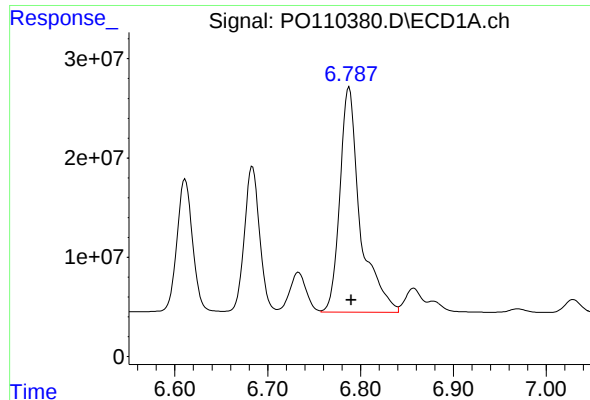
#29 AR-1254-4

R.T.: 6.369 min
Delta R.T.: -0.001 min
Response: 241770989
Conc: 495.83 ng/ml



#29 AR-1254-4

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 114422519
Conc: 498.11 ng/ml



#30 AR-1254-5

R.T.: 6.788 min

Delta R.T.: -0.002 min

Response: 346004179

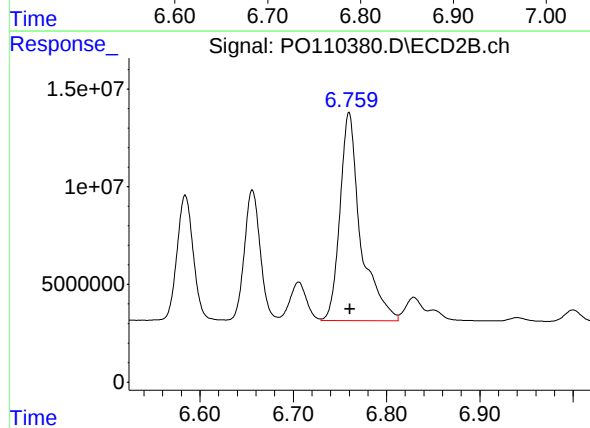
Conc: 493.66 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO041025AR1254



#30 AR-1254-5

R.T.: 6.760 min

Delta R.T.: 0.000 min

Response: 164450224

Conc: 494.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : P0110381.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 20:35
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO041025AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 11 02:13:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.688	3.685	447.9E6	251.5E6	52.934	52.706
2) SA Decachlor...	8.733	8.685	720.6E6	163.2E6	50.087	49.769
Target Compounds						
41) L9 AR-1268-1	7.615	7.581	703.2E6	273.9E6	499.070	501.677
42) L9 AR-1268-2	7.680	7.646	652.7E6	249.2E6	504.213	500.302
43) L9 AR-1268-3	7.887	7.852	529.5E6	185.9E6	503.681	501.520
44) L9 AR-1268-4	8.176	8.137	229.7E6	72282546	519.956	512.014
45) L9 AR-1268-5	8.472	8.430	1642.7E6	393.7E6	499.897	496.919

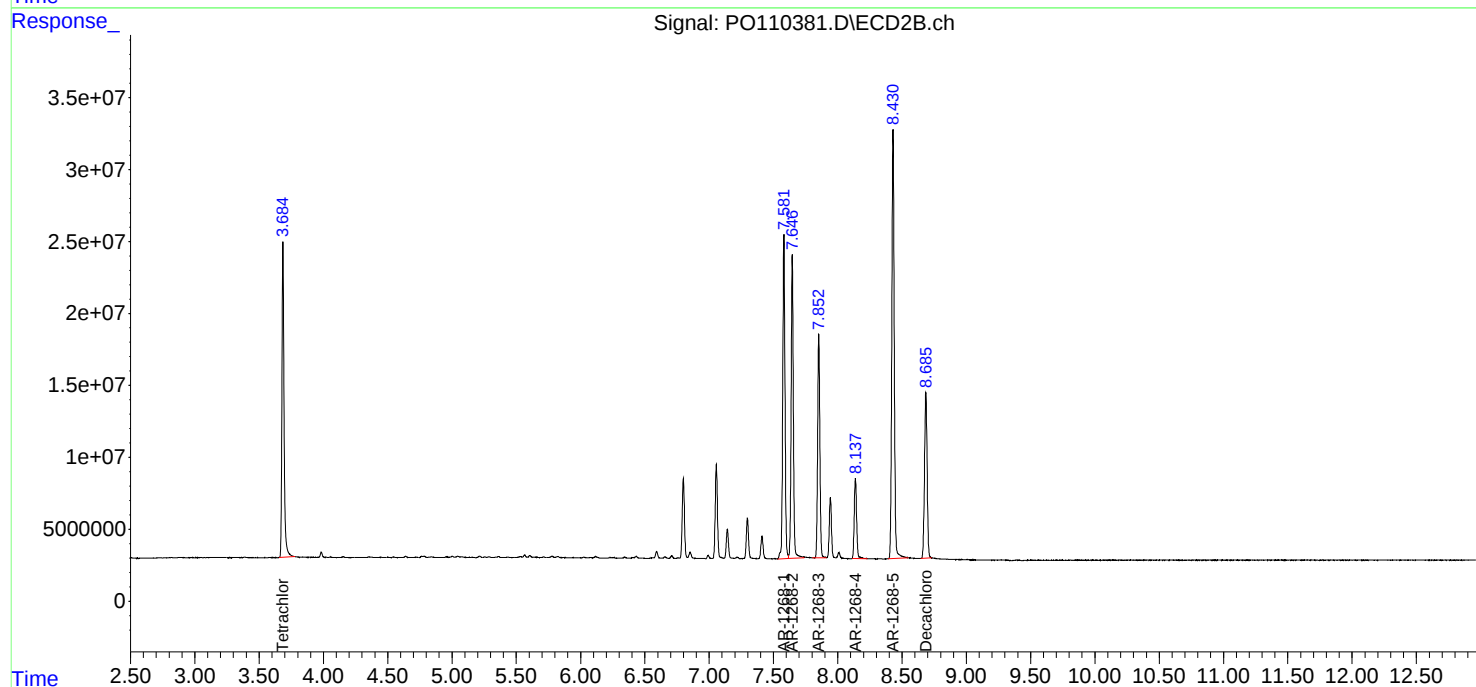
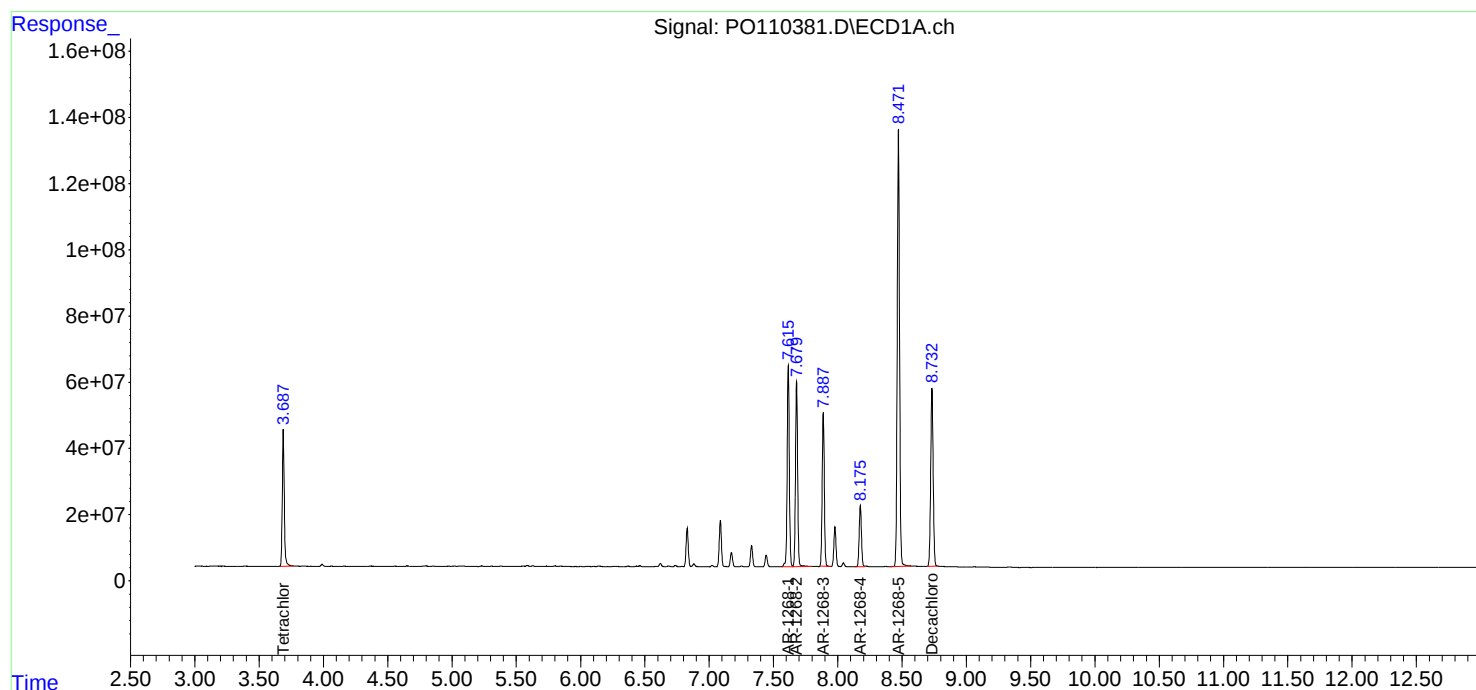
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

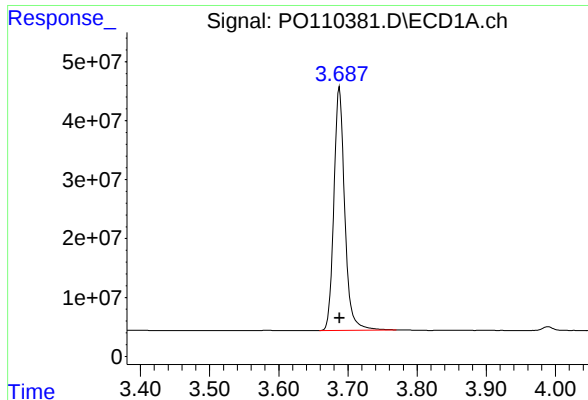
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 20:35
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 11 02:13:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

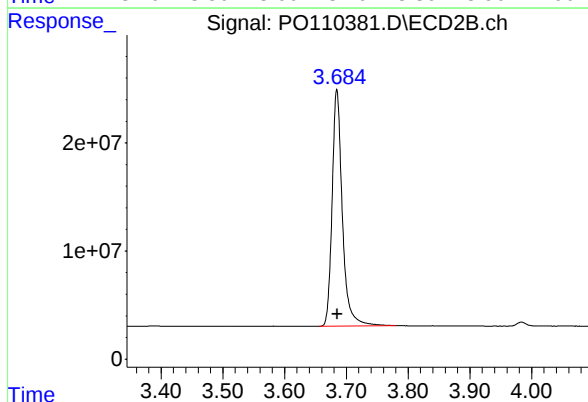




#1 Tetrachloro-m-xylene

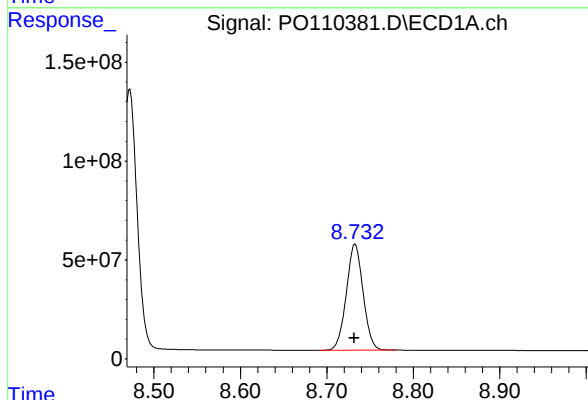
R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 447894257
Conc: 52.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1268



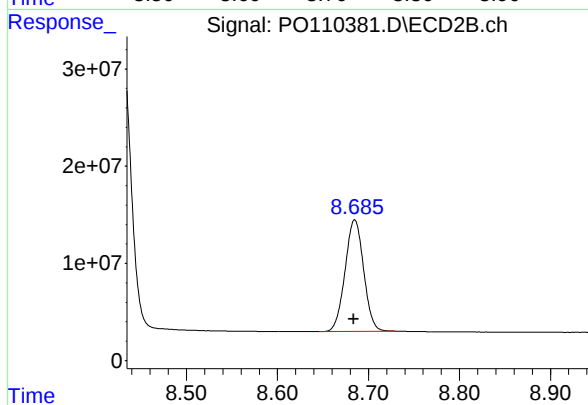
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 251543531
Conc: 52.71 ng/ml



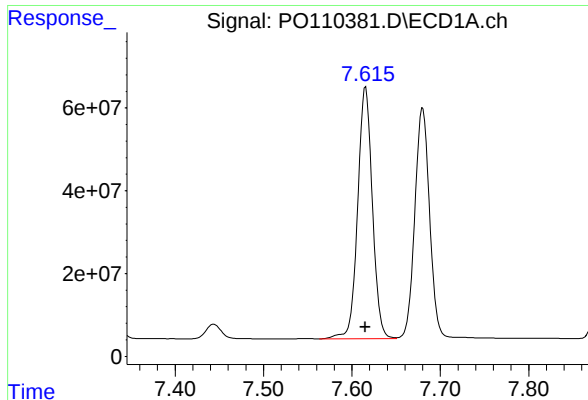
#2 Decachlorobiphenyl

R.T.: 8.733 min
Delta R.T.: 0.001 min
Response: 720557931
Conc: 50.09 ng/ml



#2 Decachlorobiphenyl

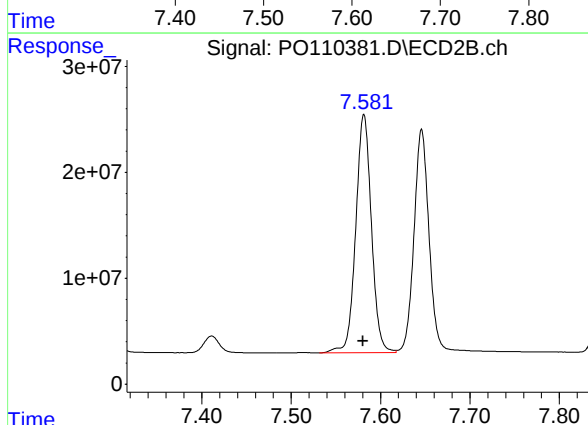
R.T.: 8.685 min
Delta R.T.: 0.001 min
Response: 163169409
Conc: 49.77 ng/ml



#41 AR-1268-1

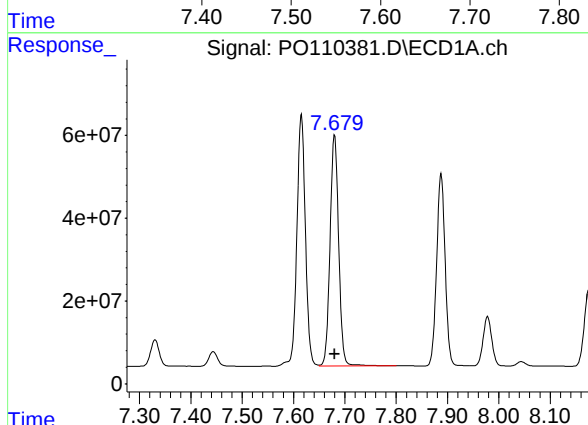
R.T.: 7.615 min
Delta R.T.: 0.000 min
Response: 703246486
Conc: 499.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1268



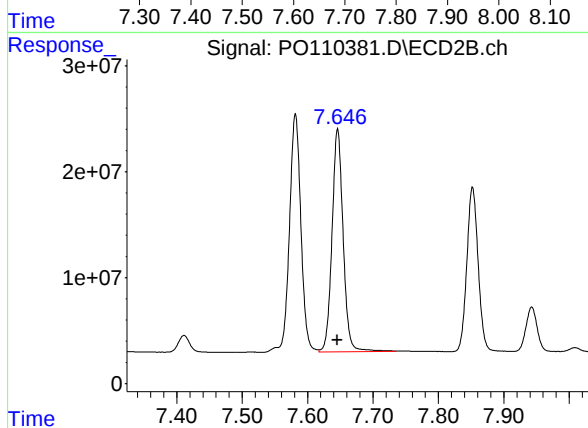
#41 AR-1268-1

R.T.: 7.581 min
Delta R.T.: 0.001 min
Response: 273859995
Conc: 501.68 ng/ml



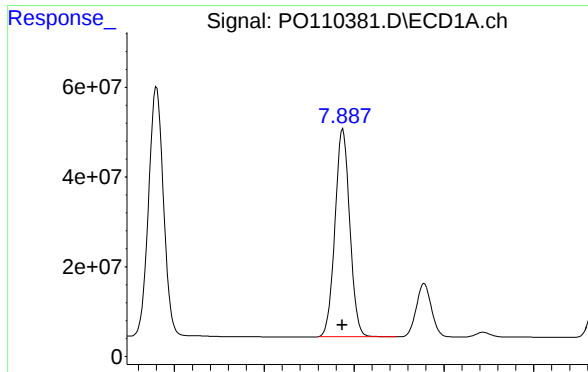
#42 AR-1268-2

R.T.: 7.680 min
Delta R.T.: 0.000 min
Response: 652667543
Conc: 504.21 ng/ml



#42 AR-1268-2

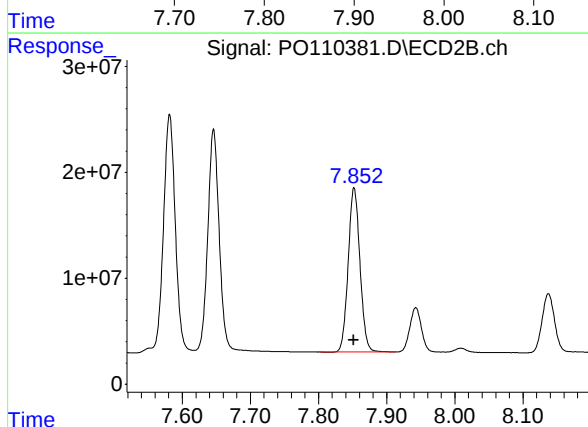
R.T.: 7.646 min
Delta R.T.: 0.000 min
Response: 249160771
Conc: 500.30 ng/ml



#43 AR-1268-3

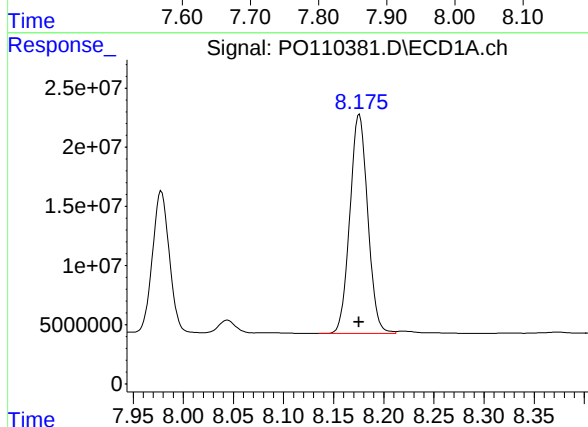
R.T.: 7.887 min
Delta R.T.: 0.000 min
Response: 529533142
Conc: 503.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1268



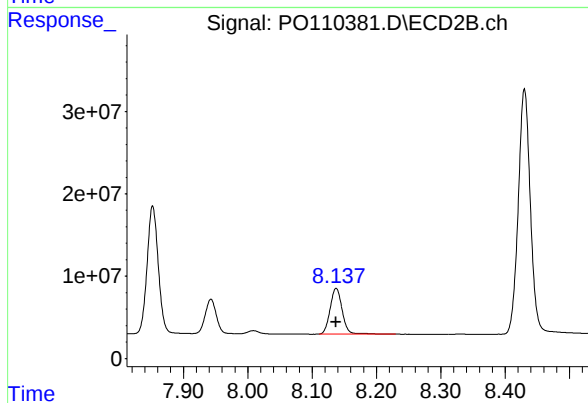
#43 AR-1268-3

R.T.: 7.852 min
Delta R.T.: 0.000 min
Response: 185920985
Conc: 501.52 ng/ml



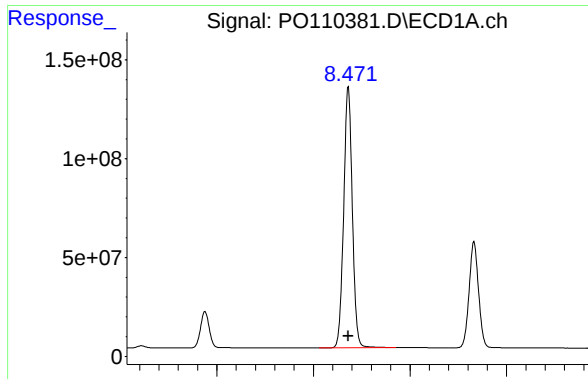
#44 AR-1268-4

R.T.: 8.176 min
Delta R.T.: 0.000 min
Response: 229738508
Conc: 519.96 ng/ml



#44 AR-1268-4

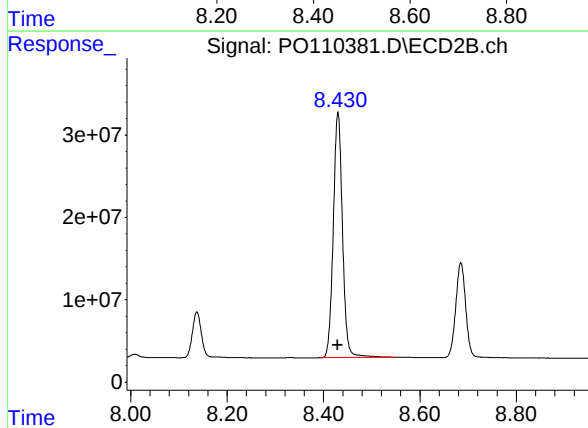
R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 72282546
Conc: 512.01 ng/ml



#45 AR-1268-5

R.T.: 8.472 min
Delta R.T.: 0.000 min
Response: 1642717623
Conc: 499.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO041025AR1268



#45 AR-1268-5

R.T.: 8.430 min
Delta R.T.: 0.000 min
Response: 393682568
Conc: 496.92 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 08:44 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.83	6.83	6.73	6.93	0.00
Aroclor-1260-4	(4)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 08:44 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.59	6.49	6.69	0.01
Aroclor-1260-4	(4)	7.06	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.68	3.69	3.59	3.79	0.01
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL01 Date Analyzed: 04/23/2025

Lab Sample No.: AR1660CCC500 Data File : PO110638.D Time Analyzed: 08:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.776	4.679	4.879	549.930	500.000	10.0
Aroclor-1016-2	4.796	4.698	4.898	551.570	500.000	10.3
Aroclor-1016-3	4.852	4.755	4.955	537.620	500.000	7.5
Aroclor-1016-4	4.972	4.875	5.075	547.360	500.000	9.5
Aroclor-1016-5	5.228	5.132	5.332	518.290	500.000	3.7
Aroclor-1260-1	6.269	6.172	6.372	576.780	500.000	15.4
Aroclor-1260-2	6.458	6.360	6.560	550.750	500.000	10.2
Aroclor-1260-3	6.826	6.729	6.929	509.730	500.000	1.9
Aroclor-1260-4	7.086	6.988	7.188	498.950	500.000	-0.2
Aroclor-1260-5	7.328	7.230	7.430	503.370	500.000	0.7
Decachlorobiphenyl	8.730	8.632	8.832	45.790	50.000	-8.4
Tetrachloro-m-xylene	3.686	3.588	3.788	55.810	50.000	11.6



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL01 Date Analyzed: 04/23/2025

Lab Sample No.: AR1660CCC500 Data File : PO110638.D Time Analyzed: 08:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.762	4.666	4.866	525.760	500.000	5.2
Aroclor-1016-2	4.781	4.684	4.884	522.330	500.000	4.5
Aroclor-1016-3	4.957	4.860	5.060	513.380	500.000	2.7
Aroclor-1016-4	4.999	4.902	5.102	421.440	500.000	-15.7
Aroclor-1016-5	5.212	5.115	5.315	583.490	500.000	16.7
Aroclor-1260-1	6.242	6.146	6.346	530.130	500.000	6.0
Aroclor-1260-2	6.431	6.334	6.534	512.290	500.000	2.5
Aroclor-1260-3	6.583	6.487	6.687	494.610	500.000	-1.1
Aroclor-1260-4	7.055	6.957	7.157	494.230	500.000	-1.2
Aroclor-1260-5	7.295	7.197	7.397	495.190	500.000	-1.0
Decachlorobiphenyl	8.681	8.584	8.784	47.490	50.000	-5.0
Tetrachloro-m-xylene	3.683	3.586	3.786	54.270	50.000	8.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0042325\
 Data File : PO110638.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 08:44
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:08:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.683	488.3E6	270.8E6	55.809	54.267
2) SA Decachlor...	8.730	8.681	361.5E6	91411784	45.785	47.487
Target Compounds						
3) L1 AR-1016-1	4.776	4.762	180.5E6	92276638	549.934	525.764
4) L1 AR-1016-2	4.796	4.781	250.9E6	131.3E6	551.573	522.333
5) L1 AR-1016-3	4.852	4.957	173.4E6	69670605	537.623	513.375
6) L1 AR-1016-4	4.972	4.999	136.4E6	48198785	547.365	421.436
7) L1 AR-1016-5	5.228	5.212	139.4E6	86982379	518.289m	583.485
31) L7 AR-1260-1	6.269	6.242	272.5E6	130.4E6	576.781	530.128
32) L7 AR-1260-2	6.458	6.431	323.0E6	149.5E6	550.750	512.294
33) L7 AR-1260-3	6.826	6.583	251.2E6	134.0E6	509.728	494.607
34) L7 AR-1260-4	7.086	7.055	211.8E6	99161354	498.955	494.225
35) L7 AR-1260-5	7.328	7.295	525.2E6	227.2E6	503.367	495.189

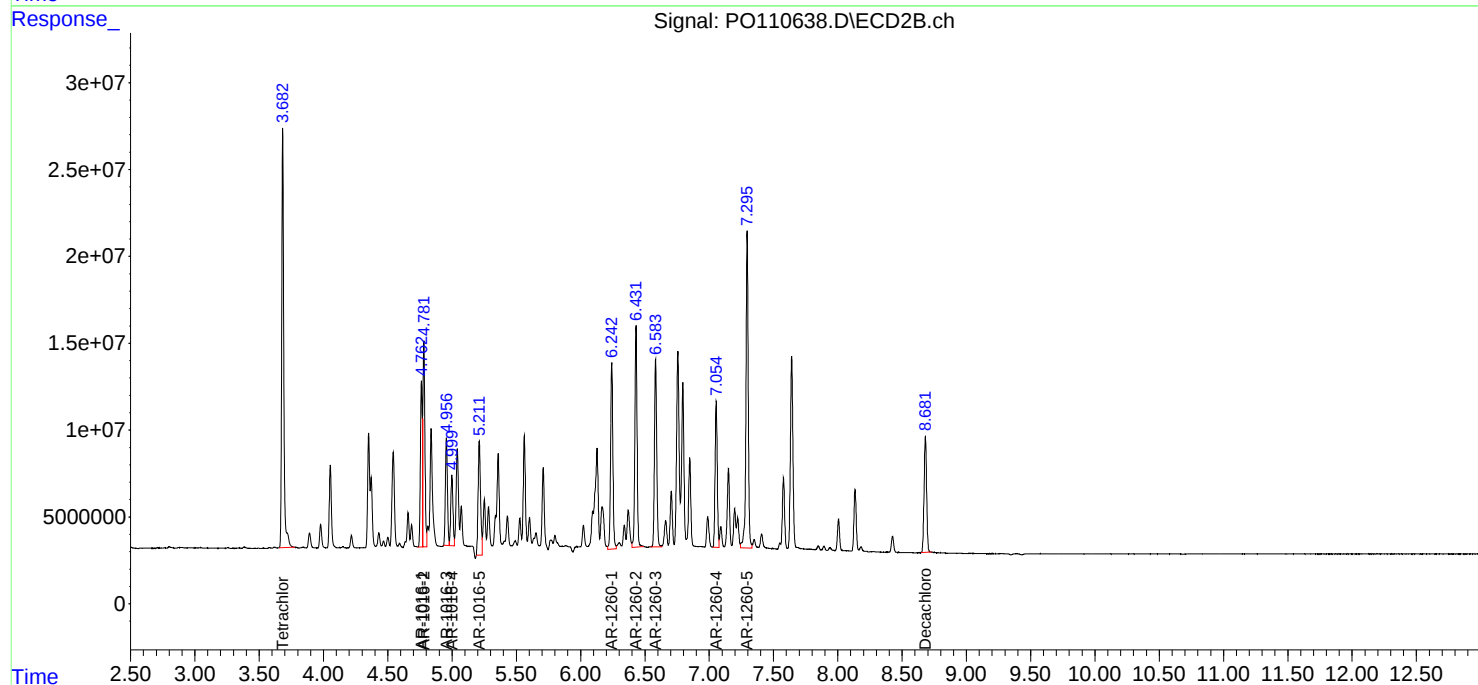
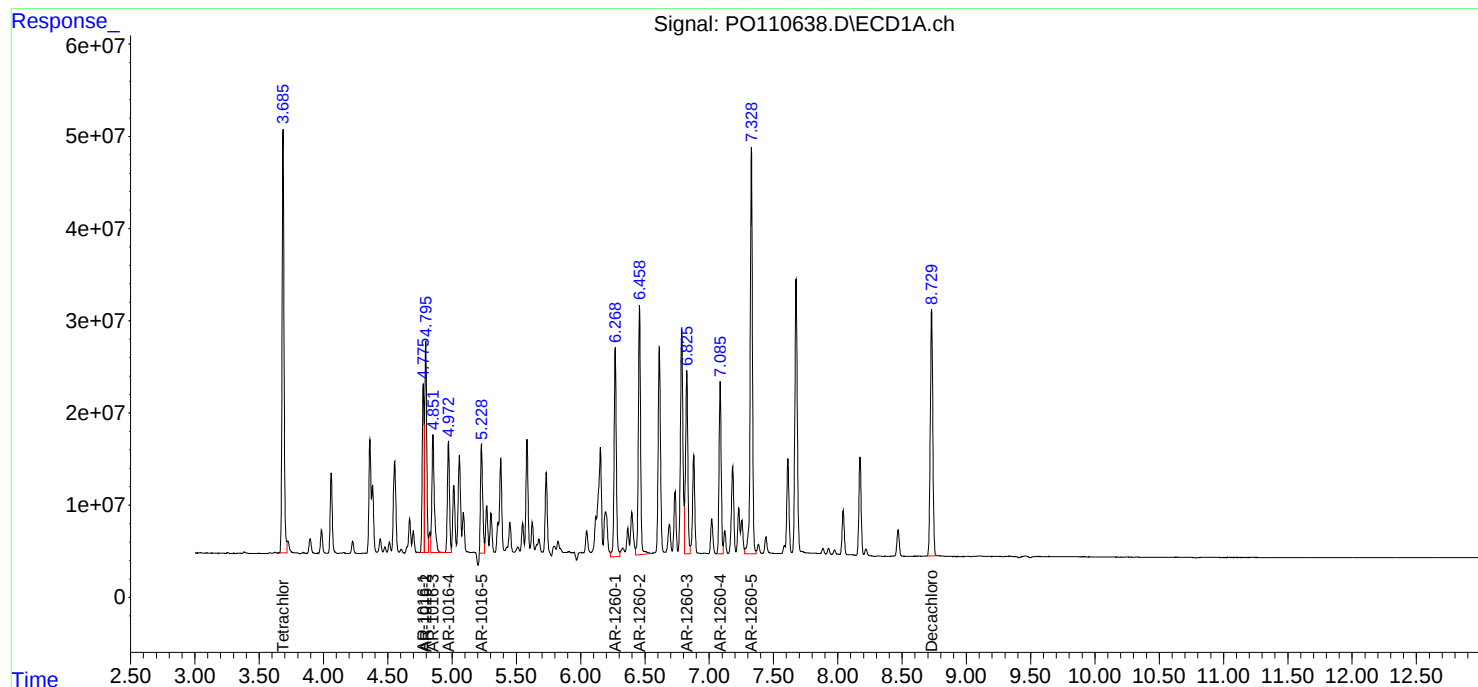
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

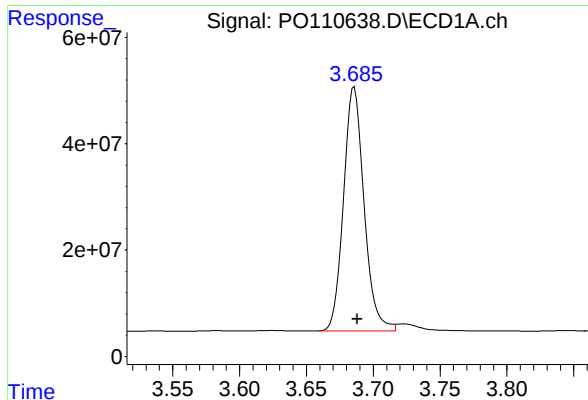
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 08:44
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:08:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : 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

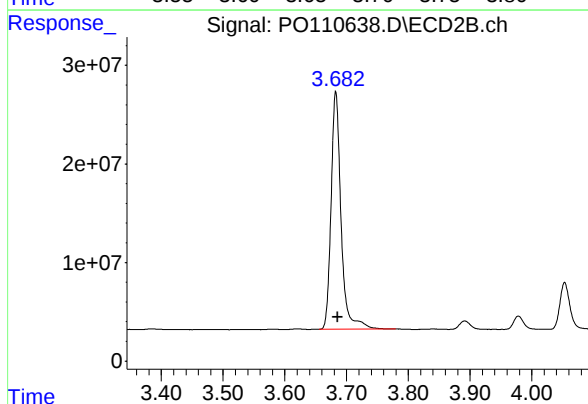




#1 Tetrachloro-m-xylene

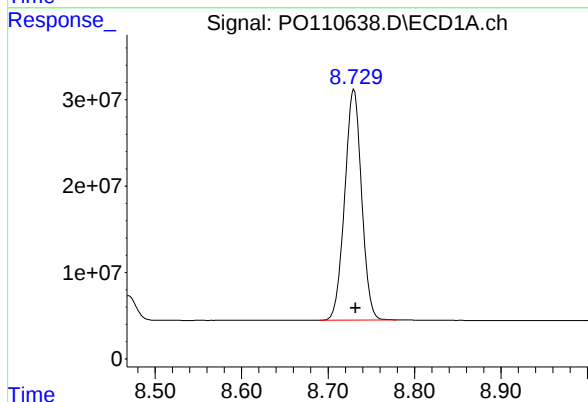
R.T.: 3.686 min
Delta R.T.: -0.002 min
Response: 488275527
Conc: 55.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



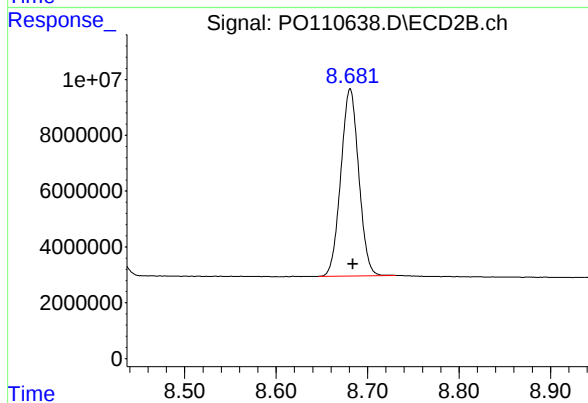
#1 Tetrachloro-m-xylene

R.T.: 3.683 min
Delta R.T.: -0.003 min
Response: 270780962
Conc: 54.27 ng/ml



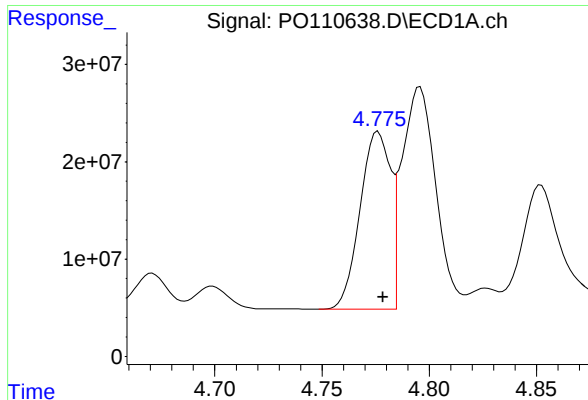
#2 Decachlorobiphenyl

R.T.: 8.730 min
Delta R.T.: -0.002 min
Response: 361471076
Conc: 45.79 ng/ml



#2 Decachlorobiphenyl

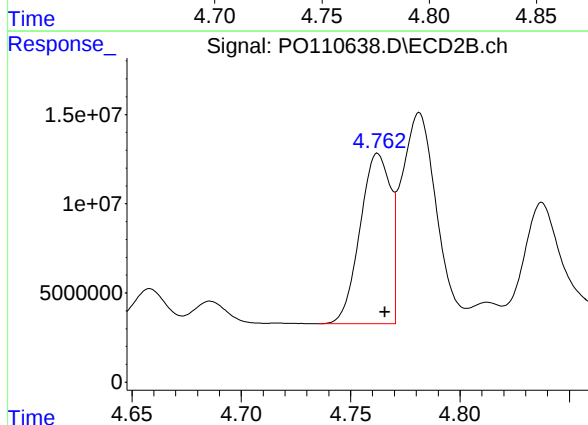
R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 91411784
Conc: 47.49 ng/ml



#3 AR-1016-1

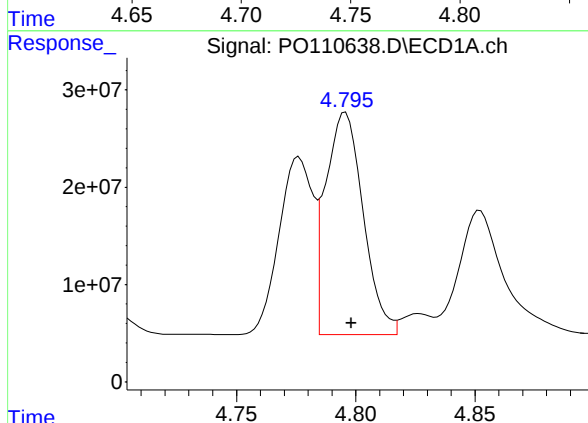
R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 180457199
Conc: 549.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



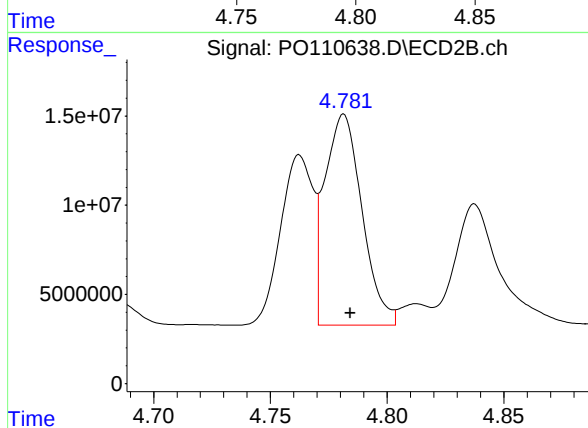
#3 AR-1016-1

R.T.: 4.762 min
Delta R.T.: -0.003 min
Response: 92276638
Conc: 525.76 ng/ml



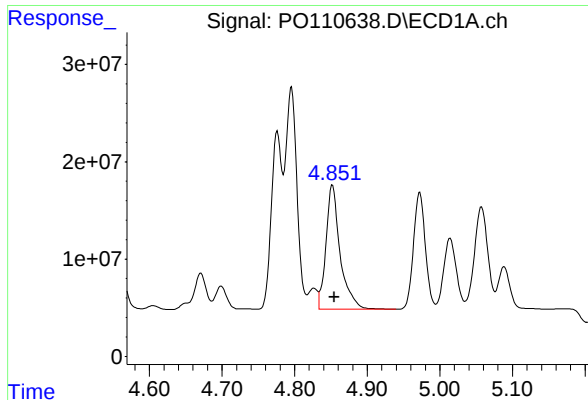
#4 AR-1016-2

R.T.: 4.796 min
Delta R.T.: -0.002 min
Response: 250937288
Conc: 551.57 ng/ml



#4 AR-1016-2

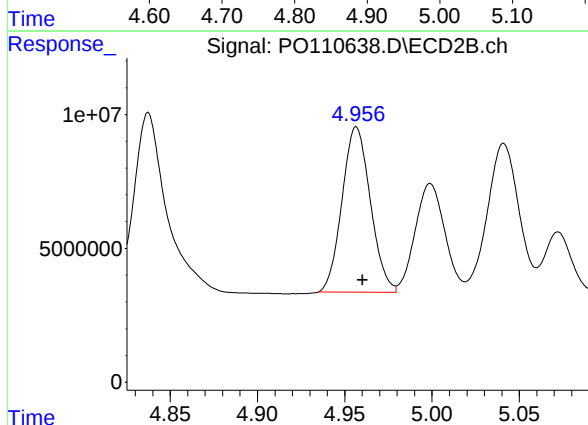
R.T.: 4.781 min
Delta R.T.: -0.003 min
Response: 131348421
Conc: 522.33 ng/ml



#5 AR-1016-3

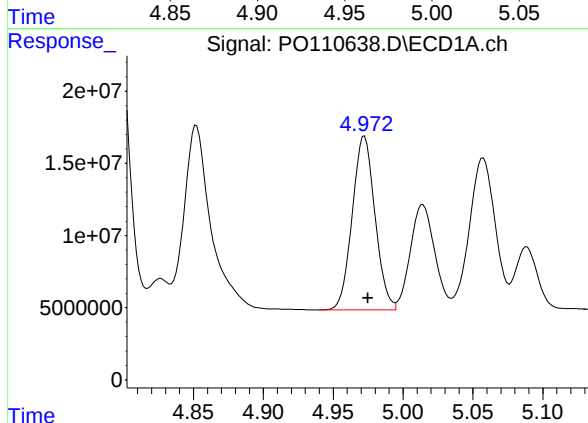
R.T.: 4.852 min
Delta R.T.: -0.003 min
Response: 173398152
Conc: 537.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



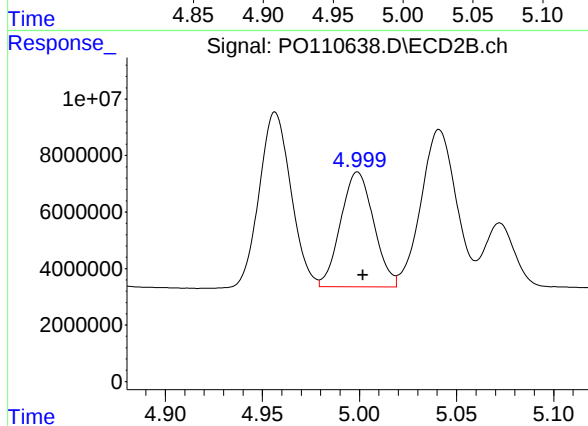
#5 AR-1016-3

R.T.: 4.957 min
Delta R.T.: -0.004 min
Response: 69670605
Conc: 513.38 ng/ml



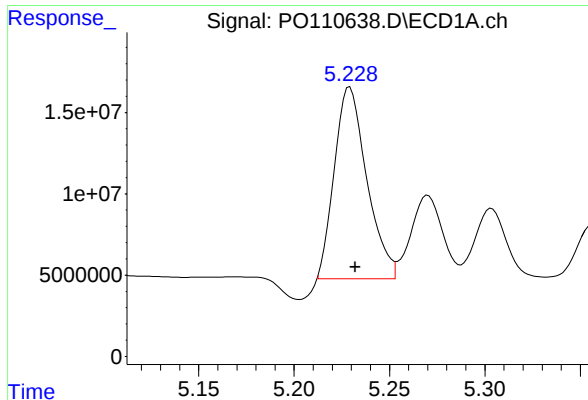
#6 AR-1016-4

R.T.: 4.972 min
Delta R.T.: -0.003 min
Response: 136383801
Conc: 547.36 ng/ml



#6 AR-1016-4

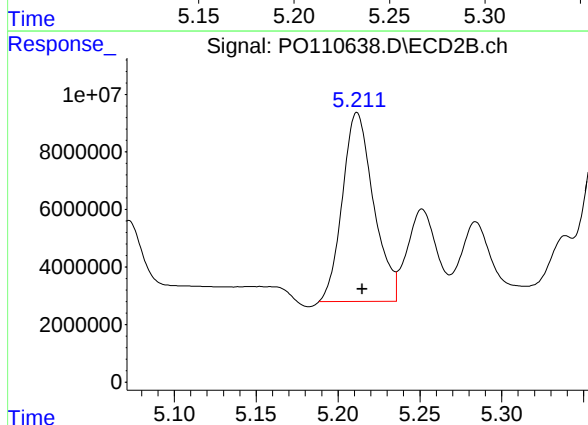
R.T.: 4.999 min
Delta R.T.: -0.003 min
Response: 48198785
Conc: 421.44 ng/ml



#7 AR-1016-5

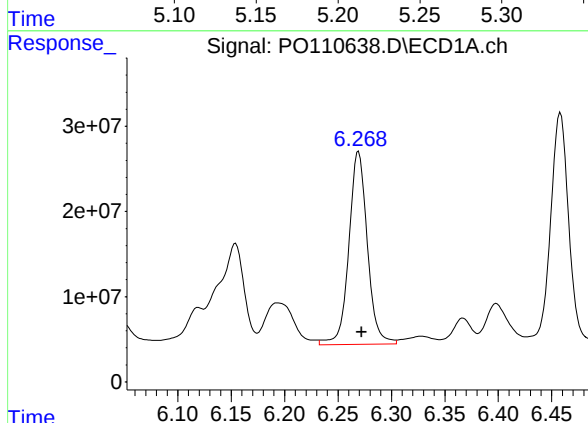
R.T.: 5.228 min
Delta R.T.: -0.004 min
Response: 139425658
Conc: 518.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



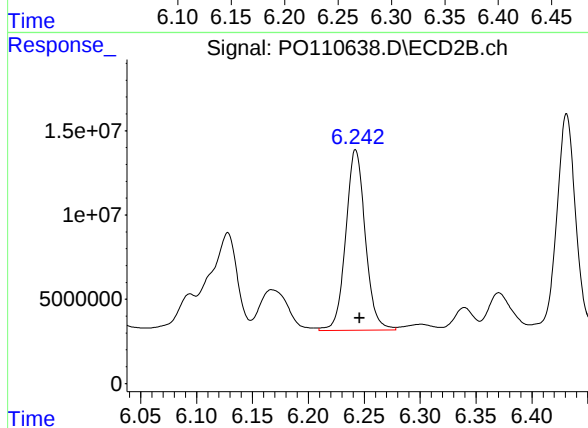
#7 AR-1016-5

R.T.: 5.212 min
Delta R.T.: -0.003 min
Response: 86982379
Conc: 583.49 ng/ml



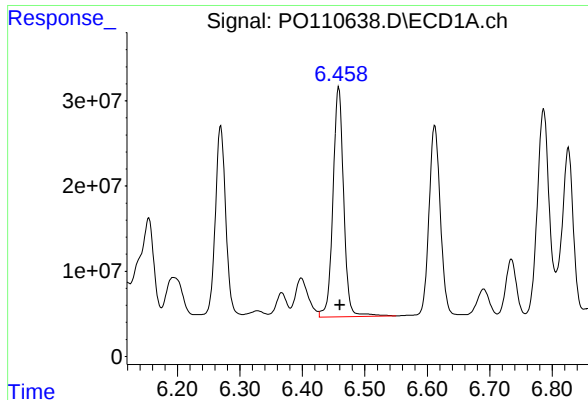
#31 AR-1260-1

R.T.: 6.269 min
Delta R.T.: -0.003 min
Response: 272497312
Conc: 576.78 ng/ml



#31 AR-1260-1

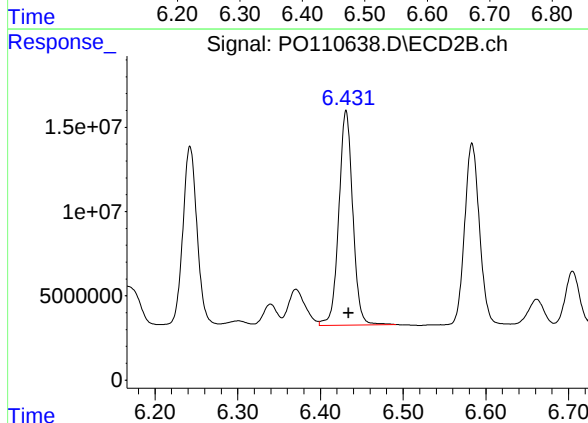
R.T.: 6.242 min
Delta R.T.: -0.004 min
Response: 130392253
Conc: 530.13 ng/ml



#32 AR-1260-2

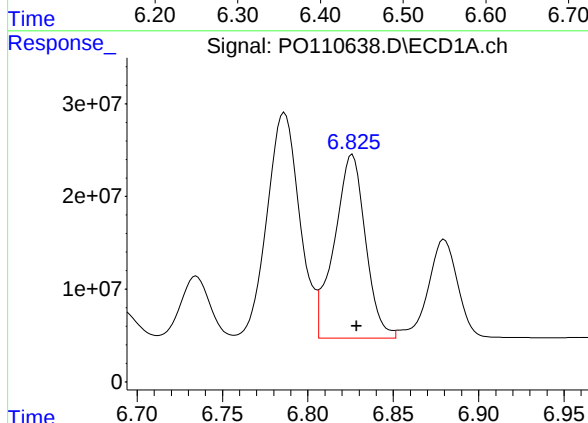
R.T.: 6.458 min
Delta R.T.: -0.002 min
Response: 322973118
Conc: 550.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



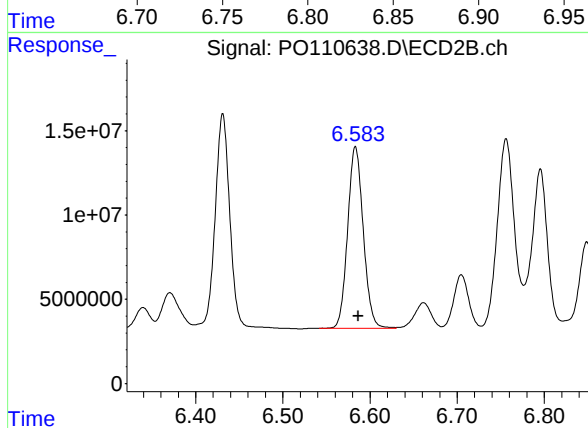
#32 AR-1260-2

R.T.: 6.431 min
Delta R.T.: -0.003 min
Response: 149462302
Conc: 512.29 ng/ml



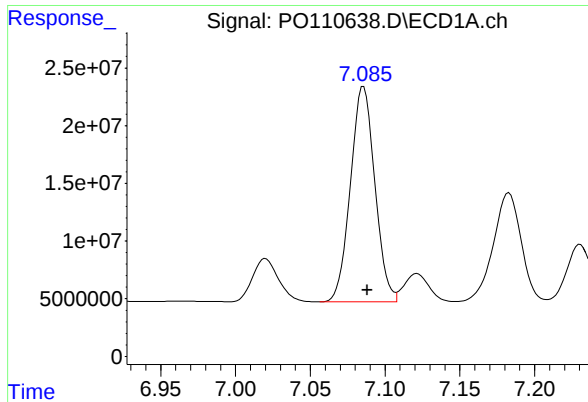
#33 AR-1260-3

R.T.: 6.826 min
Delta R.T.: -0.002 min
Response: 251231006
Conc: 509.73 ng/ml



#33 AR-1260-3

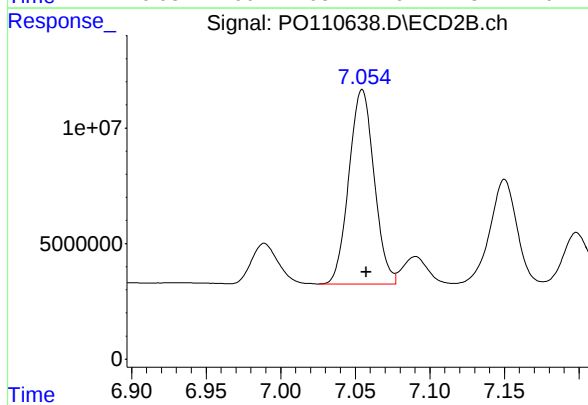
R.T.: 6.583 min
Delta R.T.: -0.003 min
Response: 133981099
Conc: 494.61 ng/ml



#34 AR-1260-4

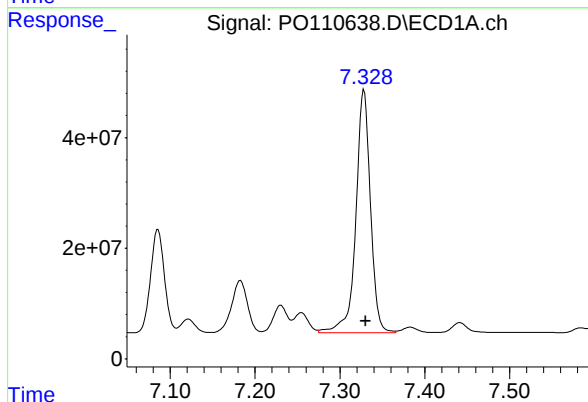
R.T.: 7.086 min
Delta R.T.: -0.003 min
Response: 211767840
Conc: 498.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



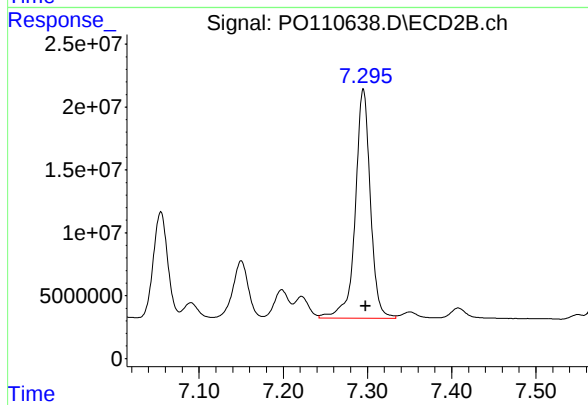
#34 AR-1260-4

R.T.: 7.055 min
Delta R.T.: -0.003 min
Response: 99161354
Conc: 494.23 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: -0.002 min
Response: 525249641
Conc: 503.37 ng/ml



#35 AR-1260-5

R.T.: 7.295 min
Delta R.T.: -0.002 min
Response: 227221106
Conc: 495.19 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 16:20 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.83	6.83	6.73	6.93	0.01
Aroclor-1260-4	(4)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 16:20 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.59	6.49	6.69	0.01
Aroclor-1260-4	(4)	7.06	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.68	3.69	3.59	3.79	0.01
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL02 Date Analyzed: 04/23/2025

Lab Sample No.: AR1660CCC500 Data File : PO110652.D Time Analyzed: 16:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.776	4.679	4.879	554.870	500.000	11.0
Aroclor-1016-2	4.795	4.698	4.898	557.710	500.000	11.5
Aroclor-1016-3	4.852	4.755	4.955	543.560	500.000	8.7
Aroclor-1016-4	4.972	4.875	5.075	552.400	500.000	10.5
Aroclor-1016-5	5.229	5.132	5.332	538.640	500.000	7.7
Aroclor-1260-1	6.269	6.172	6.372	567.990	500.000	13.6
Aroclor-1260-2	6.458	6.360	6.560	529.560	500.000	5.9
Aroclor-1260-3	6.825	6.729	6.929	518.020	500.000	3.6
Aroclor-1260-4	7.086	6.988	7.188	511.830	500.000	2.4
Aroclor-1260-5	7.328	7.230	7.430	508.430	500.000	1.7
Decachlorobiphenyl	8.729	8.632	8.832	46.500	50.000	-7.0
Tetrachloro-m-xylene	3.686	3.588	3.788	56.370	50.000	12.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL02 Date Analyzed: 04/23/2025

Lab Sample No.: AR1660CCC500 Data File : PO110652.D Time Analyzed: 16:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.763	4.666	4.866	528.500	500.000	5.7
Aroclor-1016-2	4.782	4.684	4.884	525.700	500.000	5.1
Aroclor-1016-3	4.957	4.860	5.060	518.670	500.000	3.7
Aroclor-1016-4	5.000	4.902	5.102	420.850	500.000	-15.8
Aroclor-1016-5	5.212	5.115	5.315	503.960	500.000	0.8
Aroclor-1260-1	6.243	6.146	6.346	528.930	500.000	5.8
Aroclor-1260-2	6.431	6.334	6.534	506.730	500.000	1.3
Aroclor-1260-3	6.584	6.487	6.687	490.180	500.000	-2.0
Aroclor-1260-4	7.055	6.957	7.157	492.840	500.000	-1.4
Aroclor-1260-5	7.296	7.197	7.397	490.200	500.000	-2.0
Decachlorobiphenyl	8.681	8.584	8.784	47.120	50.000	-5.8
Tetrachloro-m-xylene	3.684	3.586	3.786	54.770	50.000	9.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0042325\
 Data File : PO110652.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 16:20
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:12:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.684	493.2E6	273.3E6	56.372	54.771
2) SA Decachlor...	8.729	8.681	367.1E6	90713486	46.500	47.124
Target Compounds						
3) L1 AR-1016-1	4.776	4.763	182.1E6	92756735	554.872	528.500
4) L1 AR-1016-2	4.795	4.782	253.7E6	132.2E6	557.706	525.702
5) L1 AR-1016-3	4.852	4.957	175.3E6	70389404	543.560	518.672
6) L1 AR-1016-4	4.972	5.000	137.6E6	48131763	552.401	420.850
7) L1 AR-1016-5	5.229	5.212	144.9E6	75127575	538.640m	503.962m
31) L7 AR-1260-1	6.269	6.243	268.3E6	130.1E6	567.994	528.930
32) L7 AR-1260-2	6.458	6.431	310.5E6	147.8E6	529.561	506.734
33) L7 AR-1260-3	6.825	6.584	255.3E6	132.8E6	518.020	490.179
34) L7 AR-1260-4	7.086	7.055	217.2E6	98883635	511.831	492.841
35) L7 AR-1260-5	7.328	7.296	530.5E6	224.9E6	508.429	490.203

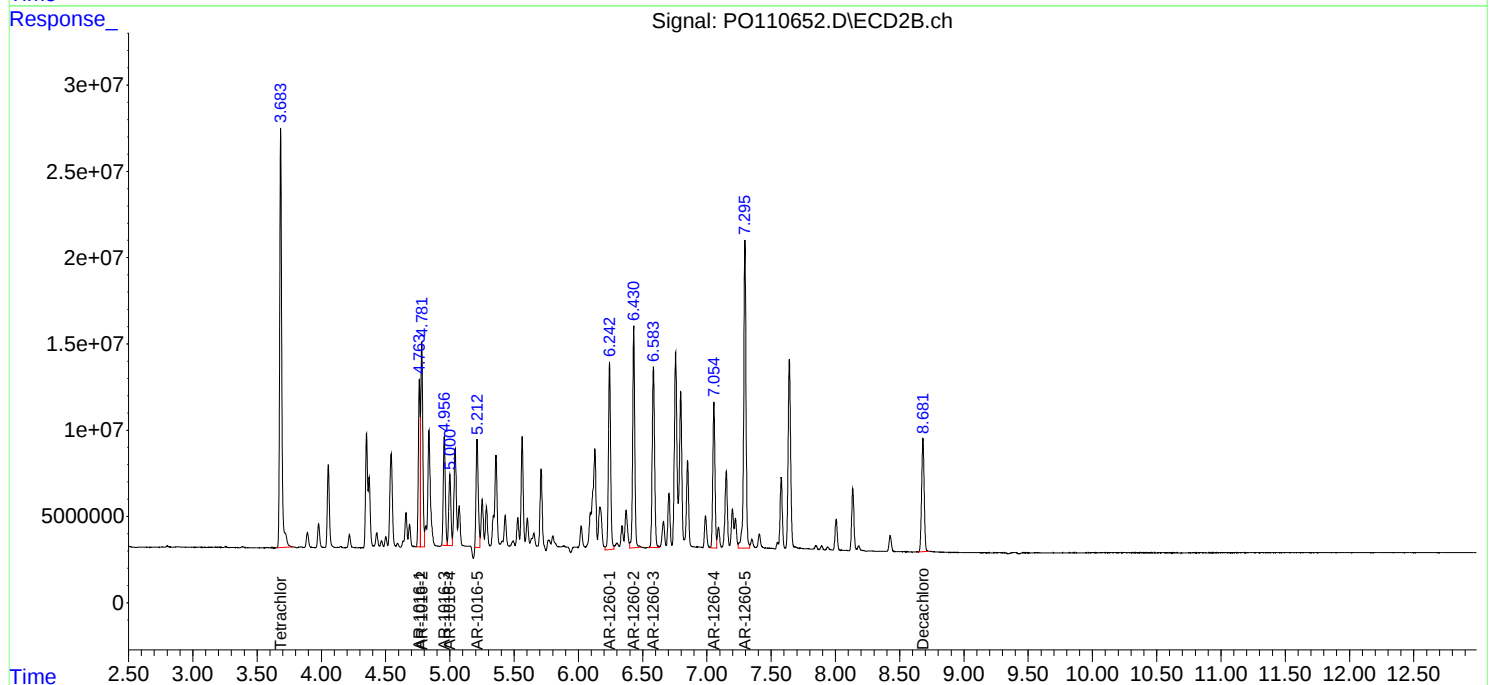
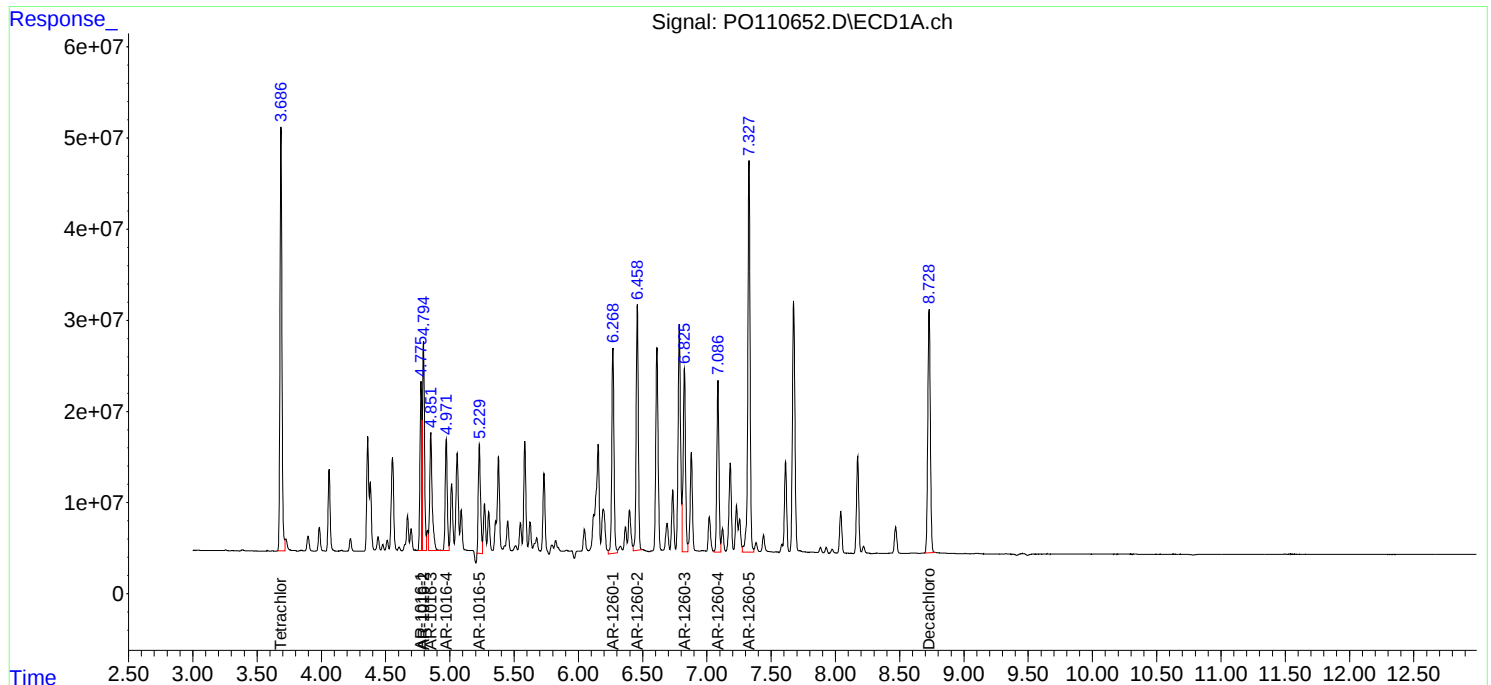
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

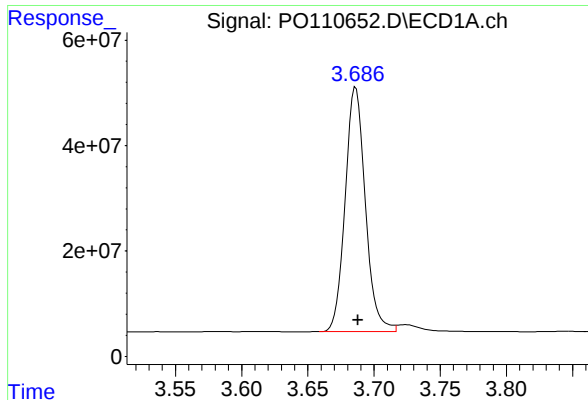
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:20
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:12:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

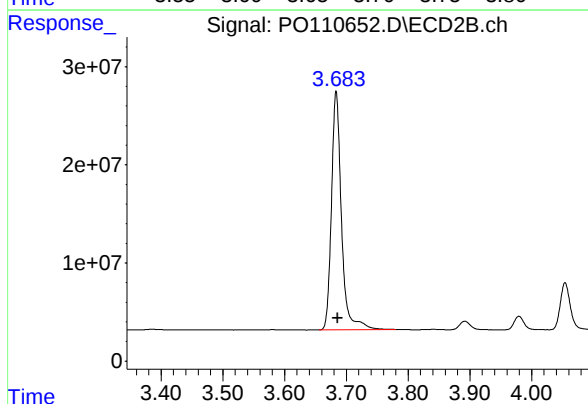




#1 Tetrachloro-m-xylene

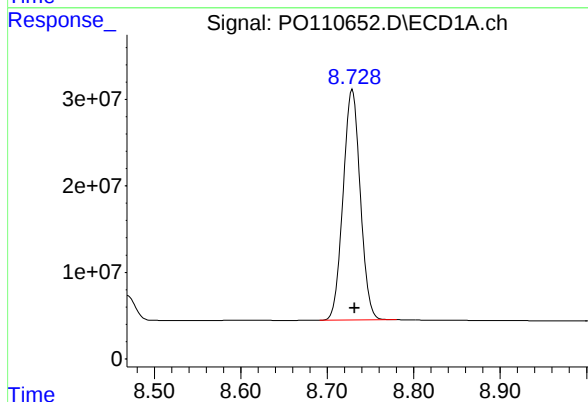
R.T.: 3.686 min
Delta R.T.: -0.002 min
Response: 493199360
Conc: 56.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



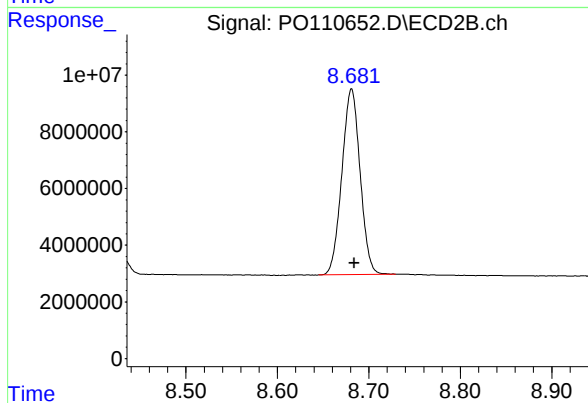
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.002 min
Response: 273293425
Conc: 54.77 ng/ml



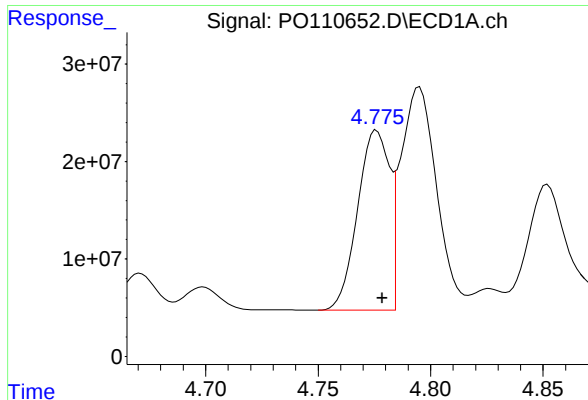
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: -0.003 min
Response: 367114253
Conc: 46.50 ng/ml



#2 Decachlorobiphenyl

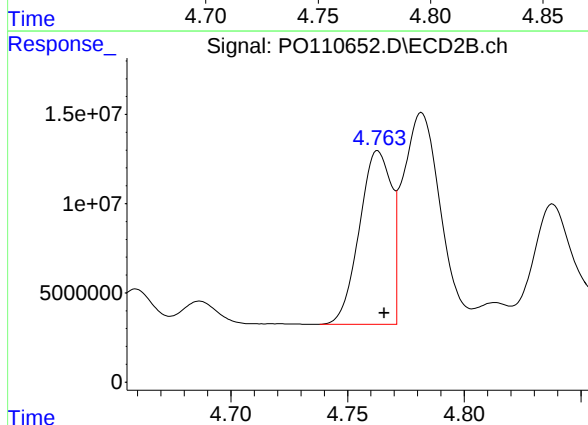
R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 90713486
Conc: 47.12 ng/ml



#3 AR-1016-1

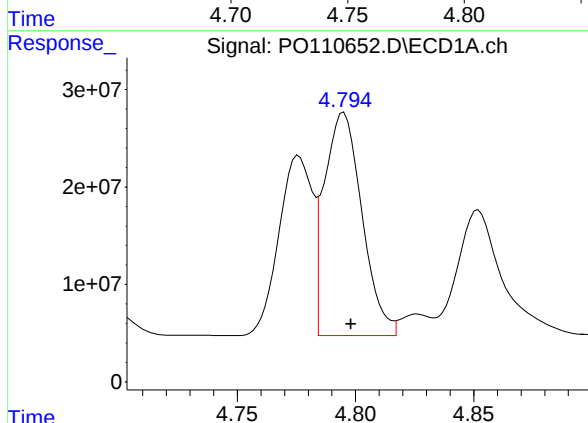
R.T.: 4.776 min
Delta R.T.: -0.003 min
Response: 182077729
Conc: 554.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



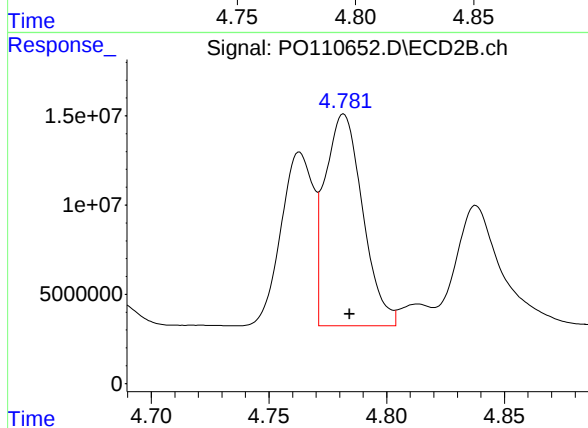
#3 AR-1016-1

R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 92756735
Conc: 528.50 ng/ml



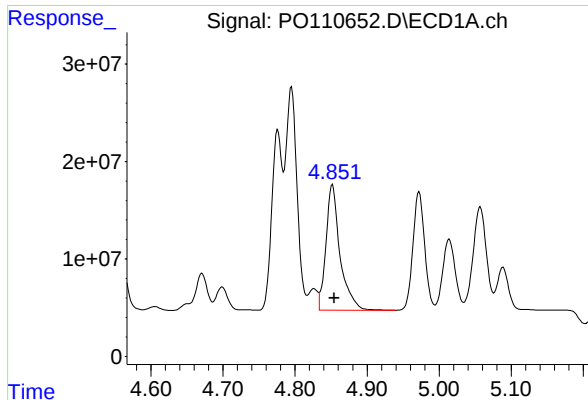
#4 AR-1016-2

R.T.: 4.795 min
Delta R.T.: -0.003 min
Response: 253727265
Conc: 557.71 ng/ml



#4 AR-1016-2

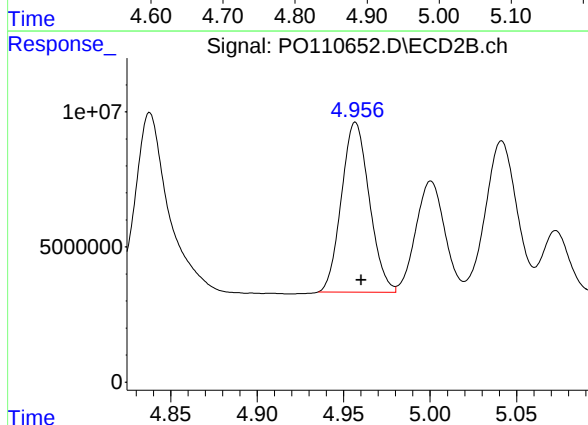
R.T.: 4.782 min
Delta R.T.: -0.003 min
Response: 132195508
Conc: 525.70 ng/ml



#5 AR-1016-3

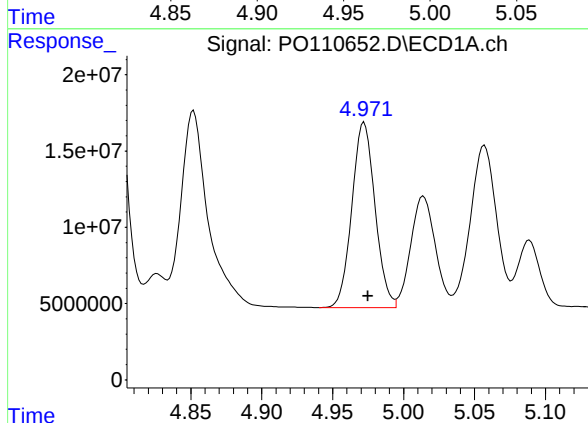
R.T.: 4.852 min
Delta R.T.: -0.003 min
Response: 175313142
Conc: 543.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



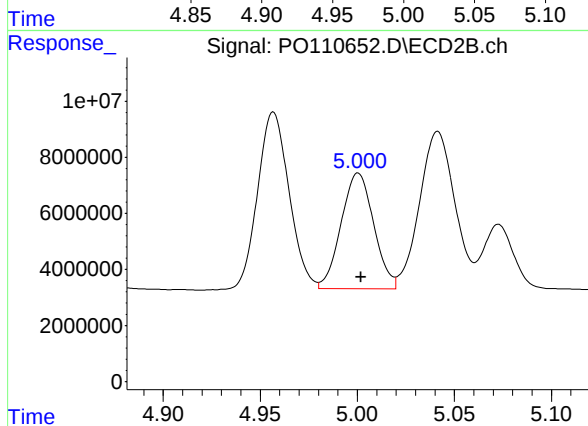
#5 AR-1016-3

R.T.: 4.957 min
Delta R.T.: -0.003 min
Response: 70389404
Conc: 518.67 ng/ml



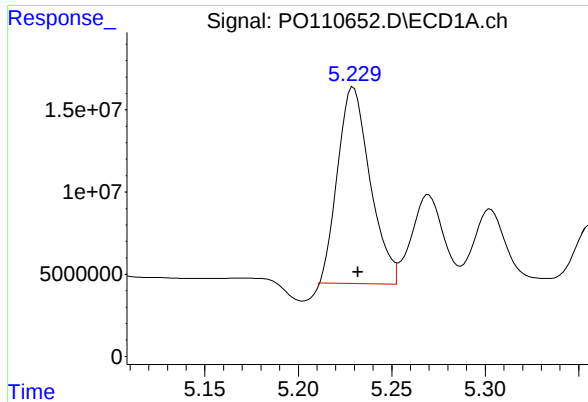
#6 AR-1016-4

R.T.: 4.972 min
Delta R.T.: -0.003 min
Response: 137638692
Conc: 552.40 ng/ml



#6 AR-1016-4

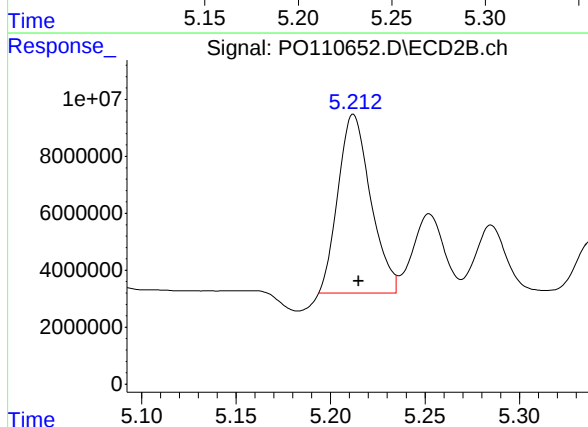
R.T.: 5.000 min
Delta R.T.: -0.001 min
Response: 48131763
Conc: 420.85 ng/ml



#7 AR-1016-5

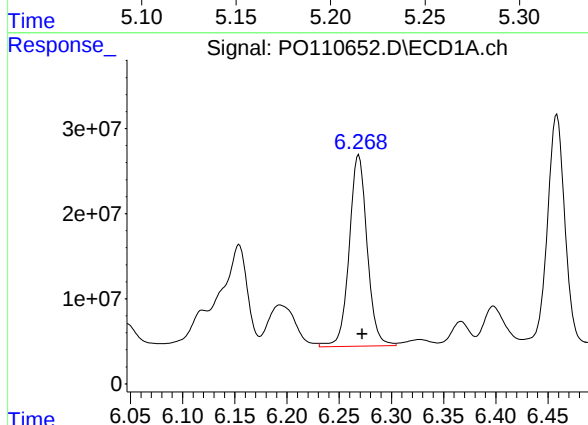
R.T.: 5.229 min
Delta R.T.: -0.003 min
Response: 144900498
Conc: 538.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



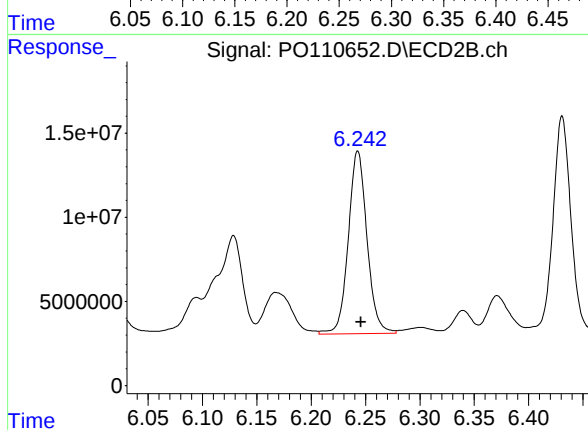
#7 AR-1016-5

R.T.: 5.212 min
Delta R.T.: -0.003 min
Response: 75127575
Conc: 503.96 ng/ml



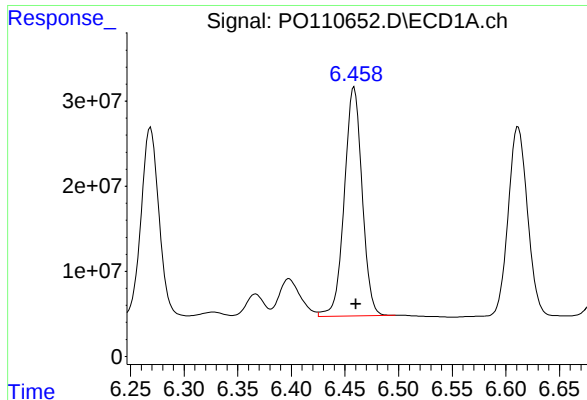
#31 AR-1260-1

R.T.: 6.269 min
Delta R.T.: -0.003 min
Response: 268346043
Conc: 567.99 ng/ml



#31 AR-1260-1

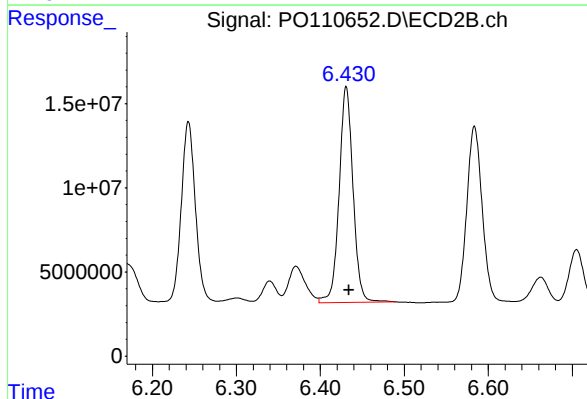
R.T.: 6.243 min
Delta R.T.: -0.003 min
Response: 130097613
Conc: 528.93 ng/ml



#32 AR-1260-2

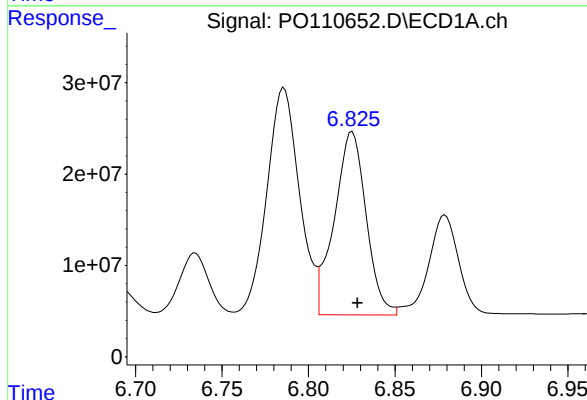
R.T.: 6.458 min
Delta R.T.: -0.002 min
Response: 310547482
Conc: 529.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



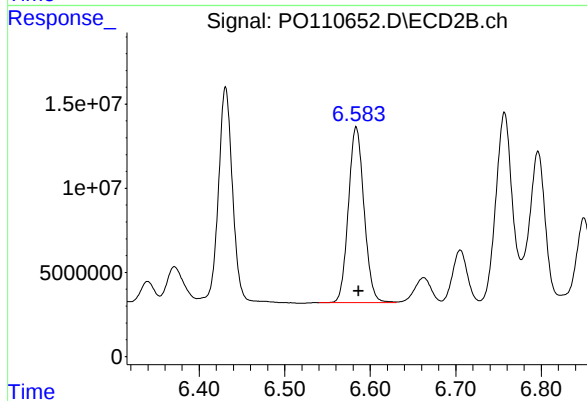
#32 AR-1260-2

R.T.: 6.431 min
Delta R.T.: -0.003 min
Response: 147840010
Conc: 506.73 ng/ml



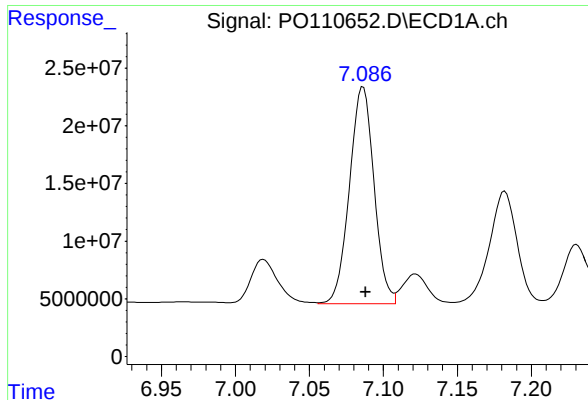
#33 AR-1260-3

R.T.: 6.825 min
Delta R.T.: -0.003 min
Response: 255317689
Conc: 518.02 ng/ml



#33 AR-1260-3

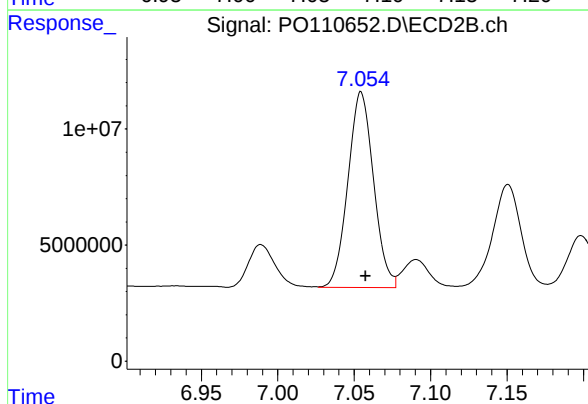
R.T.: 6.584 min
Delta R.T.: -0.003 min
Response: 132781586
Conc: 490.18 ng/ml



#34 AR-1260-4

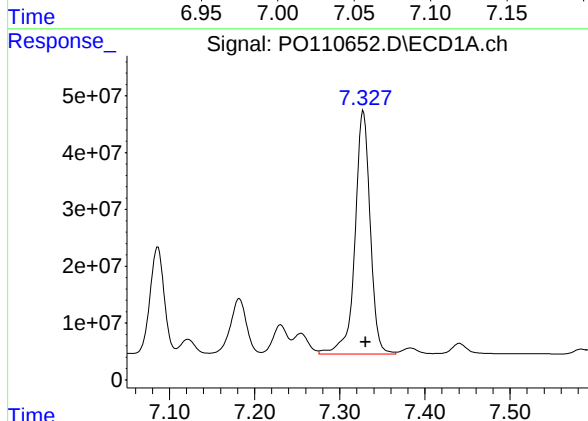
R.T.: 7.086 min
Delta R.T.: -0.002 min
Response: 217232848
Conc: 511.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



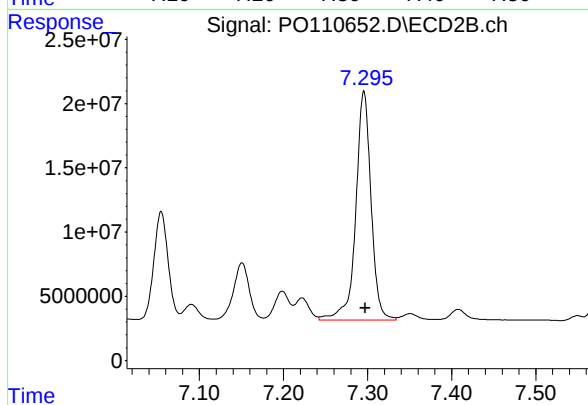
#34 AR-1260-4

R.T.: 7.055 min
Delta R.T.: -0.003 min
Response: 98883635
Conc: 492.84 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: -0.003 min
Response: 530531226
Conc: 508.43 ng/ml



#35 AR-1260-5

R.T.: 7.296 min
Delta R.T.: -0.002 min
Response: 224933186
Conc: 490.20 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 22:50 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.83	6.83	6.73	6.93	0.00
Aroclor-1260-4	(4)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Continuing Calib Date: 04/23/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 22:50 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.59	6.49	6.69	0.01
Aroclor-1260-4	(4)	7.06	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.68	3.69	3.59	3.79	0.01
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL03 Date Analyzed: 04/23/2025

Lab Sample No.: AR1660CCC500 Data File : PO110667.D Time Analyzed: 22:50

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.776	4.679	4.879	559.600	500.000	11.9
Aroclor-1016-2	4.796	4.698	4.898	564.500	500.000	12.9
Aroclor-1016-3	4.852	4.755	4.955	550.930	500.000	10.2
Aroclor-1016-4	4.972	4.875	5.075	561.080	500.000	12.2
Aroclor-1016-5	5.229	5.132	5.332	539.150	500.000	7.8
Aroclor-1260-1	6.269	6.172	6.372	583.100	500.000	16.6
Aroclor-1260-2	6.458	6.360	6.560	555.900	500.000	11.2
Aroclor-1260-3	6.826	6.729	6.929	536.310	500.000	7.3
Aroclor-1260-4	7.086	6.988	7.188	528.490	500.000	5.7
Aroclor-1260-5	7.328	7.230	7.430	524.450	500.000	4.9
Decachlorobiphenyl	8.727	8.632	8.832	46.930	50.000	-6.1
Tetrachloro-m-xylene	3.687	3.588	3.788	57.040	50.000	14.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL03 Date Analyzed: 04/23/2025

Lab Sample No.: AR1660CCC500 Data File : PO110667.D Time Analyzed: 22:50

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.763	4.666	4.866	537.030	500.000	7.4
Aroclor-1016-2	4.782	4.684	4.884	529.750	500.000	6.0
Aroclor-1016-3	4.958	4.860	5.060	529.630	500.000	5.9
Aroclor-1016-4	5.000	4.902	5.102	405.680	500.000	-18.9
Aroclor-1016-5	5.212	5.115	5.315	509.900	500.000	2.0
Aroclor-1260-1	6.244	6.146	6.346	540.930	500.000	8.2
Aroclor-1260-2	6.431	6.334	6.534	520.700	500.000	4.1
Aroclor-1260-3	6.584	6.487	6.687	497.360	500.000	-0.5
Aroclor-1260-4	7.055	6.957	7.157	492.790	500.000	-1.4
Aroclor-1260-5	7.296	7.197	7.397	493.880	500.000	-1.2
Decachlorobiphenyl	8.680	8.584	8.784	47.310	50.000	-5.4
Tetrachloro-m-xylene	3.684	3.586	3.786	55.340	50.000	10.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0042325\
 Data File : PO110667.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 22:50
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 23:14:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	499.1E6	276.1E6	57.040	55.335
2) SA Decachlor...	8.727	8.680	370.5E6	91080446	46.928	47.315
Target Compounds						
3) L1 AR-1016-1	4.776	4.763	183.6E6	94254554	559.599	537.034
4) L1 AR-1016-2	4.796	4.782	256.8E6	133.2E6	564.497	529.746
5) L1 AR-1016-3	4.852	4.958	177.7E6	71875936	550.934	529.625
6) L1 AR-1016-4	4.972	5.000	139.8E6	46397078	561.082	405.683 #
7) L1 AR-1016-5	5.229	5.212	145.0E6	76013024	539.155m	509.902m
31) L7 AR-1260-1	6.269	6.244	275.5E6	133.1E6	583.095	540.934
32) L7 AR-1260-2	6.458	6.431	326.0E6	151.9E6	555.897	520.697
33) L7 AR-1260-3	6.826	6.584	264.3E6	134.7E6	536.314	497.364
34) L7 AR-1260-4	7.086	7.055	224.3E6	98872873	528.491	492.787
35) L7 AR-1260-5	7.328	7.296	547.2E6	226.6E6	524.448	493.884

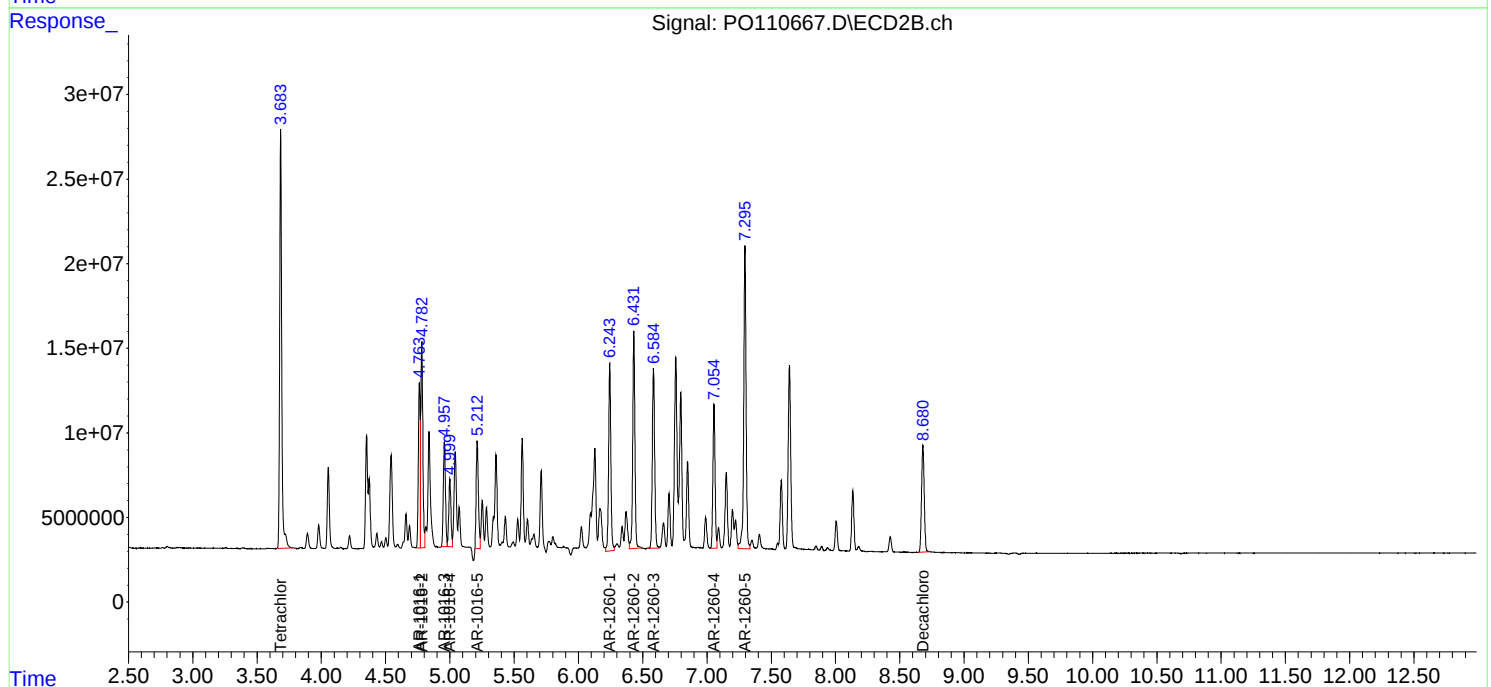
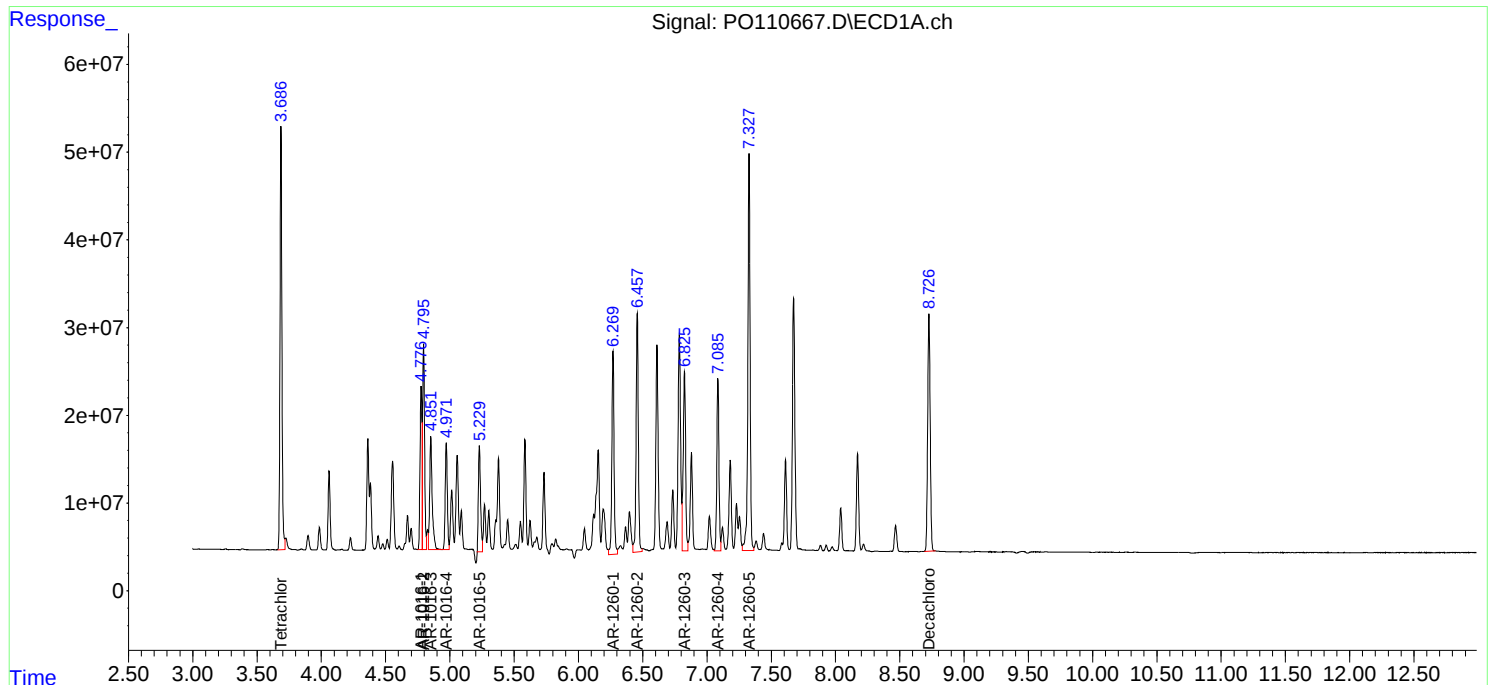
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

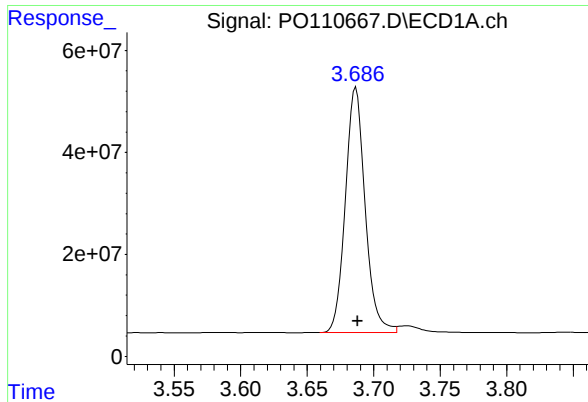
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 22:50
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 23:14:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

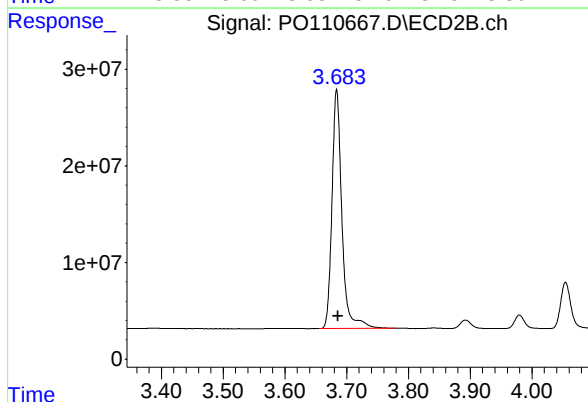




#1 Tetrachloro-m-xylene

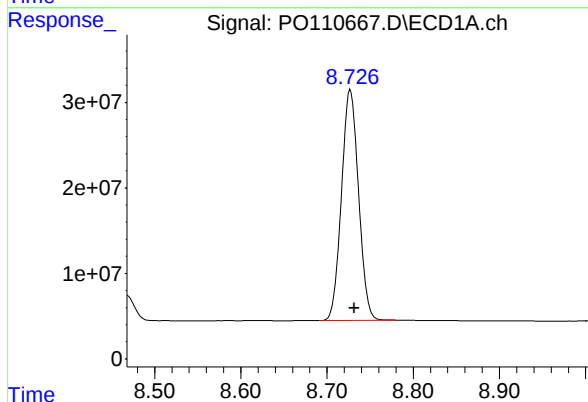
R.T.: 3.687 min
Delta R.T.: -0.001 min
Response: 499050281
Conc: 57.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



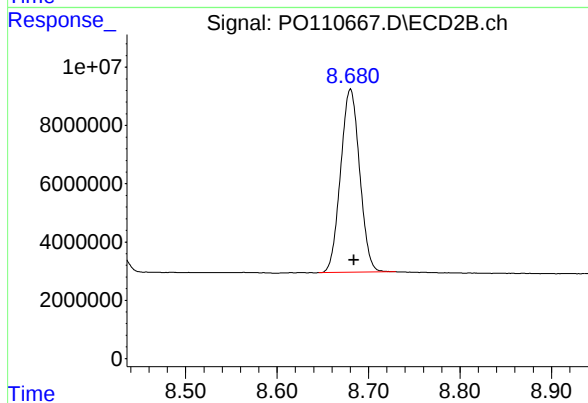
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.002 min
Response: 276111983
Conc: 55.34 ng/ml



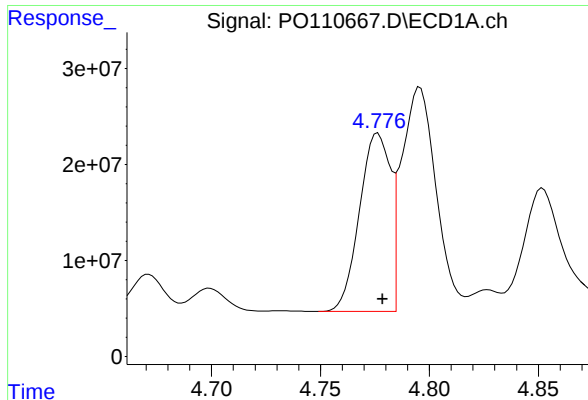
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: -0.005 min
Response: 370497737
Conc: 46.93 ng/ml



#2 Decachlorobiphenyl

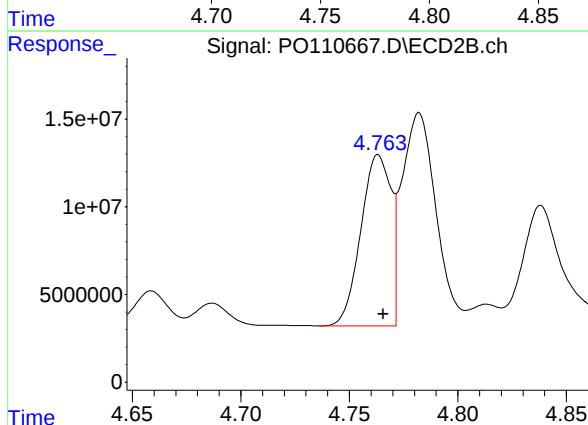
R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 91080446
Conc: 47.31 ng/ml



#3 AR-1016-1

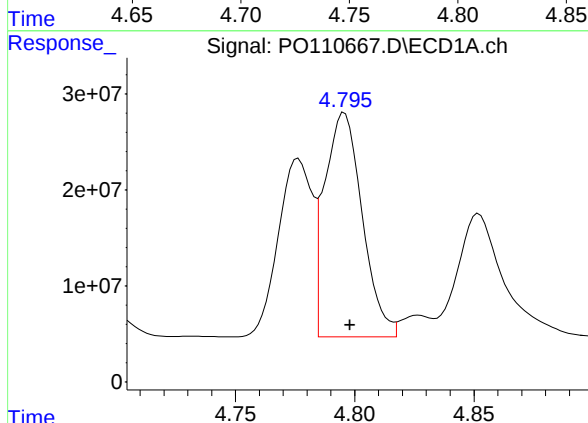
R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 183628797
Conc: 559.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



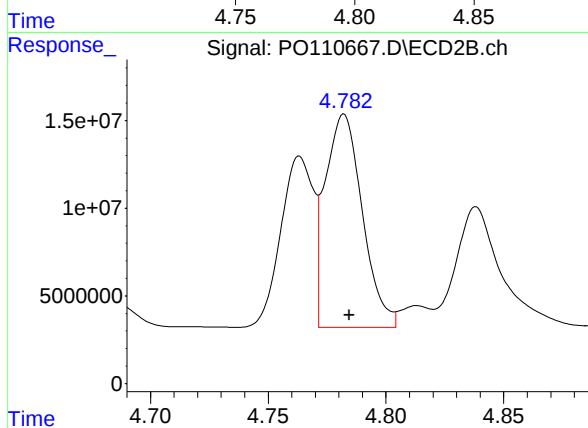
#3 AR-1016-1

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 94254554
Conc: 537.03 ng/ml



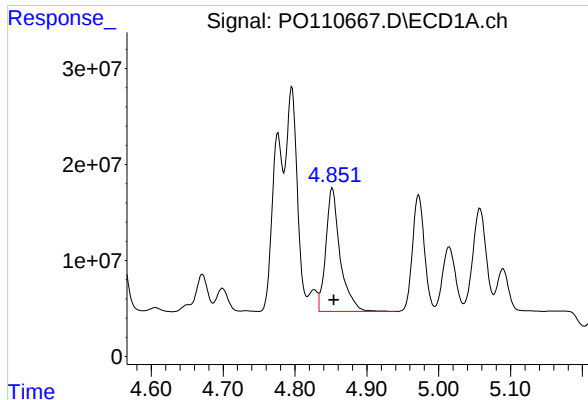
#4 AR-1016-2

R.T.: 4.796 min
Delta R.T.: -0.002 min
Response: 256817074
Conc: 564.50 ng/ml



#4 AR-1016-2

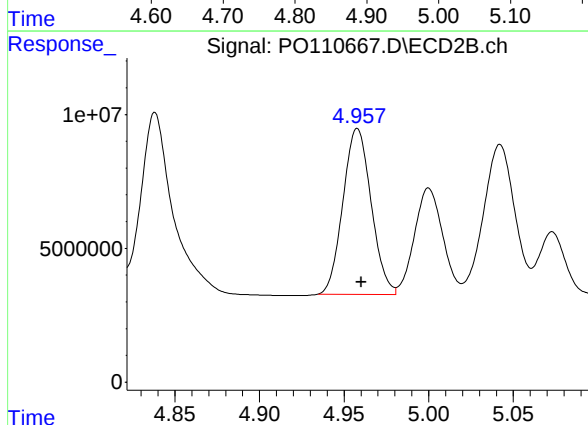
R.T.: 4.782 min
Delta R.T.: -0.002 min
Response: 133212633
Conc: 529.75 ng/ml



#5 AR-1016-3

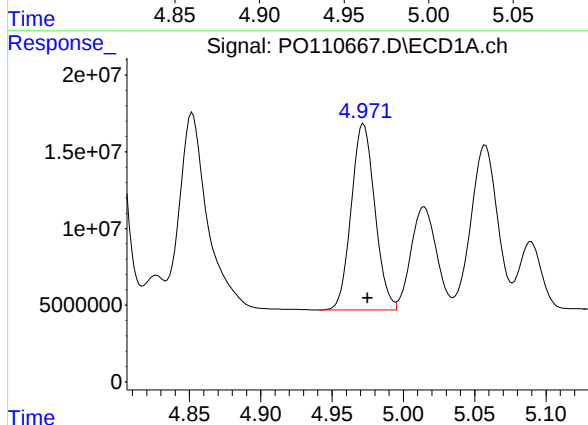
R.T.: 4.852 min
Delta R.T.: -0.003 min
Response: 177691422
Conc: 550.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



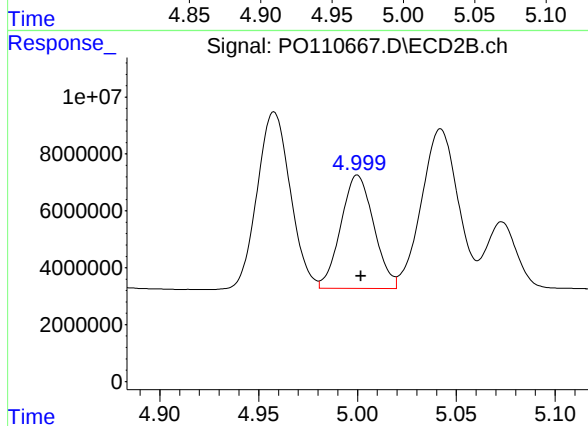
#5 AR-1016-3

R.T.: 4.958 min
Delta R.T.: -0.002 min
Response: 71875936
Conc: 529.63 ng/ml



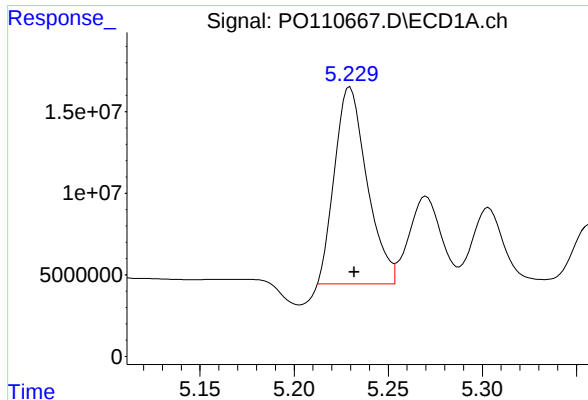
#6 AR-1016-4

R.T.: 4.972 min
Delta R.T.: -0.003 min
Response: 139801634
Conc: 561.08 ng/ml



#6 AR-1016-4

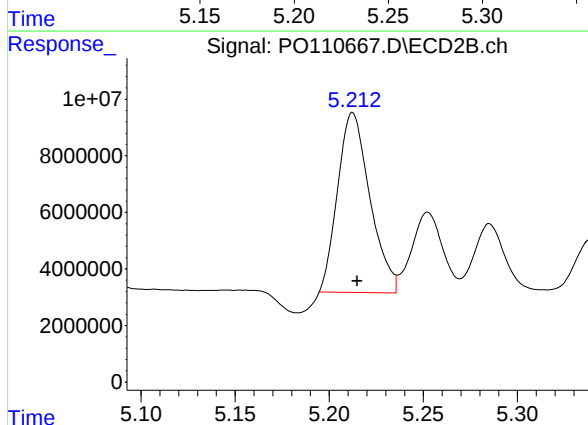
R.T.: 5.000 min
Delta R.T.: -0.002 min
Response: 46397078
Conc: 405.68 ng/ml



#7 AR-1016-5

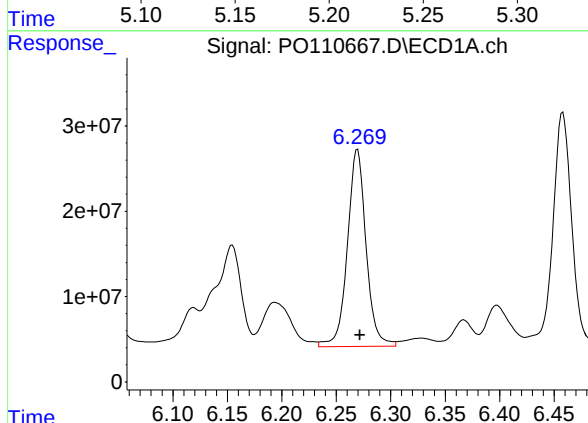
R.T.: 5.229 min
Delta R.T.: -0.003 min
Response: 145038860
Conc: 539.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



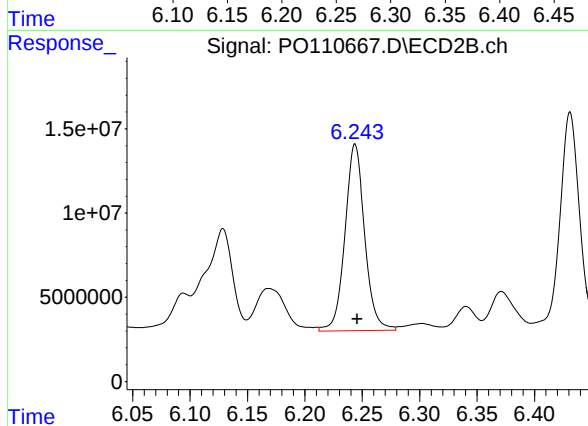
#7 AR-1016-5

R.T.: 5.212 min
Delta R.T.: -0.003 min
Response: 76013024
Conc: 509.90 ng/ml



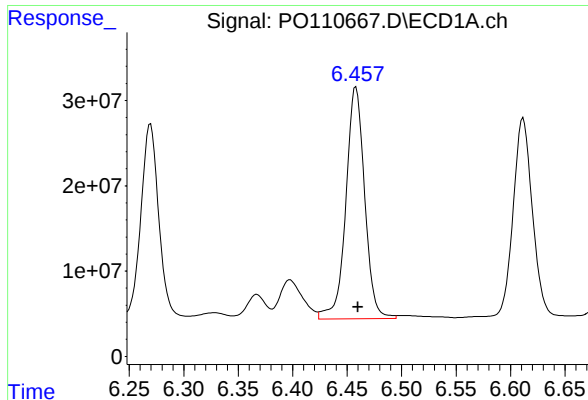
#31 AR-1260-1

R.T.: 6.269 min
Delta R.T.: -0.002 min
Response: 275480637
Conc: 583.10 ng/ml



#31 AR-1260-1

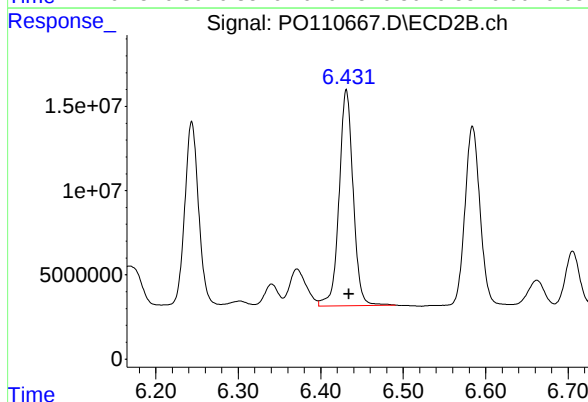
R.T.: 6.244 min
Delta R.T.: -0.002 min
Response: 133050110
Conc: 540.93 ng/ml



#32 AR-1260-2

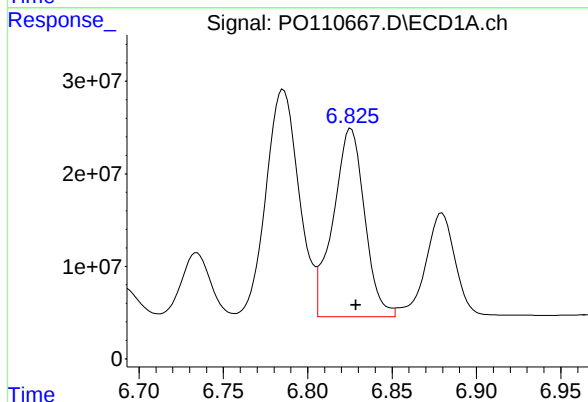
R.T.: 6.458 min
Delta R.T.: -0.002 min
Response: 325991309
Conc: 555.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



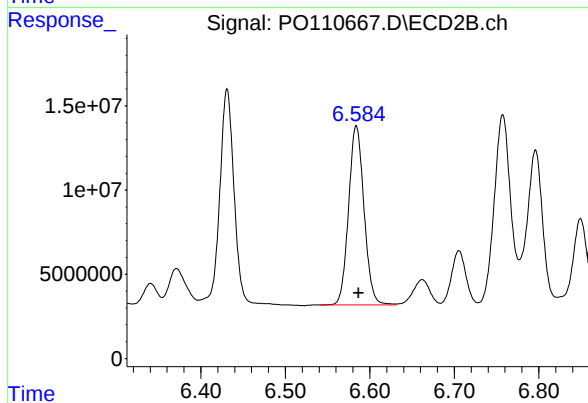
#32 AR-1260-2

R.T.: 6.431 min
Delta R.T.: -0.003 min
Response: 151913781
Conc: 520.70 ng/ml



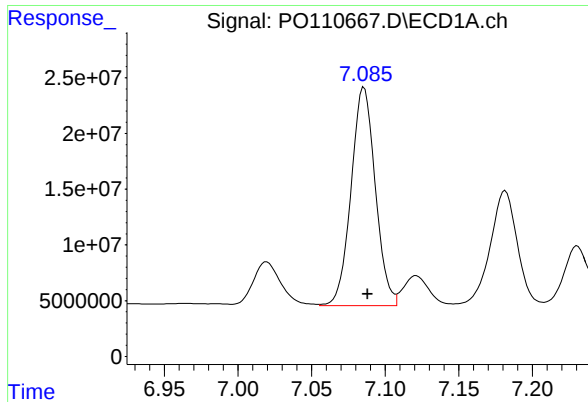
#33 AR-1260-3

R.T.: 6.826 min
Delta R.T.: -0.003 min
Response: 264334577
Conc: 536.31 ng/ml



#33 AR-1260-3

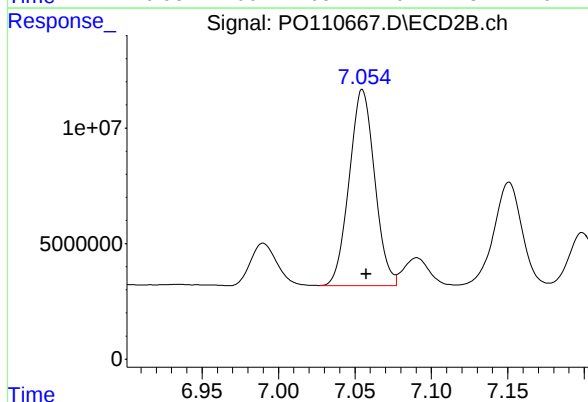
R.T.: 6.584 min
Delta R.T.: -0.003 min
Response: 134728066
Conc: 497.36 ng/ml



#34 AR-1260-4

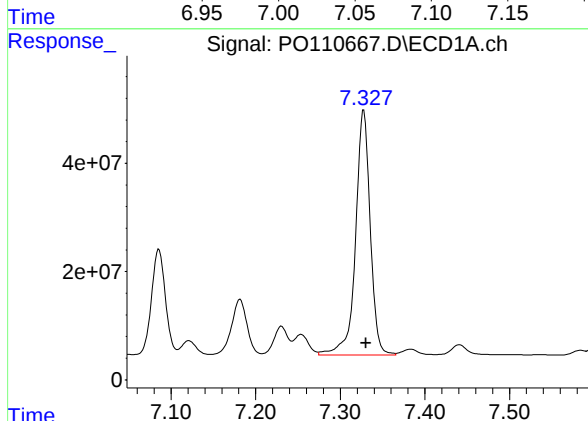
R.T.: 7.086 min
Delta R.T.: -0.003 min
Response: 224303784
Conc: 528.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



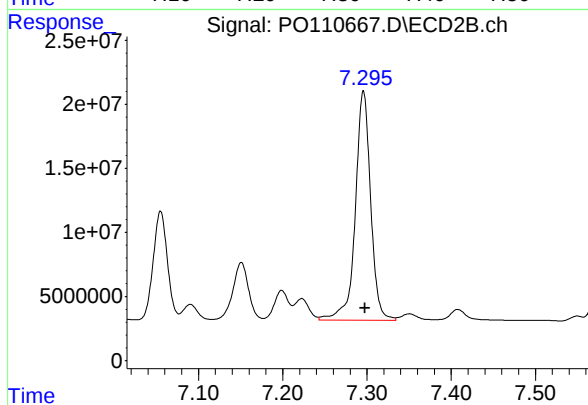
#34 AR-1260-4

R.T.: 7.055 min
Delta R.T.: -0.003 min
Response: 98872873
Conc: 492.79 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: -0.003 min
Response: 547246360
Conc: 524.45 ng/ml



#35 AR-1260-5

R.T.: 7.296 min
Delta R.T.: -0.002 min
Response: 226622270
Conc: 493.88 ng/ml

Analytical Sequence

Client: Kleinfelder

SDG No.: Q1858

Project: Henry Lea School

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/10/2025 04/10/2025

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	04/10/2025	09:17	PO110348.D	8.73	3.69
AR1660ICC1000	AR1660ICC1000	04/10/2025	09:36	PO110349.D	8.73	3.69
AR1660ICC750	AR1660ICC750	04/10/2025	09:54	PO110350.D	8.73	3.69
AR1660ICC500	AR1660ICC500	04/10/2025	10:13	PO110351.D	8.73	3.69
AR1660ICC250	AR1660ICC250	04/10/2025	10:31	PO110352.D	8.73	3.69
AR1660ICC050	AR1660ICC050	04/10/2025	10:49	PO110353.D	8.73	3.69
AR1221ICC500	AR1221ICC500	04/10/2025	11:08	PO110354.D	8.73	3.69
AR1232ICC500	AR1232ICC500	04/10/2025	11:26	PO110355.D	8.73	3.69
AR1242ICC1000	AR1242ICC1000	04/10/2025	11:44	PO110356.D	8.73	3.69
AR1242ICC750	AR1242ICC750	04/10/2025	12:03	PO110357.D	8.73	3.69
AR1242ICC500	AR1242ICC500	04/10/2025	12:21	PO110358.D	8.73	3.69
AR1242ICC250	AR1242ICC250	04/10/2025	12:39	PO110359.D	8.73	3.69
AR1242ICC050	AR1242ICC050	04/10/2025	12:58	PO110360.D	8.73	3.69
AR1248ICC1000	AR1248ICC1000	04/10/2025	13:16	PO110361.D	8.73	3.69
AR1248ICC750	AR1248ICC750	04/10/2025	13:35	PO110362.D	8.73	3.69
AR1248ICC500	AR1248ICC500	04/10/2025	13:53	PO110363.D	8.73	3.69
AR1248ICC250	AR1248ICC250	04/10/2025	14:11	PO110364.D	8.73	3.69
AR1248ICC050	AR1248ICC050	04/10/2025	14:30	PO110365.D	8.73	3.69
AR1254ICC1000	AR1254ICC1000	04/10/2025	14:48	PO110366.D	8.73	3.69
AR1254ICC750	AR1254ICC750	04/10/2025	15:06	PO110367.D	8.73	3.69
AR1254ICC500	AR1254ICC500	04/10/2025	15:25	PO110368.D	8.73	3.69
AR1254ICC250	AR1254ICC250	04/10/2025	15:43	PO110369.D	8.73	3.69
AR1254ICC050	AR1254ICC050	04/10/2025	16:02	PO110370.D	8.73	3.69
AR1262ICC500	AR1262ICC500	04/10/2025	16:20	PO110371.D	8.73	3.69
AR1268ICC1000	AR1268ICC1000	04/10/2025	16:38	PO110372.D	8.73	3.69
AR1268ICC750	AR1268ICC750	04/10/2025	16:57	PO110373.D	8.73	3.69
AR1268ICC500	AR1268ICC500	04/10/2025	17:15	PO110374.D	8.73	3.69
AR1268ICC250	AR1268ICC250	04/10/2025	17:33	PO110375.D	8.73	3.69
AR1268ICC050	AR1268ICC050	04/10/2025	17:52	PO110376.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/23/2025	08:44	PO110638.D	8.73	3.69
IBLK	IBLK	04/23/2025	10:00	PO110642.D	8.73	3.69
PB167708BL	PB167708BL	04/23/2025	12:31	PO110644.D	8.73	3.69
PB167708BS	PB167708BS	04/23/2025	12:49	PO110645.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/23/2025	16:20	PO110652.D	8.73	3.69
IBLK	IBLK	04/23/2025	18:08	PO110656.D	8.73	3.69
COMP-1	Q1858-01	04/23/2025	18:26	PO110657.D	8.73	3.69
COMP-2	Q1858-02	04/23/2025	18:44	PO110658.D	8.73	3.69
COMP-3	Q1858-03	04/23/2025	19:02	PO110659.D	8.73	3.69
COMP-1MS	Q1859-01MS	04/23/2025	19:38	PO110661.D	8.73	3.69
COMP-1MSD	Q1859-01MSD	04/23/2025	19:57	PO110662.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/23/2025	22:50	PO110667.D	8.73	3.69
IBLK	IBLK	04/24/2025	00:39	PO110671.D	8.73	3.68

Analytical Sequence

Analytical Sequence

Client: Kleinfelder

SDG No.: Q1858

Project: Henry Lea School

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/10/2025 04/10/2025

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	04/10/2025	09:17	PO110348.D	8.68	3.68
AR1660ICC1000	AR1660ICC1000	04/10/2025	09:36	PO110349.D	8.69	3.69
AR1660ICC750	AR1660ICC750	04/10/2025	09:54	PO110350.D	8.69	3.69
AR1660ICC500	AR1660ICC500	04/10/2025	10:13	PO110351.D	8.68	3.69
AR1660ICC250	AR1660ICC250	04/10/2025	10:31	PO110352.D	8.68	3.69
AR1660ICC050	AR1660ICC050	04/10/2025	10:49	PO110353.D	8.68	3.69
AR1221ICC500	AR1221ICC500	04/10/2025	11:08	PO110354.D	8.68	3.69
AR1232ICC500	AR1232ICC500	04/10/2025	11:26	PO110355.D	8.68	3.69
AR1242ICC1000	AR1242ICC1000	04/10/2025	11:44	PO110356.D	8.68	3.69
AR1242ICC750	AR1242ICC750	04/10/2025	12:03	PO110357.D	8.68	3.69
AR1242ICC500	AR1242ICC500	04/10/2025	12:21	PO110358.D	8.68	3.68
AR1242ICC250	AR1242ICC250	04/10/2025	12:39	PO110359.D	8.68	3.69
AR1242ICC050	AR1242ICC050	04/10/2025	12:58	PO110360.D	8.68	3.68
AR1248ICC1000	AR1248ICC1000	04/10/2025	13:16	PO110361.D	8.68	3.69
AR1248ICC750	AR1248ICC750	04/10/2025	13:35	PO110362.D	8.69	3.69
AR1248ICC500	AR1248ICC500	04/10/2025	13:53	PO110363.D	8.69	3.69
AR1248ICC250	AR1248ICC250	04/10/2025	14:11	PO110364.D	8.68	3.69
AR1248ICC050	AR1248ICC050	04/10/2025	14:30	PO110365.D	8.68	3.68
AR1254ICC1000	AR1254ICC1000	04/10/2025	14:48	PO110366.D	8.68	3.69
AR1254ICC750	AR1254ICC750	04/10/2025	15:06	PO110367.D	8.68	3.69
AR1254ICC500	AR1254ICC500	04/10/2025	15:25	PO110368.D	8.68	3.69
AR1254ICC250	AR1254ICC250	04/10/2025	15:43	PO110369.D	8.68	3.68
AR1254ICC050	AR1254ICC050	04/10/2025	16:02	PO110370.D	8.68	3.69
AR1262ICC500	AR1262ICC500	04/10/2025	16:20	PO110371.D	8.68	3.69
AR1268ICC1000	AR1268ICC1000	04/10/2025	16:38	PO110372.D	8.68	3.68
AR1268ICC750	AR1268ICC750	04/10/2025	16:57	PO110373.D	8.68	3.68
AR1268ICC500	AR1268ICC500	04/10/2025	17:15	PO110374.D	8.68	3.69
AR1268ICC250	AR1268ICC250	04/10/2025	17:33	PO110375.D	8.68	3.69
AR1268ICC050	AR1268ICC050	04/10/2025	17:52	PO110376.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/23/2025	08:44	PO110638.D	8.68	3.68
IBLK	IBLK	04/23/2025	10:00	PO110642.D	8.68	3.68
PB167708BL	PB167708BL	04/23/2025	12:31	PO110644.D	8.68	3.68
PB167708BS	PB167708BS	04/23/2025	12:49	PO110645.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/23/2025	16:20	PO110652.D	8.68	3.68
IBLK	IBLK	04/23/2025	18:08	PO110656.D	8.68	3.68
COMP-1	Q1858-01	04/23/2025	18:26	PO110657.D	8.68	3.68
COMP-2	Q1858-02	04/23/2025	18:44	PO110658.D	8.68	3.68
COMP-3	Q1858-03	04/23/2025	19:02	PO110659.D	8.68	3.68
COMP-1MS	Q1859-01MS	04/23/2025	19:38	PO110661.D	8.68	3.68
COMP-1MSD	Q1859-01MSD	04/23/2025	19:57	PO110662.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/23/2025	22:50	PO110667.D	8.68	3.68
IBLK	IBLK	04/24/2025	00:39	PO110671.D	8.68	3.68

Analytical Sequence

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167708BS

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab Sample ID: PB167708BS Date(s) Analyzed: 04/23/2025 04/23/2025

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 PO110645.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.777	4.727	4.827	154	151	7.56
COLUMN 1	2	4.796	4.746	4.846	154		
	3	4.853	4.803	4.903	150		
	4	4.973	4.923	5.023	153		
	5	5.23	5.18	5.28	147		
COLUMN 2	1	4.764	4.714	4.814	143	140	
	2	4.783	4.733	4.833	143		
	3	4.958	4.908	5.008	142		
	4	5	4.95	5.05	139		
	5	5.213	5.163	5.263	135		
Aroclor-1260	1	6.27	6.22	6.32	159	145	4.95
COLUMN 1	2	6.459	6.409	6.509	156		
	3	6.827	6.777	6.877	133		
	4	7.086	7.036	7.136	142		
	5	7.329	7.279	7.379	133		
COLUMN 2	1	6.244	6.194	6.294	146	138	
	2	6.432	6.382	6.482	143		
	3	6.584	6.534	6.634	143		
	4	7.055	7.005	7.105	131		
	5	7.296	7.246	7.346	126		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

COMP-1MS

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab Sample ID: Q1859-01MS Date(s) Analyzed: 04/23/2025 04/23/2025

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 PO110661.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.777	4.727	4.827	182	178	5.19
COLUMN 1	2	4.796	4.746	4.846	181		
	3	4.852	4.802	4.902	177		
	4	4.973	4.923	5.023	181		
	5	5.23	5.18	5.28	171		
	1	4.763	4.713	4.813	178		
COLUMN 2	2	4.782	4.732	4.832	173	169	
	3	4.958	4.908	5.008	171		
	4	5	4.95	5.05	164		
	5	5.212	5.162	5.262	162		
Aroclor-1260	1	6.27	6.22	6.32	170	143	0.7
COLUMN 1	2	6.458	6.408	6.508	154		
	3	6.826	6.776	6.876	127		
	4	7.086	7.036	7.136	138		
	5	7.329	7.279	7.379	126		
	1	6.244	6.194	6.294	163		
COLUMN 2	2	6.432	6.382	6.482	148	144	
	3	6.584	6.534	6.634	151		
	4	7.055	7.005	7.105	136		
	5	7.296	7.246	7.346	124		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

COMP-1MSD

Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab Sample ID: Q1859-01MSD Date(s) Analyzed: 04/23/2025 04/23/2025

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 PO110662.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.777	4.727	4.827	195	191	4.28
COLUMN 1	2	4.796	4.746	4.846	195		
	3	4.853	4.803	4.903	190		
	4	4.973	4.923	5.023	194		
	5	5.23	5.18	5.28	183		
	1	4.763	4.713	4.813	193		
COLUMN 2	2	4.782	4.732	4.832	187	183	
	3	4.958	4.908	5.008	185		
	4	5	4.95	5.05	177		
	5	5.212	5.162	5.262	174		
Aroclor-1260	1	6.27	6.22	6.32	182	153	0.65
COLUMN 1	2	6.459	6.409	6.509	164		
	3	6.826	6.776	6.876	135		
	4	7.086	7.036	7.136	148		
	5	7.329	7.279	7.379	133		
	1	6.244	6.194	6.294	174		
COLUMN 2	2	6.431	6.381	6.481	158	154	
	3	6.584	6.534	6.634	161		
	4	7.055	7.005	7.105	146		
	5	7.296	7.246	7.346	132		



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Henry Lea School	Date Received:	
Client Sample ID:	PB167708BL	SDG No.:	Q1858
Lab Sample ID:	PB167708BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110644.D	1	04/23/25 08:35	04/23/25 12:31	PB167708

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		32 - 175	97%	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\P0042325\
Data File : P0110644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:31
Operator : YP/AJ
Sample : PB167708BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167708BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:10:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.683	177.6E6	94049494	20.305	18.848
2) SA Decachlor...	8.730	8.680	145.7E6	37165716	18.458	19.307

Target Compounds

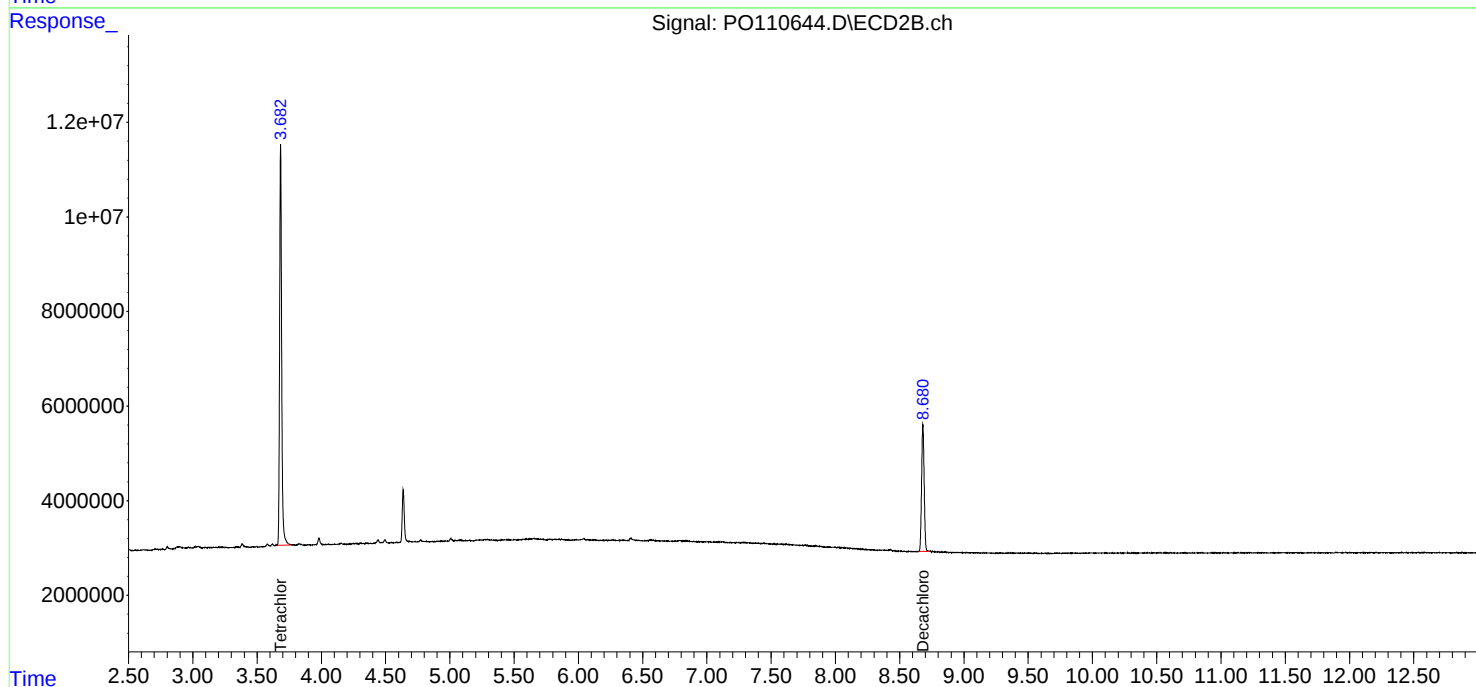
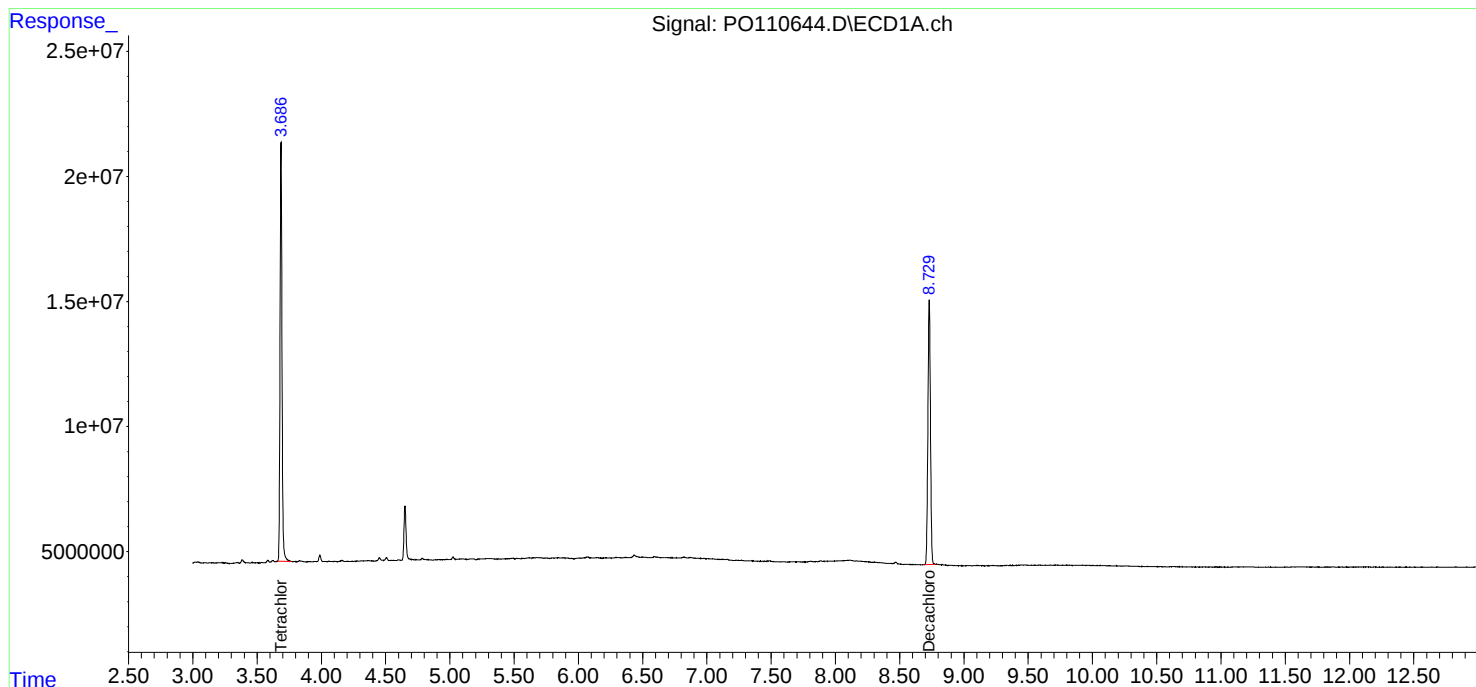
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

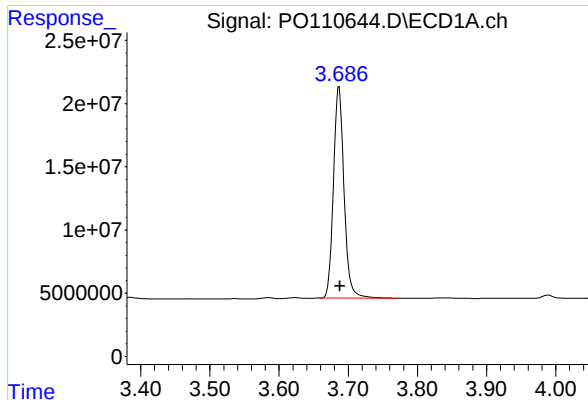
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:31
Operator : YP/AJ
Sample : PB167708BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167708BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:10:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

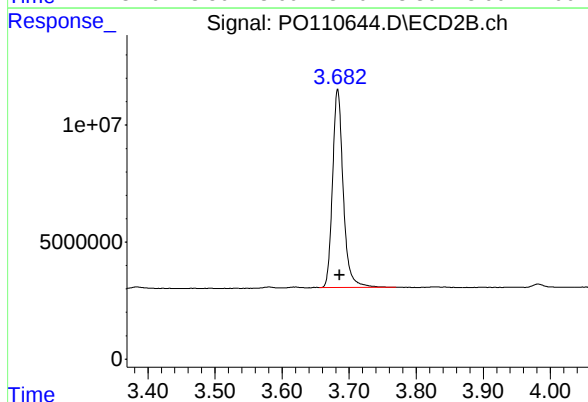




#1 Tetrachloro-m-xylene

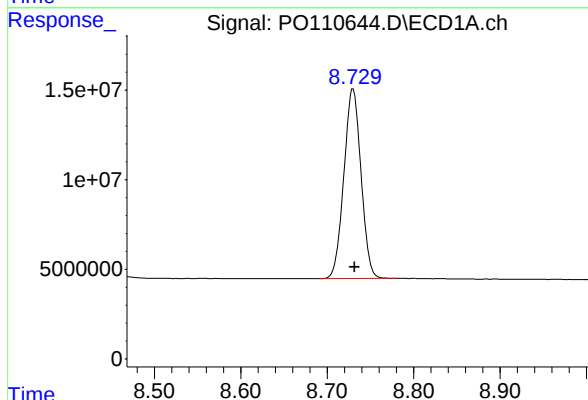
R.T.: 3.687 min
Delta R.T.: -0.001 min
Response: 177645769
Conc: 20.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167708BL



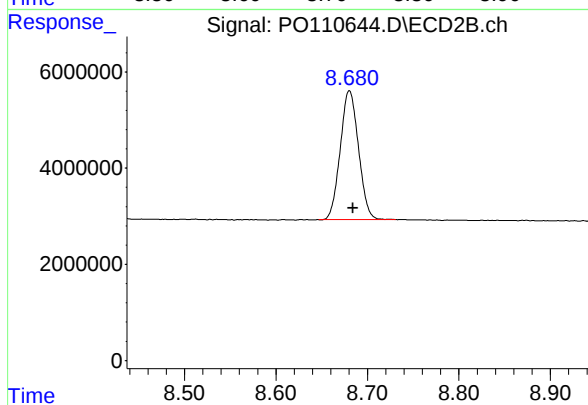
#1 Tetrachloro-m-xylene

R.T.: 3.683 min
Delta R.T.: -0.003 min
Response: 94049494
Conc: 18.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.730 min
Delta R.T.: -0.002 min
Response: 145725087
Conc: 18.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 37165716
Conc: 19.31 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/10/25
Project:	Henry Lea School	Date Received:	04/10/25
Client Sample ID:	PIBLK-PO110348.D	SDG No.:	Q1858
Lab Sample ID:	I.BLK-PO110348.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110348.D	1		04/10/25	PO041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		60 - 140	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		60 - 140	96%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0041025\
 Data File : PO110348.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 09:17
 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: Apr 10 19:25:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 10 18:44:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	158.3E6	90605960	18.096	18.158
2) SA Decachlor...	8.732	8.683	151.3E6	38875455	19.165	20.195

Target Compounds

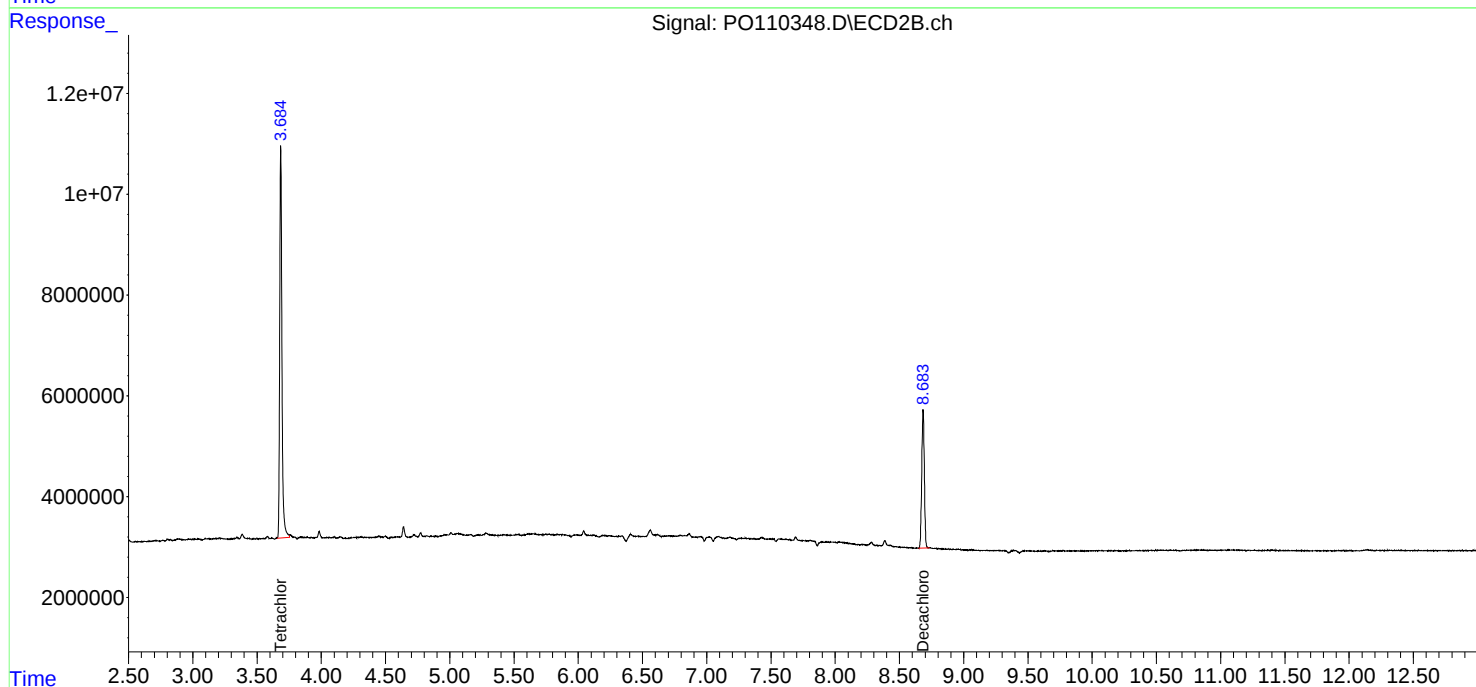
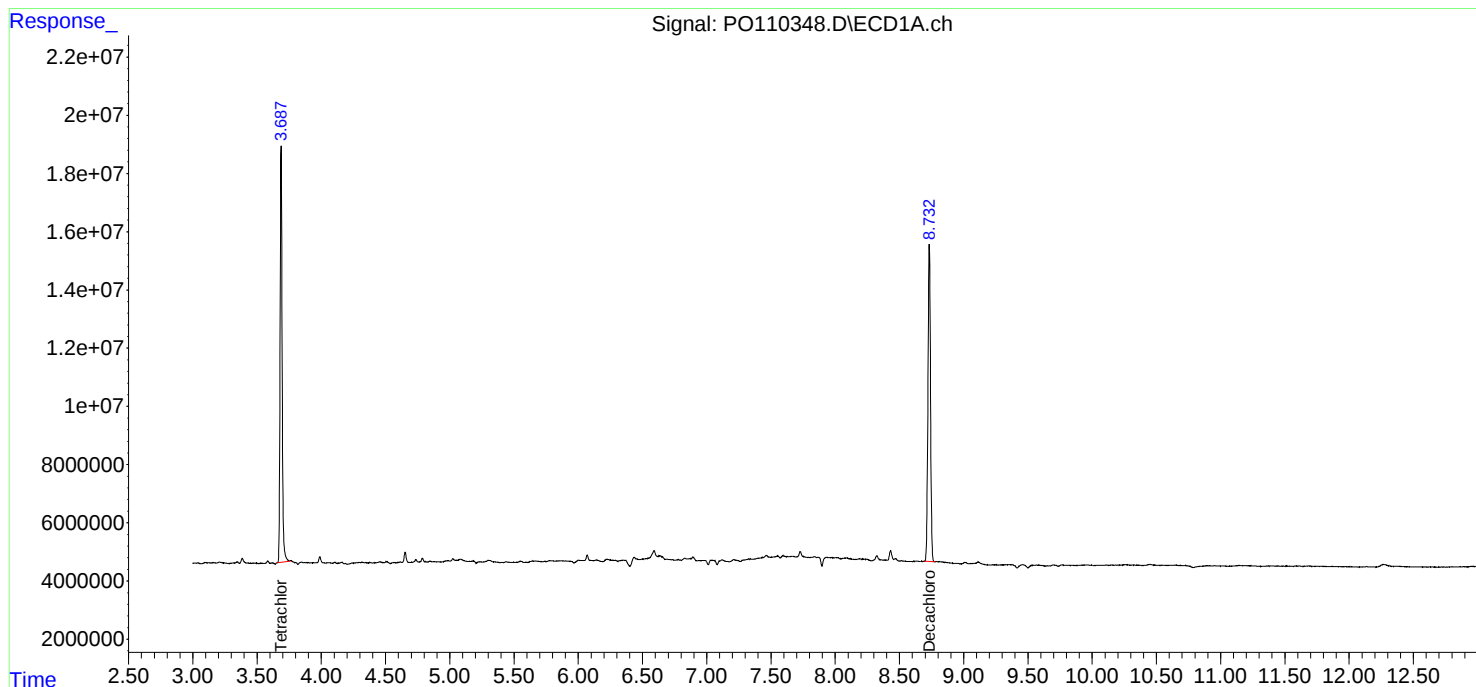
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

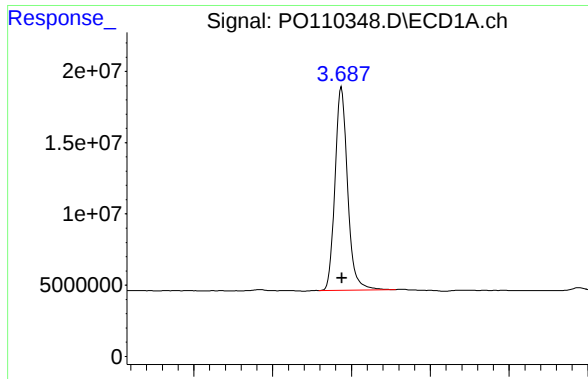
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO041025\
Data File : PO110348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 09:17
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 19:25:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 10 18:44:28 2025
Response via : 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

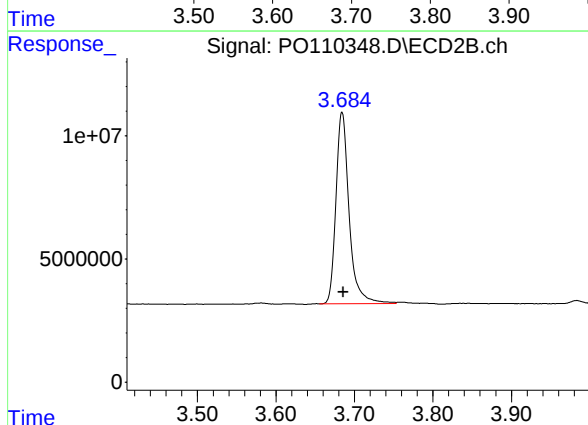




#1 Tetrachloro-m-xylene

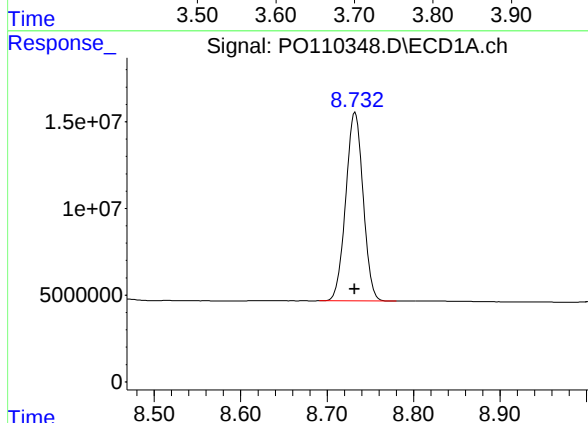
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 158319301
Conc: 18.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



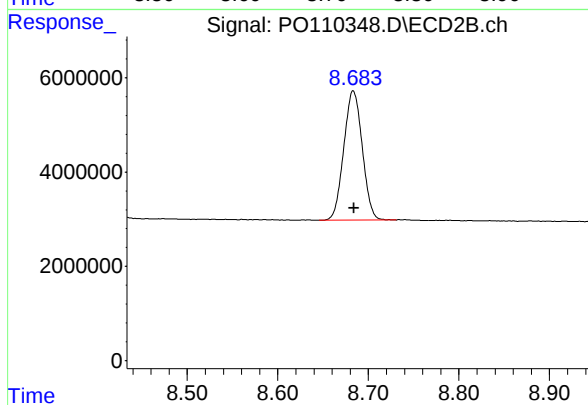
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.001 min
Response: 90605960
Conc: 18.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.732 min
Delta R.T.: 0.000 min
Response: 151304209
Conc: 19.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 38875455
Conc: 20.20 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/23/25
Project:	Henry Lea School	Date Received:	04/23/25
Client Sample ID:	PIBLK-PO110642.D	SDG No.:	Q1858
Lab Sample ID:	I.BLK-PO110642.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110642.D	1		04/23/25	PO042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.6		60 - 140	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.2		60 - 140	76%	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\P0042325\
Data File : P0110642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:00
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: Apr 23 22:09:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	143.5E6	77763705	16.398	15.585
2) SA Decachlor...	8.729	8.681	119.6E6	31212220	15.153	16.214

Target Compounds

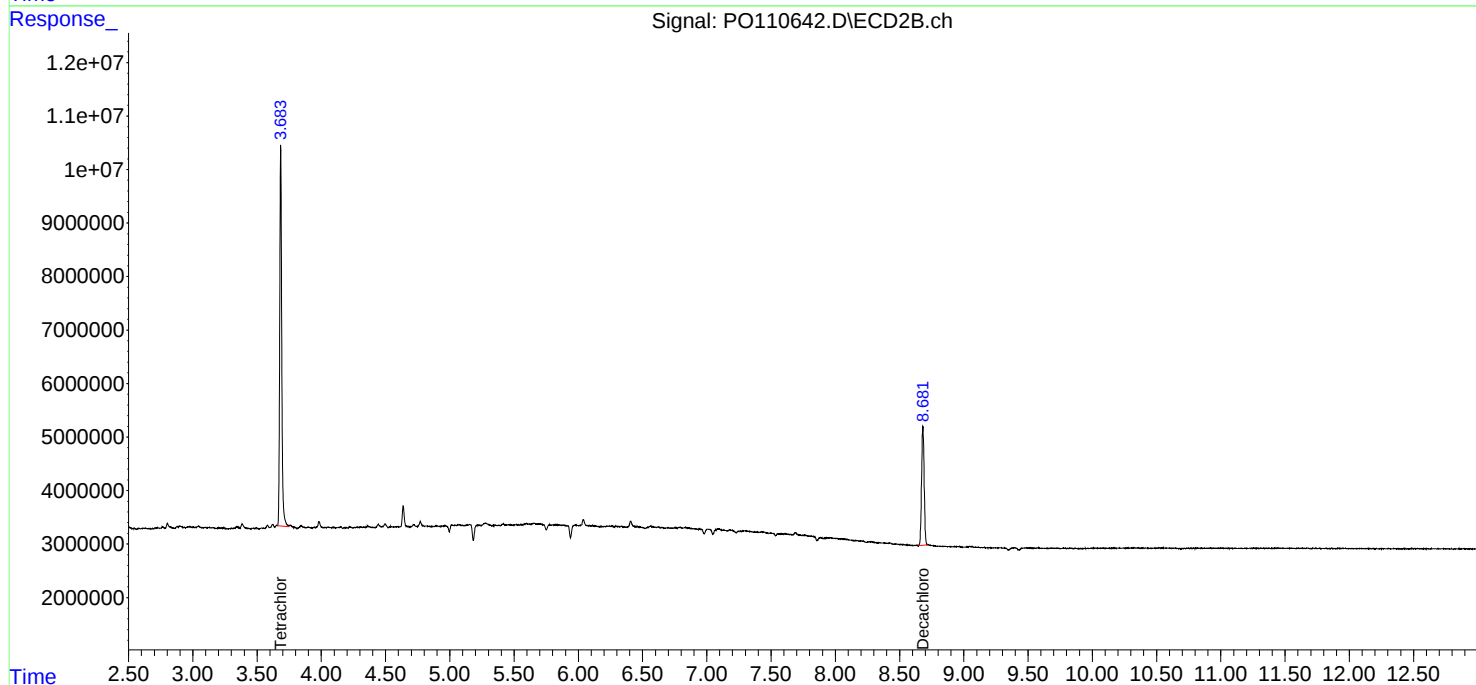
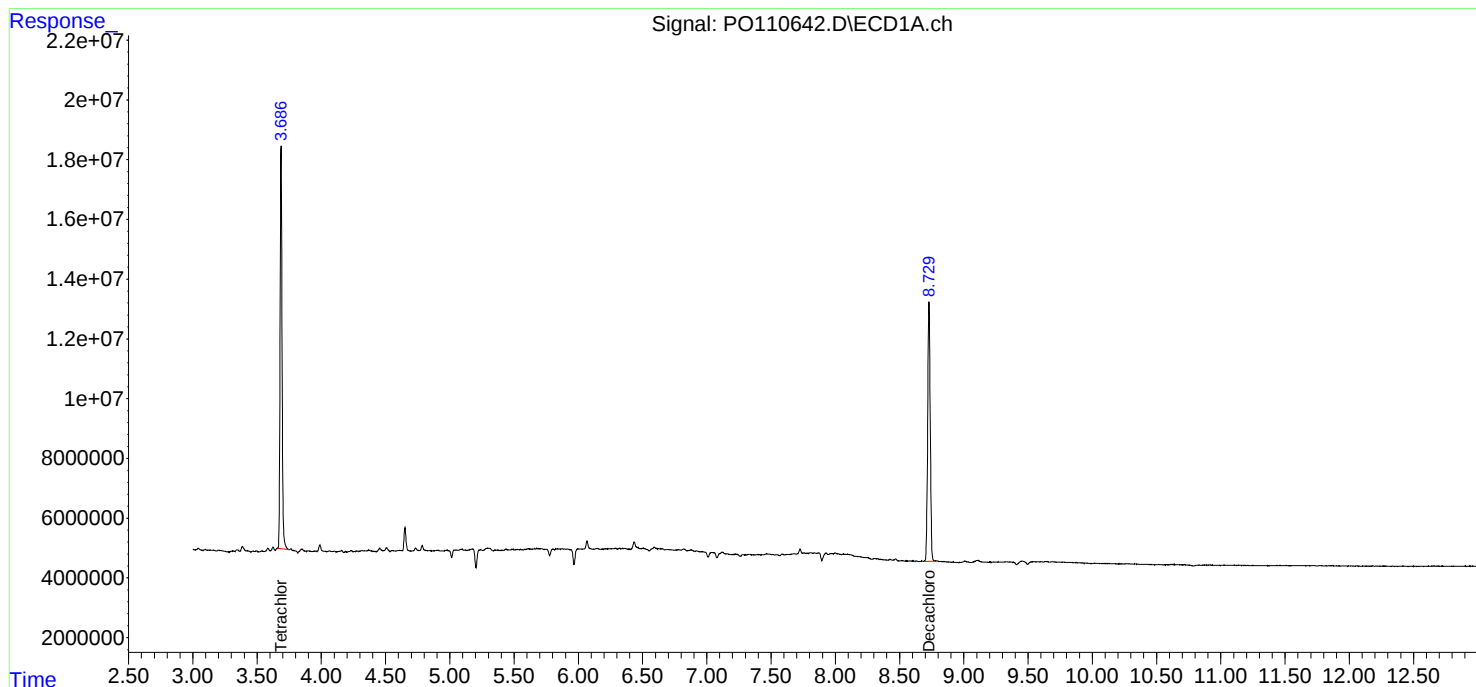
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

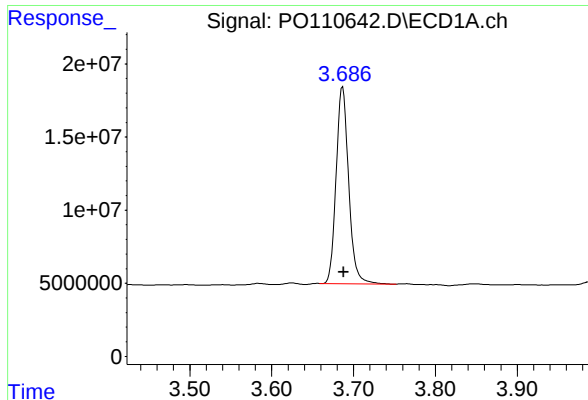
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:00
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:09:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

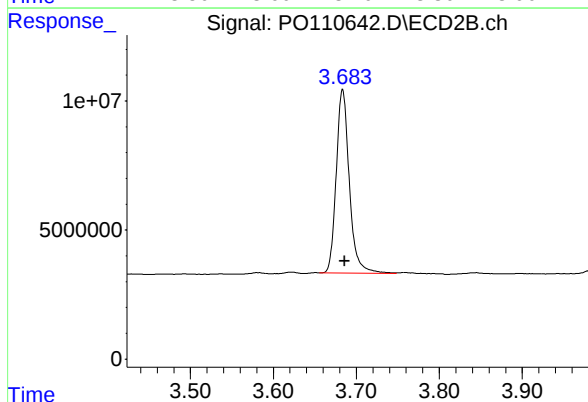




#1 Tetrachloro-m-xylene

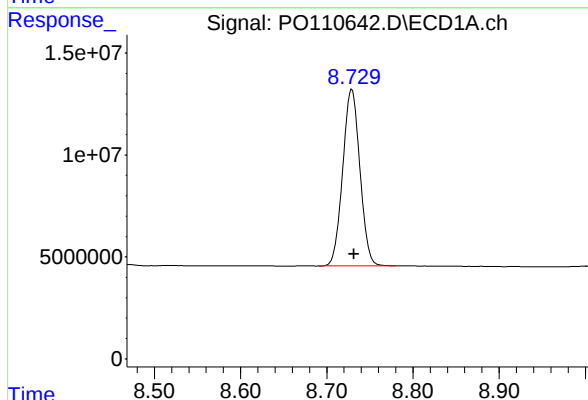
R.T.: 3.687 min
Delta R.T.: -0.001 min
Response: 143468267
Conc: 16.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



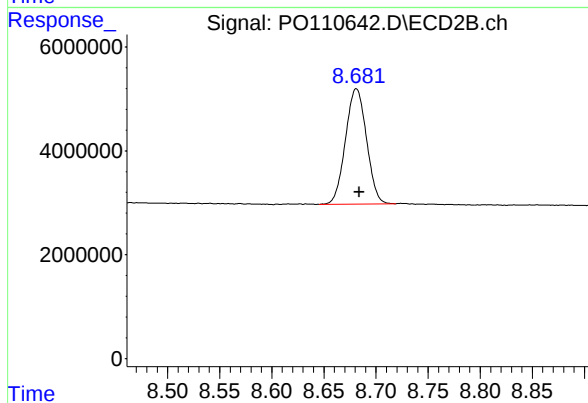
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.002 min
Response: 77763705
Conc: 15.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: -0.002 min
Response: 119629599
Conc: 15.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 31212220
Conc: 16.21 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/23/25
Project:	Henry Lea School	Date Received:	04/23/25
Client Sample ID:	PIBLK-PO110656.D	SDG No.:	Q1858
Lab Sample ID:	I.BLK-PO110656.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110656.D	1		04/23/25	PO042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.1		60 - 140	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		60 - 140	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\P0042325\
 Data File : PO110656.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 18:08
 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: Apr 23 22:14:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.683	148.0E6	80304686	16.912	16.094
2) SA Decachlor...	8.728	8.681	124.5E6	31574079	15.773	16.402

Target Compounds

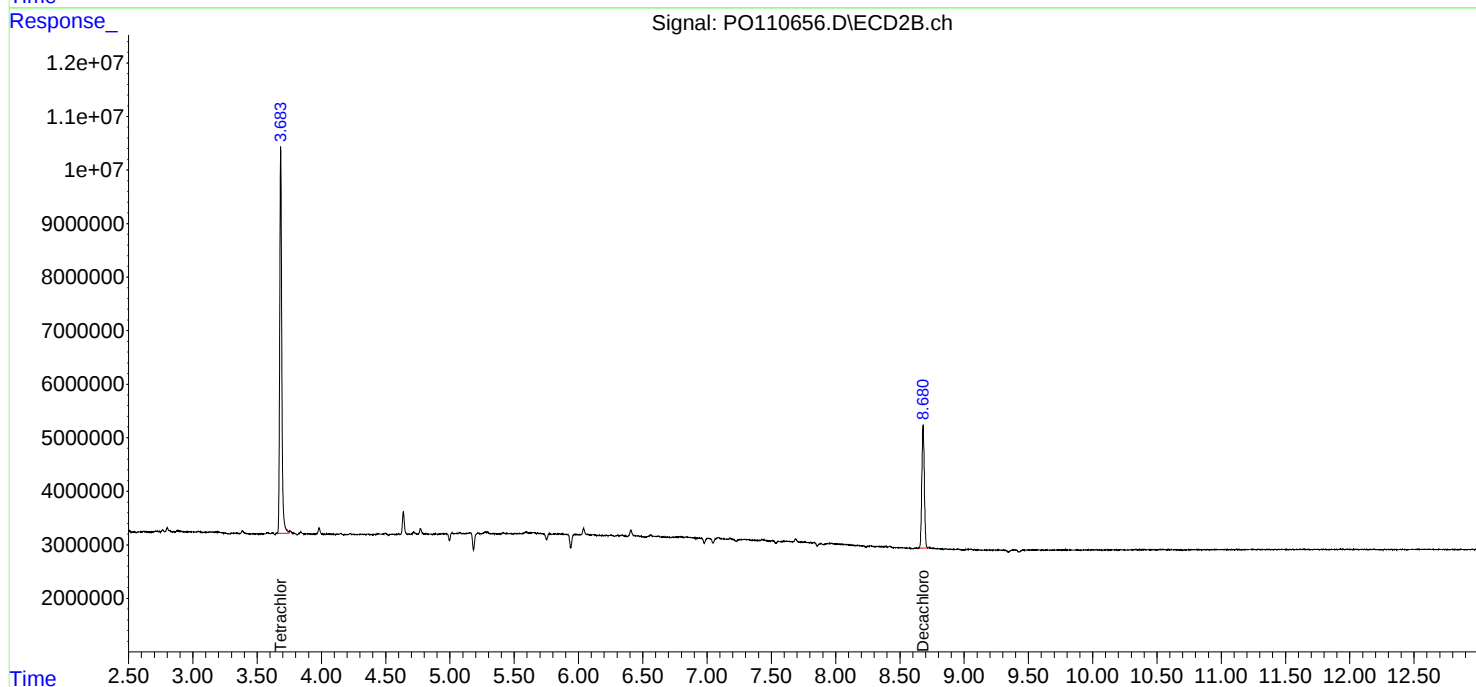
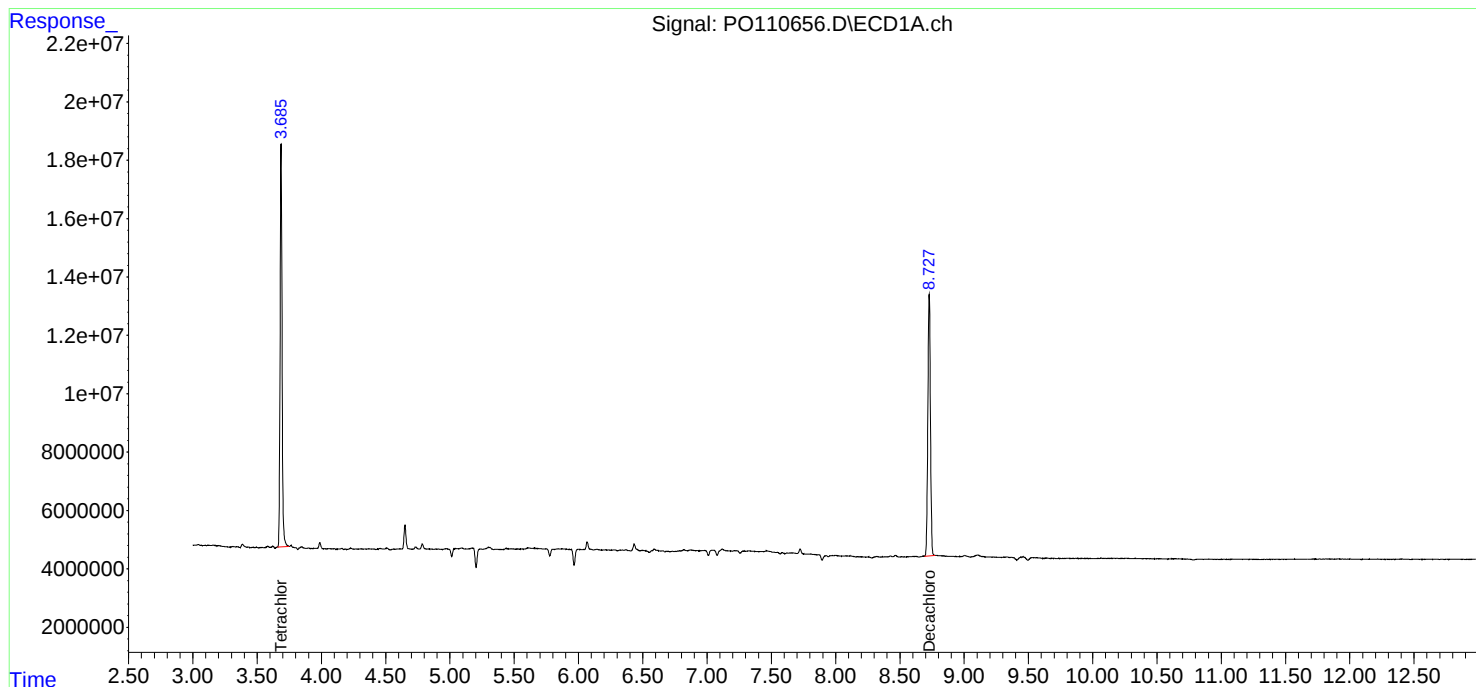
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

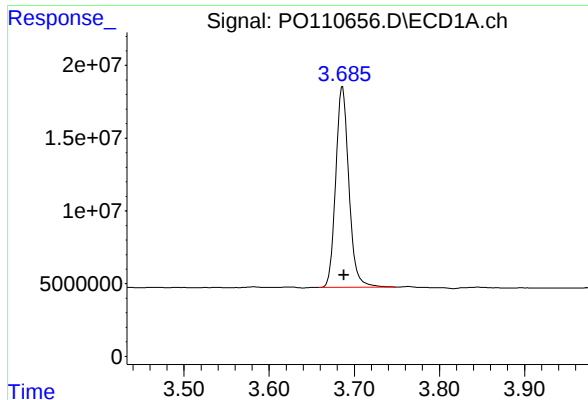
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 18:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

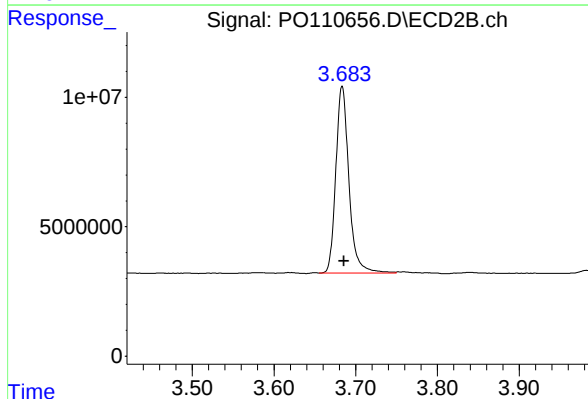




#1 Tetrachloro-m-xylene

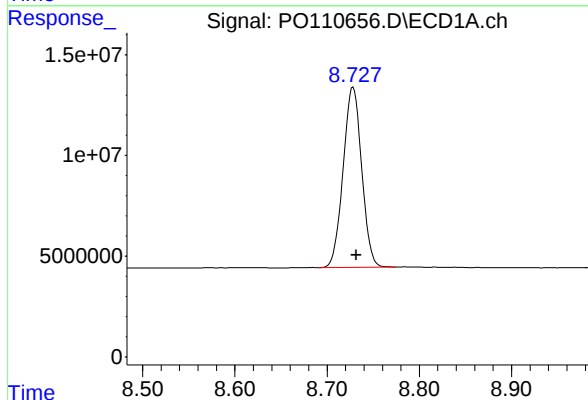
R.T.: 3.686 min
Delta R.T.: -0.002 min
Response: 147960022
Conc: 16.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



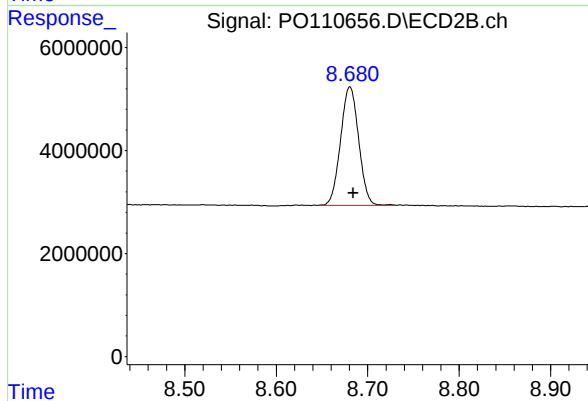
#1 Tetrachloro-m-xylene

R.T.: 3.683 min
Delta R.T.: -0.002 min
Response: 80304686
Conc: 16.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: -0.004 min
Response: 124527295
Conc: 15.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.681 min
Delta R.T.: -0.004 min
Response: 31574079
Conc: 16.40 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/24/25
Project:	Henry Lea School	Date Received:	04/24/25
Client Sample ID:	PIBLK-PO110671.D	SDG No.:	Q1858
Lab Sample ID:	I.BLK-PO110671.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110671.D	1		04/24/25	PO042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.4		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		60 - 140	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\P0042325\
 Data File : PO110671.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Apr 2025 00:39
 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: Apr 24 01:14:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.684	3.682	151.7E6	81787124	17.335	16.391
2) SA Decachlor...	8.726	8.679	126.5E6	32073696	16.017	16.662

Target Compounds

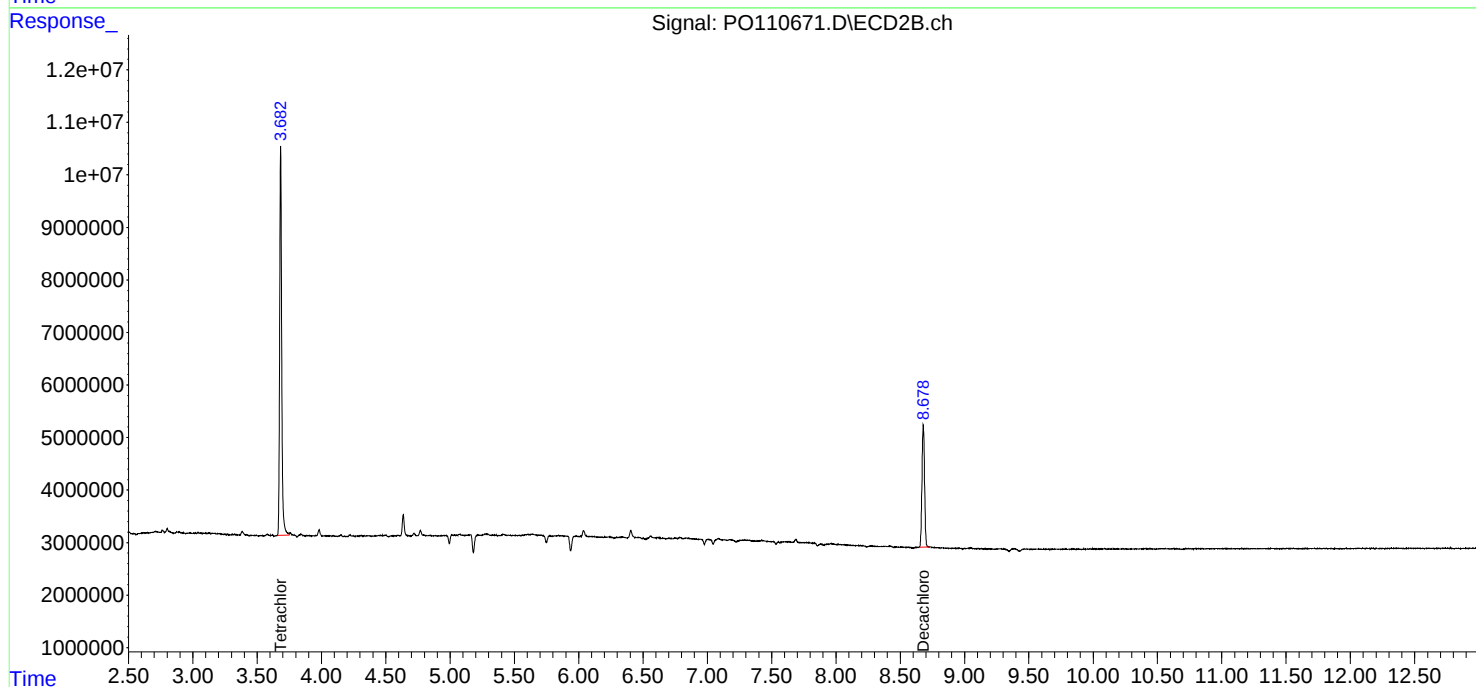
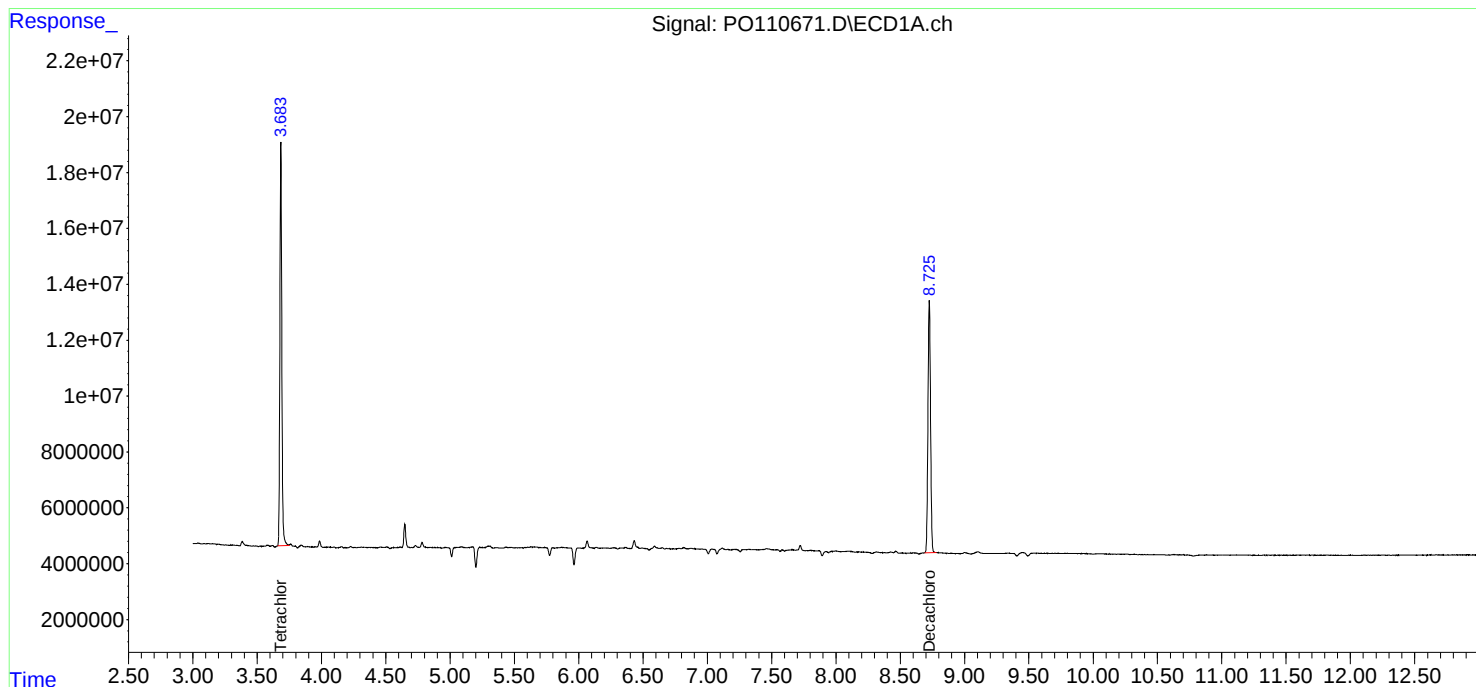
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

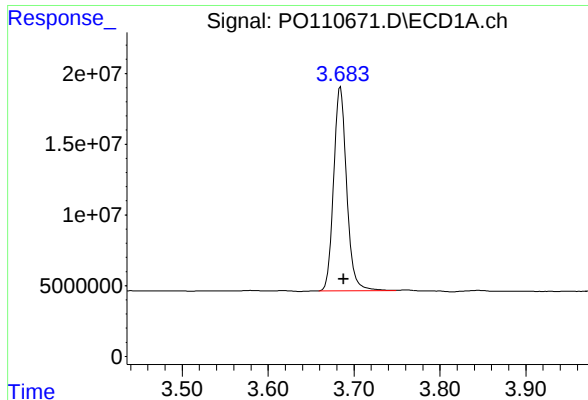
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Apr 2025 00:39
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:14:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

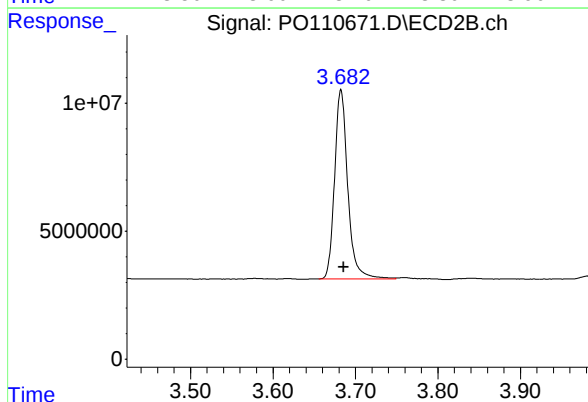




#1 Tetrachloro-m-xylene

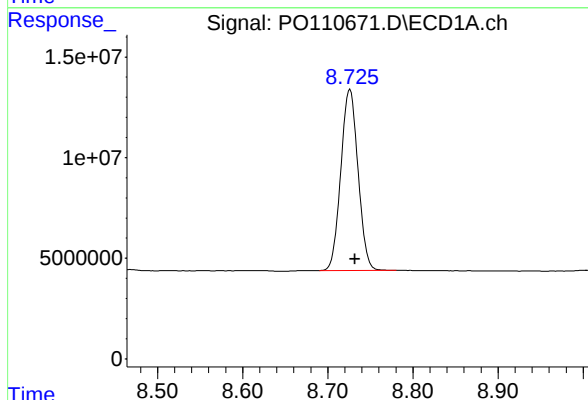
R.T.: 3.684 min
Delta R.T.: -0.004 min
Response: 151666228
Conc: 17.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



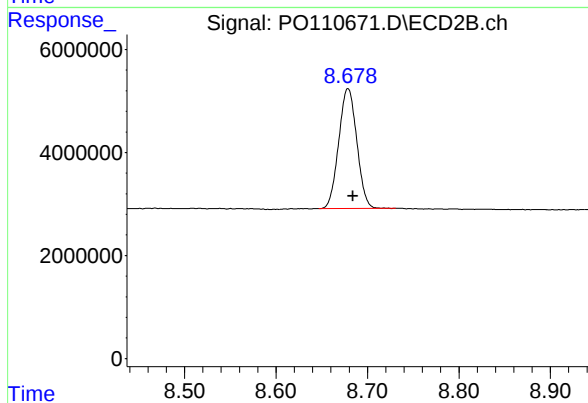
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: -0.003 min
Response: 81787124
Conc: 16.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: -0.006 min
Response: 126450003
Conc: 16.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.679 min
Delta R.T.: -0.005 min
Response: 32073696
Conc: 16.66 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Henry Lea School	Date Received:	
Client Sample ID:	PB167708BS	SDG No.:	Q1858
Lab Sample ID:	PB167708BS	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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110645.D	1	04/23/25 08:35	04/23/25 12:49	PB167708

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	151		3.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
11096-82-5	Aroclor-1260	145		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		32 - 175	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0042325\
 Data File : PO110645.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:49
 Operator : YP/AJ
 Sample : PB167708BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB167708BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:10:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	169.8E6	89298977	19.407	17.896
2) SA Decachlor...	8.730	8.681	148.4E6	37119917	18.801	19.283
Target Compounds						
3) L1 AR-1016-1	4.777	4.764	151.4E6	75592750	461.245	430.705
4) L1 AR-1016-2	4.796	4.783	210.7E6	107.8E6	463.119	428.836
5) L1 AR-1016-3	4.853	4.958	144.8E6	57715497	449.037	425.283
6) L1 AR-1016-4	4.973	5.000	114.6E6	47635668	459.762	416.513
7) L1 AR-1016-5	5.230	5.213	118.5E6	60477535	440.655	405.688
31) L7 AR-1260-1	6.270	6.244	226.0E6	107.9E6	478.364	438.628
32) L7 AR-1260-2	6.459	6.432	274.7E6	125.4E6	468.450	429.827
33) L7 AR-1260-3	6.827	6.584	196.6E6	116.7E6	398.845	430.835
34) L7 AR-1260-4	7.086	7.055	180.9E6	79209750	426.256	394.785
35) L7 AR-1260-5	7.329	7.296	417.5E6	173.8E6	400.111	378.722

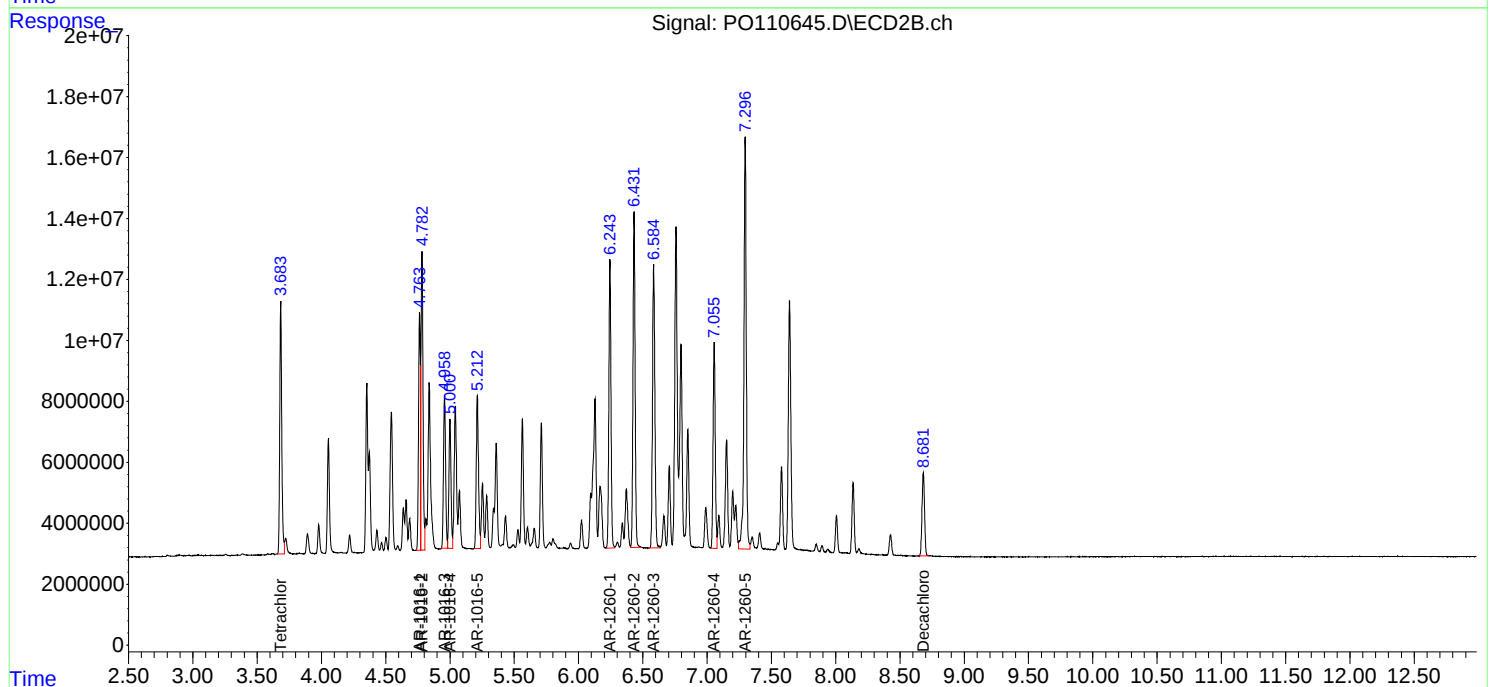
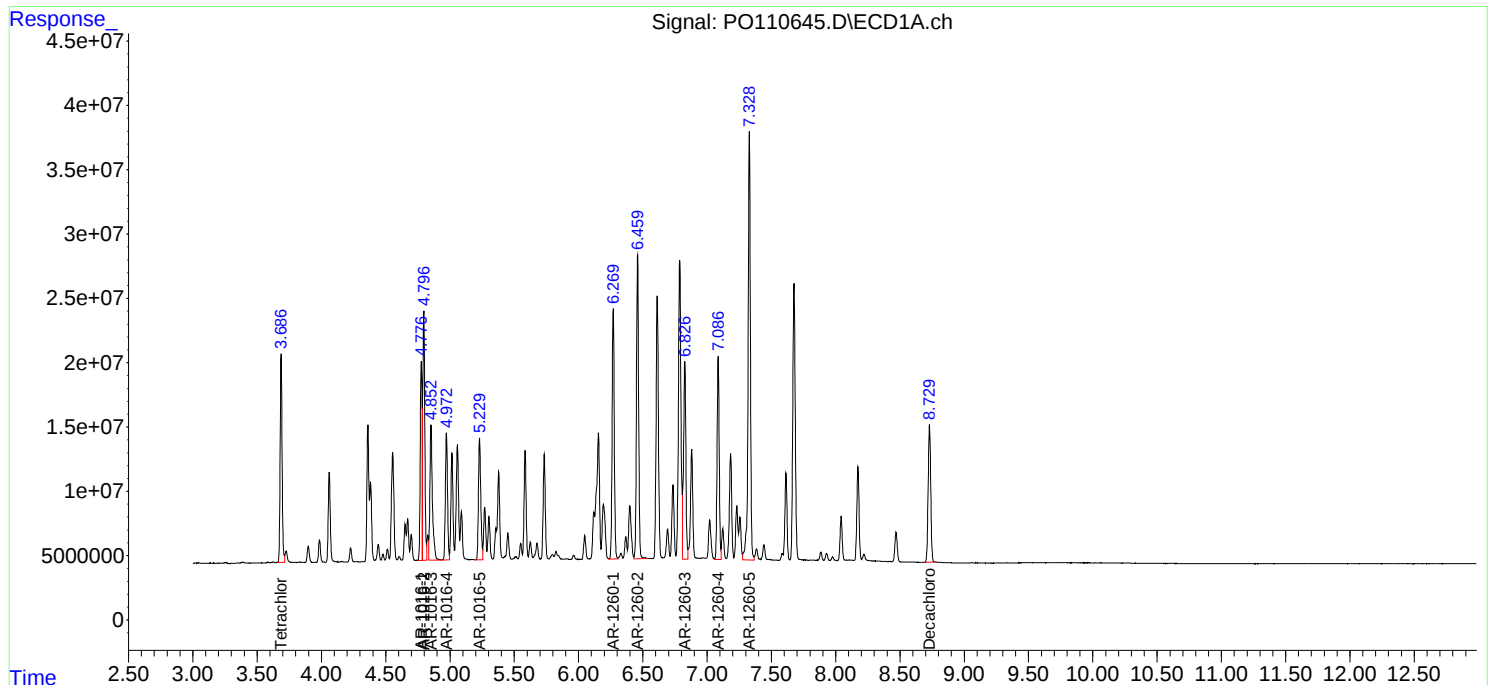
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

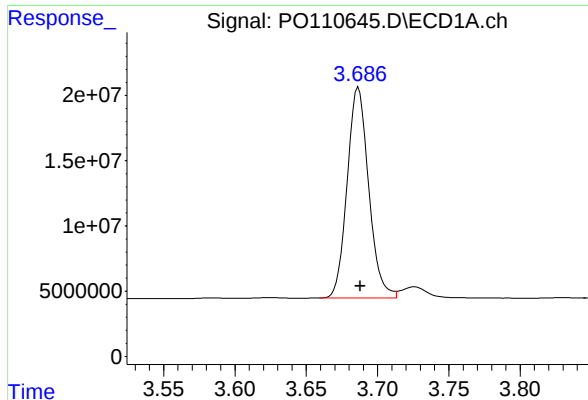
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:49
Operator : YP/AJ
Sample : PB167708BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167708BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:10:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

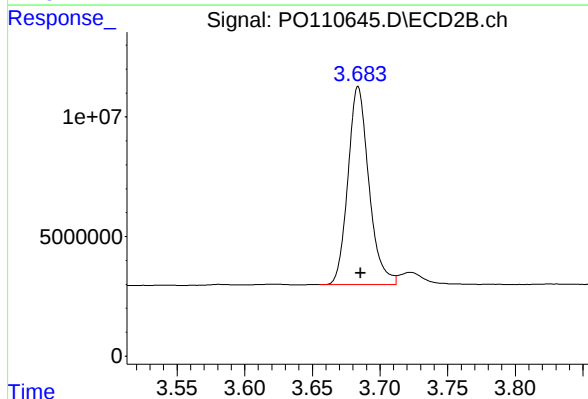




#1 Tetrachloro-m-xylene

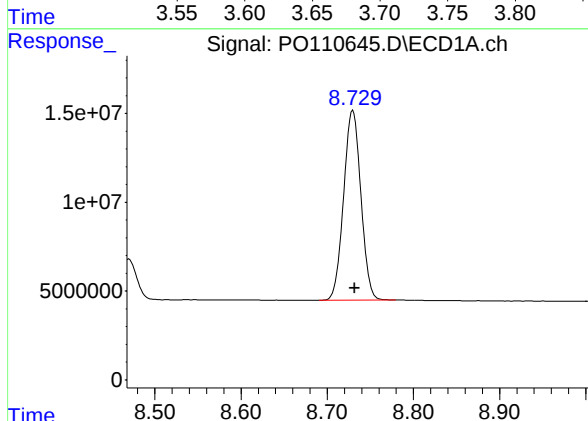
R.T.: 3.687 min
Delta R.T.: -0.001 min
Response: 169791792
Conc: 19.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167708BS



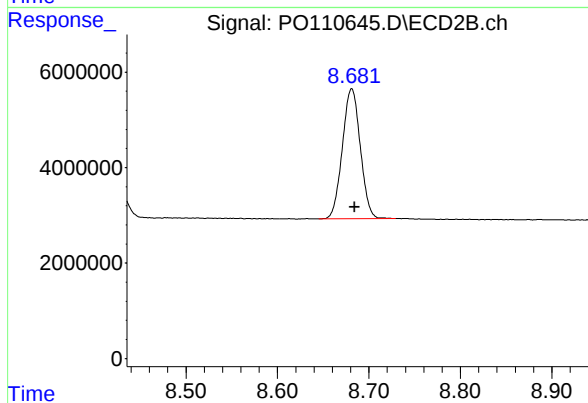
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.002 min
Response: 89298977
Conc: 17.90 ng/ml



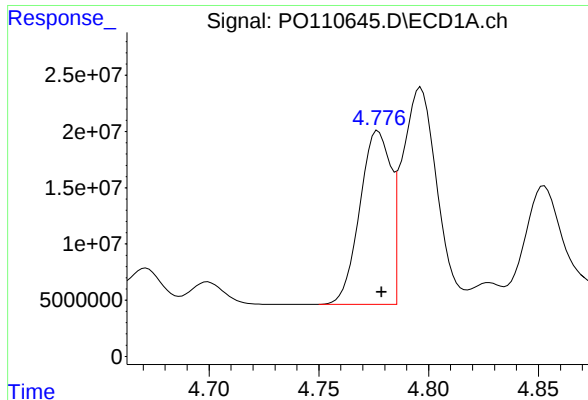
#2 Decachlorobiphenyl

R.T.: 8.730 min
Delta R.T.: -0.002 min
Response: 148429172
Conc: 18.80 ng/ml



#2 Decachlorobiphenyl

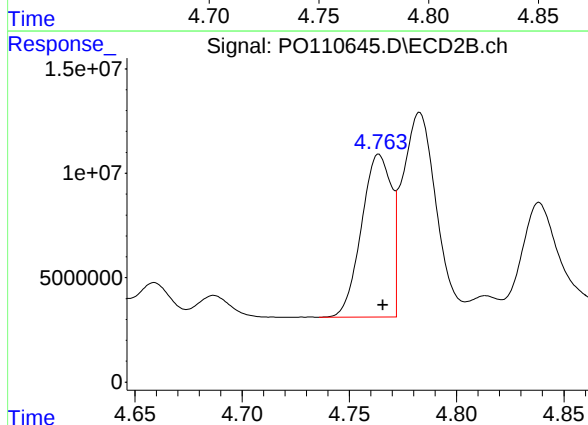
R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 37119917
Conc: 19.28 ng/ml



#3 AR-1016-1

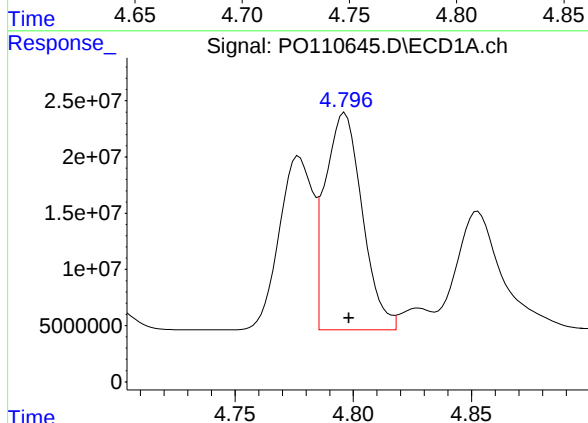
R.T.: 4.777 min
Delta R.T.: -0.002 min
Response: 151354525
Conc: 461.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167708BS



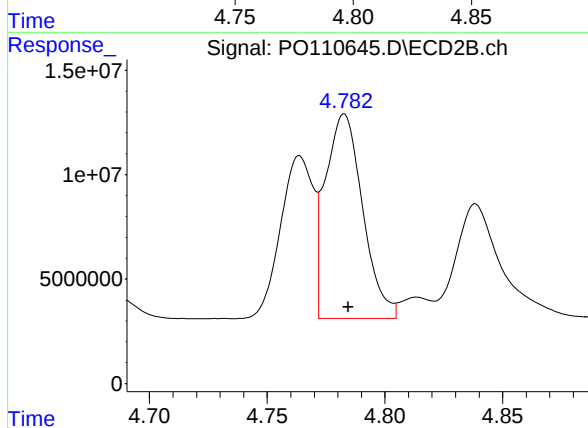
#3 AR-1016-1

R.T.: 4.764 min
Delta R.T.: -0.002 min
Response: 75592750
Conc: 430.70 ng/ml



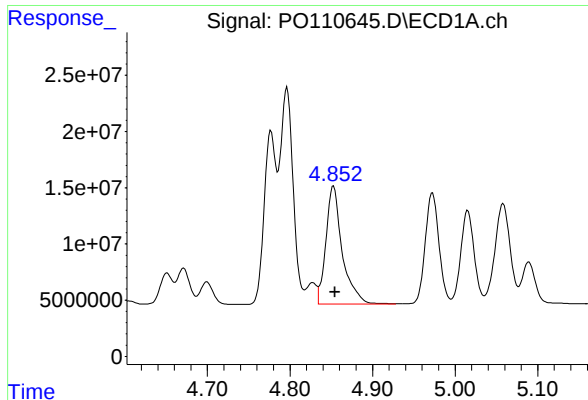
#4 AR-1016-2

R.T.: 4.796 min
Delta R.T.: -0.002 min
Response: 210695291
Conc: 463.12 ng/ml



#4 AR-1016-2

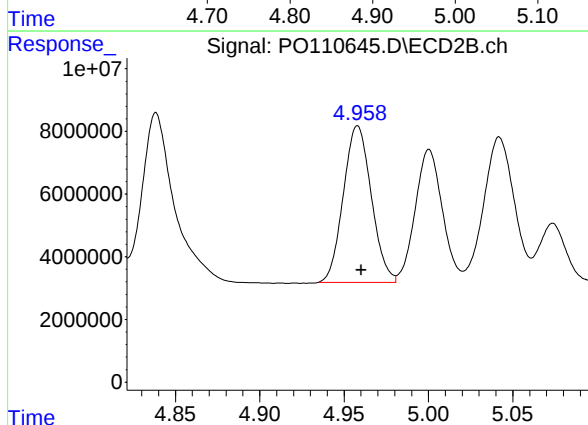
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 107837143
Conc: 428.84 ng/ml



#5 AR-1016-3

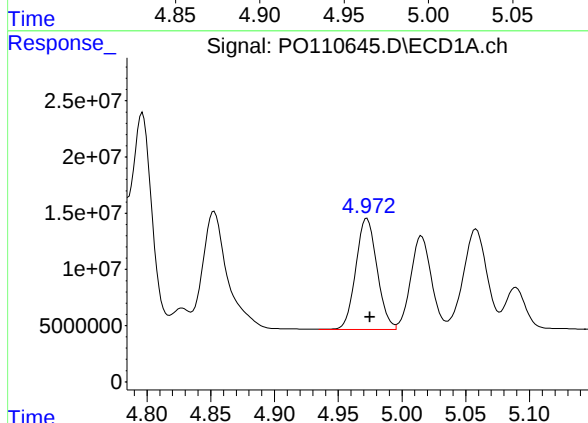
R.T.: 4.853 min
Delta R.T.: -0.002 min
Response: 144826967
Conc: 449.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167708BS



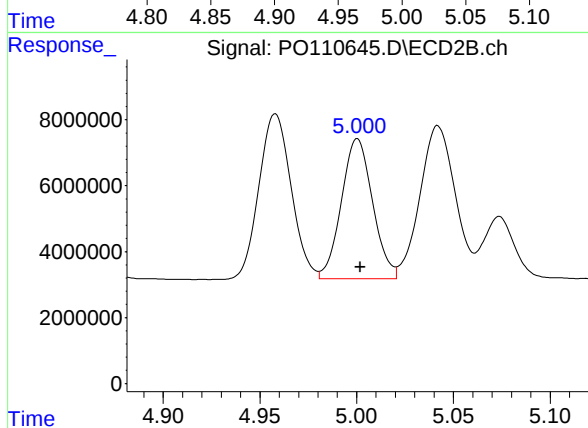
#5 AR-1016-3

R.T.: 4.958 min
Delta R.T.: -0.002 min
Response: 57715497
Conc: 425.28 ng/ml



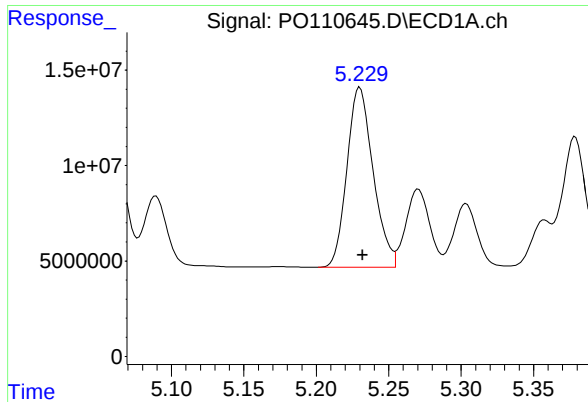
#6 AR-1016-4

R.T.: 4.973 min
Delta R.T.: -0.002 min
Response: 114556426
Conc: 459.76 ng/ml



#6 AR-1016-4

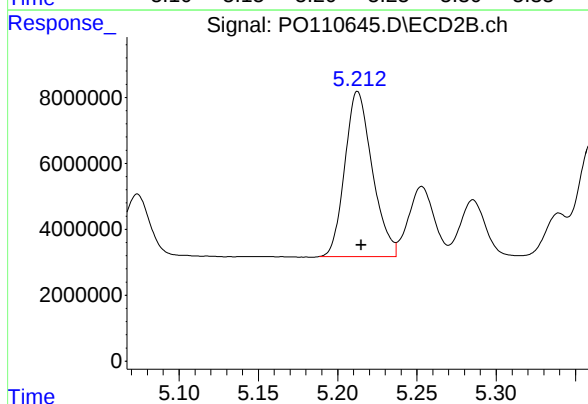
R.T.: 5.000 min
Delta R.T.: -0.001 min
Response: 47635668
Conc: 416.51 ng/ml



#7 AR-1016-5

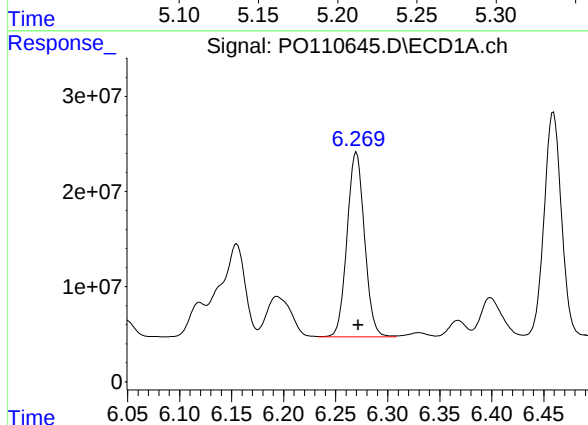
R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 118541459
Conc: 440.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167708BS



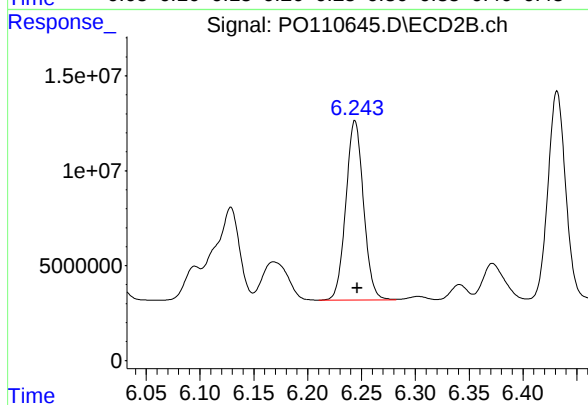
#7 AR-1016-5

R.T.: 5.213 min
Delta R.T.: -0.002 min
Response: 60477535
Conc: 405.69 ng/ml



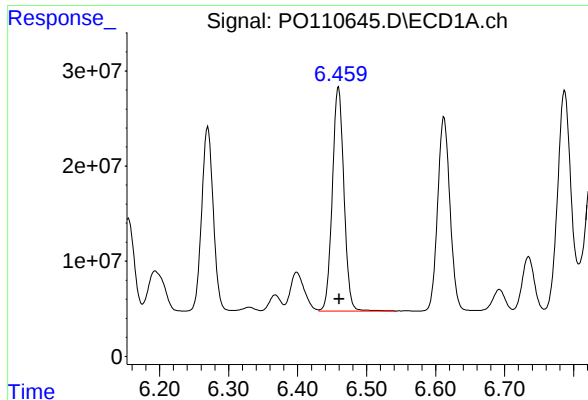
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.002 min
Response: 226000850
Conc: 478.36 ng/ml



#31 AR-1260-1

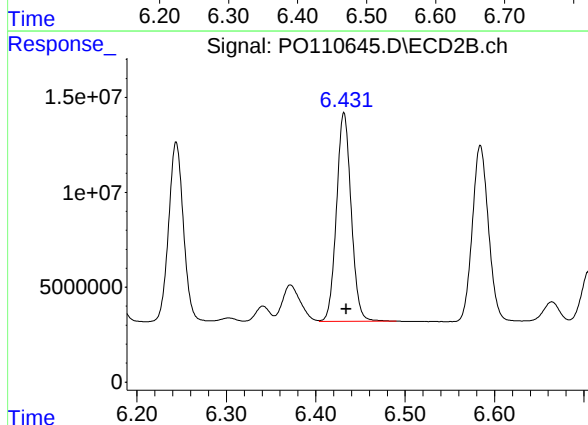
R.T.: 6.244 min
Delta R.T.: -0.002 min
Response: 107886606
Conc: 438.63 ng/ml



#32 AR-1260-2

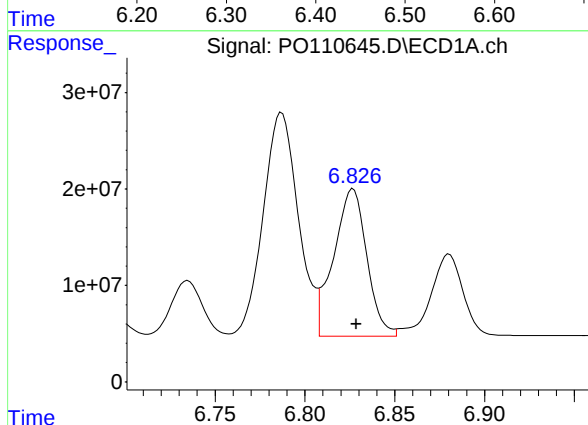
R.T.: 6.459 min
Delta R.T.: 0.000 min
Response: 274710324
Conc: 468.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167708BS



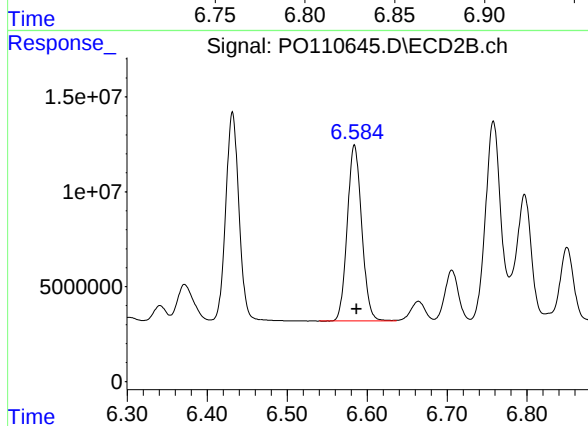
#32 AR-1260-2

R.T.: 6.432 min
Delta R.T.: -0.002 min
Response: 125402477
Conc: 429.83 ng/ml



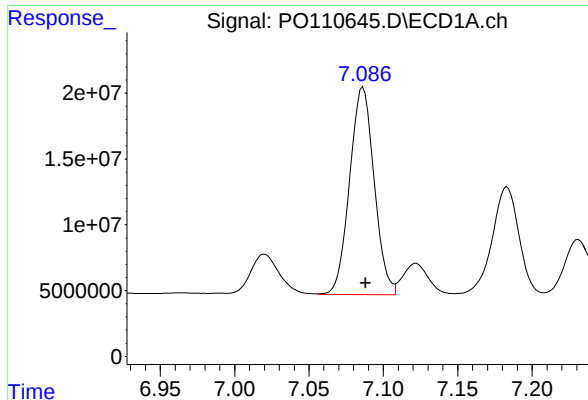
#33 AR-1260-3

R.T.: 6.827 min
Delta R.T.: -0.002 min
Response: 196579739
Conc: 398.85 ng/ml



#33 AR-1260-3

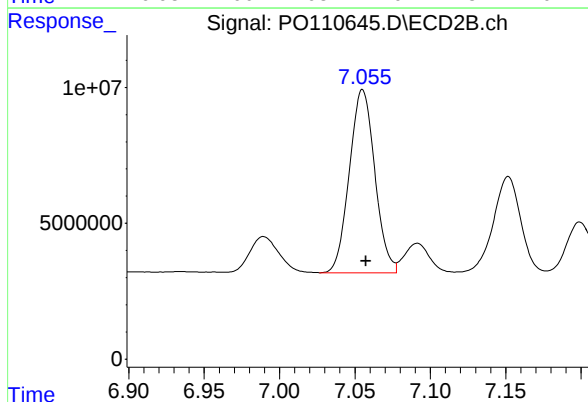
R.T.: 6.584 min
Delta R.T.: -0.003 min
Response: 116706234
Conc: 430.83 ng/ml



#34 AR-1260-4

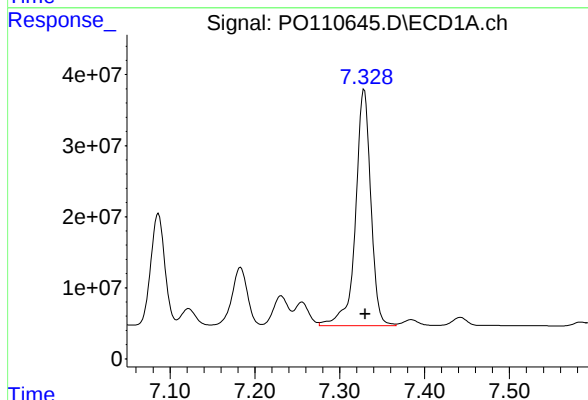
R.T.: 7.086 min
Delta R.T.: -0.002 min
Response: 180912751
Conc: 426.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167708BS



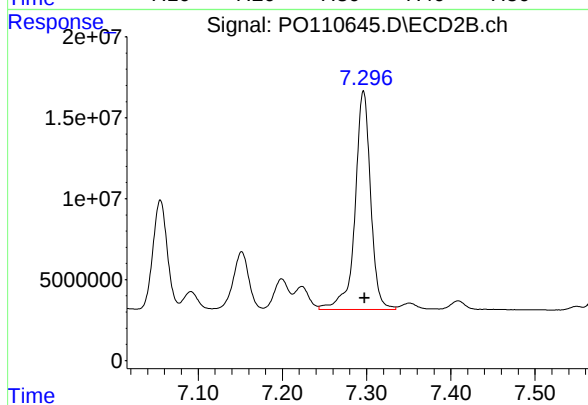
#34 AR-1260-4

R.T.: 7.055 min
Delta R.T.: -0.002 min
Response: 79209750
Conc: 394.79 ng/ml



#35 AR-1260-5

R.T.: 7.329 min
Delta R.T.: -0.002 min
Response: 417504682
Conc: 400.11 ng/ml



#35 AR-1260-5

R.T.: 7.296 min
Delta R.T.: -0.001 min
Response: 173779274
Conc: 378.72 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-1MS	SDG No.:	Q1858
Lab Sample ID:	Q1859-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	79.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110661.D	1	04/23/25 08:35	04/23/25 19:38	PB167708

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	178		5.00	21.3	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.3	ug/kg
11096-82-5	Aroclor-1260	144		4.10	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		32 - 144	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		32 - 175	61%	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\P0042325\
 Data File : PO110661.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 19:38
 Operator : YP/AJ
 Sample : Q1859-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 COMP-1MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:15:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.683	158.5E6	84872715	18.117	17.009
2) SA Decachlor...	8.729	8.681	83891598	23294479	10.626	12.101
Target Compounds						
3) L1 AR-1016-1	4.777	4.763	142.7E6	74526384	434.890	424.629
4) L1 AR-1016-2	4.796	4.782	197.2E6	103.9E6	433.441	413.147
5) L1 AR-1016-3	4.852	4.958	136.7E6	55545852	423.764	409.295
6) L1 AR-1016-4	4.973	5.000	107.7E6	44710265	432.106	390.934
7) L1 AR-1016-5	5.230	5.212	109.9E6	57628750	408.522	386.578
31) L7 AR-1260-1	6.270	6.244	192.2E6	96089438	406.850	390.665
32) L7 AR-1260-2	6.458	6.432	215.9E6	103.3E6	368.218	354.017
33) L7 AR-1260-3	6.826	6.584	150.0E6	97493953	304.389	359.910
34) L7 AR-1260-4	7.086	7.055	139.9E6	65091130	329.660	324.417
35) L7 AR-1260-5	7.329	7.296	314.5E6	135.9E6	301.442	296.159

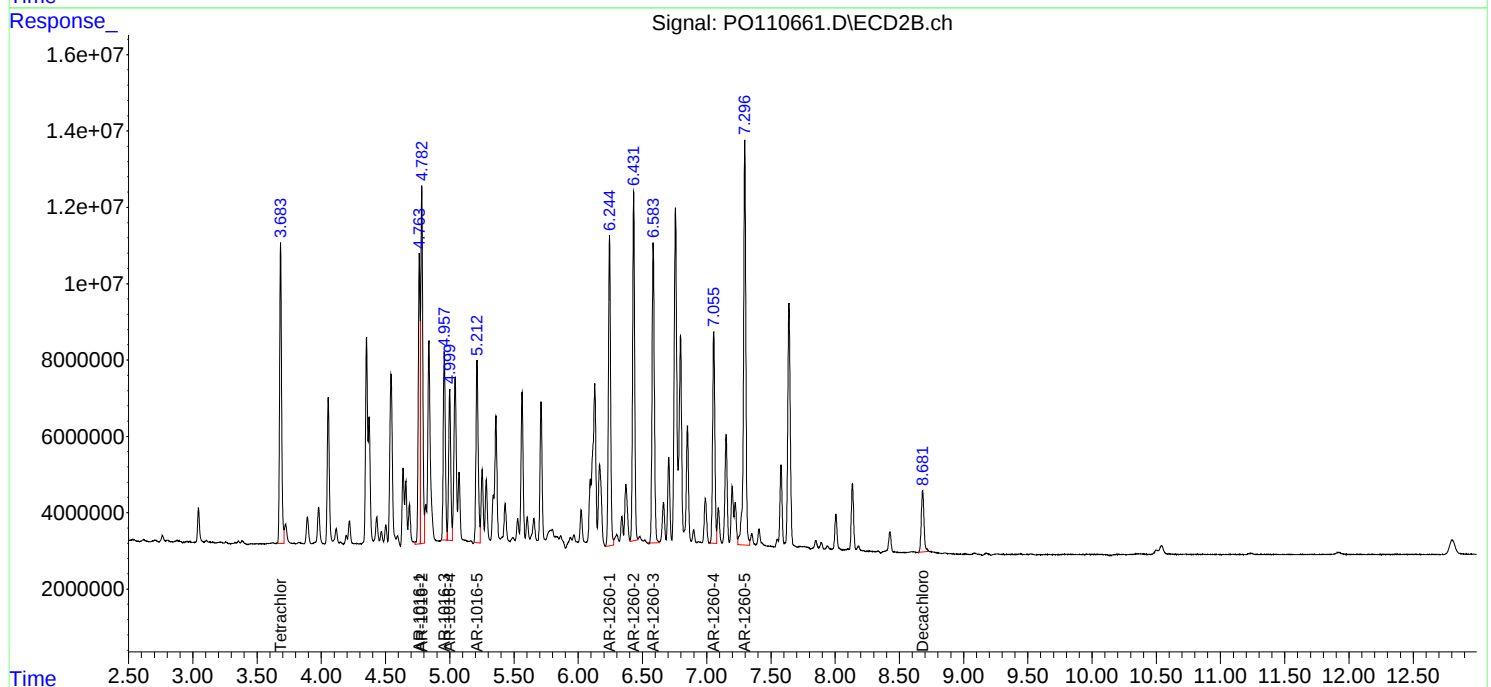
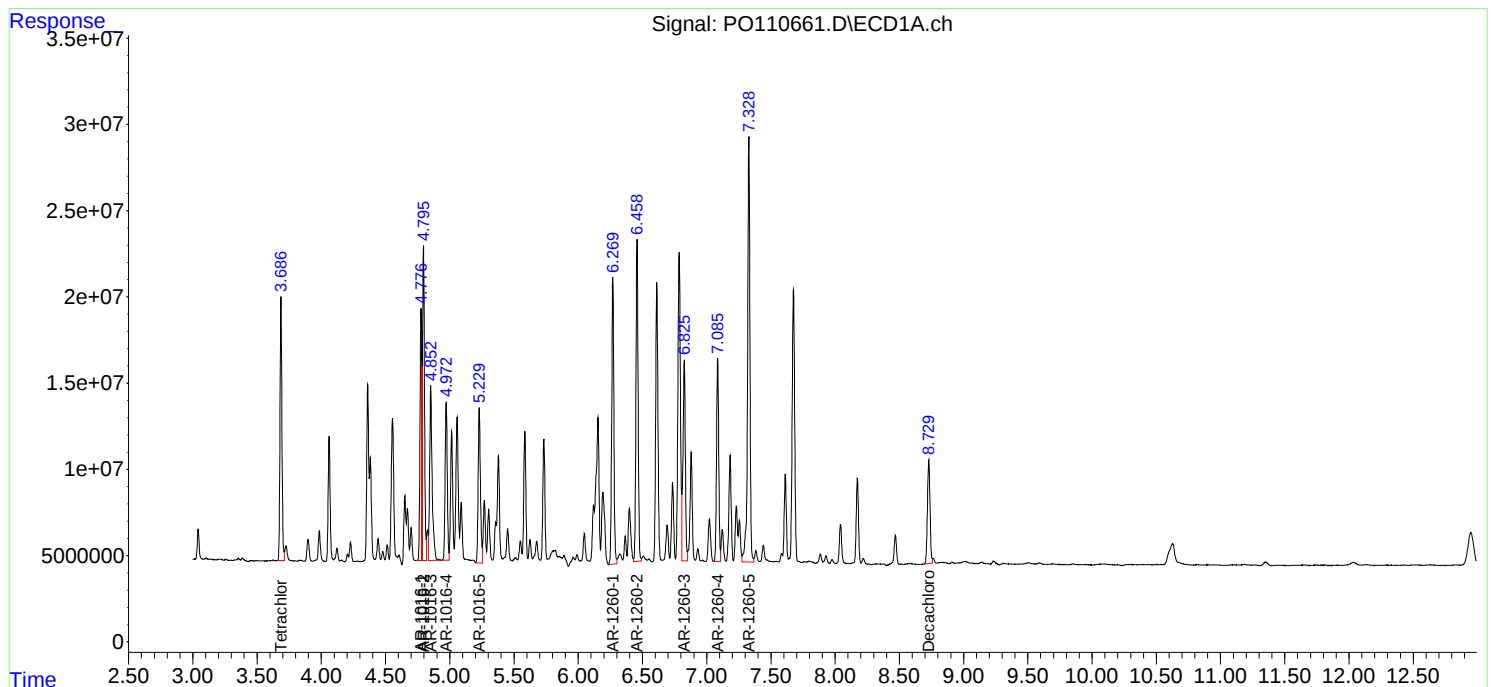
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

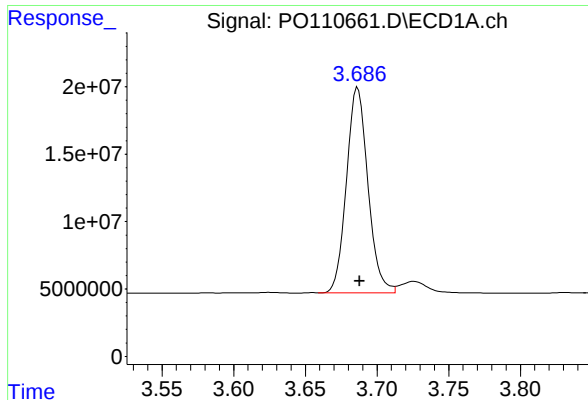
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110661.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 19:38
Operator : YP/AJ
Sample : Q1859-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
COMP-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:15:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : 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

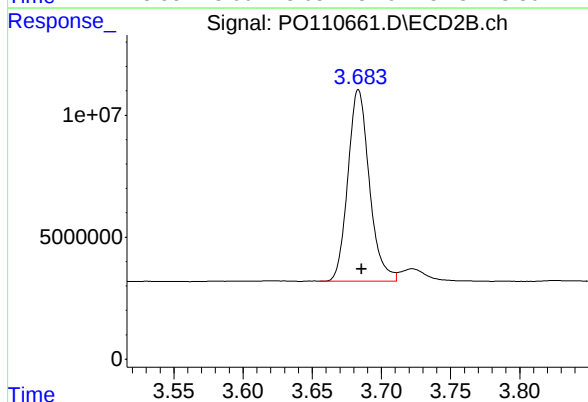




#1 Tetrachloro-m-xylene

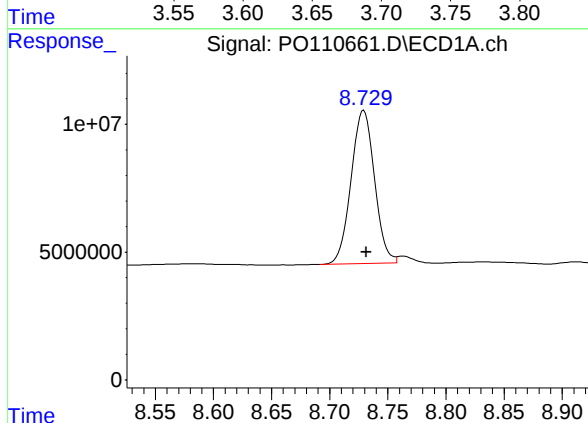
R.T.: 3.687 min
Delta R.T.: -0.001 min
Response: 158506514
Conc: 18.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MS



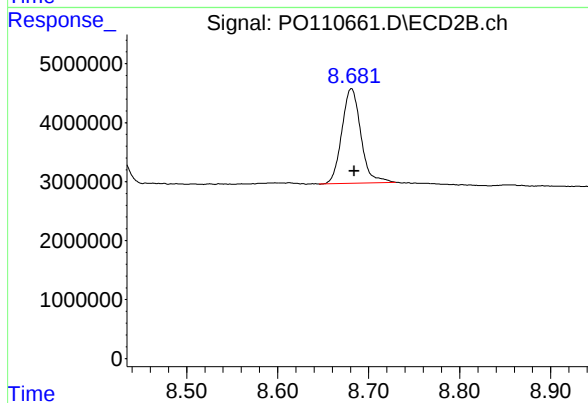
#1 Tetrachloro-m-xylene

R.T.: 3.683 min
Delta R.T.: -0.002 min
Response: 84872715
Conc: 17.01 ng/ml



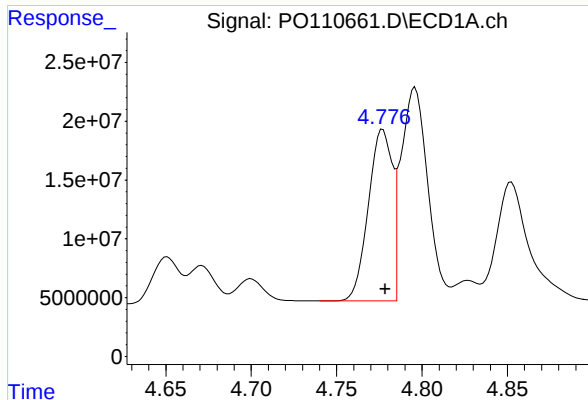
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: -0.002 min
Response: 83891598
Conc: 10.63 ng/ml



#2 Decachlorobiphenyl

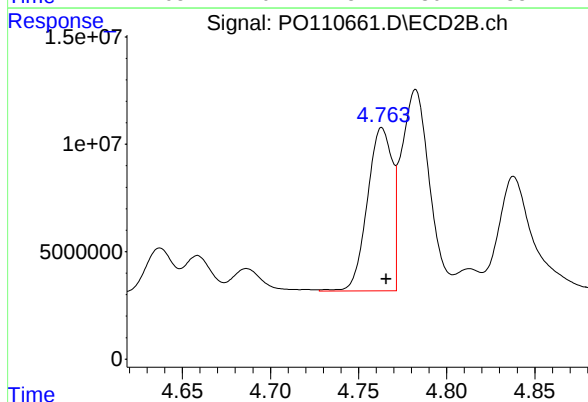
R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 23294479
Conc: 12.10 ng/ml



#3 AR-1016-1

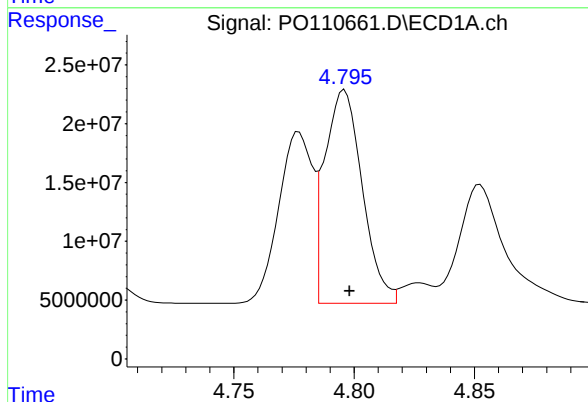
R.T.: 4.777 min
Delta R.T.: -0.002 min
Response: 142706182
Conc: 434.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MS



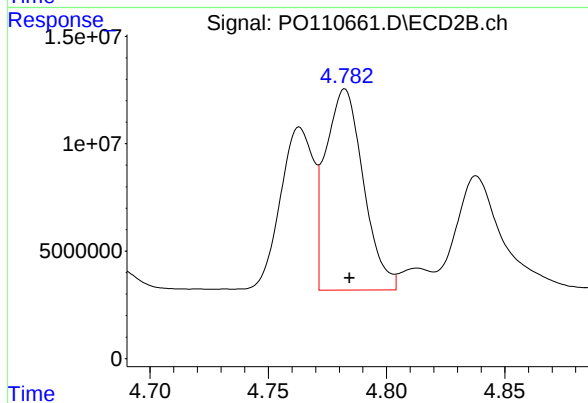
#3 AR-1016-1

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 74526384
Conc: 424.63 ng/ml



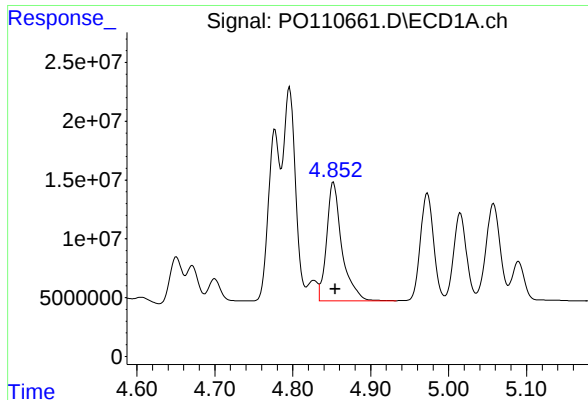
#4 AR-1016-2

R.T.: 4.796 min
Delta R.T.: -0.002 min
Response: 197193063
Conc: 433.44 ng/ml



#4 AR-1016-2

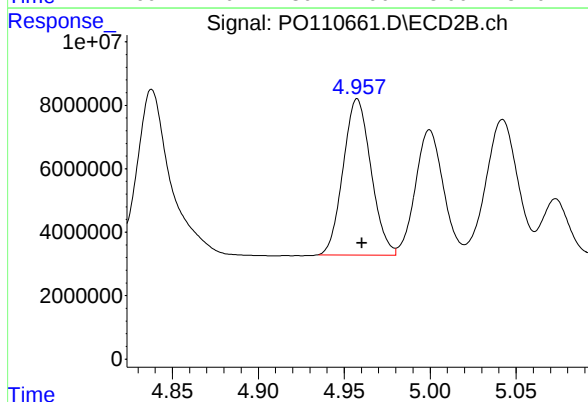
R.T.: 4.782 min
Delta R.T.: -0.002 min
Response: 103891915
Conc: 413.15 ng/ml



#5 AR-1016-3

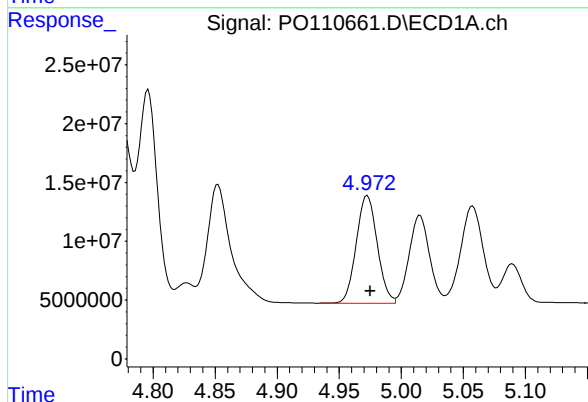
R.T.: 4.852 min
Delta R.T.: -0.002 min
Response: 136675489
Conc: 423.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MS



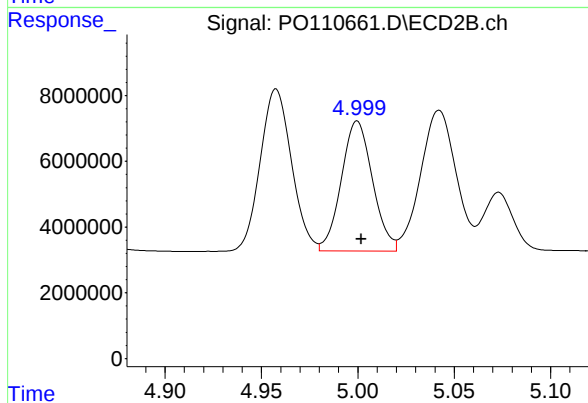
#5 AR-1016-3

R.T.: 4.958 min
Delta R.T.: -0.003 min
Response: 55545852
Conc: 409.30 ng/ml



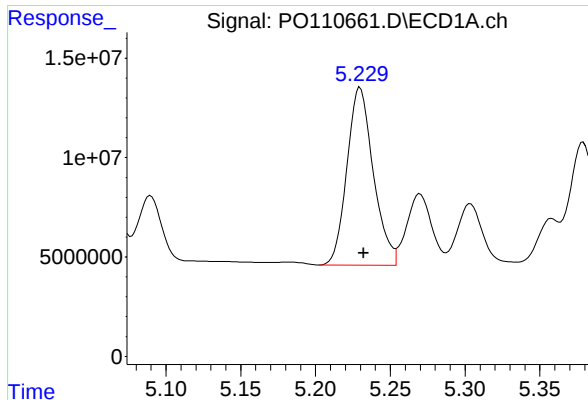
#6 AR-1016-4

R.T.: 4.973 min
Delta R.T.: -0.002 min
Response: 107665350
Conc: 432.11 ng/ml



#6 AR-1016-4

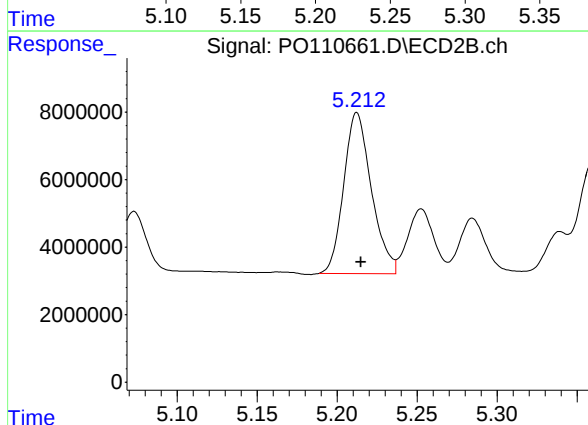
R.T.: 5.000 min
Delta R.T.: -0.002 min
Response: 44710265
Conc: 390.93 ng/ml



#7 AR-1016-5

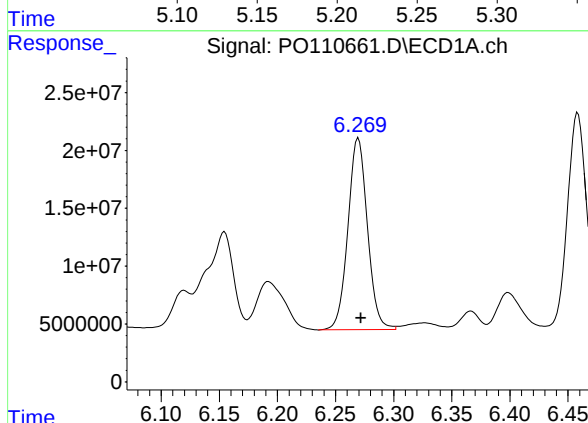
R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 109897109
Conc: 408.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MS



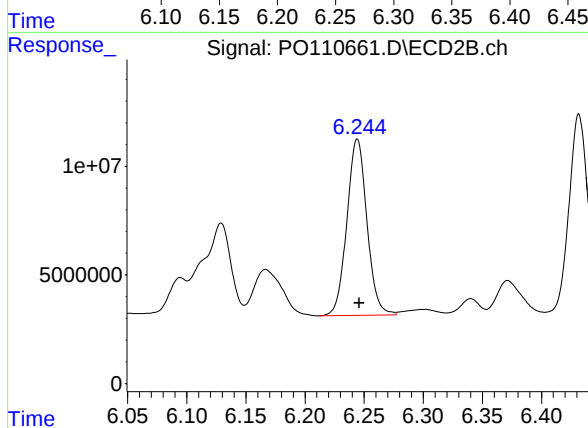
#7 AR-1016-5

R.T.: 5.212 min
Delta R.T.: -0.003 min
Response: 57628750
Conc: 386.58 ng/ml



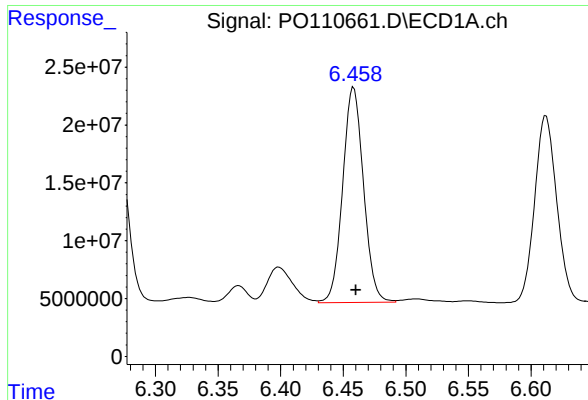
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.002 min
Response: 192214512
Conc: 406.85 ng/ml



#31 AR-1260-1

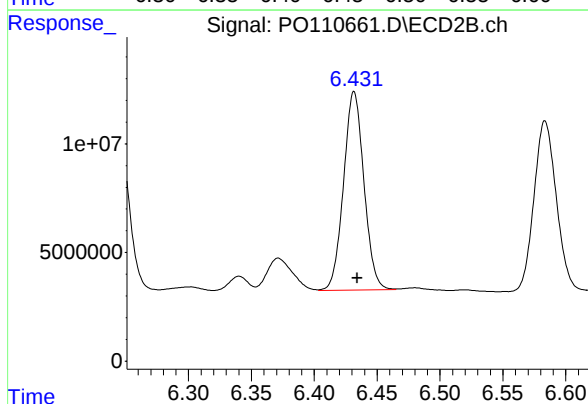
R.T.: 6.244 min
Delta R.T.: -0.002 min
Response: 96089438
Conc: 390.67 ng/ml



#32 AR-1260-2

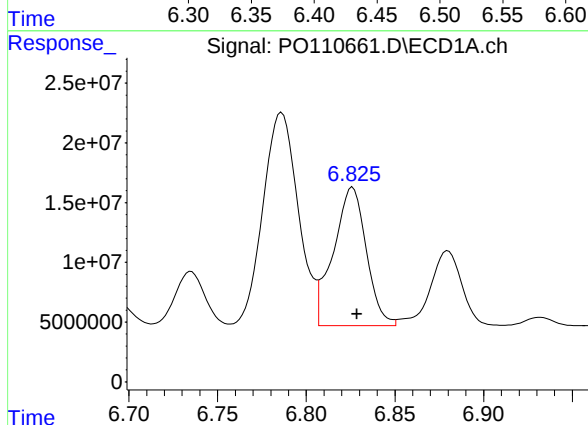
R.T.: 6.458 min
Delta R.T.: -0.002 min
Response: 215931839
Conc: 368.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MS



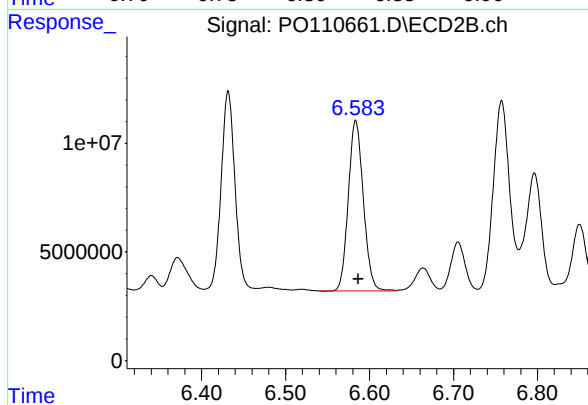
#32 AR-1260-2

R.T.: 6.432 min
Delta R.T.: -0.002 min
Response: 103284595
Conc: 354.02 ng/ml



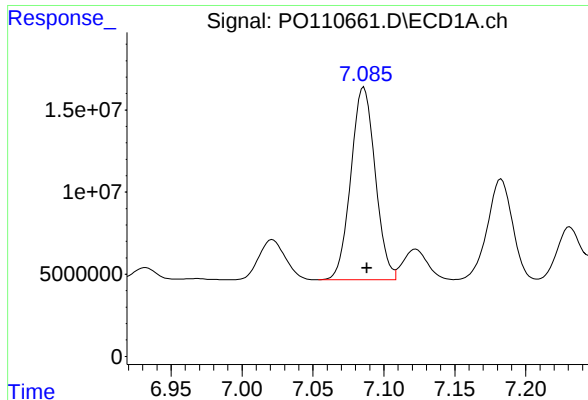
#33 AR-1260-3

R.T.: 6.826 min
Delta R.T.: -0.002 min
Response: 150024961
Conc: 304.39 ng/ml



#33 AR-1260-3

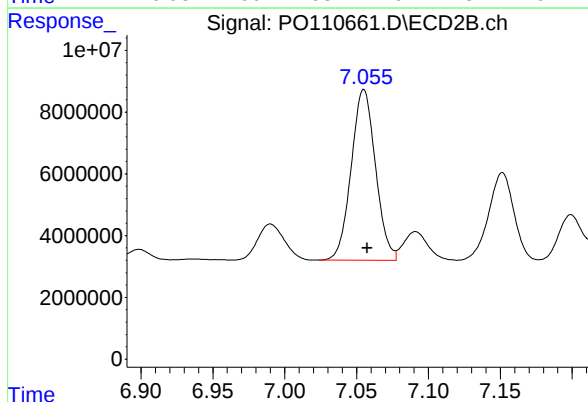
R.T.: 6.584 min
Delta R.T.: -0.003 min
Response: 97493953
Conc: 359.91 ng/ml



#34 AR-1260-4

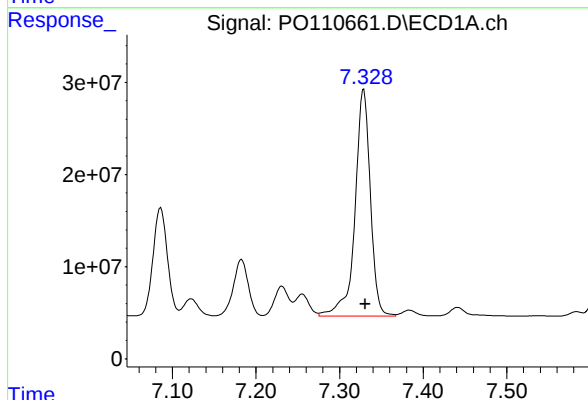
R.T.: 7.086 min
Delta R.T.: -0.002 min
Response: 139915329
Conc: 329.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MS



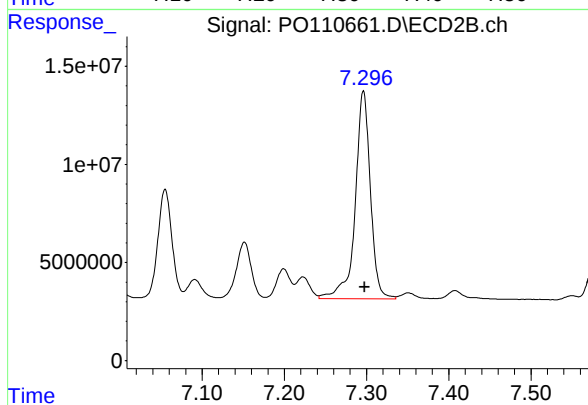
#34 AR-1260-4

R.T.: 7.055 min
Delta R.T.: -0.002 min
Response: 65091130
Conc: 324.42 ng/ml



#35 AR-1260-5

R.T.: 7.329 min
Delta R.T.: -0.002 min
Response: 314545999
Conc: 301.44 ng/ml



#35 AR-1260-5

R.T.: 7.296 min
Delta R.T.: -0.001 min
Response: 135894621
Conc: 296.16 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-1MSD	SDG No.:	Q1858
Lab Sample ID:	Q1859-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	79.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110662.D	1	04/23/25 08:35	04/23/25 19:57	PB167708

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	191		5.00	21.3	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.3	ug/kg
11096-82-5	Aroclor-1260	154		4.00	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.2		32 - 175	71%	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\P0042325\
 Data File : PO110662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 19:57
 Operator : YP/AJ
 Sample : Q1859-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 COMP-1MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 22:16:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.687	3.684	170.4E6	91185546	19.476	18.274
2) SA Decachlor...	8.728	8.681	99734416	27252754	12.633	14.157
Target Compounds						
3) L1 AR-1016-1	4.777	4.763	153.2E6	80894265	466.899	460.911
4) L1 AR-1016-2	4.796	4.782	212.1E6	112.8E6	466.216	448.509
5) L1 AR-1016-3	4.853	4.958	146.3E6	60209160	453.725	443.657
6) L1 AR-1016-4	4.973	5.000	115.7E6	48357885	464.504	422.828
7) L1 AR-1016-5	5.230	5.212	117.6E6	62036959	437.040	416.149
31) L7 AR-1260-1	6.270	6.244	205.7E6	102.5E6	435.289	416.579
32) L7 AR-1260-2	6.459	6.431	230.7E6	110.5E6	393.414	378.861
33) L7 AR-1260-3	6.826	6.584	158.9E6	104.2E6	322.383	384.844
34) L7 AR-1260-4	7.086	7.055	150.7E6	69987649	355.115	348.822
35) L7 AR-1260-5	7.329	7.296	333.3E6	144.6E6	319.417	315.128

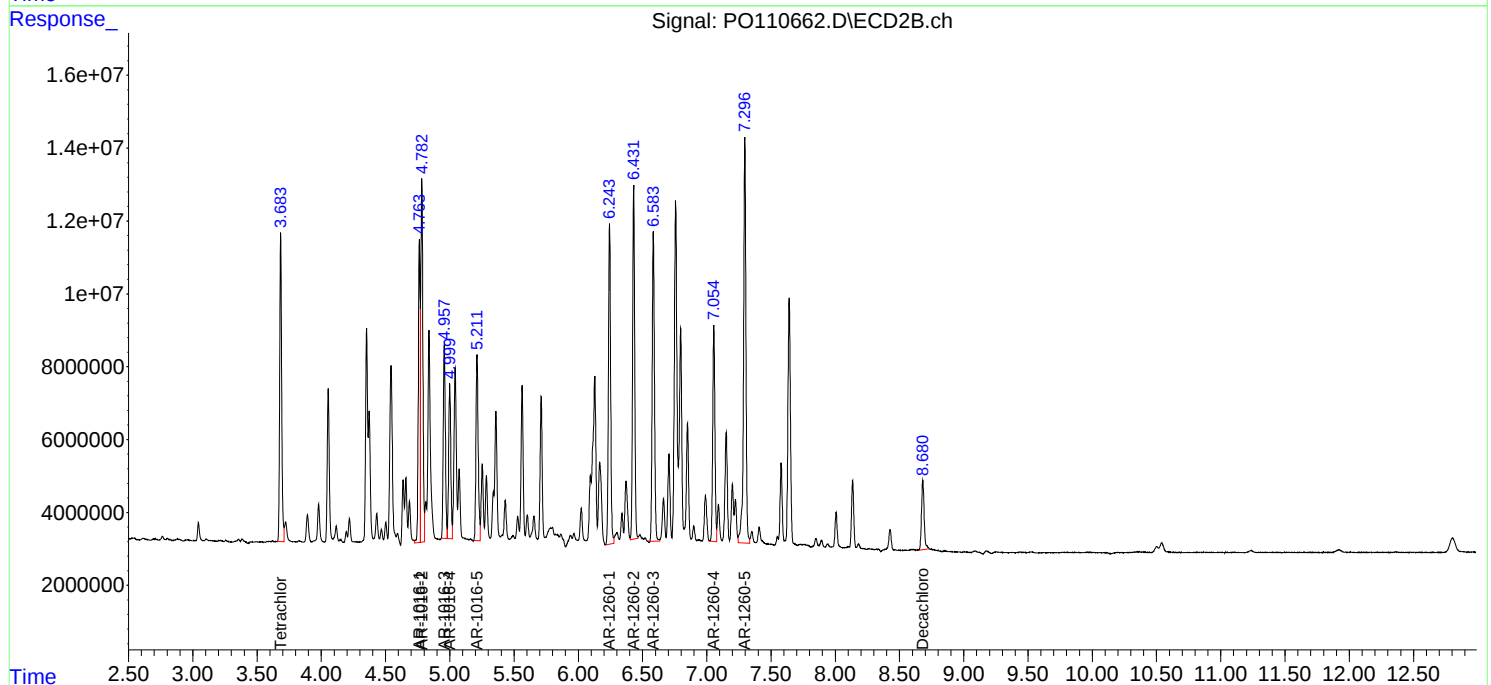
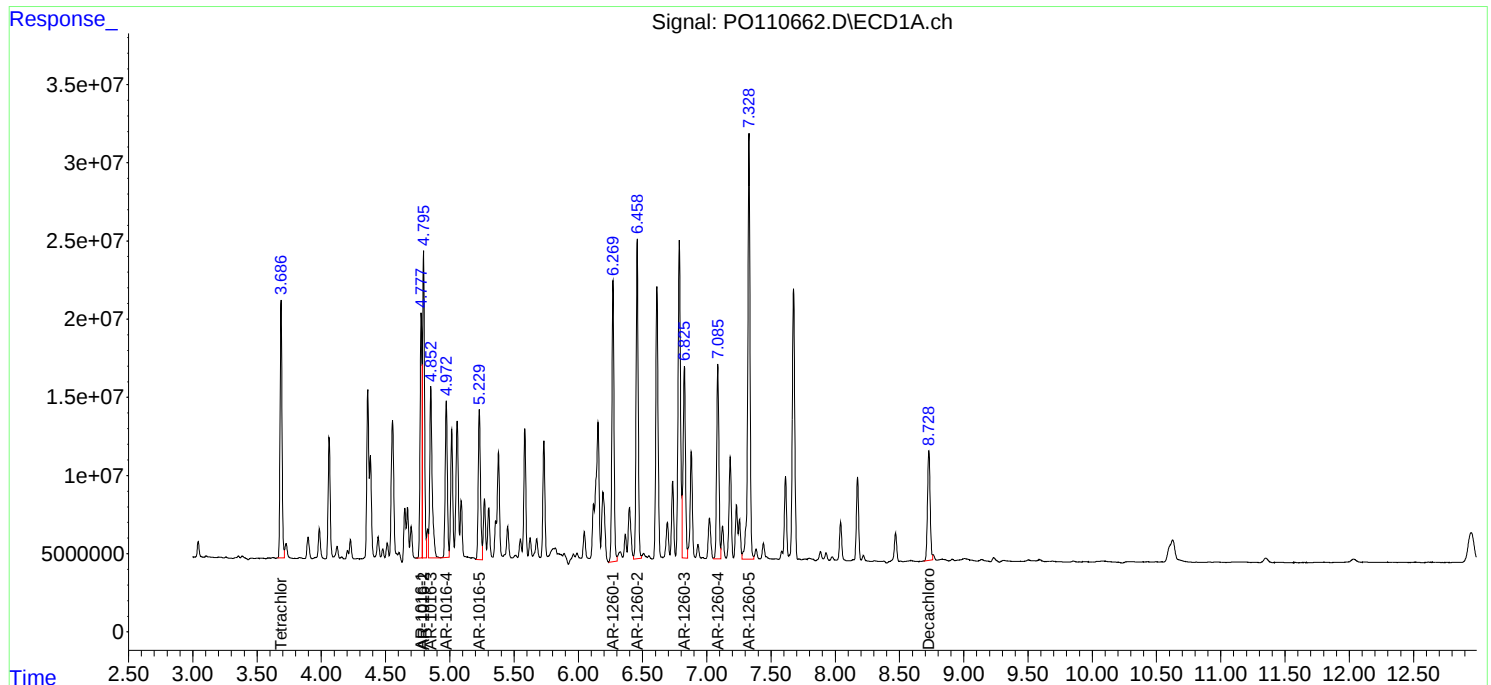
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

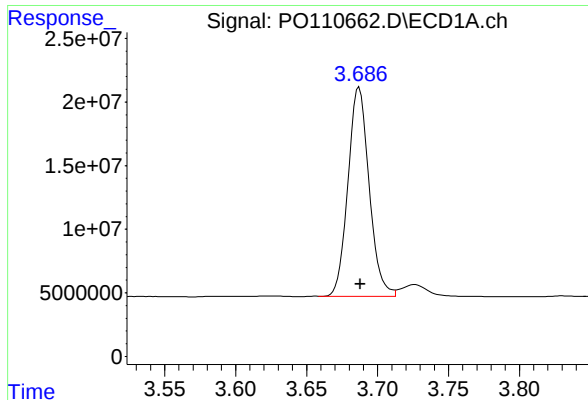
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042325\
Data File : PO110662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 19:57
Operator : YP/AJ
Sample : Q1859-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
COMP-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 22:16:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : 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

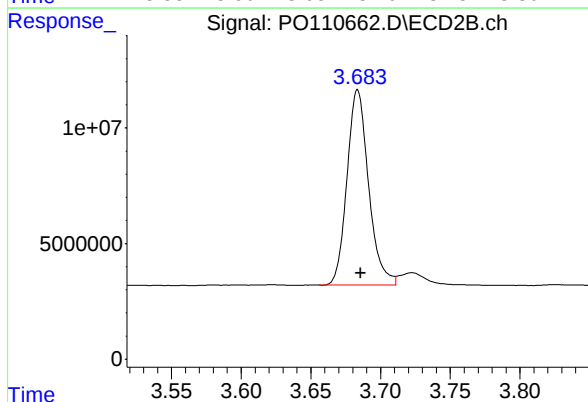




#1 Tetrachloro-m-xylene

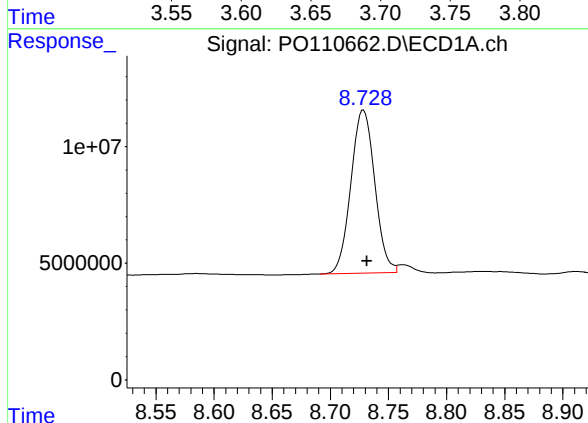
R.T.: 3.687 min
Delta R.T.: 0.000 min
Response: 170394259
Conc: 19.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MSD



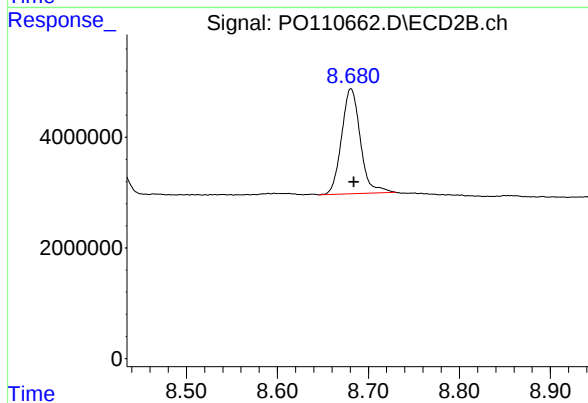
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.002 min
Response: 91185546
Conc: 18.27 ng/ml



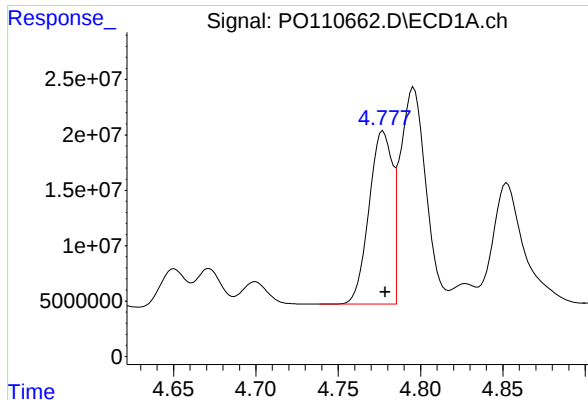
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: -0.003 min
Response: 99734416
Conc: 12.63 ng/ml



#2 Decachlorobiphenyl

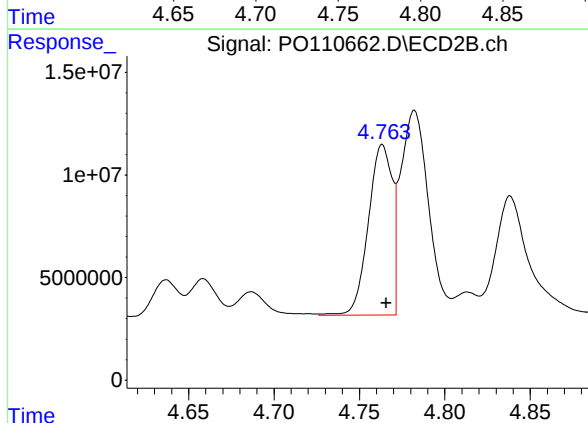
R.T.: 8.681 min
Delta R.T.: -0.003 min
Response: 27252754
Conc: 14.16 ng/ml



#3 AR-1016-1

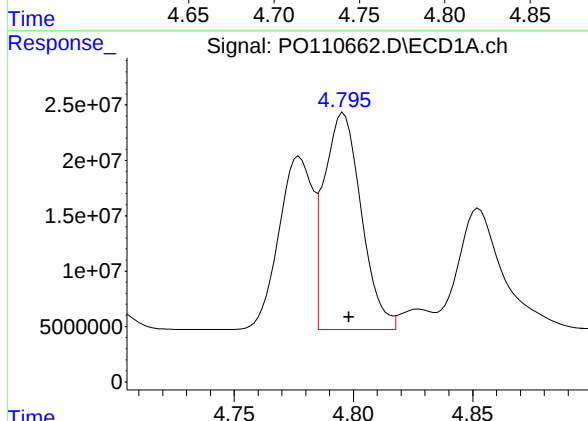
R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 153209958
Conc: 466.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MSD



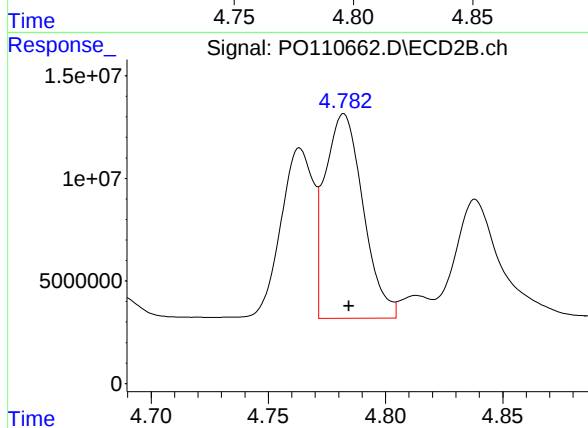
#3 AR-1016-1

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 80894265
Conc: 460.91 ng/ml



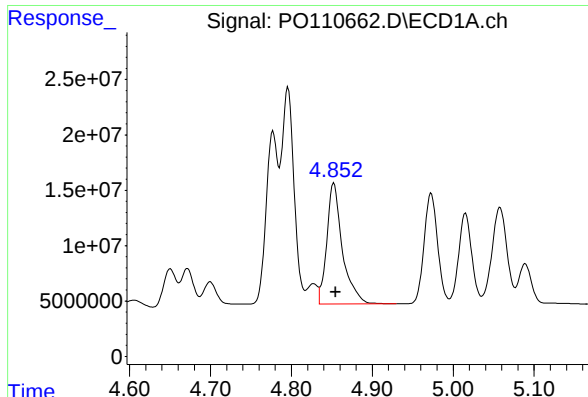
#4 AR-1016-2

R.T.: 4.796 min
Delta R.T.: -0.002 min
Response: 212104244
Conc: 466.22 ng/ml



#4 AR-1016-2

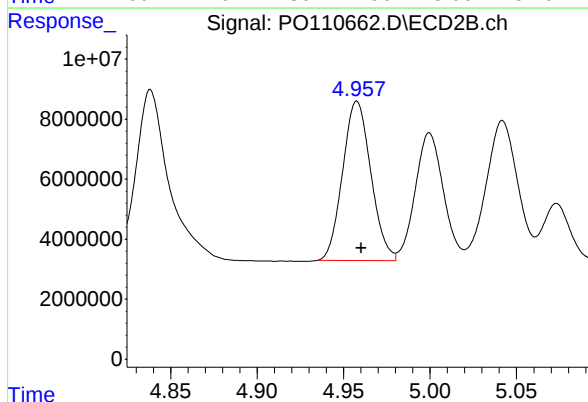
R.T.: 4.782 min
Delta R.T.: -0.002 min
Response: 112784393
Conc: 448.51 ng/ml



#5 AR-1016-3

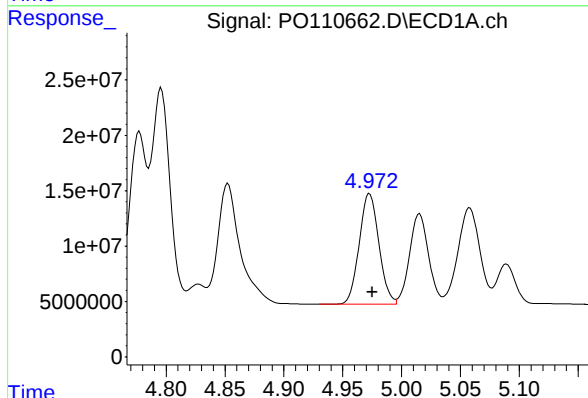
R.T.: 4.853 min
Delta R.T.: -0.002 min
Response: 146338679
Conc: 453.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MSD



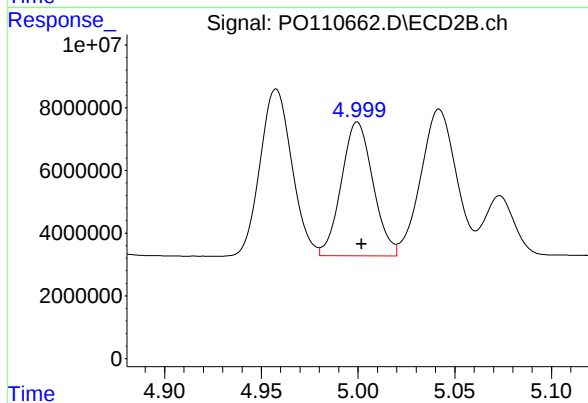
#5 AR-1016-3

R.T.: 4.958 min
Delta R.T.: -0.003 min
Response: 60209160
Conc: 443.66 ng/ml



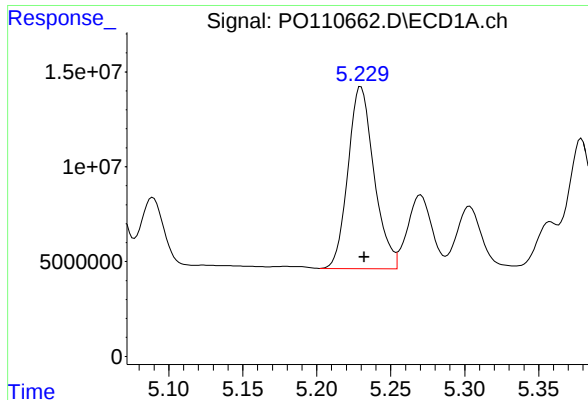
#6 AR-1016-4

R.T.: 4.973 min
Delta R.T.: -0.002 min
Response: 115737942
Conc: 464.50 ng/ml



#6 AR-1016-4

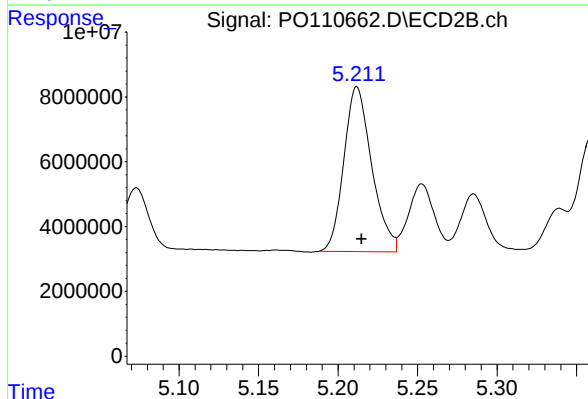
R.T.: 5.000 min
Delta R.T.: -0.002 min
Response: 48357885
Conc: 422.83 ng/ml



#7 AR-1016-5

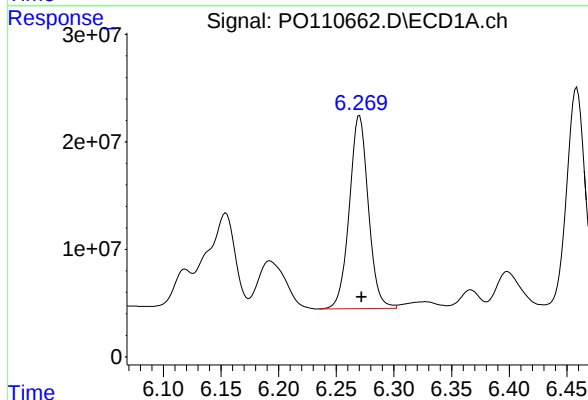
R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 117568757
Conc: 437.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MSD



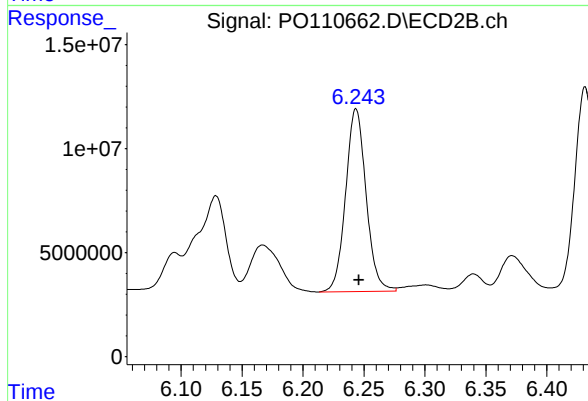
#7 AR-1016-5

R.T.: 5.212 min
Delta R.T.: -0.003 min
Response: 62036959
Conc: 416.15 ng/ml



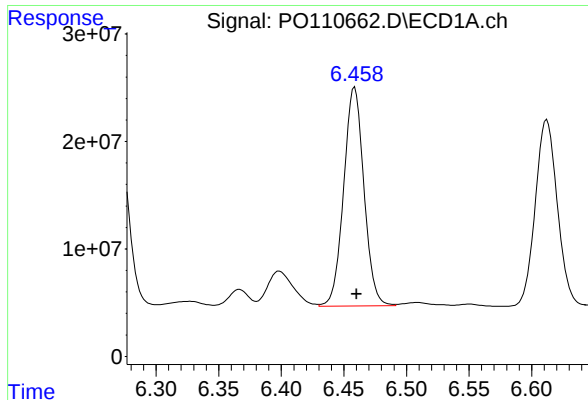
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.002 min
Response: 205650067
Conc: 435.29 ng/ml



#31 AR-1260-1

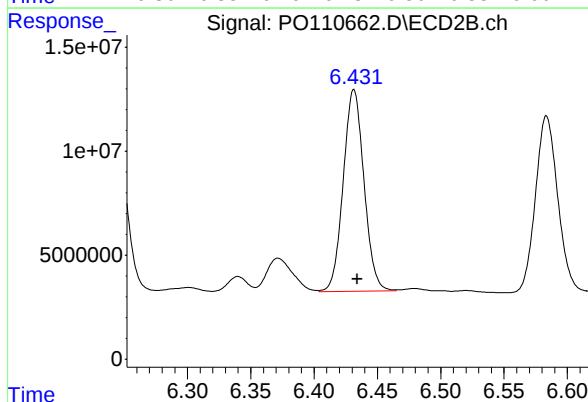
R.T.: 6.244 min
Delta R.T.: -0.002 min
Response: 102463265
Conc: 416.58 ng/ml



#32 AR-1260-2

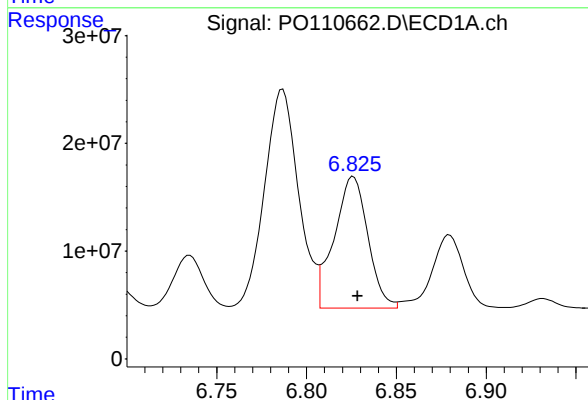
R.T.: 6.459 min
Delta R.T.: -0.002 min
Response: 230707730
Conc: 393.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MSD



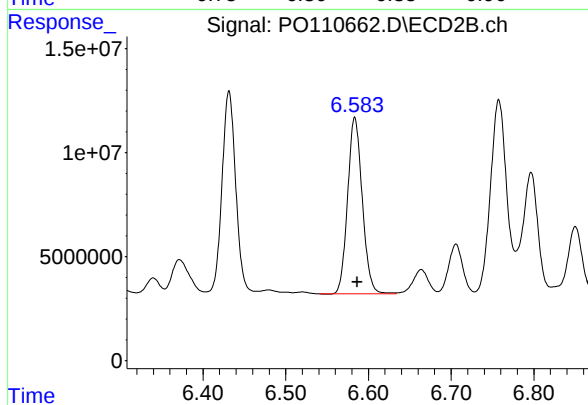
#32 AR-1260-2

R.T.: 6.431 min
Delta R.T.: -0.003 min
Response: 110533069
Conc: 378.86 ng/ml



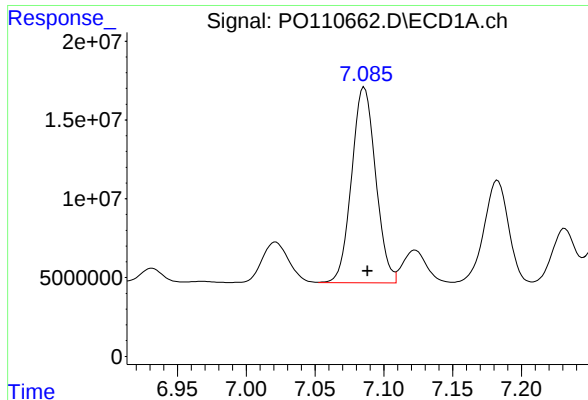
#33 AR-1260-3

R.T.: 6.826 min
Delta R.T.: -0.002 min
Response: 158893640
Conc: 322.38 ng/ml



#33 AR-1260-3

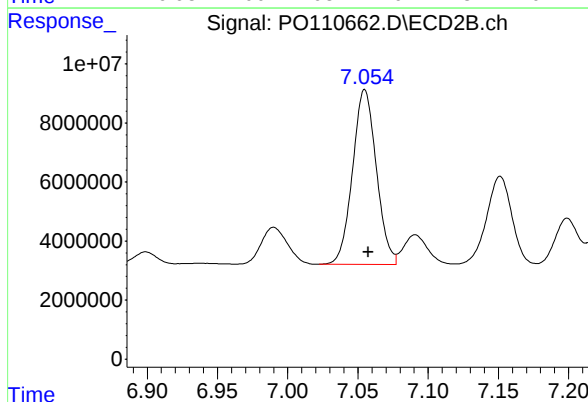
R.T.: 6.584 min
Delta R.T.: -0.003 min
Response: 104248219
Conc: 384.84 ng/ml



#34 AR-1260-4

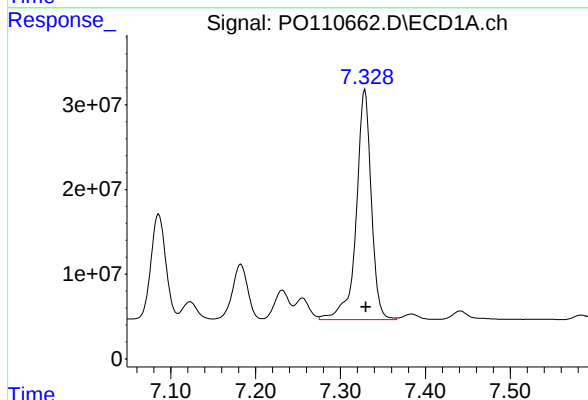
R.T.: 7.086 min
Delta R.T.: -0.002 min
Response: 150718920
Conc: 355.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
COMP-1MSD



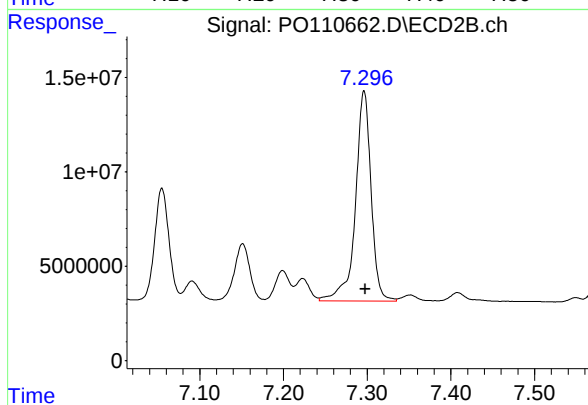
#34 AR-1260-4

R.T.: 7.055 min
Delta R.T.: -0.003 min
Response: 69987649
Conc: 348.82 ng/ml



#35 AR-1260-5

R.T.: 7.329 min
Delta R.T.: -0.002 min
Response: 333302454
Conc: 319.42 ng/ml



#35 AR-1260-5

R.T.: 7.296 min
Delta R.T.: -0.001 min
Response: 144599112
Conc: 315.13 ng/ml



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

Manual Integration Report

Sequence:

PO041025

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

PO042325

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO110638.D	AR-1016-5	yogesh	4/24/2025 7:47:04 AM	 	 	Peak Integrated by Software
AR1660CCC500	PO110652.D	AR-1016-5	yogesh	4/24/2025 7:47:08 AM	 	 	Peak Integrated by Software
AR1660CCC500	PO110652.D	AR-1016-5 #2	yogesh	4/24/2025 7:47:08 AM	 	 	Peak Integrated by Software
AR1660CCC500	PO110667.D	AR-1016-5	yogesh	4/24/2025 7:47:10 AM	 	 	Peak Integrated by Software
AR1660CCC500	PO110667.D	AR-1016-5 #2	yogesh	4/24/2025 7:47:10 AM	 	 	Peak Integrated by Software
AR1248CCC500	PO110669.D	AR-1248-3	yogesh	4/24/2025 7:47:11 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110347.D	10 Apr 2025 08:59	YP/AJ	Ok
2	I.BLK	PO110348.D	10 Apr 2025 09:17	YP/AJ	Ok
3	AR1660ICC1000	PO110349.D	10 Apr 2025 09:36	YP/AJ	Ok
4	AR1660ICC750	PO110350.D	10 Apr 2025 09:54	YP/AJ	Ok
5	AR1660ICC500	PO110351.D	10 Apr 2025 10:13	YP/AJ	Ok
6	AR1660ICC250	PO110352.D	10 Apr 2025 10:31	YP/AJ	Ok
7	AR1660ICC050	PO110353.D	10 Apr 2025 10:49	YP/AJ	Ok
8	AR1221ICC500	PO110354.D	10 Apr 2025 11:08	YP/AJ	Ok
9	AR1232ICC500	PO110355.D	10 Apr 2025 11:26	YP/AJ	Ok
10	AR1242ICC1000	PO110356.D	10 Apr 2025 11:44	YP/AJ	Ok
11	AR1242ICC750	PO110357.D	10 Apr 2025 12:03	YP/AJ	Ok
12	AR1242ICC500	PO110358.D	10 Apr 2025 12:21	YP/AJ	Ok
13	AR1242ICC250	PO110359.D	10 Apr 2025 12:39	YP/AJ	Ok
14	AR1242ICC050	PO110360.D	10 Apr 2025 12:58	YP/AJ	Ok
15	AR1248ICC1000	PO110361.D	10 Apr 2025 13:16	YP/AJ	Ok
16	AR1248ICC750	PO110362.D	10 Apr 2025 13:35	YP/AJ	Ok
17	AR1248ICC500	PO110363.D	10 Apr 2025 13:53	YP/AJ	Ok
18	AR1248ICC250	PO110364.D	10 Apr 2025 14:11	YP/AJ	Ok
19	AR1248ICC050	PO110365.D	10 Apr 2025 14:30	YP/AJ	Ok
20	AR1254ICC1000	PO110366.D	10 Apr 2025 14:48	YP/AJ	Ok
21	AR1254ICC750	PO110367.D	10 Apr 2025 15:06	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PO110368.D	10 Apr 2025 15:25	YP/AJ	Ok
23	AR1254ICC250	PO110369.D	10 Apr 2025 15:43	YP/AJ	Ok
24	AR1254ICC050	PO110370.D	10 Apr 2025 16:02	YP/AJ	Ok
25	AR1262ICC500	PO110371.D	10 Apr 2025 16:20	YP/AJ	Ok
26	AR1268ICC1000	PO110372.D	10 Apr 2025 16:38	YP/AJ	Ok
27	AR1268ICC750	PO110373.D	10 Apr 2025 16:57	YP/AJ	Ok
28	AR1268ICC500	PO110374.D	10 Apr 2025 17:15	YP/AJ	Ok
29	AR1268ICC250	PO110375.D	10 Apr 2025 17:33	YP/AJ	Ok
30	AR1268ICC050	PO110376.D	10 Apr 2025 17:52	YP/AJ	Ok
31	PO041025ICV500	PO110377.D	10 Apr 2025 18:09	YP/AJ	Ok
32	AR1242ICV500	PO110378.D	10 Apr 2025 18:46	YP/AJ	Ok
33	AR1248ICV500	PO110379.D	10 Apr 2025 19:22	YP/AJ	Ok
34	AR1254ICV500	PO110380.D	10 Apr 2025 19:58	YP/AJ	Ok
35	AR1268ICV500	PO110381.D	10 Apr 2025 20:35	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042325

Review By	yogesh	Review On	4/23/2025 11:03:42 AM
Supervise By		Supervise On	
SubDirectory	PO042325	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110637.D	23 Apr 2025 08:25	YP/AJ	Ok
2	AR1660CCC500	PO110638.D	23 Apr 2025 08:44	YP/AJ	Ok,NS
3	AR1242CCC500	PO110639.D	23 Apr 2025 09:05	YP/AJ	Ok
4	AR1248CCC500	PO110640.D	23 Apr 2025 09:23	YP/AJ	Ok
5	AR1254CCC500	PO110641.D	23 Apr 2025 09:42	YP/AJ	Ok
6	I.BLK	PO110642.D	23 Apr 2025 10:00	YP/AJ	Ok
7	Q1847-01	PO110643.D	23 Apr 2025 10:18	YP/AJ	Ok,NS
8	PB167708BL	PO110644.D	23 Apr 2025 12:31	YP/AJ	Ok
9	PB167708BS	PO110645.D	23 Apr 2025 12:49	YP/AJ	Ok
10	Q1852-01	PO110646.D	23 Apr 2025 13:07	YP/AJ	Ok
11	Q1852-03	PO110647.D	23 Apr 2025 13:25	YP/AJ	Ok
12	Q1852-05	PO110648.D	23 Apr 2025 13:43	YP/AJ	Ok
13	Q1852-07	PO110649.D	23 Apr 2025 14:01	YP/AJ	Ok,NS
14	Q1853-01	PO110650.D	23 Apr 2025 14:20	YP/AJ	Ok
15	Q1854-01	PO110651.D	23 Apr 2025 14:38	YP/AJ	Ok
16	AR1660CCC500	PO110652.D	23 Apr 2025 16:20	YP/AJ	Ok,NS
17	AR1242CCC500	PO110653.D	23 Apr 2025 17:14	YP/AJ	Ok
18	AR1248CCC500	PO110654.D	23 Apr 2025 17:32	YP/AJ	Ok
19	AR1254CCC500	PO110655.D	23 Apr 2025 17:49	YP/AJ	Ok
20	I.BLK	PO110656.D	23 Apr 2025 18:08	YP/AJ	Ok
21	Q1858-01	PO110657.D	23 Apr 2025 18:26	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042325

Review By	yogesh	Review On	4/23/2025 11:03:42 AM
Supervise By		Supervise On	
SubDirectory	PO042325	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1858-02	PO110658.D	23 Apr 2025 18:44	YP/AJ	Ok
23	Q1858-03	PO110659.D	23 Apr 2025 19:02	YP/AJ	Ok
24	Q1859-01	PO110660.D	23 Apr 2025 19:20	YP/AJ	Ok
25	Q1859-01MS	PO110661.D	23 Apr 2025 19:38	YP/AJ	Ok
26	Q1859-01MSD	PO110662.D	23 Apr 2025 19:57	YP/AJ	Ok
27	Q1859-02	PO110663.D	23 Apr 2025 20:14	YP/AJ	Ok
28	Q1859-03	PO110664.D	23 Apr 2025 20:32	YP/AJ	Ok
29	Q1855-03	PO110665.D	23 Apr 2025 20:51	YP/AJ	Ok
30	Q1855-05	PO110666.D	23 Apr 2025 21:09	YP/AJ	Ok
31	AR1660CCC500	PO110667.D	23 Apr 2025 22:50	YP/AJ	Ok,NS
32	AR1242CCC500	PO110668.D	23 Apr 2025 23:45	YP/AJ	Ok
33	AR1248CCC500	PO110669.D	24 Apr 2025 00:03	YP/AJ	Ok,NS
34	AR1254CCC500	PO110670.D	24 Apr 2025 00:21	YP/AJ	Ok
35	I.BLK	PO110671.D	24 Apr 2025 00:39	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110347.D	10 Apr 2025 08:59		YP/AJ	Ok
2	I.BLK	I.BLK	PO110348.D	10 Apr 2025 09:17		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO110349.D	10 Apr 2025 09:36		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO110350.D	10 Apr 2025 09:54		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO110351.D	10 Apr 2025 10:13		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO110352.D	10 Apr 2025 10:31		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO110353.D	10 Apr 2025 10:49		YP/AJ	Ok
8	AR1221ICC500	AR1221ICC500	PO110354.D	10 Apr 2025 11:08		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO110355.D	10 Apr 2025 11:26		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO110356.D	10 Apr 2025 11:44		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO110357.D	10 Apr 2025 12:03		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO110358.D	10 Apr 2025 12:21		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO110359.D	10 Apr 2025 12:39		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO110360.D	10 Apr 2025 12:58		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO110361.D	10 Apr 2025 13:16		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO110362.D	10 Apr 2025 13:35		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO110363.D	10 Apr 2025 13:53		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO110364.D	10 Apr 2025 14:11		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PO110365.D	10 Apr 2025 14:30		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO110366.D	10 Apr 2025 14:48		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO110367.D	10 Apr 2025 15:06		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO110368.D	10 Apr 2025 15:25		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO110369.D	10 Apr 2025 15:43		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO110370.D	10 Apr 2025 16:02		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO110371.D	10 Apr 2025 16:20		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO110372.D	10 Apr 2025 16:38		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO110373.D	10 Apr 2025 16:57		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO110374.D	10 Apr 2025 17:15		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO110375.D	10 Apr 2025 17:33		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO110376.D	10 Apr 2025 17:52		YP/AJ	Ok
31	PO041025ICV500	ICVPO041025	PO110377.D	10 Apr 2025 18:09		YP/AJ	Ok
32	AR1242ICV500	ICVPO041025AR1242	PO110378.D	10 Apr 2025 18:46		YP/AJ	Ok
33	AR1248ICV500	ICVPO041025AR1248	PO110379.D	10 Apr 2025 19:22		YP/AJ	Ok
34	AR1254ICV500	ICVPO041025AR1254	PO110380.D	10 Apr 2025 19:58		YP/AJ	Ok
35	AR1268ICV500	ICVPO041025AR1268	PO110381.D	10 Apr 2025 20:35		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042325

Review By	yogesh	Review On	4/23/2025 11:03:42 AM
Supervise By		Supervise On	
SubDirectory	PO042325	HP Acquire Method	HP Processing Method PO041025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110637.D	23 Apr 2025 08:25		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO110638.D	23 Apr 2025 08:44		YP/AJ	Ok,NS
3	AR1242CCC500	AR1242CCC500	PO110639.D	23 Apr 2025 09:05		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO110640.D	23 Apr 2025 09:23		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO110641.D	23 Apr 2025 09:42		YP/AJ	Ok
6	I.BLK	I.BLK	PO110642.D	23 Apr 2025 10:00		YP/AJ	Ok
7	Q1847-01	MOO-25-0121	PO110643.D	23 Apr 2025 10:18		YP/AJ	Ok,NS
8	PB167708BL	PB167708BL	PO110644.D	23 Apr 2025 12:31		YP/AJ	Ok
9	PB167708BS	PB167708BS	PO110645.D	23 Apr 2025 12:49		YP/AJ	Ok
10	Q1852-01	ETGI-354	PO110646.D	23 Apr 2025 13:07		YP/AJ	Ok
11	Q1852-03	72-11977	PO110647.D	23 Apr 2025 13:25	AR1254 Hit	YP/AJ	Ok
12	Q1852-05	ETGI-278	PO110648.D	23 Apr 2025 13:43	AR1254 Hit	YP/AJ	Ok
13	Q1852-07	72-12013	PO110649.D	23 Apr 2025 14:01	AR1254 Hit	YP/AJ	Ok,NS
14	Q1853-01	EO-02-04222025	PO110650.D	23 Apr 2025 14:20		YP/AJ	Ok
15	Q1854-01	NB-08-04222025	PO110651.D	23 Apr 2025 14:38		YP/AJ	Ok
16	AR1660CCC500	AR1660CCC500	PO110652.D	23 Apr 2025 16:20		YP/AJ	Ok,NS
17	AR1242CCC500	AR1242CCC500	PO110653.D	23 Apr 2025 17:14		YP/AJ	Ok
18	AR1248CCC500	AR1248CCC500	PO110654.D	23 Apr 2025 17:32		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042325

Review By	yogesh	Review On	4/23/2025 11:03:42 AM
Supervise By		Supervise On	
SubDirectory	PO042325	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1254CCC500	AR1254CCC500	PO110655.D	23 Apr 2025 17:49		YP/AJ	Ok
20	I.BLK	I.BLK	PO110656.D	23 Apr 2025 18:08		YP/AJ	Ok
21	Q1858-01	COMP-1	PO110657.D	23 Apr 2025 18:26		YP/AJ	Ok
22	Q1858-02	COMP-2	PO110658.D	23 Apr 2025 18:44		YP/AJ	Ok
23	Q1858-03	COMP-3	PO110659.D	23 Apr 2025 19:02		YP/AJ	Ok
24	Q1859-01	COMP-1	PO110660.D	23 Apr 2025 19:20		YP/AJ	Ok
25	Q1859-01MS	COMP-1MS	PO110661.D	23 Apr 2025 19:38		YP/AJ	Ok
26	Q1859-01MSD	COMP-1MSD	PO110662.D	23 Apr 2025 19:57		YP/AJ	Ok
27	Q1859-02	COMP-2	PO110663.D	23 Apr 2025 20:14		YP/AJ	Ok
28	Q1859-03	COMP-3	PO110664.D	23 Apr 2025 20:32		YP/AJ	Ok
29	Q1855-03	2001-2002	PO110665.D	23 Apr 2025 20:51	AR1242 Hit	YP/AJ	Ok
30	Q1855-05	60444	PO110666.D	23 Apr 2025 21:09		YP/AJ	Ok
31	AR1660CCC500	AR1660CCC500	PO110667.D	23 Apr 2025 22:50		YP/AJ	Ok,NS
32	AR1242CCC500	AR1242CCC500	PO110668.D	23 Apr 2025 23:45		YP/AJ	Ok
33	AR1248CCC500	AR1248CCC500	PO110669.D	24 Apr 2025 00:03		YP/AJ	Ok,NS
34	AR1254CCC500	AR1254CCC500	PO110670.D	24 Apr 2025 00:21		YP/AJ	Ok
35	I.BLK	I.BLK	PO110671.D	24 Apr 2025 00:39		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/23/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 04/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 04/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135521

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
Q1852-01	ETGI-354	19	1.15	10.26	11.41	10.64	92.5	
Q1852-03	72-11977	20	1.17	10.20	11.37	10.58	92.3	
Q1852-05	ETGI-278	21	1.18	10.36	11.54	10.66	91.5	
Q1852-07	72-12013	22	1.18	10.33	11.51	10.39	89.2	
Q1853-01	EO-02-04222025	23	1.15	9.77	10.92	9.75	88.0	
Q1853-02	EO-02-04222025-E2	24	1.16	9.97	11.13	9.66	85.3	
Q1854-01	NB-08-04222025	25	1.19	9.87	11.06	10.14	90.7	
Q1854-02	NB-08-04222025-E2	26	1.15	9.96	11.11	9.97	88.6	
Q1855-01	2001	1	1.15	10.43	11.58	11.55	99.7	
Q1855-03	2001-2002	2	1.16	9.59	10.75	10.61	98.5	
Q1855-05	60444	3	1.00	1.00	2.00	2.00	100.0	debris
Q1856-01	41825	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1857-01	HOPPER-042225-A	5	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-02	HOPPER-042225-B	6	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-03	02-9022-1-1	7	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-04	02-9022-1-2	8	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-05	BC274271-1-1	9	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-06	BC274271-1-2	10	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-07	BC274271-2-1	11	1.00	1.00	2.00	2.00	100.0	oilc
Q1857-08	BC274271-2-2	12	1.00	1.00	2.00	2.00	100.0	oilc
Q1858-01	COMP-1	13	1.14	9.97	11.11	9.5	83.9	
Q1858-02	COMP-2	14	1.19	10.59	11.78	9.8	81.3	
Q1858-03	COMP-3	15	1.12	9.87	10.99	10.11	91.1	
Q1859-01	COMP-1	16	1.13	10.43	11.56	9.43	79.6	
Q1859-02	COMP-2	17	1.15	10.35	11.5	9.76	83.2	
Q1859-03	COMP-3	18	1.18	10.16	11.34	9.88	85.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

205521

WorkList Name : %1-042225

WorkList ID : 189078

Department : Wet-Chemistry

Date : 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1852-01	ETGI-354	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-03	72-11977	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-05	ETGI-278	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-07	72-12013	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1853-01	EO-02-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1853-02	EO-02-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1854-01	NB-08-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1854-02	NB-08-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1855-01	2001	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1855-03	2001-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1855-05	60444	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1856-01	41825	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1857-01	HOPPER-042225-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-02	HOPPER-042225-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-03	02-9022-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-04	02-9022-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-05	BC274271-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-06	BC274271-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-07	BC274271-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-08	BC274271-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1858-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO

Date/Time 04/22/25 15:20

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 04/22/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135521

WorkList Name : %1-042225 WorkList ID : 189078 Department : Wet-Chemistry Date : 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1858-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1858-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1859-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO
Q1859-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO
Q1859-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO

Date/Time 04/22/25 15:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/22/25 17:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	04/23/2025
Matrix :	Solid	Extraction Start Time :	08:35
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Separatory Funnel	☐ Continious Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☒ Soxhlet
		Extraction End Date :	04/23/2025
		Extraction End Time :	11:35
		Concentration By:	EH
		Supervisor By :	RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24328
Surrogate	1.0ML	200 PPB	PP24460
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	EP2601
Baked Na2SO4	N/A	EP2604
Sand	N/A	E2865
Hexane	N/A	E3928
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 BTS723, Q1855-05 used Limited volume as sample is oily debris.

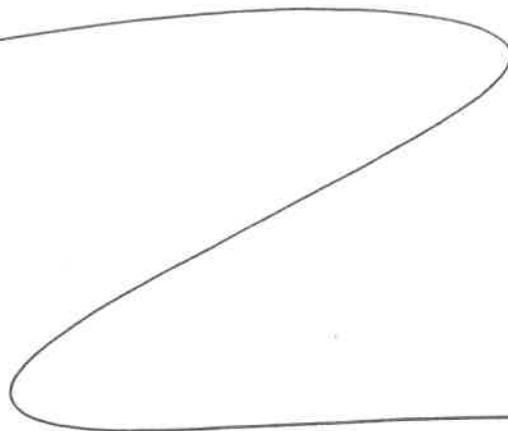
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/23/25	RS (Ext Lab)	Y-P. PEG+IPC
11:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/23/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167708BL	ABLK708	PCB	30.02	N/A	ritesh	Evelyn	10			U1-1
PB167708BS	ALCS708	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q1852-01	ETGI-354	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q1852-03	72-11977	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q1852-05	ETGI-278	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
Q1852-07	72-12013	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
Q1853-01	EO-02-04222025	PCB	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q1854-01	NB-08-04222025	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q1855-03	2001-2002	PCB	30.03	N/A	ritesh	Evelyn	10	B		3
Q1855-05	60444	PCB	5.02	N/A	ritesh	Evelyn	10	B	Oily Debris	4
Q1858-01	COMP-1	PCB Group1	30.04	N/A	ritesh	Evelyn	10	E		5
Q1858-02	COMP-2	PCB Group1	30.05	N/A	ritesh	Evelyn	10	F		6
Q1858-03	COMP-3	PCB Group1	30.09	N/A	ritesh	Evelyn	10	E		U3-1
Q1859-01	COMP-1	PCB Group1	30.07	N/A	ritesh	Evelyn	10	E		2
Q1859-01MS	COMP-1MS	PCB Group1	30.03	N/A	ritesh	Evelyn	10	E		3
Q1859-01MS D	COMP-1MSD	PCB Group1	30.06	N/A	ritesh	Evelyn	10	E		4
Q1859-02	COMP-2	PCB Group1	30.02	N/A	ritesh	Evelyn	10	E		5
Q1859-03	COMP-3	PCB Group1	30.06	N/A	ritesh	Evelyn	10	E		6



RS
4/23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1855 WorkList ID : 189092 Department : Extraction Date : 04-23-2025 08:30:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1852-01	ETGI-354	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/22/2025	8082A
Q1852-03	72-11977	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/22/2025	8082A
Q1852-05	ETGI-278	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/22/2025	8082A
Q1852-07	72-12013	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/22/2025	8082A
Q1853-01	EO-02-04222025	Solid	PCB	Cool 4 deg C	PSEG05	L41	04/22/2025	8082A
Q1854-01	NB-08-04222025	Solid	PCB	Cool 4 deg C	PSEG05	L31	04/22/2025	8082A
Q1855-03	2001-2002	Solid	PCB	Cool 4 deg C	PSEG03	L51	04/22/2025	8082A
Q1855-05	60444	Solid	PCB	Cool 4 deg C	PSEG03	L51	04/22/2025	8082A
Q1858-01	COMP-1	Solid	PCB Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8082A
Q1858-02	COMP-2	Solid	PCB Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8082A
Q1858-03	COMP-3	Solid	PCB Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8082A
Q1859-01	COMP-1	Solid	PCB Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8082A
Q1859-02	COMP-2	Solid	PCB Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8082A
Q1859-03	COMP-3	Solid	PCB Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8082A

Date/Time 04/23/25 8:30
 Raw Sample Received by: RJ (ETI-026)
 Raw Sample Relinquished by: JD (SM)

Date/Time 04/23/25 9:00
 Raw Sample Received by: JD (SM)
 Raw Sample Relinquished by: RJ (ETI-026)

Prep Standard - Chemical Standard Summary

Order ID : Q1858

Test : PCB Group1

Prepbatch ID : PB167708,

Sequence ID/Qc Batch ID: PO042325,

Standard ID :

EP2565,EP2601,EP2604,PP24328,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24460,

Chemical ID :

E2865,E3551,E3804,E3876,E3877,E3916,E3917,E3928,M5173,P 11522,P12699,P12702,P12931,P12936,P12948,P12949,P12957,P13355,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W 3112,W3177,

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	EP2601	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel 04/07/2025

FROM 8000.00000ml of E3916 + 8000.00000ml of E3917 = 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	EP2604	04/16/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/16/2025
<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>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24328	03/17/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel
<u>FROM</u> 0.50000ml of P12948 + 99.50000ml of E3876 = Final Quantity: 100.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP24331	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP24332	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	PP24333	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP24334	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24332 = 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>
213	AR1221 1000 PPB WORKING SOLUTION	PP24335	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	PP24336	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP24337	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	PP24338	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP24339	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24337 = 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>
214	AR1232 1000 PPB WORKING SOLUTION	PP24340	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP24341	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP24342	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	PP24343	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP24344	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24342 = 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>
215	AR1242 1000 PPB WORKING STD	PP24345	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	PP24346	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP24347	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	PP24348	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP24349	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24347 = 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>
216	AR1248 1000 PPB WORKING STD	PP24350	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP24351	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP24352	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	PP24353	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP24354	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24352 = 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>
217	AR1254 1000 PPB WORKING STD	PP24355	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	PP24356	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP24357	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	PP24358	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP24359	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24357 = 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>
1529	AR1262 1000 PPB Working Solution	PP24360	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP24361	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP24362	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	PP24363	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP24364	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24362 = 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>
1532	AR1268 1000 PPB Working Solution	PP24365	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	PP24366	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP24367	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	PP24368	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP24369	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24367 = 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>
404	AR1660 100 PPM Stock Solution 2nd Source	PP24370	03/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	PP24371	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = 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>
406	AR1660 500 PPB ICV	PP24372	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24371 = 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>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24373	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1886	AR1221 500 PPB ICV	PP24374	03/18/2025	08/12/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of E3877 + 0.50000ml of W3177 = 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>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24375	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	PP24376	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24375 = 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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24377	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP24378	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24377 = 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>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24379	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	PP24380	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24379 = 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>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP24381	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP24382	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	PP24384	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	PP24385	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24384 = 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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24386	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	PP24387	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24386 = 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>
465	200 PPB Pest/PCB Surrogate Spike	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel
<u>FROM</u> 1.00000ml of P13355 + 999.00000ml of E3917 = 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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 / Rajesh	02/12/2025 / Rajesh	E3876

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)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

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)	243570	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3916

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	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	10/22/2025	04/18/2025 / RUPESH	04/16/2025 / RUPESH	E3928

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 #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

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	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	08/27/2025	02/27/2025 / Ankita	12/20/2023 / Yogesh	P12948

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

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	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

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	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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

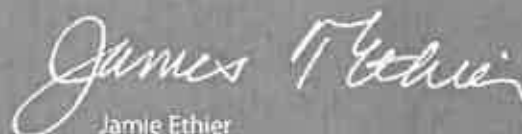
Certificate of Analysis

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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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
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd by RP on 3/31/25

E 3946

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.
 *Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors[™]**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3928



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 U.S.

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



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.

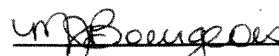
Expiration of Certification:

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 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

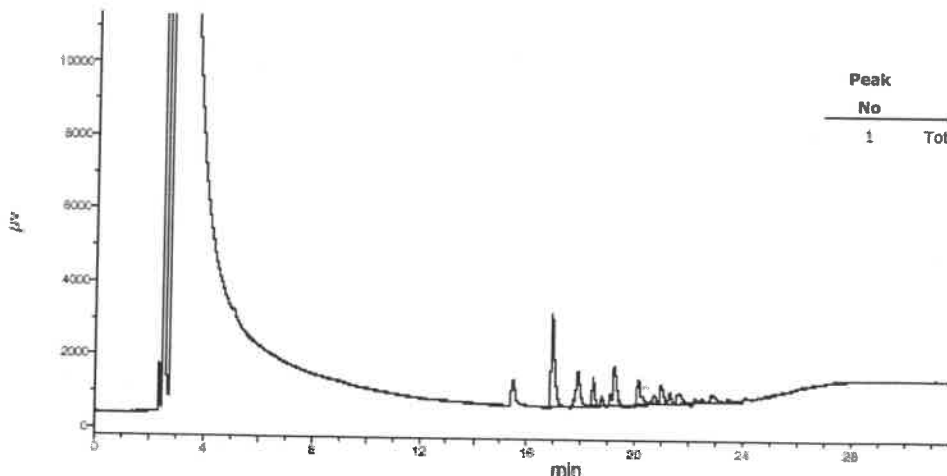
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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





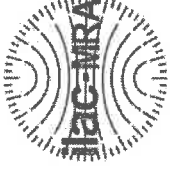
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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.: 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

12/27/23

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

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:

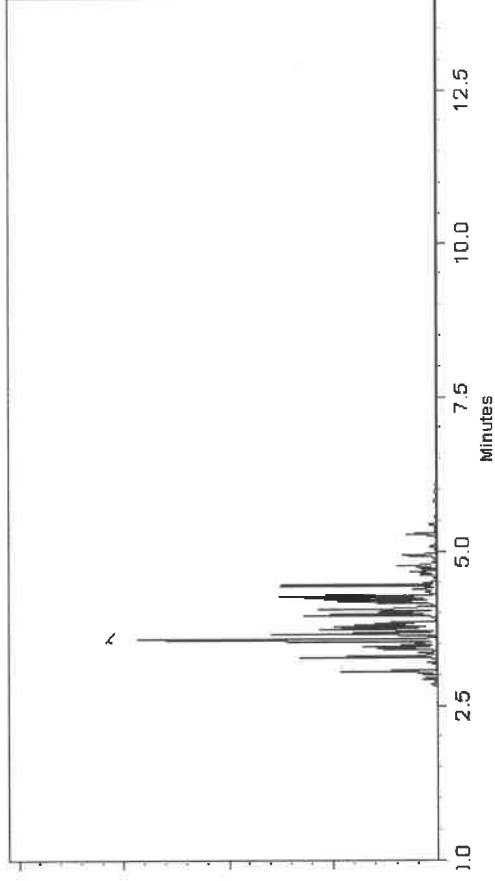
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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 Boothamer

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

Jennifer Polino

Jennifer Polino - Operations Tech III - APM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



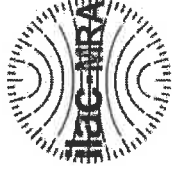
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 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

P1210967
P1210977
AF
12109723

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

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:

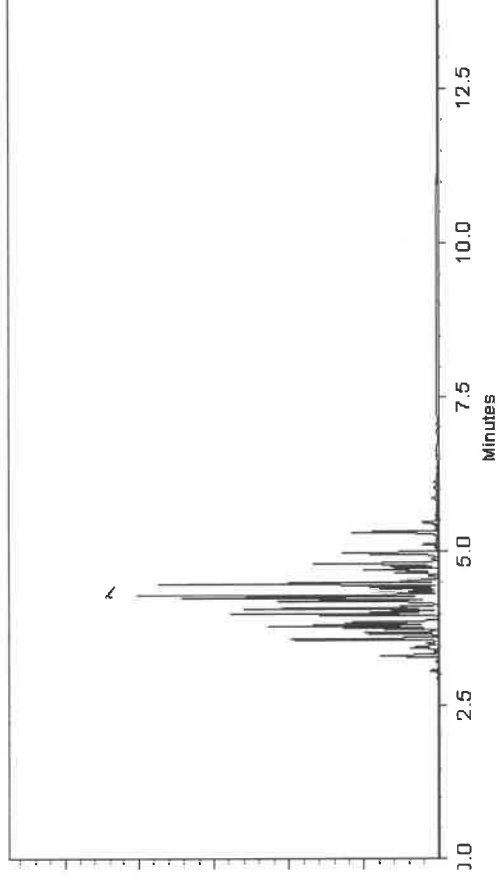
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20084

Solvent(s):
Hexane

Lot#
273615

Lot Number:
022023

CLP PCB'S - Aroclor Mix

Description:
Aroclors 1016 & 1260

022033

Expiration Date:
Ambient (20 °C)

5E-05 Balance Uncertainty

Recommended Storage:
1000

0.010 Flask Uncertainty

Nominal Concentration (µg/mL):
6UTB

200.0

NIST Test ID#:

5E-05

Weight(s) shown below were combined and diluted to (mL):

200.0

Formulated By:
Benson Chan

022023

DATE

Reviewed By:
Pedro L. Rentas

022023

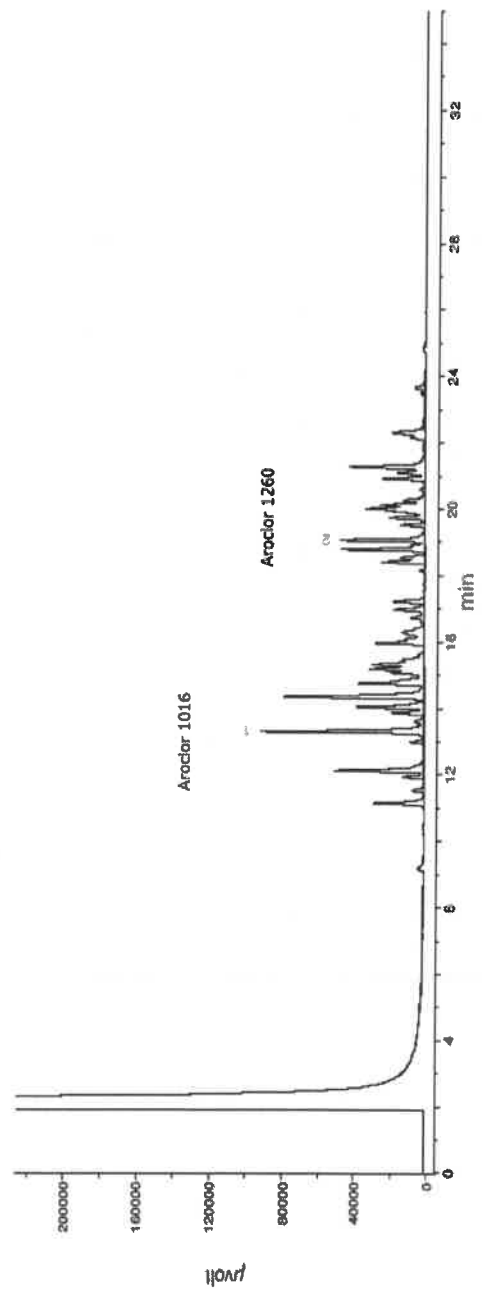
DATE

PR2946 7/18
↓
12/20/23
PR2955

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	(SHA 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
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3 orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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 Stortier
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 = 280°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 = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Solvent(s):
Hexane

Lot#
273615

Lot Number:
022023

Formulated By:
Benson Chan

DATE
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Reviewed By:
Pedro L. Rentas

DATE
022023

Expiration Date:
022033

Expanded
Uncertainty
(+/-) (µg/mL)

4.0

Recommended Storage:
Ambient (20 °C)

Actual
Conc (µg/mL)

1002.8

Nominal Concentration (µg/mL):
1000

OSHA PEL (TWA)

0.5mg/m3

NIST Test ID#:
6UTB

LD50

N/A

Weight(s) shown below were combined and diluted to (mL.):
200.0

Balance Uncertainty
0.010

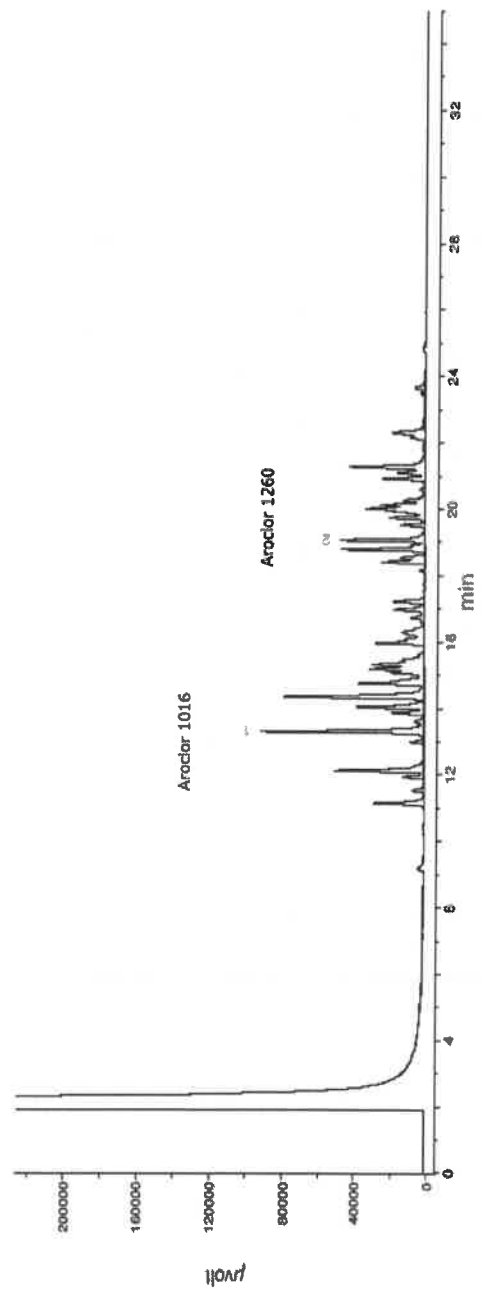
Flask Uncertainty

PR2946 718
↓
12/20/23
P12955

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2 N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5 0.5mg/m3 orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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 Stortier
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 = 280°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 = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: 99139
Lot Number: 121823
Description: Aroclor 1254

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.

Solvent(s): Iso-octane
Lot#: 82227

Formulated By: Anthony Mahoney	121823	DATE
Reviewed By: Pedro L. Rentas	121823	DATE

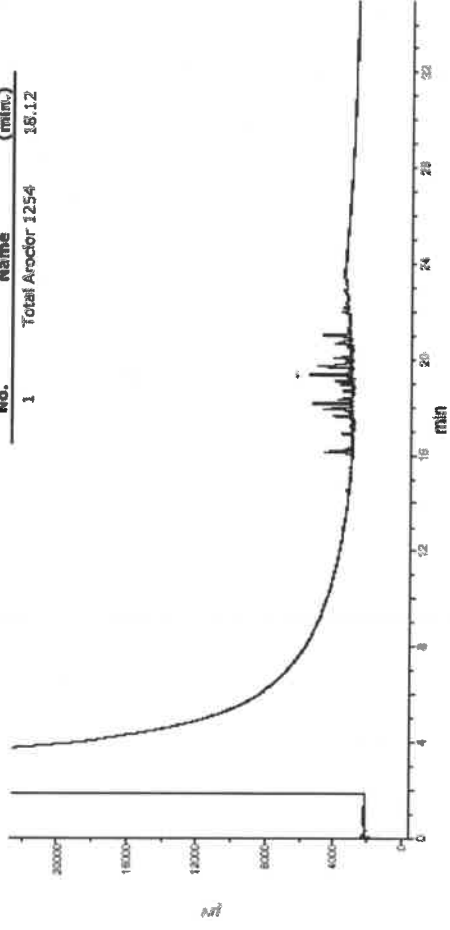
P12956 / Y.P.
12/18/23
P12957

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Initial Uncertainty	Pipette (mL)	Conc. (µg/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	0.017	1003.3	100.1	11097-69-1	1.8	0.5mg/m3 (skin)		or-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 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 = 280 °C (Time 2 = 13.5 min)
Rate = 8 °C/min, Total run time = 35 min
Injector temp. = 200 °C, FID Temp. = 300 °C, FID Signal = EDAQ Channel 1
Standard injection = 1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12





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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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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:

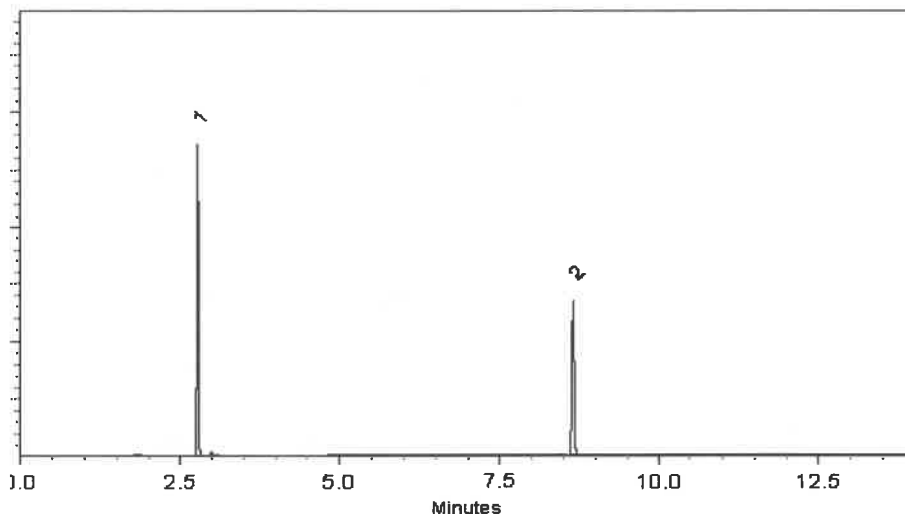
ECD

Split Vent:

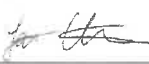
10 ml/min.

Inj. Vol

1µl

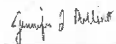


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

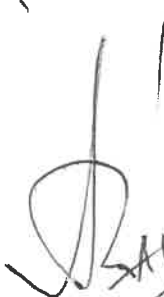
Balance Serial # 1128360905


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
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SAUF
04/25/2025



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

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:

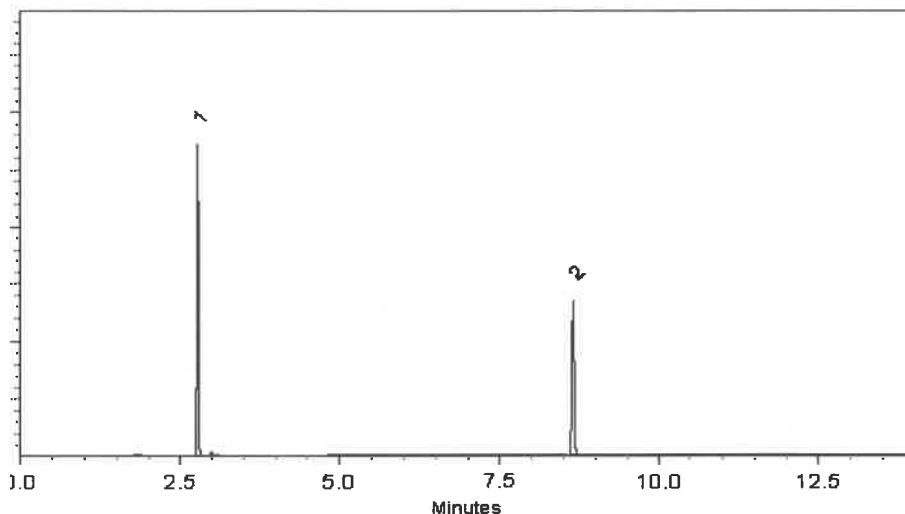
ECD

Split Vent:

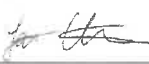
10 ml/min.

Inj. Vol

1µl

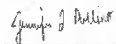


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

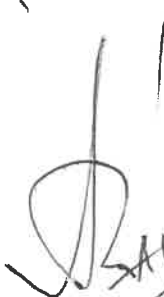
Balance Serial # 1128360905


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

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P 13357
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SAUF
04/25/2025



ISO 17034

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/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.

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Page: 1 of 2

CSD-QA-015.2

ISO 17025

Cert No. AT-1937

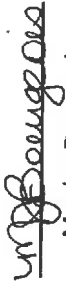
250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



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

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0207475

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, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	10947000	---%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13380
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P 13381
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SAZU
05/6/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

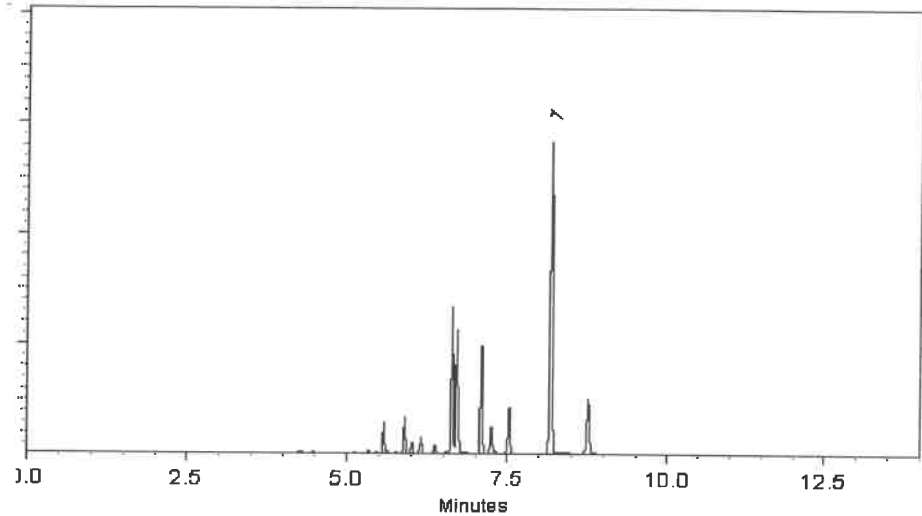
ECD

Split Vent:

Split ratio 500:1

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024

Balance Serial # B442140311

Dillon Murphy
Dillon Murphy - Operations Technician I

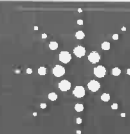
Date Passed: 09-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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[Signature]
05/6/2024

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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P13590AJ
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ISO 17034



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 95T215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1248 Standard

Lot Number: 0006726317

Product Number: PP-342-1

Lot Issue Date: 27-Jan-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 28-Feb-2031

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3 ±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
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P13592

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Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1

ISO 17025



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

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P13701 } Y.P.
10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

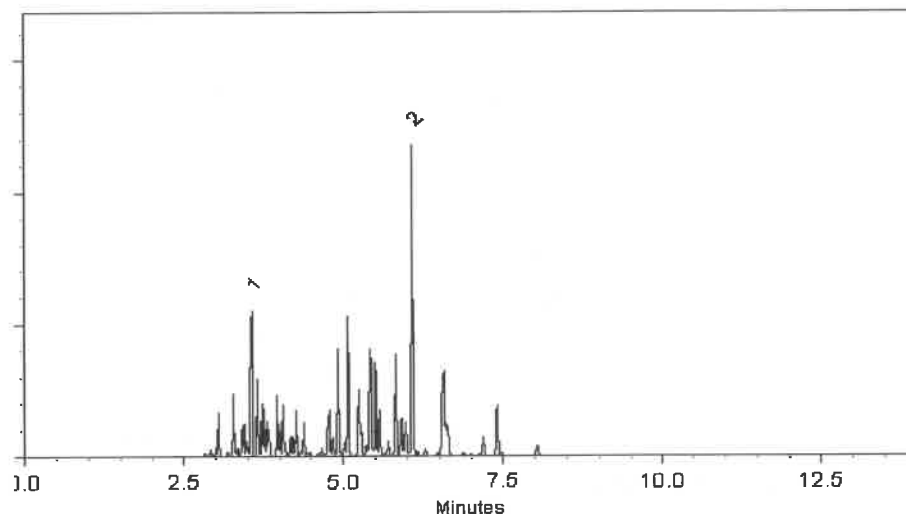
ECD

Split Vent:

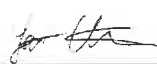
10 ml/min.

Inj. Vol

0.2µl

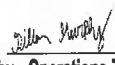


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B442140311


Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0215270

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, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13902 } Y.P.
P13703 } 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

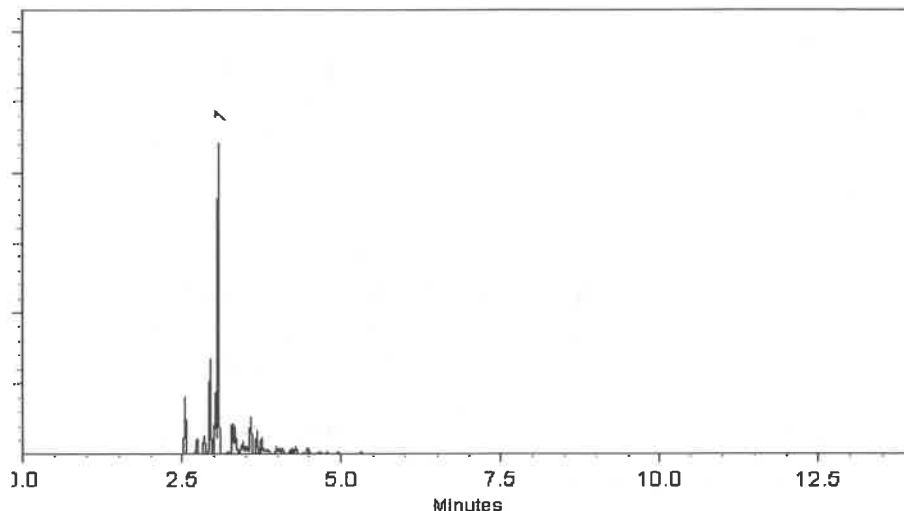
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830
↓
P13832
AJ
12/09/24

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

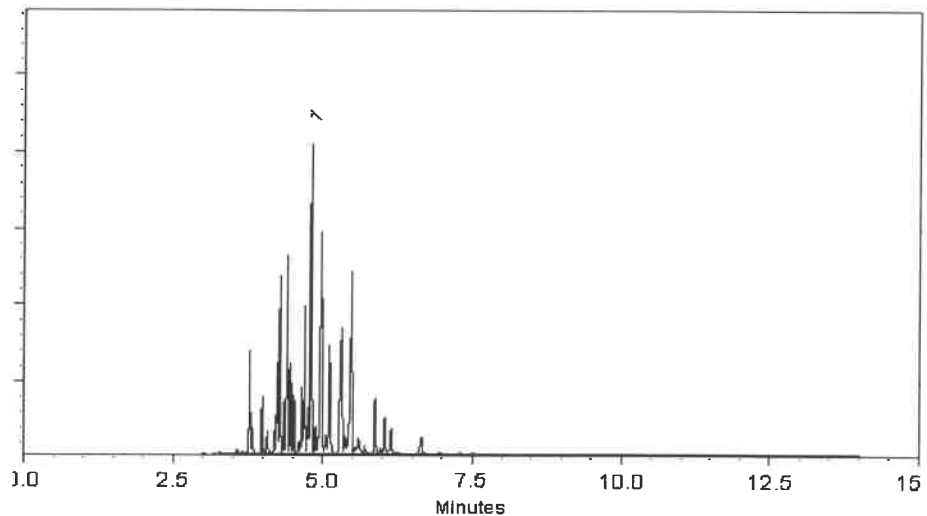
ECD

Split Vent:

300 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024

Balance Serial # C322230531

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008

Lot No.: A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : March 31, 2031

Storage: 25°C nominal

Handling:

This product contains PCBs.

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	---%	1,007.0 µg/mL	+/- 55.8810

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13878



AJ
01/28/25

P13880

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

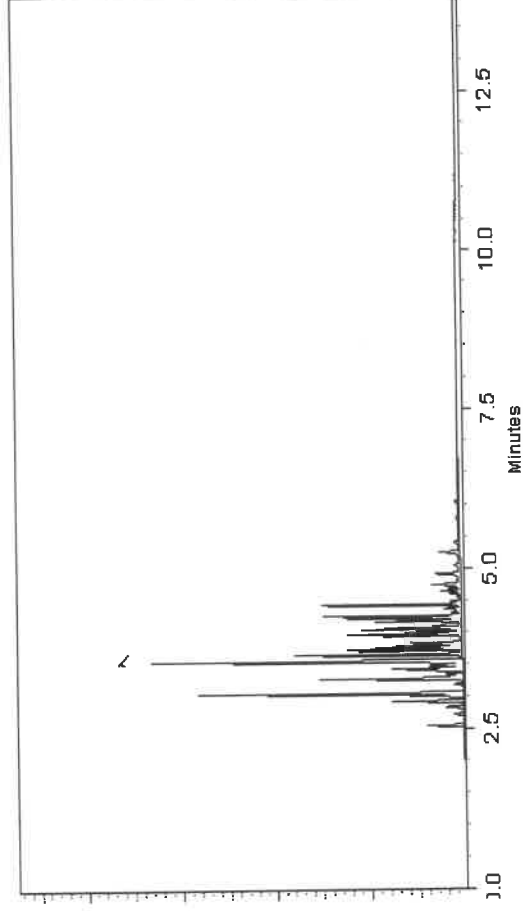
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024

Balance Serial #

C322230531

Brittany Federhik

Brittany Federhiko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



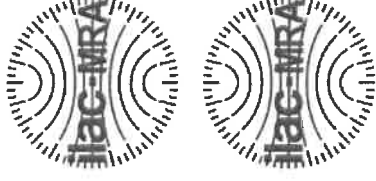
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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.:** A0220950

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, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1262	37324-23-5	10849100	----%	1,002.0 µg/mL	+/- 55.6035

Solvent: Hexane

CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13882

↓

AJ
01/28/25

P13883

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

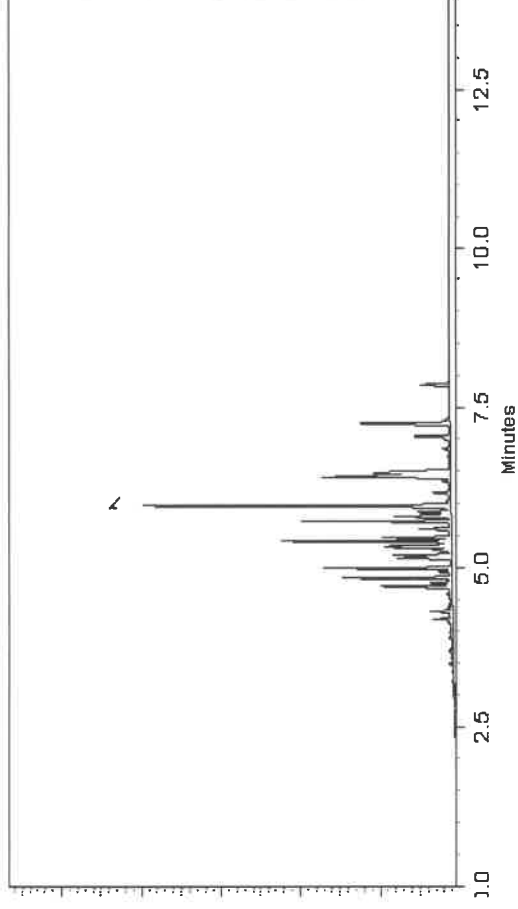
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckal - Mix Technician

Date Mixed: 09-Jan-2025 Balance Serial # C322230531



Britiany Federenko - Operations Tech I

Date Passed: 14-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd Suite 3800
CITY: Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Henry Lea School
PROJECT NO.: LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#: Same
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

PAID Historic Parameters

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	COMP-1	Soil	✓		4/2/25	9:55	4	✓									
2.	COMP-2	↓	↓		↓	10:45	↓	↓									
3.	COMP-3	↓	↓		↓	11:45	↓	↓									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 4/2/25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5°C Comments: (adjust factor +1) ILGUN #1
RELINQUISHED BY SAMPLER: 2. FedEx	DATE/TIME: 4-22-25	RECEIVED BY: 2. [Signature]	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page 1 of 1 CLIENT: ☐ Hand Delivered ☒ Other Shipment Complete
Fedex ☐ YES ☐ NO

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 : Q1858	POWE02	Order Date : 4/22/2025 2:54:00 PM	Project Mgr :
Client Name : Kleinfelder		Project Name : Henry Lea School	Report Type : Results+QC
Client Contact : Mark Warchol		Receive DateTime : 4/22/2025 2:50:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Kleinfelder		Purchase Order :	Hard Copy Date :
Invoice Contact : Mark Warchol			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1858-01	COMP-1	Solid	04/21/2025	09:55					
					VOCMS Group1		8260D	5 Bus. Days	
Q1858-02	COMP-2	Solid	04/21/2025	10:45					
					VOCMS Group1		8260D	5 Bus. Days	
Q1858-03	COMP-3	Solid	04/21/2025	11:45					
					VOCMS Group1		8260D	5 Bus. Days	

Relinquished By :



Date / Time :

4/22/25 1510

Received By :



Date / Time :

4/22/25 1510

Storage Area : VOA Refridgerator Room