

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:	Q1936	OrderDate:	5/1/2025 2:00:17 PM
Client:	Saxton Falls Sand and Gravel Co. Inc.	Project:	Stan Hope
Contact:	Rich Schindelar	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1936-01	SMALL-PILE-A	SOIL	PCB	8082A	05/01/25	05/05/25	05/05/25	05/01/25
Q1936-02	SMALL-PILE-A	Solid	EPH_NF	NJEPH	05/01/25	05/05/25	05/05/25	05/01/25
Q1936-03	SMALL-PILE-B	SOIL	PCB	8082A	05/01/25	05/05/25	05/05/25	05/01/25
Q1936-04	SMALL-PILE-B	Solid	EPH_NF	NJEPH	05/01/25	05/05/25	05/05/25	05/01/25
Q1936-05	SMALL-PILE-C	SOIL	PCB	8082A	05/01/25	05/05/25	05/05/25	05/01/25
Q1936-06	SMALL-PILE-C	Solid	EPH_NF	NJEPH	05/01/25	05/05/25	05/05/25	05/01/25
Q1936-07	SMALL-PILE-D	SOIL	PCB	8082A	05/01/25	05/05/25	05/05/25	05/01/25
Q1936-08	SMALL-PILE-D	Solid	EPH_NF	NJEPH	05/01/25	05/05/25	05/05/25	05/01/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1936

Order ID: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Project ID: Stan Hope

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.: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO110891.D	PIBLK-PO110891.D	Tetrachloro-m-xylene	1	20	16.1	81		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.1	91		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	15.2	76		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.1	90		70 (60)	130 (140)
I.BLK-PO110930.D	PIBLK-PO110930.D	Tetrachloro-m-xylene	1	20	14.9	75		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	16.1	81		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	15.5	78		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.0	90		70 (60)	130 (140)
PB167853BL	PB167853BL	Tetrachloro-m-xylene	1	20	18.3	91		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.8	94		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.6	103		30 (32)	150 (175)
PB167853BS	PB167853BS	Tetrachloro-m-xylene	1	20	17.0	85		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.0	95		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	17.5	87		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.6	103		30 (32)	150 (175)
Q1936-01	SMALL-PILE-A	Tetrachloro-m-xylene	1	20	14.2	71		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.4	67		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	14.6	73		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.8	74		30 (32)	150 (175)
Q1936-01MS	SMALL-PILE-AMS	Tetrachloro-m-xylene	1	20	17.0	85		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.6	83		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	17.9	89		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.7	93		30 (32)	150 (175)
Q1936-01MSD	SMALL-PILE-AMSD	Tetrachloro-m-xylene	1	20	17.1	85		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.6	83		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.0	90		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.0	95		30 (32)	150 (175)
Q1936-03	SMALL-PILE-B	Tetrachloro-m-xylene	1	20	18.0	90		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.9	89		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.7	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.1	106		30 (32)	150 (175)
Q1936-05	SMALL-PILE-C	Tetrachloro-m-xylene	1	20	15.0	75		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.6	73		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	15.9	79		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.2	86		30 (32)	150 (175)
Q1936-07	SMALL-PILE-D	Tetrachloro-m-xylene	1	20	12.2	61		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	12.2	61		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	12.0	60		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.0	70		30 (32)	150 (175)
I.BLK-PO110945.D	PIBLK-PO110945.D	Tetrachloro-m-xylene	1	20	15.4	77		70 (60)	130 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO110945.D	PIBLK-PO110945.D	Decachlorobiphenyl	1	20	15.4	77		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.2	81		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.9	90		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8082A

DataFile : PO110934.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: Q1936-01MS	SMALL-PILE-AMS											
	AR1016	183.4	0	176	ug/kg	96				40 (55)	140 (146)	
	AR1260	183.4	0	165	ug/kg	90				40 (31)	140 (146)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8082A

DataFile : PO110935.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	SMALL-PILE-AMSD											
Q1936-01MSD	AR1016	183.5	0	174	ug/kg	95		1		40 (55)	140 (146)	30 (20)
	AR1260	183.5	0	164	ug/kg	89		1		40 (31)	140 (146)	30 (20)



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8082A Datafile : PO110932.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167853BS	AR1016	166.6	148	ug/kg	89				40 (71)	140 (120)		
	AR1260	166.6	146	ug/kg	88				40 (65)	140 (130)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167853BL

Lab Name: CHEMTECH

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936

SAS No.: Q1936 SDG NO.: Q1936

Lab Sample ID: PB167853BL

Lab File ID: PO110931.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/05/2025

Date Analyzed (1): 05/05/2025

Date Analyzed (2): 05/05/2025

Time Analyzed (1): 13:09

Time Analyzed (2): 13:09

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
PB167853BS	PB167853BS	PO110932.D	05/05/2025	05/05/2025
SMALL-PILE-A	Q1936-01	PO110933.D	05/05/2025	05/05/2025
SMALL-PILE-AMS	Q1936-01MS	PO110934.D	05/05/2025	05/05/2025
SMALL-PILE-AMSD	Q1936-01MSD	PO110935.D	05/05/2025	05/05/2025
SMALL-PILE-B	Q1936-03	PO110936.D	05/05/2025	05/05/2025
SMALL-PILE-C	Q1936-05	PO110937.D	05/05/2025	05/05/2025
SMALL-PILE-D	Q1936-07	PO110938.D	05/05/2025	05/05/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-A	SDG No.:	Q1936
Lab Sample ID:	Q1936-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110933.D	1	05/05/25 08:35	05/05/25 13:45	PB167853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.6		30 (32) - 150 (144)	73%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		30 (32) - 150 (175)	74%	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\P0050525\
 Data File : PO110933.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 13:45
 Operator : YP/AJ
 Sample : Q1936-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SMALL-PILE-A

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 16:29:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	80998214	70508692	14.159	14.559
2) SA Decachlor...	8.725	8.673	81830277	24932038	13.409	14.777

Target Compounds

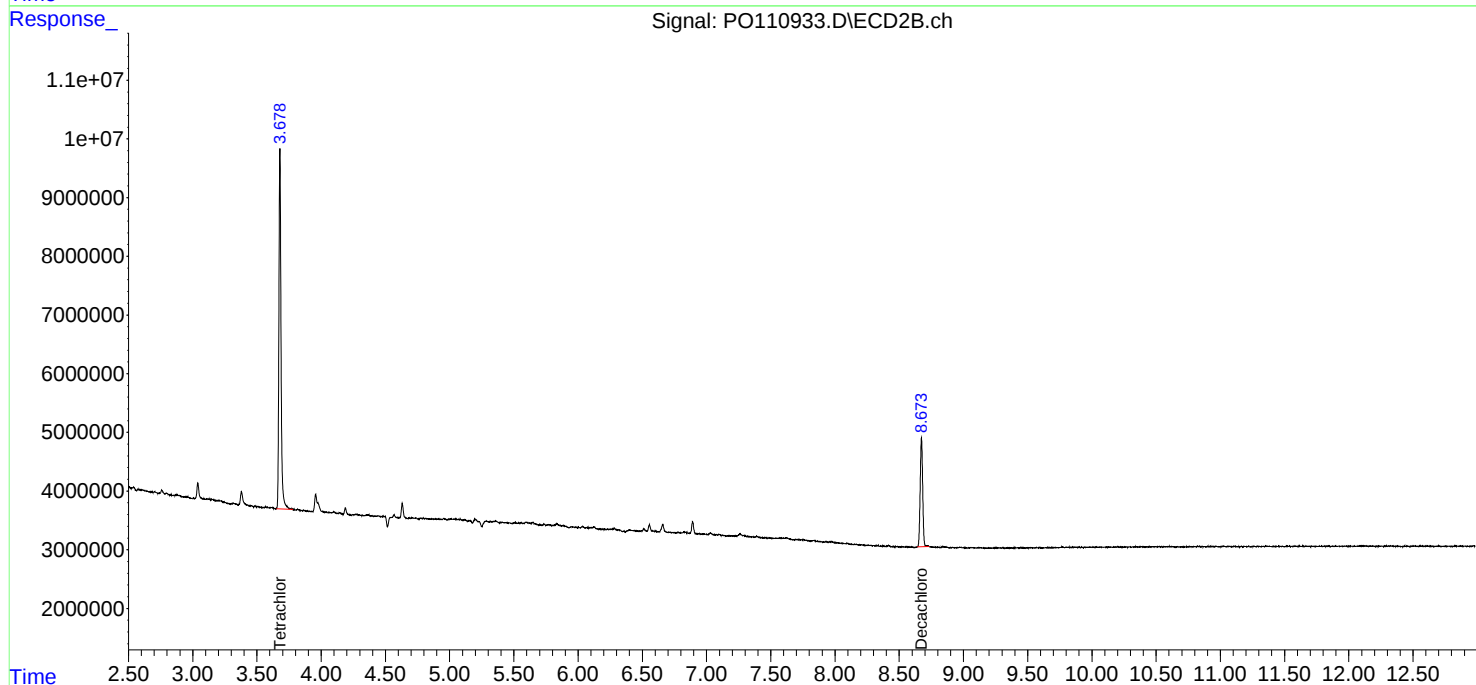
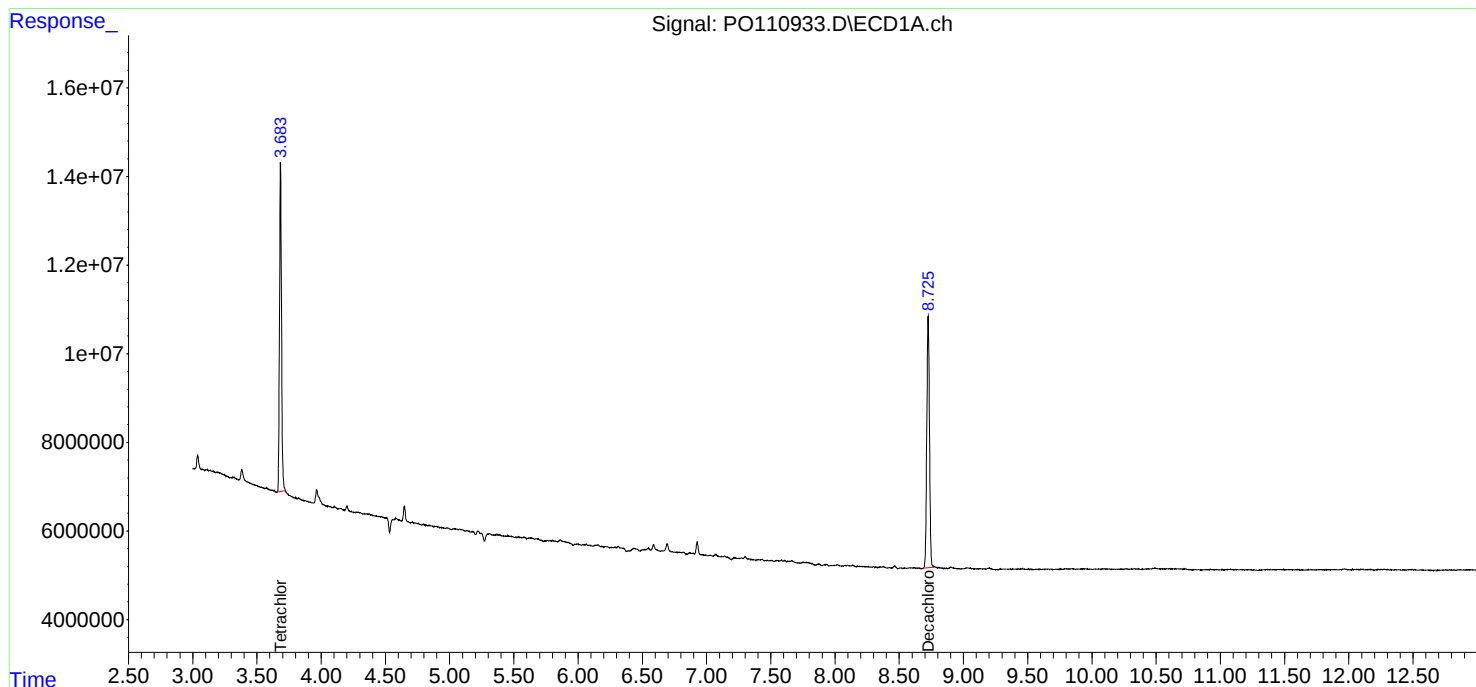
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

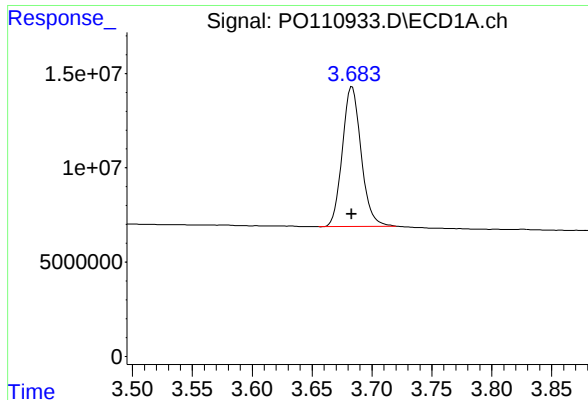
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:45
Operator : YP/AJ
Sample : Q1936-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-A

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:29:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

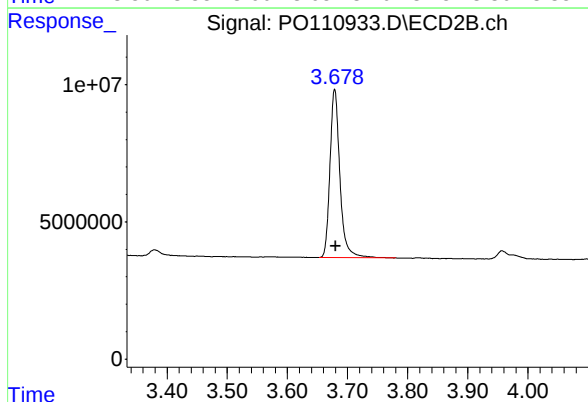




#1 Tetrachloro-m-xylene

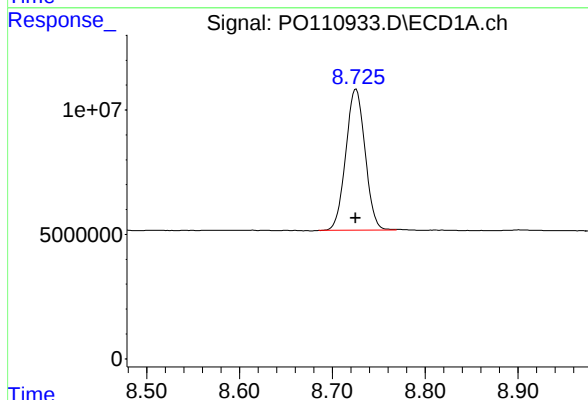
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 80998214
Conc: 14.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-A



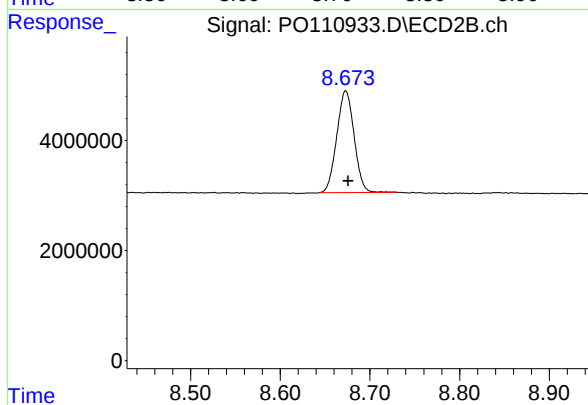
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.002 min
Response: 70508692
Conc: 14.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 81830277
Conc: 13.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 24932038
Conc: 14.78 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-B	SDG No.:	Q1936
Lab Sample ID:	Q1936-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.8
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110936.D	1	05/05/25 08:35	05/05/25 14:40	PB167853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.1	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		30 (32) - 150 (144)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		30 (32) - 150 (175)	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050525\
 Data File : PO110936.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 14:40
 Operator : YP/AJ
 Sample : Q1936-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SMALL-PILE-B

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 16:32:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	102.8E6	90476473	17.969m	18.682m
2) SA Decachlor...	8.725	8.674	109.0E6	35624504	17.855	21.114

Target Compounds

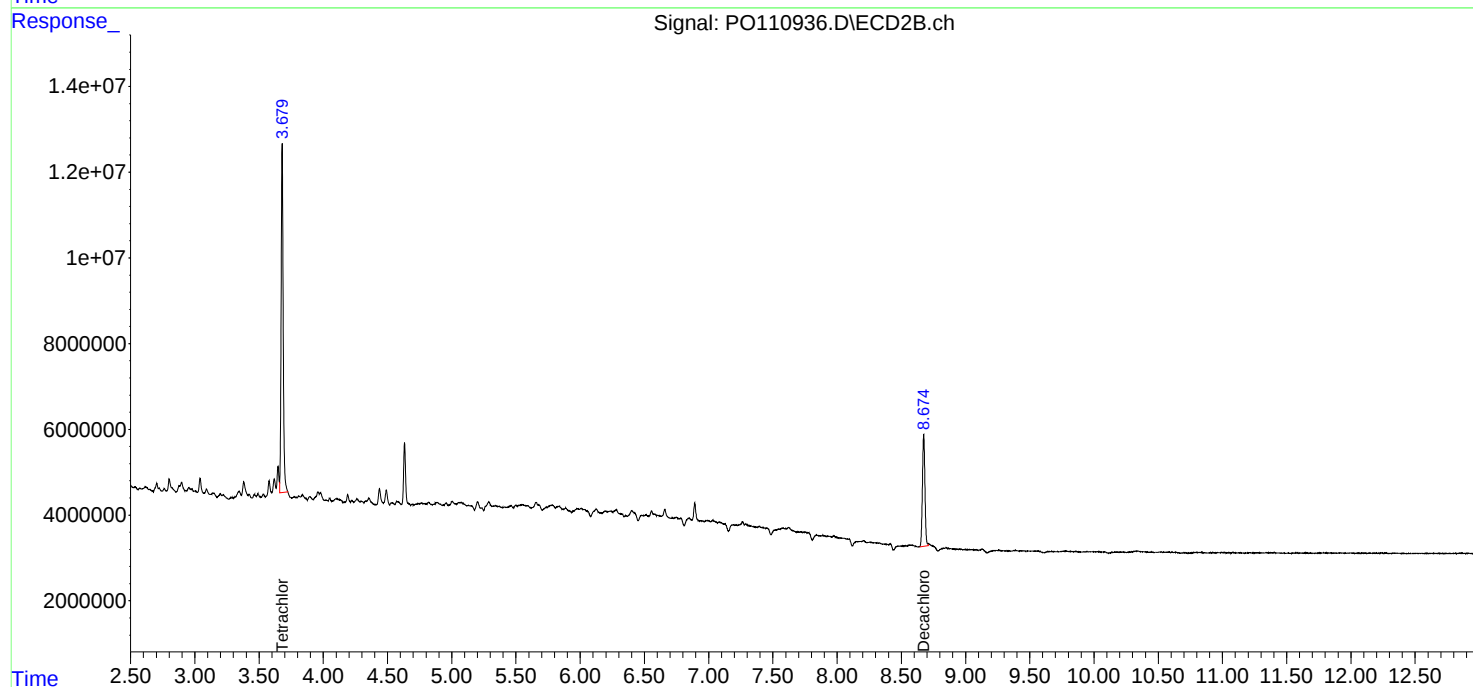
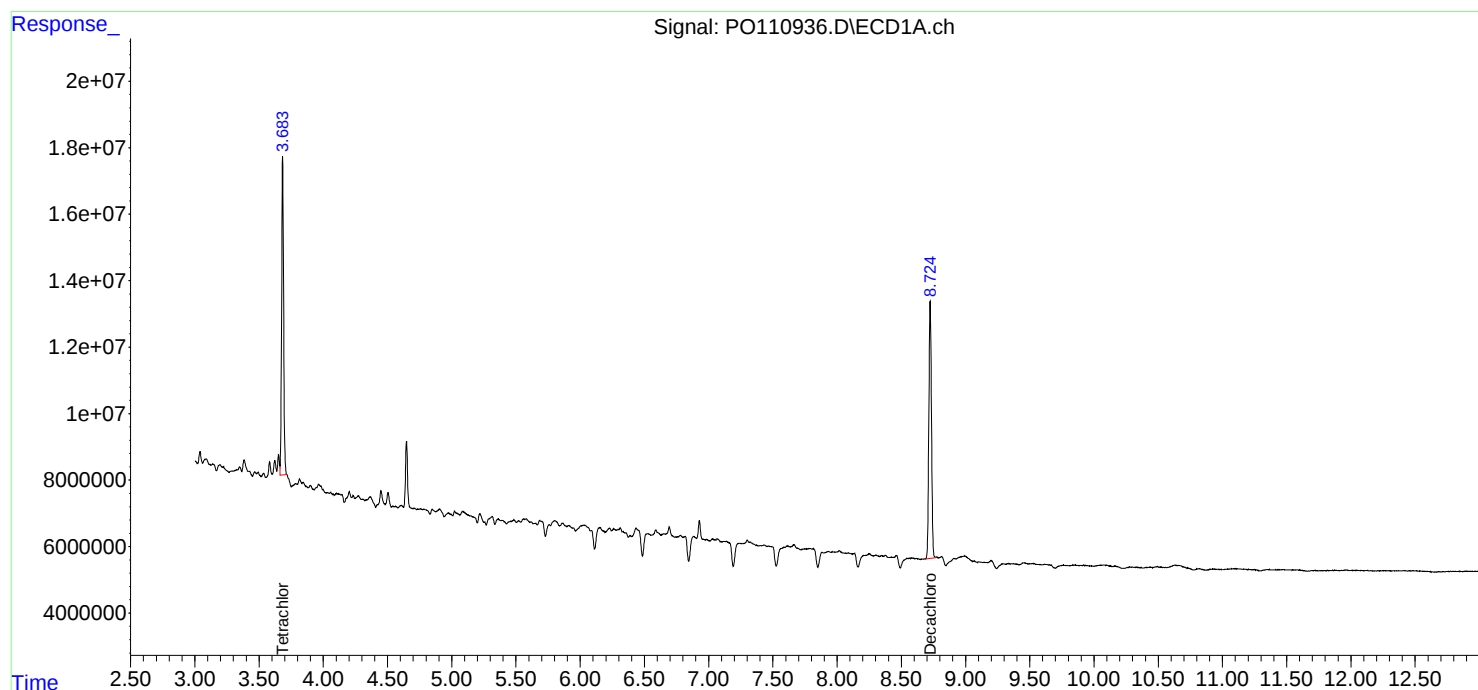
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

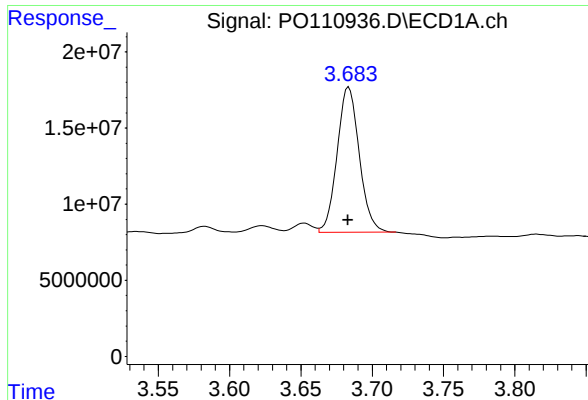
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 14:40
Operator : YP/AJ
Sample : Q1936-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-B

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:32:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

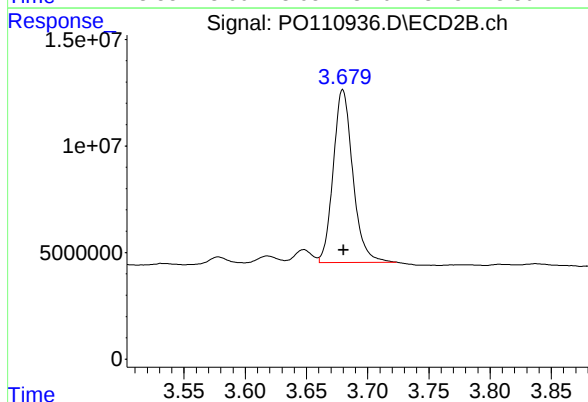




#1 Tetrachloro-m-xylene

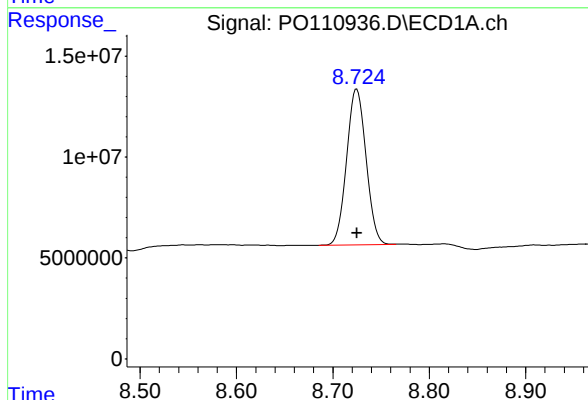
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 102797574
Conc: 17.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-B



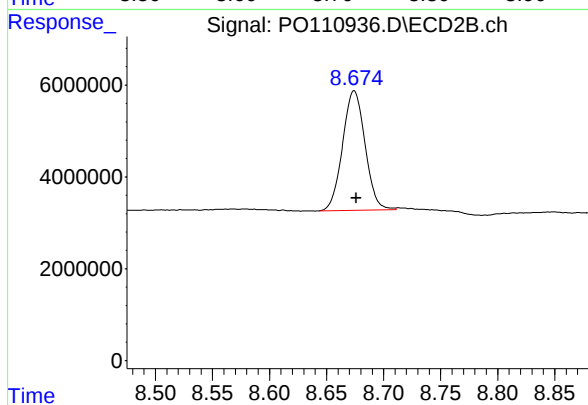
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 90476473
Conc: 18.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 108958646
Conc: 17.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 35624504
Conc: 21.11 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-C	SDG No.:	Q1936
Lab Sample ID:	Q1936-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	97.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110937.D	1	05/05/25 08:35	05/05/25 14:59	PB167853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	17.5	ug/kg
11104-28-2	Aroclor-1221	4.10	U	4.10	17.5	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	17.5	ug/kg
53469-21-9	Aroclor-1242	4.10	U	4.10	17.5	ug/kg
12672-29-6	Aroclor-1248	6.10	U	6.10	17.5	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	17.5	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	17.5	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	17.5	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	17.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		30 (32) - 150 (144)	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		30 (32) - 150 (175)	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050525\
Data File : PO110937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 14:59
Operator : YP/AJ
Sample : Q1936-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:32:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	85962715	77011360	15.026	15.901
2) SA Decachlor...	8.725	8.674	88877923	29059742	14.564	17.223

Target Compounds

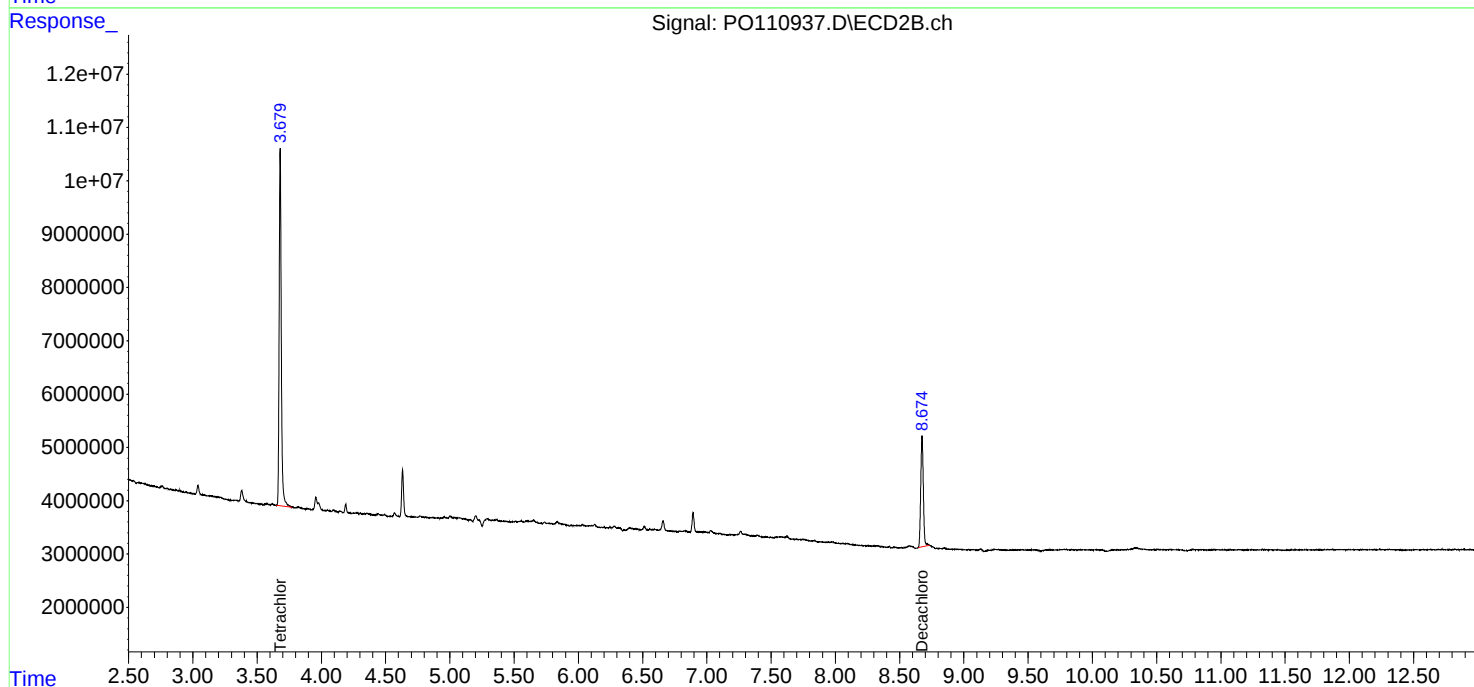
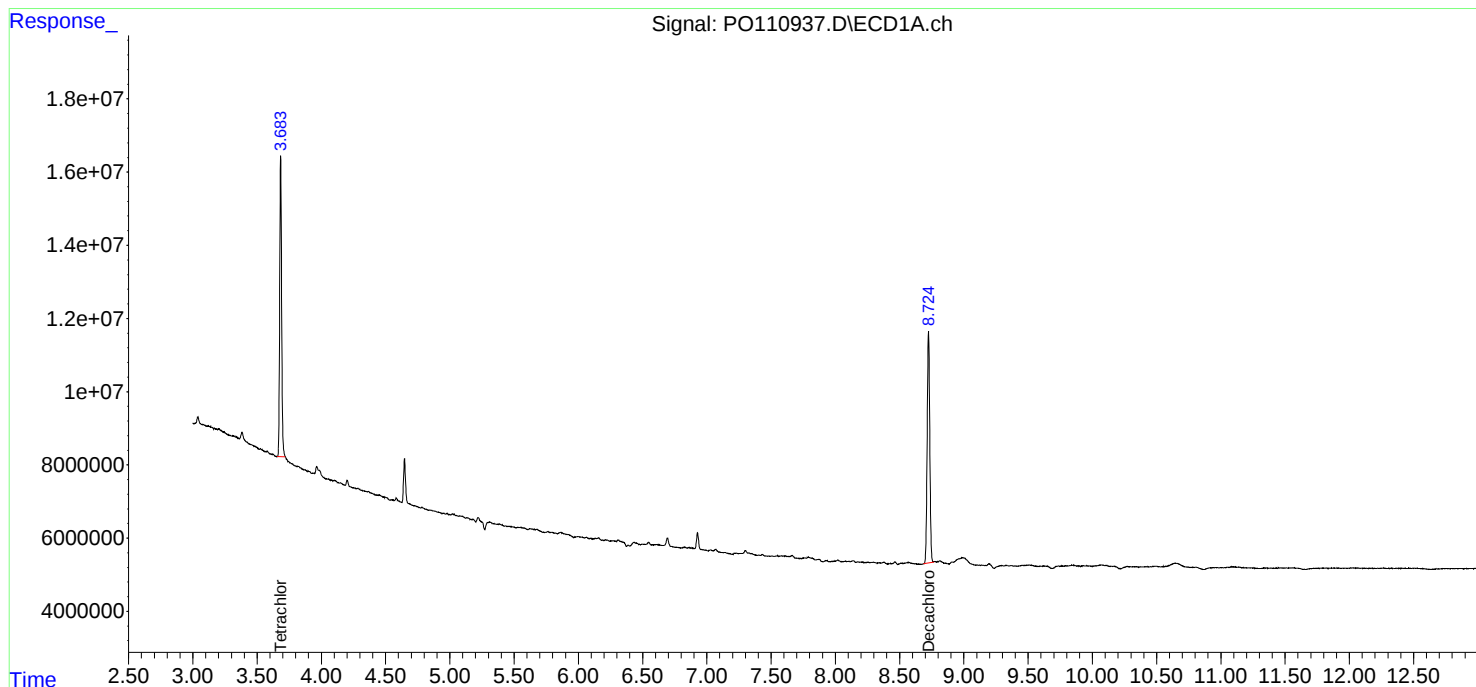
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

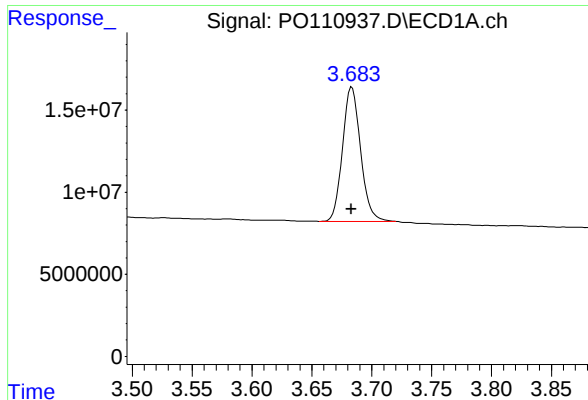
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 14:59
Operator : YP/AJ
Sample : Q1936-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:32:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

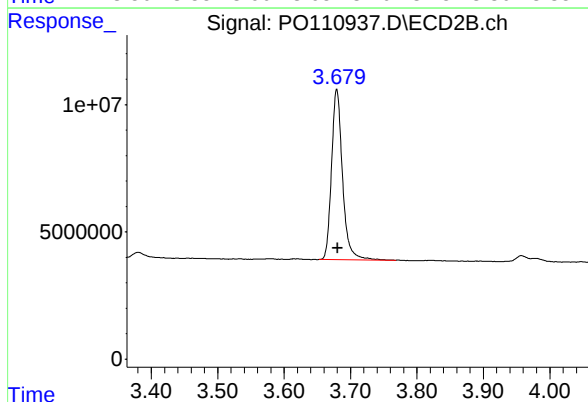




#1 Tetrachloro-m-xylene

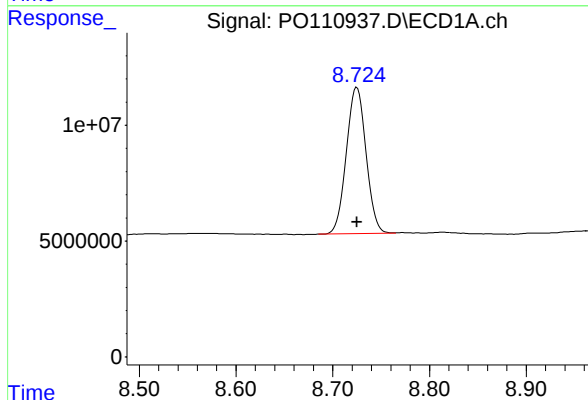
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 85962715
Conc: 15.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-C



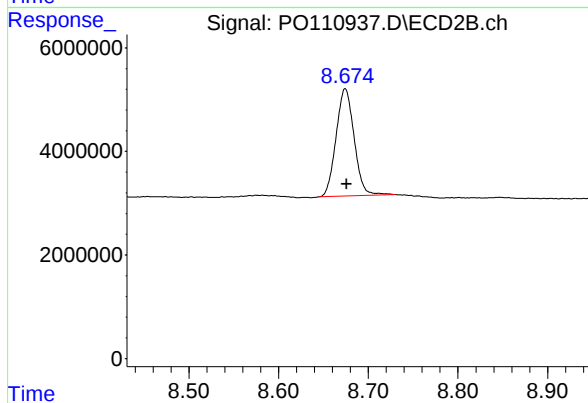
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 77011360
Conc: 15.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 88877923
Conc: 14.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 29059742
Conc: 17.22 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-D	SDG No.:	Q1936
Lab Sample ID:	Q1936-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110938.D	1	05/05/25 08:35	05/05/25 15:17	PB167853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.2		30 (32) - 150 (144)	61%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.0		30 (32) - 150 (175)	70%	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\PO050525\
 Data File : PO110938.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 15:17
 Operator : YP/AJ
 Sample : Q1936-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SMALL-PILE-D

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 16:33:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	69647159	58224334	12.174m	12.022m
2) SA Decachlor...	8.724	8.673	74131397	23584108	12.148	13.978

Target Compounds

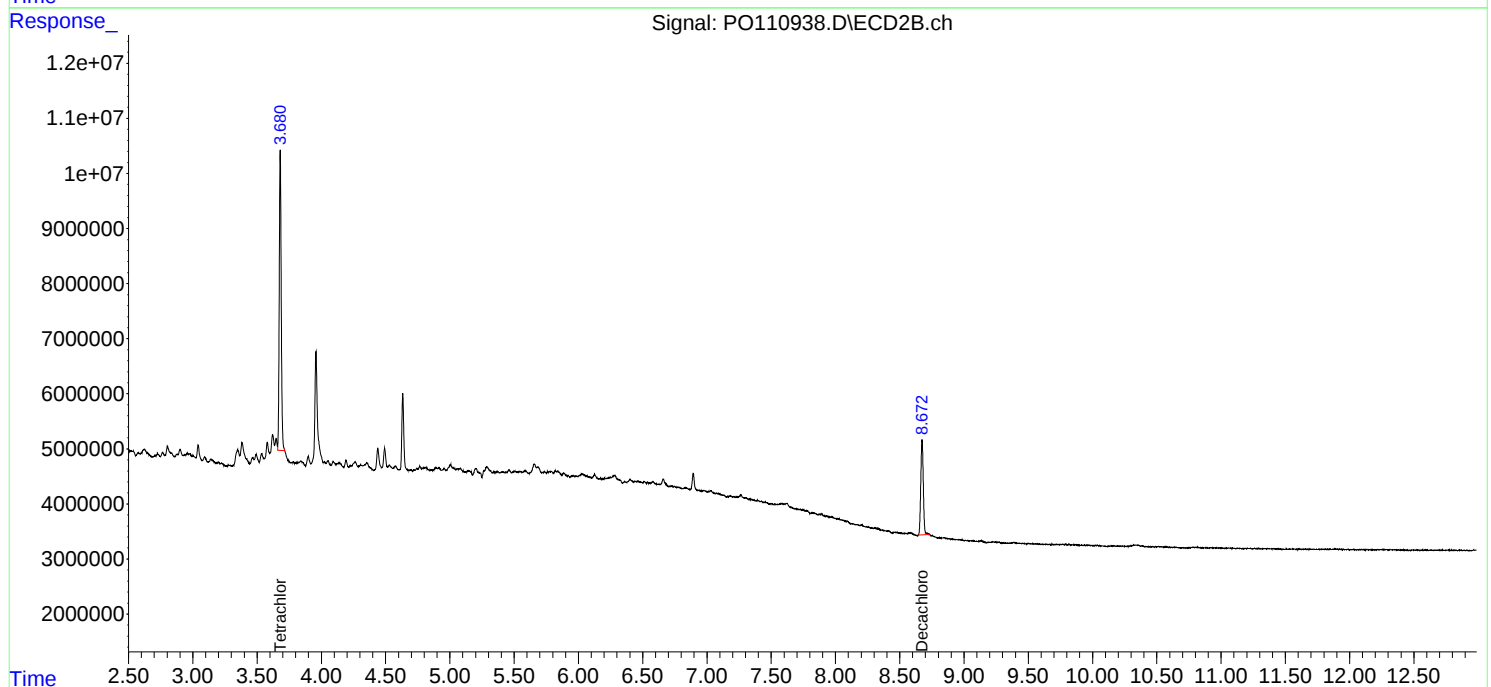
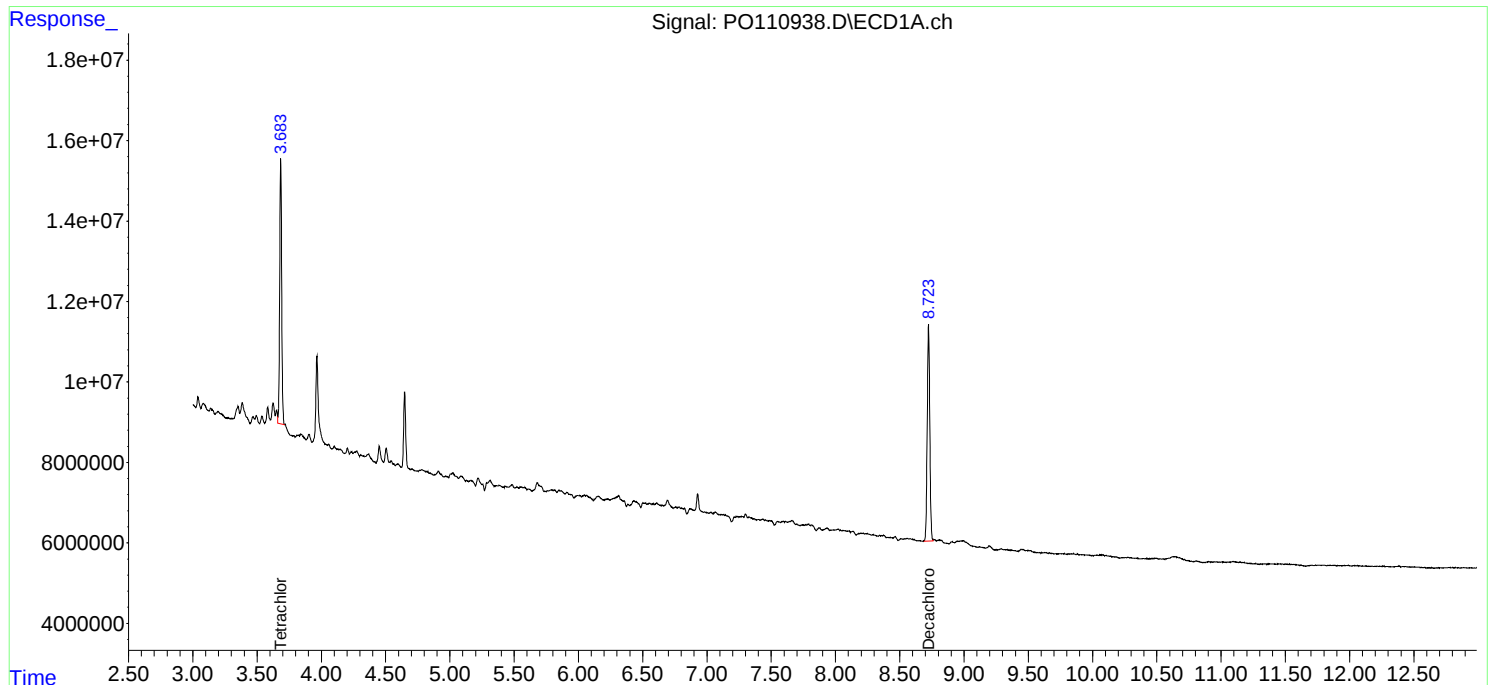
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

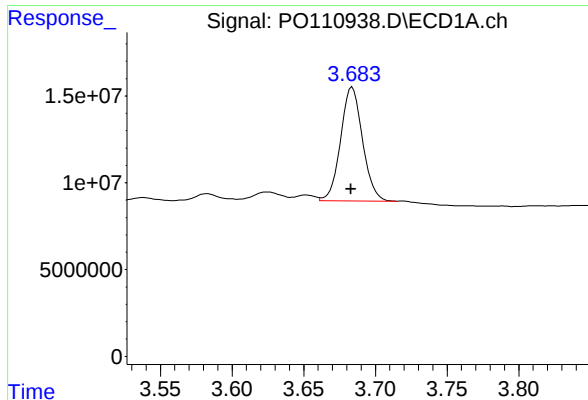
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 15:17
Operator : YP/AJ
Sample : Q1936-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-D

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:33:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

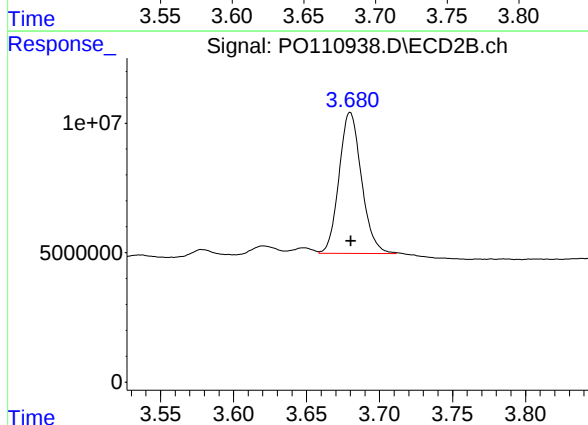




#1 Tetrachloro-m-xylene

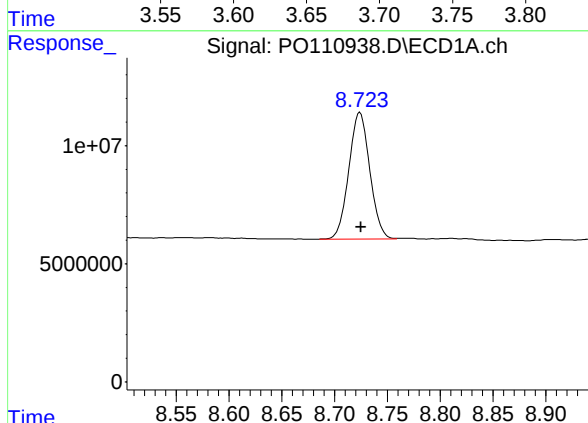
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 69647159
Conc: 12.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-D



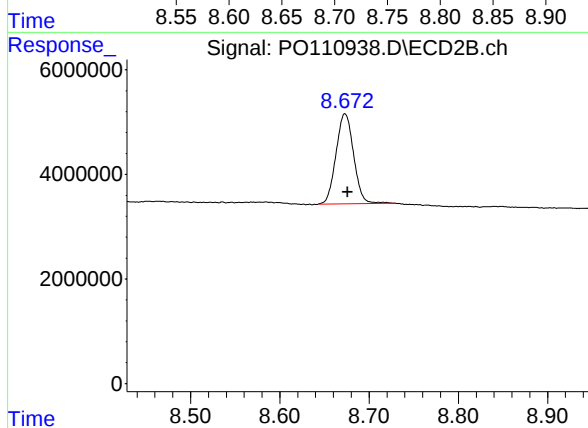
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 58224334
Conc: 12.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.001 min
Response: 74131397
Conc: 12.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 23584108
Conc: 13.98 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>SAXT01</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1936</u>	SAS No.:	<u>Q1936</u>	SDG NO.:	<u>Q1936</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>05/02/2025</u>	<u>05/02/2025</u>		
		Calibration Times:		<u>09:45</u>	<u>18:29</u>		

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

LAB FILE ID: RT 1000 = PO110892.D RT 750 = PO110893.D
RT 500 = PO110894.D RT 250 = PO110895.D RT 050 = PO110896.D

[illegible]

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

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SAXT01
Lab Code: CHEM **Case No.:** Q1936 **SAS No.:** Q1936 **SDG NO.:** Q1936
Instrument ID: ECD_O
Calibration Date(s): 05/02/2025 05/02/2025
Calibration Times: 09:45 18:29

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

LAB FILE ID:		CF 1000 = <u>PO110892.D</u>		CF 750 = <u>PO110893.D</u>			
CF 500 = <u>PO110894.D</u>		CF 250 = <u>PO110895.D</u>		CF 050 = <u>PO110896.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	205272828	215983025	220080828	235959088	227775760	221014306
Aroclor-1016-2	(2)	293649877	304461169	310578602	332973160	309197320	310172026
Aroclor-1016-3	(3)	200575527	209792187	228714718	228670052	275757960	228702089
Aroclor-1016-4	(4)	157876141	164543576	165703006	180476220	167365060	167192801
Aroclor-1016-5	(5)	165250516	172786223	176016614	187973036	188417460	178088770
Aroclor-1260-1	(1)	299528495	310321508	357380970	344999836	350884960	332623154
Aroclor-1260-2	(2)	375796209	385860701	423713836	432768876	455924780	414812880
Aroclor-1260-3	(3)	331231566	345042447	348673676	380747372	355635520	352266116
Aroclor-1260-4	(4)	287326179	298526096	307780692	326694172	300854140	304236256
Aroclor-1260-5	(5)	714199547	732981263	738786548	770004572	715959260	734386238
Decachlorobiphenyl		5762043410	5976019093	6119819720	6535356640	6119083200	6102464413
Tetrachloro-m-xylene		5640516600	5793090093	5814049480	5979617160	5376745600	5720803787
Aroclor-1242-1	(1)	176981853	185116560	185903338	191867692	179768720	183927633
Aroclor-1242-2	(2)	248451544	259422057	262337068	268657800	249152060	257604106
Aroclor-1242-3	(3)	171468652	180242387	187546770	185300204	185990780	182109759
Aroclor-1242-4	(4)	135335611	141504689	137968130	144888608	138568260	139653060
Aroclor-1242-5	(5)	144449327	152342121	161991074	160079152	160611300	155894595
Decachlorobiphenyl		5888460680	6135811280	6361723380	6789227280	6534385000	6341921524
Tetrachloro-m-xylene		5816337050	5952986400	5895080000	5859556880	5258170400	5756426146
Aroclor-1248-1	(1)	121536205	127705265	130603610	144623292	132343180	131362310
Aroclor-1248-2	(2)	162731657	171357039	171082906	193805280	177185940	175232564
Aroclor-1248-3	(3)	203361335	212932001	224036516	237622448	224385900	220467640
Aroclor-1248-4	(4)	300072071	315606644	331791156	346867216	344233840	327714185
Aroclor-1248-5	(5)	214600452	227122772	239037018	247001276	239477160	233447736
Decachlorobiphenyl		5890541470	6016185987	6113782300	6522801160	6218016400	6152265463
Tetrachloro-m-xylene		5360495470	5533054973	5662822400	5992082280	5333513200	5576393665
Aroclor-1254-1	(1)	319345291	329724384	340849730	358341332	339594100	337570967
Aroclor-1254-2	(2)	276203446	284791309	279985404	309908104	287617260	287701105
Aroclor-1254-3	(3)	446238177	457590699	450758250	483882000	448018680	457297561
Aroclor-1254-4	(4)	292919199	302510501	306441382	325562828	296693300	304825442
Aroclor-1254-5	(5)	404187735	415856485	428424788	442235180	418736540	421888146
Decachlorobiphenyl		5824726420	5999804813	6165911280	6499697280	6156562800	6129340519
Tetrachloro-m-xylene		5742417230	5862219200	5650151880	5979436800	5275508000	5701946622
Aroclor-1268-1	(1)	896153865	926162523	941758782	962020664	723117100	889842587



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	817138385	845332508	859374938	871448836	618985700	802456073	13
Aroclor-1268-3	(3)	700056139	727016721	743173404	777029204	485178120	686490718	17
Aroclor-1268-4	(4)	290278356	301378231	310704250	301315608	186344660	278004221	19
Aroclor-1268-5	(5)	2111394804	2165208924	2192889384	2191925276	1556953500	2043674378	13
Decachlorobiphenyl		9668330710	10000331827	10286699760	10673766240	7236899600	9573205627	14
Tetrachloro-m-xylene		5733099360	5947944293	6006966740	5857115440	4050912800	5519207727	15

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SAXT01
Lab Code: CHEM **Case No.:** Q1936 **SAS No.:** Q1936 **SDG NO.:** Q1936
Instrument ID: ECD_O **Calibration Date(s):** 05/02/2025 05/02/2025
Calibration Times: 09:45 18:29

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

LAB FILE ID:		CF 1000 = <u>PO110892.D</u>		CF 750 = <u>PO110893.D</u>			
CF 500 = <u>PO110894.D</u>		CF 250 = <u>PO110895.D</u>		CF 050 = <u>PO110896.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	149864780	155342161	160079260	169311912	159788520	5
Aroclor-1016-2	(2)	219190287	226881592	230228012	243078600	223459140	4
Aroclor-1016-3	(3)	115546215	120208939	121092586	129522560	123310560	4
Aroclor-1016-4	(4)	93391182	97789509	98795898	109141820	104686600	6
Aroclor-1016-5	(5)	121423362	126889816	129833168	138823224	140043820	6
Aroclor-1260-1	(1)	204930694	212718488	227899190	231696056	226602120	5
Aroclor-1260-2	(2)	239681762	248766996	261166512	271700624	264826280	5
Aroclor-1260-3	(3)	221530151	228751101	234453782	244020668	236962940	4
Aroclor-1260-4	(4)	170273922	175982431	180266706	192386684	191569220	5
Aroclor-1260-5	(5)	381142655	390353621	394137820	413580012	386753940	3
Decachlorobiphenyl		1565991170	1628694360	1670678300	1820043040	1750865000	6
Tetrachloro-m-xylene		4873476820	4959692227	4943730000	5053567440	4385038400	5
Aroclor-1242-1	(1)	126696062	131244364	133543764	137462260	132686540	3
Aroclor-1242-2	(2)	183881128	190537707	191119380	198040176	186792600	3
Aroclor-1242-3	(3)	97737881	100991139	100728974	105443604	101703080	3
Aroclor-1242-4	(4)	96899292	100789483	101848010	108282984	110731860	5
Aroclor-1242-5	(5)	117846629	122764163	128470028	129569412	134178400	5
Decachlorobiphenyl		1581409100	1651702053	1723068280	1854149680	1841501800	7
Tetrachloro-m-xylene		4949133850	5031153467	4951741480	4917316560	4332160200	6
Aroclor-1248-1	(1)	87941740	92961549	95706288	105890496	99374720	7
Aroclor-1248-2	(2)	122909953	128143691	129857510	147382408	147315620	8
Aroclor-1248-3	(3)	130631111	136650091	140843376	155821620	161768460	9
Aroclor-1248-4	(4)	152910119	159634252	167154668	179556460	178325460	7
Aroclor-1248-5	(5)	153836776	160964761	166669664	176993068	180929020	7
Decachlorobiphenyl		1588810710	1628189973	1677509060	1824689280	1788158000	6
Tetrachloro-m-xylene		4523432400	4647961000	4697197520	4921079920	4297819000	5
Aroclor-1254-1	(1)	235828564	243322039	251373422	265906824	258688780	5
Aroclor-1254-2	(2)	204202116	211503215	212412124	232810672	230002440	6
Aroclor-1254-3	(3)	321967296	329739988	331218024	352064504	336057900	3
Aroclor-1254-4	(4)	186026034	191129692	193993898	207080376	192576100	4
Aroclor-1254-5	(5)	258387827	265723240	269125052	284271756	263896920	4
Decachlorobiphenyl		1596471620	1664497613	1770754040	1862933480	1793707400	6
Tetrachloro-m-xylene		4892916100	4959789800	4827954520	5059694080	4400436000	5
Aroclor-1268-1	(1)	431329394	443482049	458800046	475095940	346070080	12



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	393313730	402469447	415819218	425448780	282321060	383874447	15
Aroclor-1268-3	(3)	288901411	296833589	308143202	319701408	206561000	284028122	16
Aroclor-1268-4	(4)	104991080	109698192	113297320	116938616	75686280	104122298	16
Aroclor-1268-5	(5)	621133951	632445772	656653064	675073308	449411560	606943531	15
Decachlorobiphenyl		2723582030	2812322040	2967739480	3112316920	2102563400	2743704774	14
Tetrachloro-m-xylene		5047265870	5200790400	5217527280	4979898320	3444407800	4777977934	16



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Instrument ID: ECD_O Date(s) Analyzed: 05/02/2025 05/02/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.90	3.80	4.00	87068200
		2	3.98	3.88	4.08	67711400
		3	4.06	3.96	4.16	197771000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	153584000
		2	4.55	4.45	4.65	82380800
		3	4.80	4.70	4.90	159085000
		4	4.97	4.87	5.07	84170600
		5	5.01	4.91	5.11	58872400
Aroclor-1262	500	1	6.82	6.72	6.92	460420000
		2	7.33	7.23	7.43	786498000
		3	7.61	7.51	7.71	334078000
		4	7.67	7.57	7.77	578510000
		5	8.17	8.07	8.27	266794000



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Instrument ID: ECD_O Date(s) Analyzed: 05/02/2025 05/02/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.89	3.79	3.99	66565800
		2	3.98	3.88	4.08	51331600
		3	4.05	3.95	4.15	153037000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	117462000
		2	4.78	4.68	4.88	115035000
		3	4.95	4.85	5.05	60286400
		4	5.04	4.94	5.14	55712600
		5	5.21	5.11	5.31	58864800
Aroclor-1262	500	1	6.79	6.69	6.89	282404000
		2	7.29	7.19	7.39	439308000
		3	7.58	7.48	7.68	162362000
		4	7.64	7.54	7.74	291128000
		5	8.13	8.03	8.23	98593000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110892.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 09:45
 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: May 02 10:55:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 10:51:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.682	564.1E6	487.3E6	98.485	99.284
2) SA Decachlor...	8.728	8.677	576.2E6	156.6E6	96.989	96.766
Target Compounds						
3) L1 AR-1016-1	4.777	4.761	205.3E6	149.9E6	965.187	967.044
4) L1 AR-1016-2	4.795	4.780	293.6E6	219.2E6	971.983	975.440
5) L1 AR-1016-3	4.852	4.955	200.6E6	115.5E6	934.452	976.562
6) L1 AR-1016-4	4.972	4.997	157.9E6	93391182	975.812	971.878
7) L1 AR-1016-5	5.230	5.210	165.3E6	121.4E6	968.453	966.529
31) L7 AR-1260-1	6.270	6.241	299.5E6	204.9E6	911.932	946.934
32) L7 AR-1260-2	6.458	6.428	375.8E6	239.7E6	940.066	957.103
33) L7 AR-1260-3	6.825	6.581	331.2E6	221.5E6	974.346	971.658
34) L7 AR-1260-4	7.085	7.052	287.3E6	170.3E6	965.629	971.493
35) L7 AR-1260-5	7.328	7.293	714.2E6	381.1E6	983.078	983.238

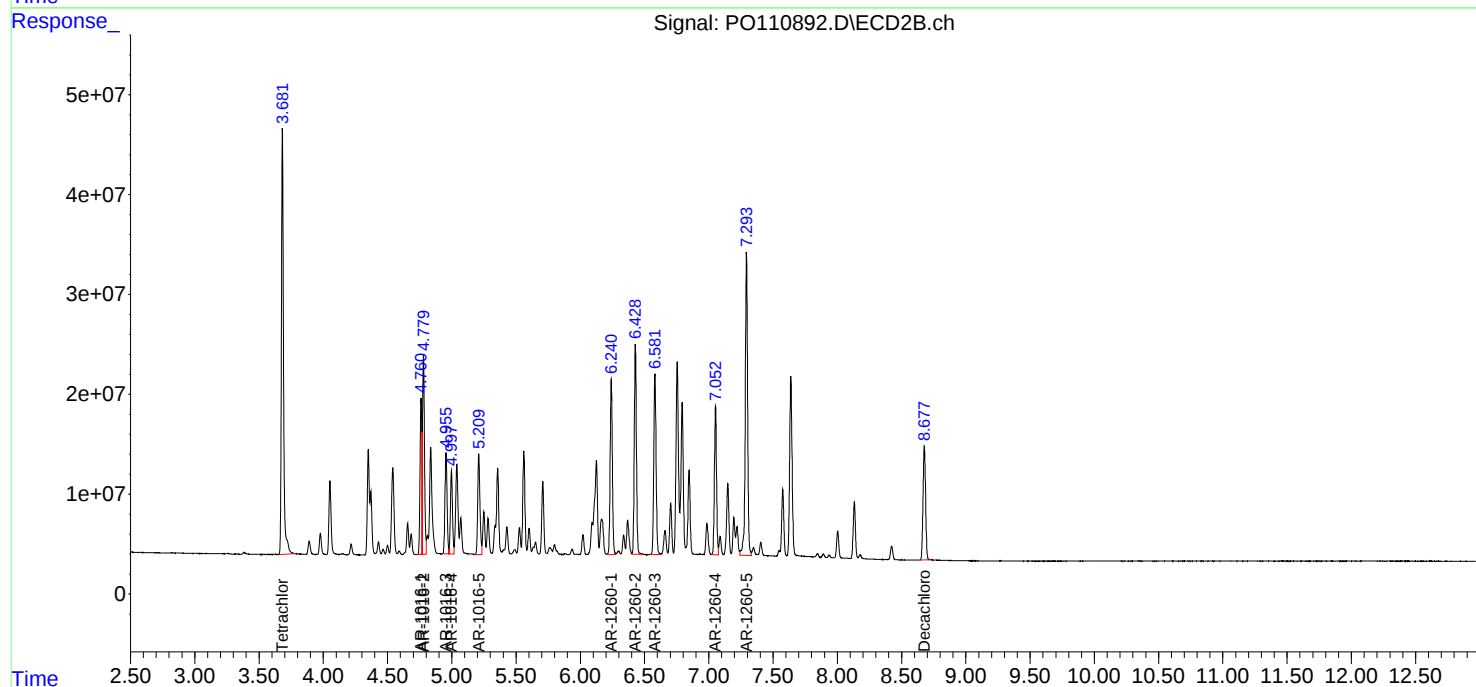
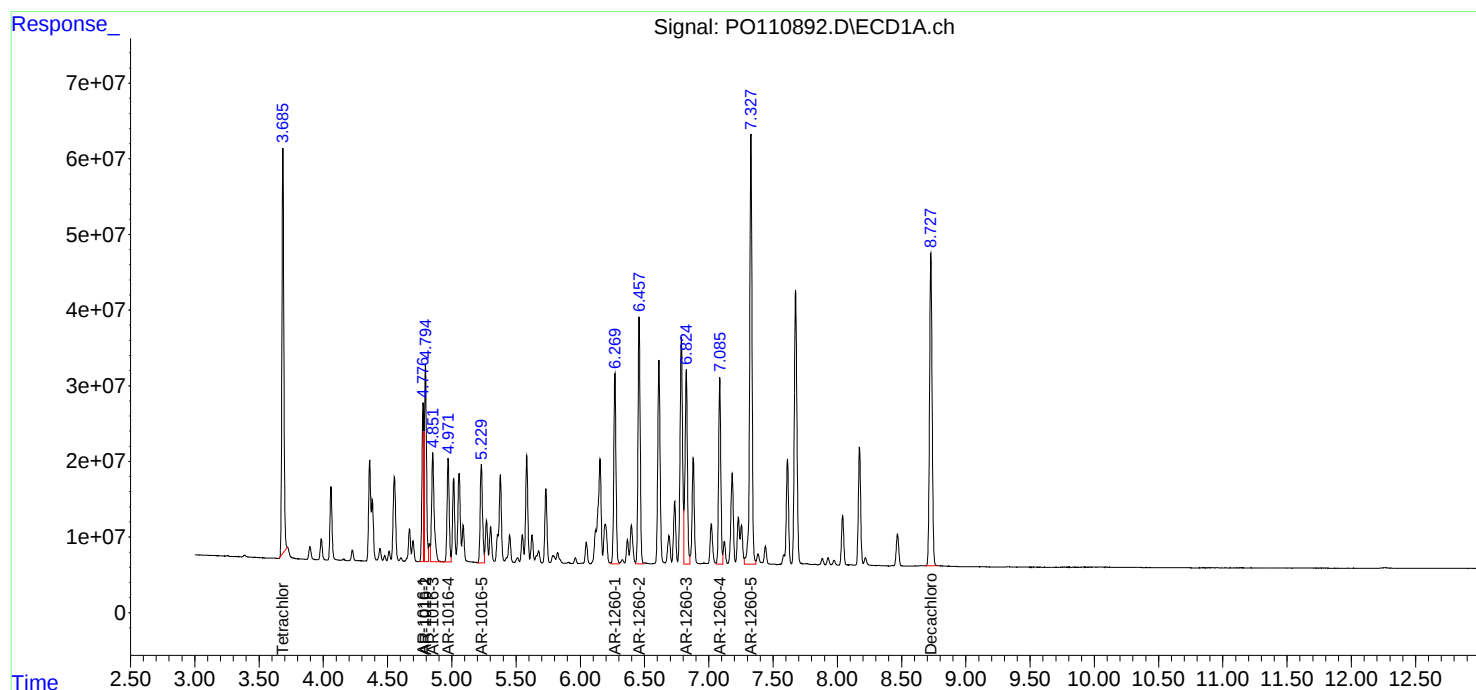
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

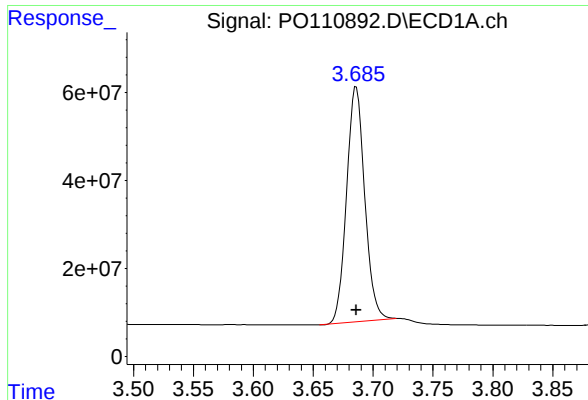
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 09:45
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 10:55:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 10:51:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

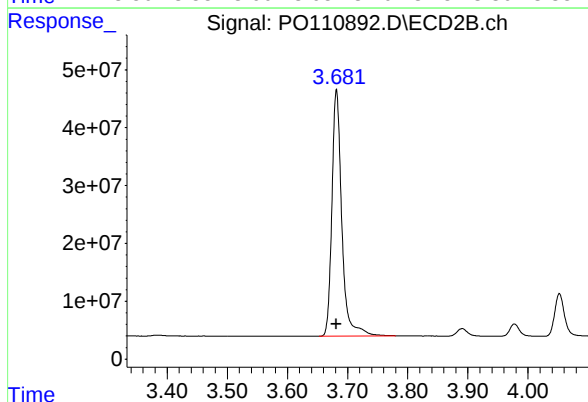




#1 Tetrachloro-m-xylene

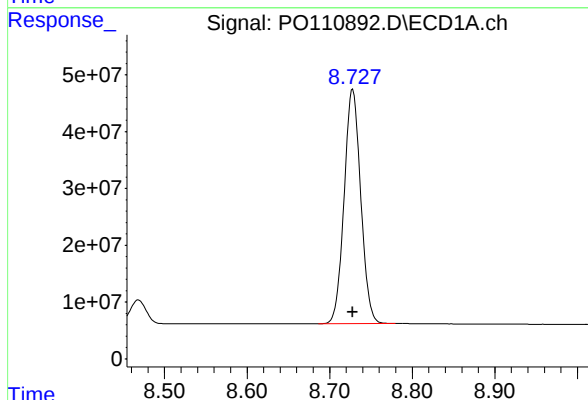
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 564051660
Conc: 98.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



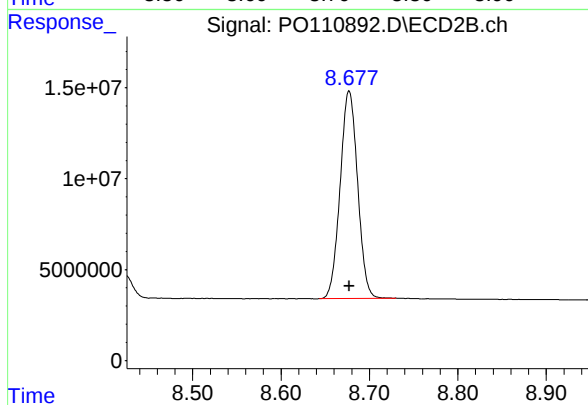
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 487347682
Conc: 99.28 ng/ml



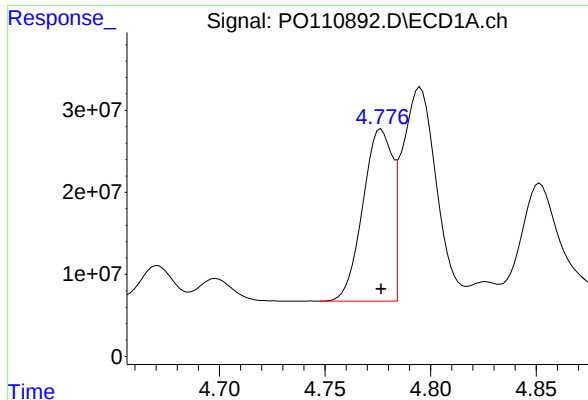
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 576204341
Conc: 96.99 ng/ml



#2 Decachlorobiphenyl

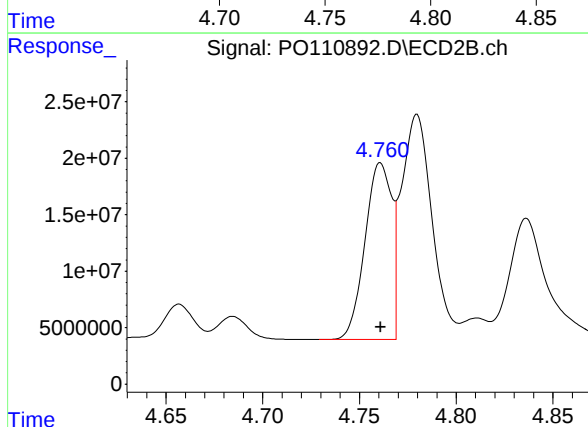
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 156599117
Conc: 96.77 ng/ml



#3 AR-1016-1

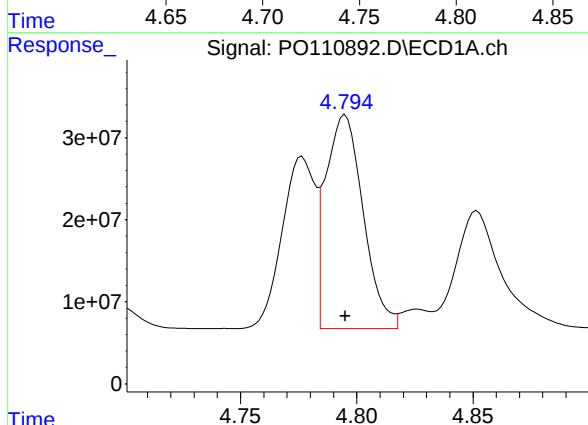
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 205272828
Conc: 965.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



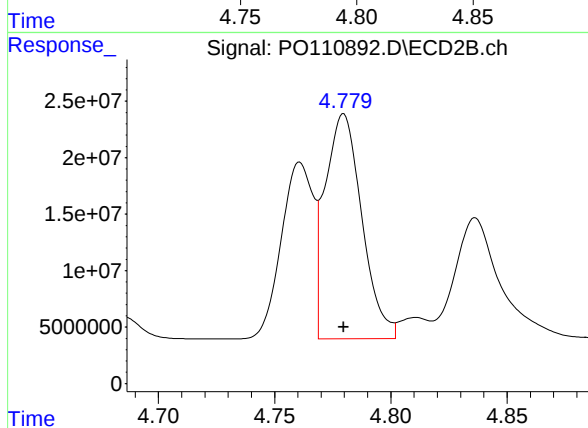
#3 AR-1016-1

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 149864780
Conc: 967.04 ng/ml



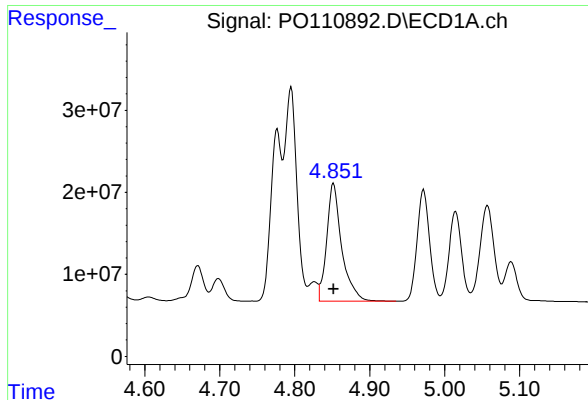
#4 AR-1016-2

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 293649877
Conc: 971.98 ng/ml



#4 AR-1016-2

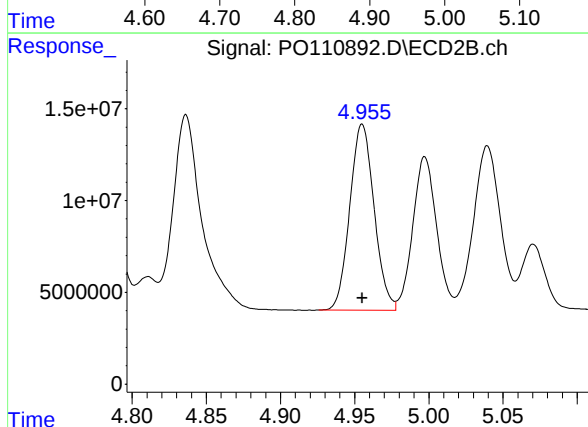
R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 219190287
Conc: 975.44 ng/ml



#5 AR-1016-3

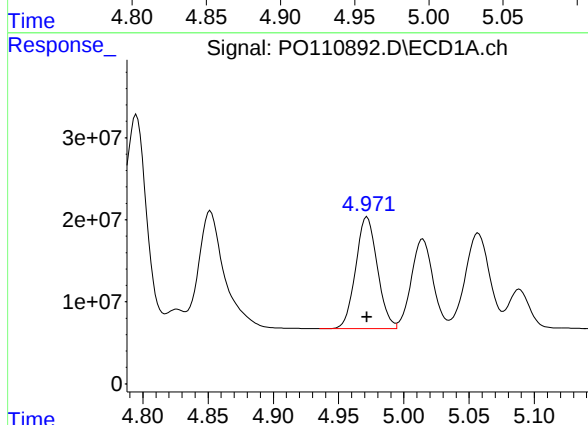
R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 200575527
Conc: 934.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



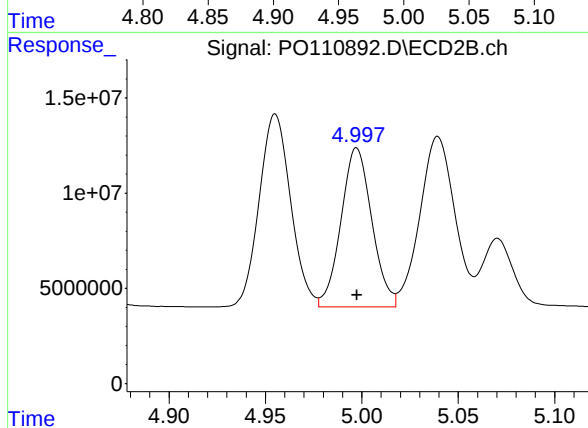
#5 AR-1016-3

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 115546215
Conc: 976.56 ng/ml



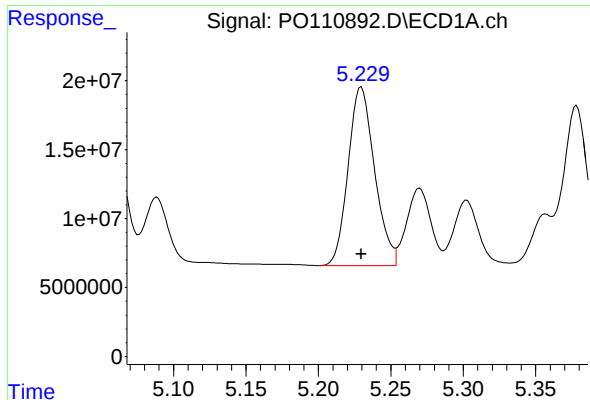
#6 AR-1016-4

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 157876141
Conc: 975.81 ng/ml



#6 AR-1016-4

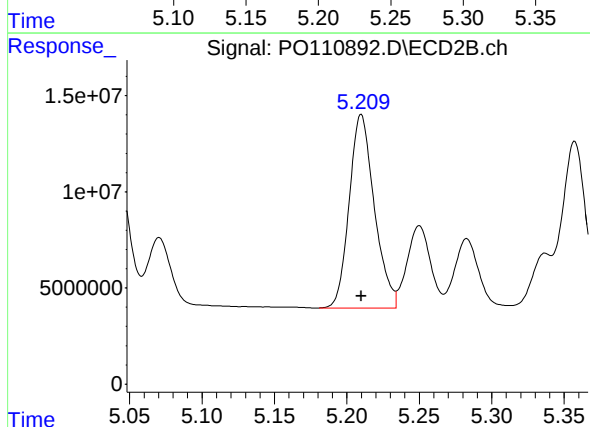
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 93391182
Conc: 971.88 ng/ml



#7 AR-1016-5

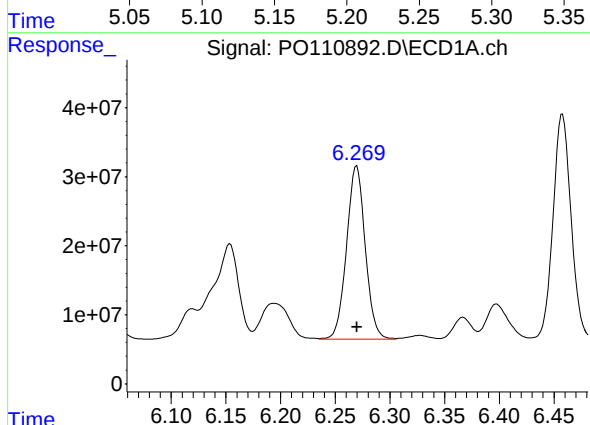
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 165250516
Conc: 968.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



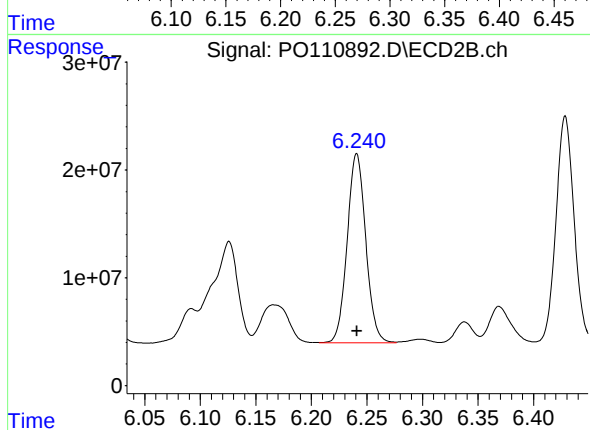
#7 AR-1016-5

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 121423362
Conc: 966.53 ng/ml



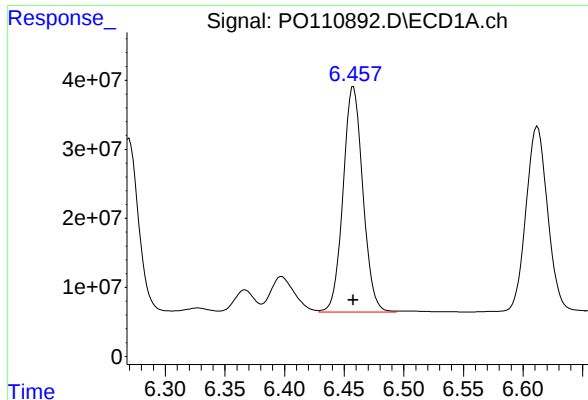
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: 0.000 min
Response: 299528495
Conc: 911.93 ng/ml



#31 AR-1260-1

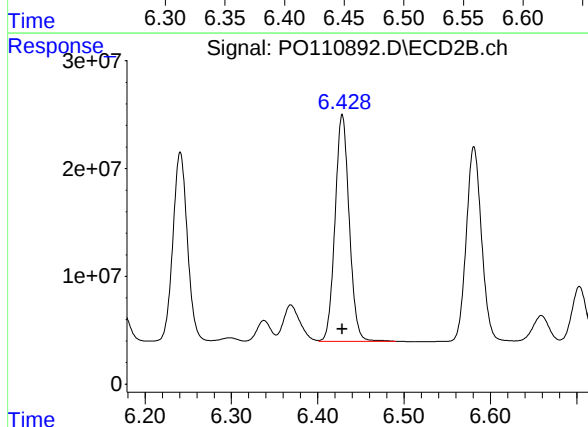
R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 204930694
Conc: 946.93 ng/ml



#32 AR-1260-2

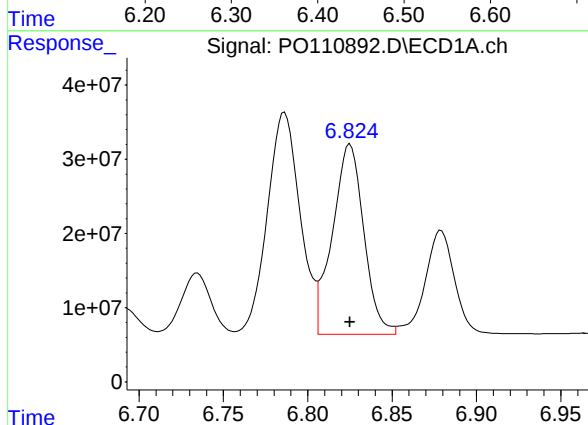
R.T.: 6.458 min
Delta R.T.: 0.000 min
Response: 375796209
Conc: 940.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



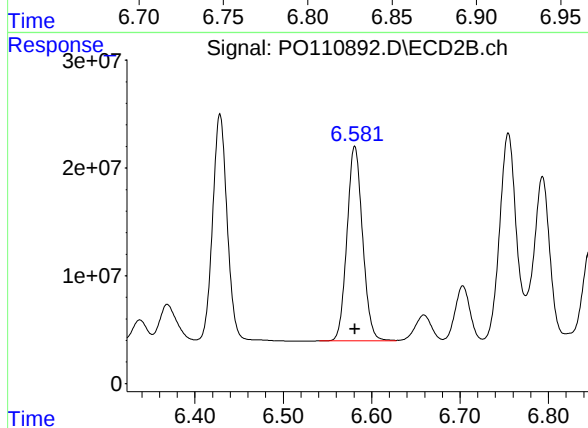
#32 AR-1260-2

R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 239681762
Conc: 957.10 ng/ml



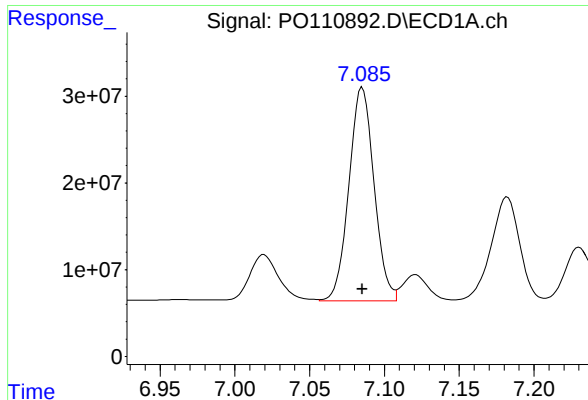
#33 AR-1260-3

R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 331231566
Conc: 974.35 ng/ml



#33 AR-1260-3

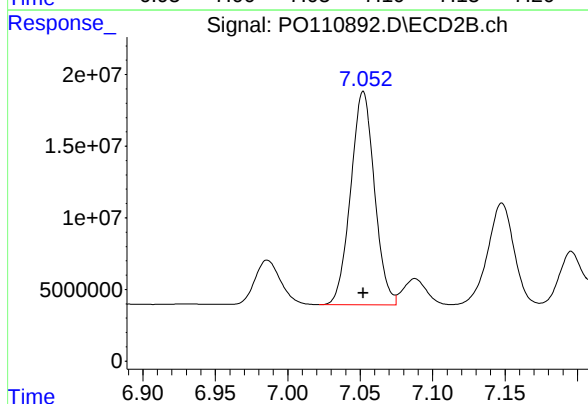
R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 221530151
Conc: 971.66 ng/ml



#34 AR-1260-4

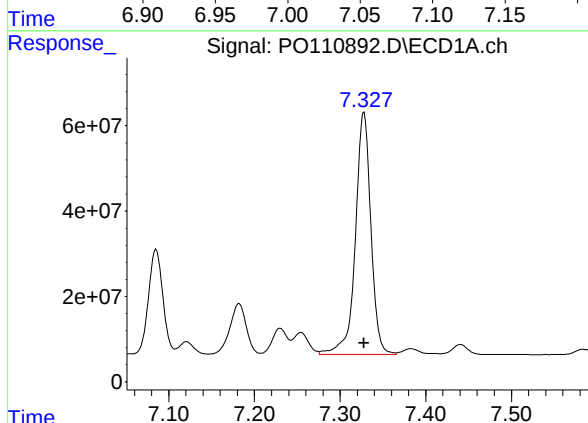
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 287326179
Conc: 965.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



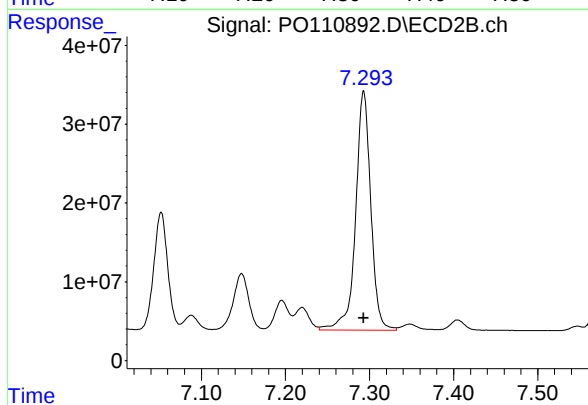
#34 AR-1260-4

R.T.: 7.052 min
Delta R.T.: 0.000 min
Response: 170273922
Conc: 971.49 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 714199547
Conc: 983.08 ng/ml



#35 AR-1260-5

R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 381142655
Conc: 983.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110893.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 10:04
 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: May 02 10:57:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 10:51:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.685	3.681	434.5E6	372.0E6	75.572	75.519
2) SA Decachlor...	8.728	8.677	448.2E6	122.2E6	75.295	75.319
Target Compounds						
3) L1 AR-1016-1	4.776	4.761	162.0E6	116.5E6	757.733	751.193
4) L1 AR-1016-2	4.795	4.780	228.3E6	170.2E6	753.874	754.818
5) L1 AR-1016-3	4.851	4.955	157.3E6	90156704	738.610	757.943
6) L1 AR-1016-4	4.971	4.997	123.4E6	73342132	758.463	758.773
7) L1 AR-1016-5	5.229	5.210	129.6E6	95167362	756.281	755.004
31) L7 AR-1260-1	6.269	6.240	232.7E6	159.5E6	721.879	741.411
32) L7 AR-1260-2	6.458	6.428	289.4E6	186.6E6	732.418	746.684
33) L7 AR-1260-3	6.826	6.580	258.8E6	171.6E6	757.449	751.663
34) L7 AR-1260-4	7.085	7.051	223.9E6	132.0E6	751.633	752.029
35) L7 AR-1260-5	7.328	7.293	549.7E6	292.8E6	754.452	753.492

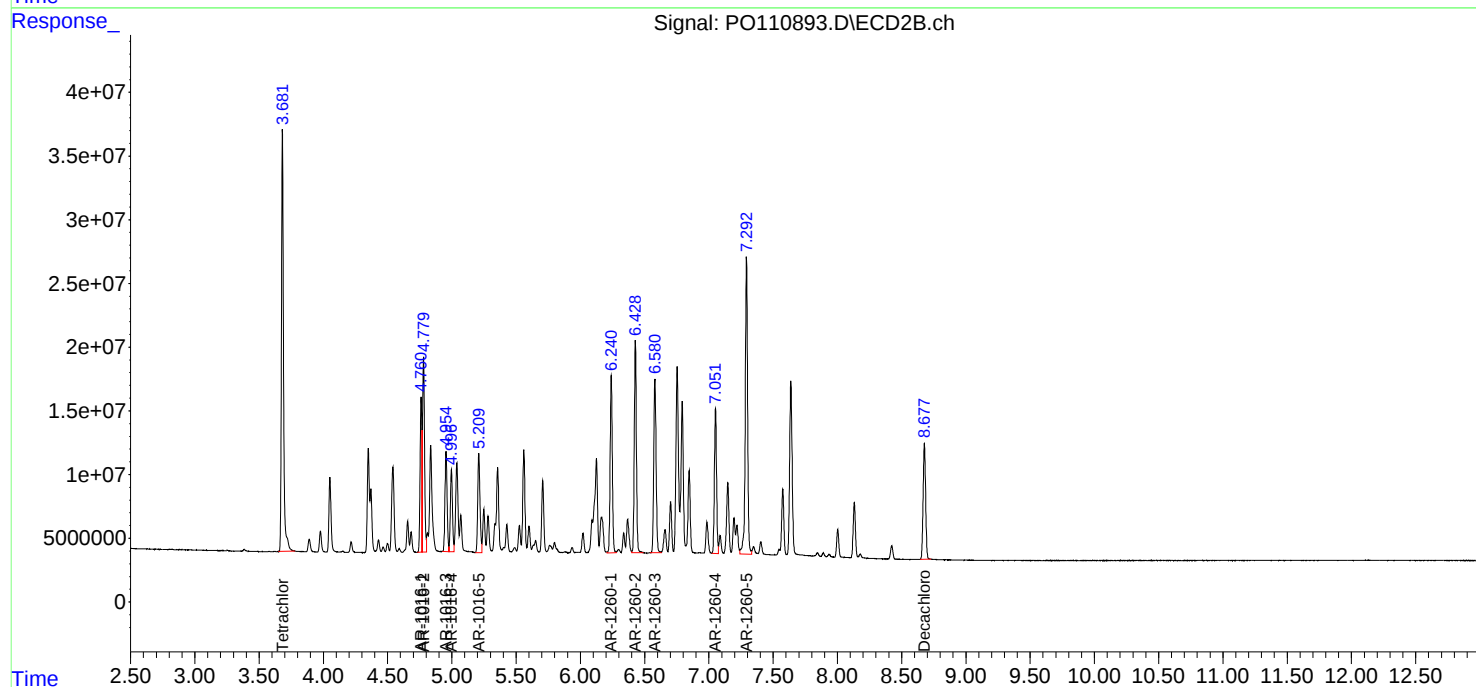
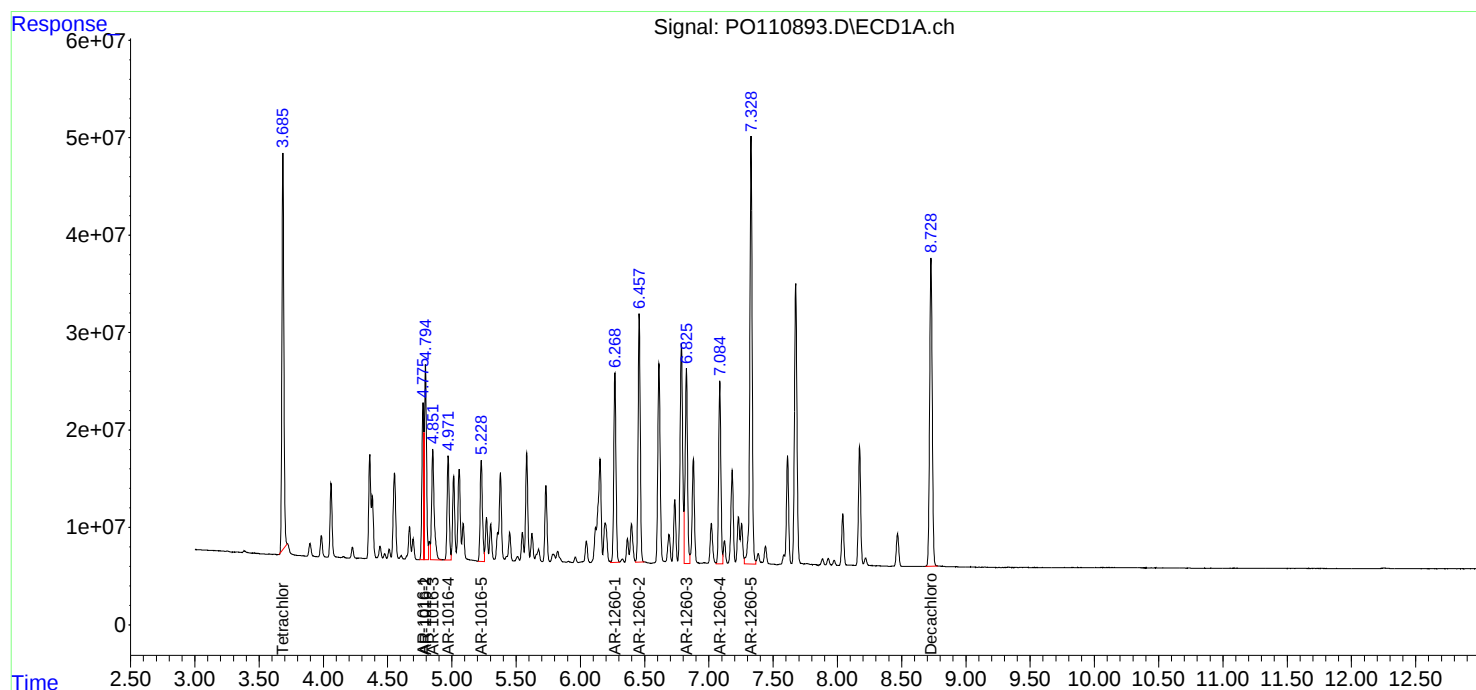
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

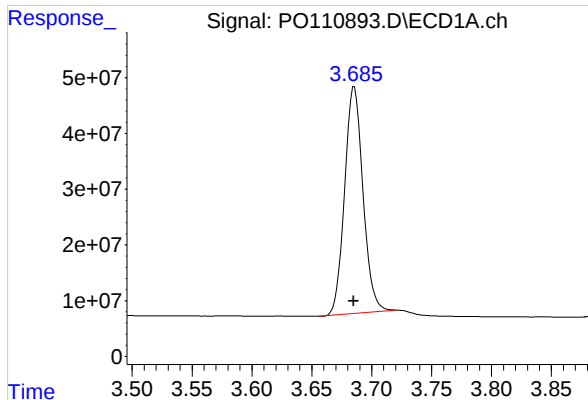
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:04
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 10:57:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 10:51:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

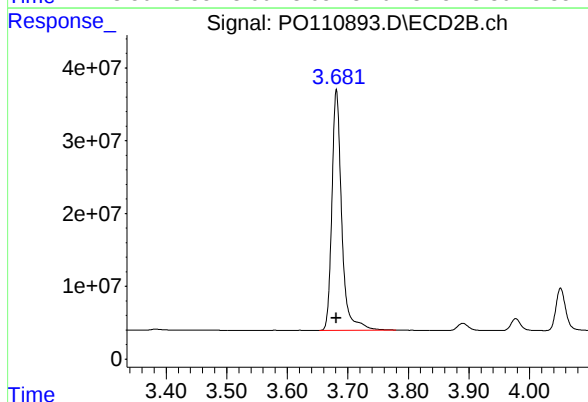




#1 Tetrachloro-m-xylene

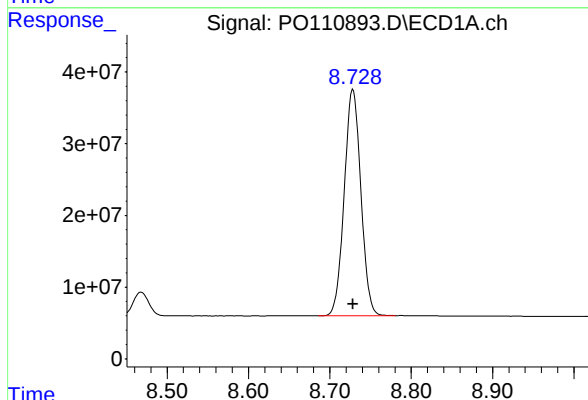
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 434481757
Conc: 75.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



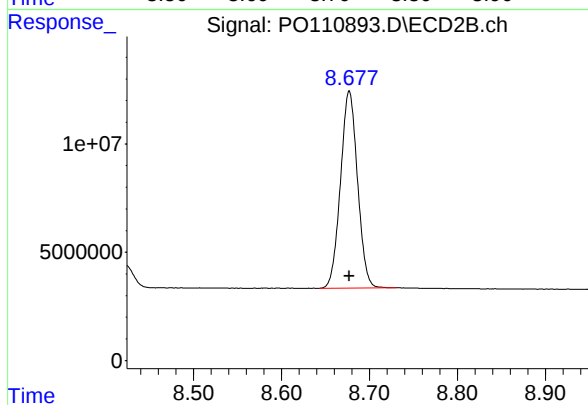
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 371976917
Conc: 75.52 ng/ml



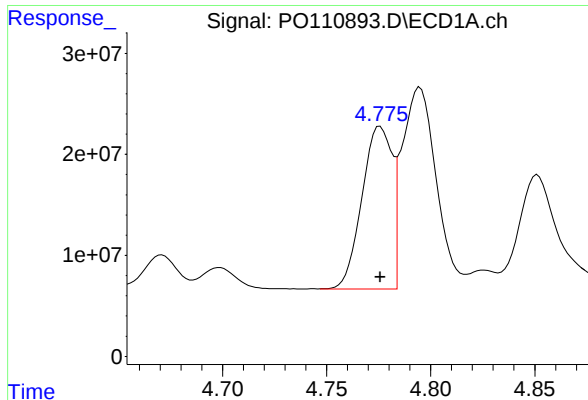
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 448201432
Conc: 75.29 ng/ml



#2 Decachlorobiphenyl

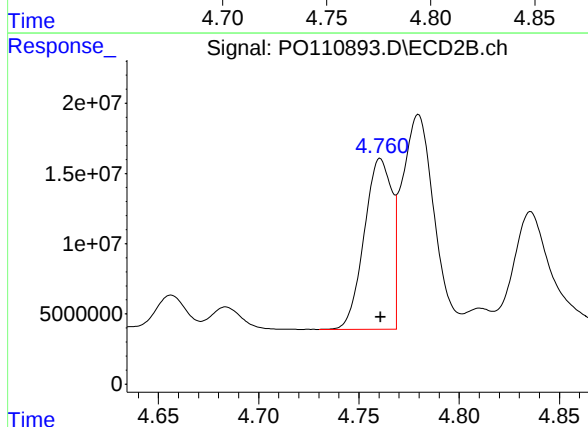
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 122152077
Conc: 75.32 ng/ml



#3 AR-1016-1

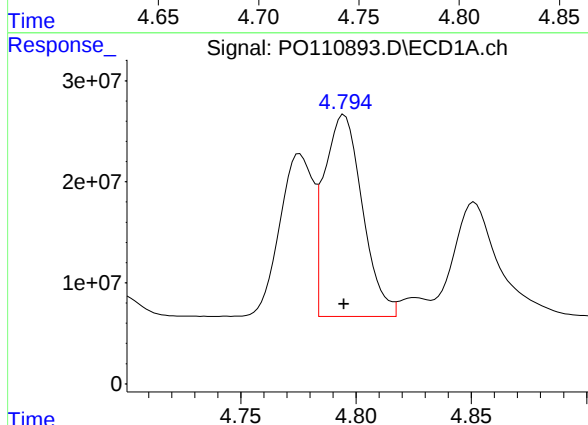
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 161987269
Conc: 757.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



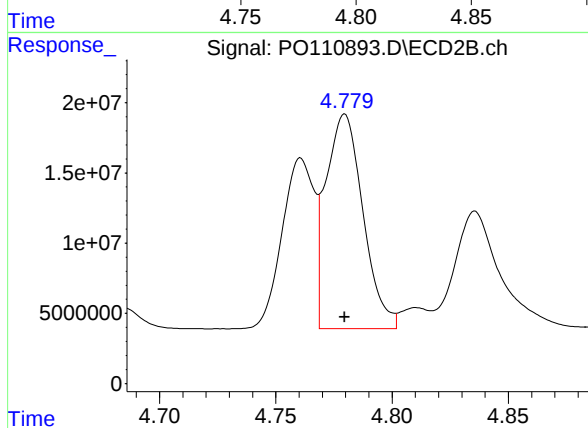
#3 AR-1016-1

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 116506621
Conc: 751.19 ng/ml



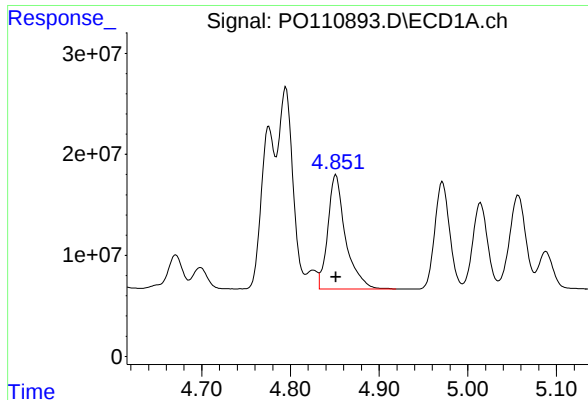
#4 AR-1016-2

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 228345877
Conc: 753.87 ng/ml



#4 AR-1016-2

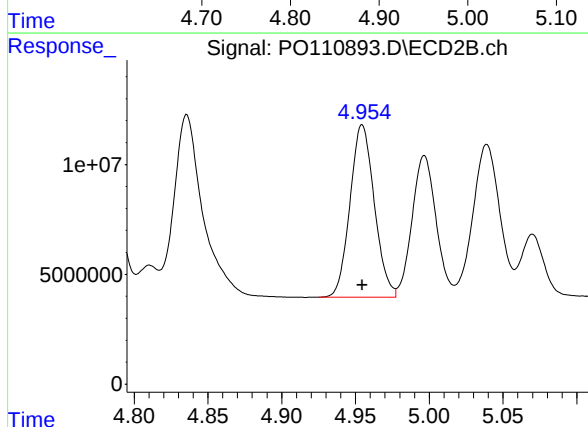
R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 170161194
Conc: 754.82 ng/ml



#5 AR-1016-3

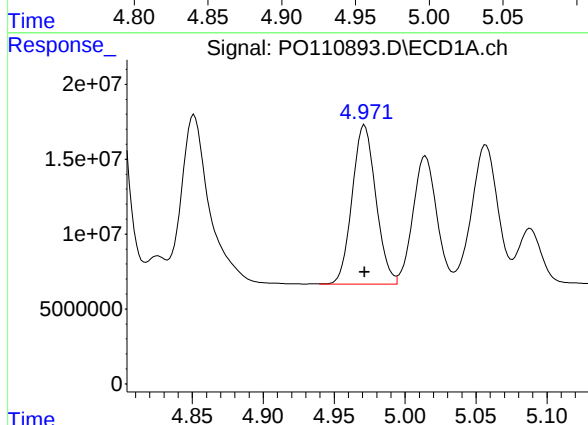
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 157344140
Conc: 738.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



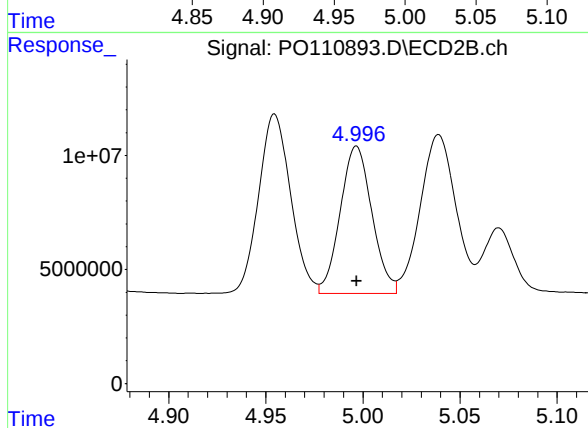
#5 AR-1016-3

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 90156704
Conc: 757.94 ng/ml



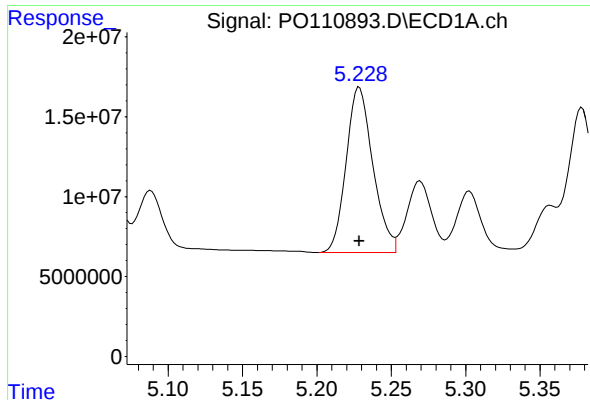
#6 AR-1016-4

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 123407682
Conc: 758.46 ng/ml



#6 AR-1016-4

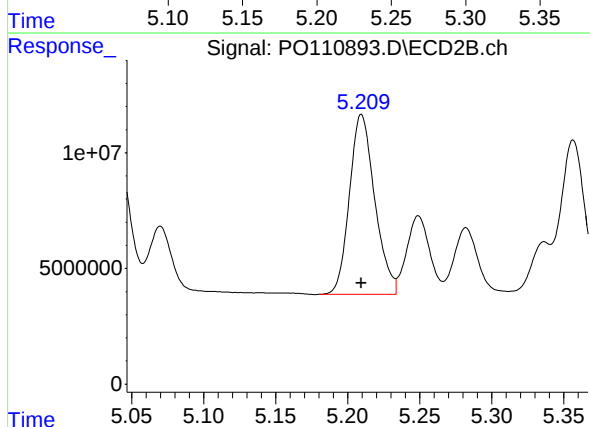
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 73342132
Conc: 758.77 ng/ml



#7 AR-1016-5

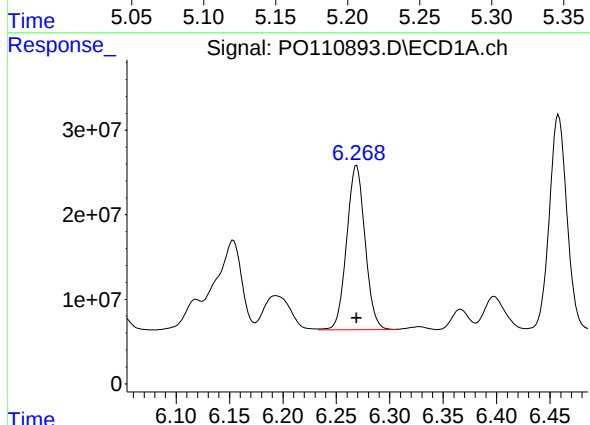
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 129589667
Conc: 756.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



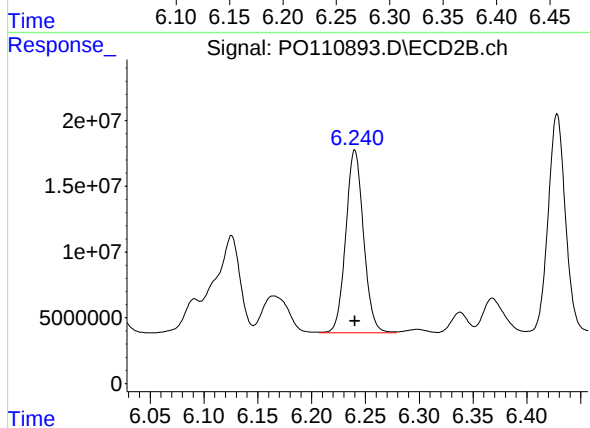
#7 AR-1016-5

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 95167362
Conc: 755.00 ng/ml



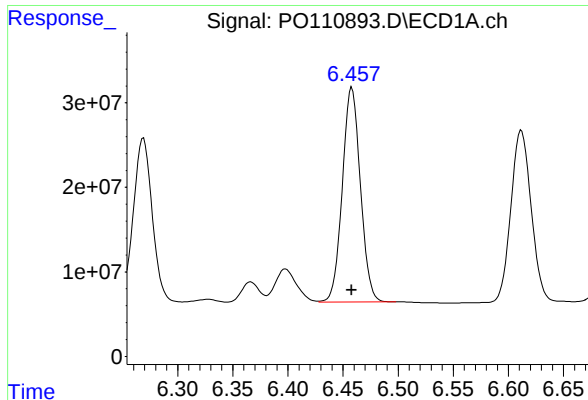
#31 AR-1260-1

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 232741131
Conc: 721.88 ng/ml



#31 AR-1260-1

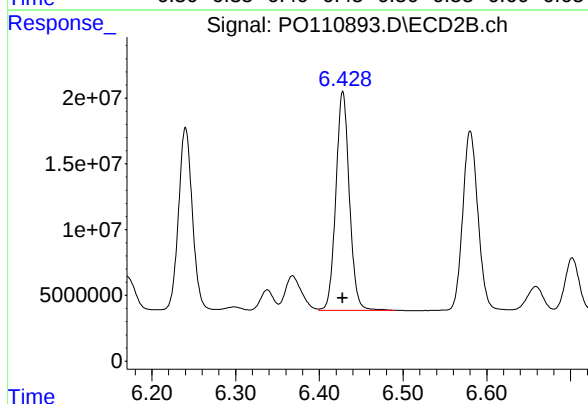
R.T.: 6.240 min
Delta R.T.: 0.000 min
Response: 159538866
Conc: 741.41 ng/ml



#32 AR-1260-2

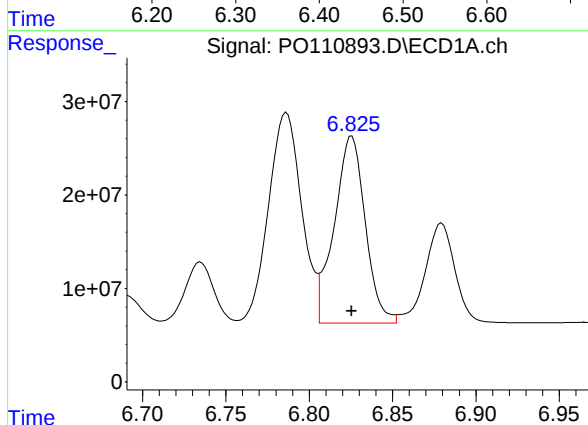
R.T.: 6.458 min
Delta R.T.: 0.000 min
Response: 289395526
Conc: 732.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



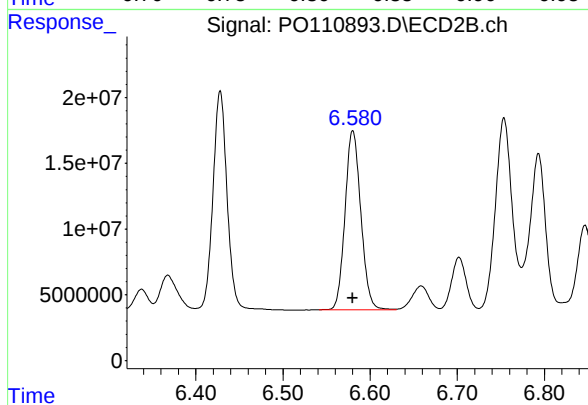
#32 AR-1260-2

R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 186575247
Conc: 746.68 ng/ml



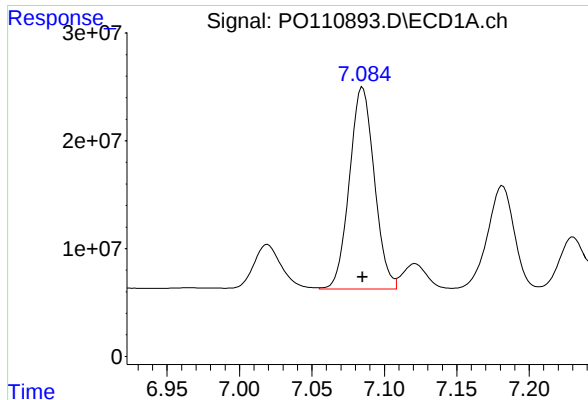
#33 AR-1260-3

R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 258781835
Conc: 757.45 ng/ml



#33 AR-1260-3

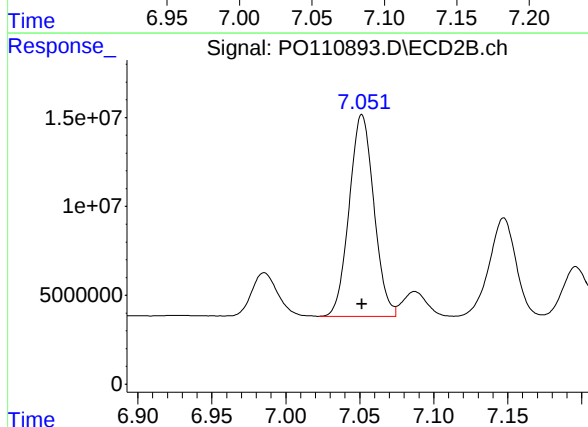
R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 171563326
Conc: 751.66 ng/ml



#34 AR-1260-4

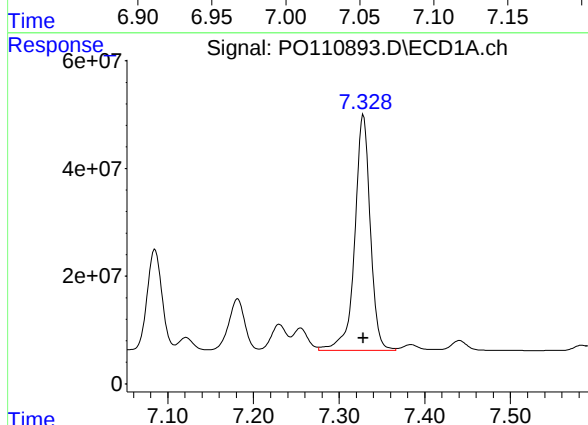
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 223894572
Conc: 751.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



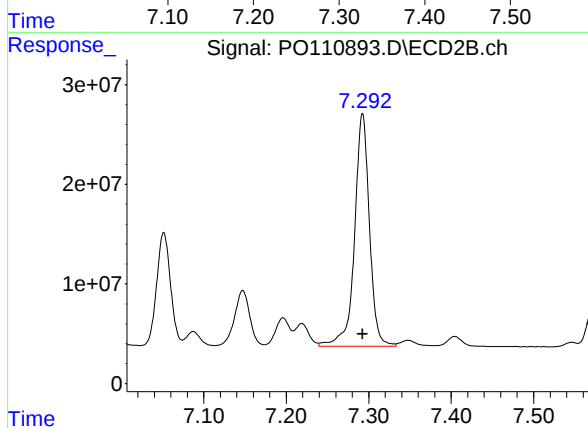
#34 AR-1260-4

R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 131986823
Conc: 752.03 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 549735947
Conc: 754.45 ng/ml



#35 AR-1260-5

R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 292765216
Conc: 753.49 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 10:21
 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: May 02 10:52:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 10:51:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	290.7E6	247.2E6	50.000	50.000
2) SA Decachlor...	8.725	8.676	306.0E6	83533915	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	4.773	4.760	110.0E6	80039630	500.000	500.000
4) L1 AR-1016-2	4.792	4.779	155.3E6	115.1E6	500.000	500.000
5) L1 AR-1016-3	4.848	4.954	114.4E6	60546293	500.000	500.000
6) L1 AR-1016-4	4.968	4.996	82851503	49397949	500.000	500.000
7) L1 AR-1016-5	5.225	5.209	88008307	64916584	500.000	500.000
31) L7 AR-1260-1	6.265	6.239	178.7E6	113.9E6	500.000	500.000
32) L7 AR-1260-2	6.455	6.427	211.9E6	130.6E6	500.000	500.000
33) L7 AR-1260-3	6.822	6.580	174.3E6	117.2E6	500.000	500.000
34) L7 AR-1260-4	7.082	7.050	153.9E6	90133353	500.000	500.000
35) L7 AR-1260-5	7.325	7.292	369.4E6	197.1E6	500.000	500.000

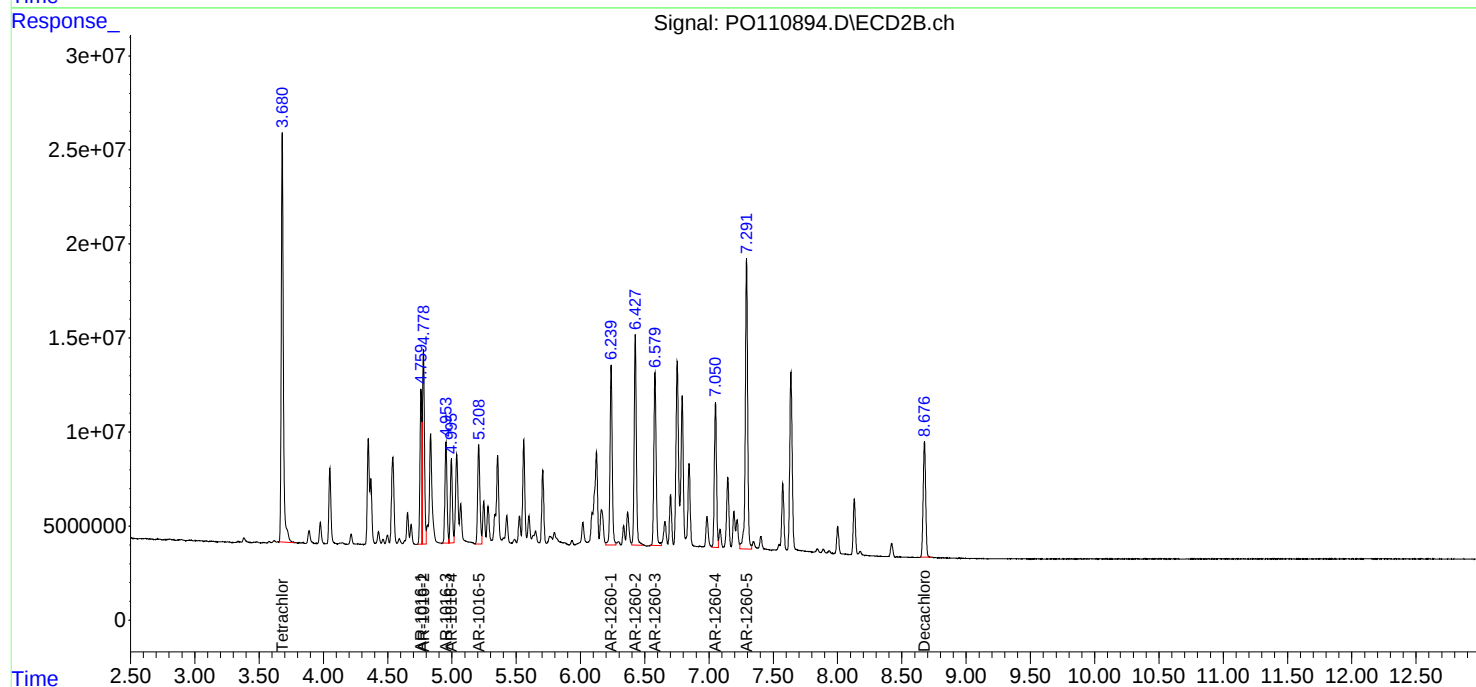
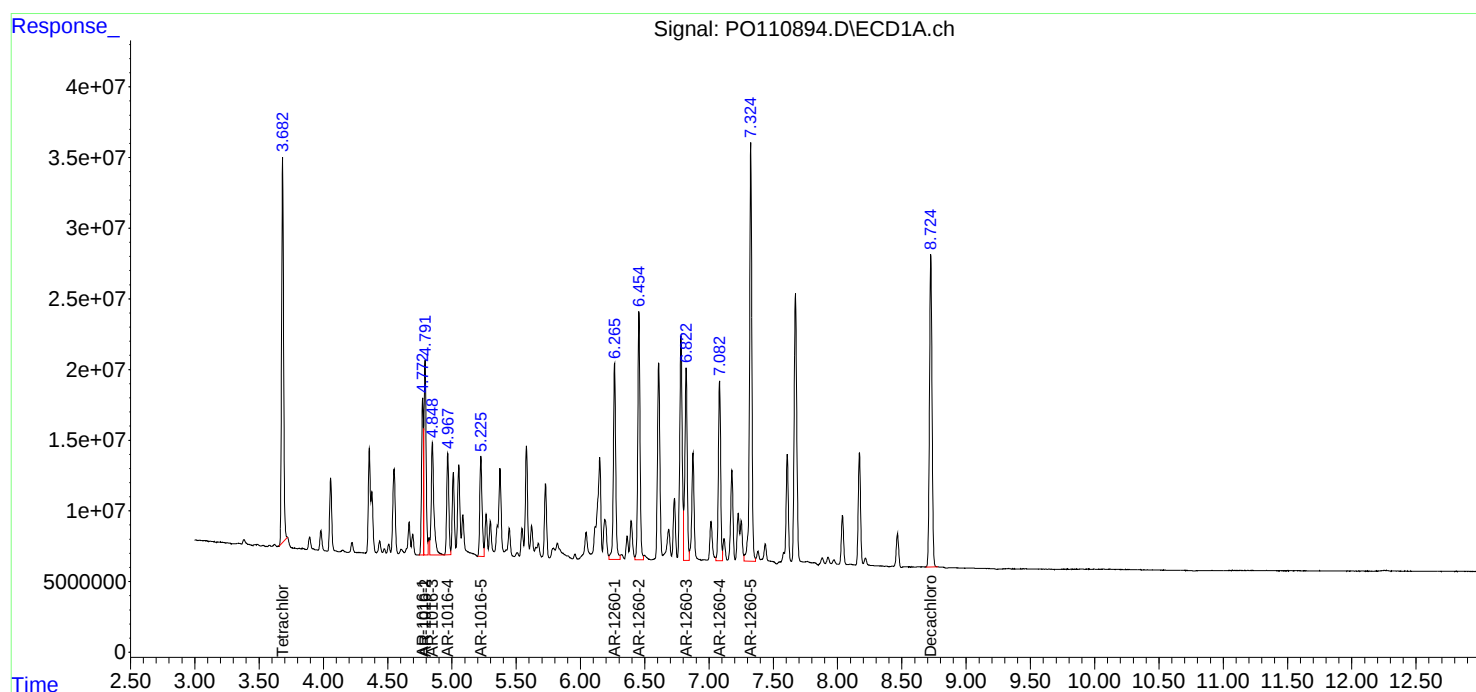
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

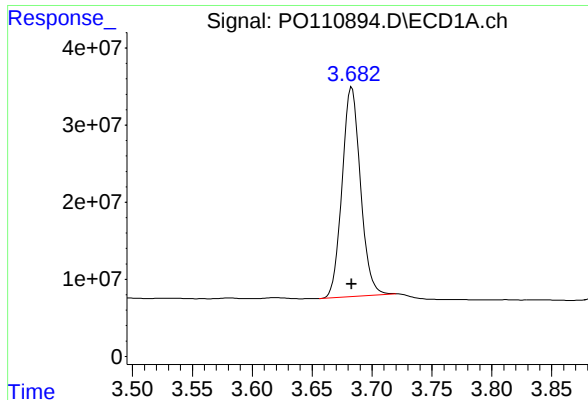
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:21
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 10:52:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 10:51:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

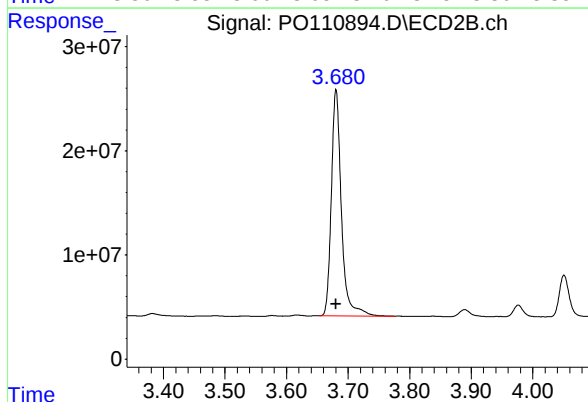




#1 Tetrachloro-m-xylene

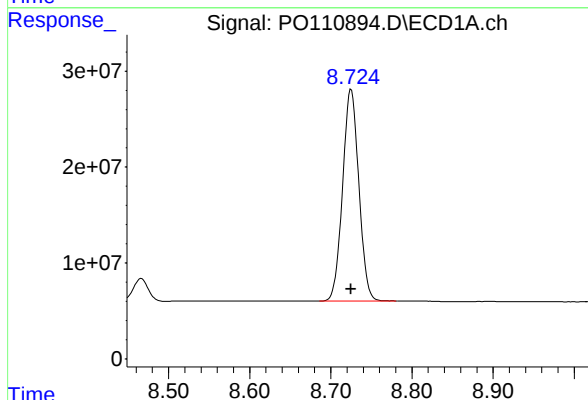
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 290702474
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



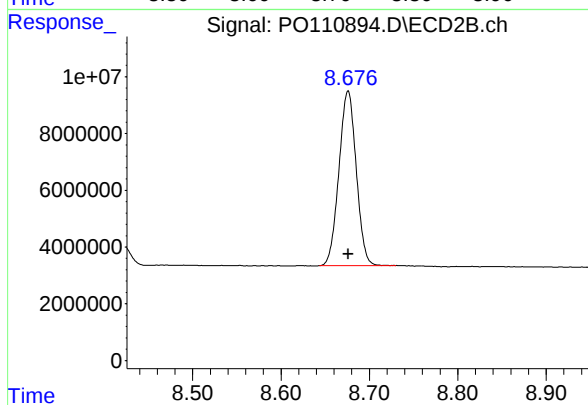
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 247186500
Conc: 50.00 ng/ml



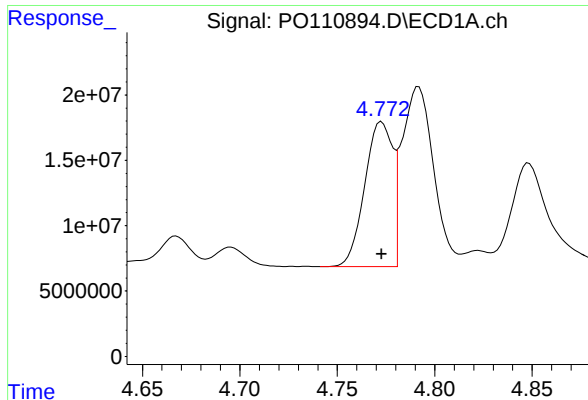
#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 305990986
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

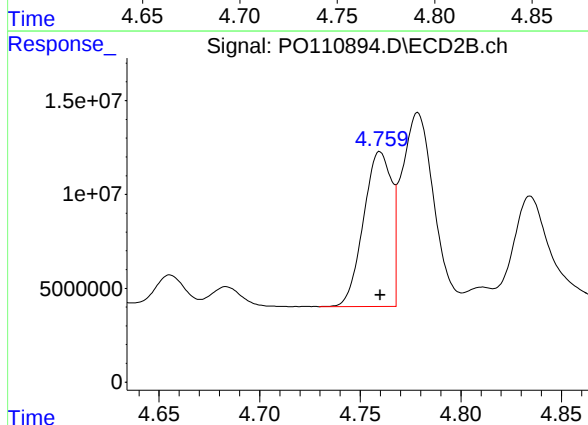
R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 83533915
Conc: 50.00 ng/ml



#3 AR-1016-1

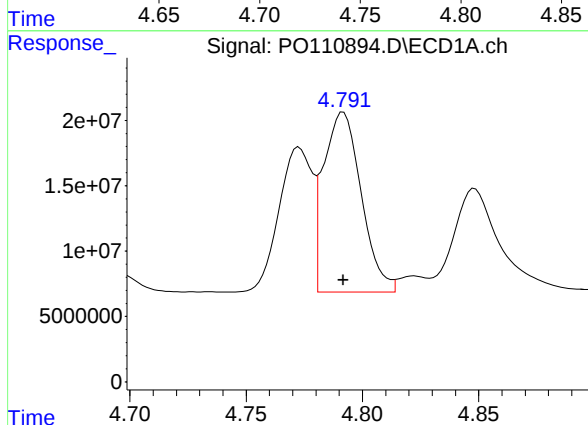
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 110040414
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



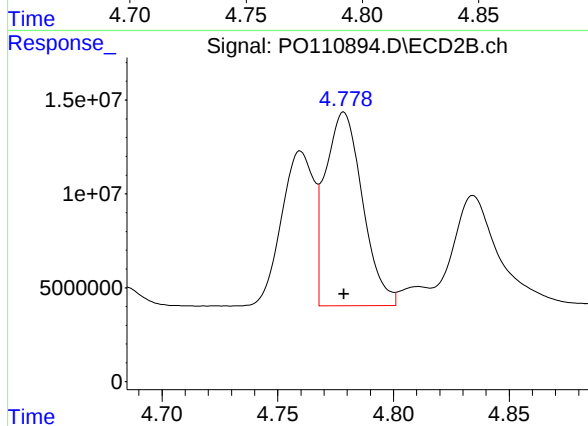
#3 AR-1016-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 80039630
Conc: 500.00 ng/ml



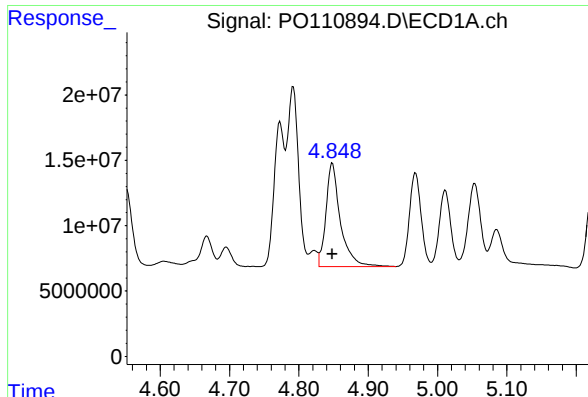
#4 AR-1016-2

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 155289301
Conc: 500.00 ng/ml



#4 AR-1016-2

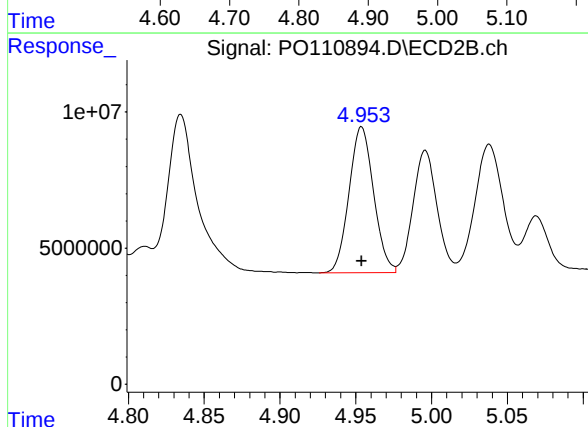
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 115114006
Conc: 500.00 ng/ml



#5 AR-1016-3

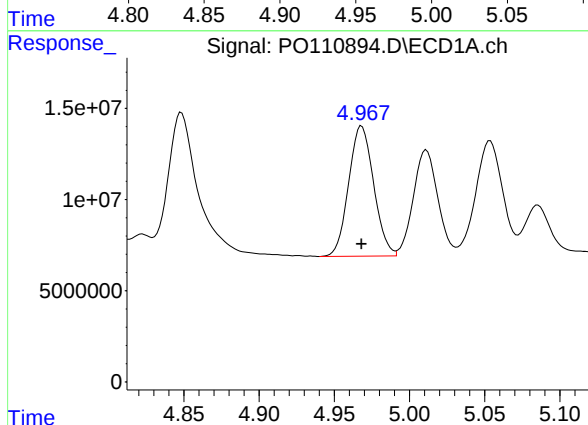
R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 114357359
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



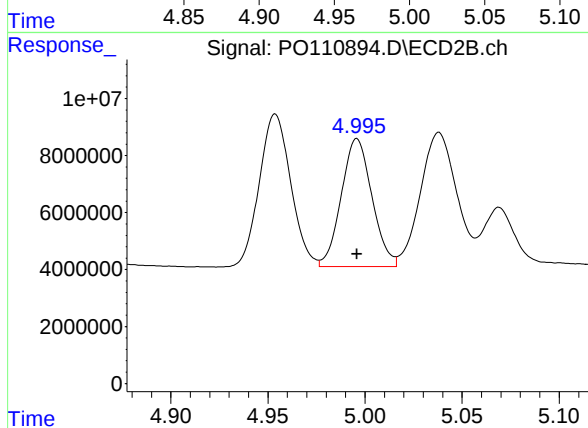
#5 AR-1016-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 60546293
Conc: 500.00 ng/ml



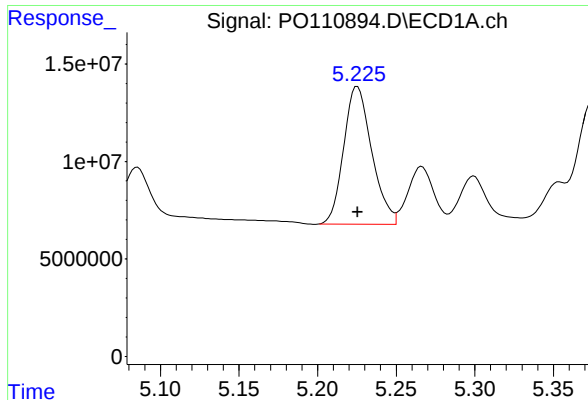
#6 AR-1016-4

R.T.: 4.968 min
Delta R.T.: 0.000 min
Response: 82851503
Conc: 500.00 ng/ml



#6 AR-1016-4

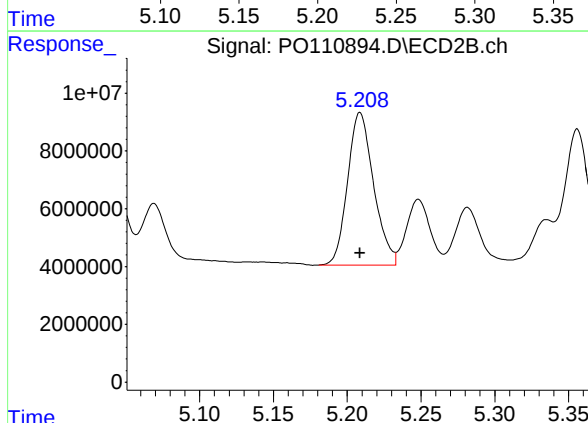
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 49397949
Conc: 500.00 ng/ml



#7 AR-1016-5

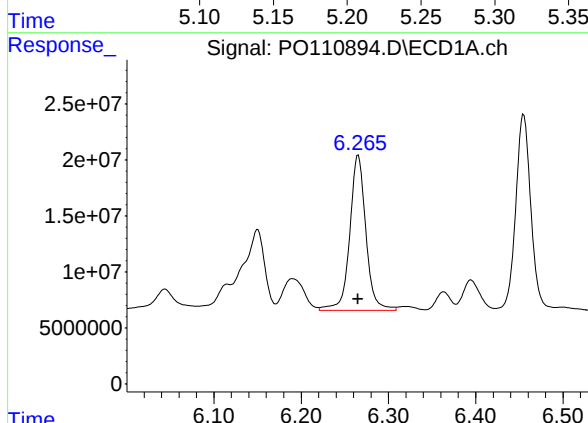
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 88008307
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



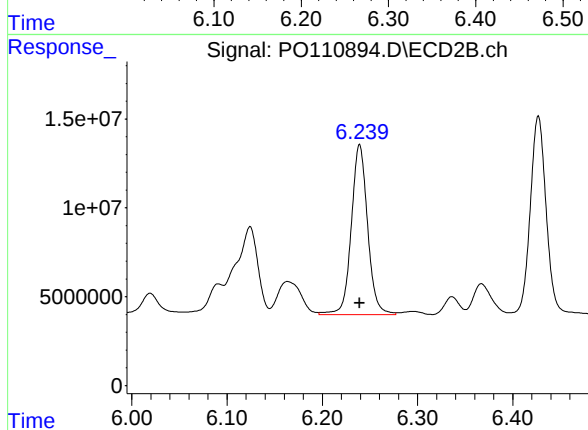
#7 AR-1016-5

R.T.: 5.209 min
Delta R.T.: 0.000 min
Response: 64916584
Conc: 500.00 ng/ml



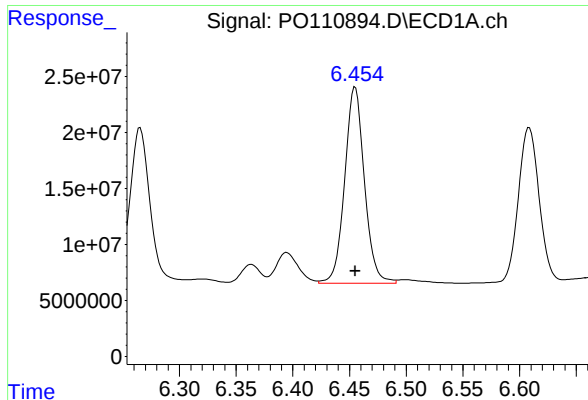
#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 178690485
Conc: 500.00 ng/ml



#31 AR-1260-1

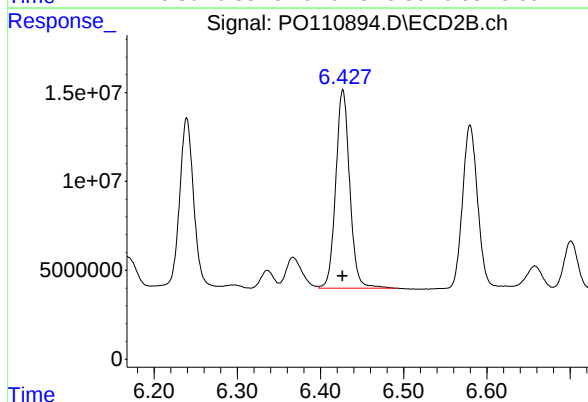
R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 113949595
Conc: 500.00 ng/ml



#32 AR-1260-2

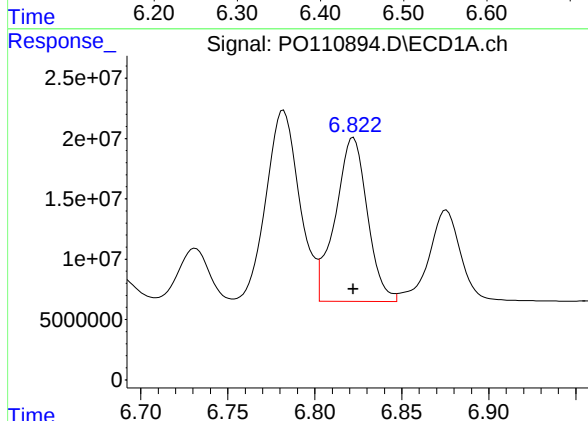
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 211856918
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



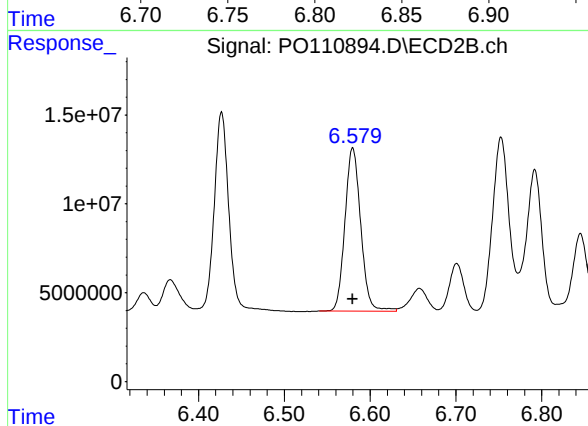
#32 AR-1260-2

R.T.: 6.427 min
Delta R.T.: 0.000 min
Response: 130583256
Conc: 500.00 ng/ml



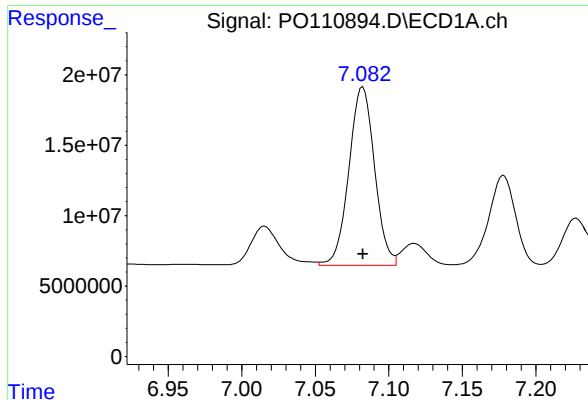
#33 AR-1260-3

R.T.: 6.822 min
Delta R.T.: 0.000 min
Response: 174336838
Conc: 500.00 ng/ml



#33 AR-1260-3

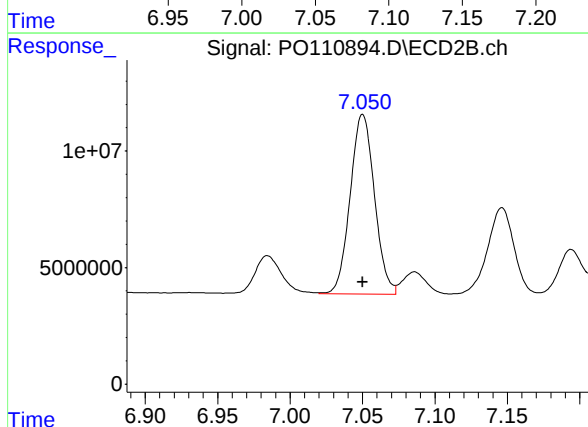
R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 117226891
Conc: 500.00 ng/ml



#34 AR-1260-4

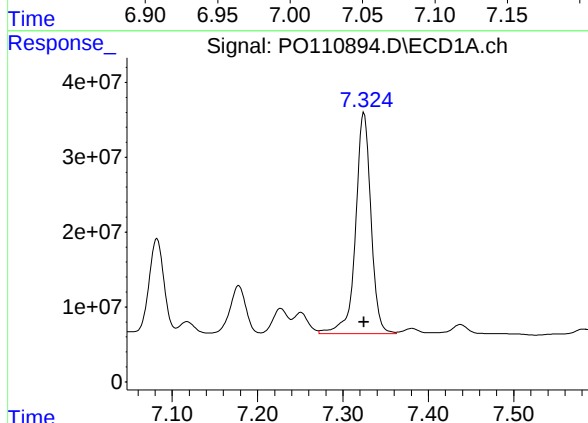
R.T.: 7.082 min
Delta R.T.: 0.000 min
Response: 153890346
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



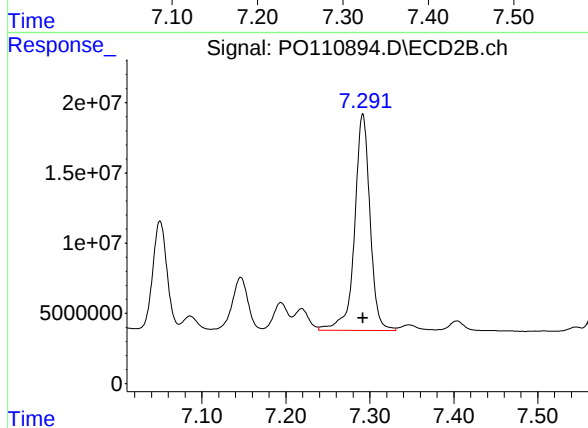
#34 AR-1260-4

R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 90133353
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 369393274
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.292 min
Delta R.T.: 0.000 min
Response: 197068910
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110895.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 10:39
 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: May 02 11:00:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 10:51:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.686	3.681	149.5E6	126.3E6	25.744	25.484
2)	SA Decachlor...	8.729	8.678	163.4E6	45501076	26.792	27.224
Target Compounds							
3)	L1 AR-1016-1	4.776	4.761	58989772	42327978	268.962	266.802
4)	L1 AR-1016-2	4.795	4.779	83243290	60769650	268.167	264.394
5)	L1 AR-1016-3	4.852	4.955	57167513	32380640	263.520	266.304
6)	L1 AR-1016-4	4.972	4.997	45119055	27285455	269.932	273.457
7)	L1 AR-1016-5	5.229	5.210	46993259	34705806	267.758	268.533
31)	L7 AR-1260-1	6.269	6.241	86249959	57924014	262.911	264.118
32)	L7 AR-1260-2	6.458	6.428	108.2E6	67925156	267.448	266.030
33)	L7 AR-1260-3	6.826	6.581	95186843	61005167	270.861	262.739
34)	L7 AR-1260-4	7.085	7.052	81673543	48096671	267.710	267.609
35)	L7 AR-1260-5	7.328	7.293	192.5E6	103.4E6	260.491	261.890

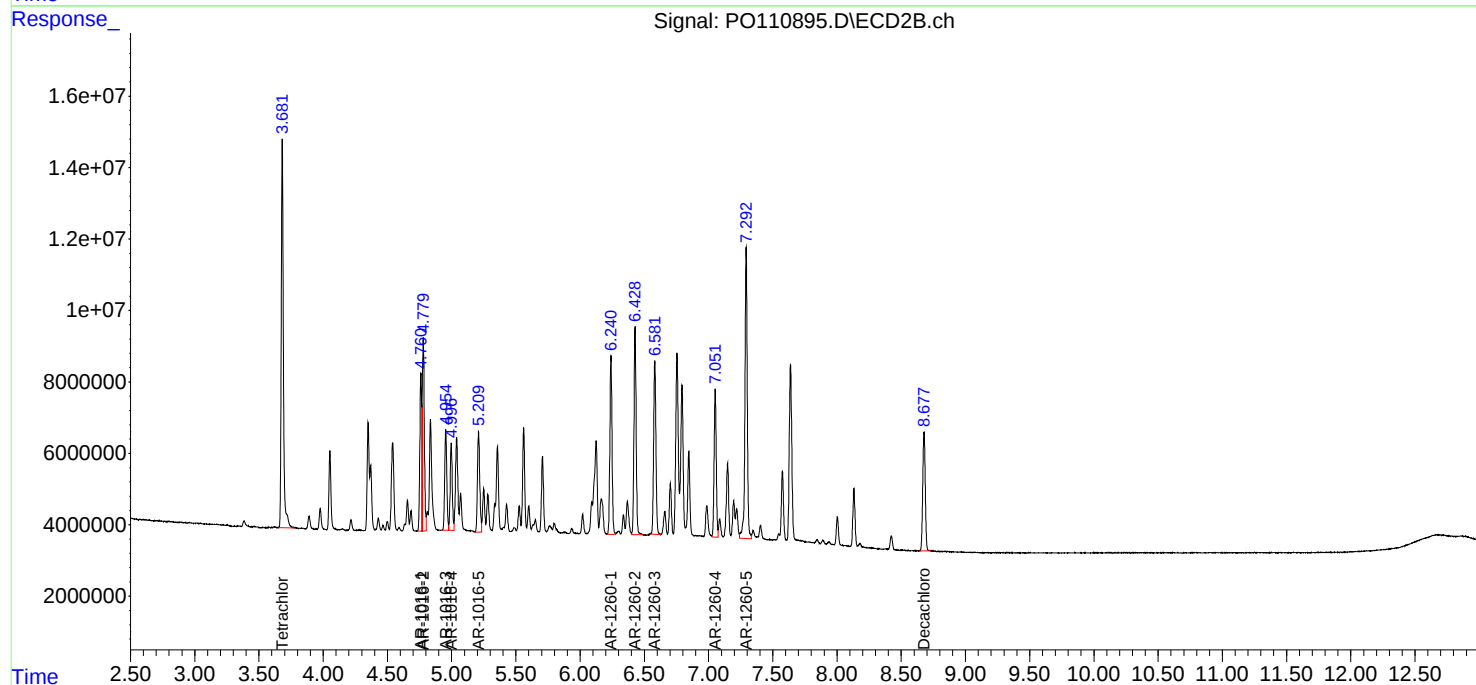
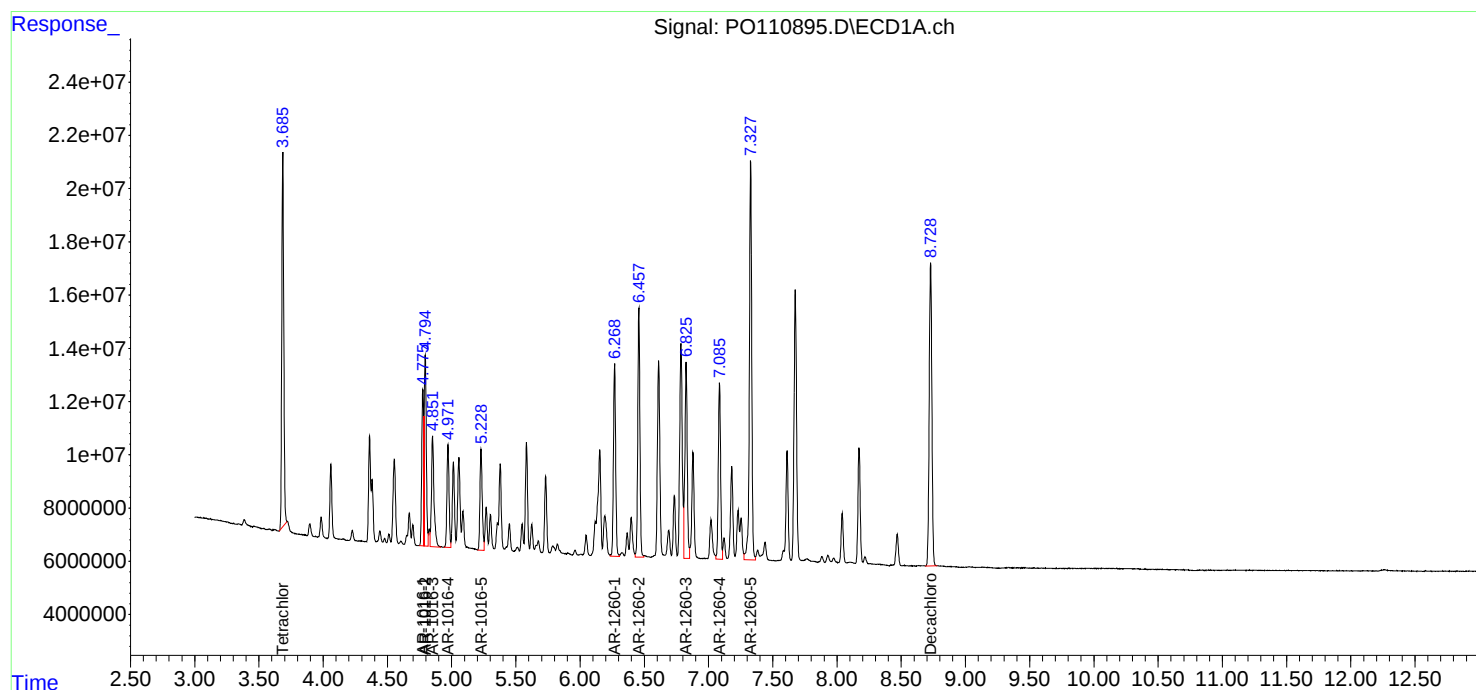
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

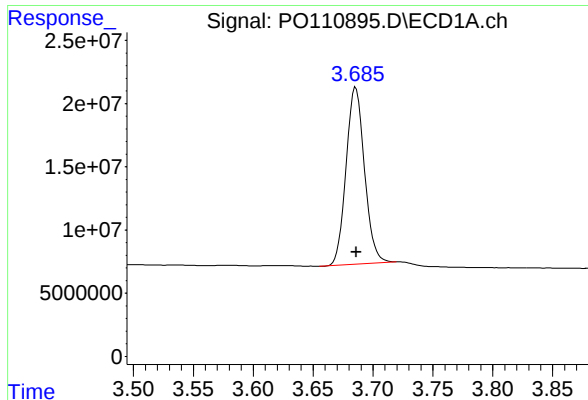
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:39
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 11:00:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 10:51:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

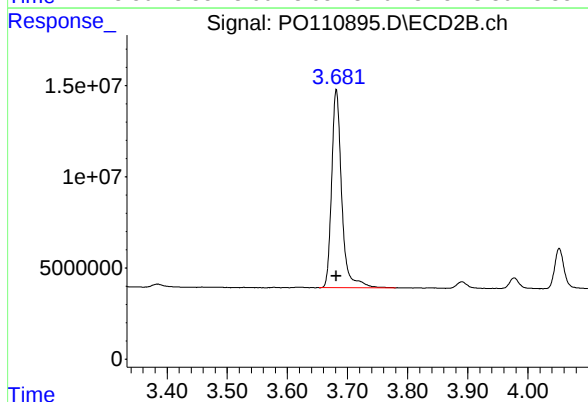




#1 Tetrachloro-m-xylene

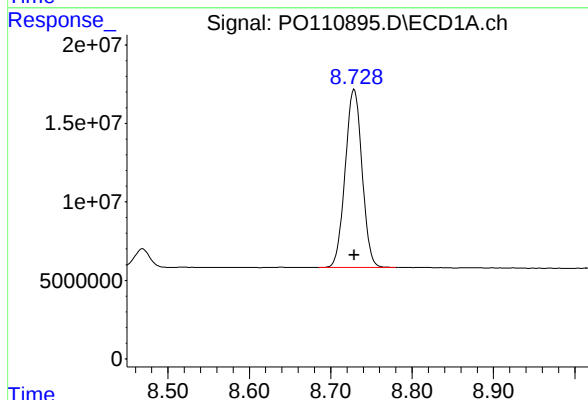
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 149490429
Conc: 25.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



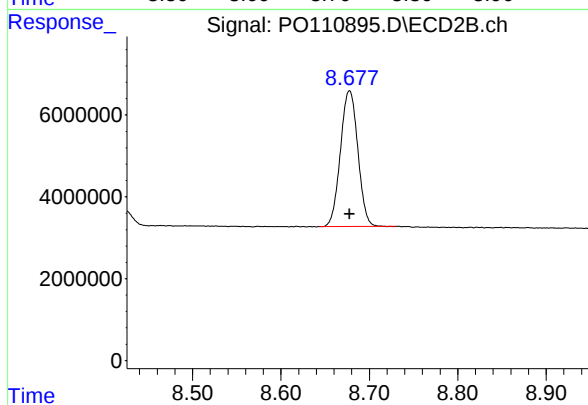
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 126339186
Conc: 25.48 ng/ml



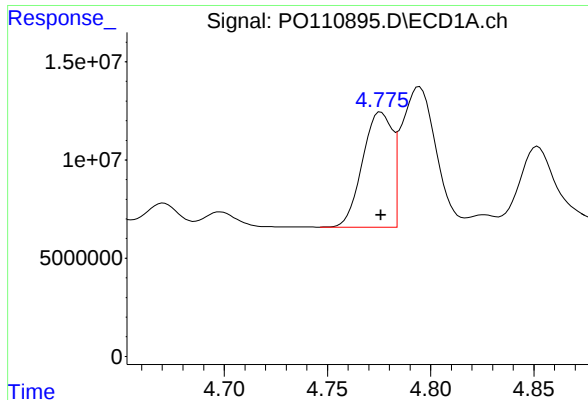
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 163383916
Conc: 26.79 ng/ml



#2 Decachlorobiphenyl

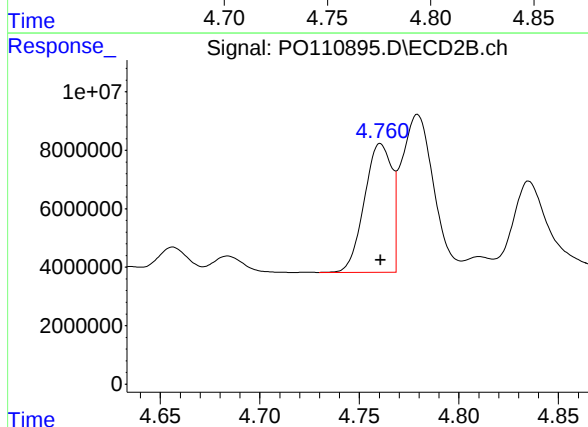
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 45501076
Conc: 27.22 ng/ml



#3 AR-1016-1

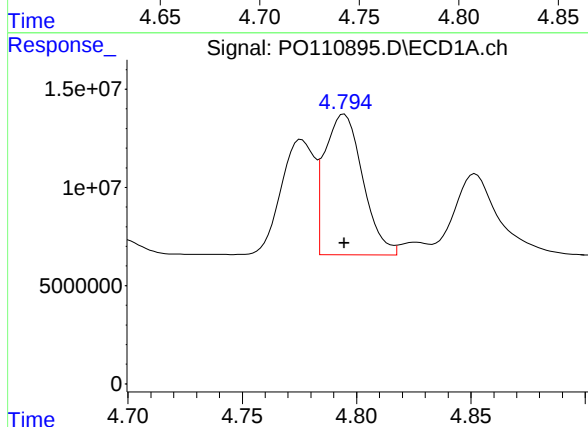
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 58989772
Conc: 268.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



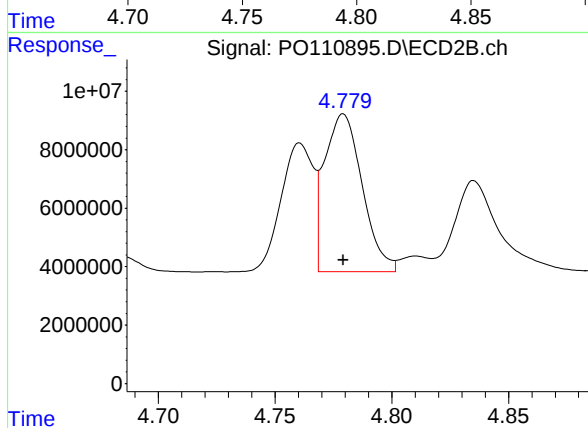
#3 AR-1016-1

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 42327978
Conc: 266.80 ng/ml



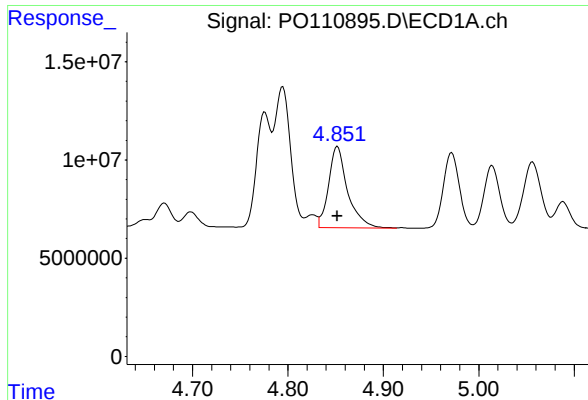
#4 AR-1016-2

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 83243290
Conc: 268.17 ng/ml



#4 AR-1016-2

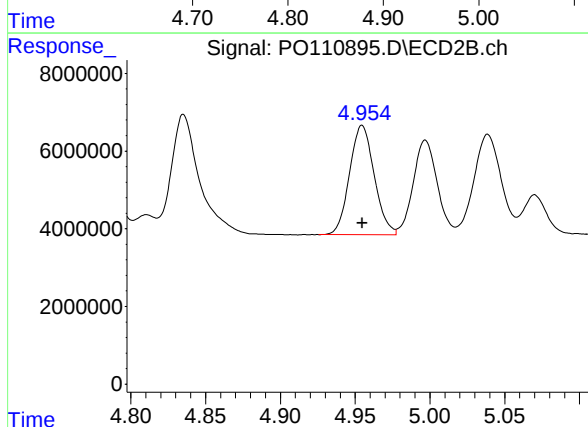
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 60769650
Conc: 264.39 ng/ml



#5 AR-1016-3

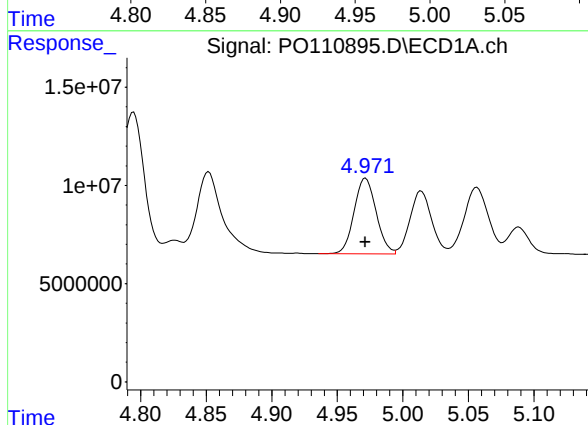
R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 57167513
Conc: 263.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



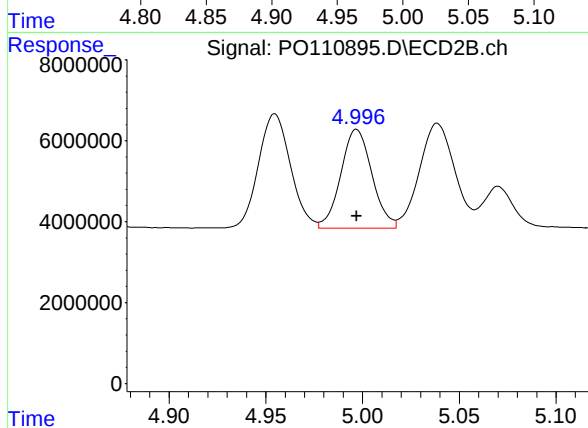
#5 AR-1016-3

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 32380640
Conc: 266.30 ng/ml



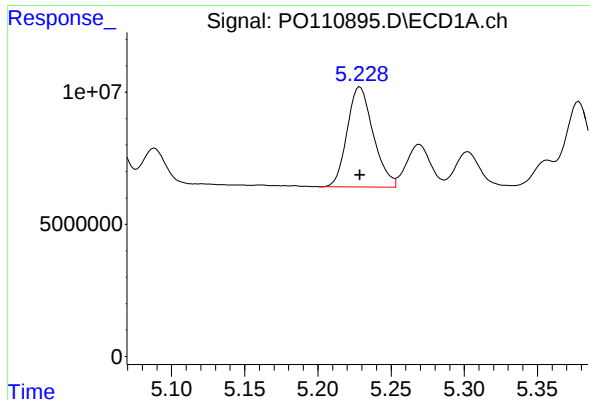
#6 AR-1016-4

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 45119055
Conc: 269.93 ng/ml



#6 AR-1016-4

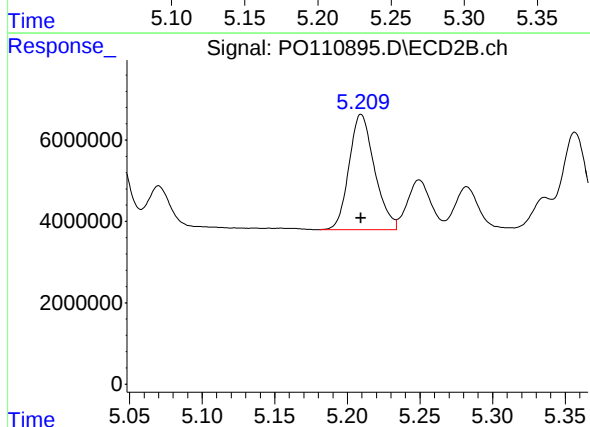
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 27285455
Conc: 273.46 ng/ml



#7 AR-1016-5

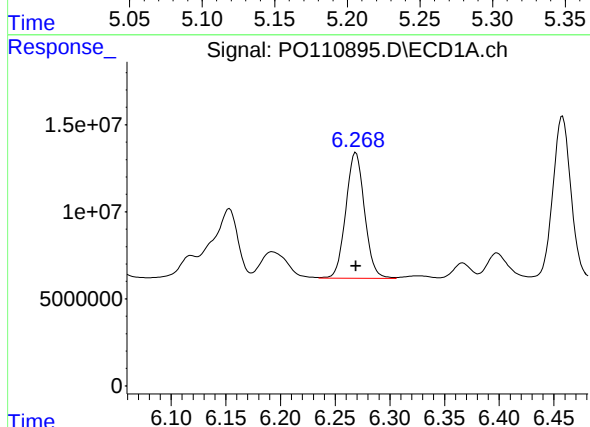
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 46993259
Conc: 267.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



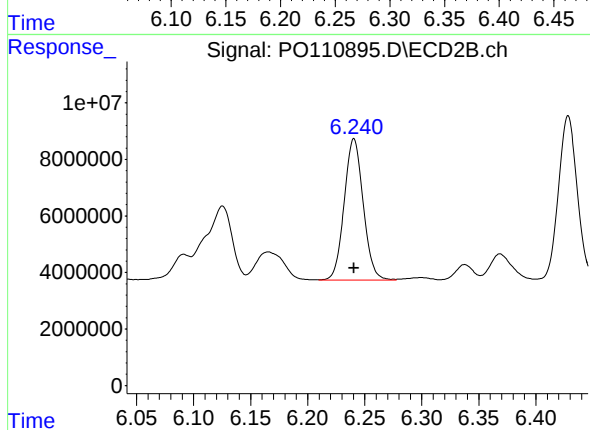
#7 AR-1016-5

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 34705806
Conc: 268.53 ng/ml



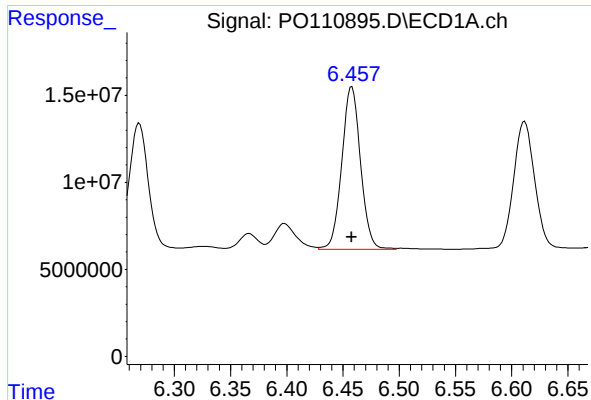
#31 AR-1260-1

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 86249959
Conc: 262.91 ng/ml



#31 AR-1260-1

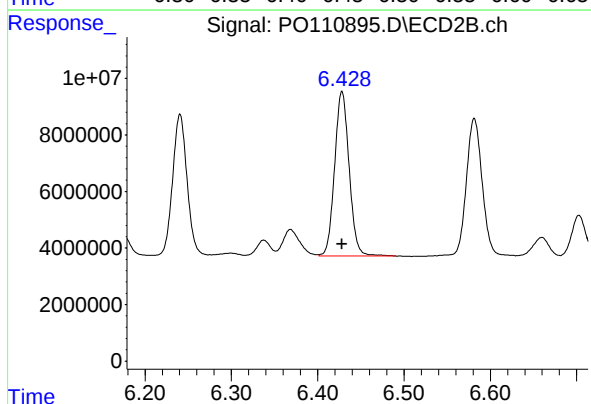
R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 57924014
Conc: 264.12 ng/ml



#32 AR-1260-2

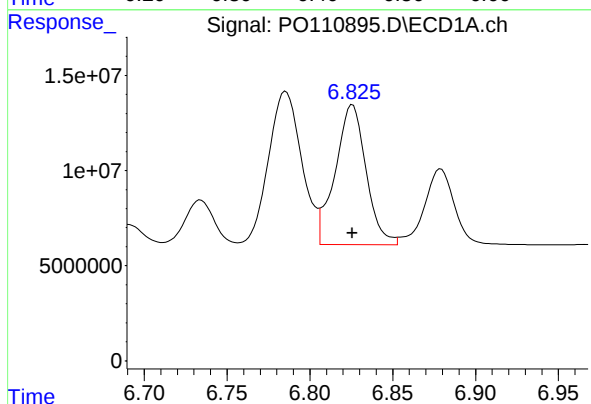
R.T.: 6.458 min
Delta R.T.: 0.000 min
Response: 108192219
Conc: 267.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



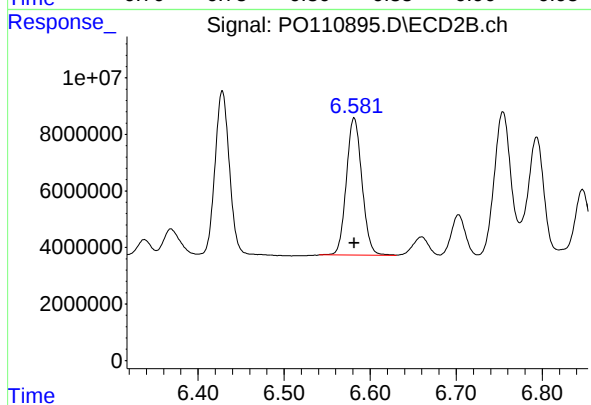
#32 AR-1260-2

R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 67925156
Conc: 266.03 ng/ml



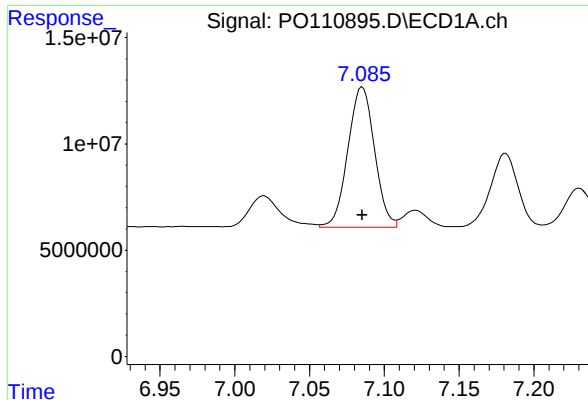
#33 AR-1260-3

R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 95186843
Conc: 270.86 ng/ml



#33 AR-1260-3

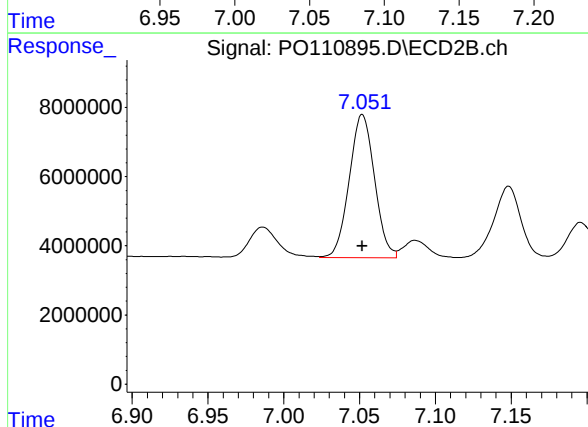
R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 61005167
Conc: 262.74 ng/ml



#34 AR-1260-4

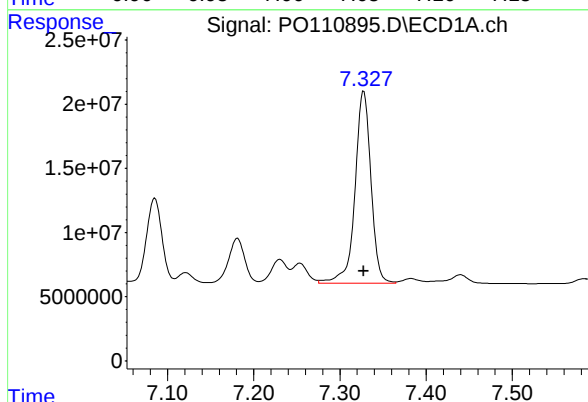
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 81673543
Conc: 267.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



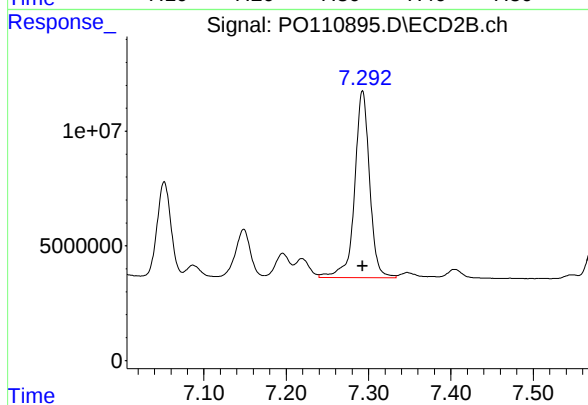
#34 AR-1260-4

R.T.: 7.052 min
Delta R.T.: 0.000 min
Response: 48096671
Conc: 267.61 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 192501143
Conc: 260.49 ng/ml



#35 AR-1260-5

R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 103395003
Conc: 261.89 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110896.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 10:58
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/05/2025
 Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 11:08:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 11:07:59 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...	3.684	3.680	26883728	21925192	4.699	4.527
2) SA Decachlor...	8.727	8.675	30595416	8754325	5.014	5.189
Target Compounds						
3) L1 AR-1016-1	4.775	4.759	11388788	7989426	51.530	50.287
4) L1 AR-1016-2	4.794	4.779	15459866	11172957	49.843	48.883
5) L1 AR-1016-3	4.850	4.954	13787898	6165528	60.288	50.564
6) L1 AR-1016-4	4.970	4.996	8368253	5234330	50.052	51.948
7) L1 AR-1016-5	5.228	5.208	9420873	7002191	52.900	53.288
31) L7 AR-1260-1	6.267	6.239	17544248	11330106	52.745	51.321
32) L7 AR-1260-2	6.456	6.427	22796239	13241314	54.955	51.477
33) L7 AR-1260-3	6.823	6.579	17781776	11848147	50.478	50.819
34) L7 AR-1260-4	7.083	7.049	15042707	9578461	49.444	52.691m
35) L7 AR-1260-5	7.326	7.291	35797963	19337697	48.745	49.439m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:58
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

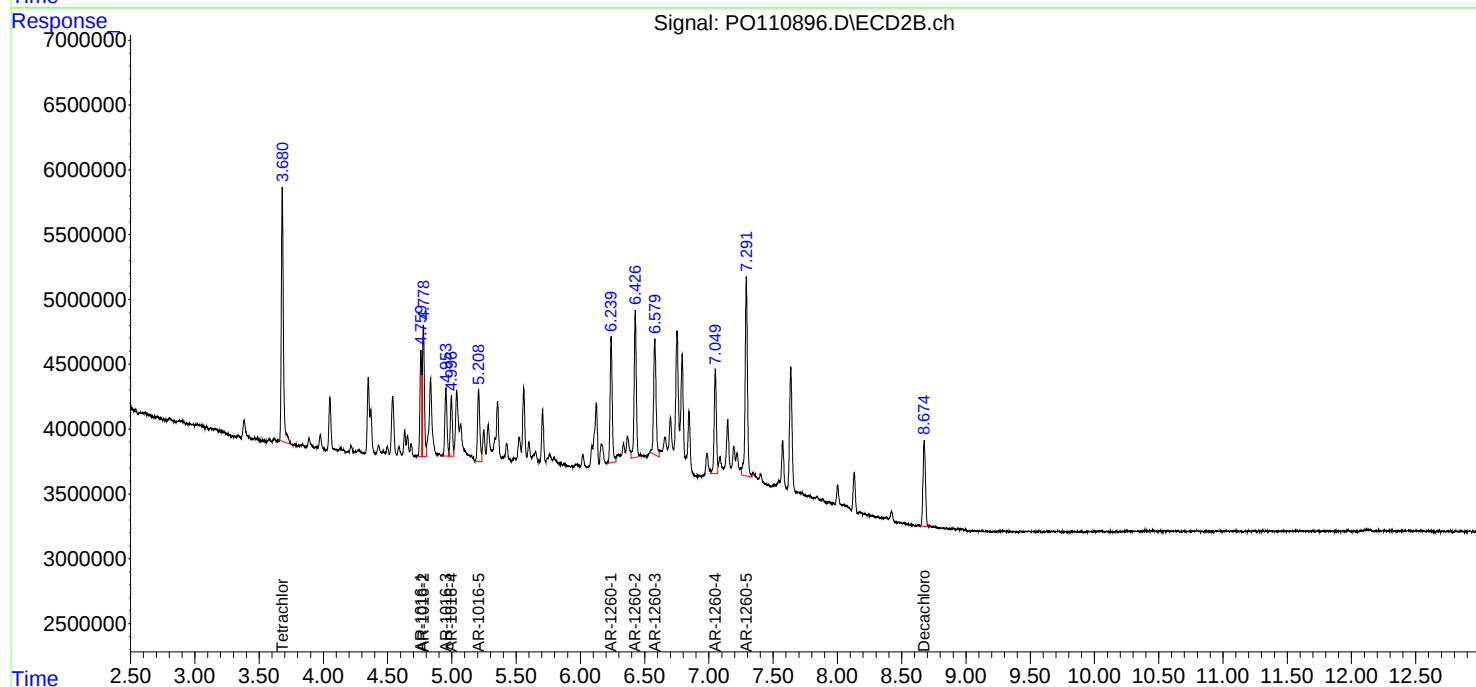
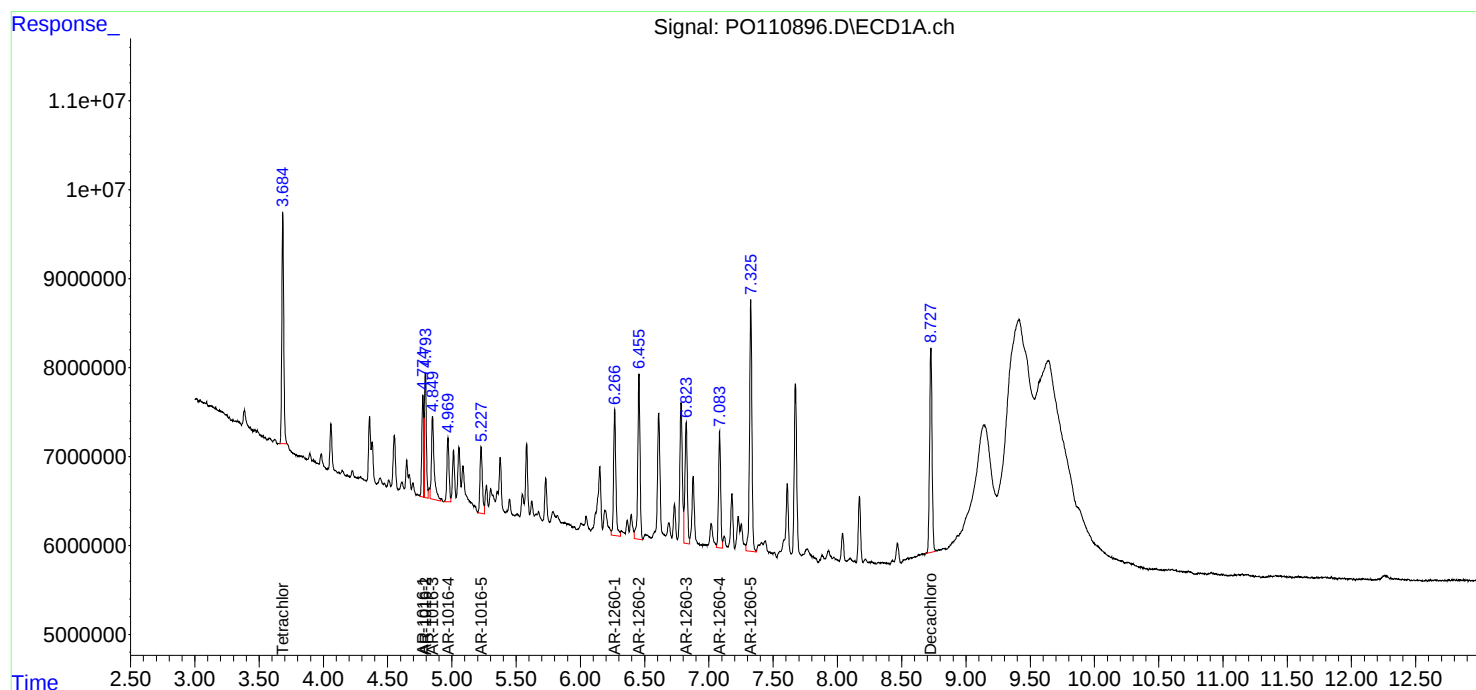
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

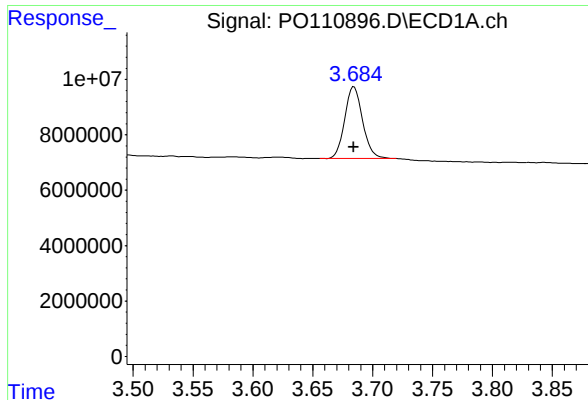
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 11:08:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 11:07:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





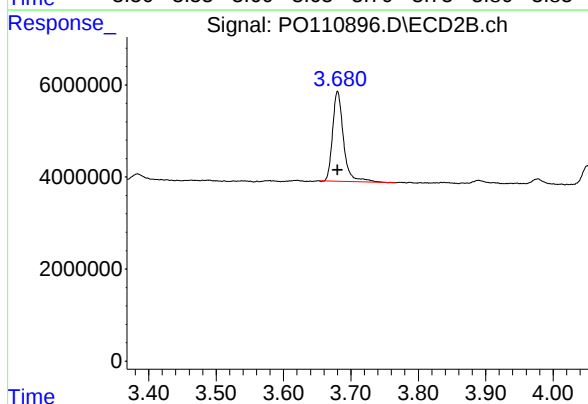
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 26883728
Conc: 4.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

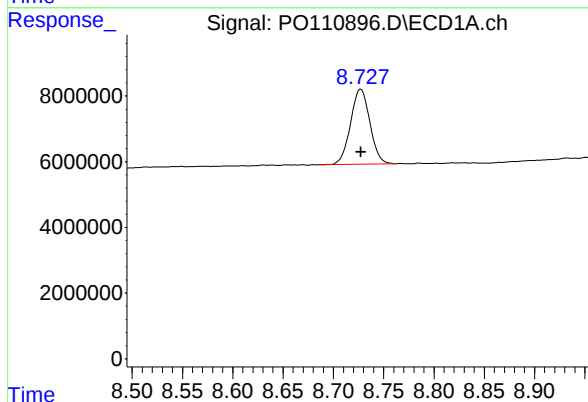
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



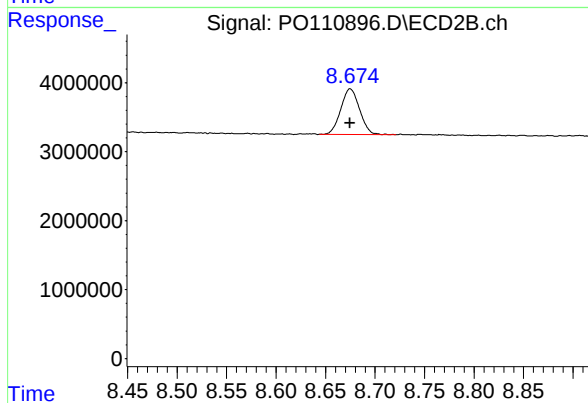
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 21925192
Conc: 4.53 ng/ml



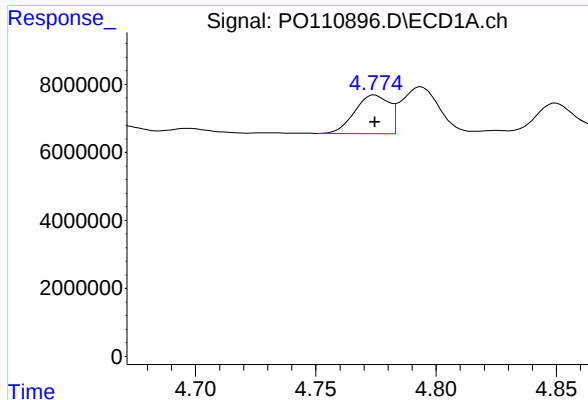
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 30595416
Conc: 5.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.675 min
Delta R.T.: 0.000 min
Response: 8754325
Conc: 5.19 ng/ml



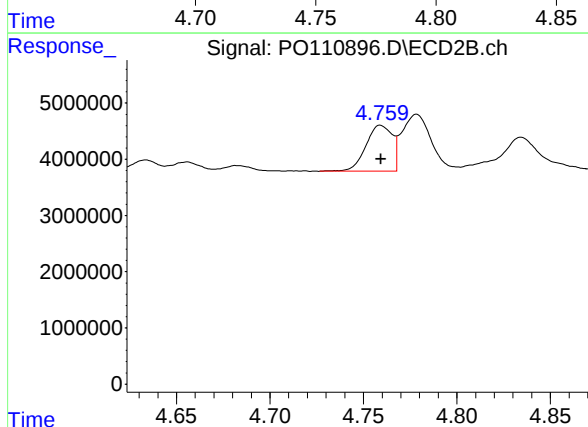
#3 AR-1016-1

R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 11388788
Conc: 51.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

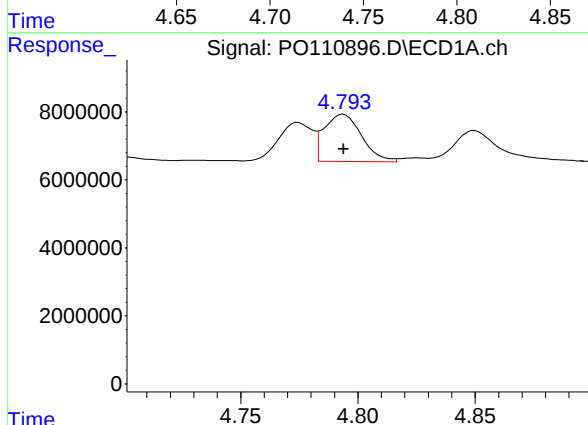
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



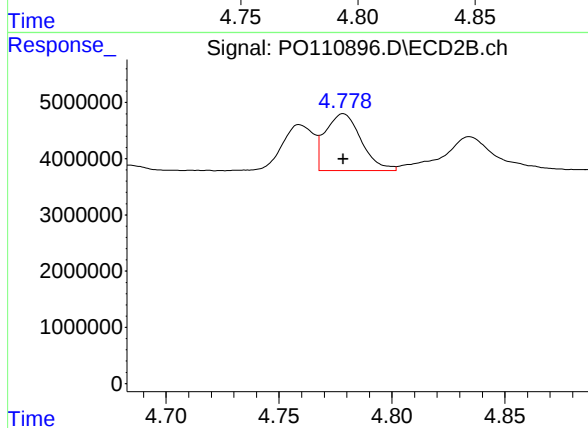
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 7989426
Conc: 50.29 ng/ml



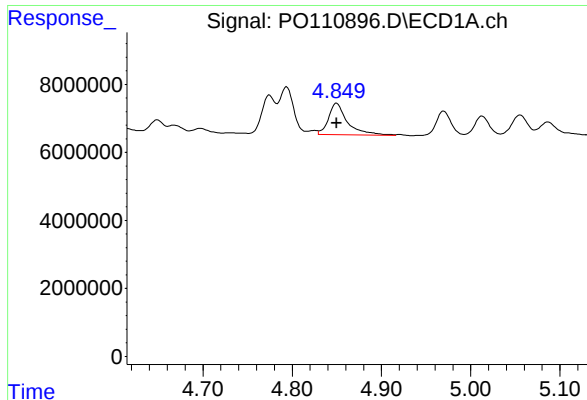
#4 AR-1016-2

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 15459866
Conc: 49.84 ng/ml



#4 AR-1016-2

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 11172957
Conc: 48.88 ng/ml



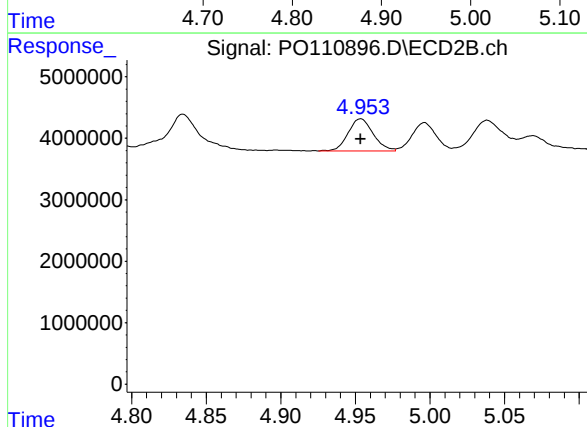
#5 AR-1016-3

R.T.: 4.850 min
Delta R.T.: 0.000 min
Response: 13787898
Conc: 60.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

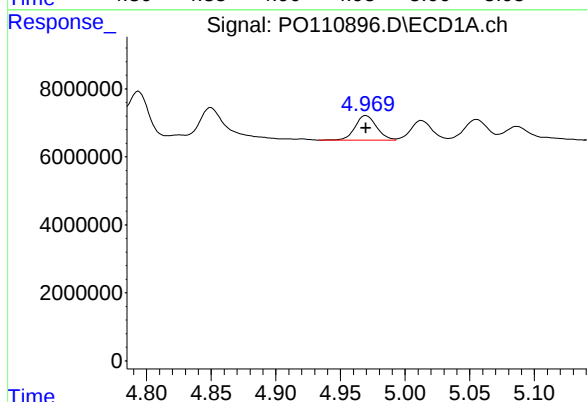
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



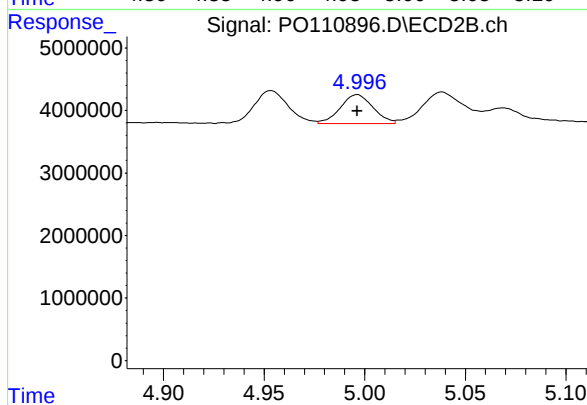
#5 AR-1016-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 6165528
Conc: 50.56 ng/ml



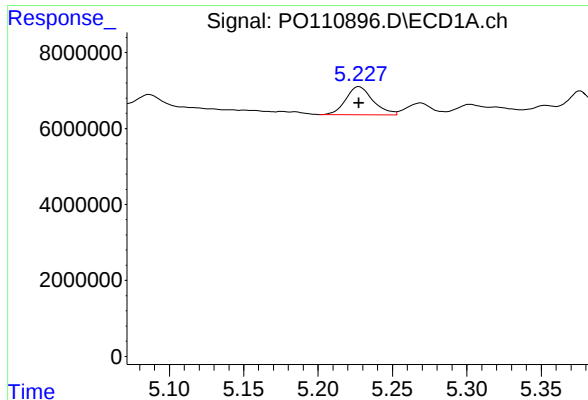
#6 AR-1016-4

R.T.: 4.970 min
Delta R.T.: 0.000 min
Response: 8368253
Conc: 50.05 ng/ml



#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 5234330
Conc: 51.95 ng/ml



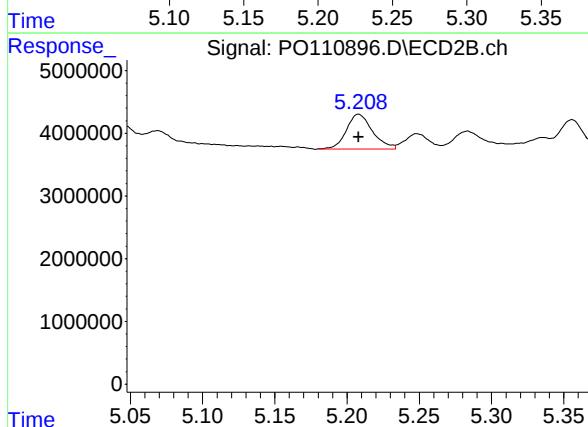
#7 AR-1016-5

R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 9420873
Conc: 52.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

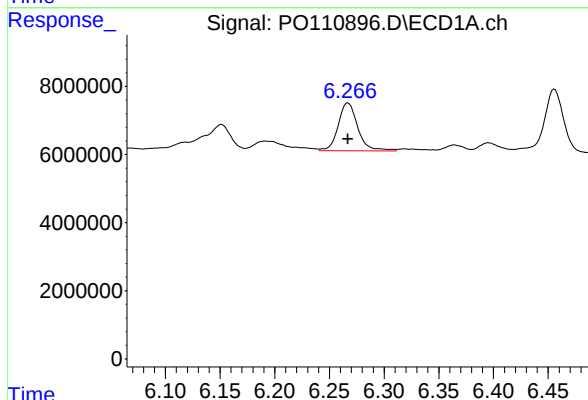
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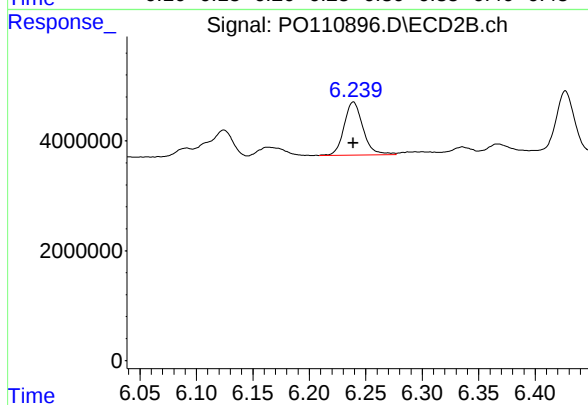
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 7002191
Conc: 53.29 ng/ml



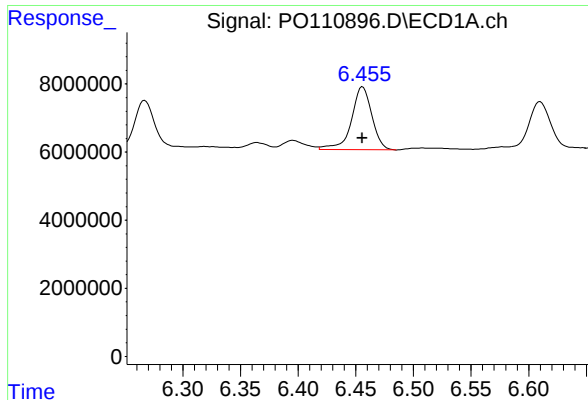
#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.000 min
Response: 17544248
Conc: 52.75 ng/ml



#31 AR-1260-1

R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 11330106
Conc: 51.32 ng/ml



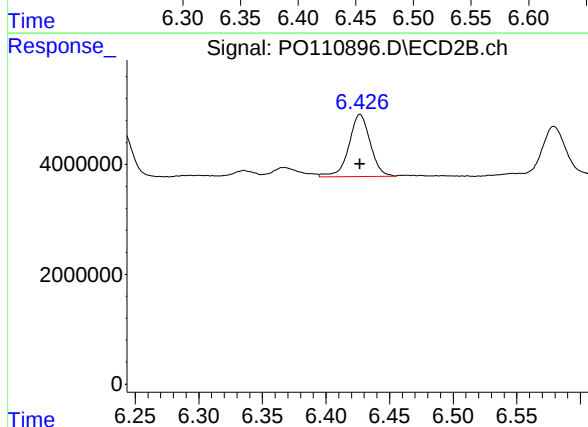
#32 AR-1260-2

R.T.: 6.456 min
Delta R.T.: 0.000 min
Response: 22796239
Conc: 54.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

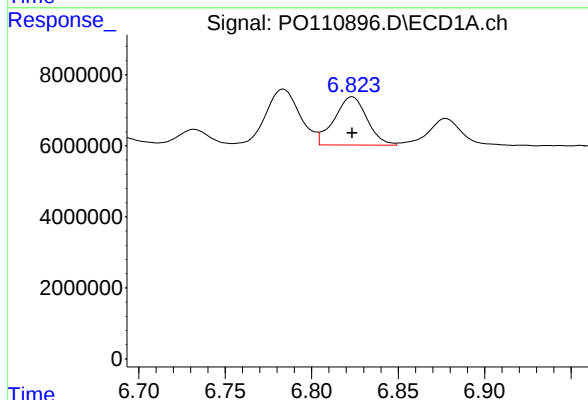
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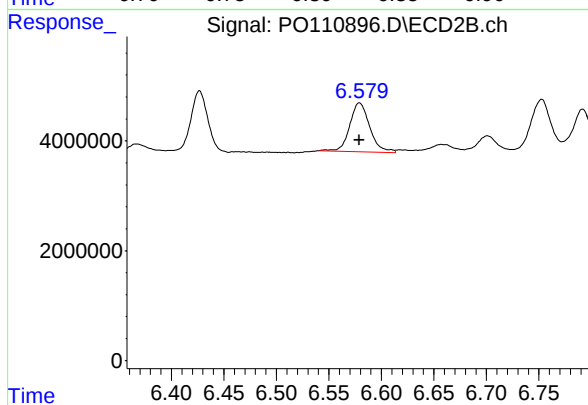
#32 AR-1260-2

R.T.: 6.427 min
Delta R.T.: 0.000 min
Response: 13241314
Conc: 51.48 ng/ml



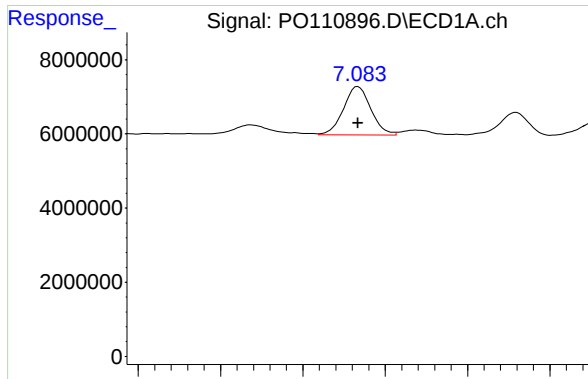
#33 AR-1260-3

R.T.: 6.823 min
Delta R.T.: 0.000 min
Response: 17781776
Conc: 50.48 ng/ml



#33 AR-1260-3

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 11848147
Conc: 50.82 ng/ml



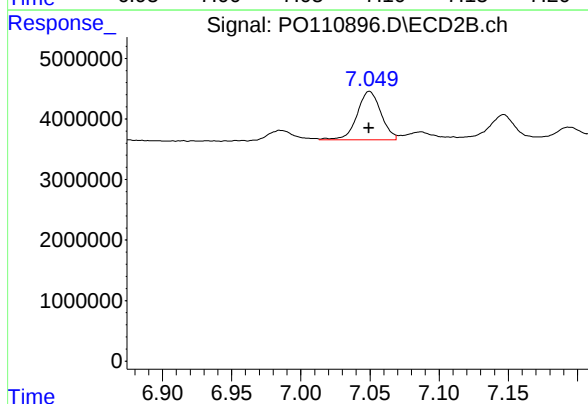
#34 AR-1260-4

R.T.: 7.083 min
Delta R.T.: 0.000 min
Response: 15042707
Conc: 49.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

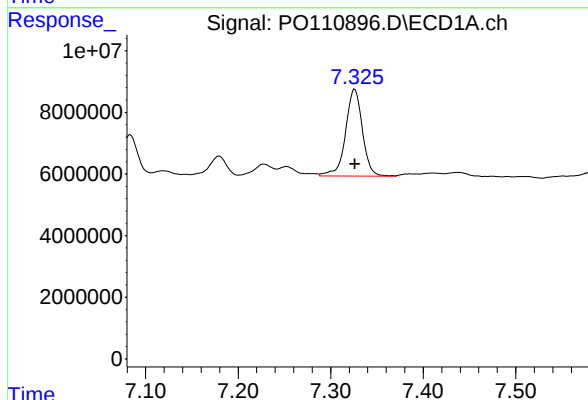
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



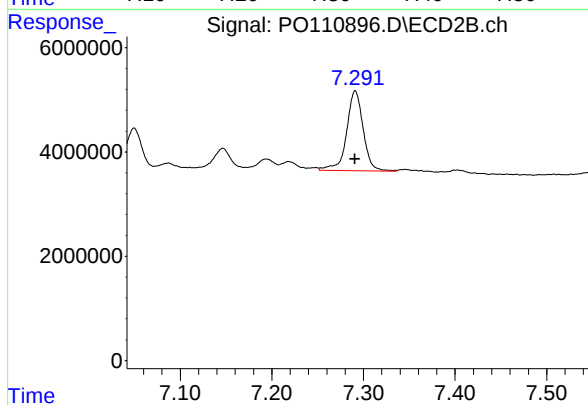
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 9578461
Conc: 52.69 ng/ml



#35 AR-1260-5

R.T.: 7.326 min
Delta R.T.: 0.000 min
Response: 35797963
Conc: 48.75 ng/ml



#35 AR-1260-5

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 19337697
Conc: 49.44 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110897.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 11:16
 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: May 02 11:30:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 11:30:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.681	318.8E6	283.9E6	50.000	50.000
2) SA Decachlor...	8.727	8.677	340.3E6	92487313	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.898	3.891	43534085	33282876	500.000	500.000
9) L2 AR-1221-2	3.984	3.976	33855692	25665780	500.000	500.000
10) L2 AR-1221-3	4.060	4.052	98885403	76518654	500.000	500.000

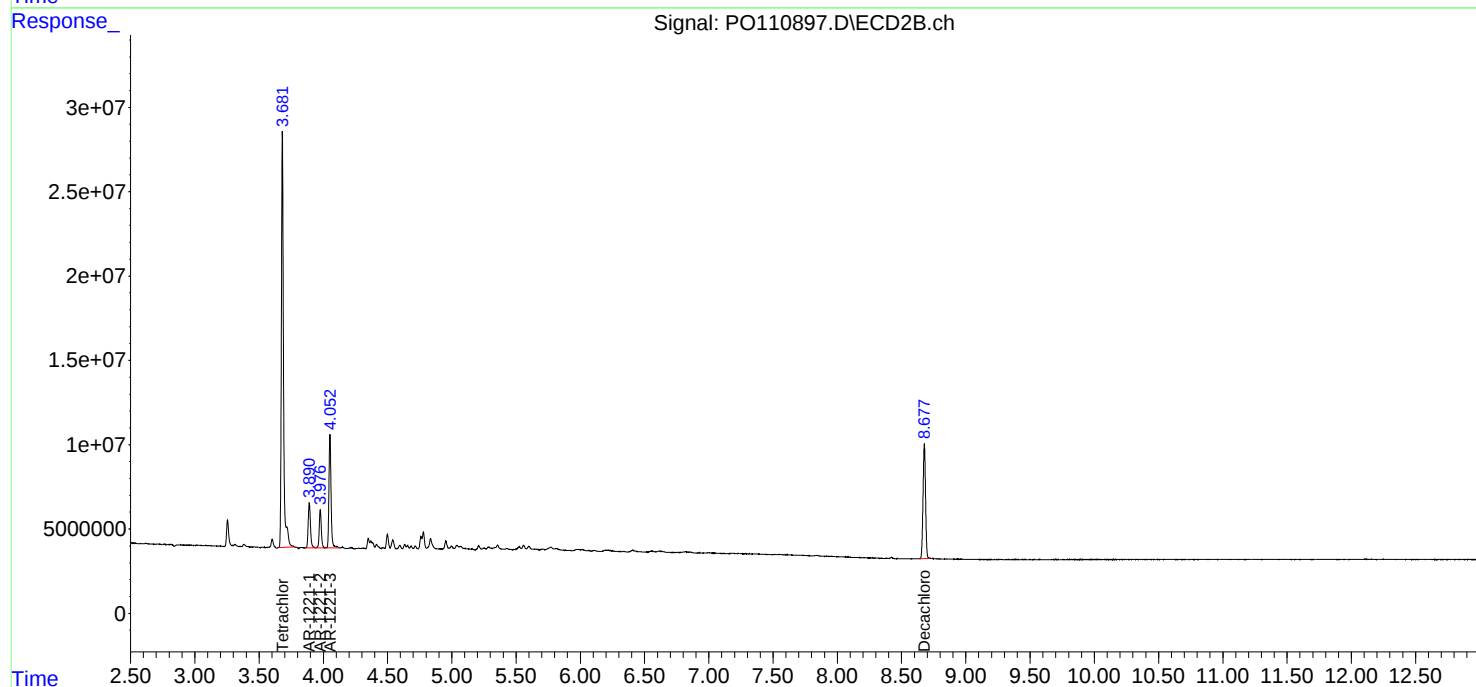
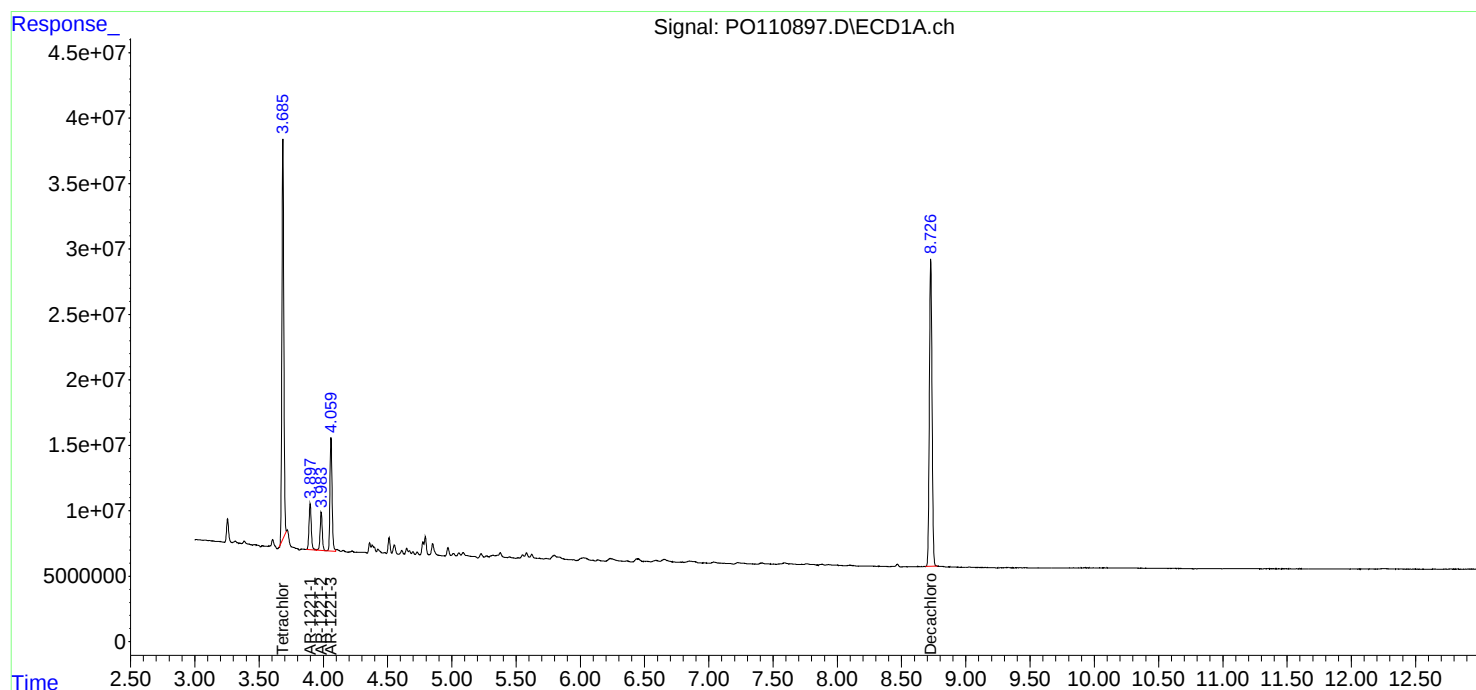
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

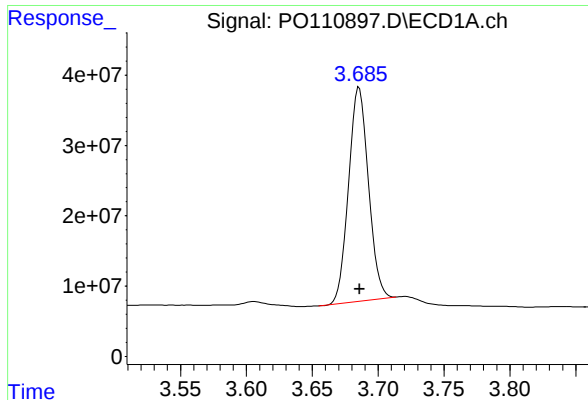
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 11:16
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 11:30:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 11:30:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

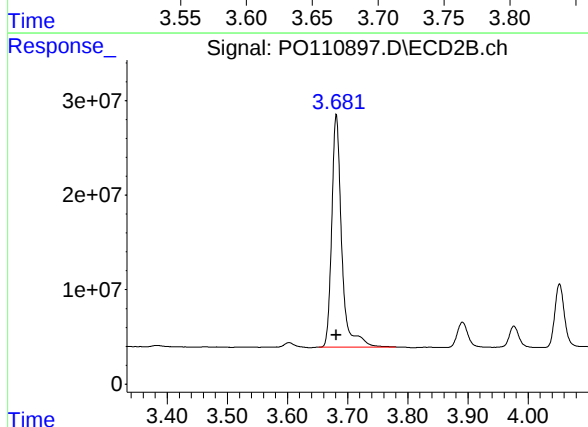




#1 Tetrachloro-m-xylene

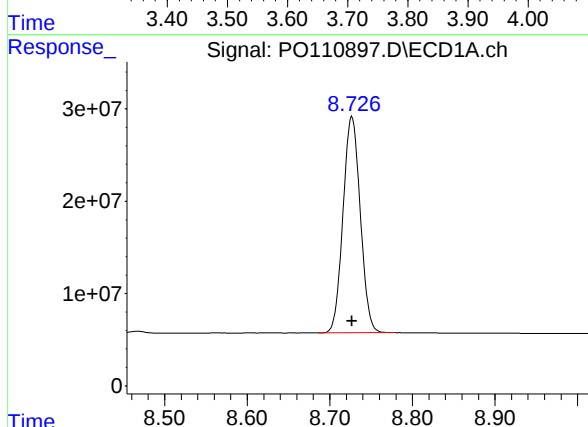
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 318804879
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



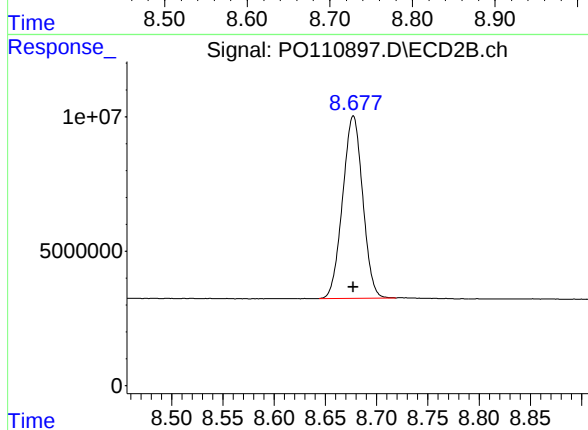
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 283859840
Conc: 50.00 ng/ml



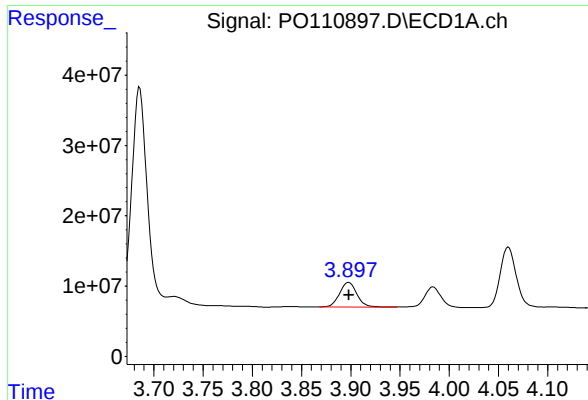
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 340342672
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

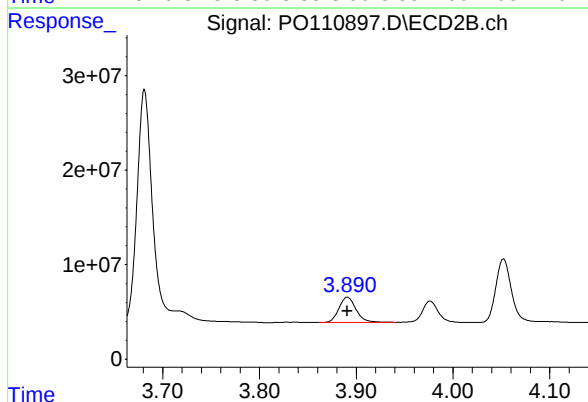
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 92487313
Conc: 50.00 ng/ml



#8 AR-1221-1

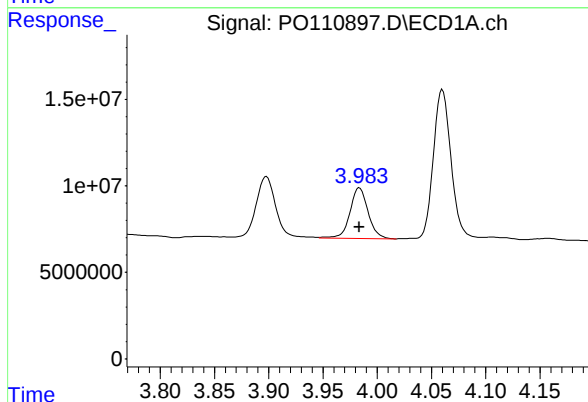
R.T.: 3.898 min
Delta R.T.: 0.000 min
Response: 43534085
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



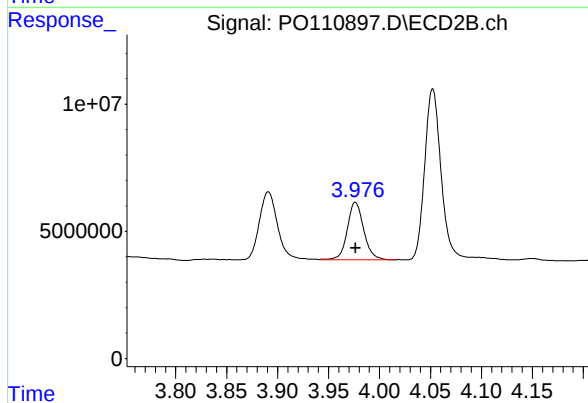
#8 AR-1221-1

R.T.: 3.891 min
Delta R.T.: 0.000 min
Response: 33282876
Conc: 500.00 ng/ml



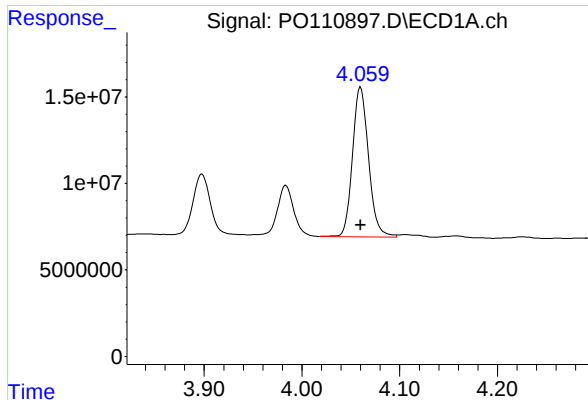
#9 AR-1221-2

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 33855692
Conc: 500.00 ng/ml



#9 AR-1221-2

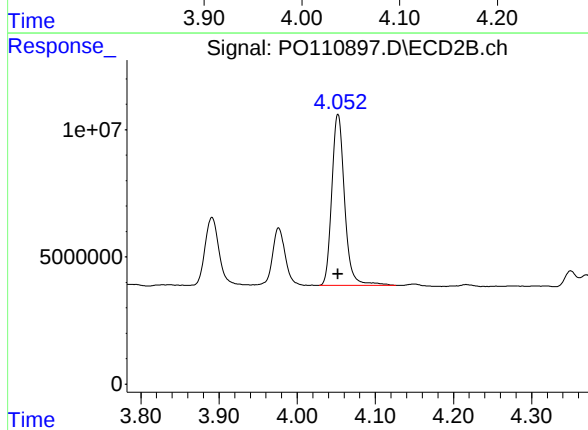
R.T.: 3.976 min
Delta R.T.: 0.000 min
Response: 25665780
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.060 min
Delta R.T.: 0.000 min
Response: 98885403
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 76518654
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110898.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 11:34
 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: May 02 11:51:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 11:50:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.681	307.8E6	267.7E6	50.000	50.000
2) SA Decachlor...	8.728	8.677	323.7E6	88039838	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.060	4.052	76792032	58731132	500.000	500.000
12) L3 AR-1232-2	4.554	4.779	41190384	57517475	500.000	500.000
13) L3 AR-1232-3	4.795	4.954	79542471	30143162	500.000	500.000
14) L3 AR-1232-4	4.972	5.038	42085320	27856270	500.000	500.000
15) L3 AR-1232-5	5.014	5.209	29436179	29432394	500.000	500.000

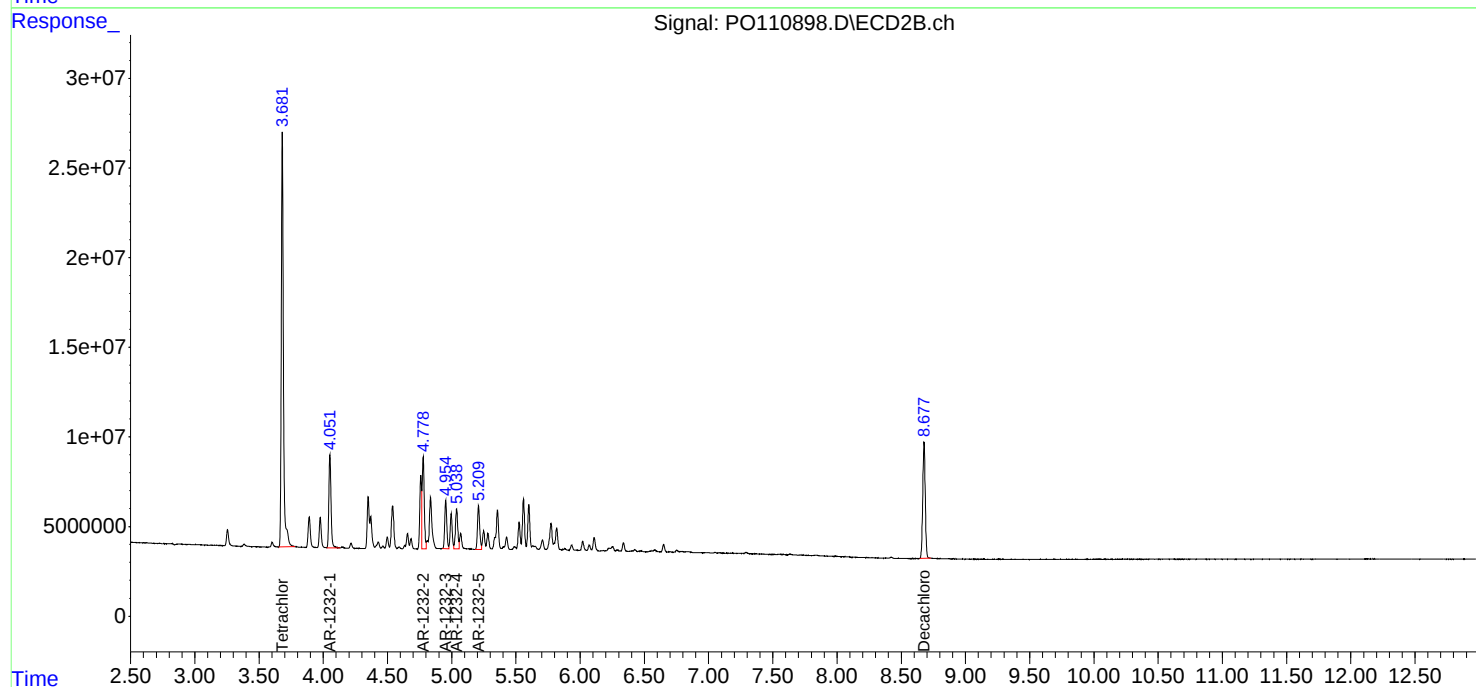
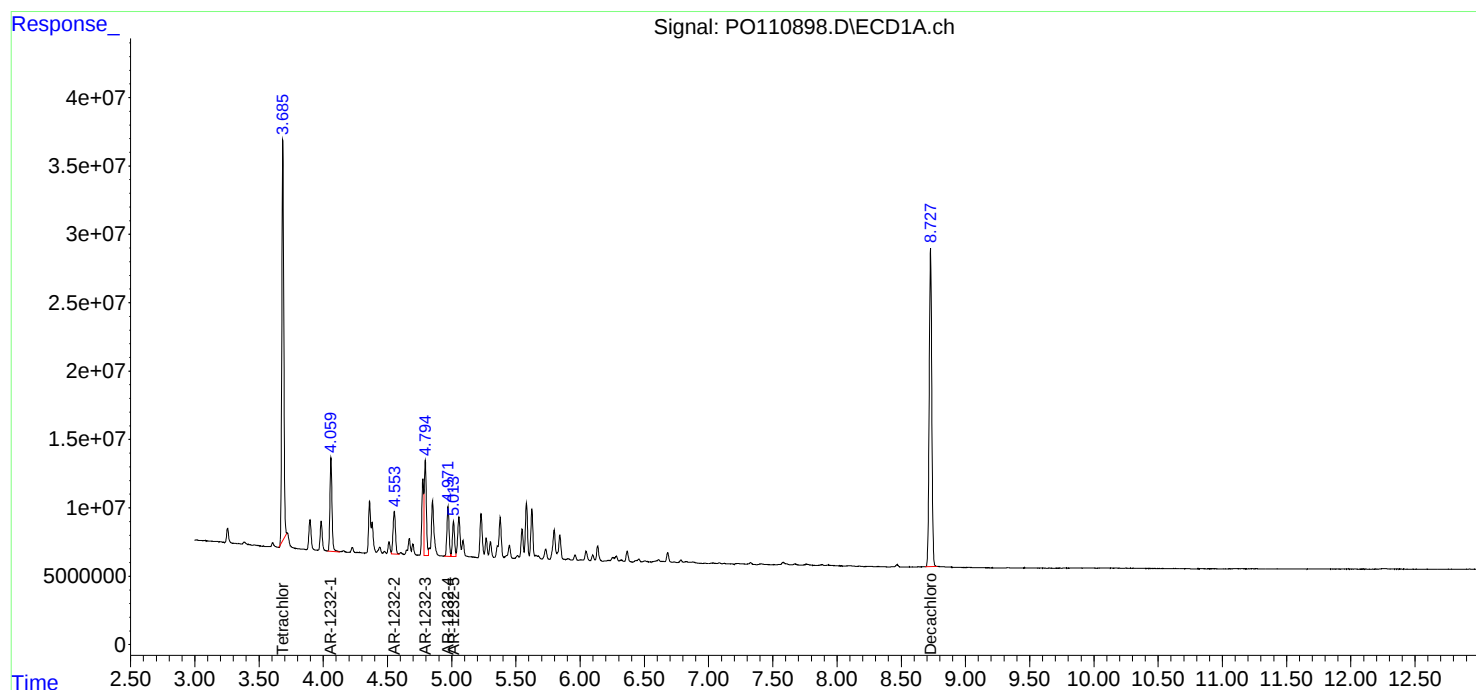
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

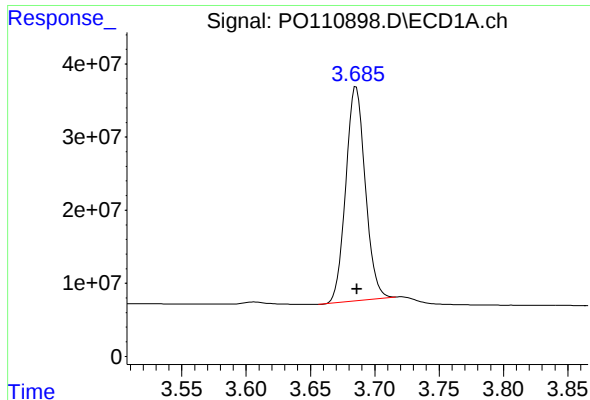
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 11:34
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 11:51:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 11:50:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

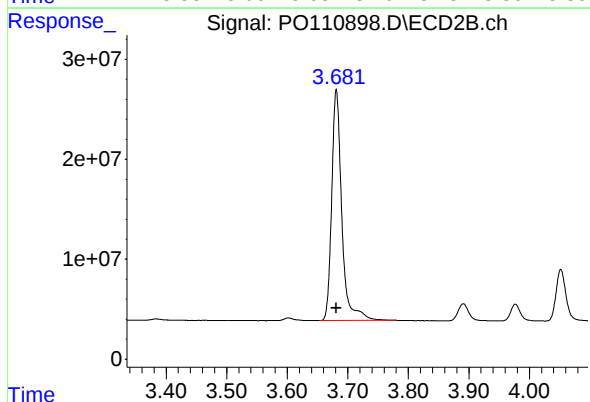




#1 Tetrachloro-m-xylene

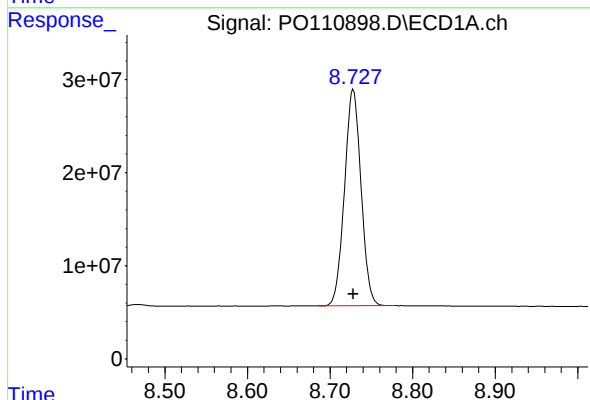
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 307794301
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



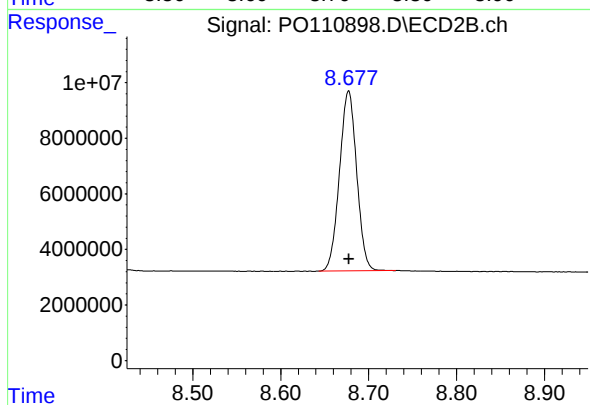
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 267693633
Conc: 50.00 ng/ml



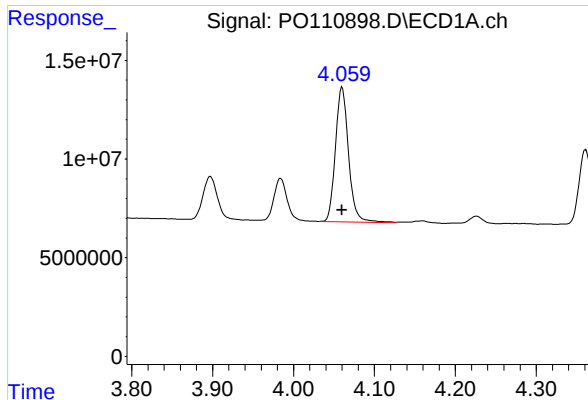
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 323696668
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

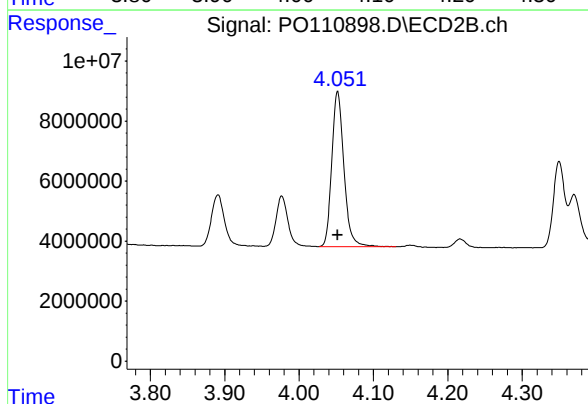
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 88039838
Conc: 50.00 ng/ml



#11 AR-1232-1

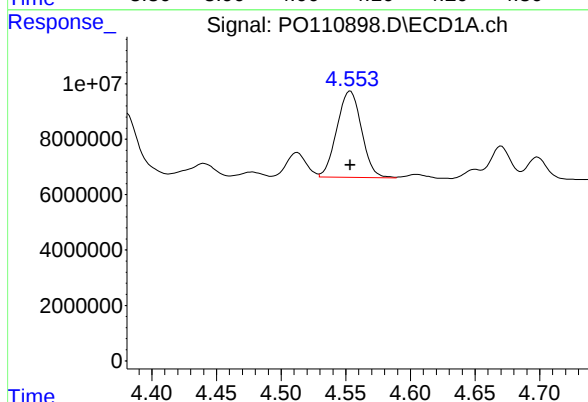
R.T.: 4.060 min
Delta R.T.: 0.000 min
Response: 76792032
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



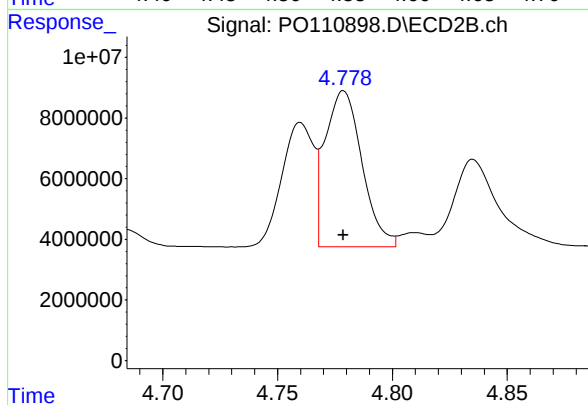
#11 AR-1232-1

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 58731132
Conc: 500.00 ng/ml



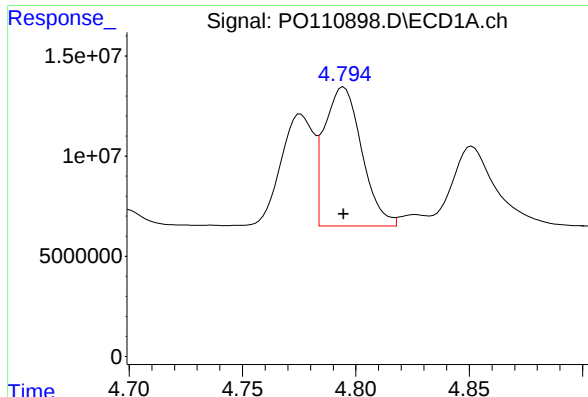
#12 AR-1232-2

R.T.: 4.554 min
Delta R.T.: 0.000 min
Response: 41190384
Conc: 500.00 ng/ml



#12 AR-1232-2

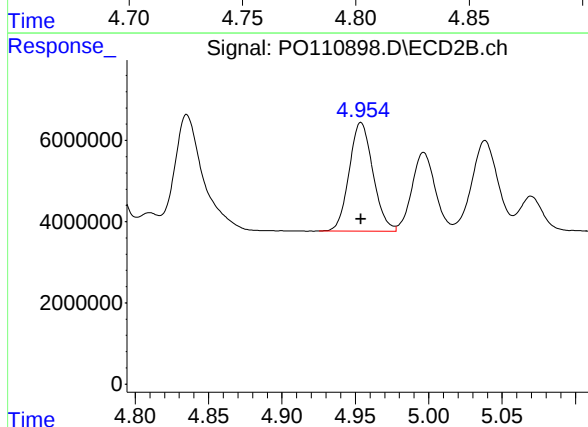
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 57517475
Conc: 500.00 ng/ml



#13 AR-1232-3

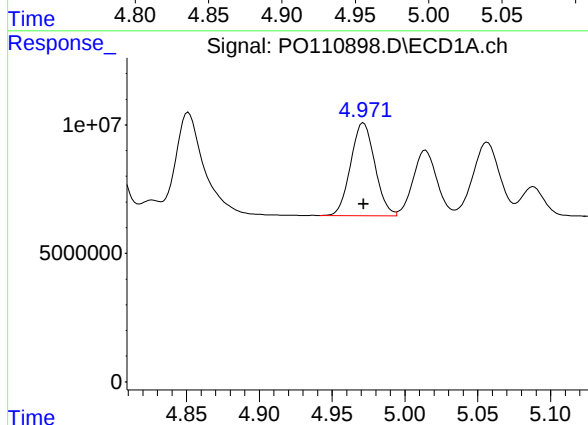
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 79542471
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



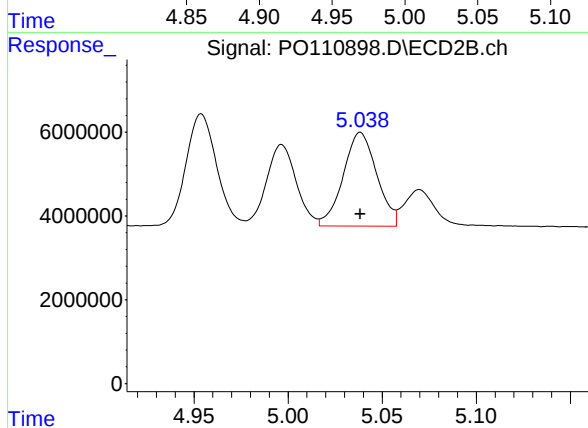
#13 AR-1232-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 30143162
Conc: 500.00 ng/ml



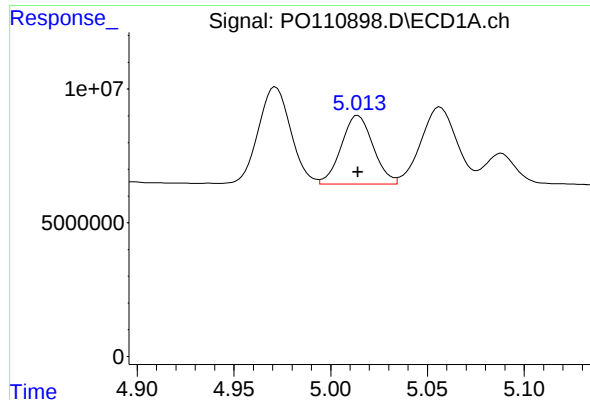
#14 AR-1232-4

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 42085320
Conc: 500.00 ng/ml



#14 AR-1232-4

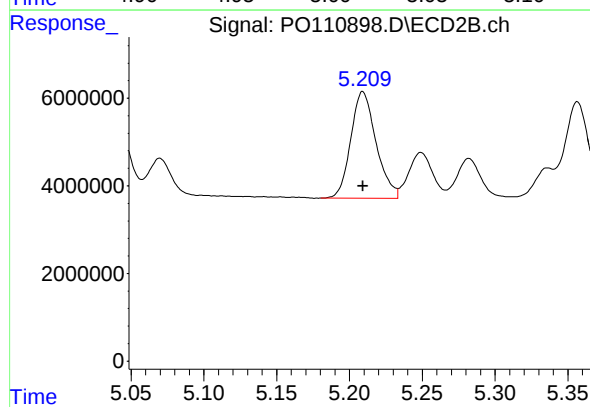
R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 27856270
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 29436179
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.209 min
Delta R.T.: 0.000 min
Response: 29432394
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110899.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 11:53
 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: May 02 12:39:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 12:37:00 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...	3.685	3.681	581.6E6	494.9E6	99.328	99.974
2) SA Decachlor...	8.729	8.677	588.8E6	158.1E6	96.137	95.713
Target Compounds						
16) L4 AR-1242-1	4.776	4.760	177.0E6	126.7E6	975.415	973.687
17) L4 AR-1242-2	4.794	4.779	248.5E6	183.9E6	972.816	980.698
18) L4 AR-1242-3	4.851	4.954	171.5E6	97737881	955.216	984.929
19) L4 AR-1242-4	4.971	5.039	135.3E6	96899292	990.368	975.100
20) L4 AR-1242-5	5.624	5.559	144.4E6	117.8E6	942.756	956.871

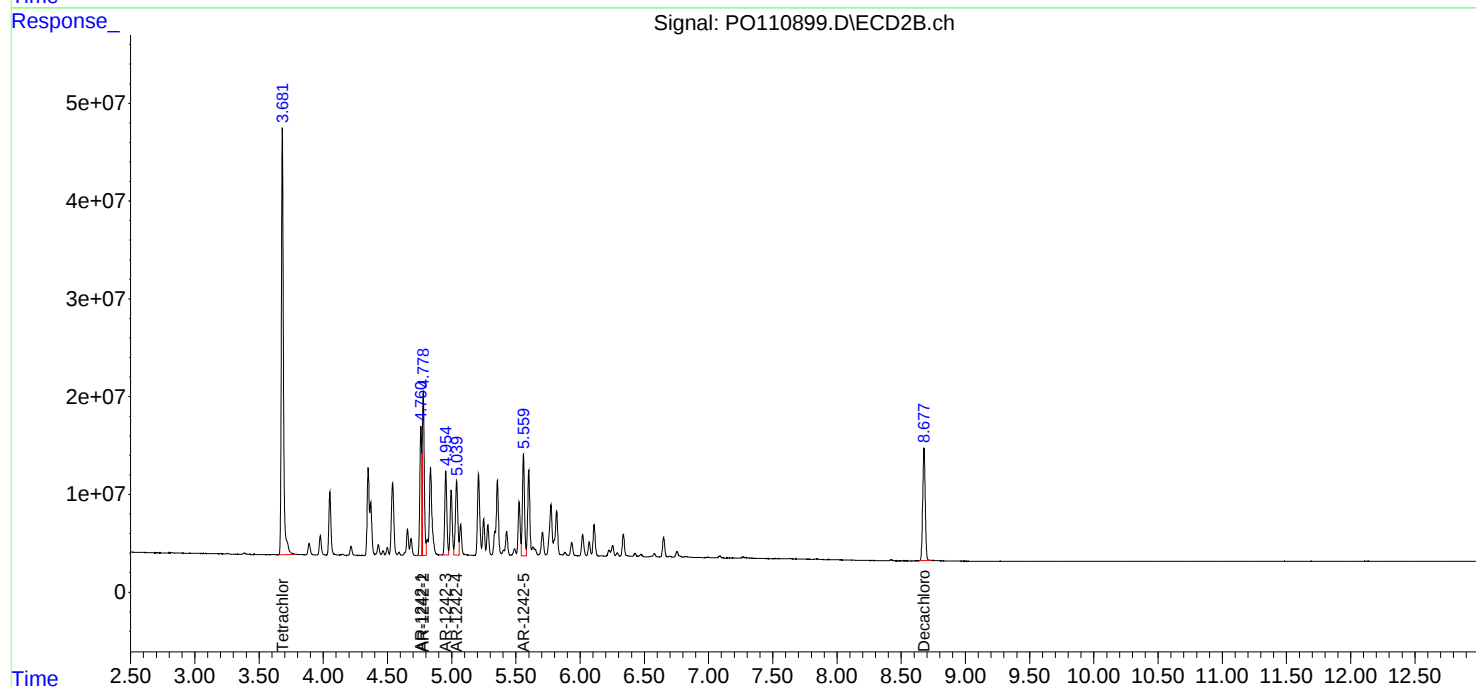
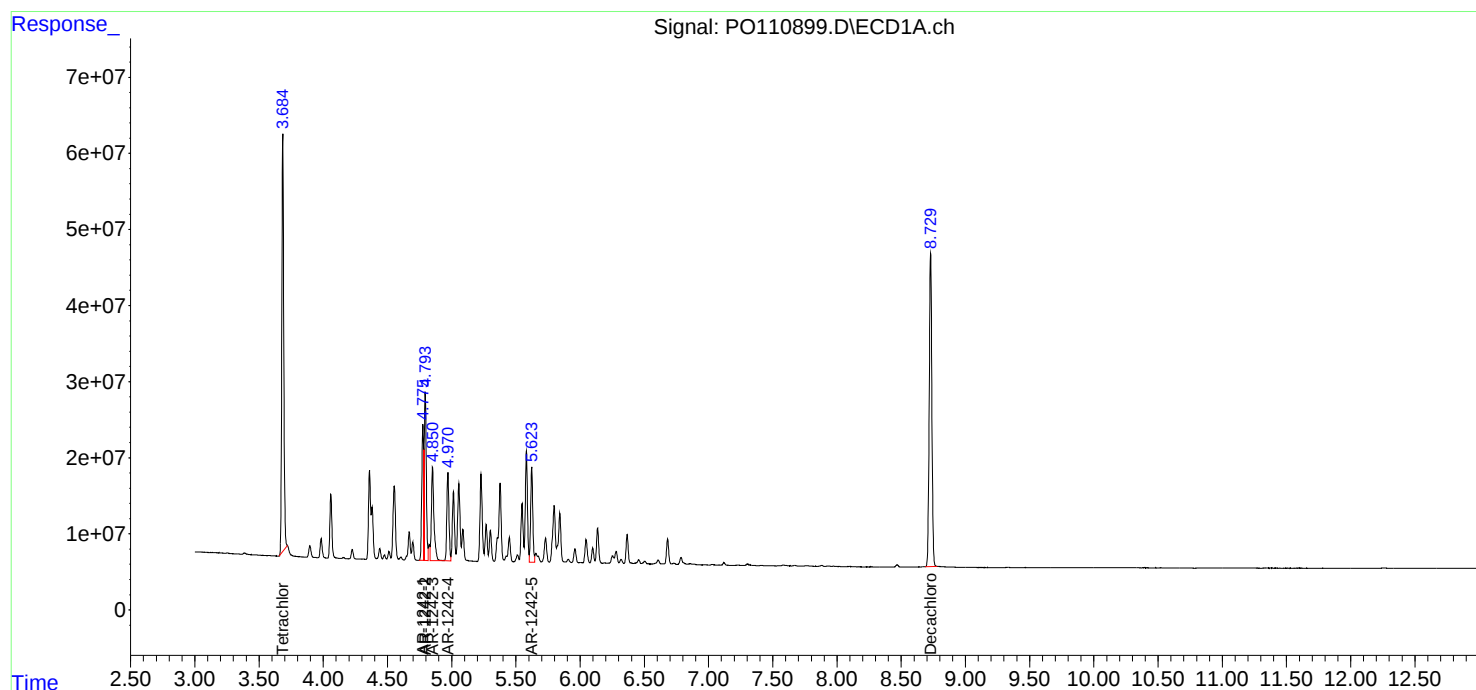
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

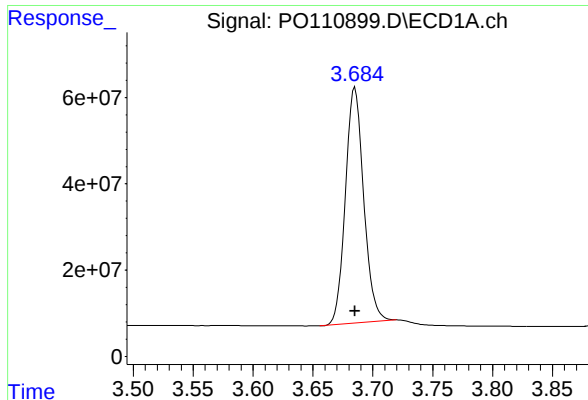
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 11:53
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 12:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 12:37:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

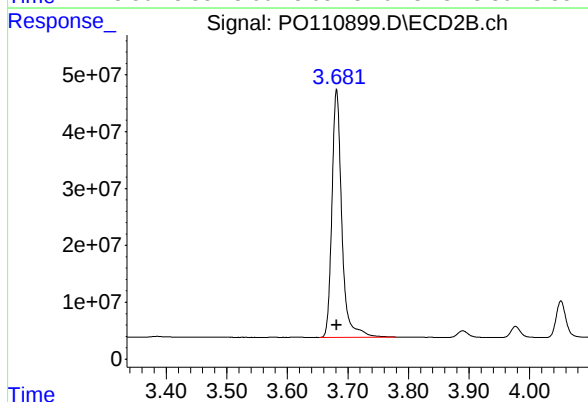




#1 Tetrachloro-m-xylene

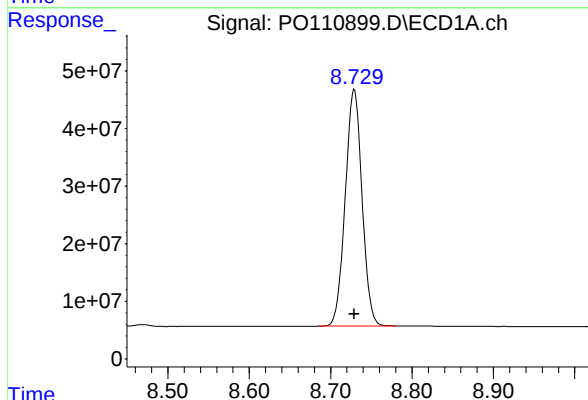
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 581633705
Conc: 99.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



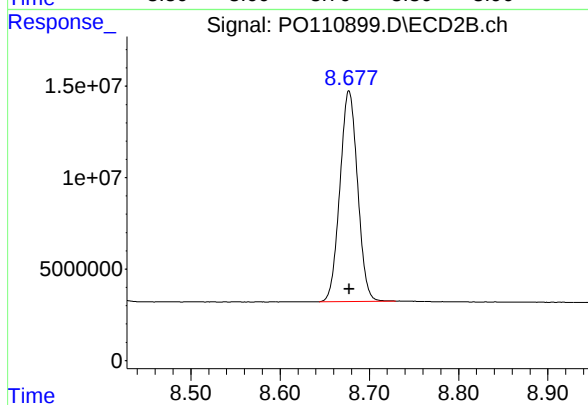
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 494913385
Conc: 99.97 ng/ml



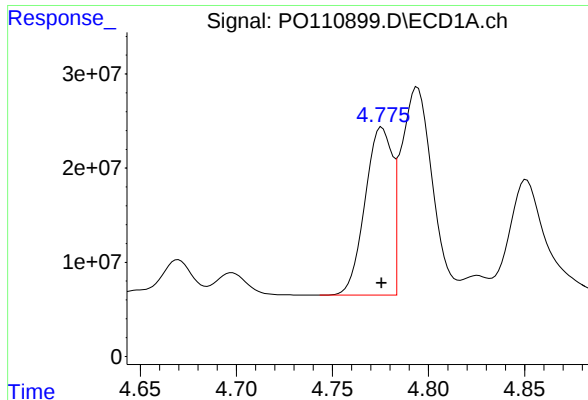
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 588846068
Conc: 96.14 ng/ml



#2 Decachlorobiphenyl

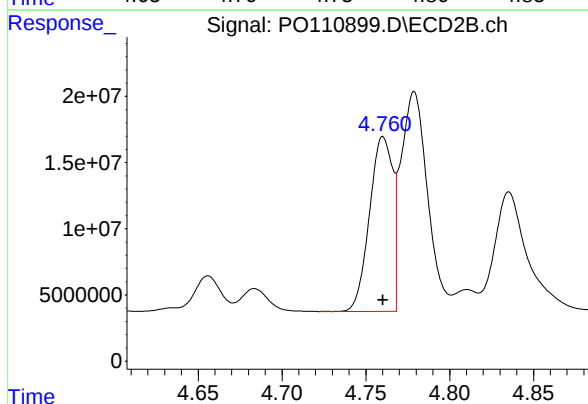
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 158140910
Conc: 95.71 ng/ml



#16 AR-1242-1

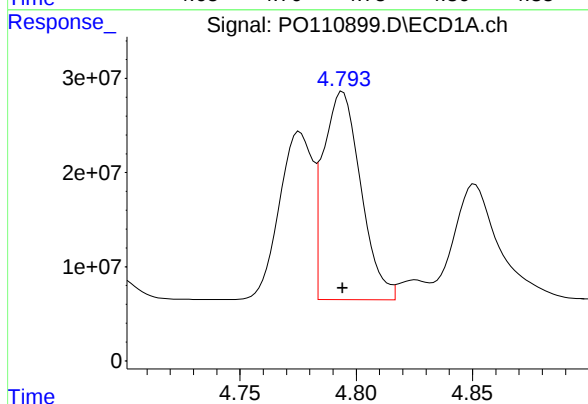
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 176981853
Conc: 975.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



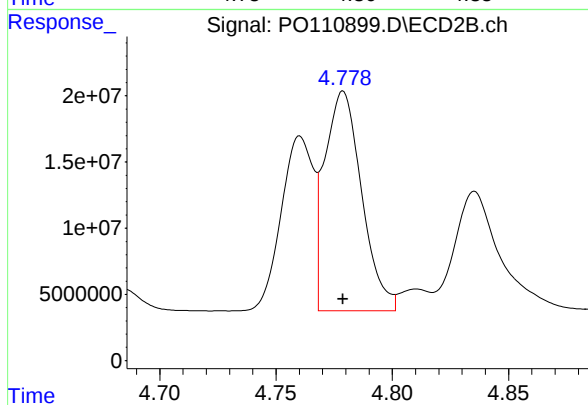
#16 AR-1242-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 126696062
Conc: 973.69 ng/ml



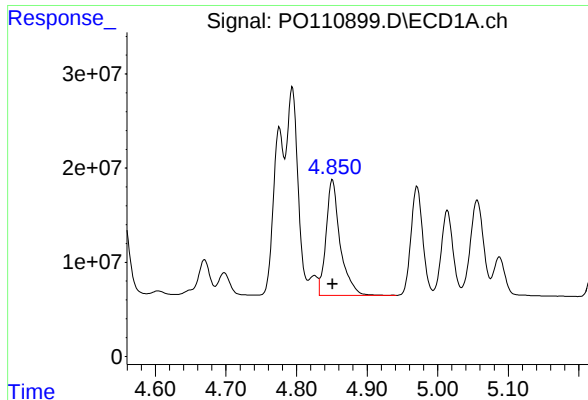
#17 AR-1242-2

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 248451544
Conc: 972.82 ng/ml



#17 AR-1242-2

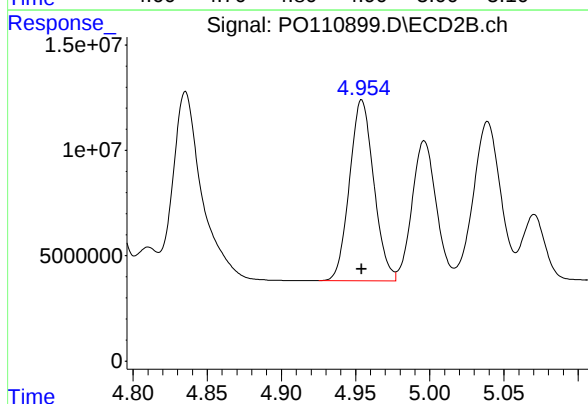
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 183881128
Conc: 980.70 ng/ml



#18 AR-1242-3

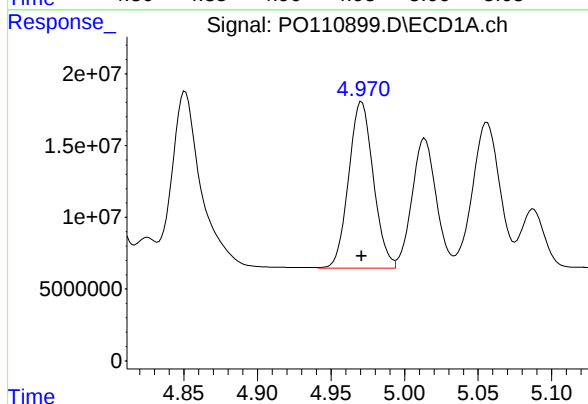
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 171468652
Conc: 955.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



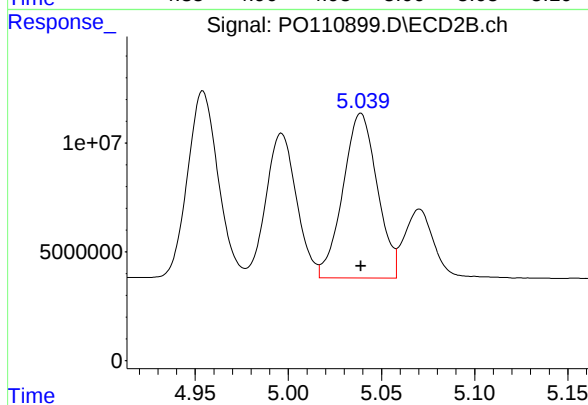
#18 AR-1242-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 97737881
Conc: 984.93 ng/ml



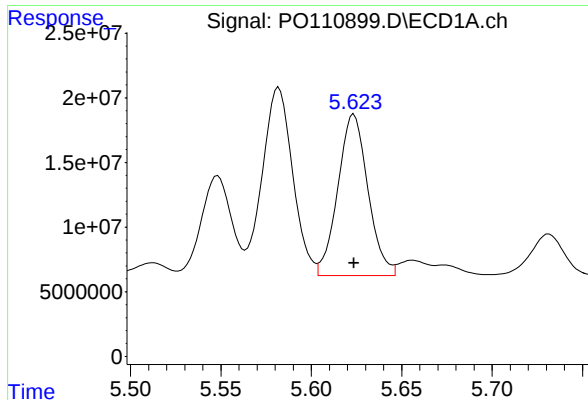
#19 AR-1242-4

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 135335611
Conc: 990.37 ng/ml



#19 AR-1242-4

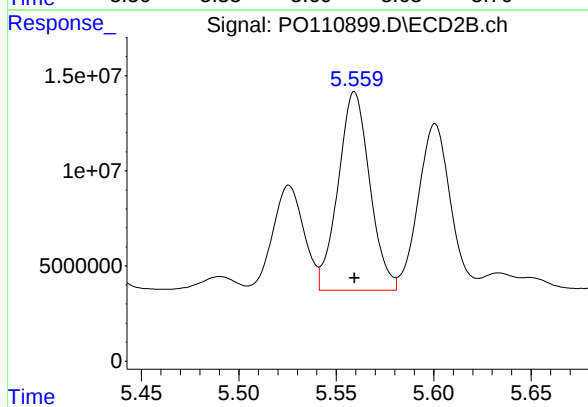
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 96899292
Conc: 975.10 ng/ml



#20 AR-1242-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 144449327
Conc: 942.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.559 min
Delta R.T.: 0.000 min
Response: 117846629
Conc: 956.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110900.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 12:11
 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: May 02 12:43:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 12:37:00 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	3.681	446.5E6	377.3E6	75.826	75.811
2) SA Decachlor...	8.728	8.678	460.2E6	123.9E6	75.087	74.984
Target Compounds						
16) L4 AR-1242-1	4.777	4.760	138.8E6	98433273	760.056	754.308
17) L4 AR-1242-2	4.795	4.779	194.6E6	142.9E6	757.844	758.056
18) L4 AR-1242-3	4.852	4.954	135.2E6	75743354	752.044	758.804
19) L4 AR-1242-4	4.972	5.039	106.1E6	75592112	767.548	757.090
20) L4 AR-1242-5	5.625	5.559	114.3E6	92073122	747.129	748.398

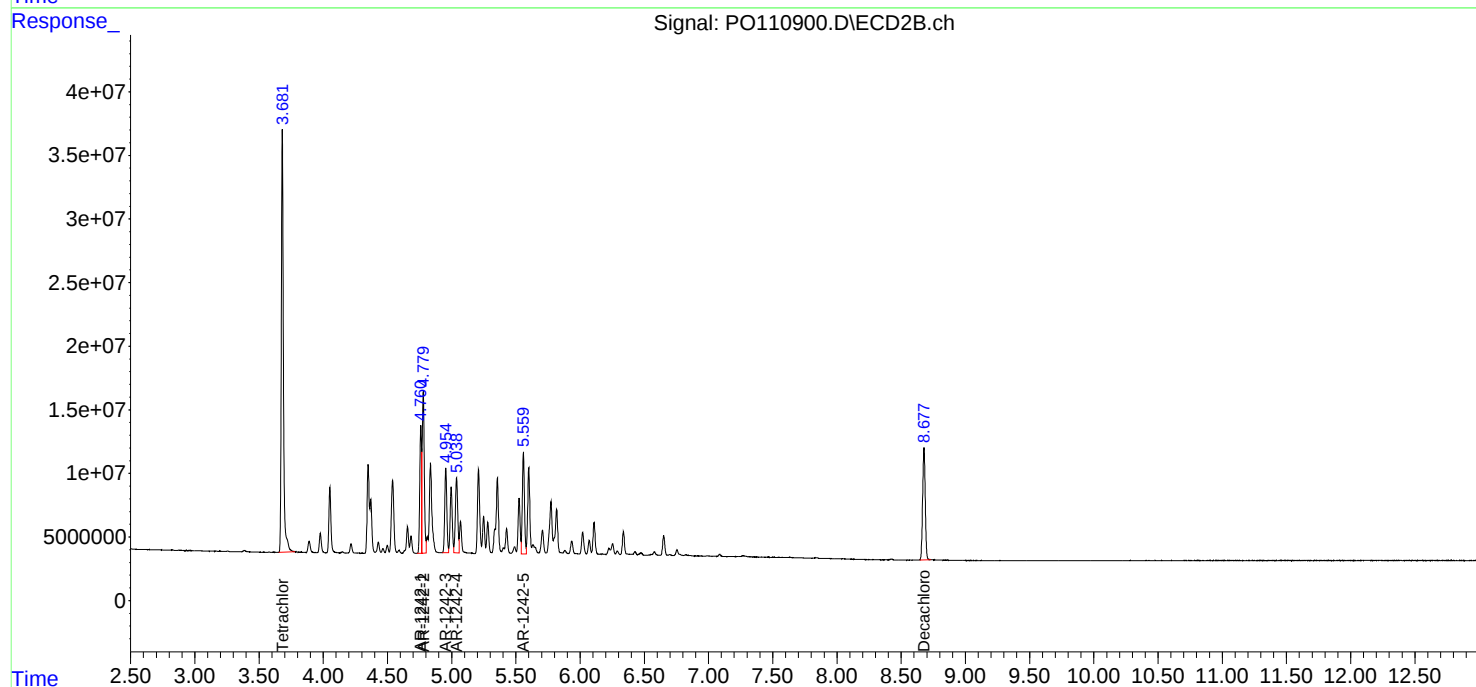
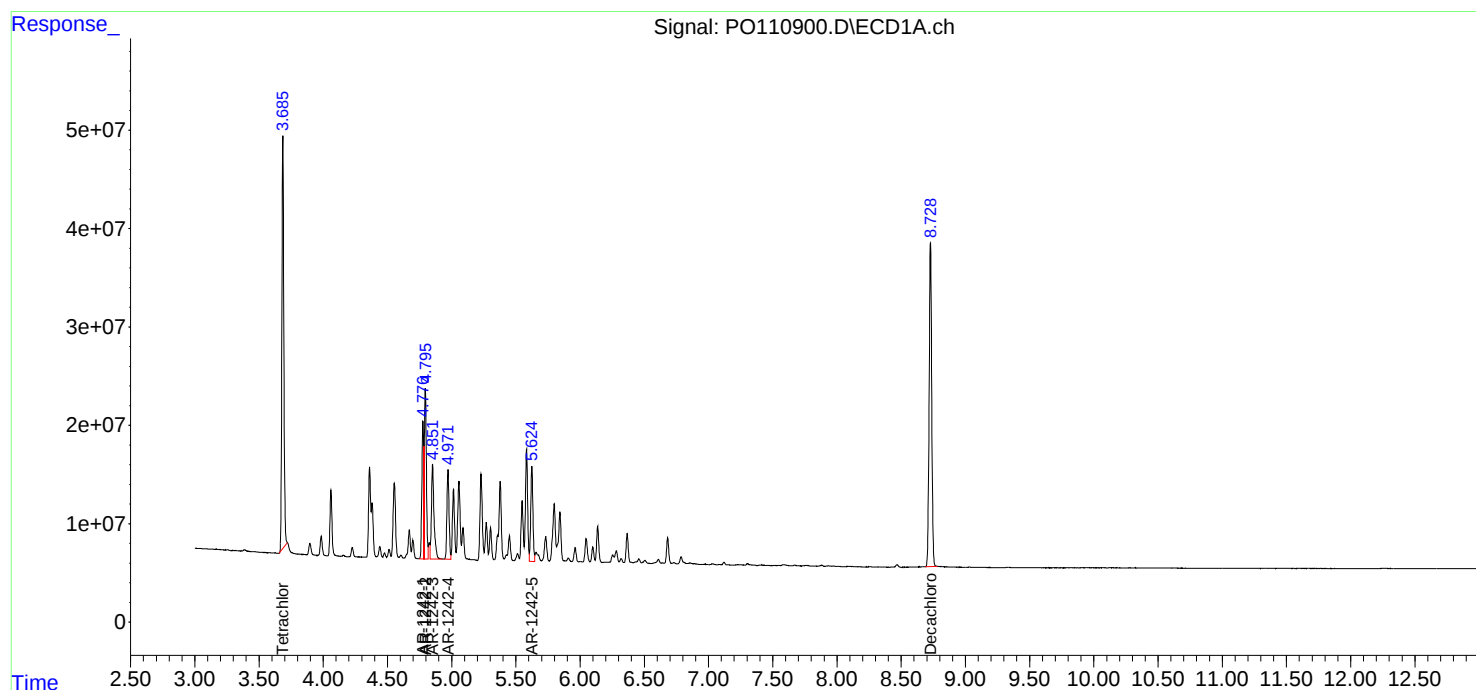
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

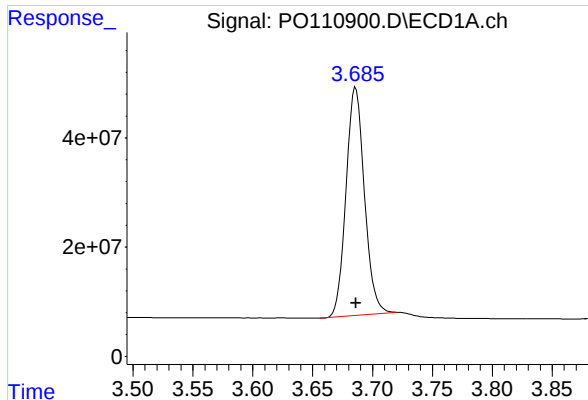
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 12:11
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 12:43:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 12:37:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

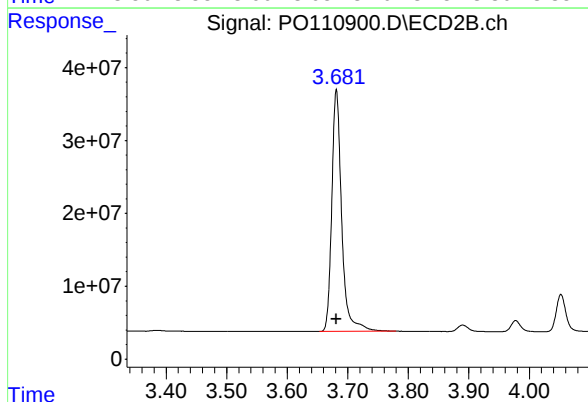




#1 Tetrachloro-m-xylene

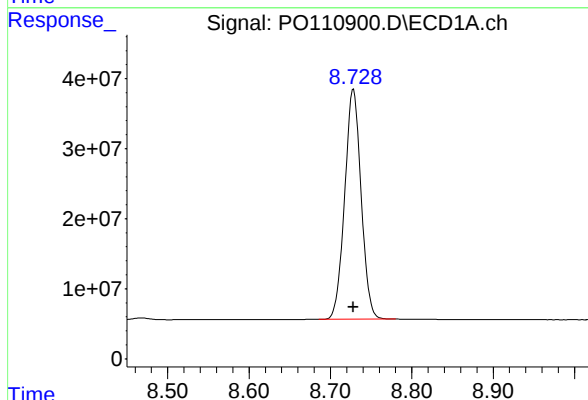
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 446473980
Conc: 75.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



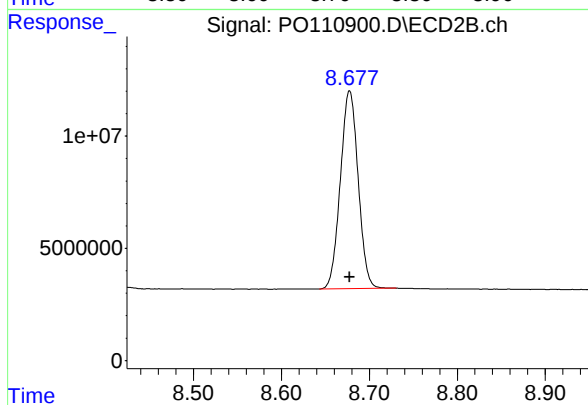
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 377336510
Conc: 75.81 ng/ml



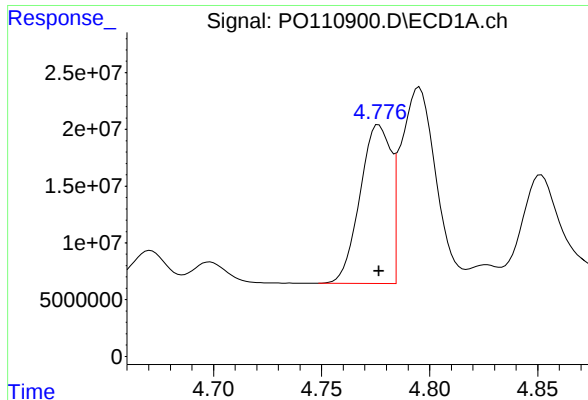
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 460185846
Conc: 75.09 ng/ml



#2 Decachlorobiphenyl

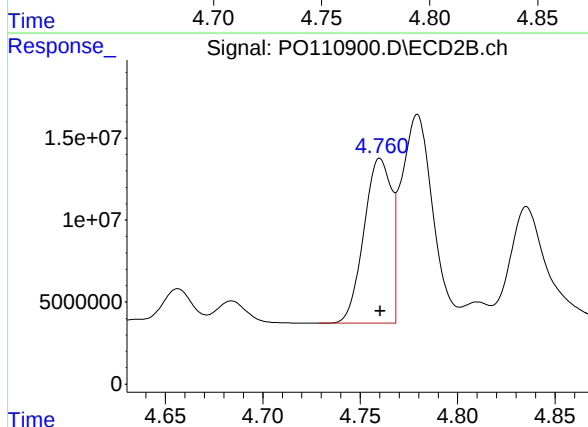
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 123877654
Conc: 74.98 ng/ml



#16 AR-1242-1

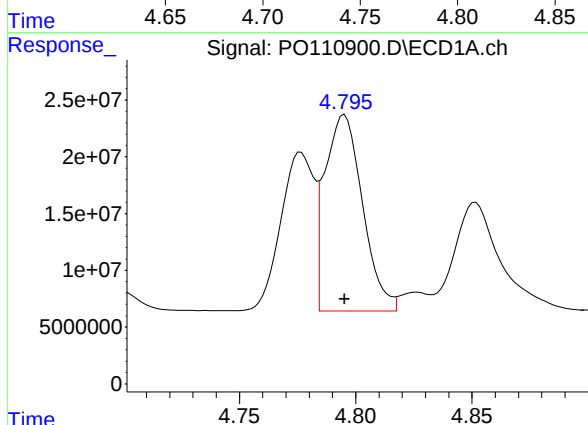
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 138837420
Conc: 760.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



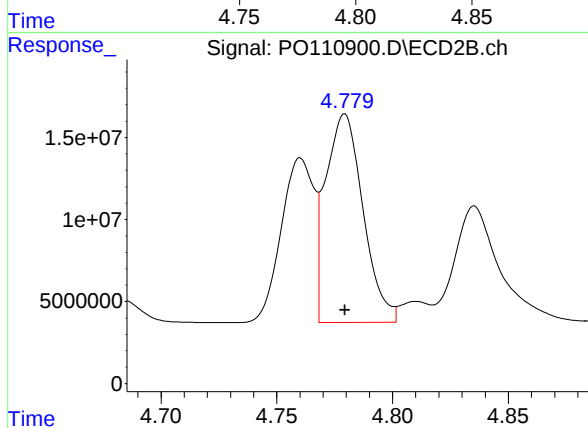
#16 AR-1242-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 98433273
Conc: 754.31 ng/ml



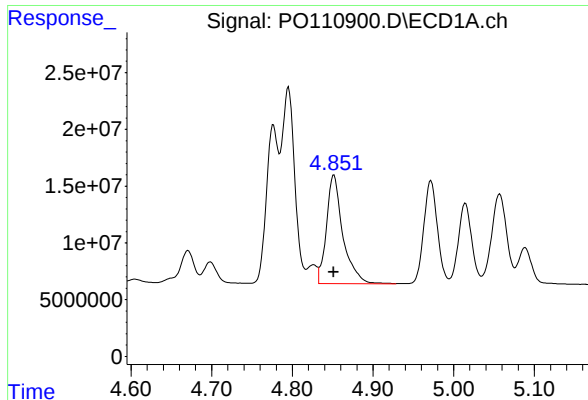
#17 AR-1242-2

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 194566543
Conc: 757.84 ng/ml



#17 AR-1242-2

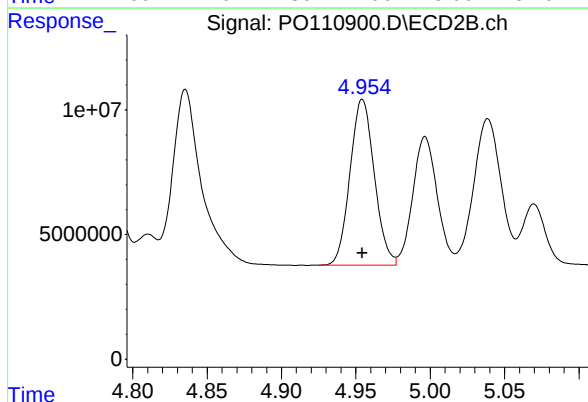
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 142903280
Conc: 758.06 ng/ml



#18 AR-1242-3

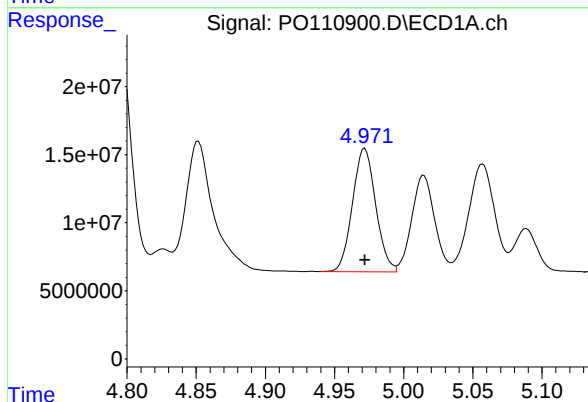
R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 135181790
Conc: 752.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



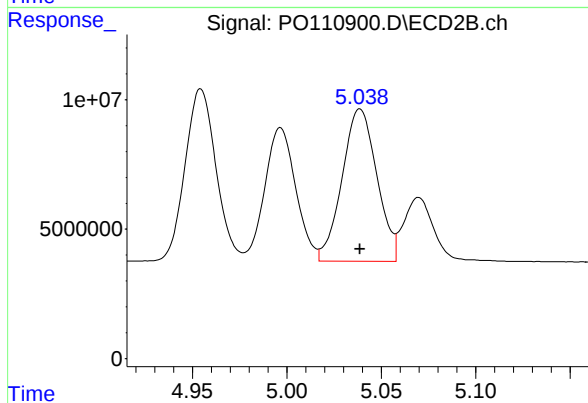
#18 AR-1242-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 75743354
Conc: 758.80 ng/ml



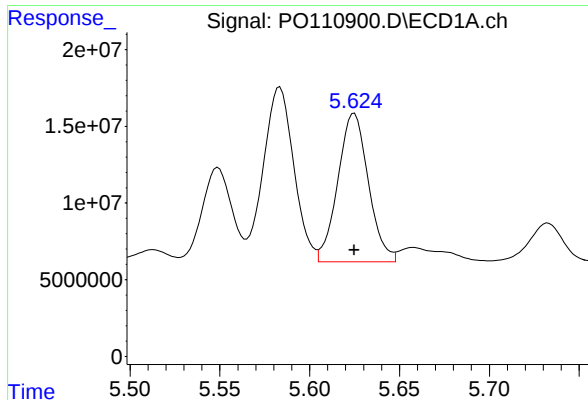
#19 AR-1242-4

R.T.: 4.972 min
Delta R.T.: 0.000 min
Response: 106128517
Conc: 767.55 ng/ml



#19 AR-1242-4

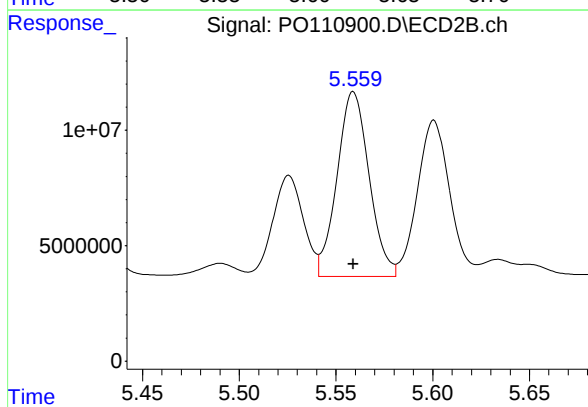
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 75592112
Conc: 757.09 ng/ml



#20 AR-1242-5

R.T.: 5.625 min
Delta R.T.: 0.000 min
Response: 114256591
Conc: 747.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.559 min
Delta R.T.: 0.000 min
Response: 92073122
Conc: 748.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110901.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 12:29
 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: May 02 12:37:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 12:37:00 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	3.681	294.8E6	247.6E6	50.000	50.000
2) SA Decachlor...	8.728	8.677	318.1E6	86153414	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.776	4.760	92951669	66771882	500.000	500.000
17) L4 AR-1242-2	4.795	4.779	131.2E6	95559690	500.000	500.000
18) L4 AR-1242-3	4.851	4.955	93773385	50364487	500.000	500.000
19) L4 AR-1242-4	4.971	5.039	68984065	50924005	500.000	500.000
20) L4 AR-1242-5	5.624	5.560	80995537	64235014	500.000	500.000

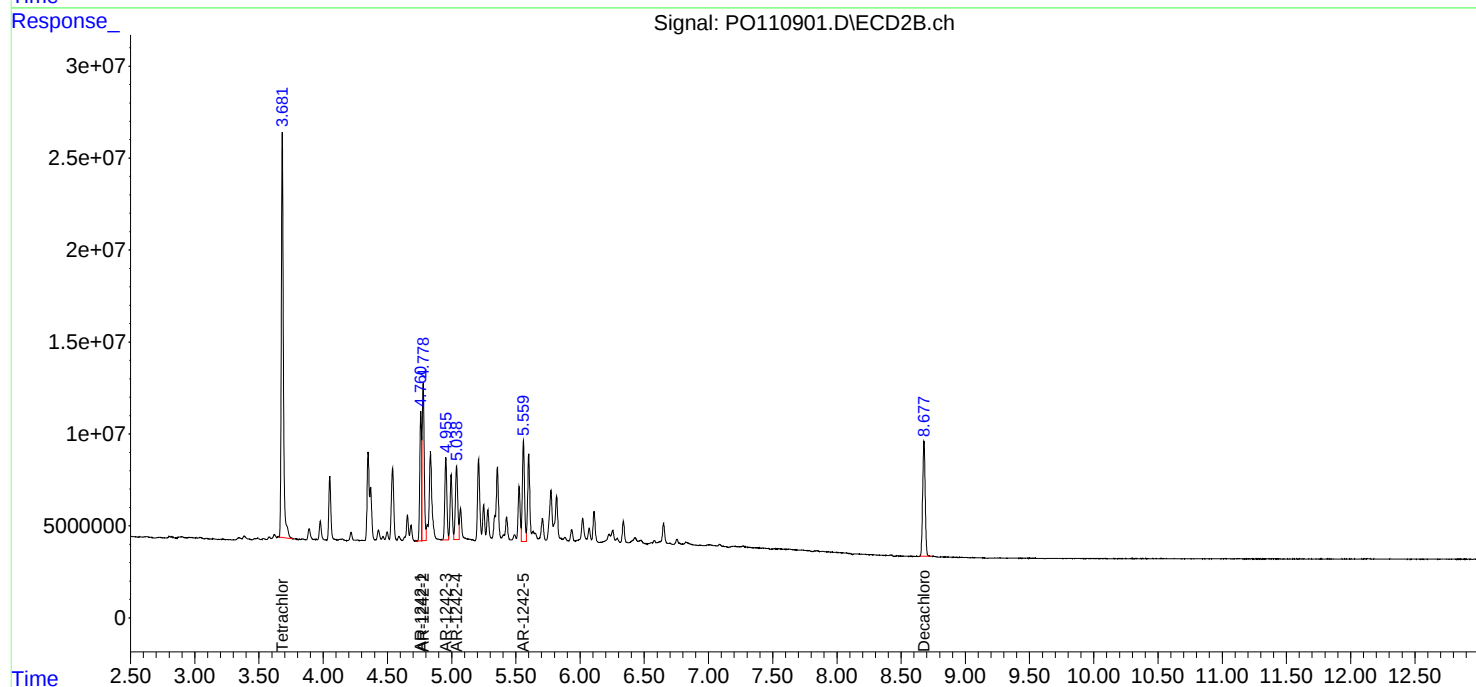
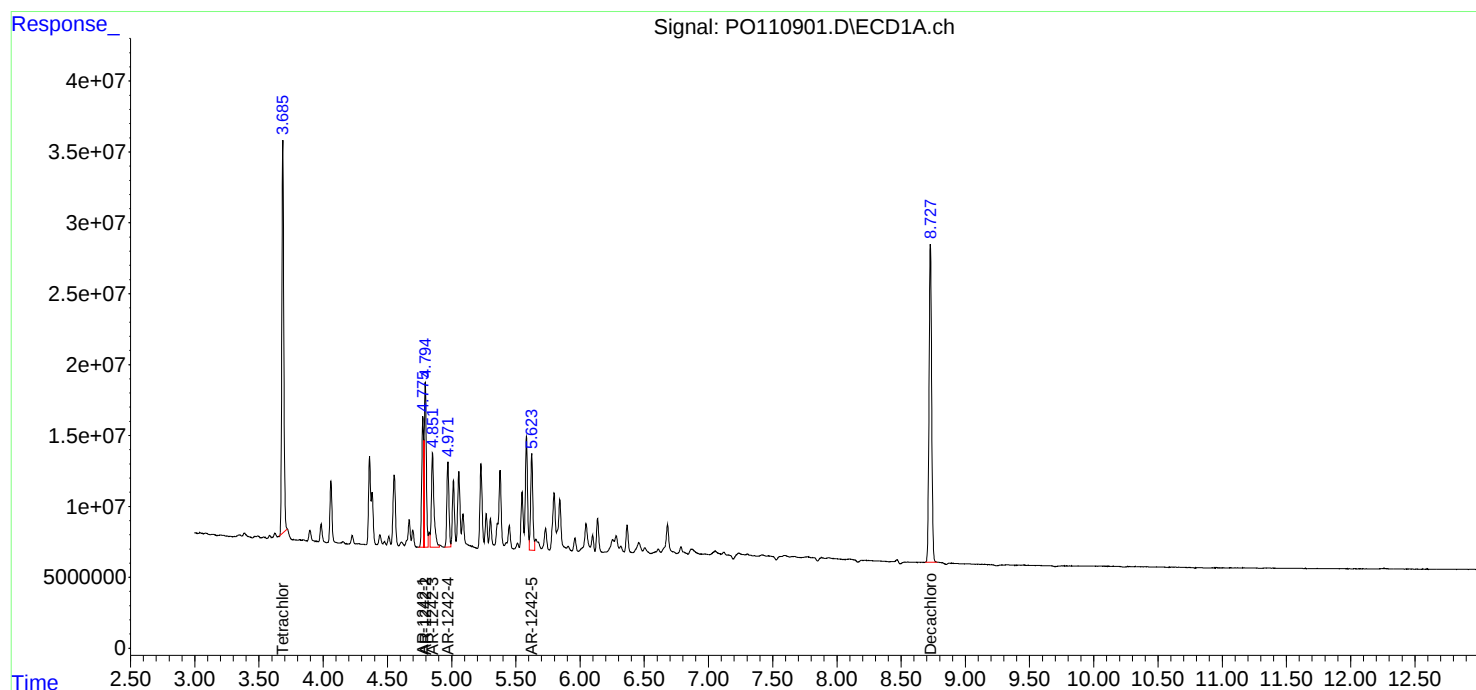
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

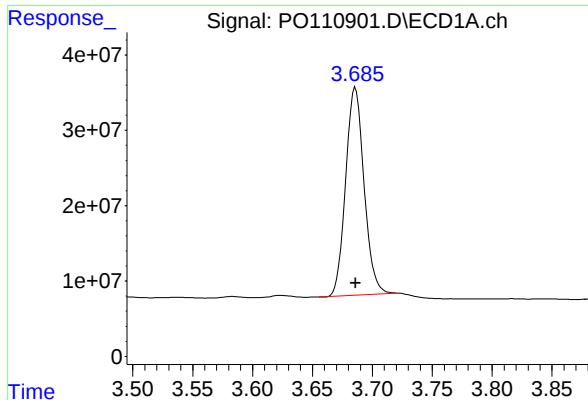
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 12:29
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 12:37:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 12:37:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

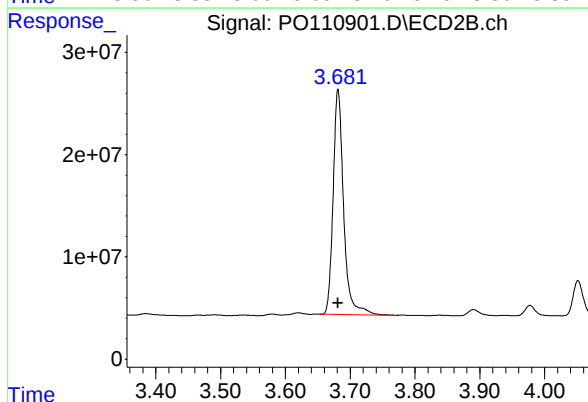




#1 Tetrachloro-m-xylene

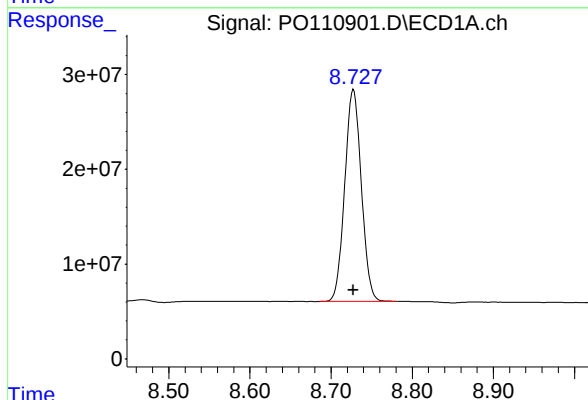
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 294754000
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



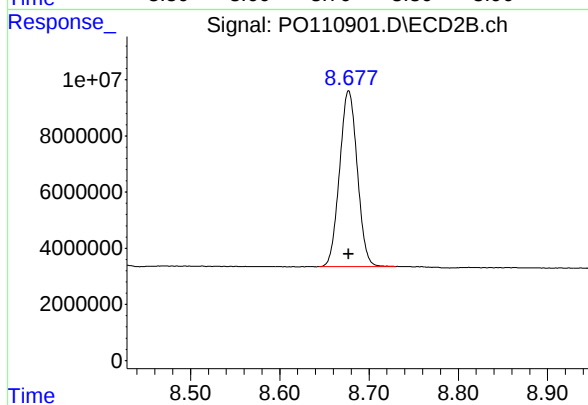
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 247587074
Conc: 50.00 ng/ml



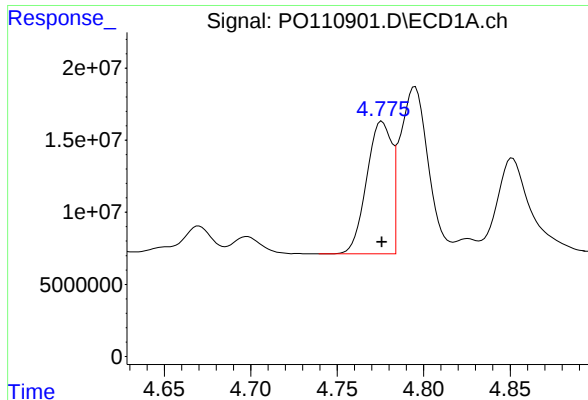
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 318086169
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

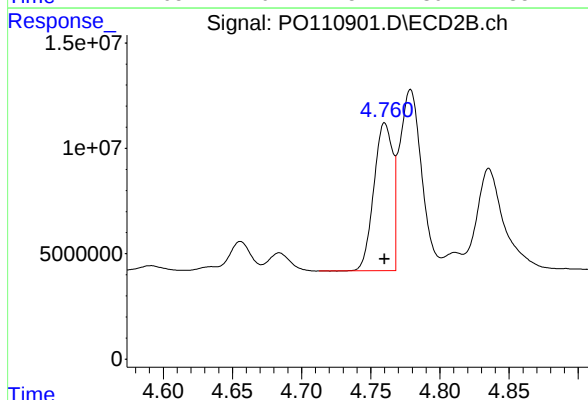
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 86153414
Conc: 50.00 ng/ml



#16 AR-1242-1

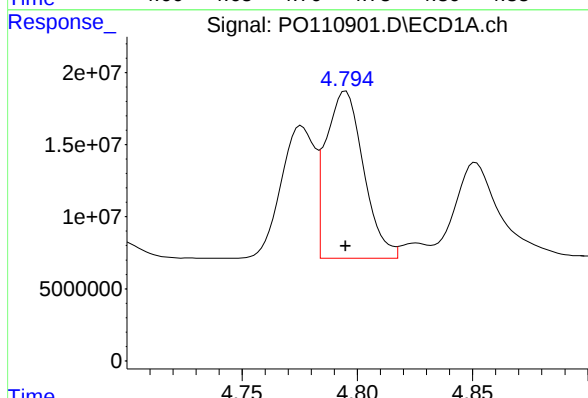
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 92951669
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



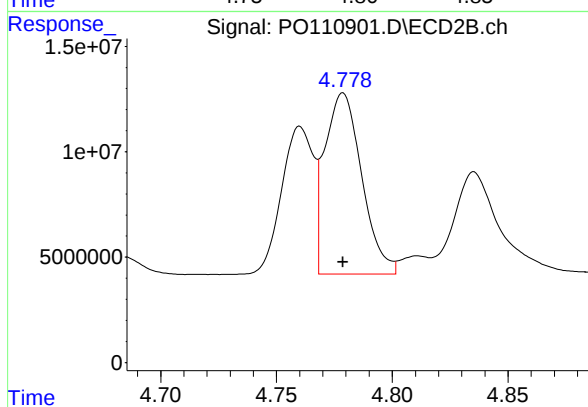
#16 AR-1242-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 66771882
Conc: 500.00 ng/ml



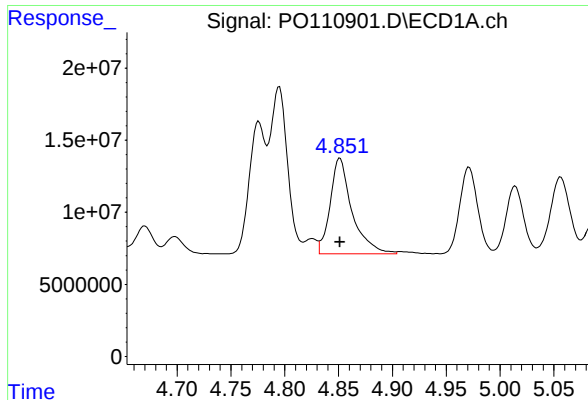
#17 AR-1242-2

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 131168534
Conc: 500.00 ng/ml



#17 AR-1242-2

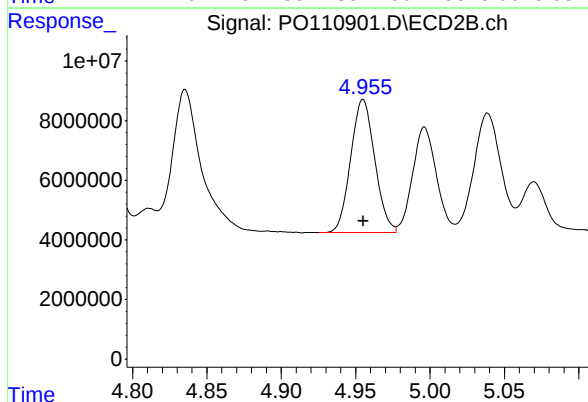
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 95559690
Conc: 500.00 ng/ml



#18 AR-1242-3

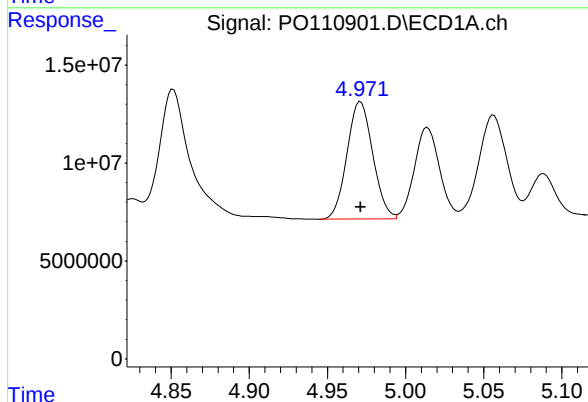
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 93773385
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



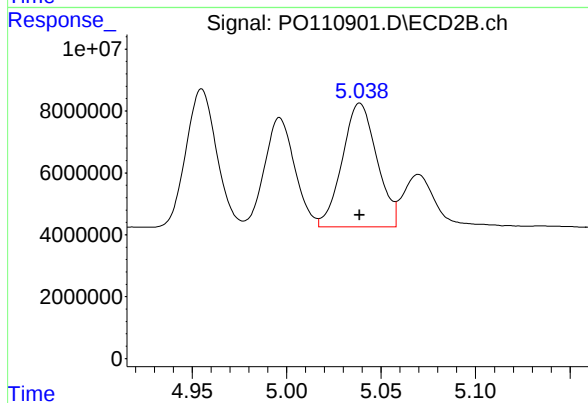
#18 AR-1242-3

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 50364487
Conc: 500.00 ng/ml



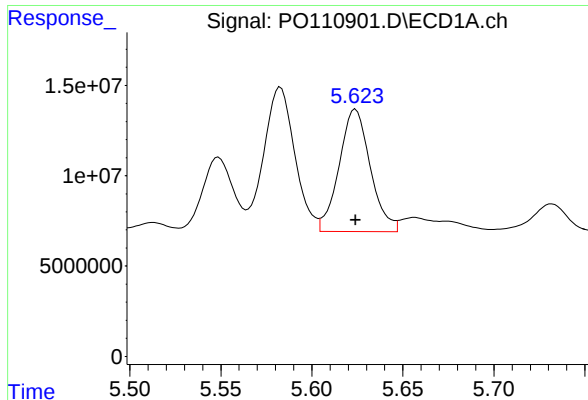
#19 AR-1242-4

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 68984065
Conc: 500.00 ng/ml



#19 AR-1242-4

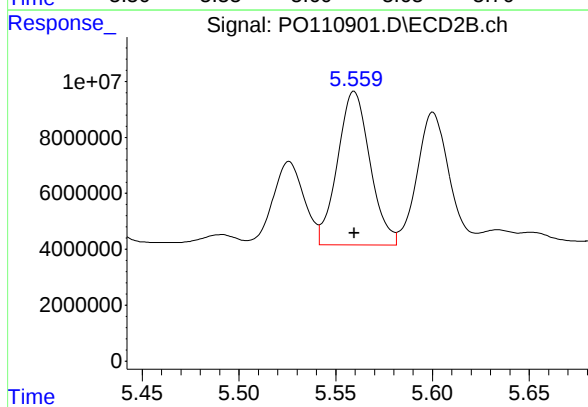
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 50924005
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 80995537
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.560 min
Delta R.T.: 0.000 min
Response: 64235014
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110902.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 12:48
 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: May 02 12:56:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 12:55:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.681	146.5E6	122.9E6	24.909	24.773
2) SA Decachlor...	8.728	8.677	169.7E6	46353742	26.968	27.226
Target Compounds						
16) L4 AR-1242-1	4.776	4.760	47966923	34365565	259.326	259.879
17) L4 AR-1242-2	4.795	4.779	67164450	49510044	258.606	259.358
18) L4 AR-1242-3	4.851	4.955	46325051	26360901	255.742	260.418
19) L4 AR-1242-4	4.971	5.039	36222152	27070746	258.870	265.517
20) L4 AR-1242-5	5.624	5.560	40019788	32392353	258.667	259.840

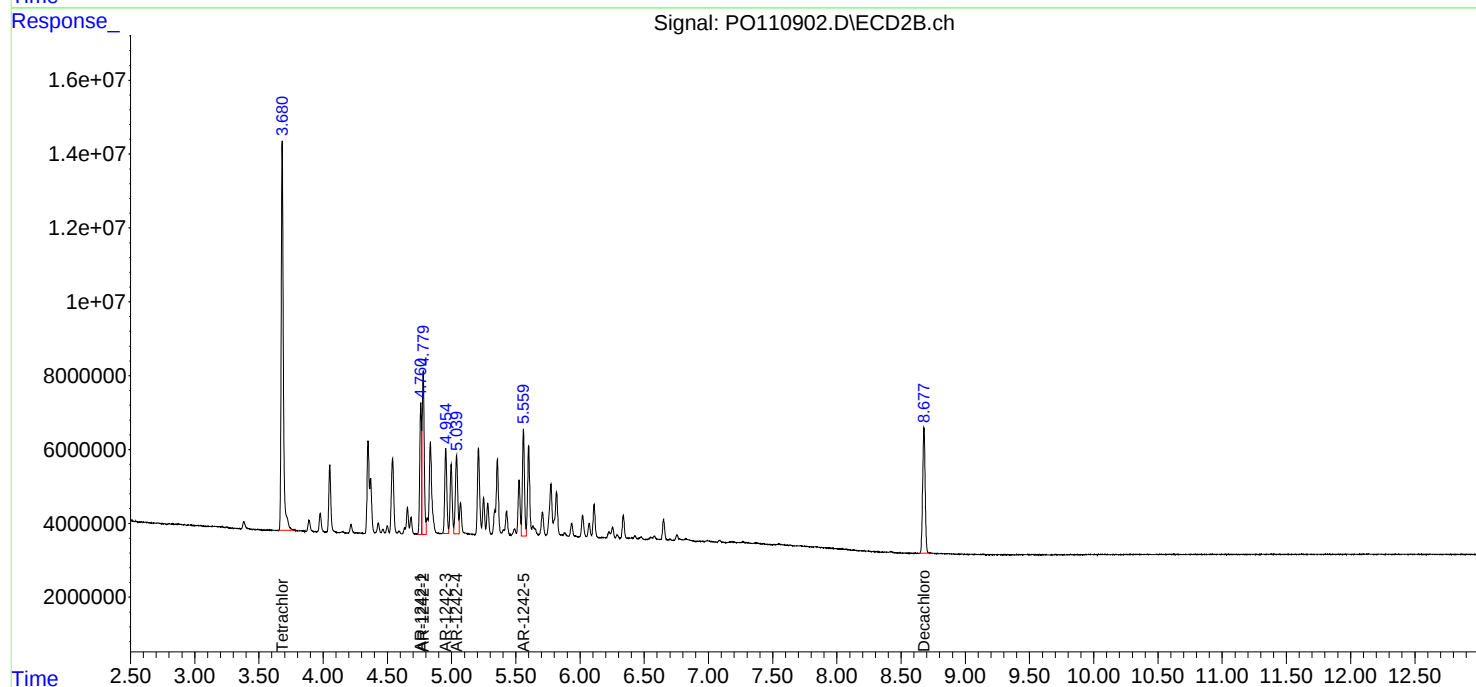
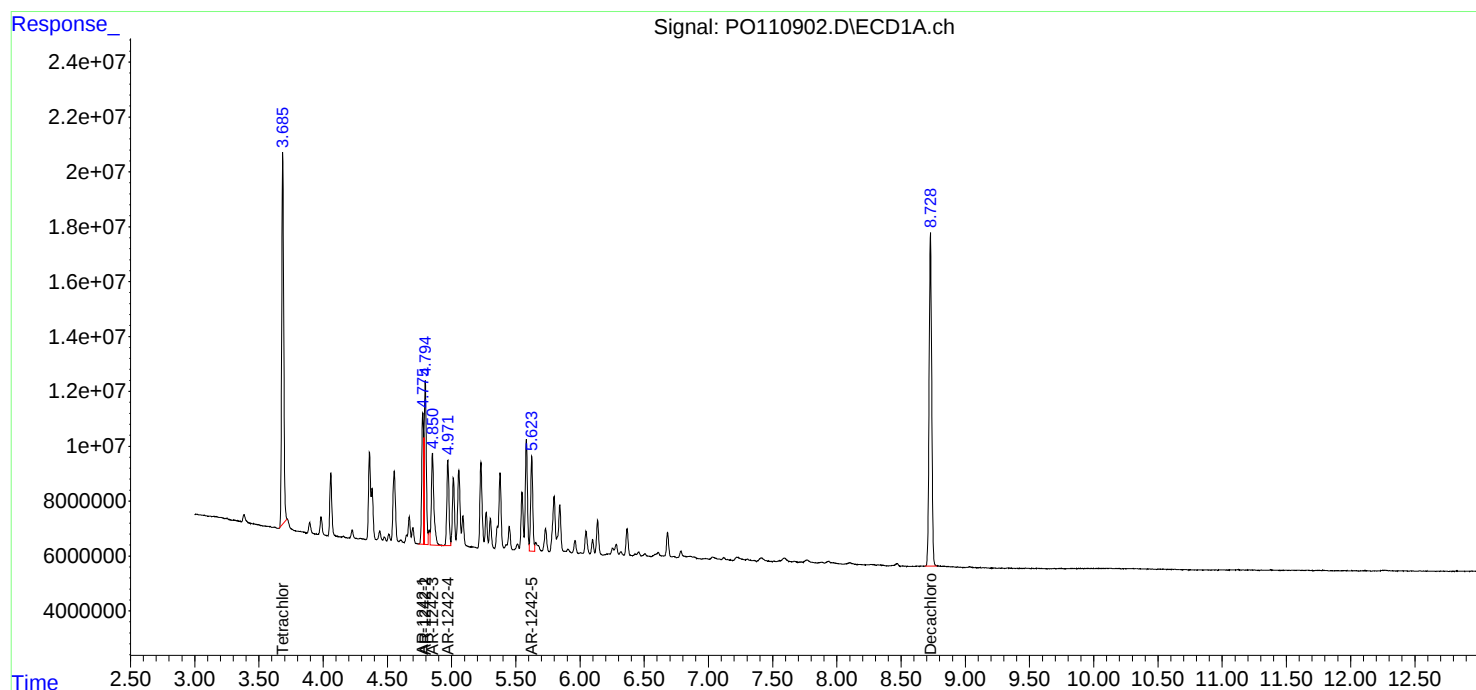
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

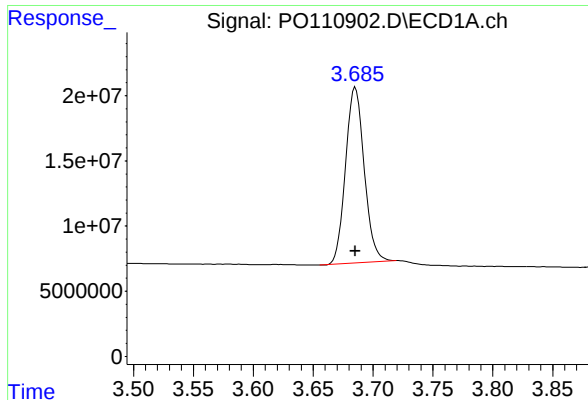
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 12:48
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 12:56:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 12:55:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

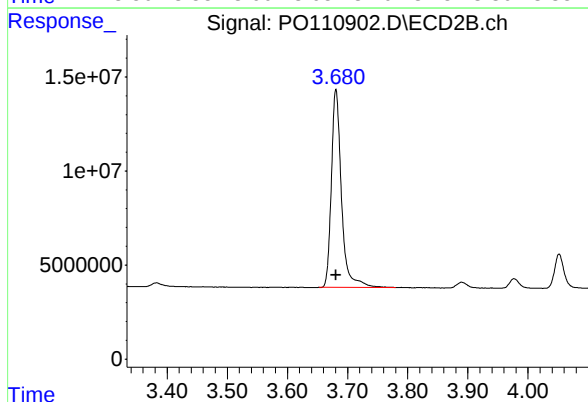




#1 Tetrachloro-m-xylene

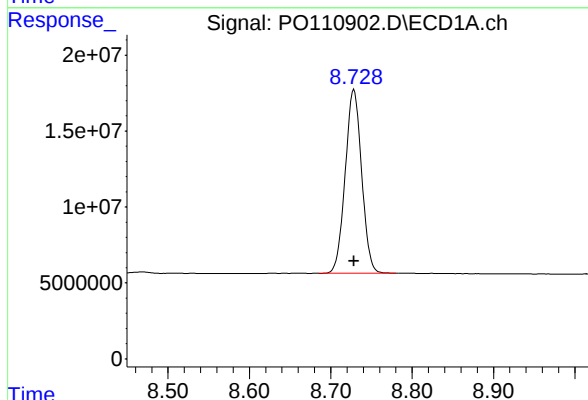
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 146488922
Conc: 24.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



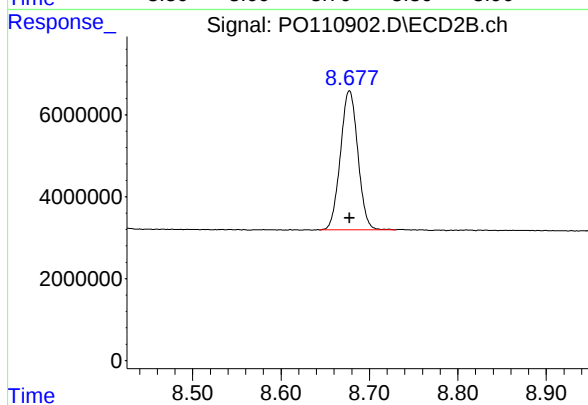
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 122932914
Conc: 24.77 ng/ml



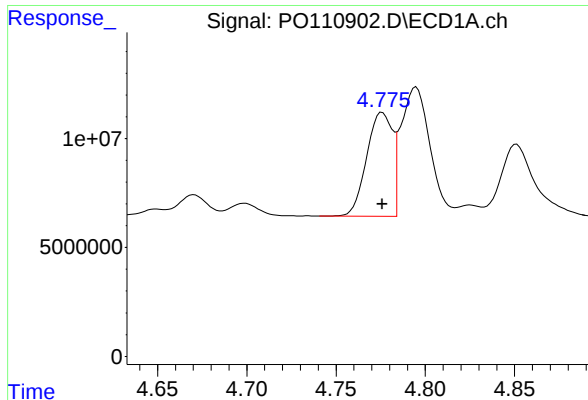
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 169730682
Conc: 26.97 ng/ml



#2 Decachlorobiphenyl

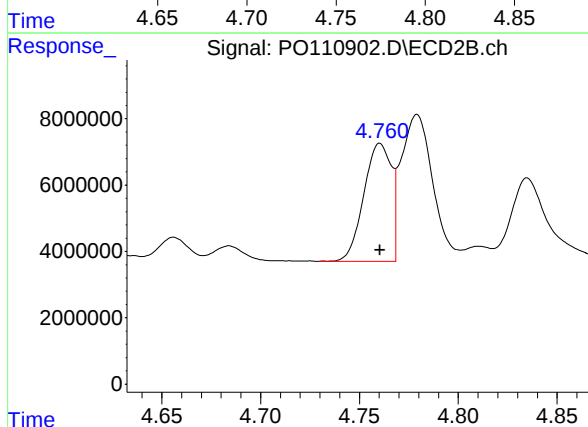
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 46353742
Conc: 27.23 ng/ml



#16 AR-1242-1

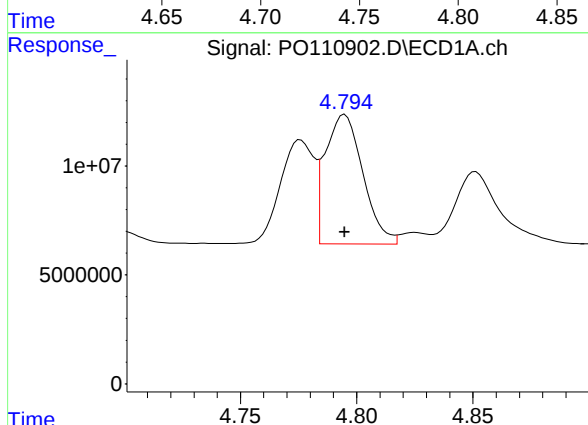
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 47966923
Conc: 259.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



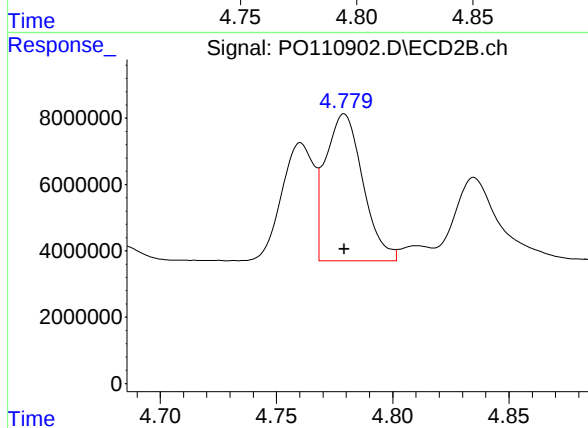
#16 AR-1242-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 34365565
Conc: 259.88 ng/ml



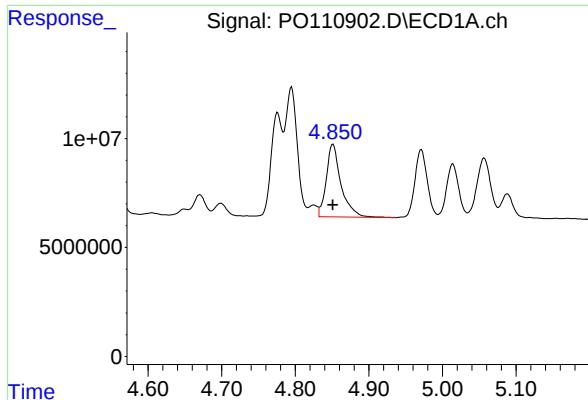
#17 AR-1242-2

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 67164450
Conc: 258.61 ng/ml



#17 AR-1242-2

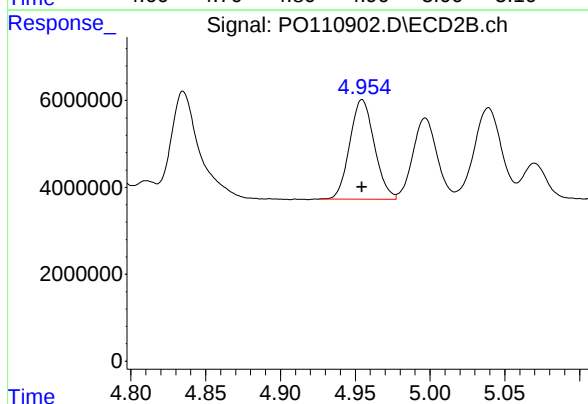
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 49510044
Conc: 259.36 ng/ml



#18 AR-1242-3

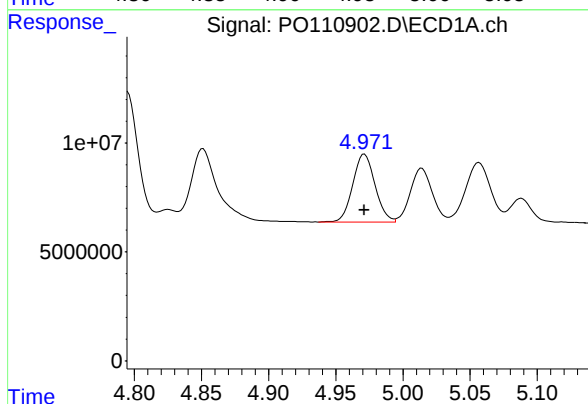
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 46325051
Conc: 255.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



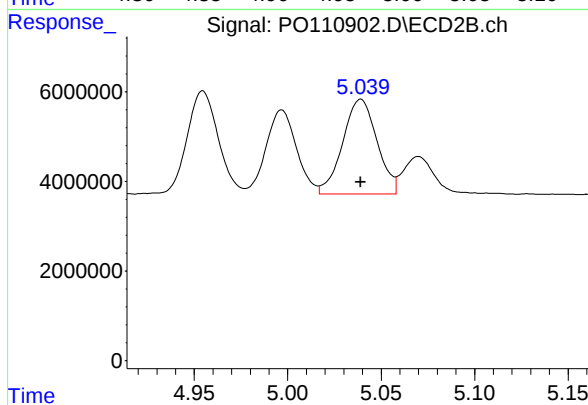
#18 AR-1242-3

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 26360901
Conc: 260.42 ng/ml



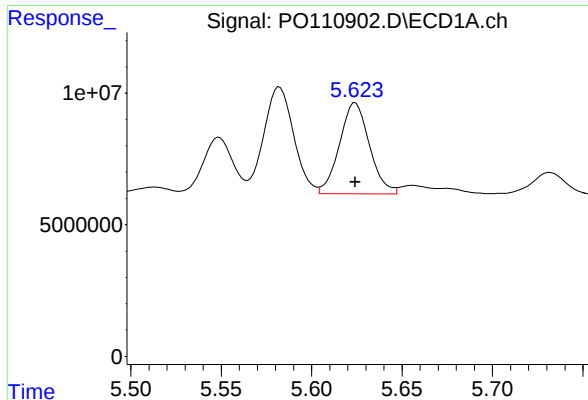
#19 AR-1242-4

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 36222152
Conc: 258.87 ng/ml



#19 AR-1242-4

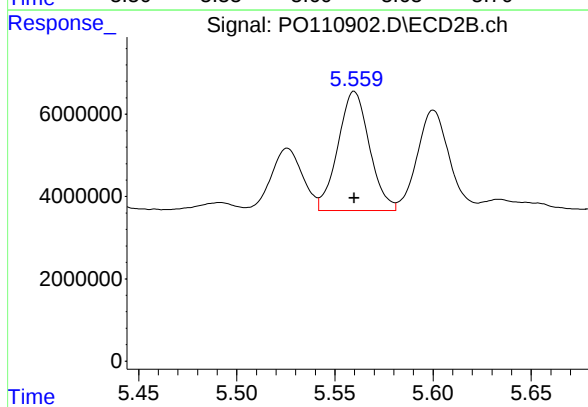
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 27070746
Conc: 265.52 ng/ml



#20 AR-1242-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 40019788
Conc: 258.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.560 min
Delta R.T.: 0.000 min
Response: 32392353
Conc: 259.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110903.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 13:06
 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: May 02 13:14:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 13:14:11 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.685	3.681	26290852	21660801	4.567	4.479
2) SA Decachlor...	8.728	8.677	32671925	9207509	5.152	5.321
Target Compounds						
16) L4 AR-1242-1	4.775	4.760	8988436	6634327	48.869	50.136
17) L4 AR-1242-2	4.794	4.779	12457603	9339630	48.359	49.137
18) L4 AR-1242-3	4.851	4.954	9299539	5085154	51.066	50.189
19) L4 AR-1242-4	4.971	5.039	6928413	5536593	49.612	53.385
20) L4 AR-1242-5	5.623	5.560	8030565	6708920	51.513	53.007

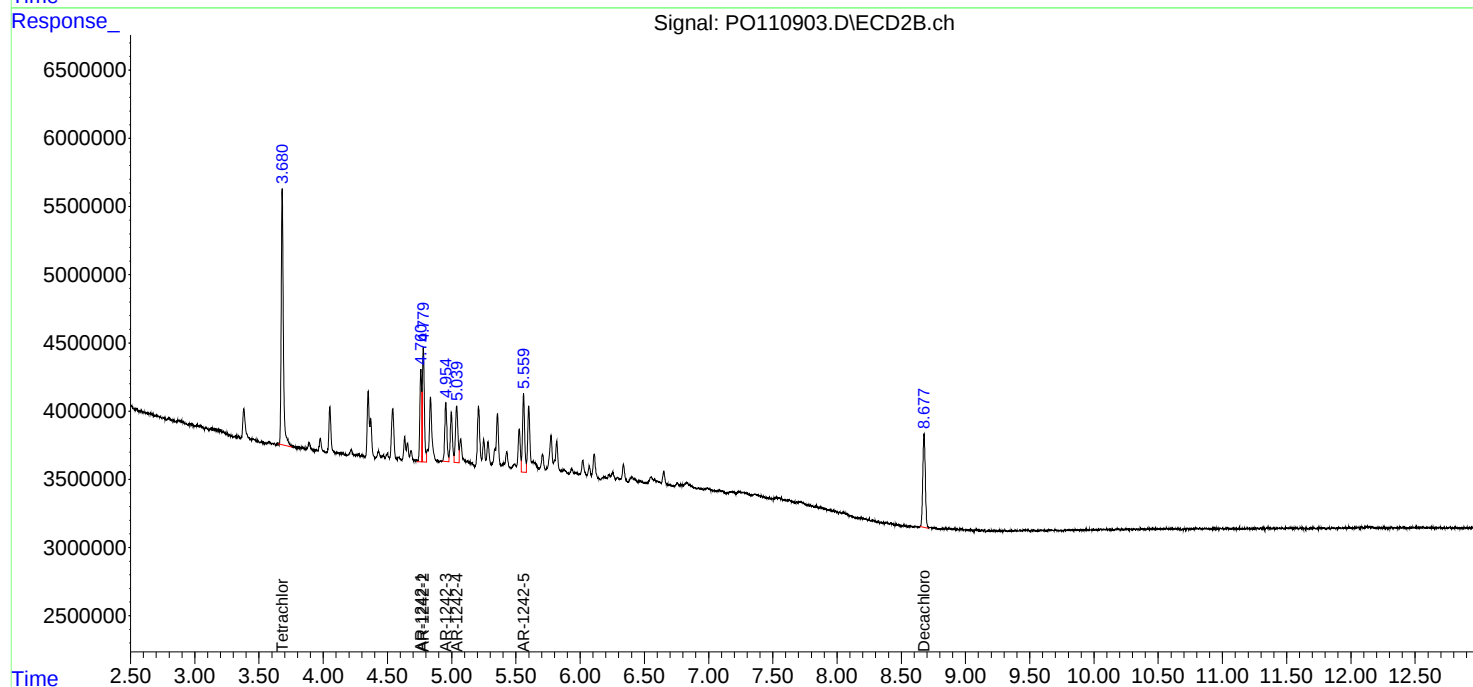
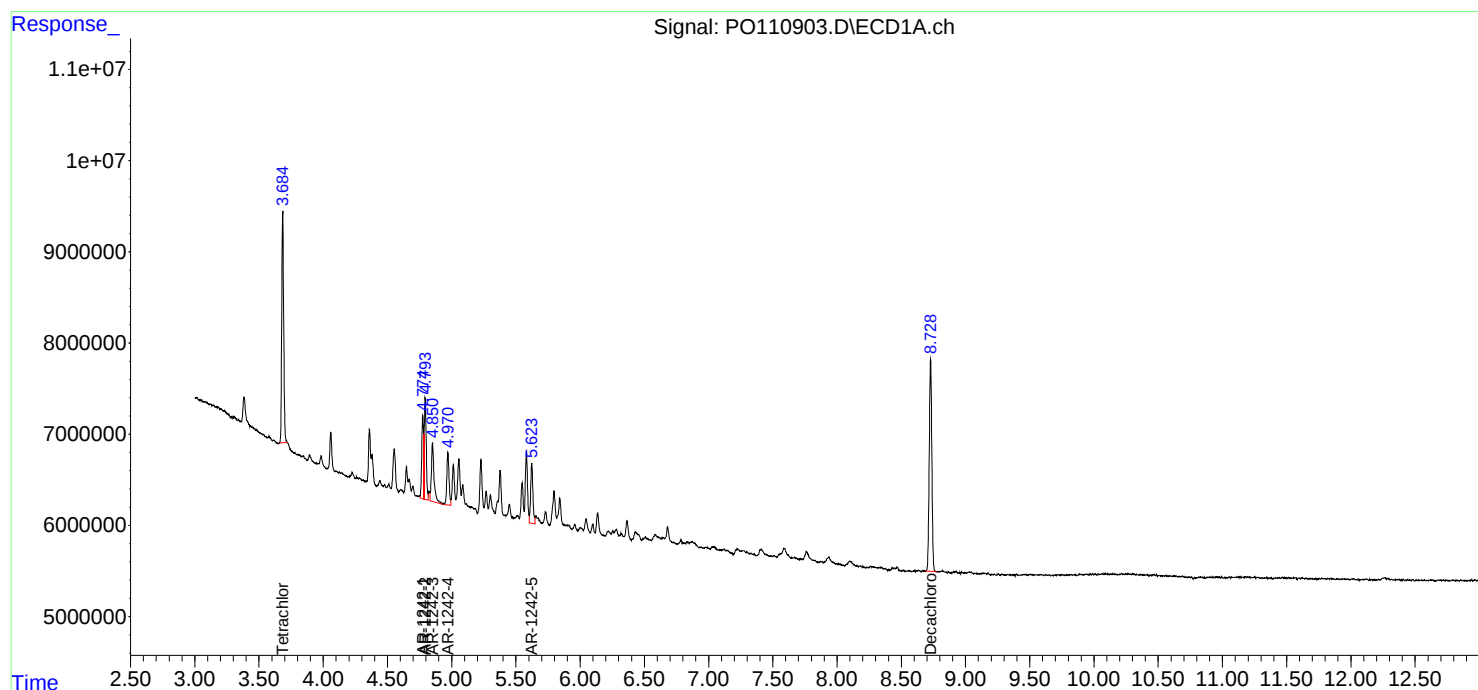
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

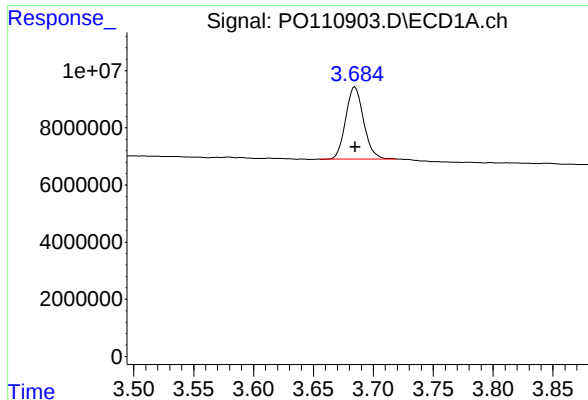
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 13:06
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 13:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 13:14:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

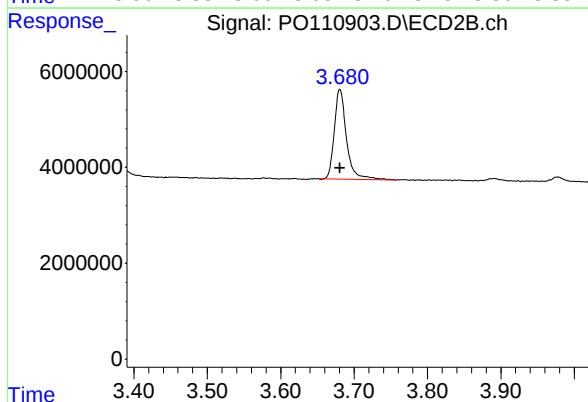




#1 Tetrachloro-m-xylene

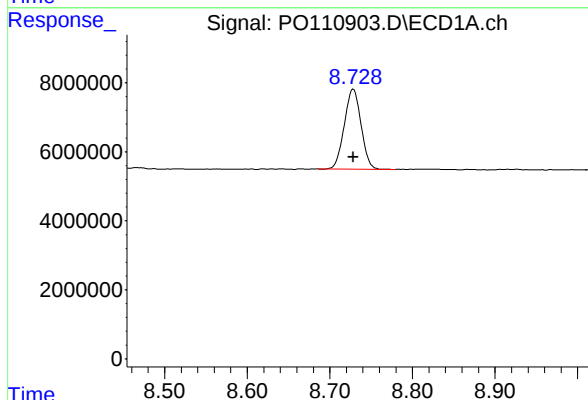
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 26290852
Conc: 4.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



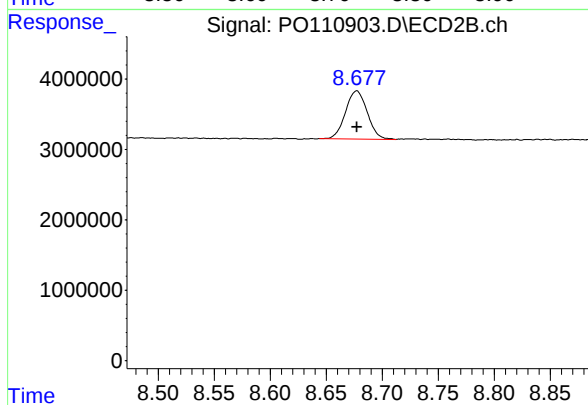
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 21660801
Conc: 4.48 ng/ml



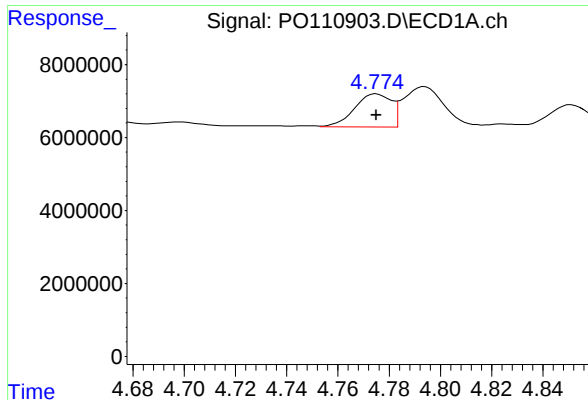
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 32671925
Conc: 5.15 ng/ml



#2 Decachlorobiphenyl

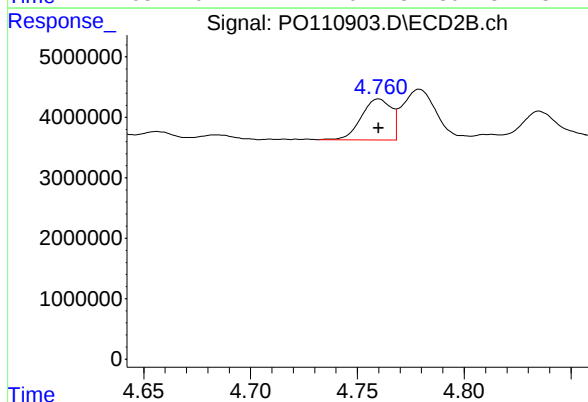
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 9207509
Conc: 5.32 ng/ml



#16 AR-1242-1

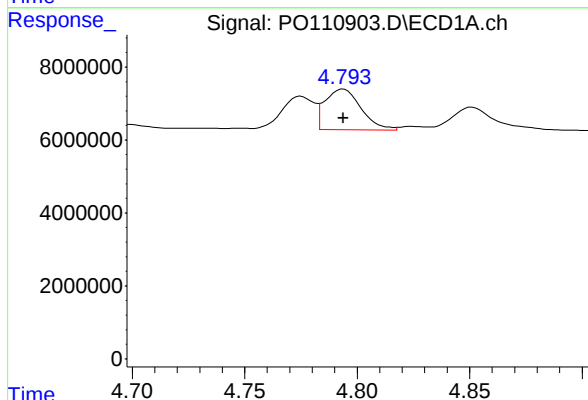
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 8988436
Conc: 48.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



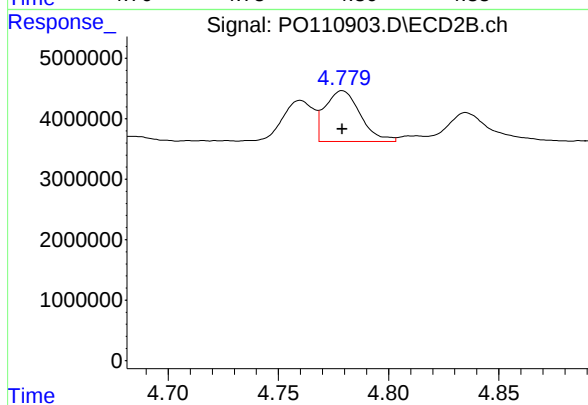
#16 AR-1242-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 6634327
Conc: 50.14 ng/ml



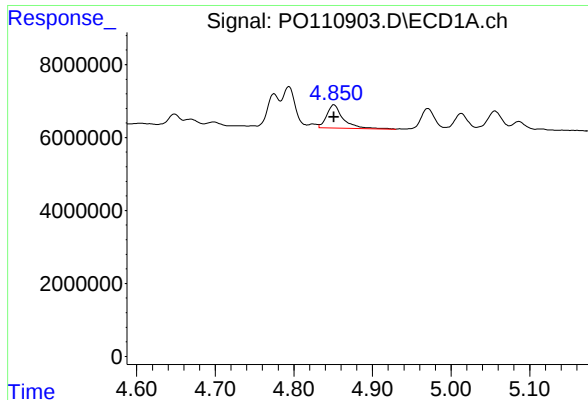
#17 AR-1242-2

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 12457603
Conc: 48.36 ng/ml



#17 AR-1242-2

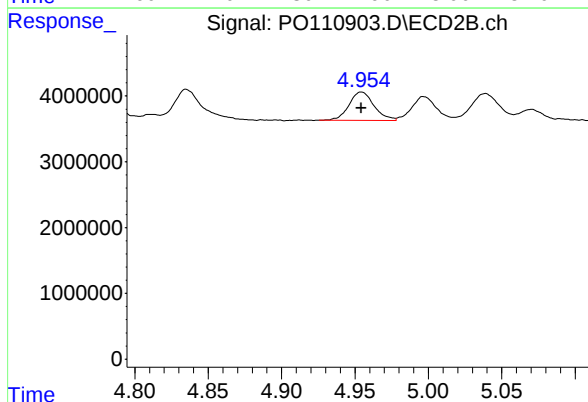
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 9339630
Conc: 49.14 ng/ml



#18 AR-1242-3

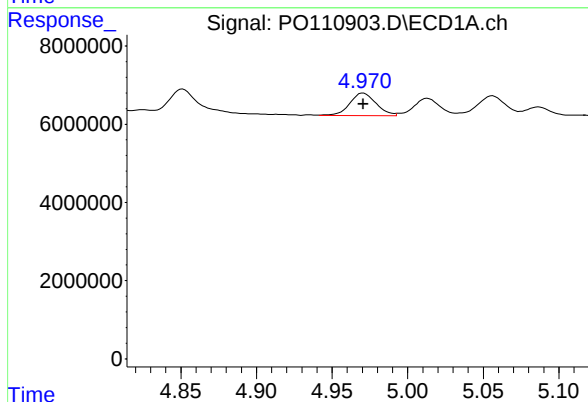
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 9299539
Conc: 51.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



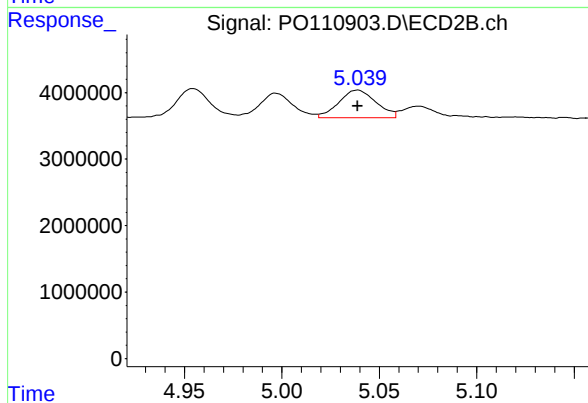
#18 AR-1242-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 5085154
Conc: 50.19 ng/ml



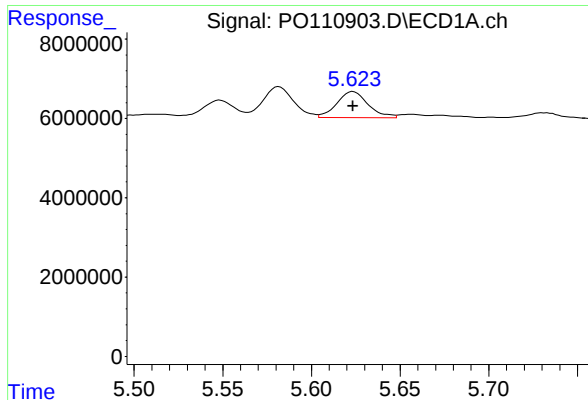
#19 AR-1242-4

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 6928413
Conc: 49.61 ng/ml



#19 AR-1242-4

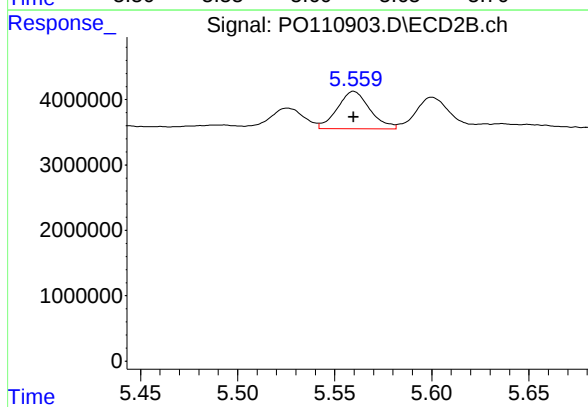
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 5536593
Conc: 53.39 ng/ml



#20 AR-1242-5

R.T.: 5.623 min
Delta R.T.: 0.000 min
Response: 8030565
Conc: 51.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.560 min
Delta R.T.: 0.000 min
Response: 6708920
Conc: 53.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110904.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 13:25
 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: May 02 14:11:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 14:08:26 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...	3.685	3.682	536.0E6	452.3E6	97.257	98.115
2) SA Decachlor...	8.728	8.677	589.1E6	158.9E6	98.140	97.284
Target Compounds						
21) L5 AR-1248-1	4.775	4.760	121.5E6	87941740	964.038	957.720
22) L5 AR-1248-2	5.014	4.997	162.7E6	122.9E6	974.982	972.514
23) L5 AR-1248-3	5.229	5.039	203.4E6	130.6E6	951.625	962.382
24) L5 AR-1248-4	5.582	5.210	300.1E6	152.9E6	949.801	955.495
25) L5 AR-1248-5	5.624	5.601	214.6E6	153.8E6	946.132	959.961

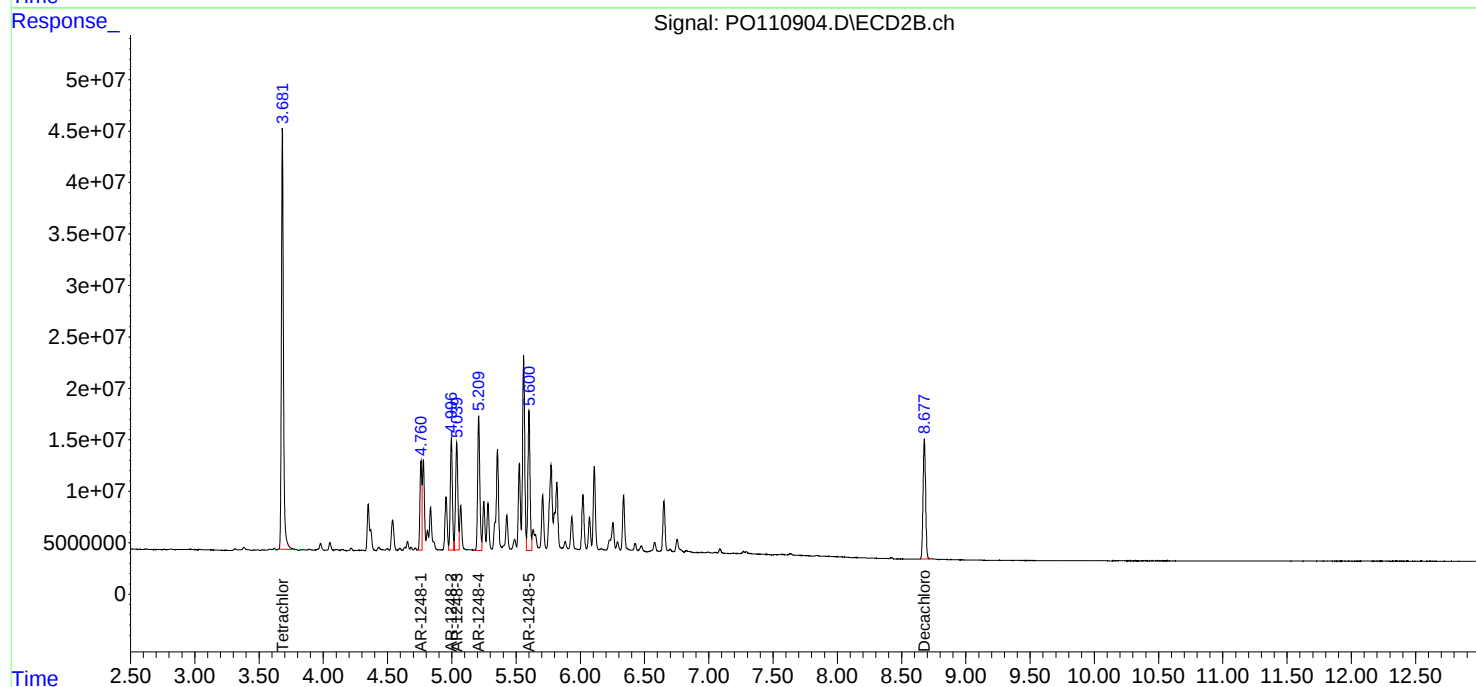
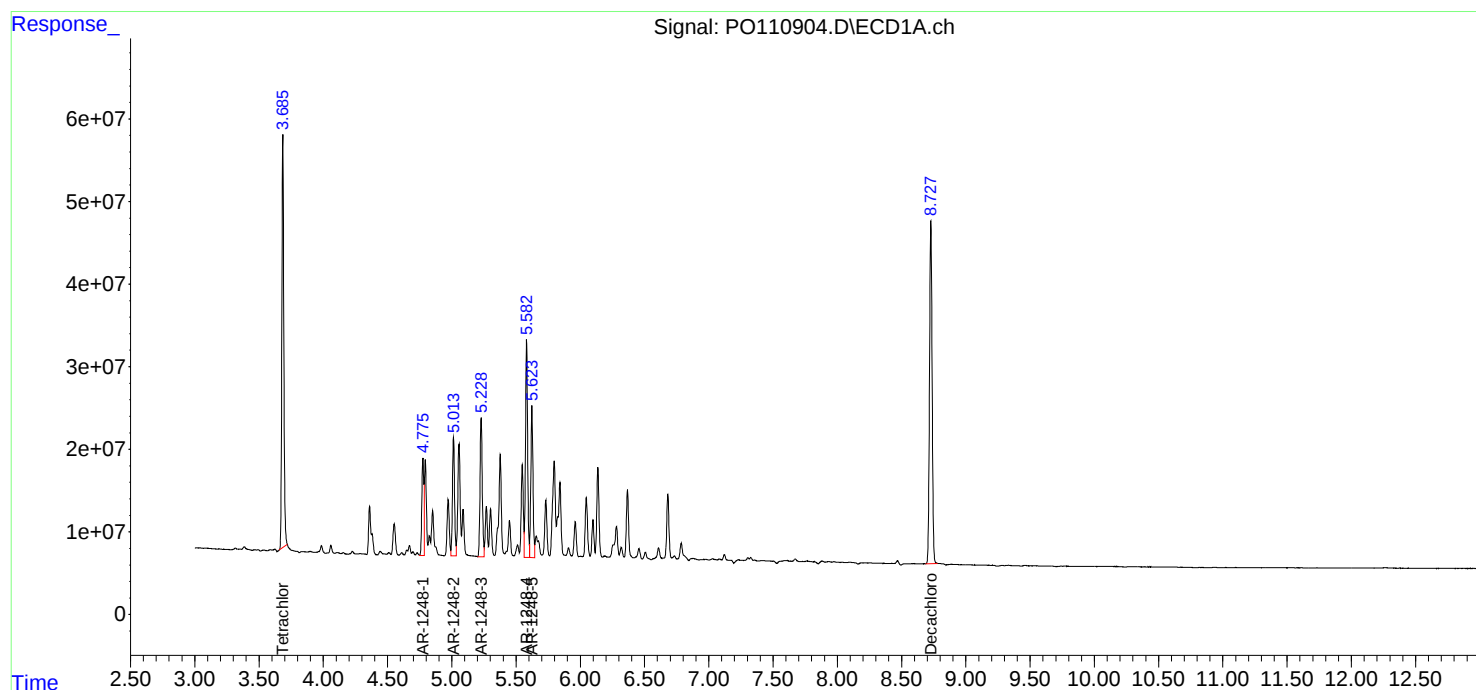
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

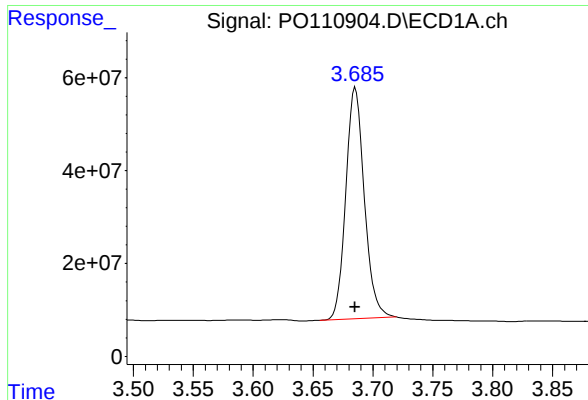
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 13:25
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 14:11:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 14:08:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

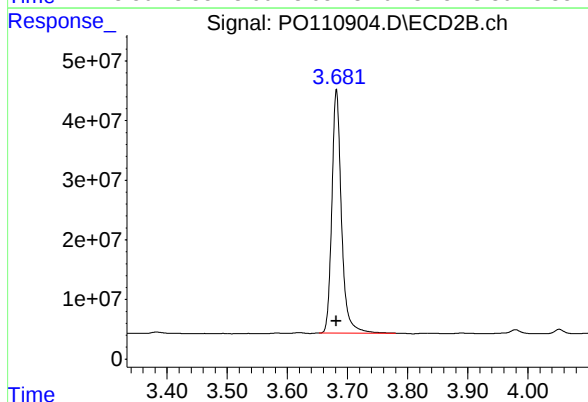




#1 Tetrachloro-m-xylene

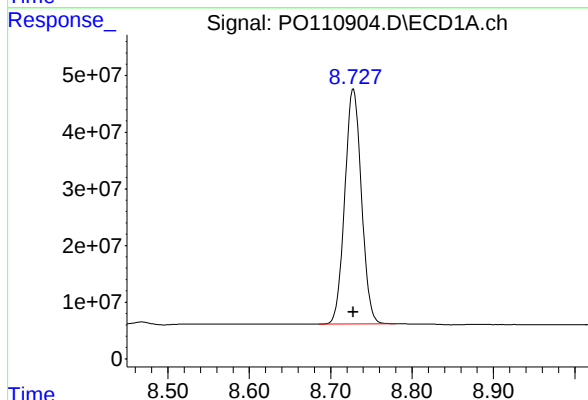
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 536049547
Conc: 97.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



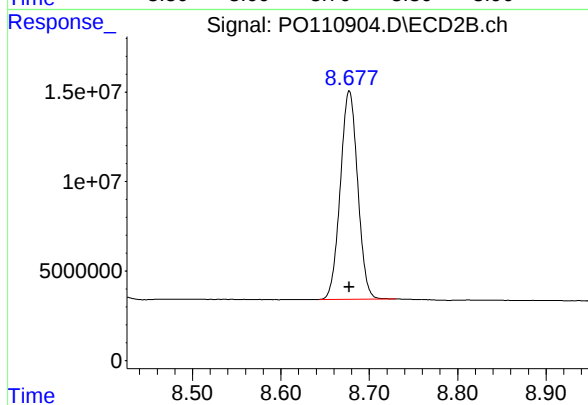
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 452343240
Conc: 98.12 ng/ml



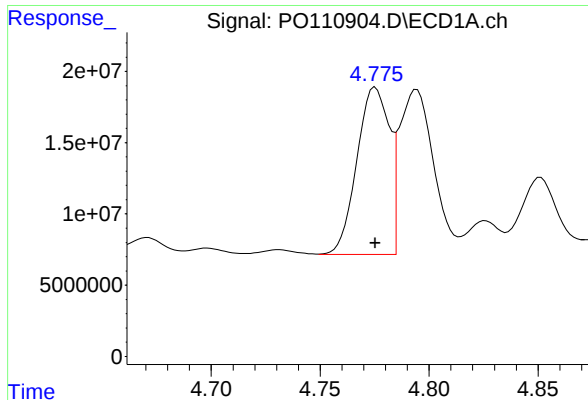
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 589054147
Conc: 98.14 ng/ml



#2 Decachlorobiphenyl

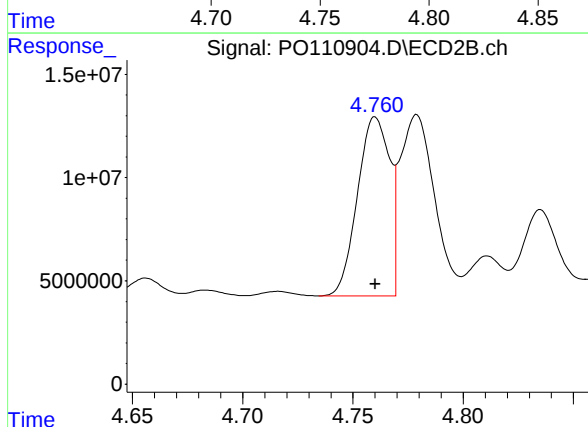
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 158881071
Conc: 97.28 ng/ml



#21 AR-1248-1

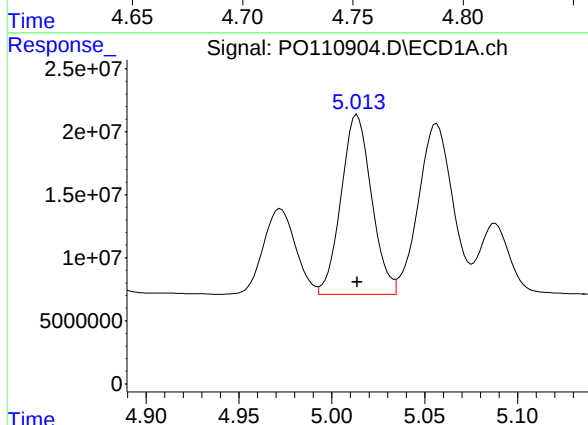
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 121536205
Conc: 964.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



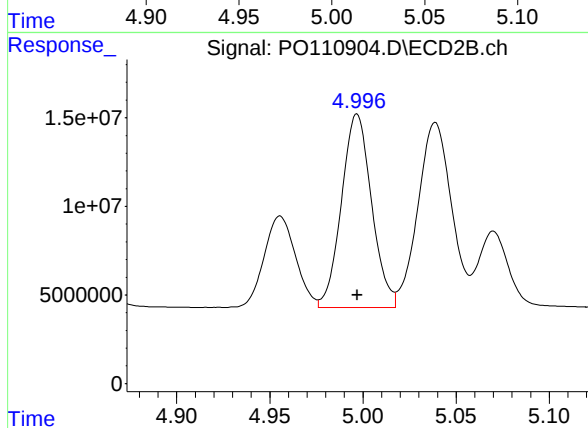
#21 AR-1248-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 87941740
Conc: 957.72 ng/ml



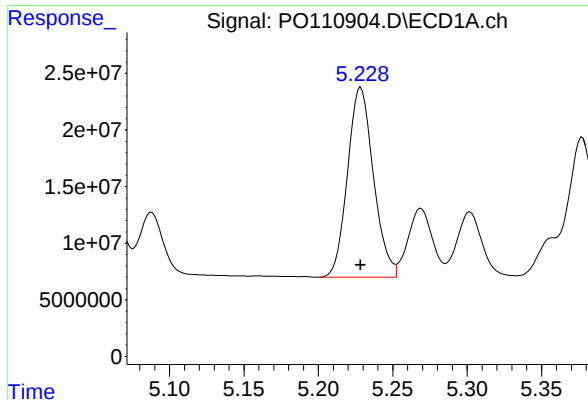
#22 AR-1248-2

R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 162731657
Conc: 974.98 ng/ml



#22 AR-1248-2

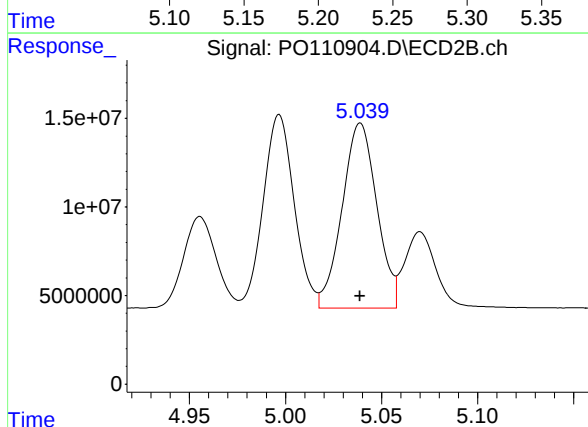
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 122909953
Conc: 972.51 ng/ml



#23 AR-1248-3

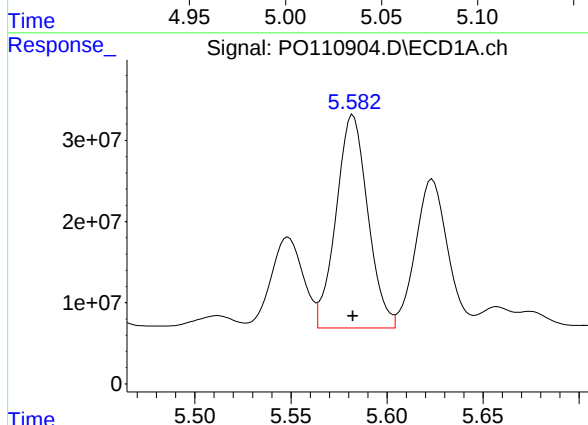
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 203361335
Conc: 951.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



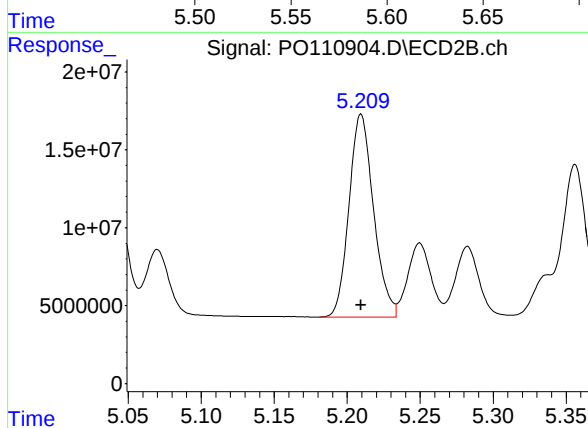
#23 AR-1248-3

R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 130631111
Conc: 962.38 ng/ml



#24 AR-1248-4

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 300072071
Conc: 949.80 ng/ml



#24 AR-1248-4

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 152910119
Conc: 955.49 ng/ml

Response_

Signal: PO110904.D\ECD1A.ch

#25 AR-1248-5

R.T.: 5.624 min

Delta R.T.: 0.000 min

Response: 214600452

Conc: 946.13 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC1000

3e+07

2e+07

1e+07

0

5.623

+

5.55 5.60 5.65 5.70

Time

Response_

Signal: PO110904.D\ECD2B.ch

#25 AR-1248-5

R.T.: 5.601 min

Delta R.T.: 0.000 min

Response: 153836776

Conc: 959.96 ng/ml

2.5e+07

2e+07

1.5e+07

1e+07

5000000

0

5.600

+

5.50 5.55 5.60 5.65 5.70

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110905.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 13:43
 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: May 02 14:13:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 14:08:26 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...	3.685	3.681	415.0E6	348.6E6	75.194	75.407
2) SA Decachlor...	8.727	8.678	451.2E6	122.1E6	75.117	74.848
Target Compounds						
21) L5 AR-1248-1	4.775	4.760	95778949	69721162	756.458	756.169
22) L5 AR-1248-2	5.014	4.996	128.5E6	96107768	763.213	756.931
23) L5 AR-1248-3	5.229	5.038	159.7E6	102.5E6	748.203	753.355
24) L5 AR-1248-4	5.582	5.209	236.7E6	119.7E6	749.486	748.755
25) L5 AR-1248-5	5.624	5.600	170.3E6	120.7E6	750.670	752.217

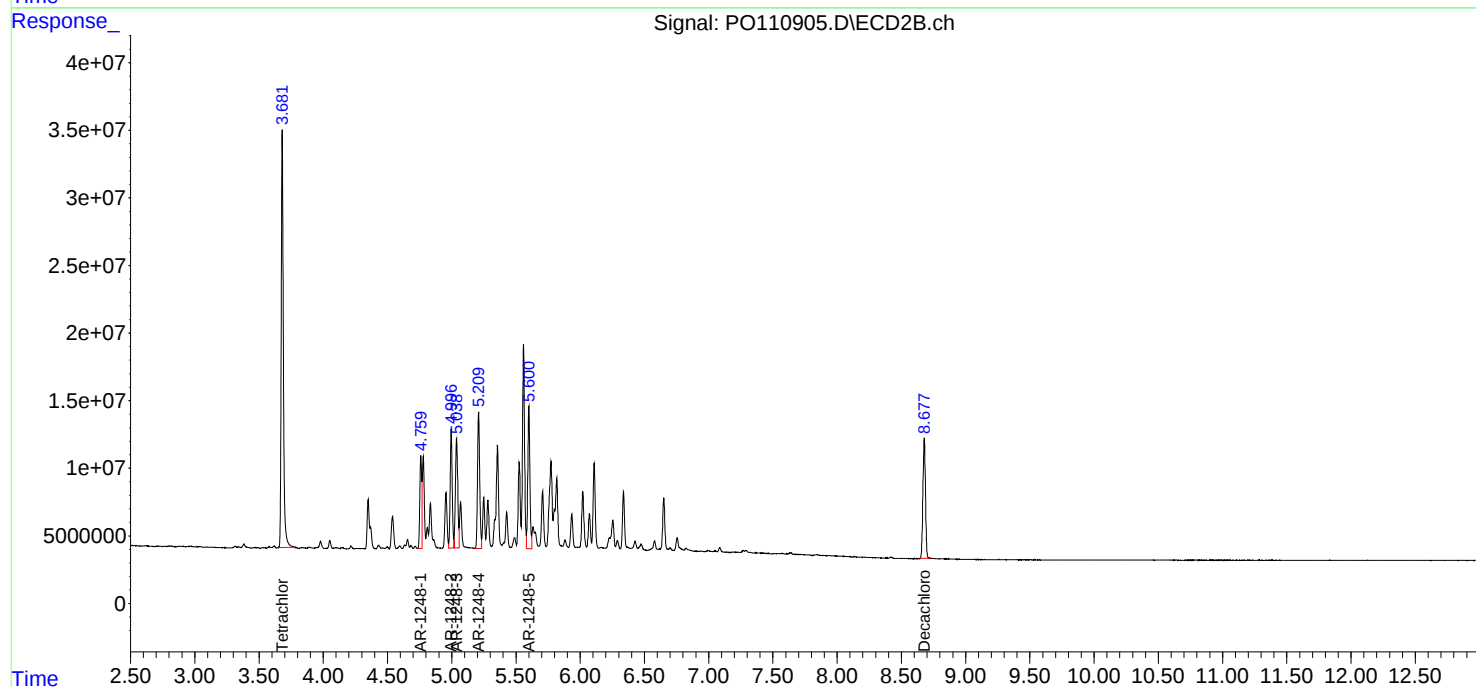
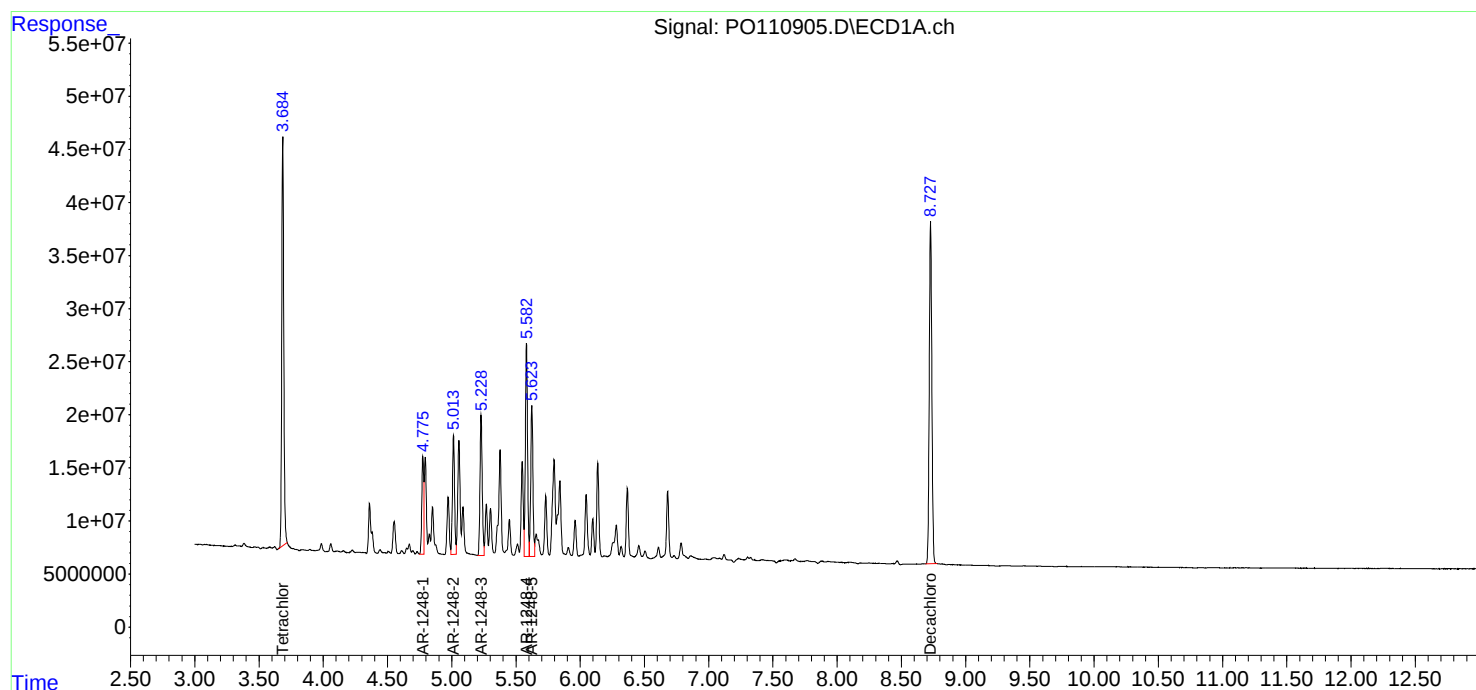
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

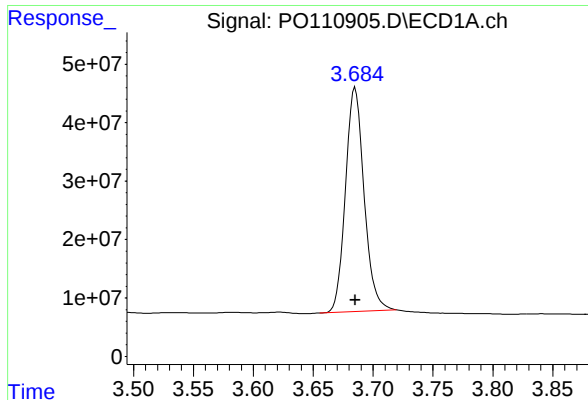
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 13:43
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 14:13:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 14:08:26 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

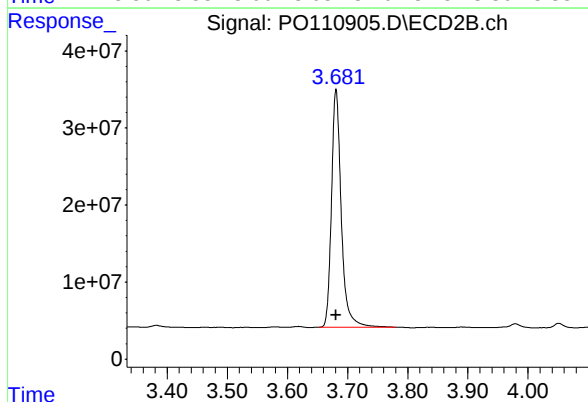




#1 Tetrachloro-m-xylene

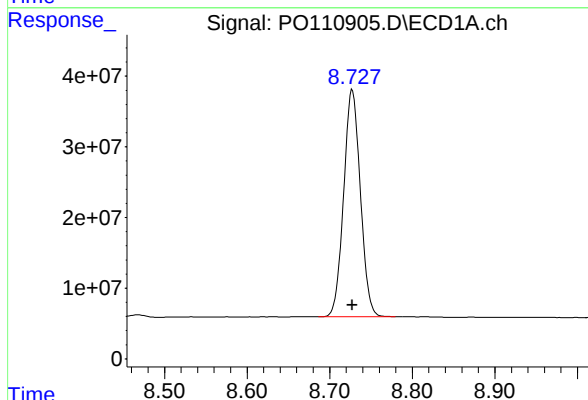
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 414979123
Conc: 75.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



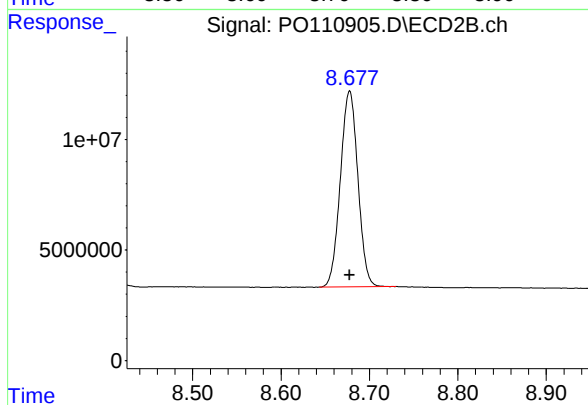
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 348597075
Conc: 75.41 ng/ml



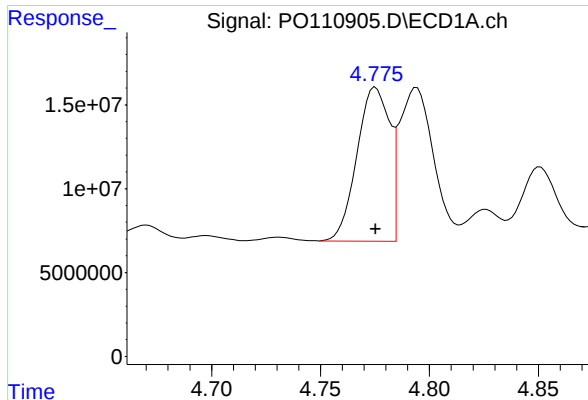
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 451213949
Conc: 75.12 ng/ml



#2 Decachlorobiphenyl

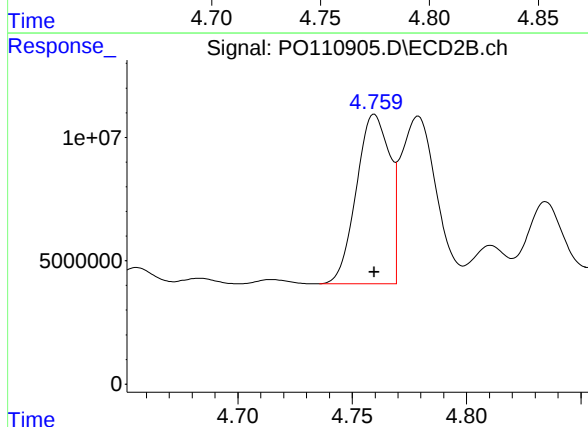
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 122114248
Conc: 74.85 ng/ml



#21 AR-1248-1

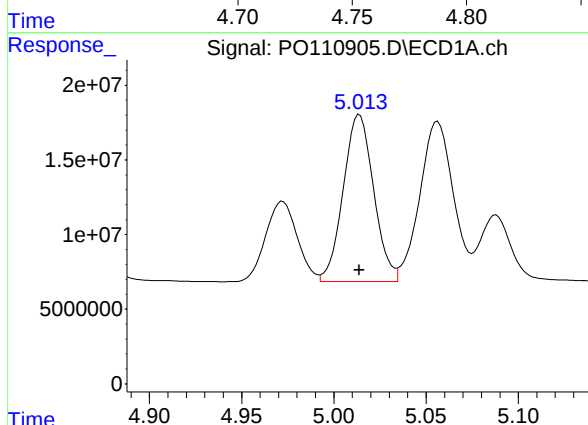
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 95778949
Conc: 756.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



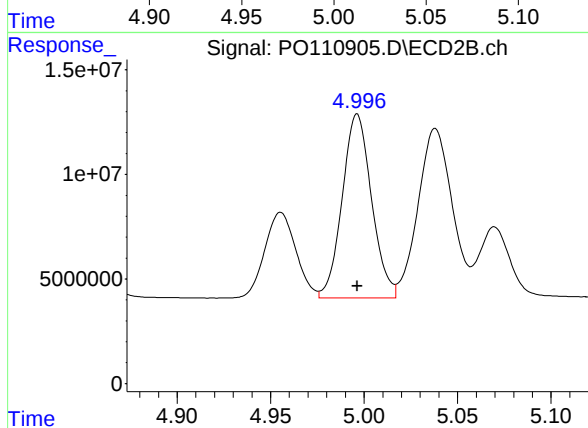
#21 AR-1248-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 69721162
Conc: 756.17 ng/ml



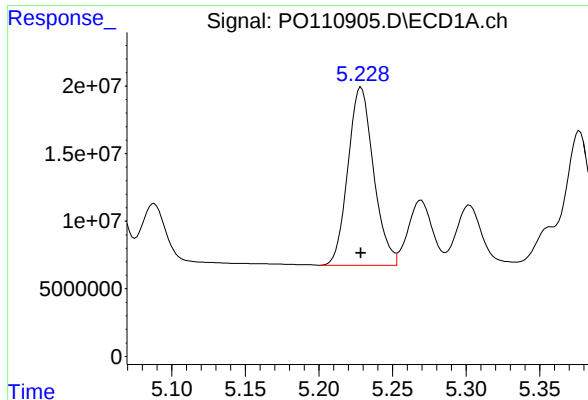
#22 AR-1248-2

R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 128517779
Conc: 763.21 ng/ml



#22 AR-1248-2

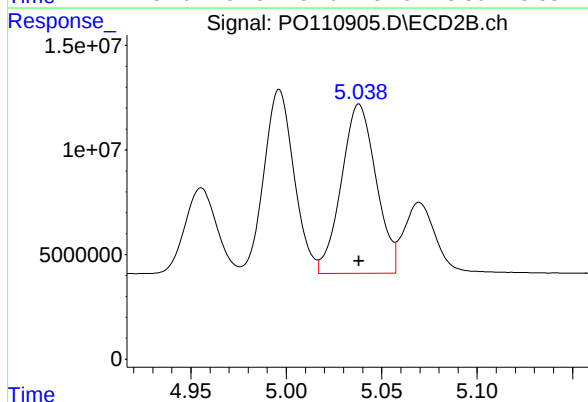
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 96107768
Conc: 756.93 ng/ml



#23 AR-1248-3

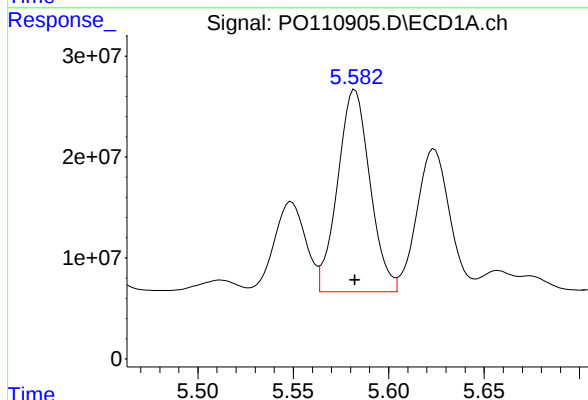
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 159699001
Conc: 748.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



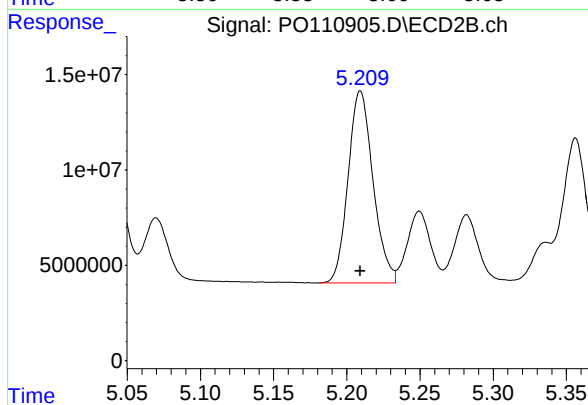
#23 AR-1248-3

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 102487568
Conc: 753.36 ng/ml



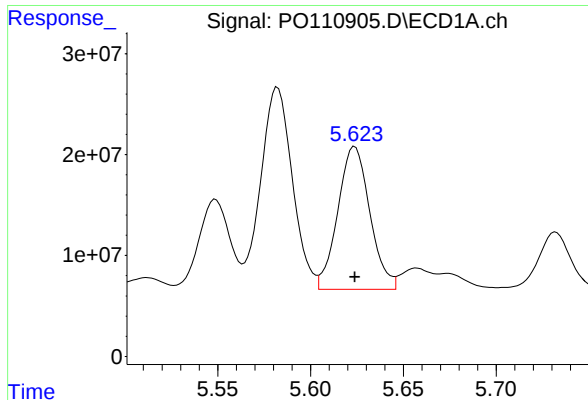
#24 AR-1248-4

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 236704983
Conc: 749.49 ng/ml



#24 AR-1248-4

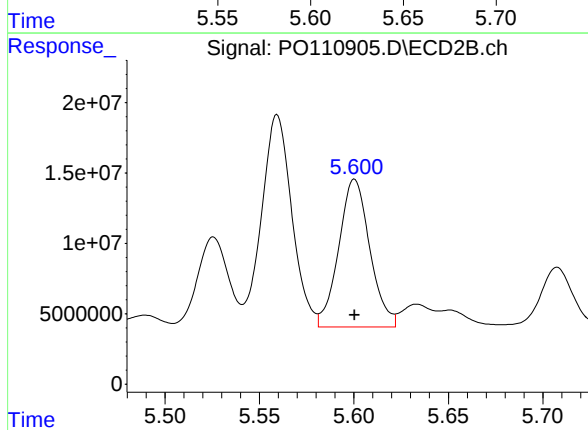
R.T.: 5.209 min
Delta R.T.: 0.000 min
Response: 119725689
Conc: 748.76 ng/ml



#25 AR-1248-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 170342079
Conc: 750.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 120723571
Conc: 752.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110906.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 14:00
 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: May 02 14:08:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 14:08:26 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...	3.683	3.681	283.1E6	234.9E6	50.000	50.000
2) SA Decachlor...	8.726	8.677	305.7E6	83875453	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.773	4.759	65301805	47853144	500.000	500.000
22) L5 AR-1248-2	5.012	4.996	85541453	64928755	500.000	500.000
23) L5 AR-1248-3	5.226	5.038	112.0E6	70421688	500.000	500.000
24) L5 AR-1248-4	5.580	5.208	165.9E6	83577334	500.000	500.000
25) L5 AR-1248-5	5.622	5.600	119.5E6	83334832	500.000	500.000

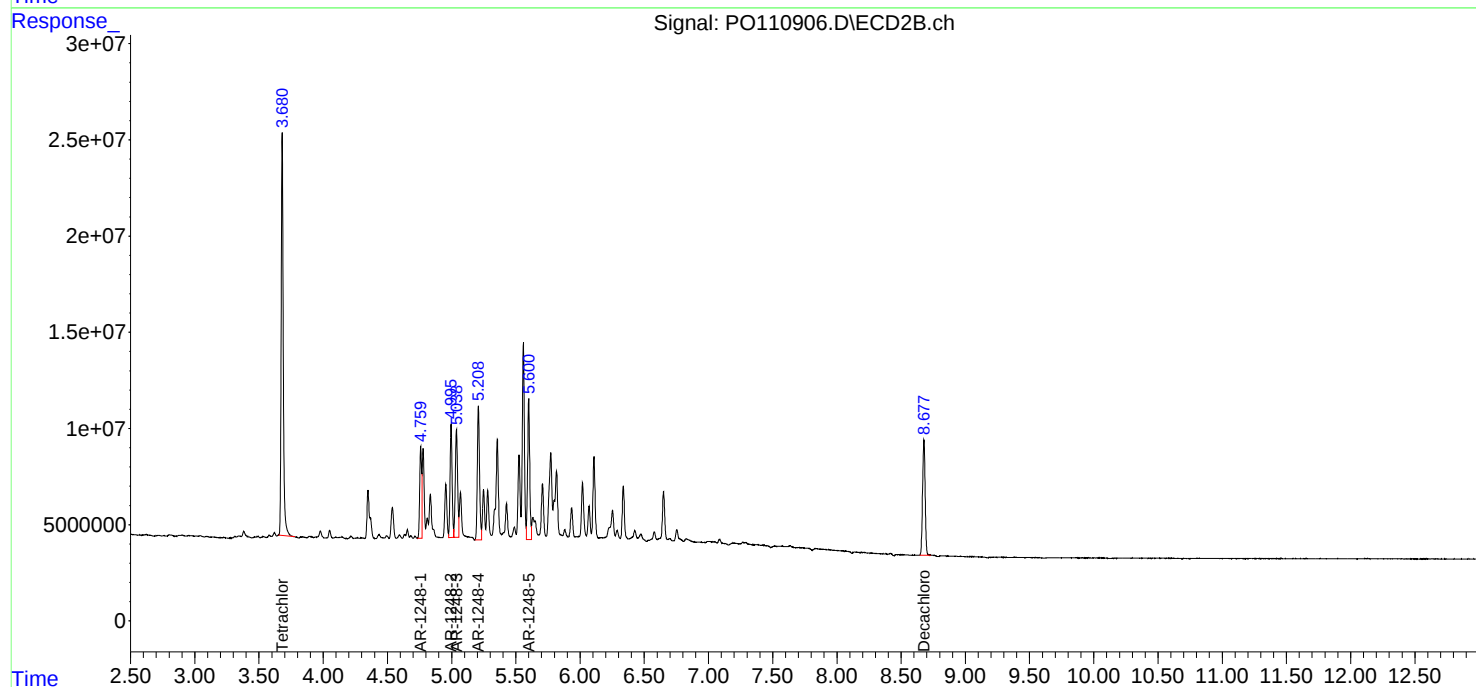
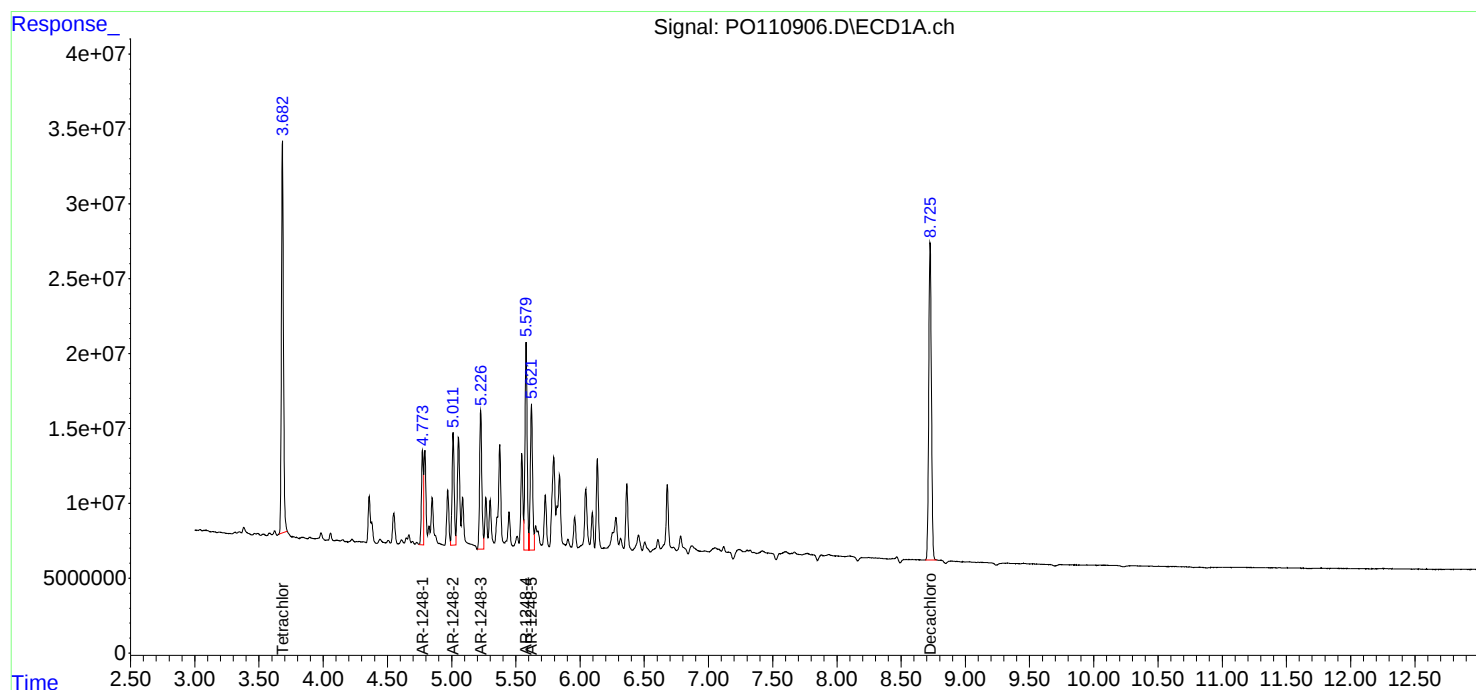
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

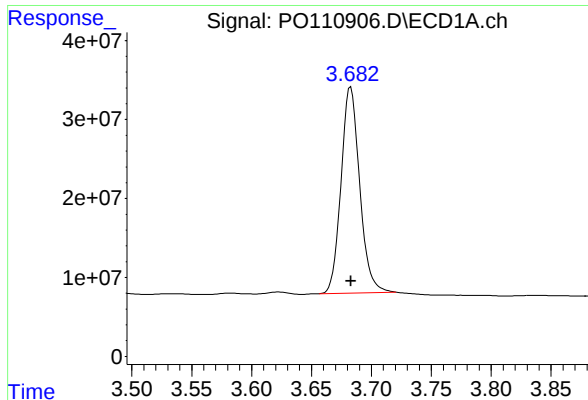
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 14:00
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 14:08:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 14:08:26 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

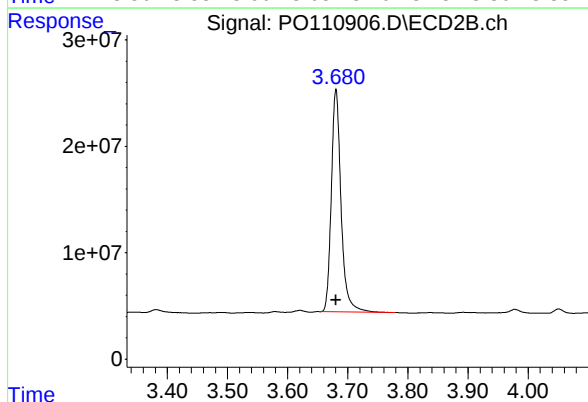




#1 Tetrachloro-m-xylene

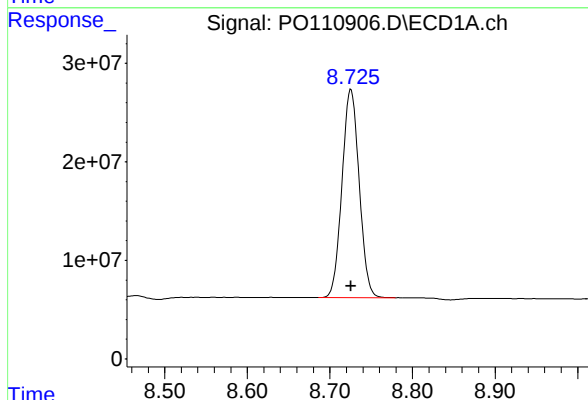
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 283141120
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



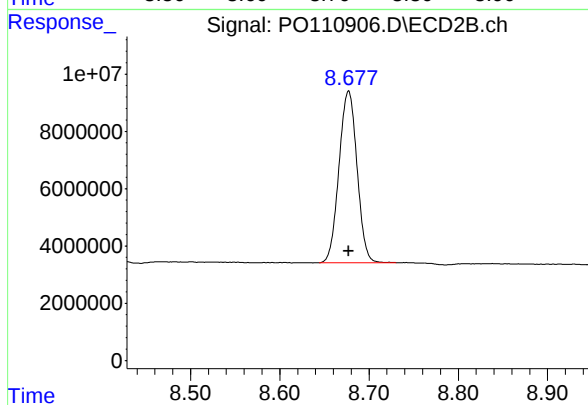
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 234859876
Conc: 50.00 ng/ml



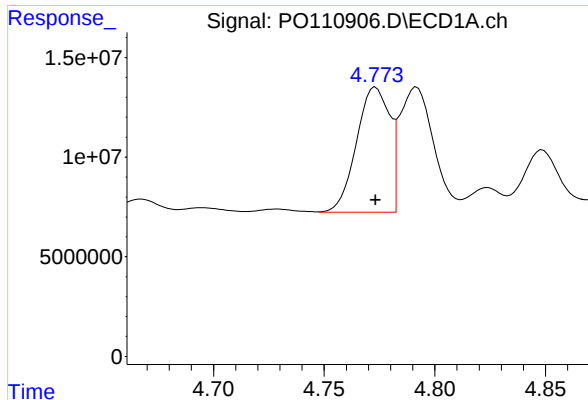
#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.000 min
Response: 305689115
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

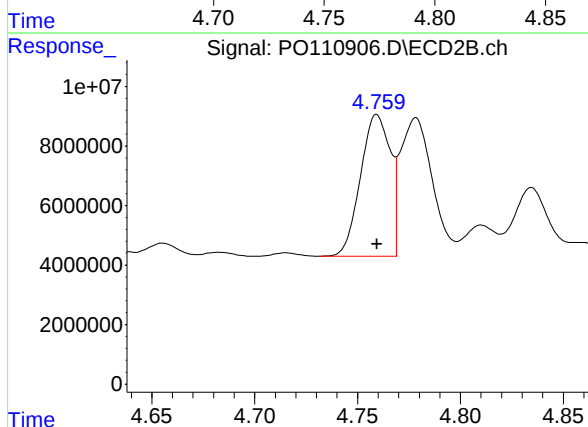
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 83875453
Conc: 50.00 ng/ml



#21 AR-1248-1

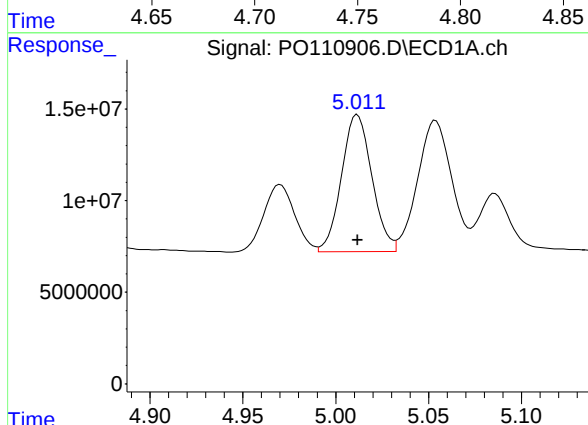
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 65301805
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



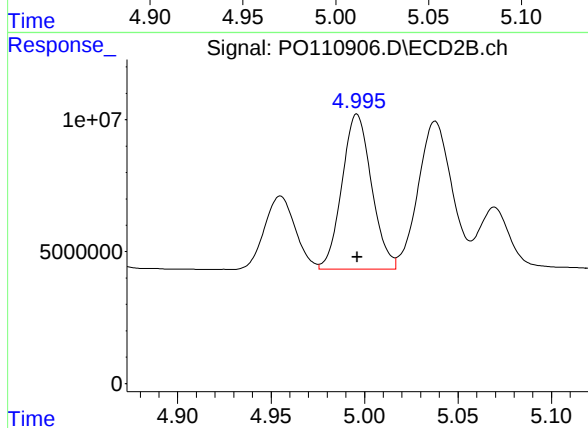
#21 AR-1248-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 47853144
Conc: 500.00 ng/ml



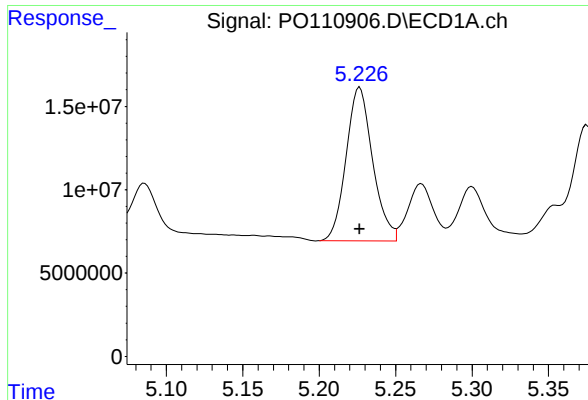
#22 AR-1248-2

R.T.: 5.012 min
Delta R.T.: 0.000 min
Response: 85541453
Conc: 500.00 ng/ml



#22 AR-1248-2

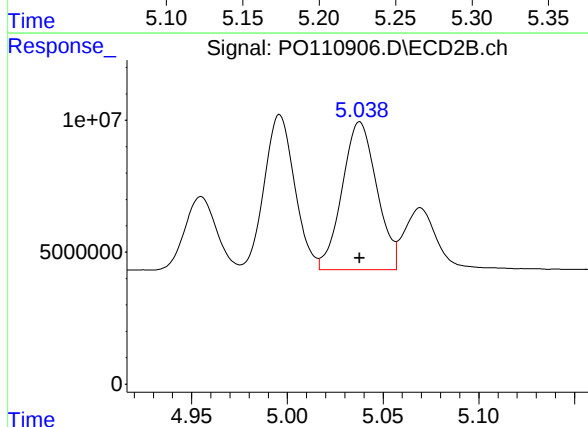
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 64928755
Conc: 500.00 ng/ml



#23 AR-1248-3

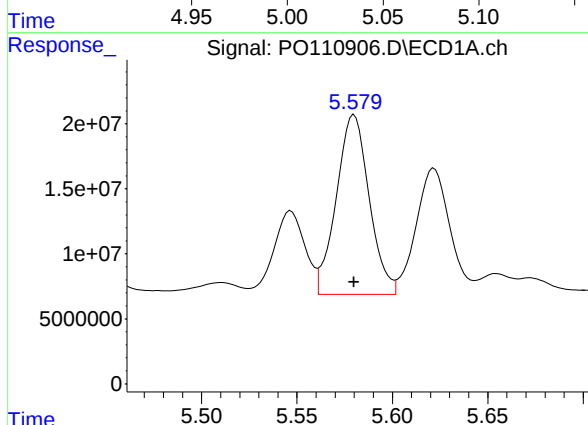
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 112018258
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



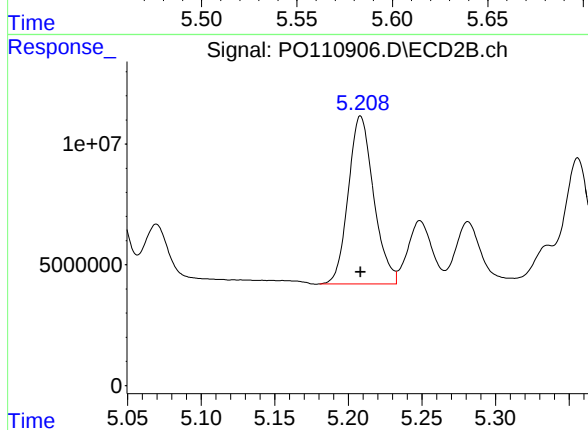
#23 AR-1248-3

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 70421688
Conc: 500.00 ng/ml



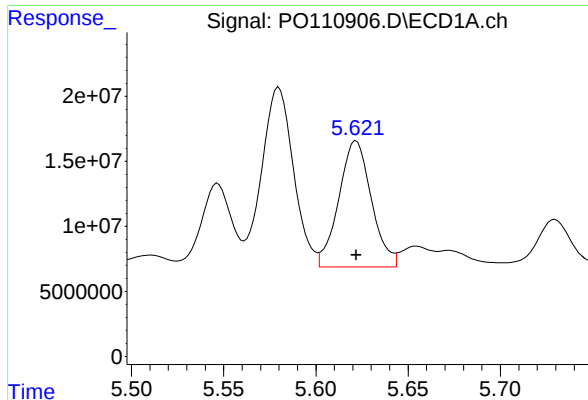
#24 AR-1248-4

R.T.: 5.580 min
Delta R.T.: 0.000 min
Response: 165895578
Conc: 500.00 ng/ml



#24 AR-1248-4

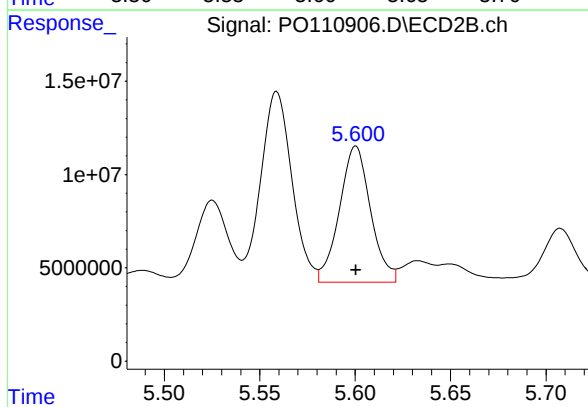
R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 83577334
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 119518509
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 83334832
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110907.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 14:35
 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: May 02 14:44:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 14:31:14 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...	3.683	3.681	149.8E6	123.0E6	26.574	26.190
2) SA Decachlor...	8.725	8.677	163.1E6	45617232	26.577	27.156
Target Compounds						
21) L5 AR-1248-1	4.773	4.760	36155823	26472624	275.752	276.838
22) L5 AR-1248-2	5.011	4.996	48451320	36845602	277.270	278.978
23) L5 AR-1248-3	5.226	5.038	59405612	38955405	270.655	276.306
24) L5 AR-1248-4	5.580	5.209	86716804	44889115	267.988	272.362
25) L5 AR-1248-5	5.621	5.600	61750319	44248267	266.234	268.797

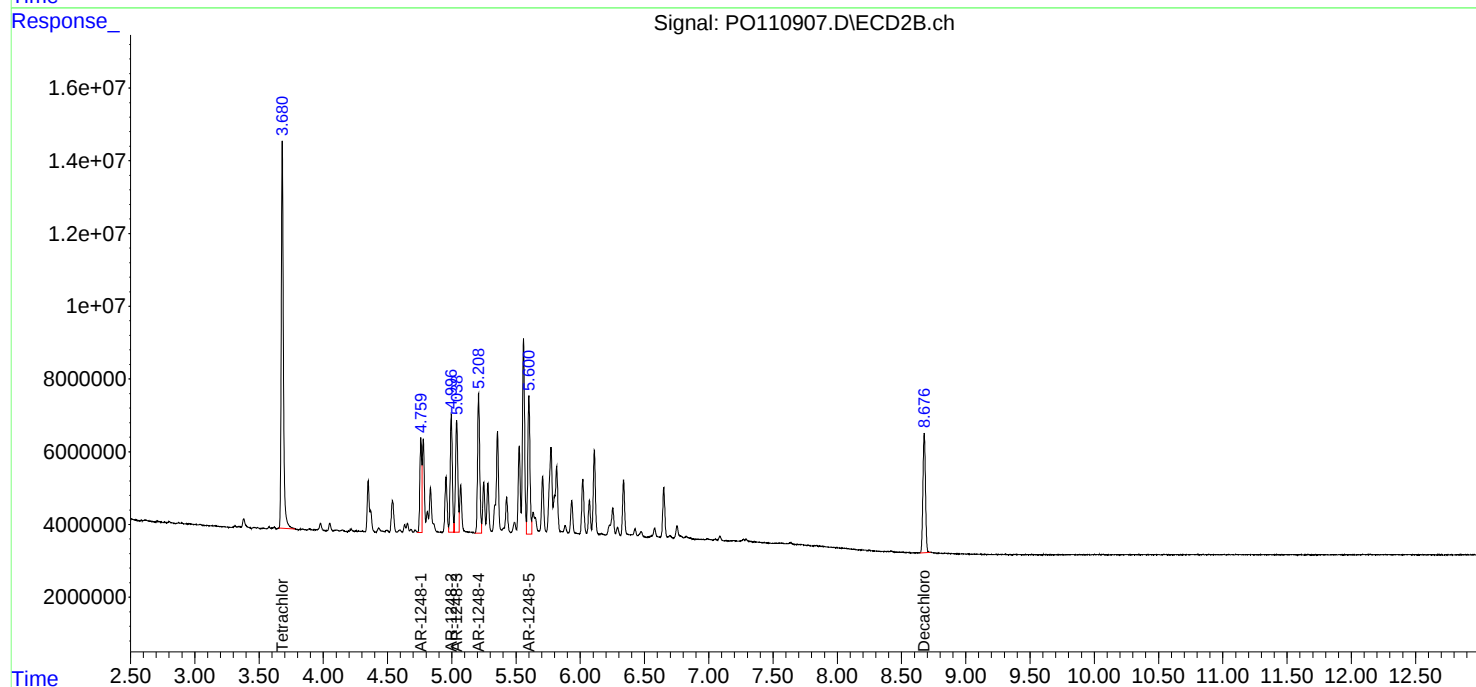
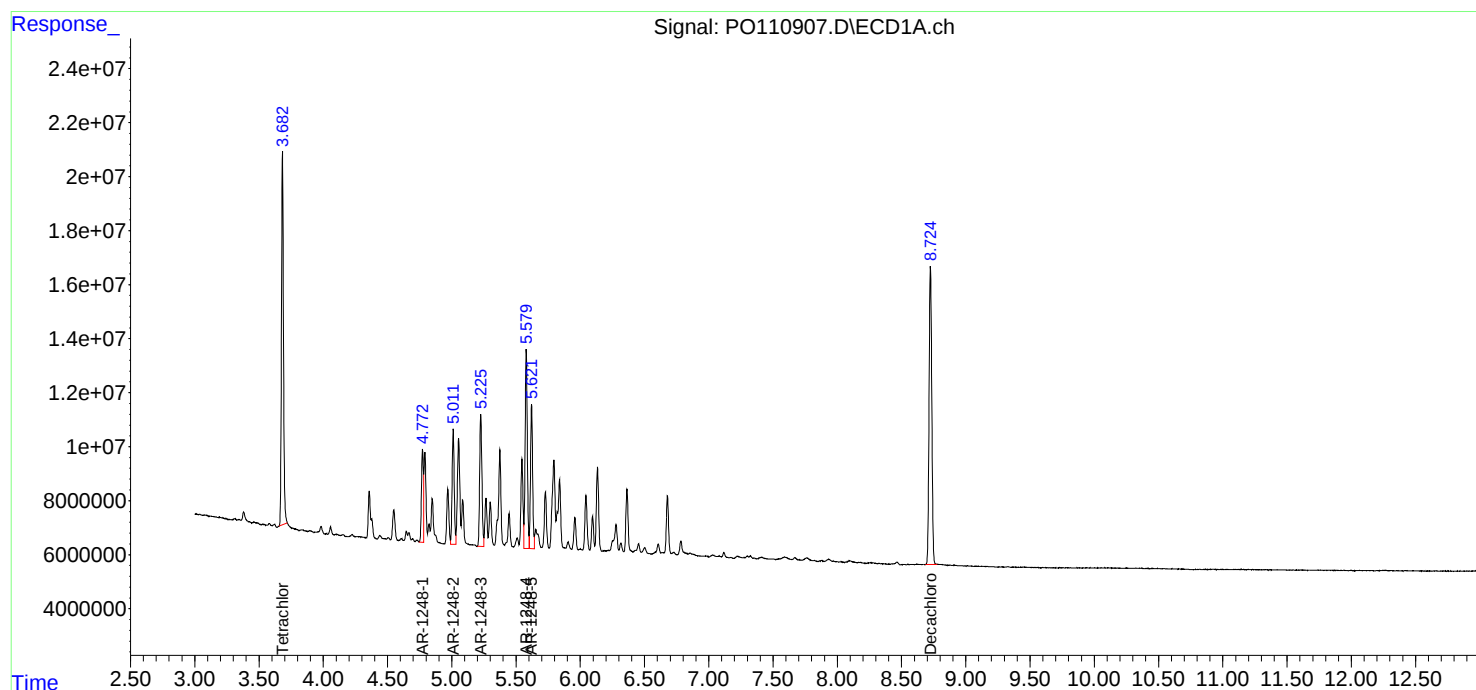
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

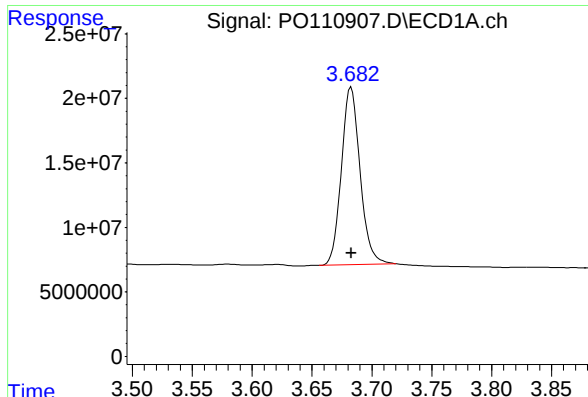
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 14:35
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 14:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 14:31:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

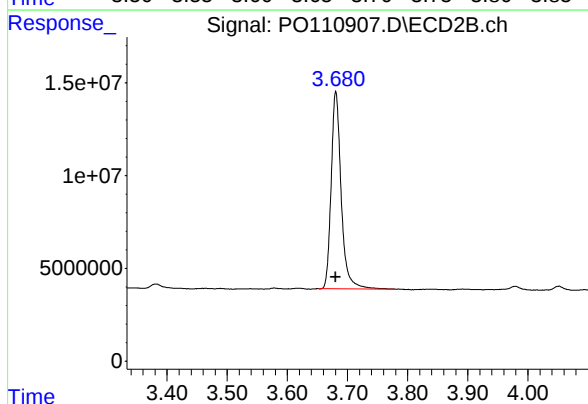




#1 Tetrachloro-m-xylene

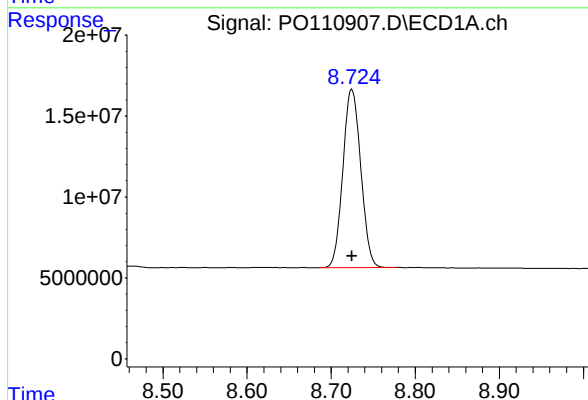
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 149802057
Conc: 26.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



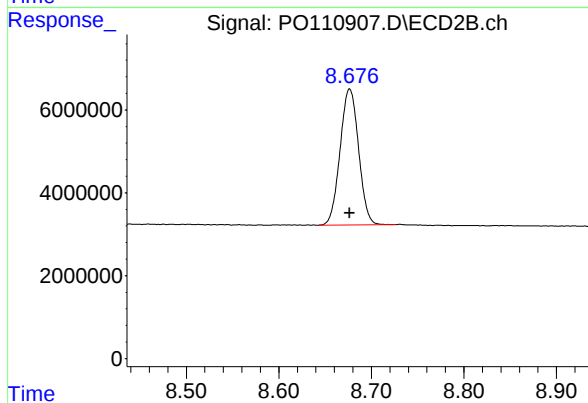
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 123026998
Conc: 26.19 ng/ml



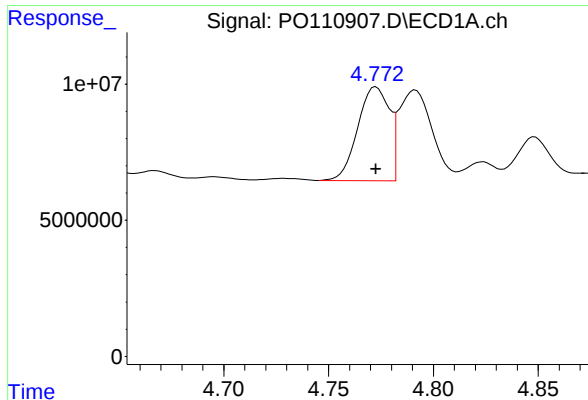
#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 163070029
Conc: 26.58 ng/ml



#2 Decachlorobiphenyl

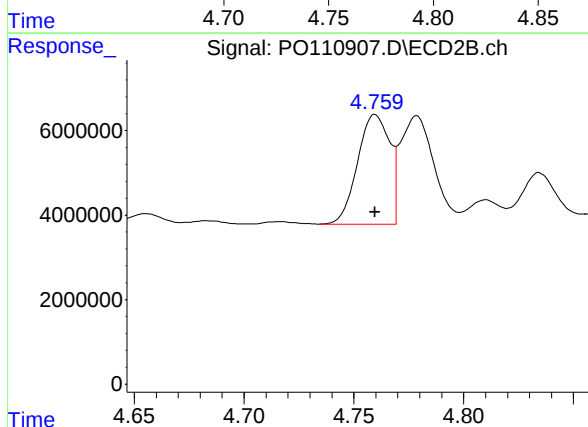
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 45617232
Conc: 27.16 ng/ml



#21 AR-1248-1

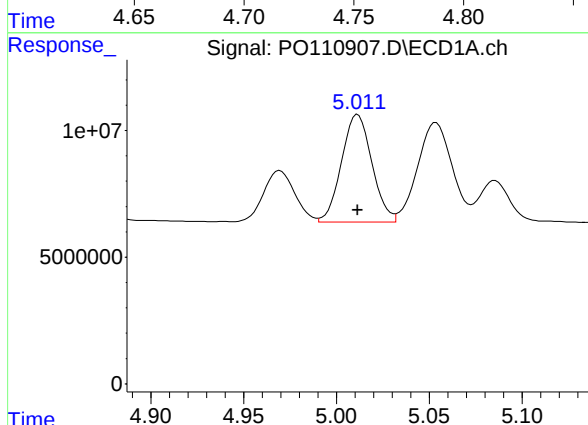
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 36155823
Conc: 275.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



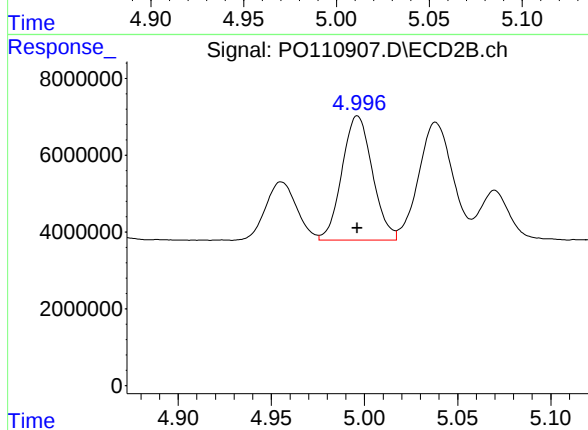
#21 AR-1248-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 26472624
Conc: 276.84 ng/ml



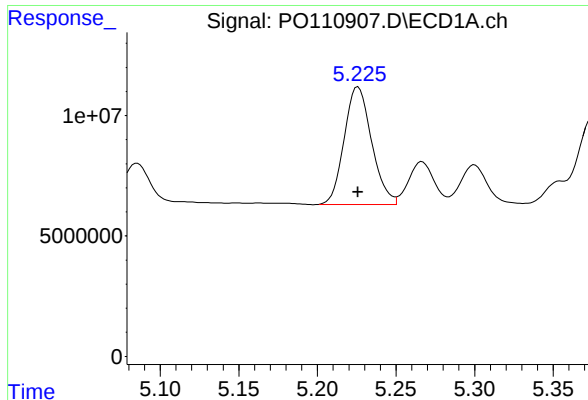
#22 AR-1248-2

R.T.: 5.011 min
Delta R.T.: 0.000 min
Response: 48451320
Conc: 277.27 ng/ml



#22 AR-1248-2

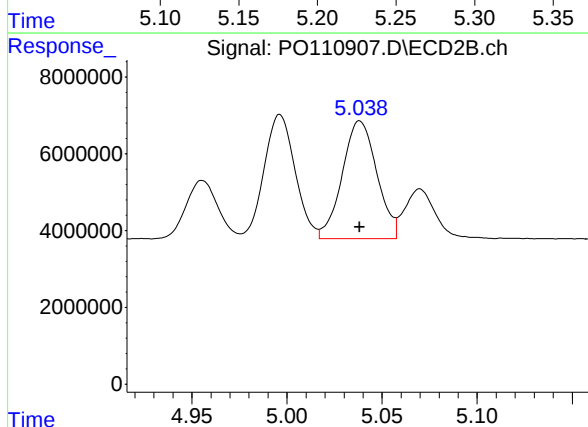
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 36845602
Conc: 278.98 ng/ml



#23 AR-1248-3

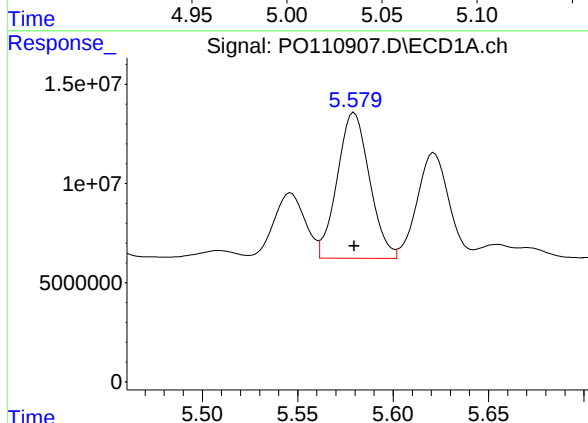
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 59405612
Conc: 270.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



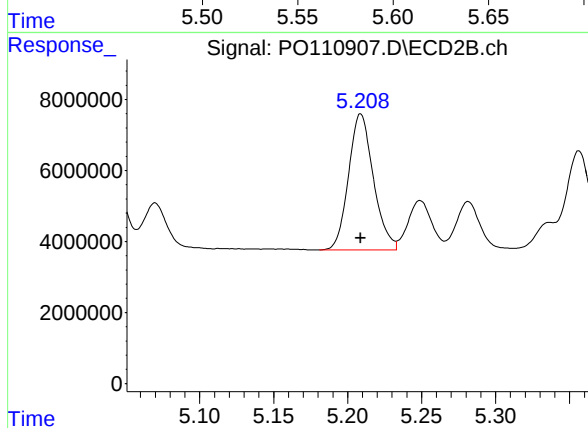
#23 AR-1248-3

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 38955405
Conc: 276.31 ng/ml



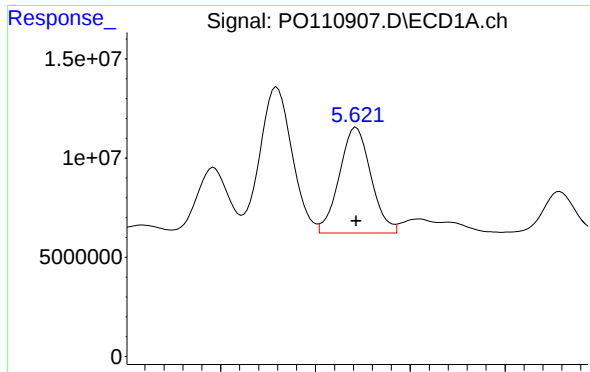
#24 AR-1248-4

R.T.: 5.580 min
Delta R.T.: 0.000 min
Response: 86716804
Conc: 267.99 ng/ml



#24 AR-1248-4

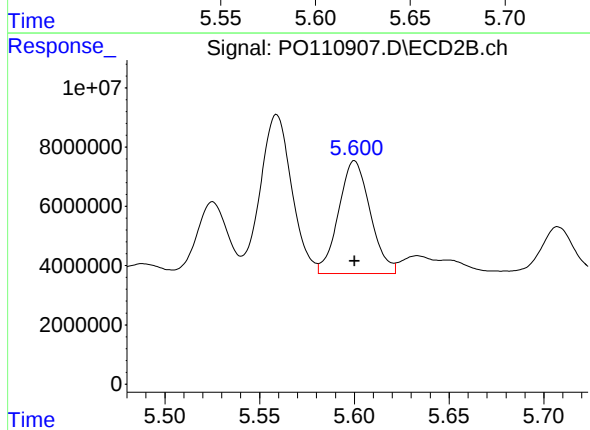
R.T.: 5.209 min
Delta R.T.: 0.000 min
Response: 44889115
Conc: 272.36 ng/ml



#25 AR-1248-5

R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 61750319
Conc: 266.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 44248267
Conc: 268.80 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110908.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 14:53
 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: May 02 15:01:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 14:31:14 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...	3.684	3.680	26667566	21489095	4.782	4.654
2) SA Decachlor...	8.728	8.676	31090082	8940790	5.053	5.255
Target Compounds						
21) L5 AR-1248-1	4.774	4.760	6617159	4968736	50.373	51.556
22) L5 AR-1248-2	5.014	4.996	8859297	7365781	50.557	54.512
23) L5 AR-1248-3	5.228	5.039	11219295	8088423	50.889	55.727
24) L5 AR-1248-4	5.582	5.208	17211692	8916273	52.520	53.226
25) L5 AR-1248-5	5.623	5.600	11973858	9046451	51.291	53.887

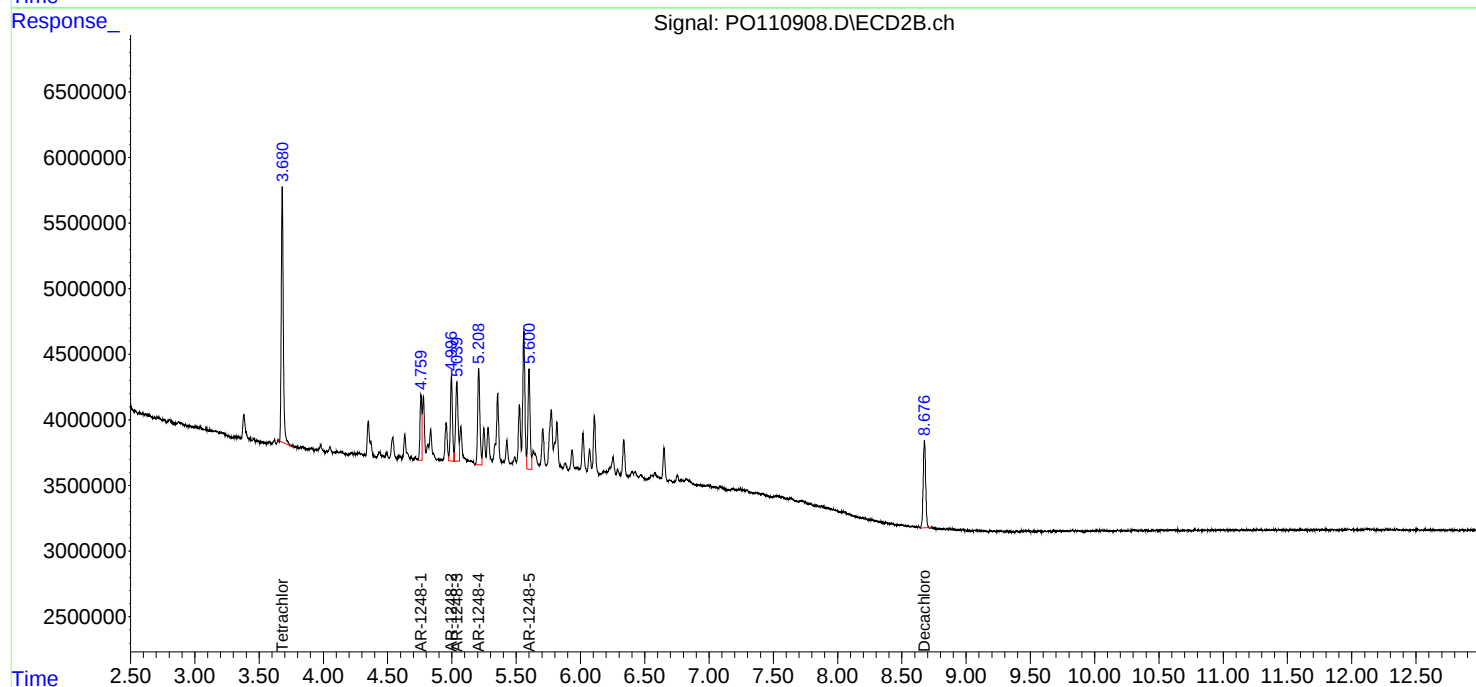
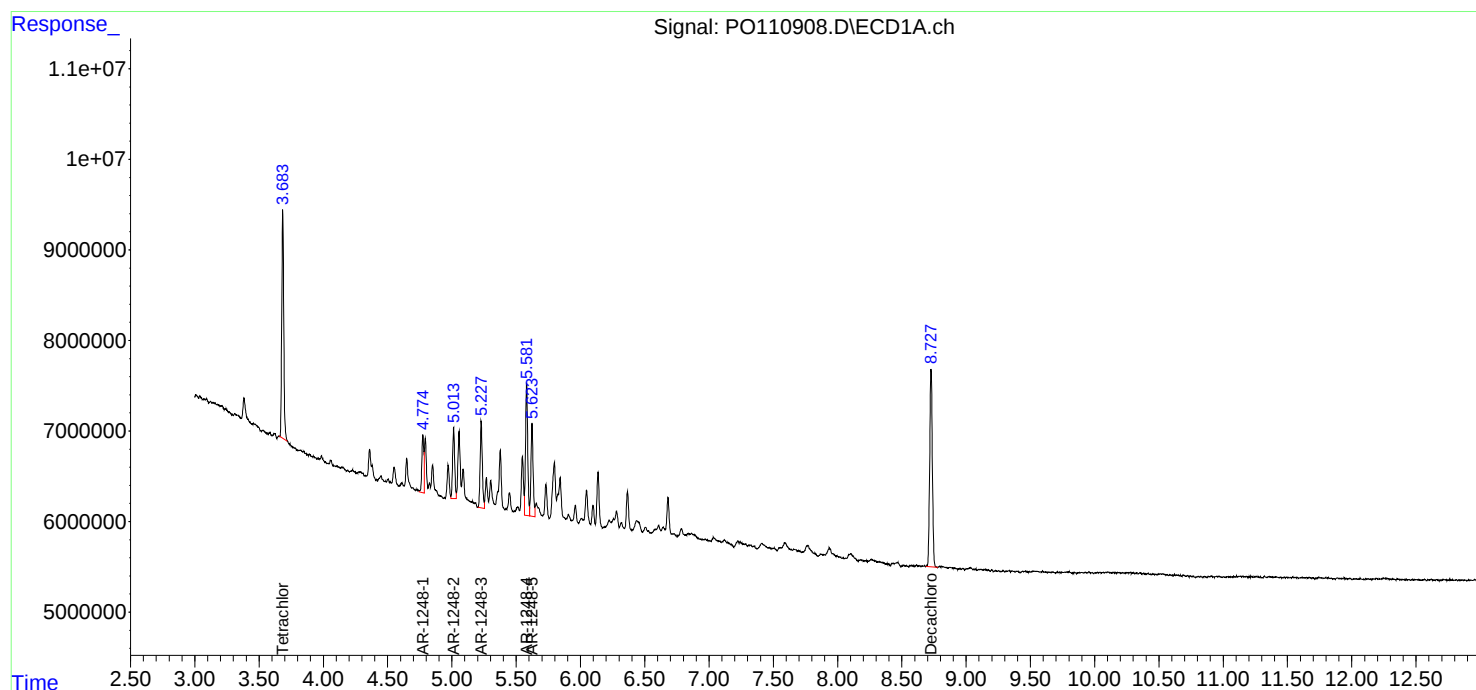
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

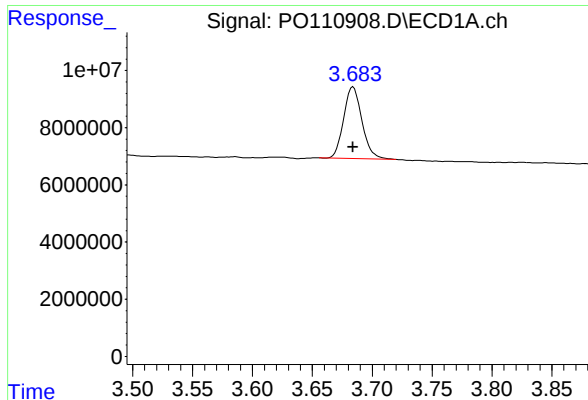
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 14:53
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 15:01:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 14:31:14 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

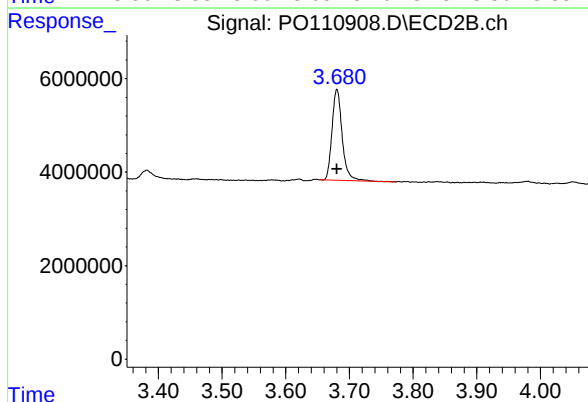




#1 Tetrachloro-m-xylene

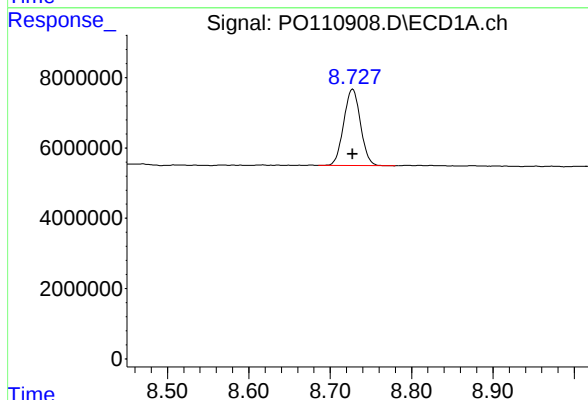
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 26667566
Conc: 4.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



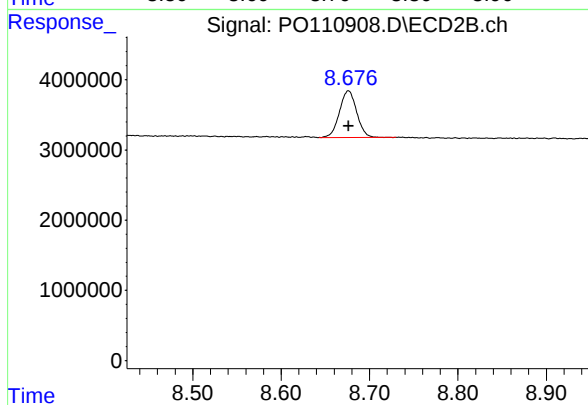
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 21489095
Conc: 4.65 ng/ml



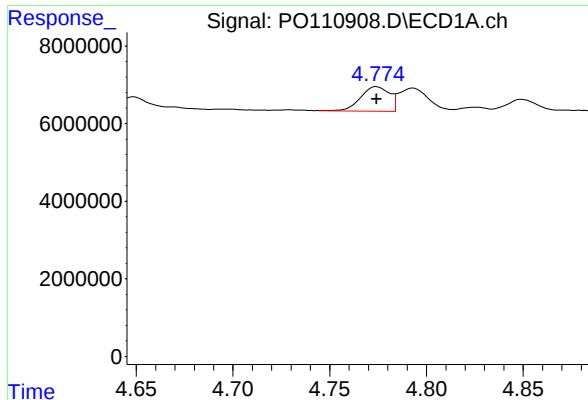
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 31090082
Conc: 5.05 ng/ml



#2 Decachlorobiphenyl

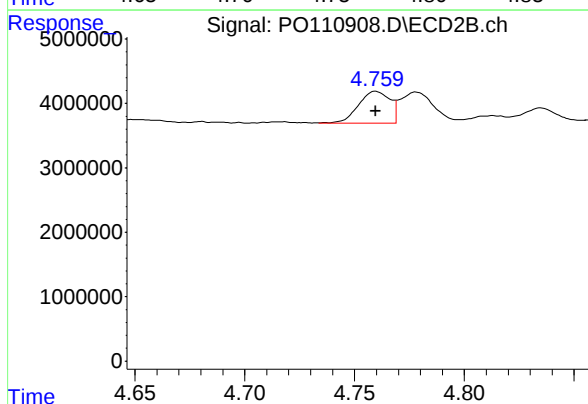
R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 8940790
Conc: 5.25 ng/ml



#21 AR-1248-1

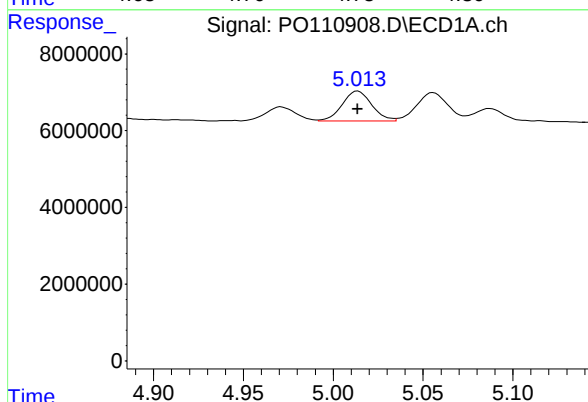
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 6617159
Conc: 50.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



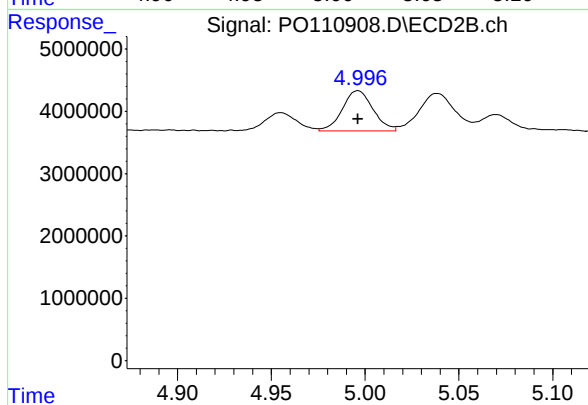
#21 AR-1248-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 4968736
Conc: 51.56 ng/ml



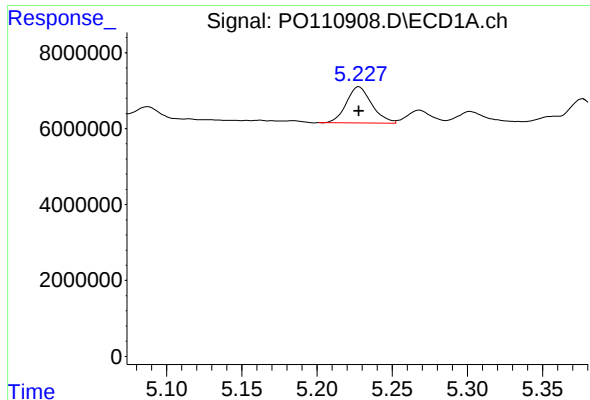
#22 AR-1248-2

R.T.: 5.014 min
Delta R.T.: 0.000 min
Response: 8859297
Conc: 50.56 ng/ml



#22 AR-1248-2

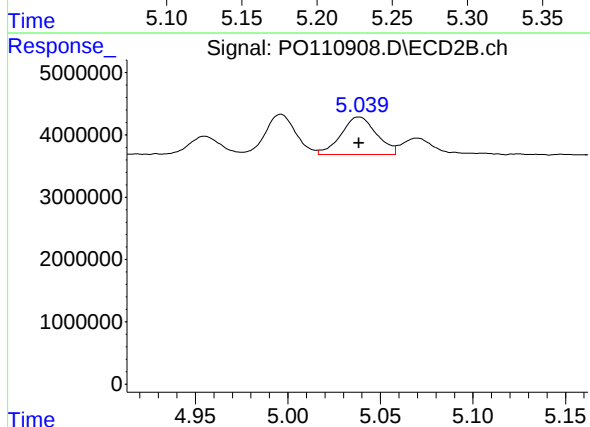
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 7365781
Conc: 54.51 ng/ml



#23 AR-1248-3

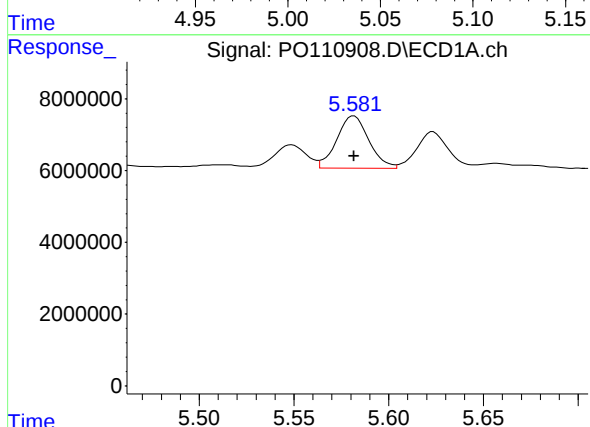
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 11219295
Conc: 50.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



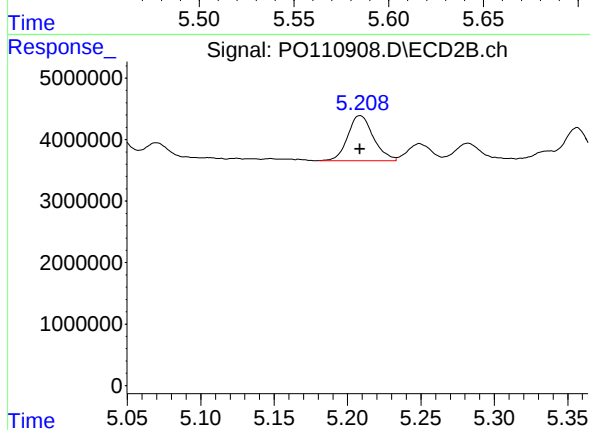
#23 AR-1248-3

R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 8088423
Conc: 55.73 ng/ml



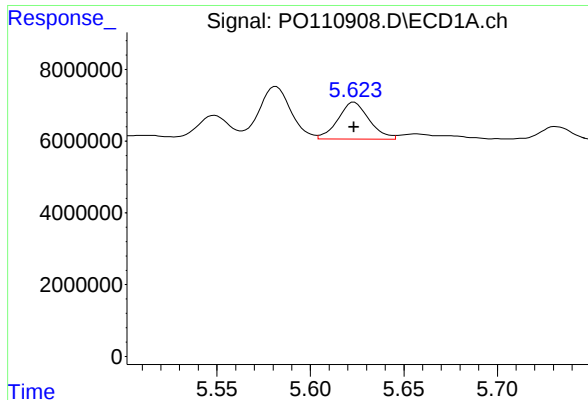
#24 AR-1248-4

R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 17211692
Conc: 52.52 ng/ml



#24 AR-1248-4

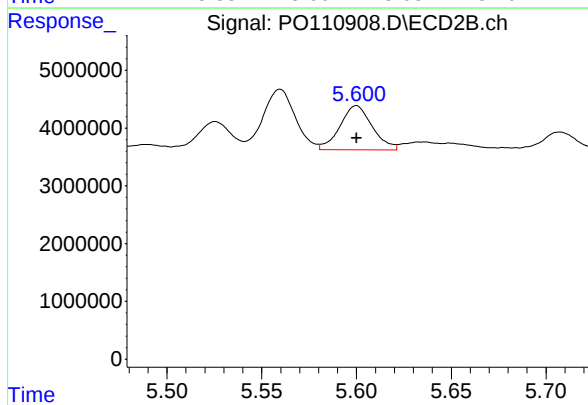
R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 8916273
Conc: 53.23 ng/ml



#25 AR-1248-5

R.T.: 5.623 min
Delta R.T.: 0.000 min
Response: 11973858
Conc: 51.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 9046451
Conc: 53.89 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110909.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 15:12
 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: May 02 16:02:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 15:59:59 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...	3.685	3.680	574.2E6	489.3E6	100.810	100.668
2) SA Decachlor...	8.728	8.677	582.5E6	159.6E6	97.155	94.824
Target Compounds						
26) L6 AR-1254-1	5.583	5.560	319.3E6	235.8E6	967.427	968.094
27) L6 AR-1254-2	5.732	5.708	276.2E6	204.2E6	993.200	980.293
28) L6 AR-1254-3	6.137	6.110	446.2E6	322.0E6	994.961	985.838
29) L6 AR-1254-4	6.367	6.338	292.9E6	186.0E6	977.439	979.033
30) L6 AR-1254-5	6.786	6.755	404.2E6	258.4E6	970.890	979.646

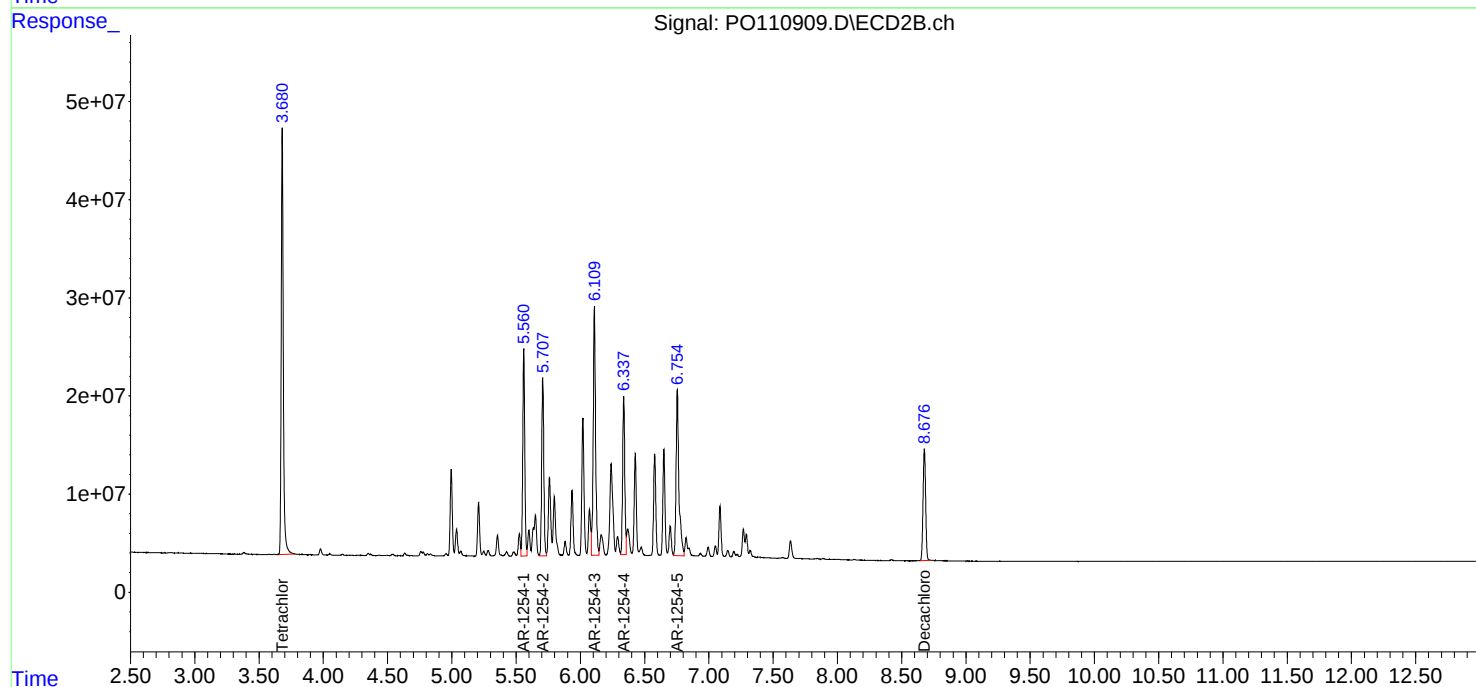
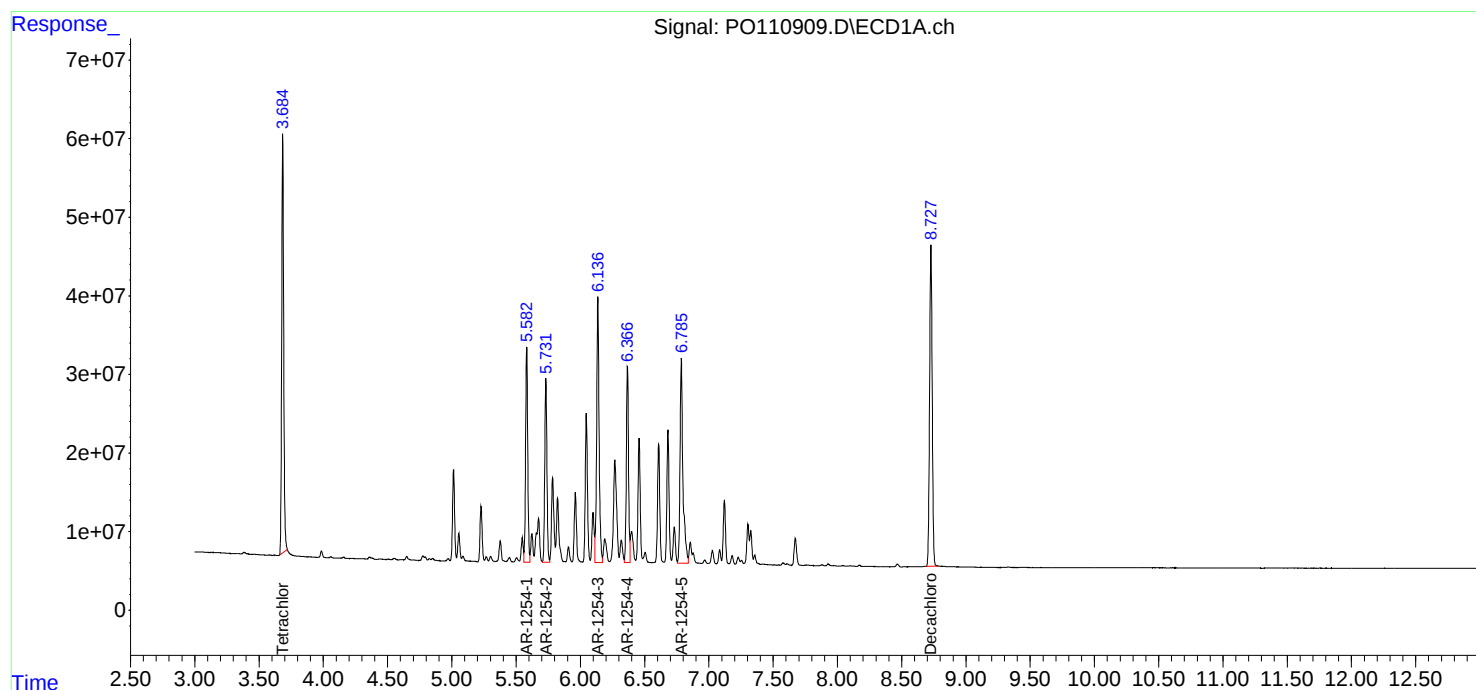
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

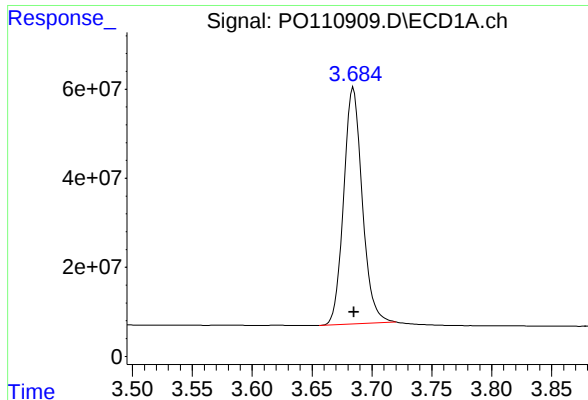
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 15:12
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 16:02:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 15:59:59 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

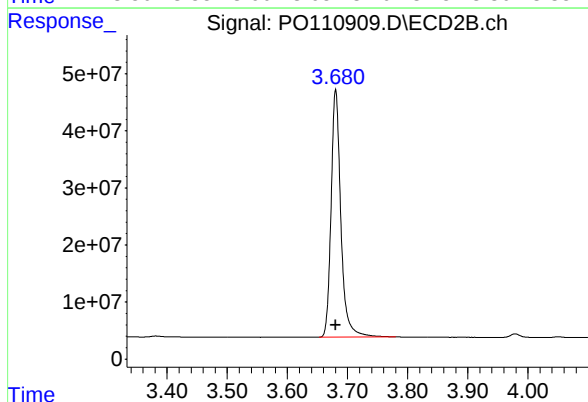




#1 Tetrachloro-m-xylene

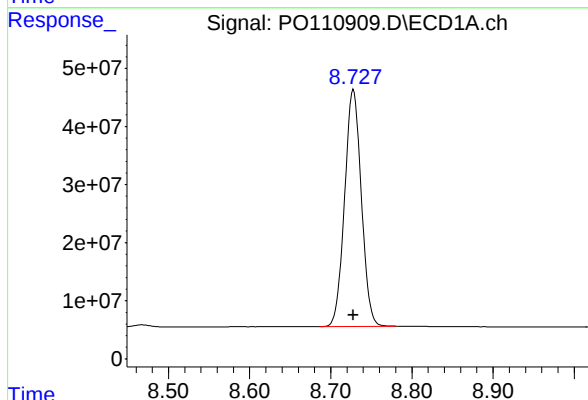
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 574241723
Conc: 100.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



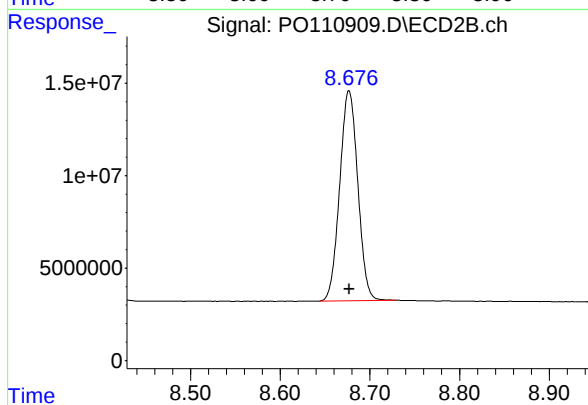
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 489291610
Conc: 100.67 ng/ml



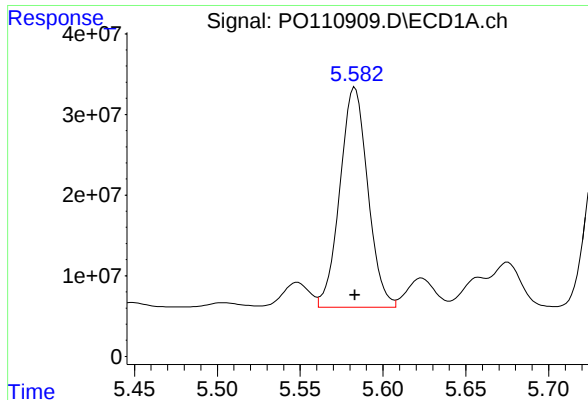
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 582472642
Conc: 97.15 ng/ml



#2 Decachlorobiphenyl

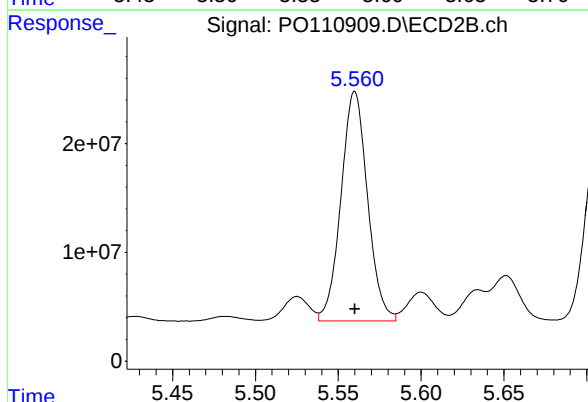
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 159647162
Conc: 94.82 ng/ml



#26 AR-1254-1

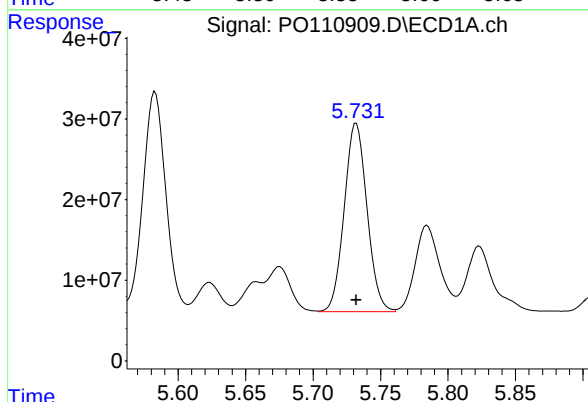
R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 319345291
Conc: 967.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



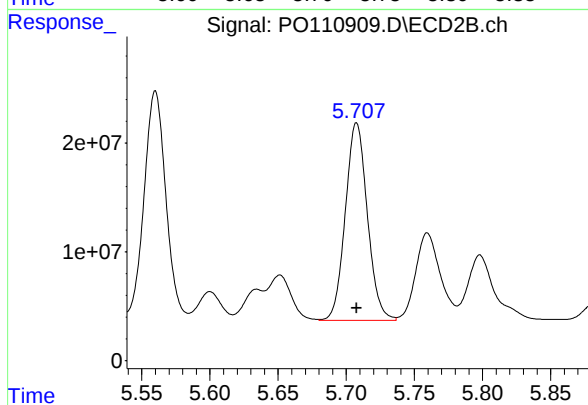
#26 AR-1254-1

R.T.: 5.560 min
Delta R.T.: 0.000 min
Response: 235828564
Conc: 968.09 ng/ml



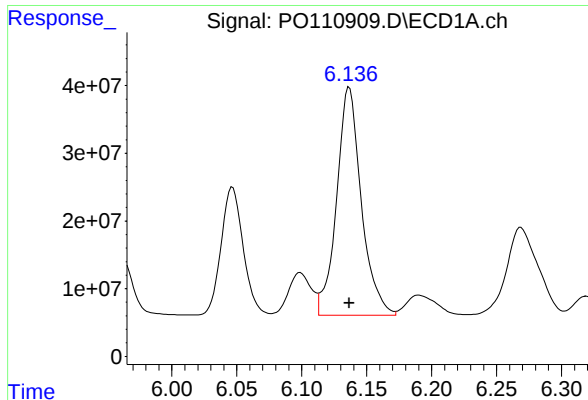
#27 AR-1254-2

R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 276203446
Conc: 993.20 ng/ml



#27 AR-1254-2

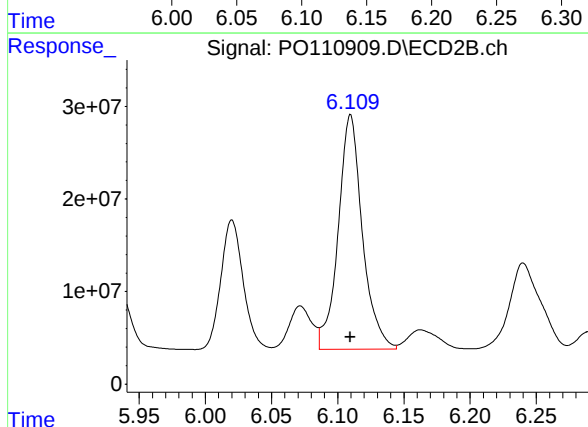
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 204202116
Conc: 980.29 ng/ml



#28 AR-1254-3

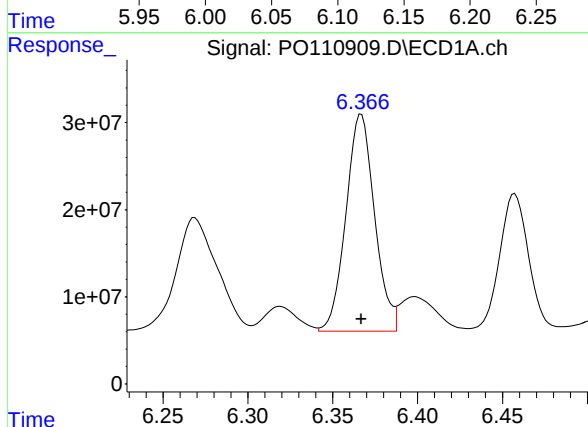
R.T.: 6.137 min
Delta R.T.: 0.000 min
Response: 446238177
Conc: 994.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



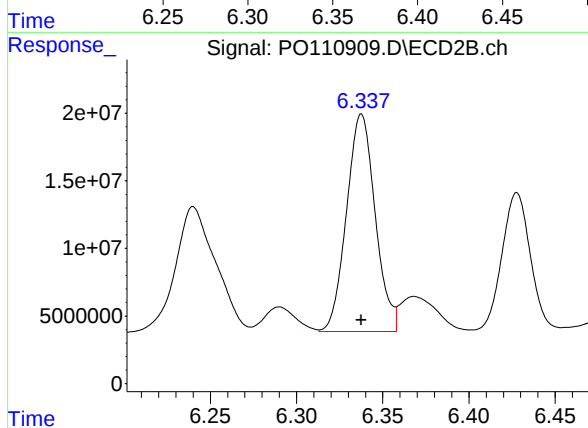
#28 AR-1254-3

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 321967296
Conc: 985.84 ng/ml



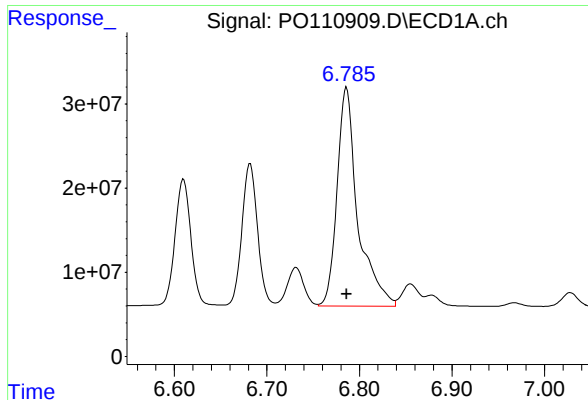
#29 AR-1254-4

R.T.: 6.367 min
Delta R.T.: 0.000 min
Response: 292919199
Conc: 977.44 ng/ml



#29 AR-1254-4

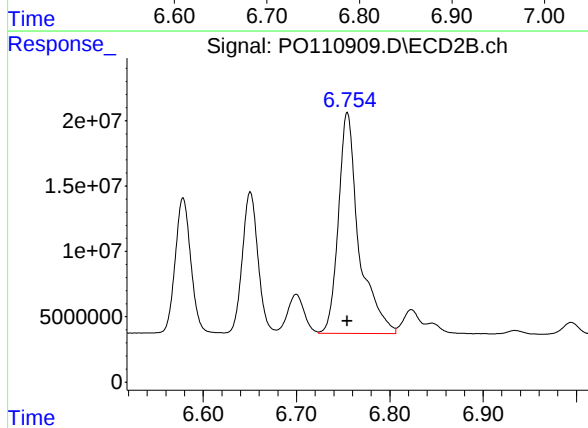
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 186026034
Conc: 979.03 ng/ml



#30 AR-1254-5

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 404187735
Conc: 970.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 258387827
Conc: 979.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110910.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 15:30
 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: May 02 16:05:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 15:59:59 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...	3.685	3.680	439.7E6	372.0E6	76.443	76.015
2) SA Decachlor...	8.727	8.677	450.0E6	124.8E6	75.037	74.430
Target Compounds						
26) L6 AR-1254-1	5.582	5.560	247.3E6	182.5E6	749.435	749.427
27) L6 AR-1254-2	5.731	5.708	213.6E6	158.6E6	761.945	757.633
28) L6 AR-1254-3	6.136	6.110	343.2E6	247.3E6	760.069	754.803
29) L6 AR-1254-4	6.366	6.337	226.9E6	143.3E6	754.707	752.941
30) L6 AR-1254-5	6.786	6.754	311.9E6	199.3E6	749.460	753.719

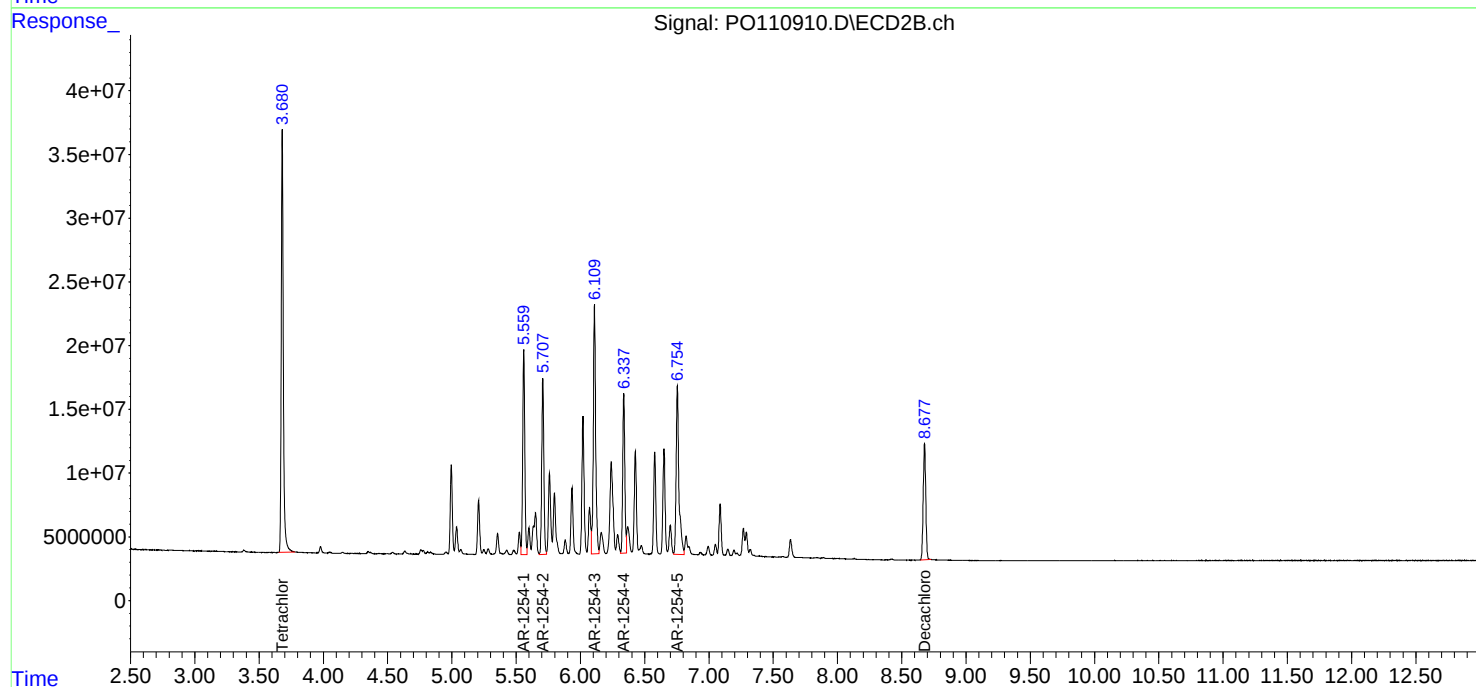
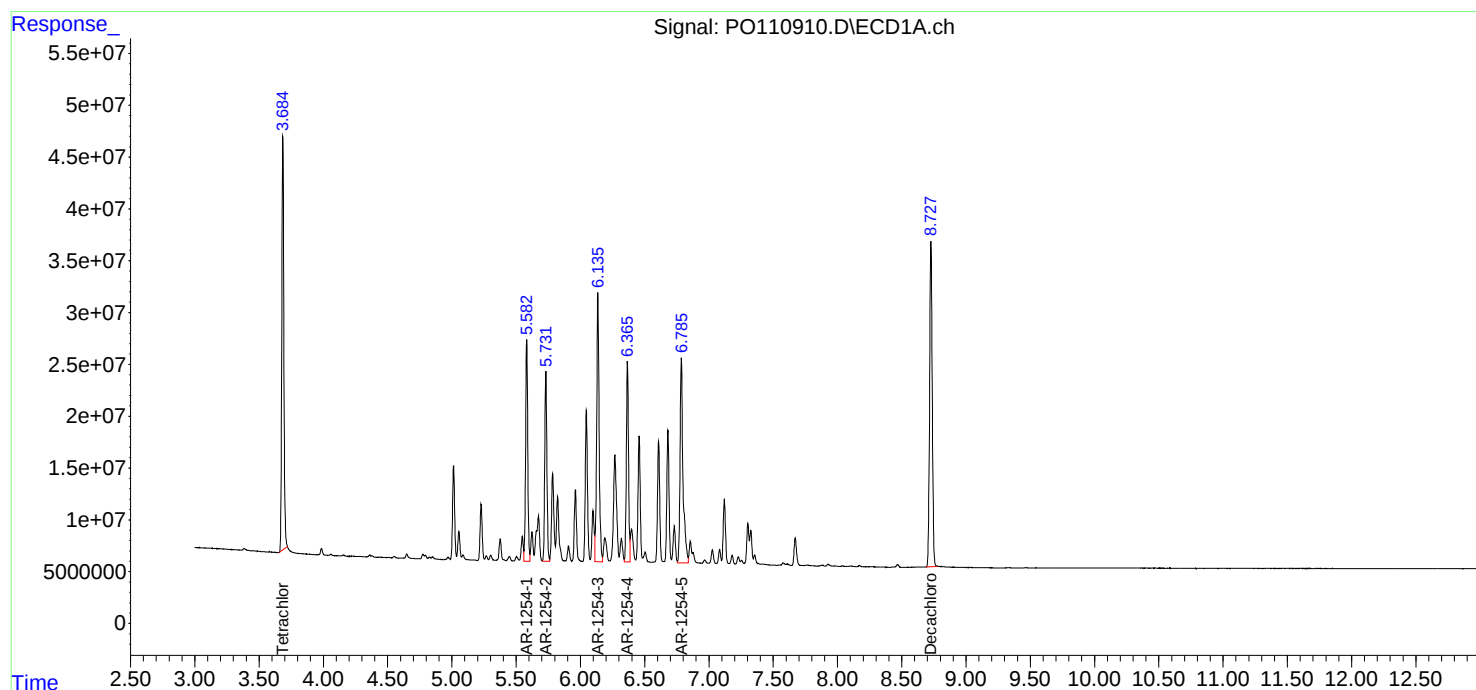
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

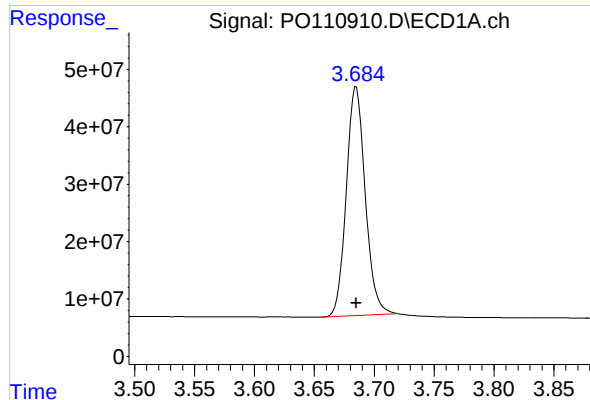
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 15:30
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 16:05:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 15:59:59 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

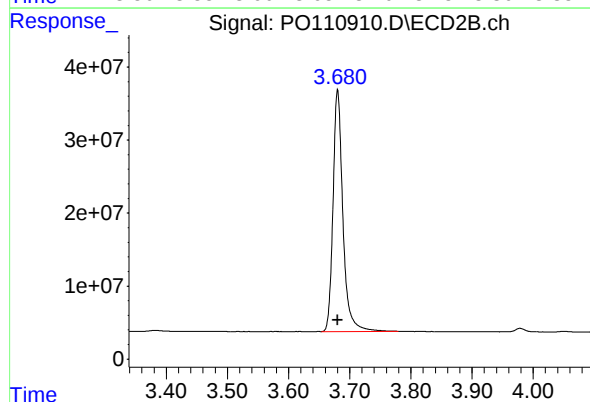




#1 Tetrachloro-m-xylene

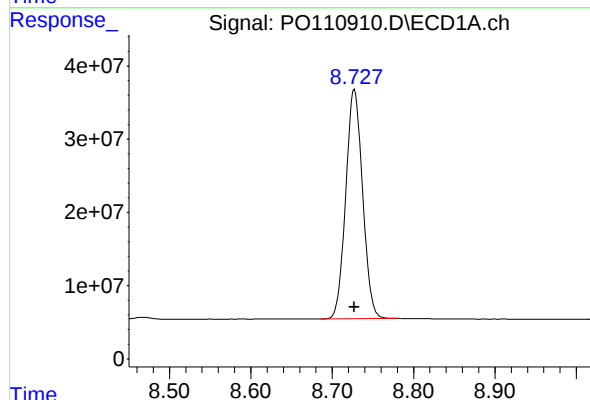
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 439666440
Conc: 76.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



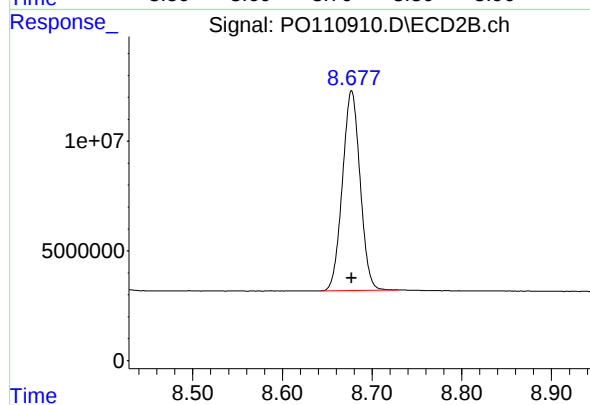
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 371984235
Conc: 76.02 ng/ml



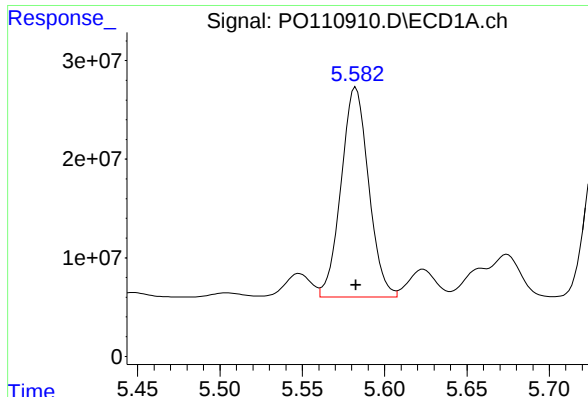
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 449985361
Conc: 75.04 ng/ml



#2 Decachlorobiphenyl

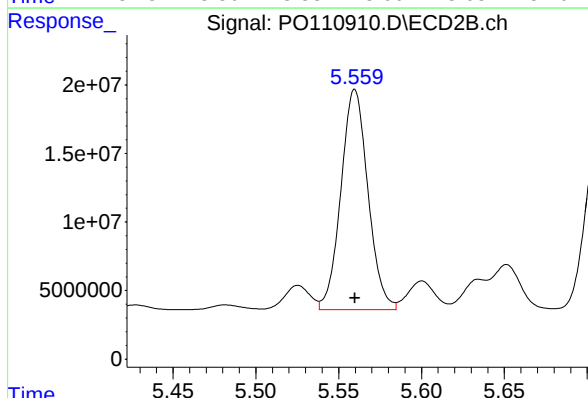
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 124837321
Conc: 74.43 ng/ml



#26 AR-1254-1

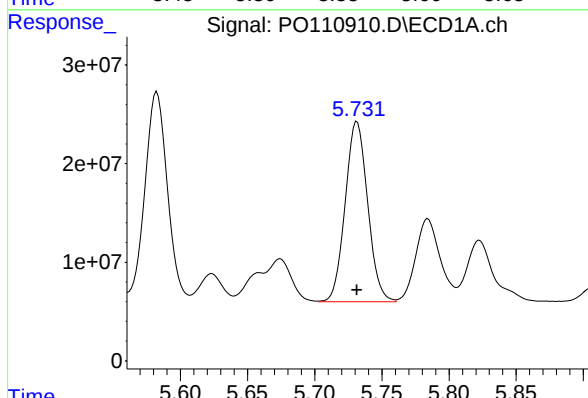
R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 247293288
Conc: 749.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



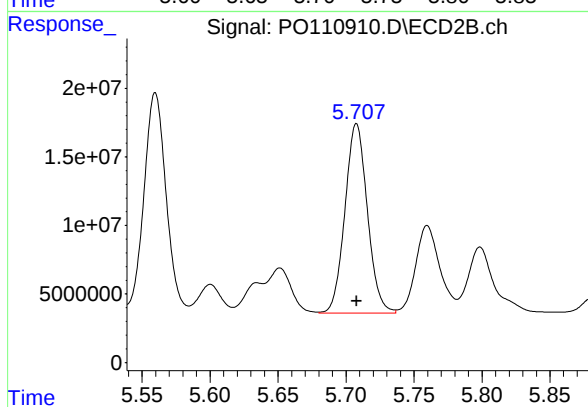
#26 AR-1254-1

R.T.: 5.560 min
Delta R.T.: 0.000 min
Response: 182491529
Conc: 749.43 ng/ml



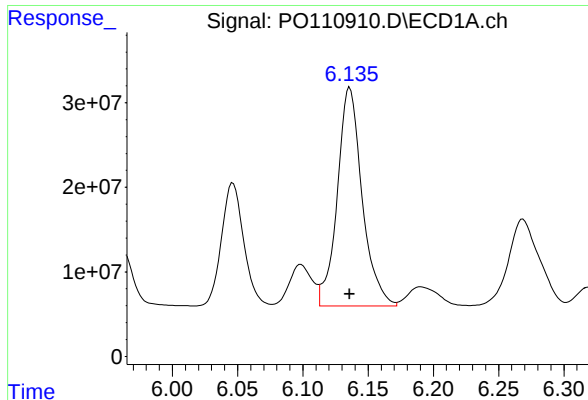
#27 AR-1254-2

R.T.: 5.731 min
Delta R.T.: 0.000 min
Response: 213593482
Conc: 761.94 ng/ml



#27 AR-1254-2

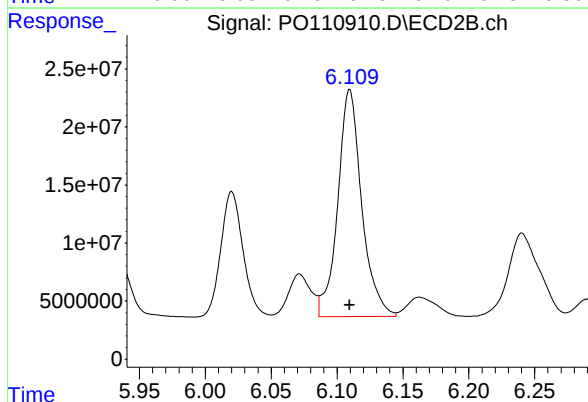
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 158627411
Conc: 757.63 ng/ml



#28 AR-1254-3

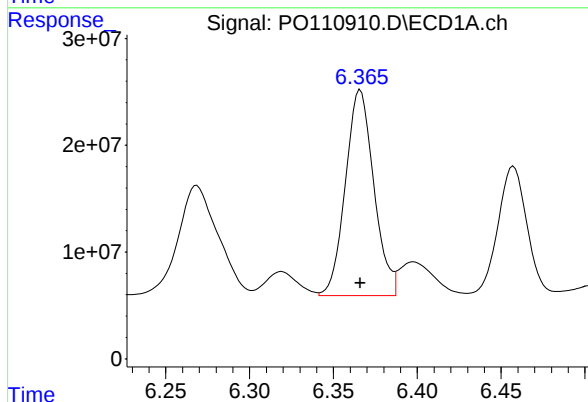
R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 343193024
Conc: 760.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



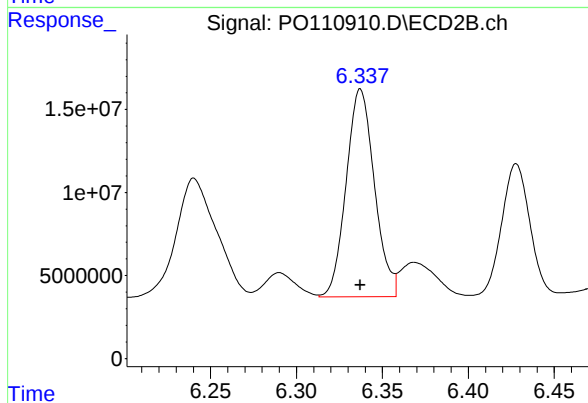
#28 AR-1254-3

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 247304991
Conc: 754.80 ng/ml



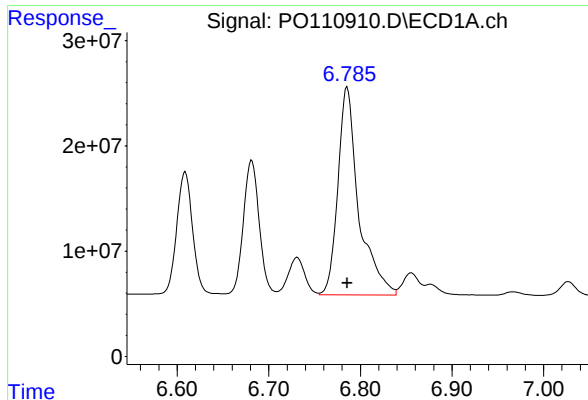
#29 AR-1254-4

R.T.: 6.366 min
Delta R.T.: 0.000 min
Response: 226882876
Conc: 754.71 ng/ml



#29 AR-1254-4

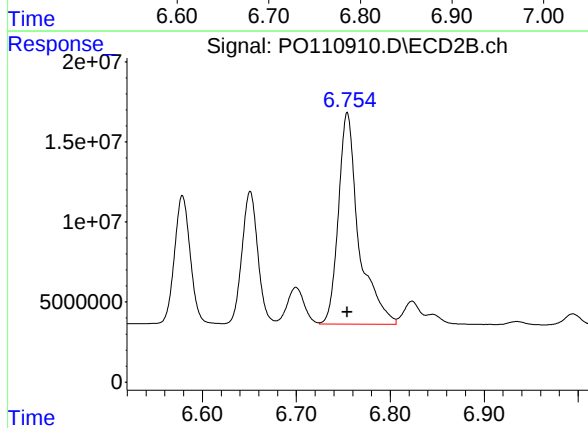
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 143347269
Conc: 752.94 ng/ml



#30 AR-1254-5

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 311892364
Conc: 749.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 199292430
Conc: 753.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110911.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 15:48
 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: May 02 16:00:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 15:59:59 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...	3.684	3.681	282.5E6	241.4E6	50.000	50.000
2) SA Decachlor...	8.728	8.678	308.3E6	88537702	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.582	5.560	170.4E6	125.7E6	500.000	500.000
27) L6 AR-1254-2	5.732	5.708	140.0E6	106.2E6	500.000	500.000
28) L6 AR-1254-3	6.136	6.110	225.4E6	165.6E6	500.000	500.000
29) L6 AR-1254-4	6.367	6.338	153.2E6	96996949	500.000	500.000
30) L6 AR-1254-5	6.786	6.755	214.2E6	134.6E6	500.000	500.000

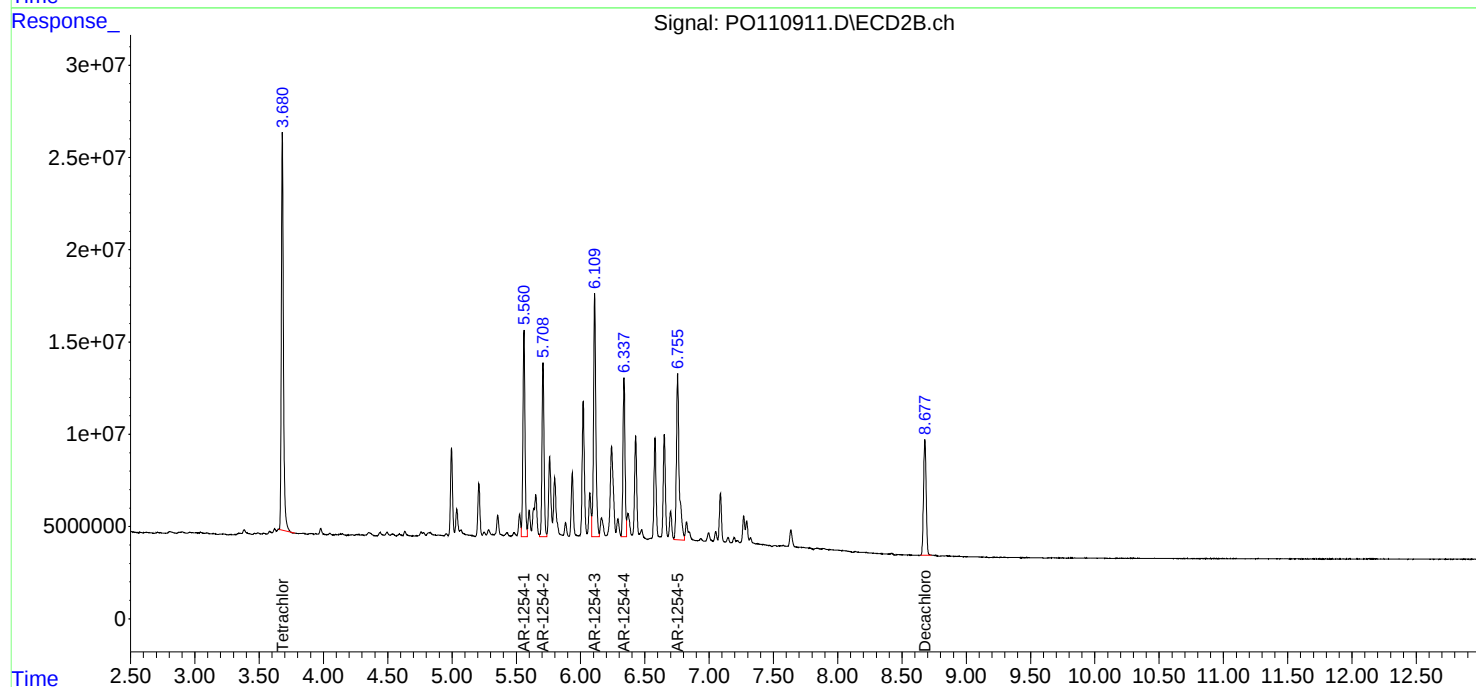
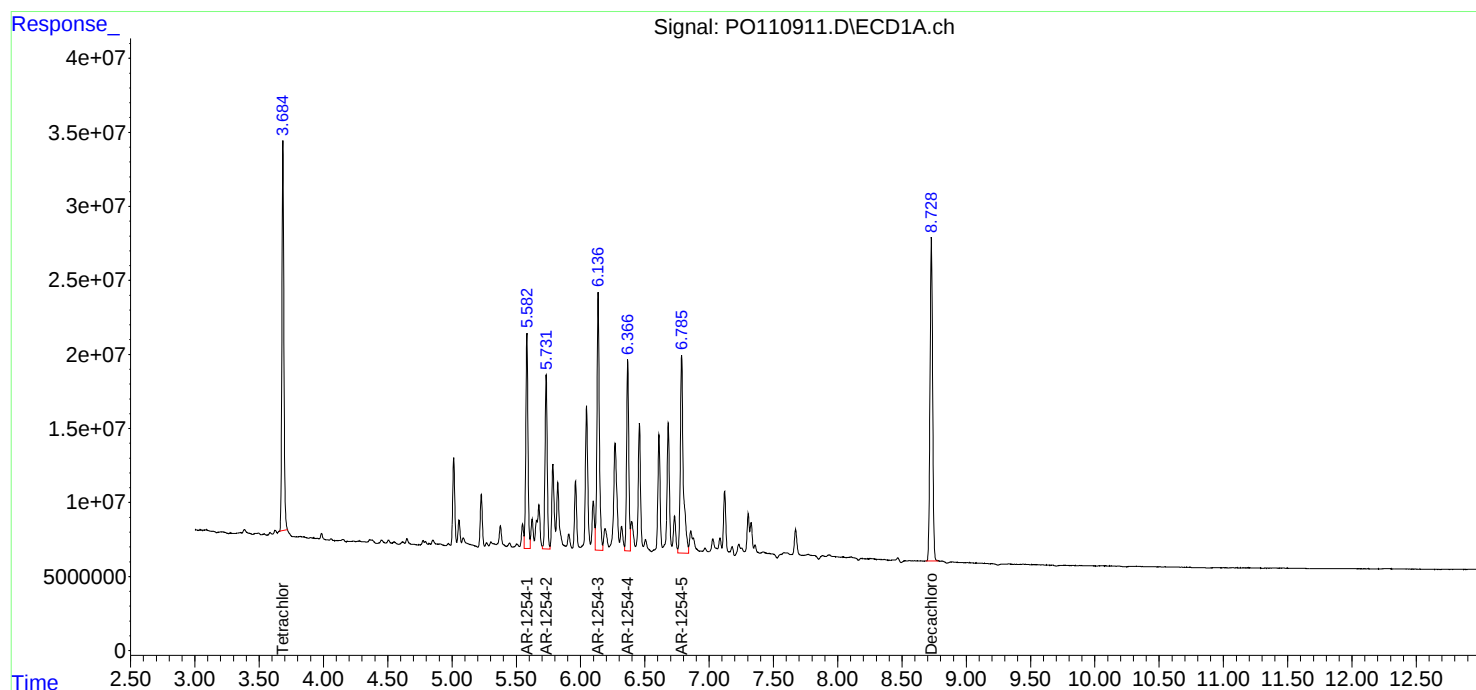
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

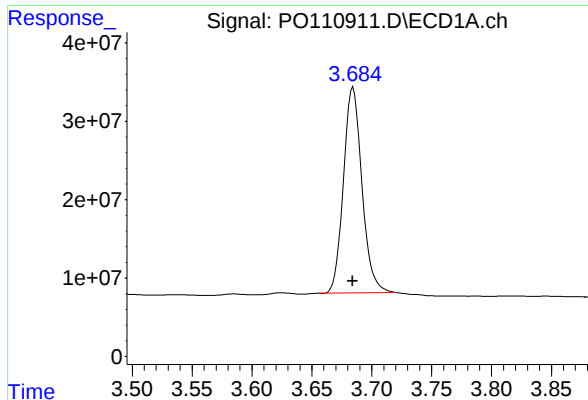
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 15:48
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 16:00:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 15:59:59 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

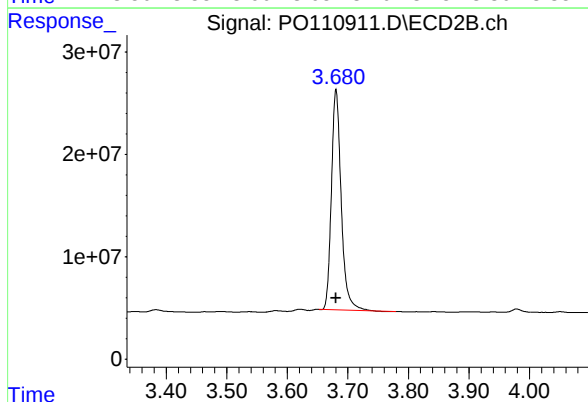




#1 Tetrachloro-m-xylene

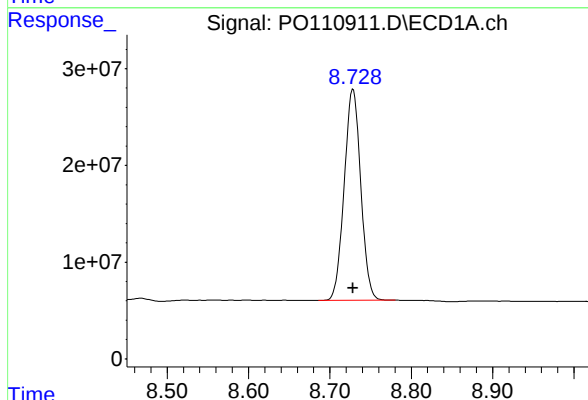
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 282507594
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



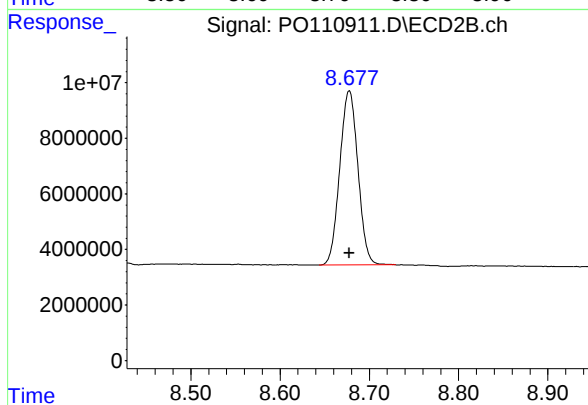
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 241397726
Conc: 50.00 ng/ml



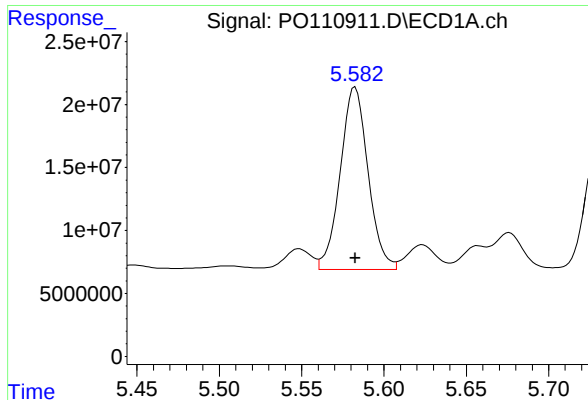
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 308295564
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

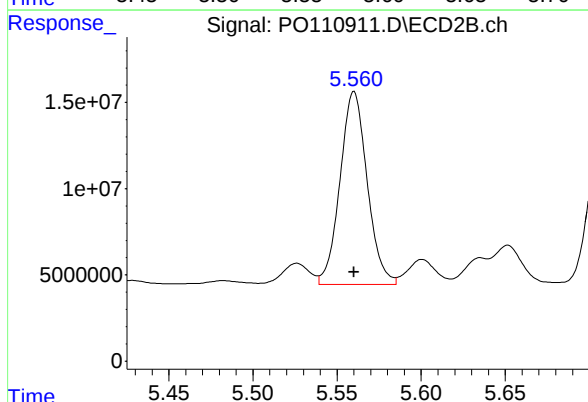
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 88537702
Conc: 50.00 ng/ml



#26 AR-1254-1

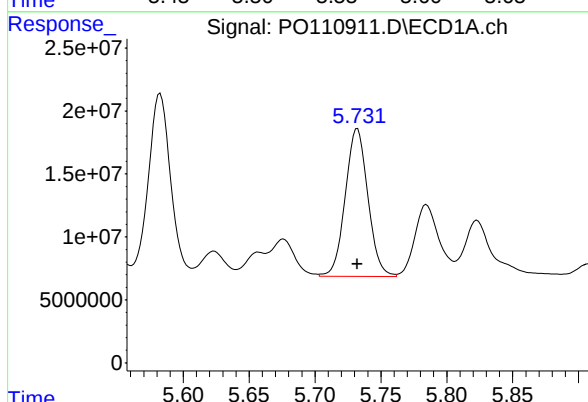
R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 170424865
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



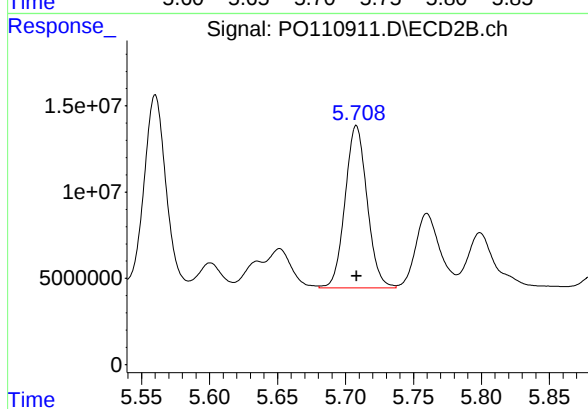
#26 AR-1254-1

R.T.: 5.560 min
Delta R.T.: 0.000 min
Response: 125686711
Conc: 500.00 ng/ml



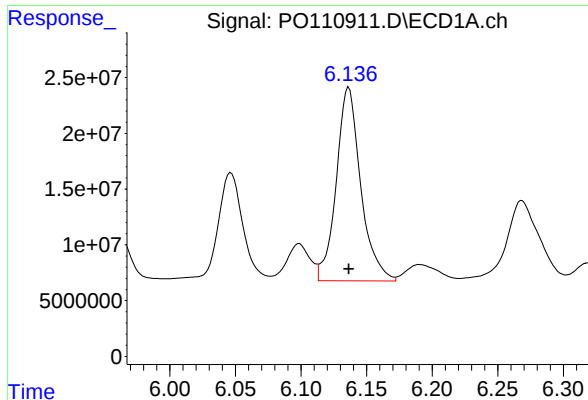
#27 AR-1254-2

R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 139992702
Conc: 500.00 ng/ml



#27 AR-1254-2

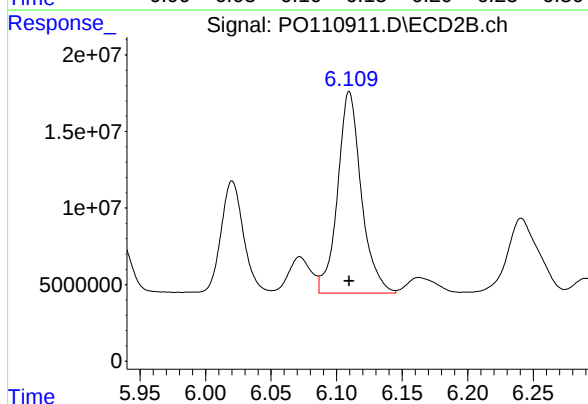
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 106206062
Conc: 500.00 ng/ml



#28 AR-1254-3

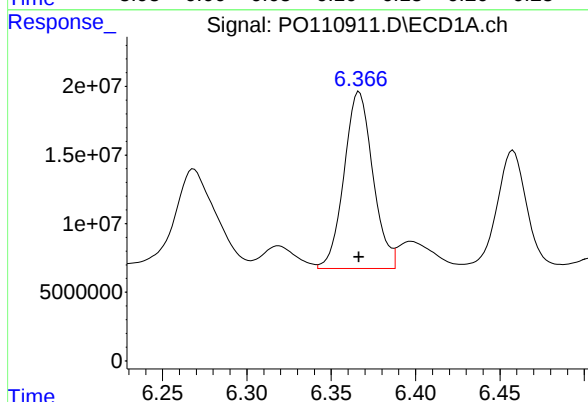
R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 225379125
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



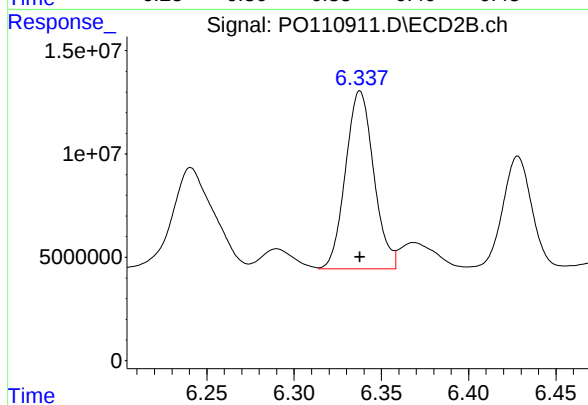
#28 AR-1254-3

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 165609012
Conc: 500.00 ng/ml



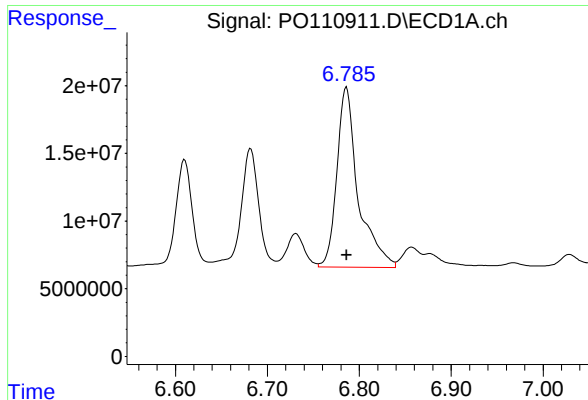
#29 AR-1254-4

R.T.: 6.367 min
Delta R.T.: 0.000 min
Response: 153220691
Conc: 500.00 ng/ml



#29 AR-1254-4

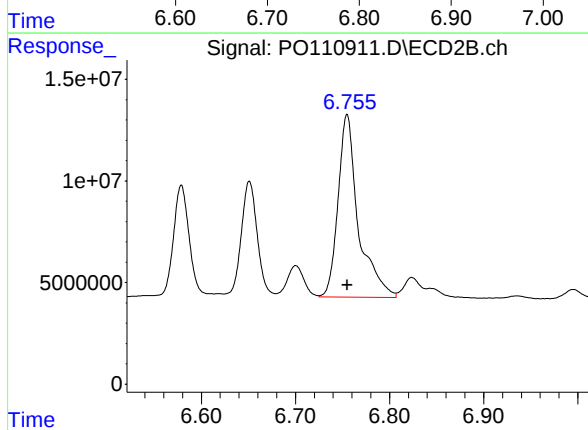
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 96996949
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 214212394
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 134562526
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110912.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 16:07
 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: May 02 16:24:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 15:59:59 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...	3.684	3.680	149.5E6	126.5E6	25.735	25.631
2) SA Decachlor...	8.728	8.677	162.5E6	46573337	26.540	27.020
Target Compounds						
26) L6 AR-1254-1	5.582	5.559	89585333	66476706	265.780	266.859
27) L6 AR-1254-2	5.732	5.707	77477026	58202668	269.277	270.418
28) L6 AR-1254-3	6.136	6.109	121.0E6	88016126	263.198	263.721
29) L6 AR-1254-4	6.366	6.337	81390707	51770094	265.239	266.091
30) L6 AR-1254-5	6.785	6.755	110.6E6	71067939	261.569	263.823

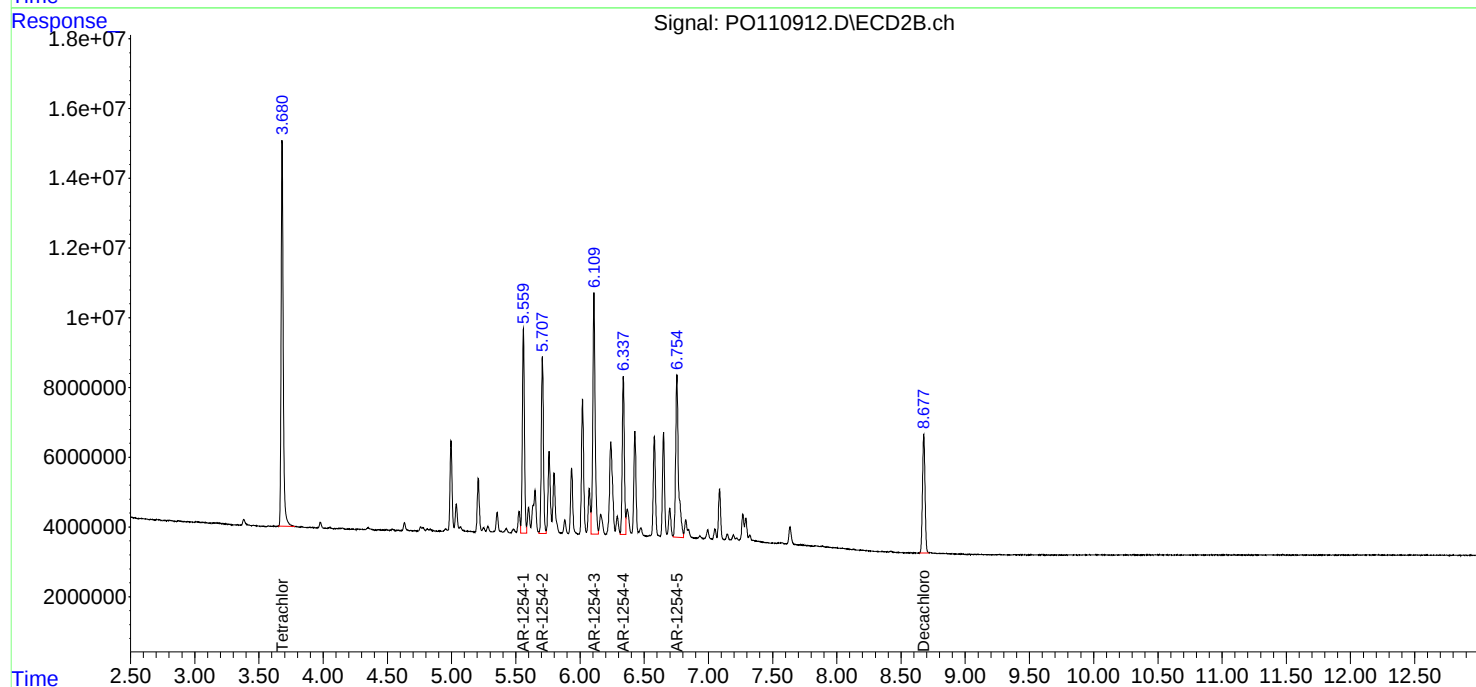
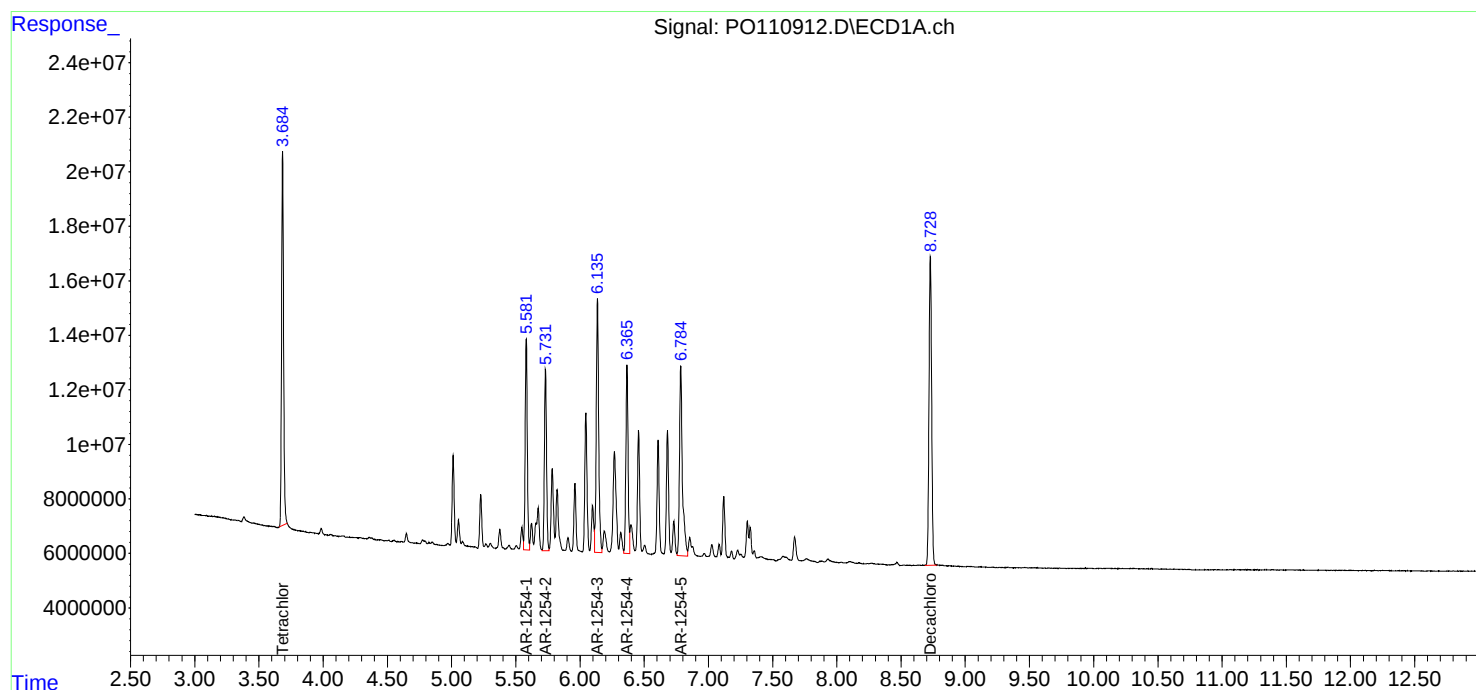
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

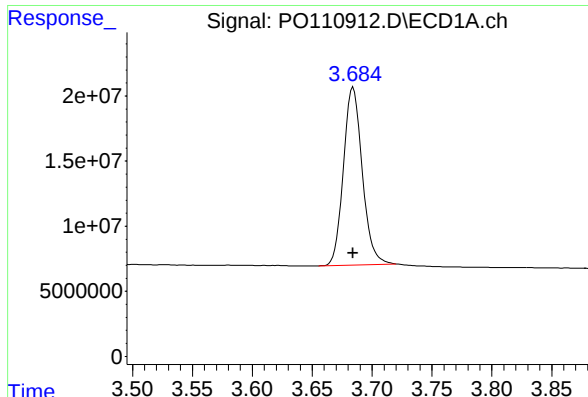
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 16:07
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 16:24:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 15:59:59 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

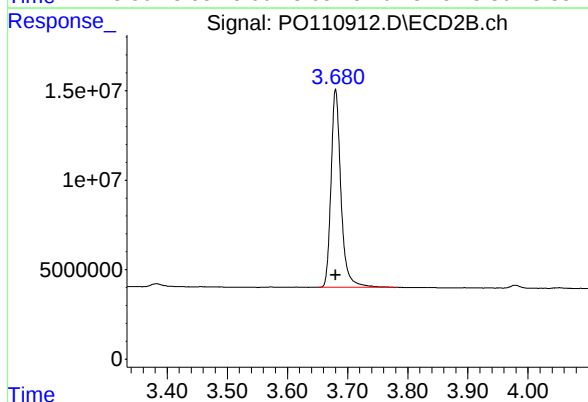




#1 Tetrachloro-m-xylene

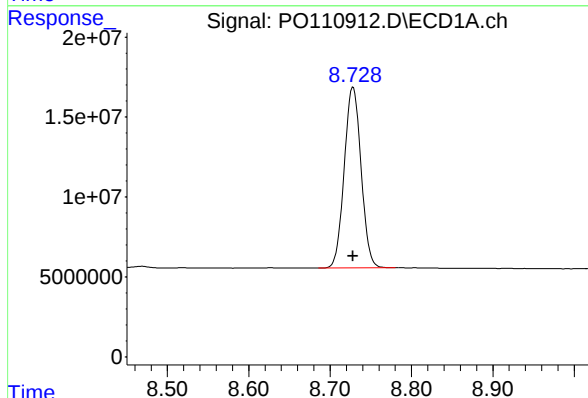
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 149485920
Conc: 25.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



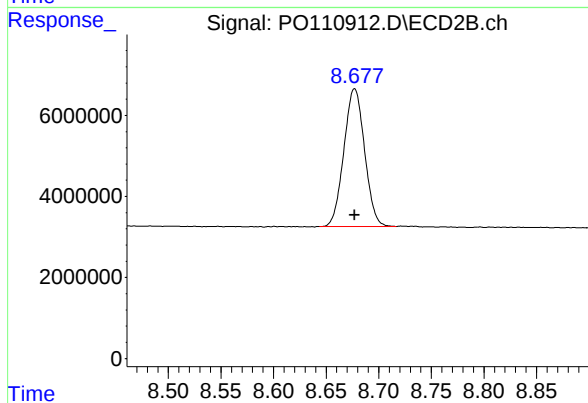
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 126492352
Conc: 25.63 ng/ml



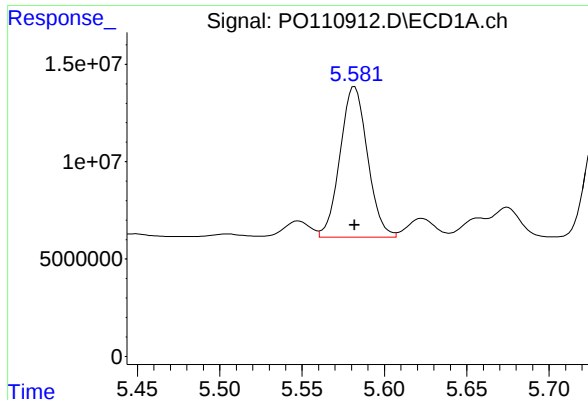
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.000 min
Response: 162492432
Conc: 26.54 ng/ml



#2 Decachlorobiphenyl

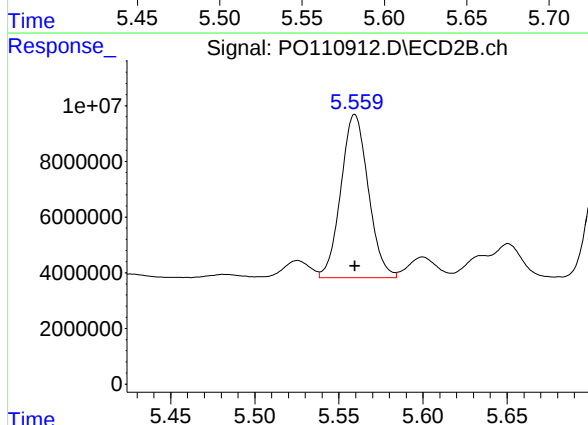
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 46573337
Conc: 27.02 ng/ml



#26 AR-1254-1

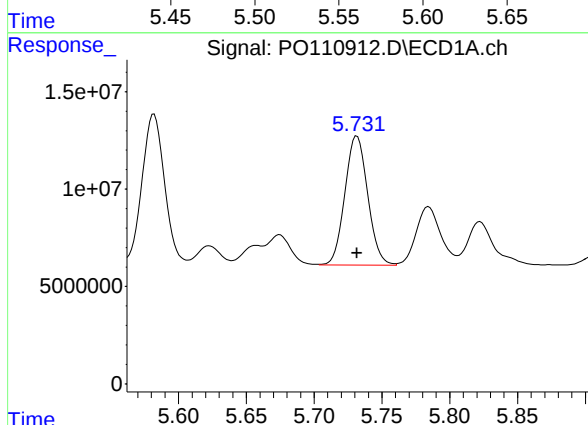
R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 89585333
Conc: 265.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



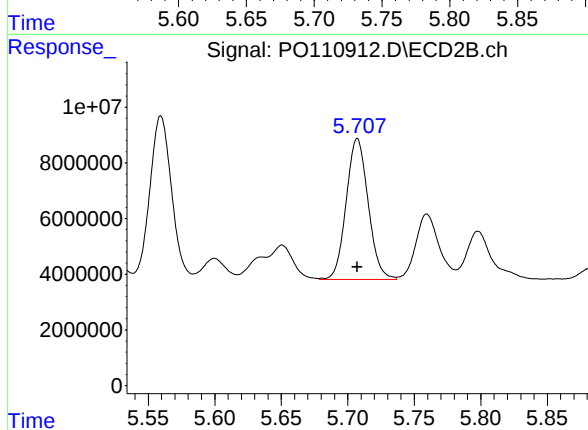
#26 AR-1254-1

R.T.: 5.559 min
Delta R.T.: 0.000 min
Response: 66476706
Conc: 266.86 ng/ml



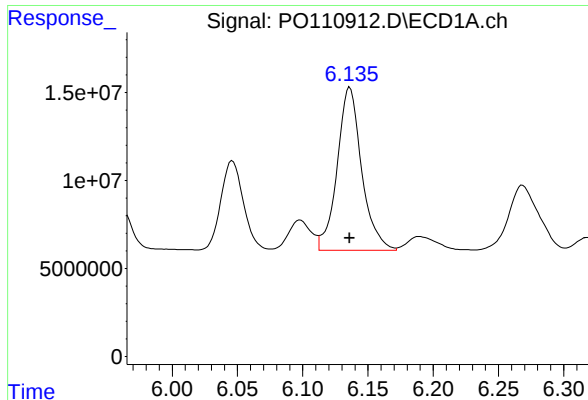
#27 AR-1254-2

R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 77477026
Conc: 269.28 ng/ml



#27 AR-1254-2

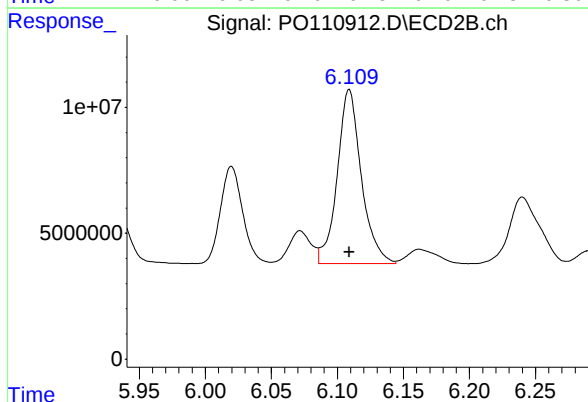
R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 58202668
Conc: 270.42 ng/ml



#28 AR-1254-3

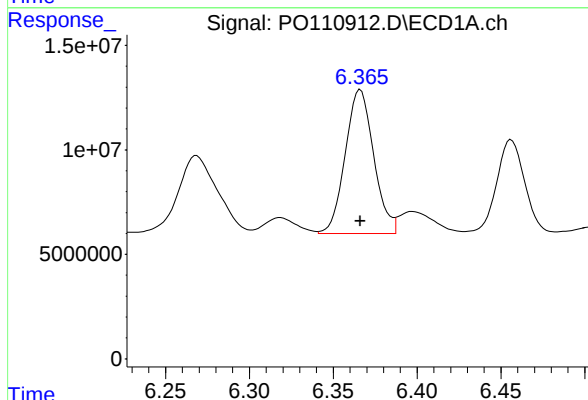
R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 120970500
Conc: 263.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



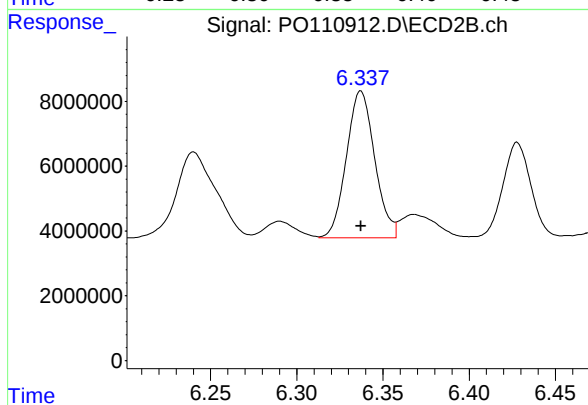
#28 AR-1254-3

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 88016126
Conc: 263.72 ng/ml



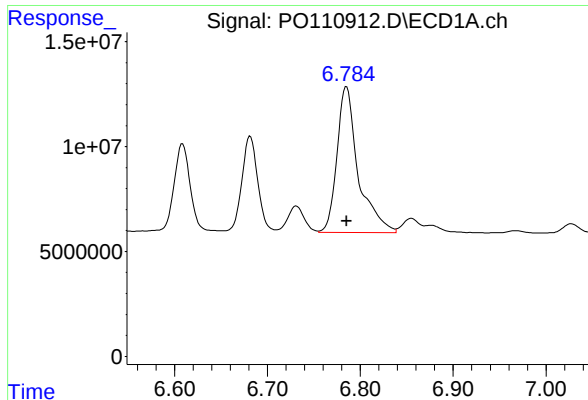
#29 AR-1254-4

R.T.: 6.366 min
Delta R.T.: 0.000 min
Response: 81390707
Conc: 265.24 ng/ml



#29 AR-1254-4

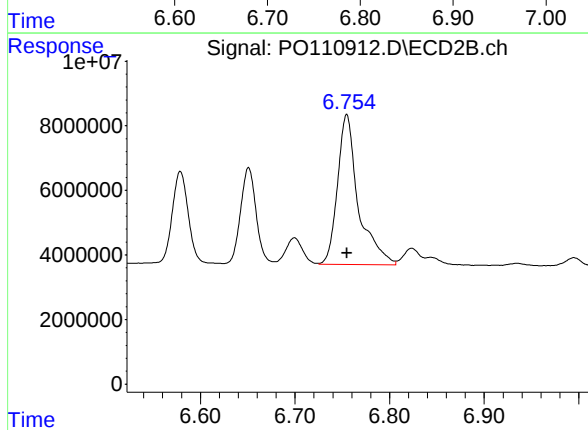
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 51770094
Conc: 266.09 ng/ml



#30 AR-1254-5

R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 110558795
Conc: 261.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 71067939
Conc: 263.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110913.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 16:25
 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: May 02 16:33:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 15:59:59 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...	3.684	3.680	26377540	22002180	4.626	4.557
2) SA Decachlor...	8.727	8.677	30782814	8968537	5.022	5.161
Target Compounds						
26) L6 AR-1254-1	5.583	5.559	16979705	12934439	50.300	51.527
27) L6 AR-1254-2	5.732	5.708	14380863	11500122	49.985	52.708
28) L6 AR-1254-3	6.137	6.109	22400934	16802895	48.985	50.277
29) L6 AR-1254-4	6.366	6.337	14834665	9628805	48.666	49.592
30) L6 AR-1254-5	6.786	6.754	20936827	13194846	49.626	49.183

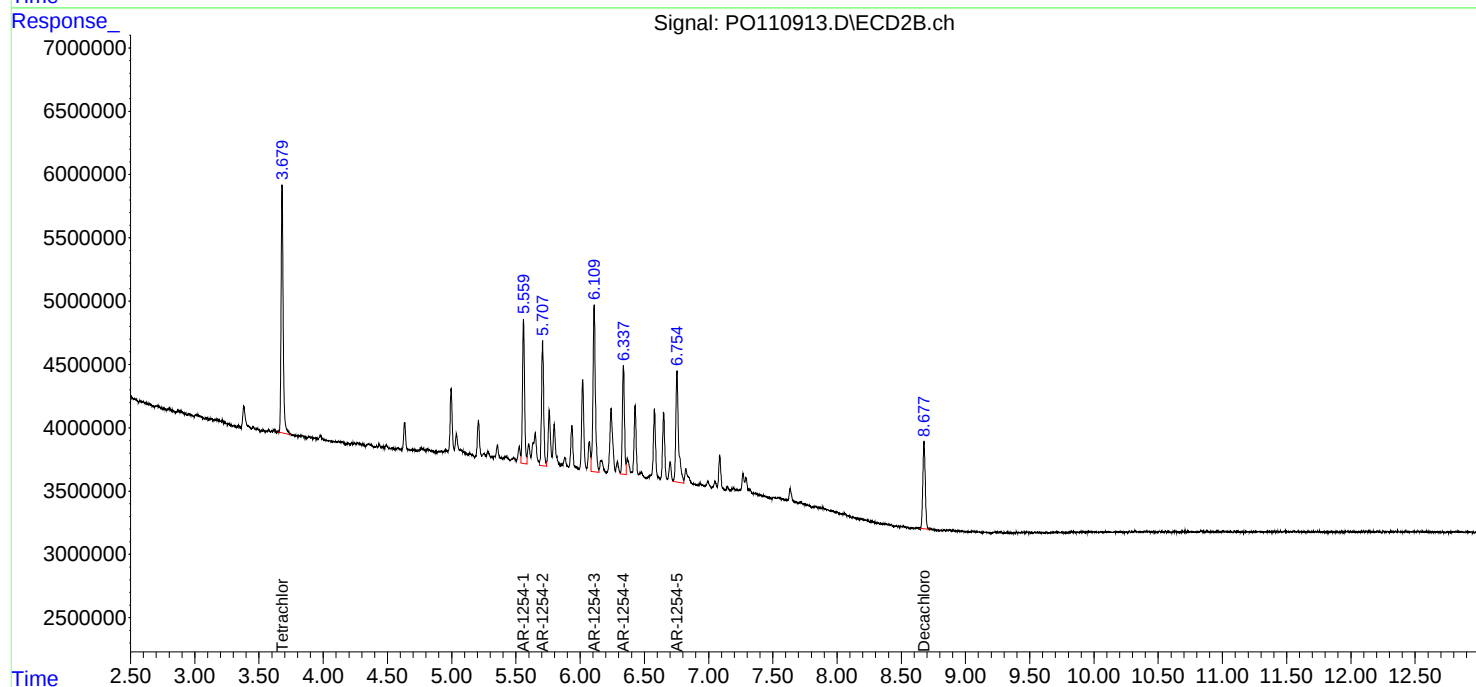
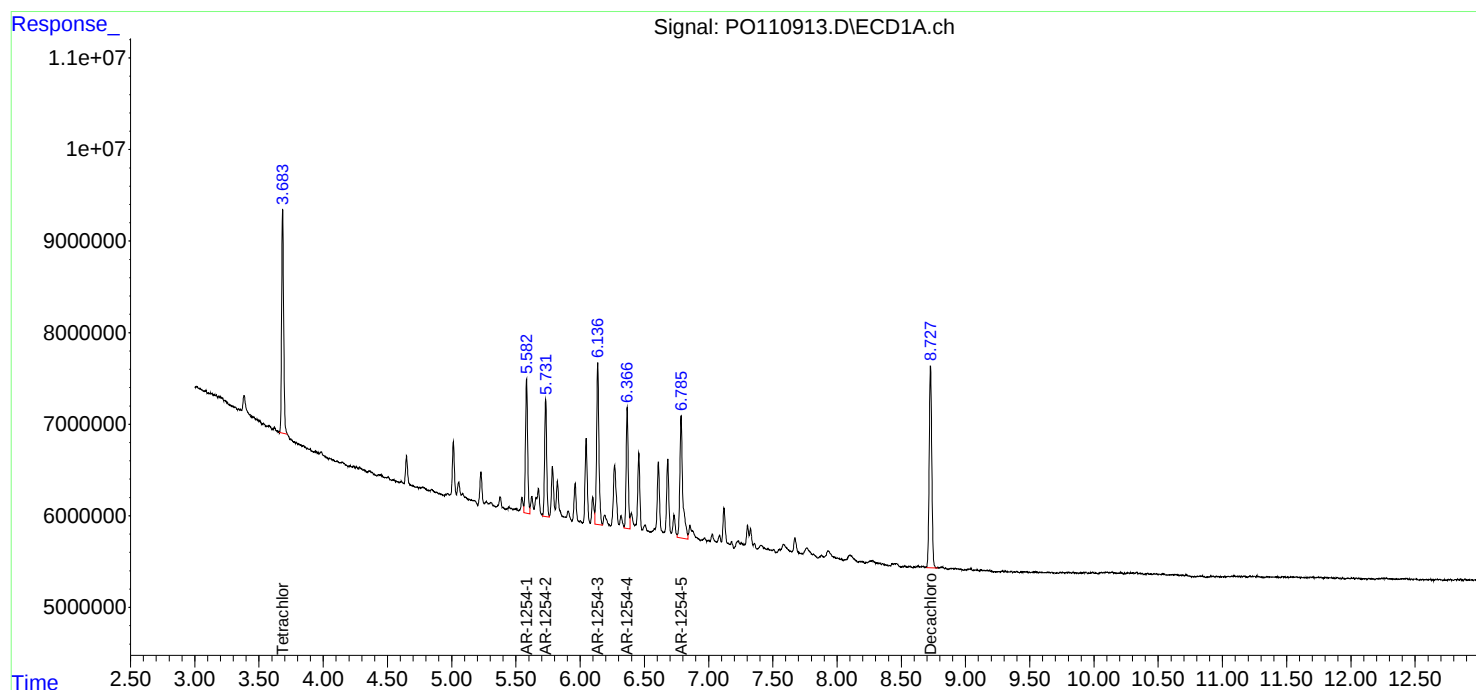
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

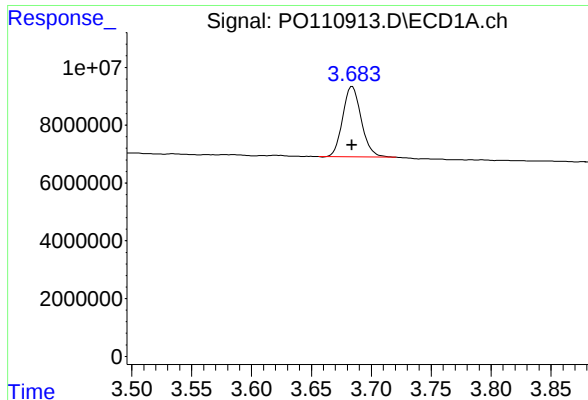
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 16:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 16:33:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 15:59:59 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

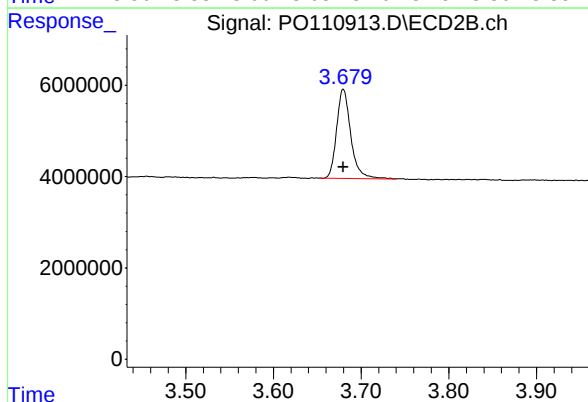




#1 Tetrachloro-m-xylene

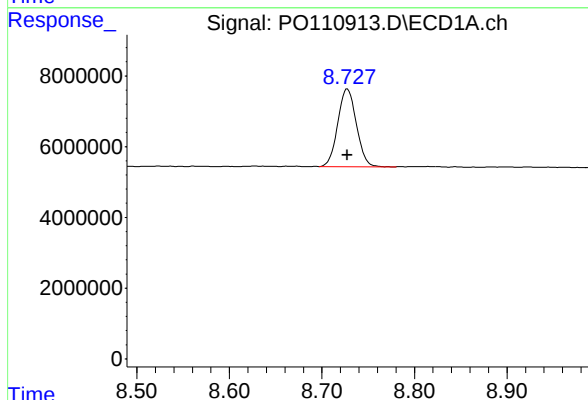
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 26377540
Conc: 4.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



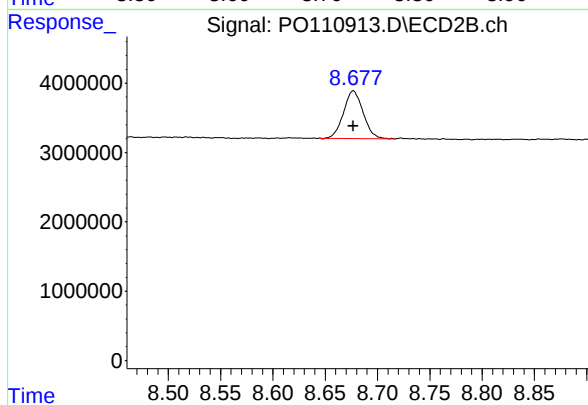
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 22002180
Conc: 4.56 ng/ml



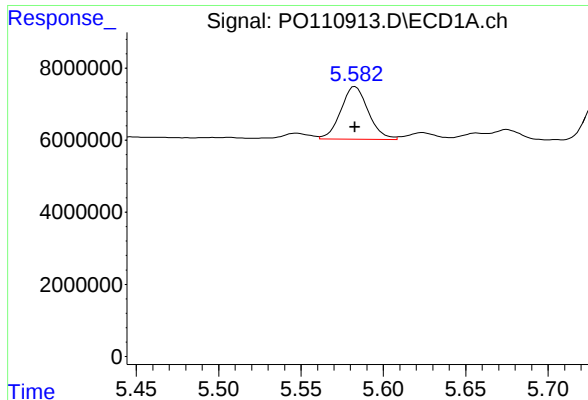
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 30782814
Conc: 5.02 ng/ml



#2 Decachlorobiphenyl

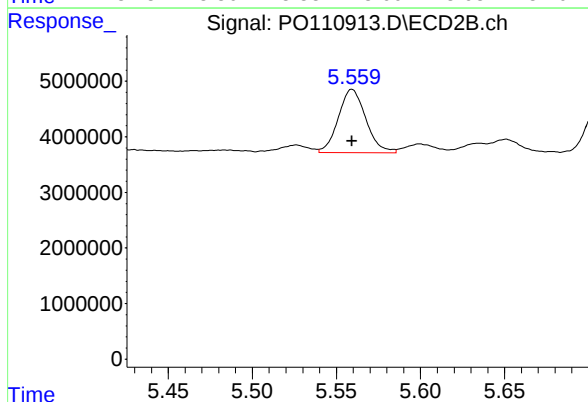
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 8968537
Conc: 5.16 ng/ml



#26 AR-1254-1

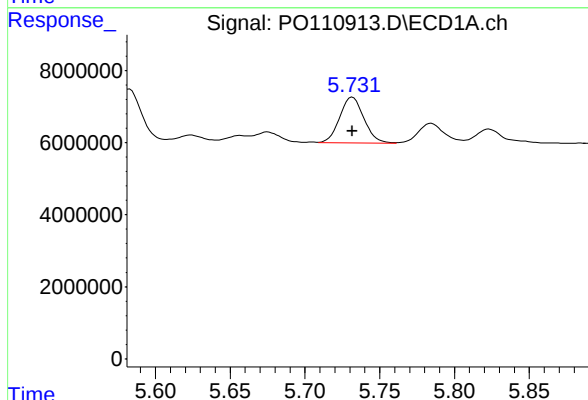
R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 16979705
Conc: 50.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



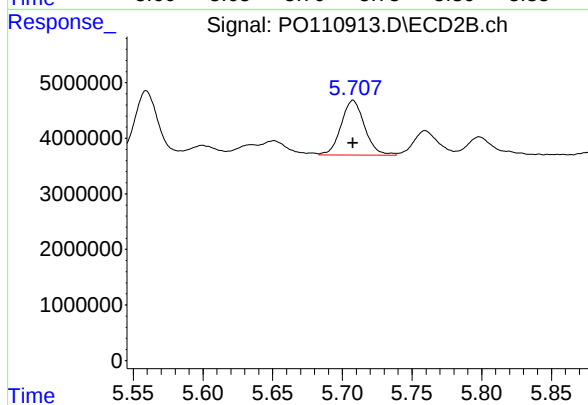
#26 AR-1254-1

R.T.: 5.559 min
Delta R.T.: 0.000 min
Response: 12934439
Conc: 51.53 ng/ml



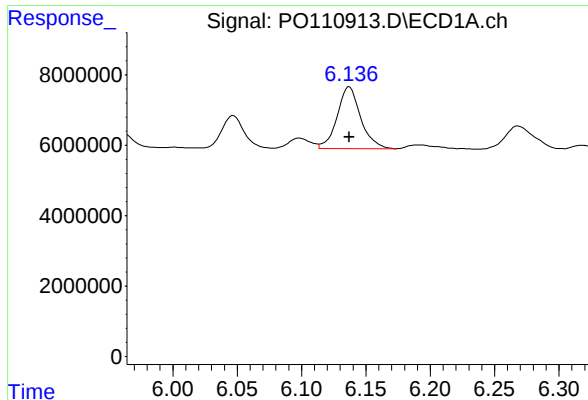
#27 AR-1254-2

R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 14380863
Conc: 49.99 ng/ml



#27 AR-1254-2

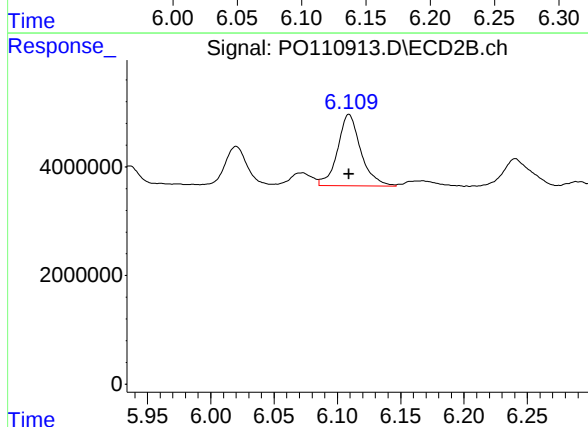
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 11500122
Conc: 52.71 ng/ml



#28 AR-1254-3

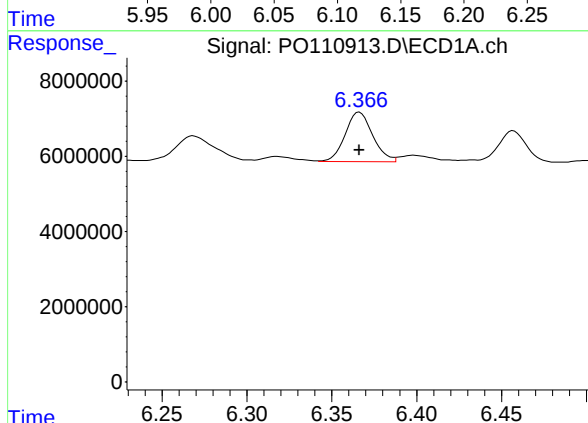
R.T.: 6.137 min
Delta R.T.: 0.000 min
Response: 22400934
Conc: 48.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



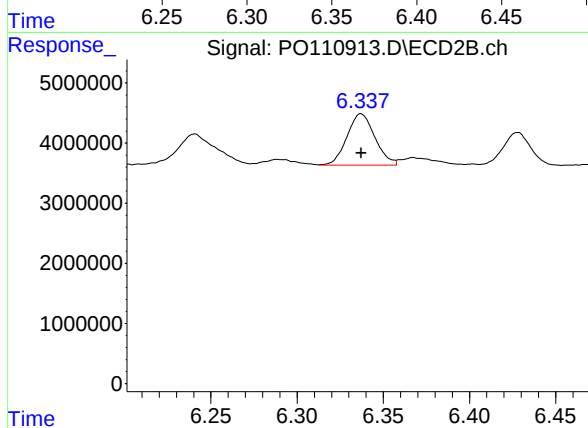
#28 AR-1254-3

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 16802895
Conc: 50.28 ng/ml



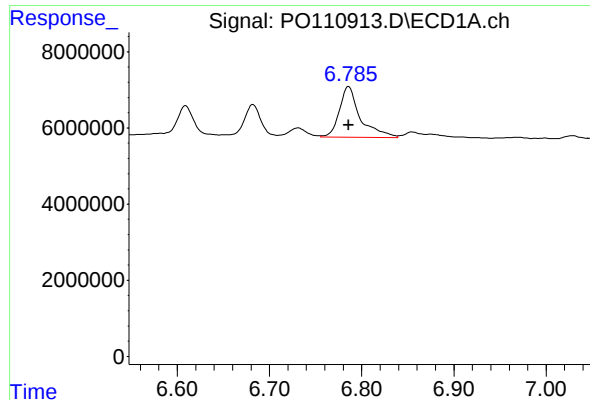
#29 AR-1254-4

R.T.: 6.366 min
Delta R.T.: 0.000 min
Response: 14834665
Conc: 48.67 ng/ml



#29 AR-1254-4

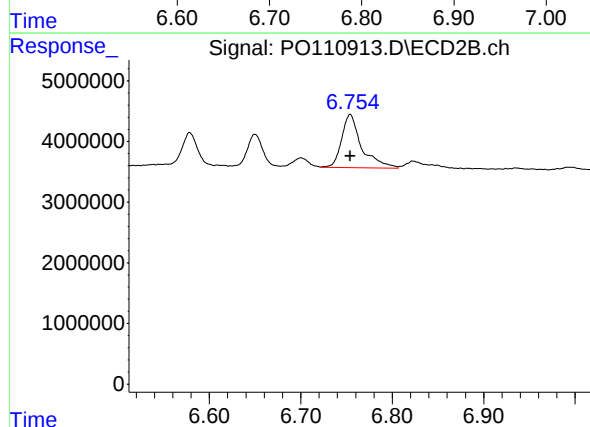
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 9628805
Conc: 49.59 ng/ml



#30 AR-1254-5

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 20936827
Conc: 49.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 13194846
Conc: 49.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110914.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 17:01
 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: May 02 17:19:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 17:19:28 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...	3.683	3.680	287.5E6	248.5E6	50.000	50.000
2) SA Decachlor...	8.727	8.677	301.9E6	86654868	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.823	6.793	230.2E6	141.2E6	500.000	500.000
37) L8 AR-1262-2	7.326	7.292	393.2E6	219.7E6	500.000	500.000
38) L8 AR-1262-3	7.609	7.575	167.0E6	81181101	500.000	500.000
39) L8 AR-1262-4	7.674	7.638	289.3E6	145.6E6	500.000	500.000
40) L8 AR-1262-5	8.172	8.132	133.4E6	49296483	500.000	500.000

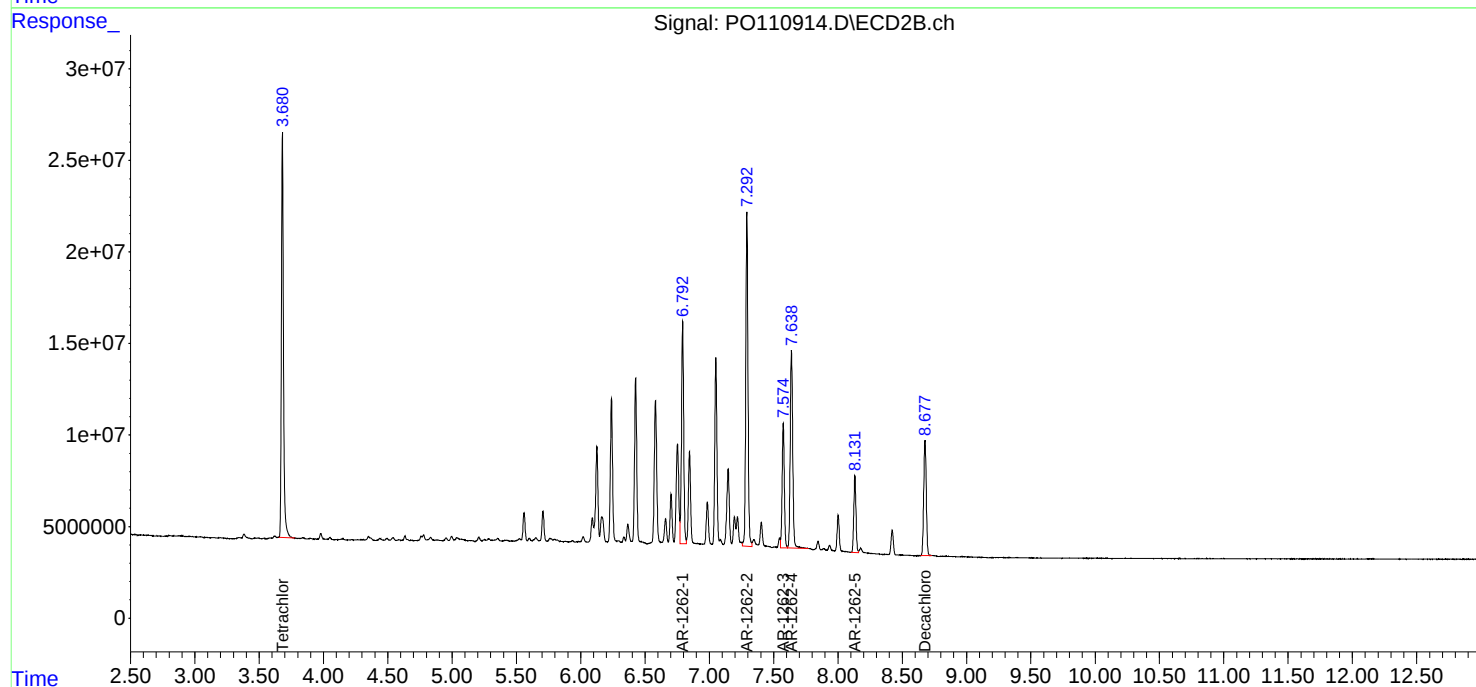
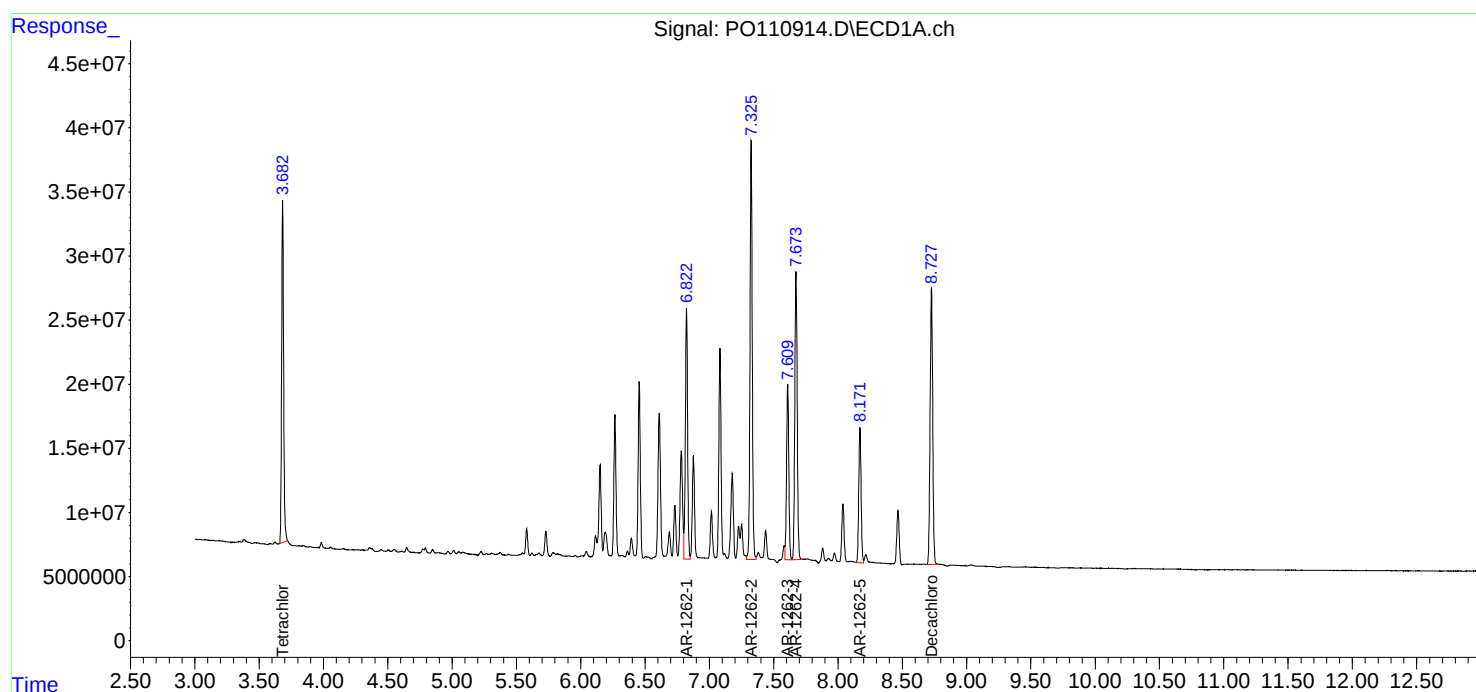
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

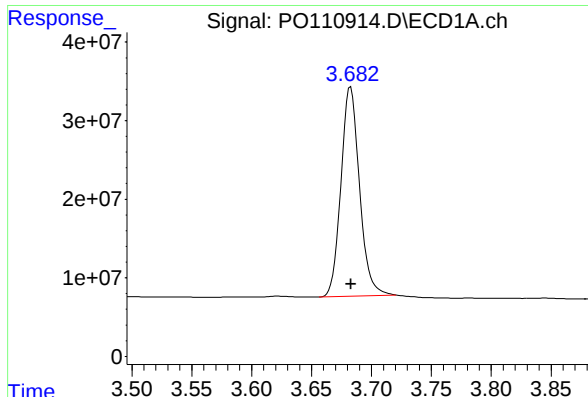
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:01
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 17:19:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 17:19:28 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

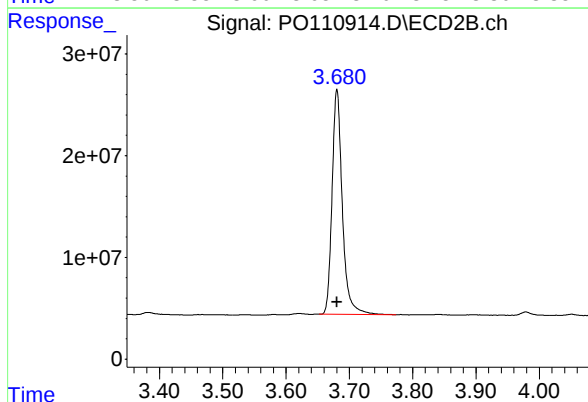




#1 Tetrachloro-m-xylene

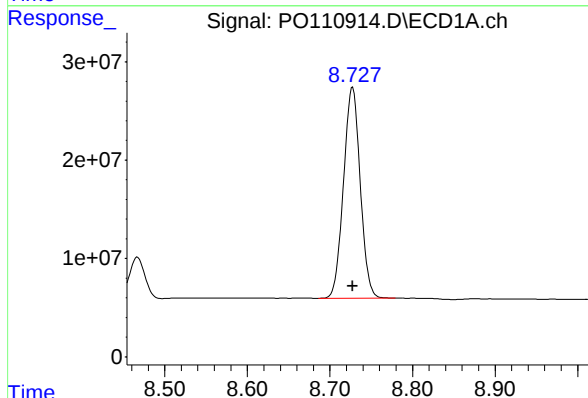
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 287519257
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



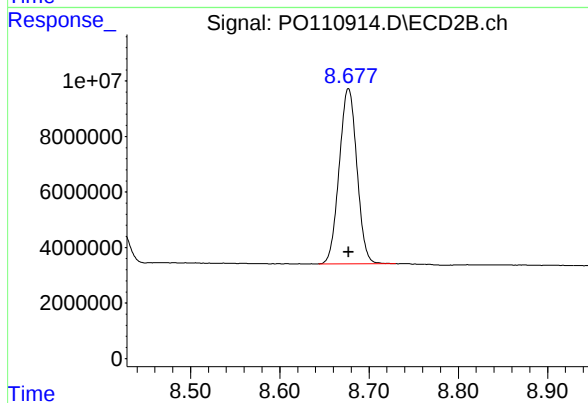
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 248524290
Conc: 50.00 ng/ml



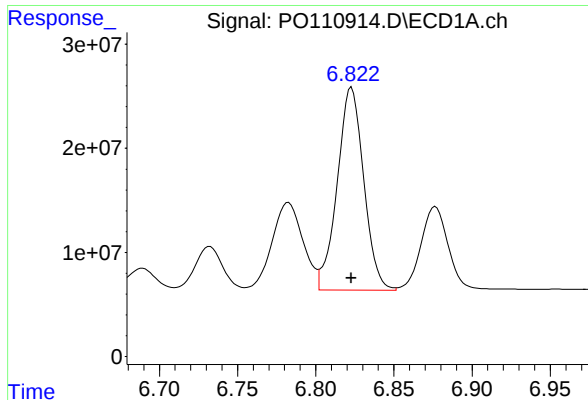
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 301931577
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

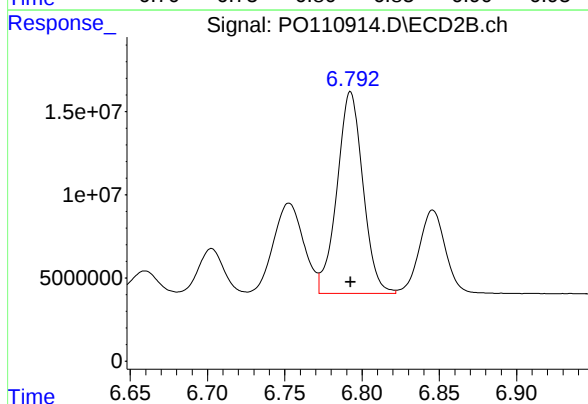
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 86654868
Conc: 50.00 ng/ml



#36 AR-1262-1

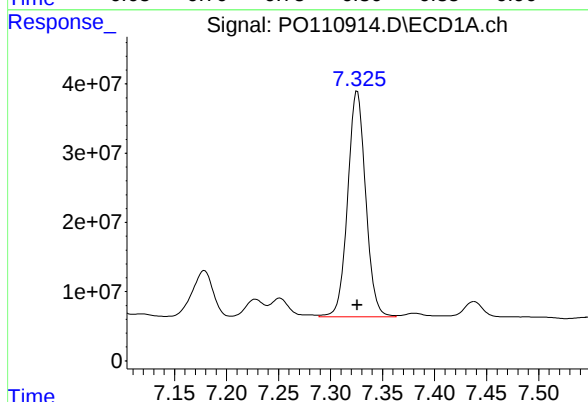
R.T.: 6.823 min
Delta R.T.: 0.000 min
Response: 230210457
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



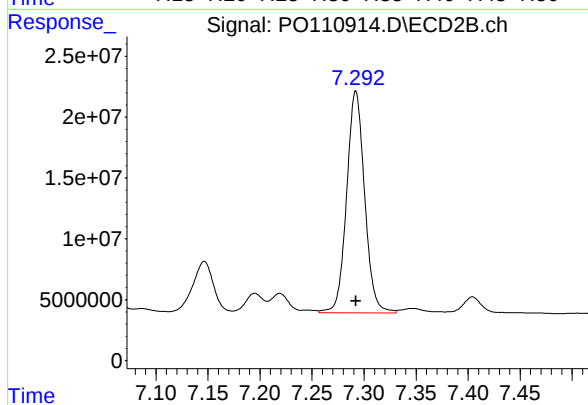
#36 AR-1262-1

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 141202483
Conc: 500.00 ng/ml



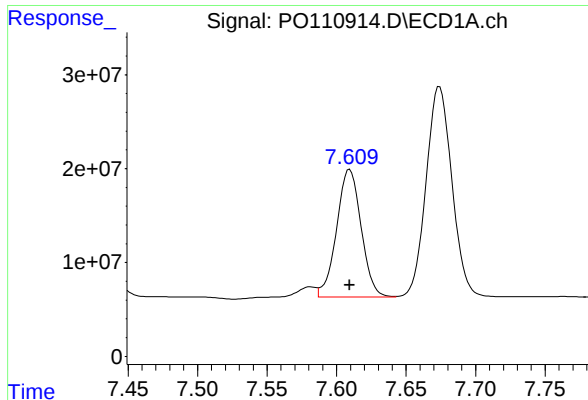
#37 AR-1262-2

R.T.: 7.326 min
Delta R.T.: 0.000 min
Response: 393248577
Conc: 500.00 ng/ml



#37 AR-1262-2

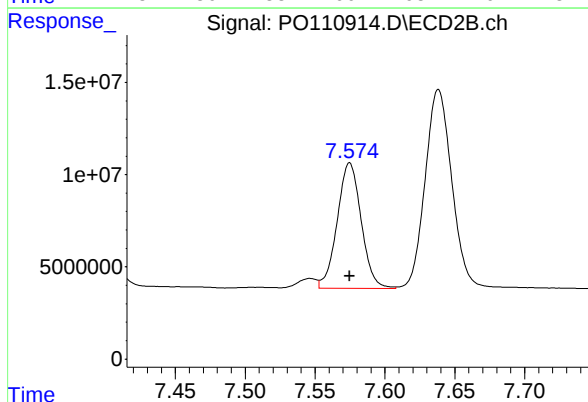
R.T.: 7.292 min
Delta R.T.: 0.000 min
Response: 219654237
Conc: 500.00 ng/ml



#38 AR-1262-3

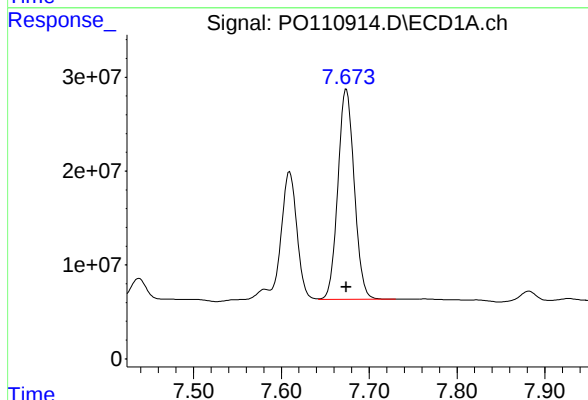
R.T.: 7.609 min
Delta R.T.: 0.000 min
Response: 167038642
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



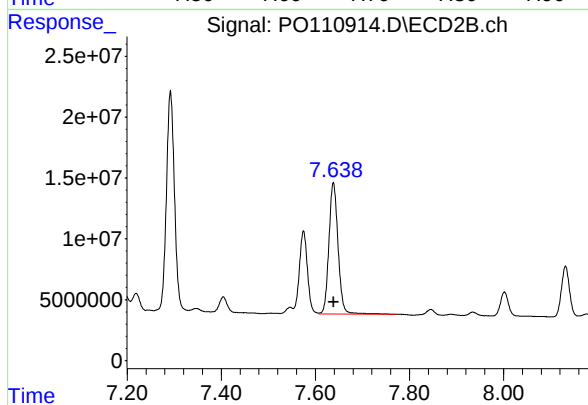
#38 AR-1262-3

R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 81181101
Conc: 500.00 ng/ml



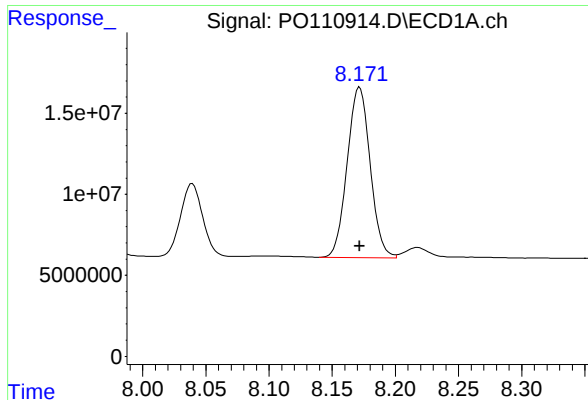
#39 AR-1262-4

R.T.: 7.674 min
Delta R.T.: 0.000 min
Response: 289254818
Conc: 500.00 ng/ml



#39 AR-1262-4

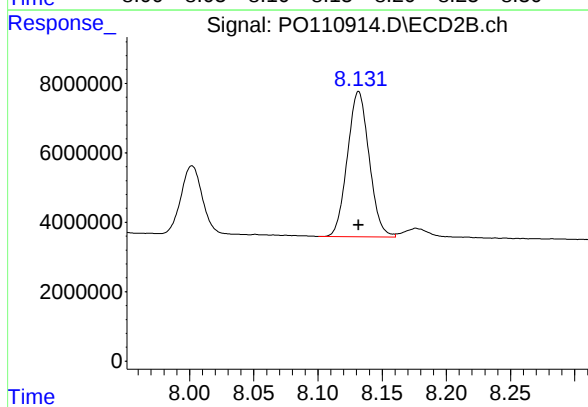
R.T.: 7.638 min
Delta R.T.: 0.000 min
Response: 145564455
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 133397468
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 49296483
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110915.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 17:19
 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: May 02 18:33:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 18:30:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.681	573.3E6	504.7E6	97.667	98.341
2) SA Decachlor...	8.729	8.678	966.8E6	272.4E6	96.901	95.710
Target Compounds						
41) L9 AR-1268-1	7.612	7.575	896.2E6	431.3E6	975.187	969.139
42) L9 AR-1268-2	7.677	7.640	817.1E6	393.3E6	974.807	972.186
43) L9 AR-1268-3	7.884	7.846	700.1E6	288.9E6	970.124	967.772
44) L9 AR-1268-4	8.172	8.132	290.3E6	105.0E6	966.013	961.948
45) L9 AR-1268-5	8.470	8.423	2111.4E6	621.1E6	981.067	972.203

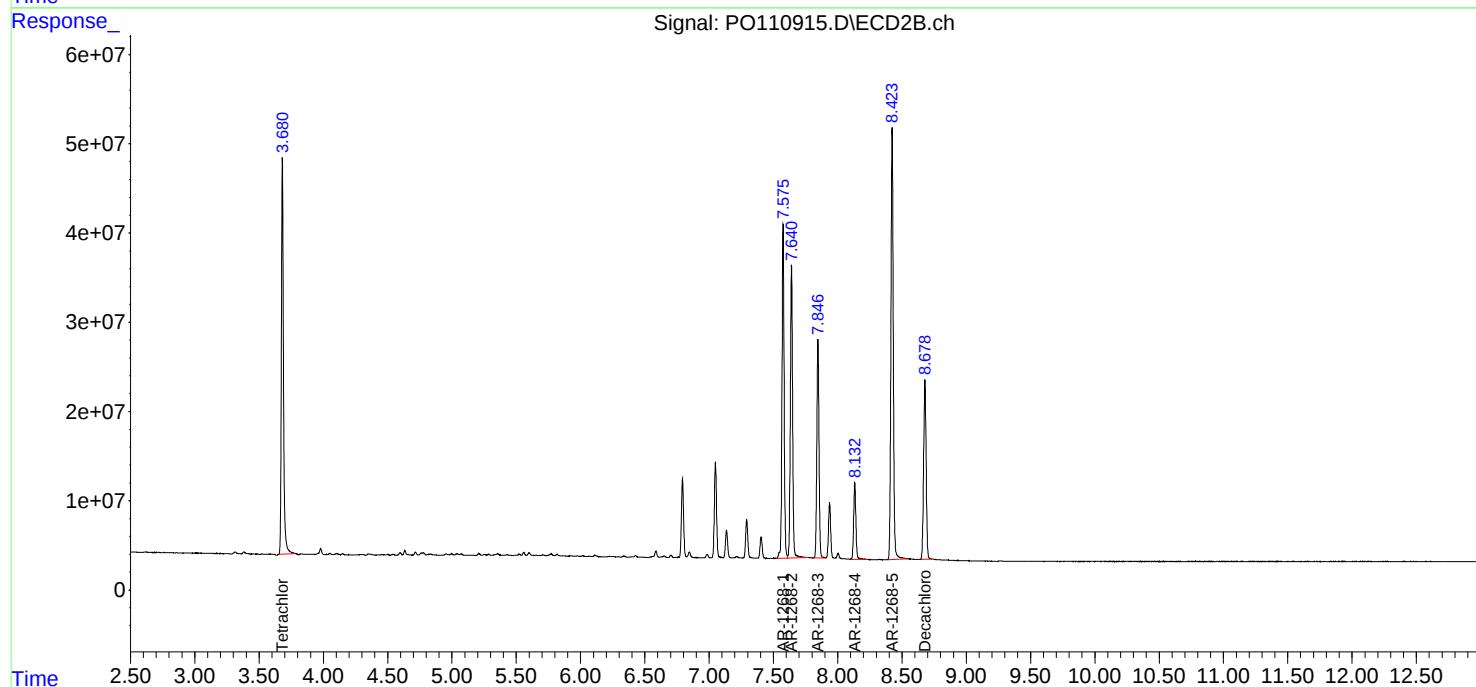
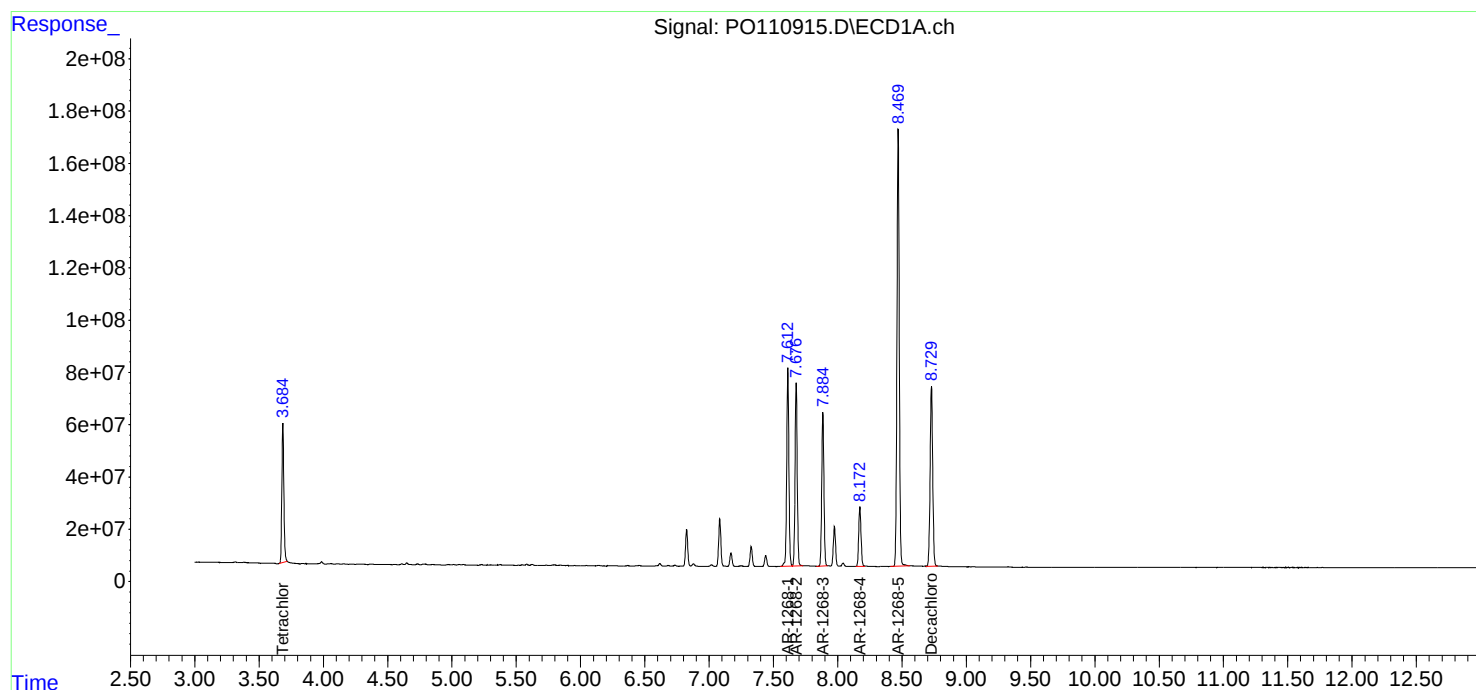
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

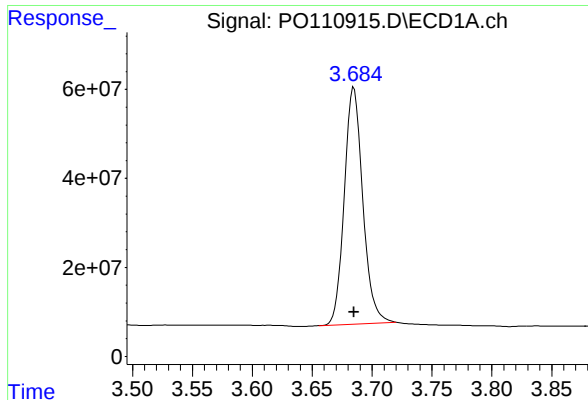
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:19
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:30:48 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

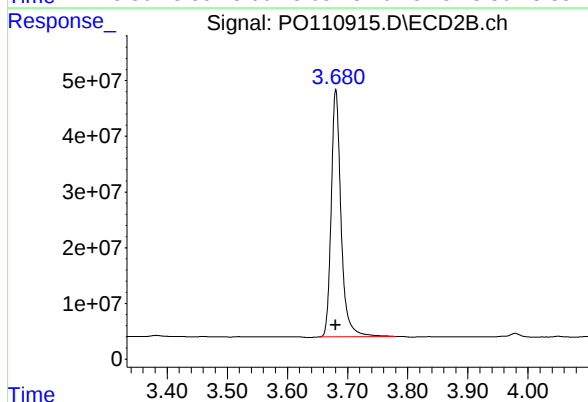




#1 Tetrachloro-m-xylene

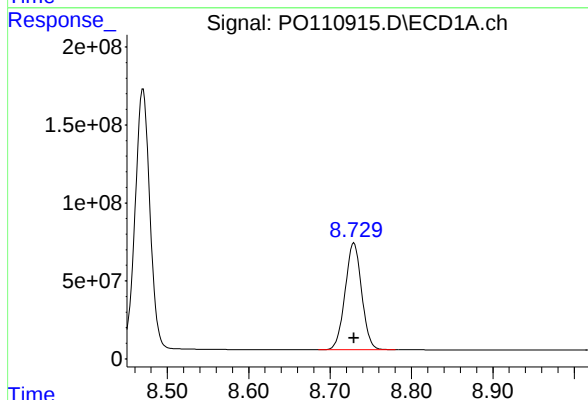
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 573309936
Conc: 97.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



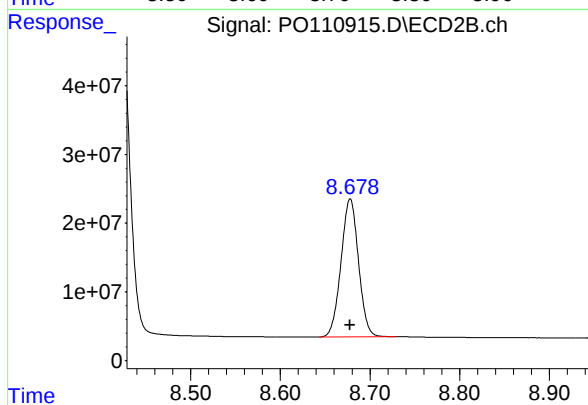
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 504726587
Conc: 98.34 ng/ml



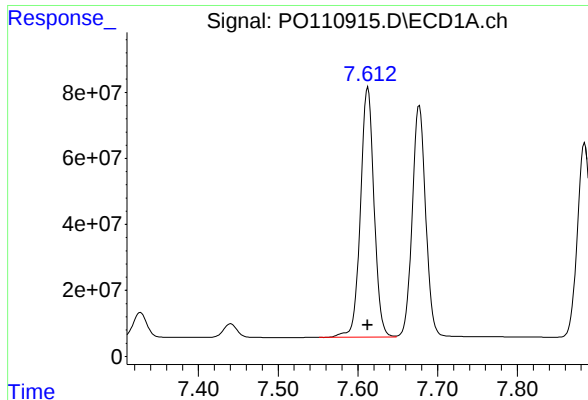
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 966833071
Conc: 96.90 ng/ml



#2 Decachlorobiphenyl

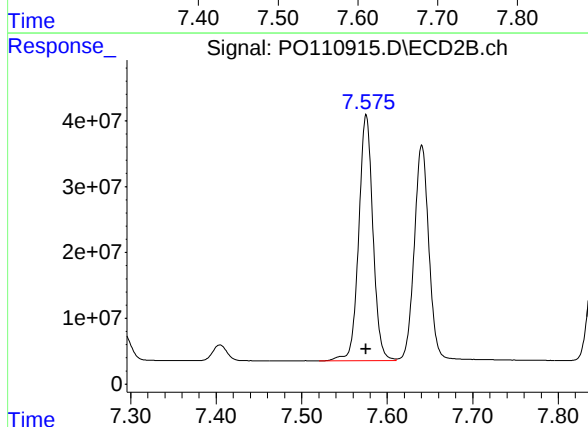
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 272358203
Conc: 95.71 ng/ml



#41 AR-1268-1

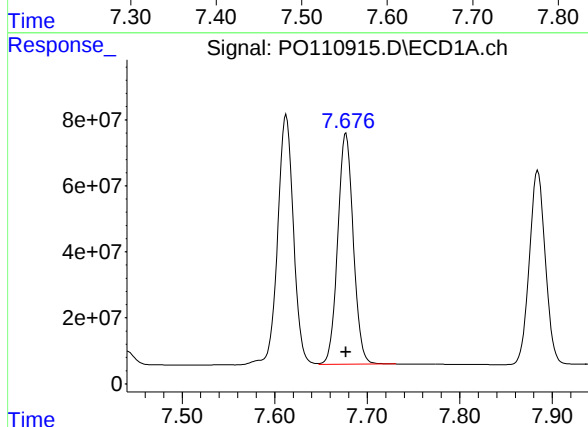
R.T.: 7.612 min
Delta R.T.: 0.000 min
Response: 896153865
Conc: 975.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



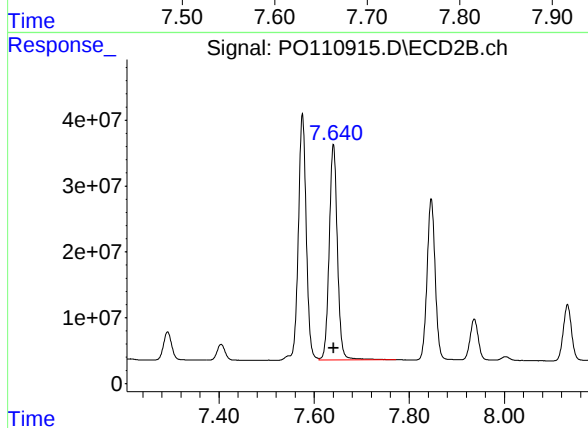
#41 AR-1268-1

R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 431329394
Conc: 969.14 ng/ml



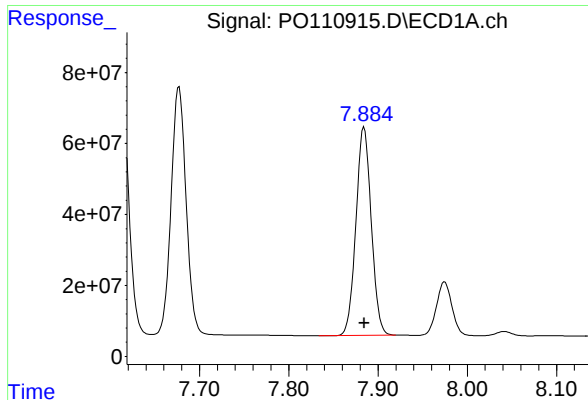
#42 AR-1268-2

R.T.: 7.677 min
Delta R.T.: 0.000 min
Response: 817138385
Conc: 974.81 ng/ml



#42 AR-1268-2

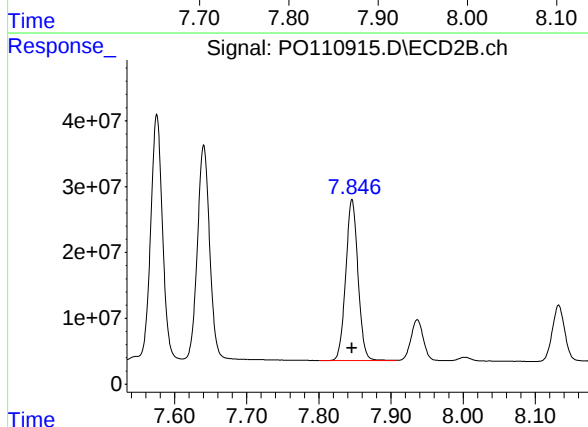
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 393313730
Conc: 972.19 ng/ml



#43 AR-1268-3

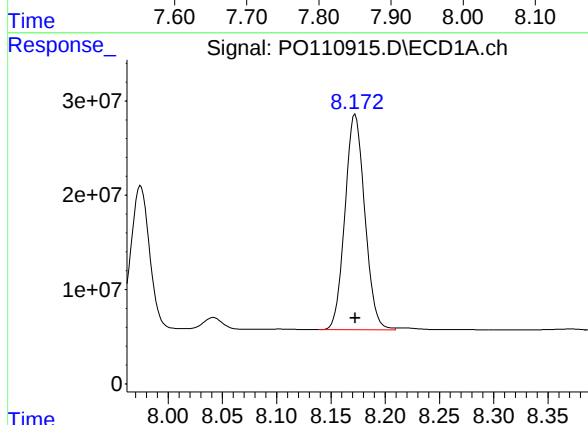
R.T.: 7.884 min
Delta R.T.: 0.000 min
Response: 700056139
Conc: 970.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



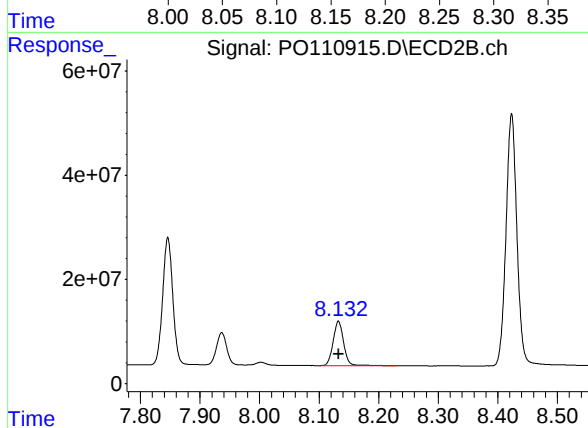
#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 288901411
Conc: 967.77 ng/ml



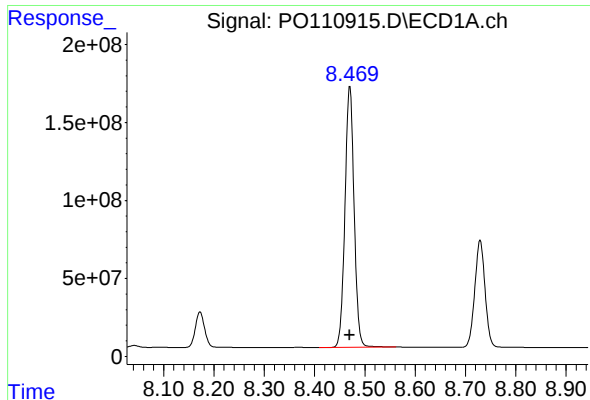
#44 AR-1268-4

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 290278356
Conc: 966.01 ng/ml



#44 AR-1268-4

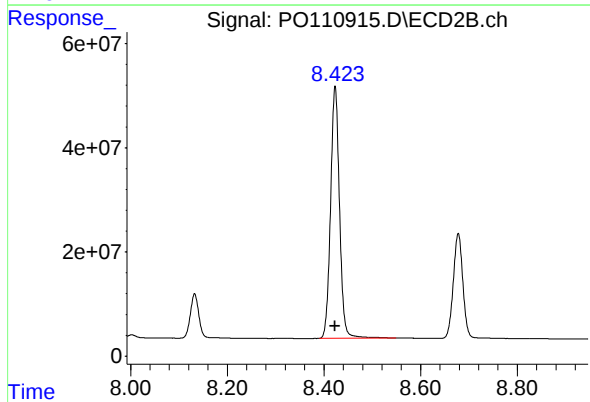
R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 104991080
Conc: 961.95 ng/ml



#45 AR-1268-5

R.T.: 8.470 min
Delta R.T.: 0.000 min
Response: 2111394804
Conc: 981.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 621133951
Conc: 972.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110916.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 17:38
 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: May 02 18:36:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 18:30:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.680	446.1E6	390.1E6	75.661	75.663
2) SA Decachlor...	8.729	8.677	750.0E6	210.9E6	75.114	74.412
Target Compounds						
41) L9 AR-1268-1	7.613	7.576	694.6E6	332.6E6	753.911	748.220
42) L9 AR-1268-2	7.677	7.641	634.0E6	301.9E6	754.209	747.404
43) L9 AR-1268-3	7.884	7.847	545.3E6	222.6E6	753.734	747.166
44) L9 AR-1268-4	8.173	8.132	226.0E6	82273644	751.474	752.534
45) L9 AR-1268-5	8.469	8.424	1623.9E6	474.3E6	753.030	744.937

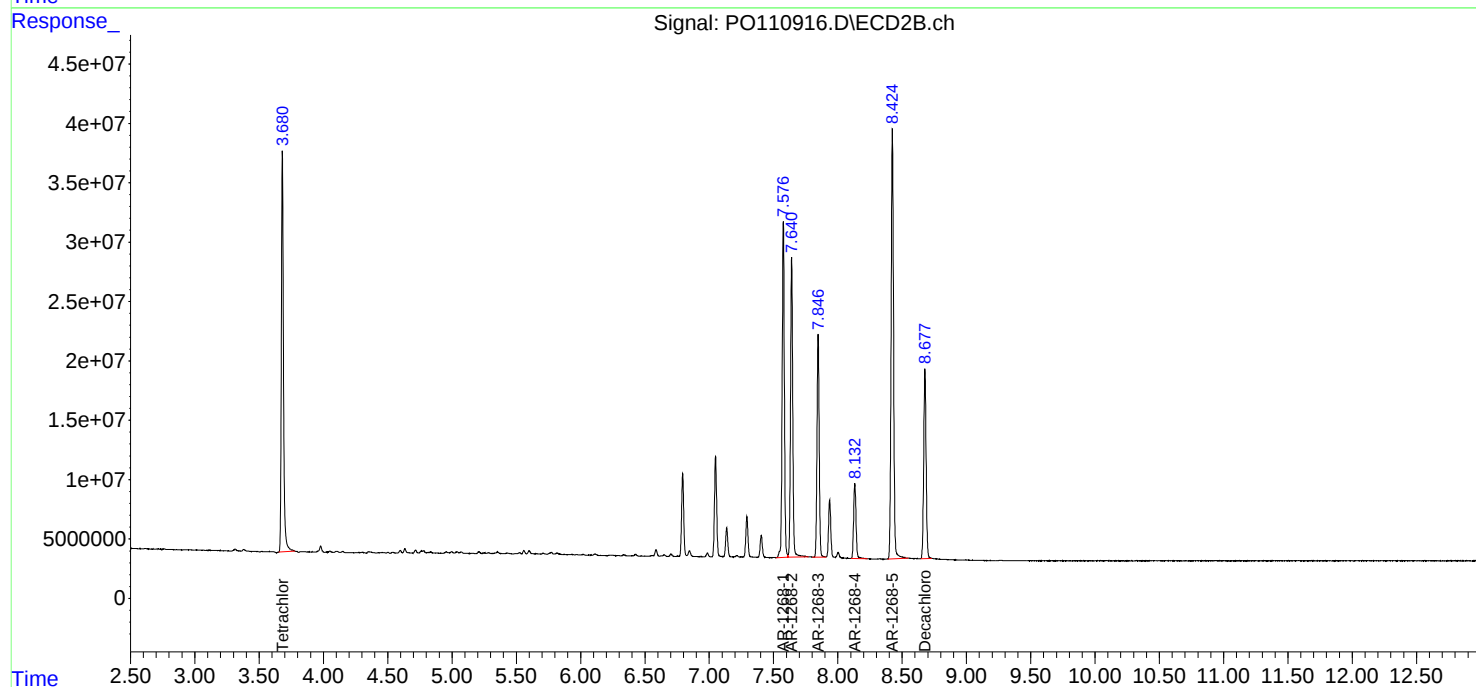
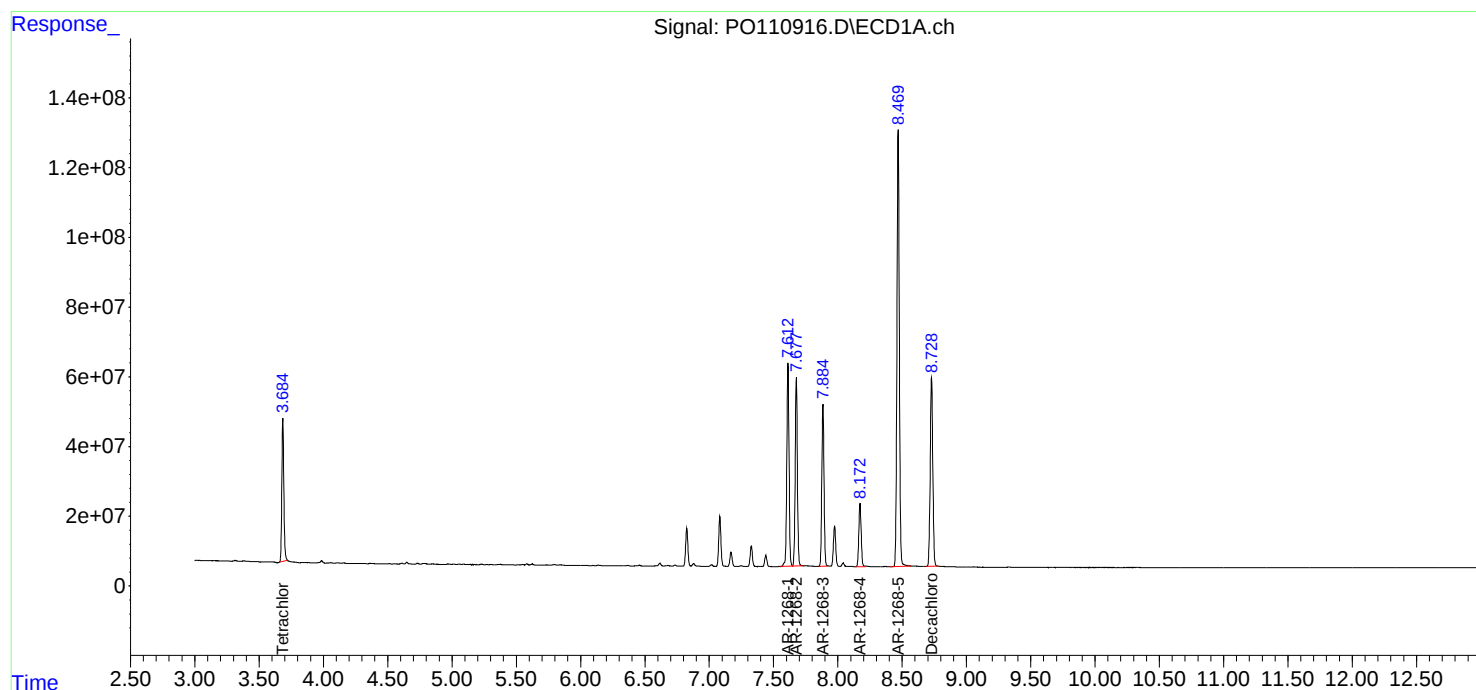
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

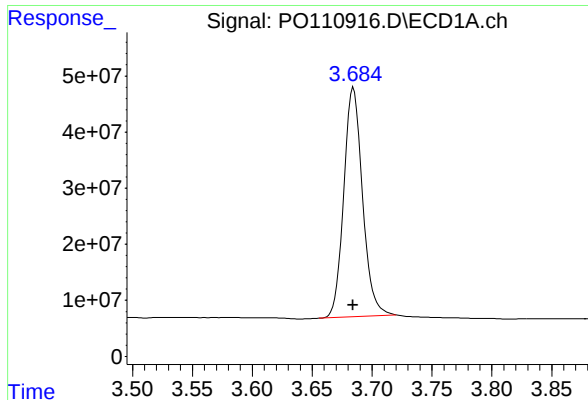
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:38
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:36:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:30:48 2025
Response via : 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

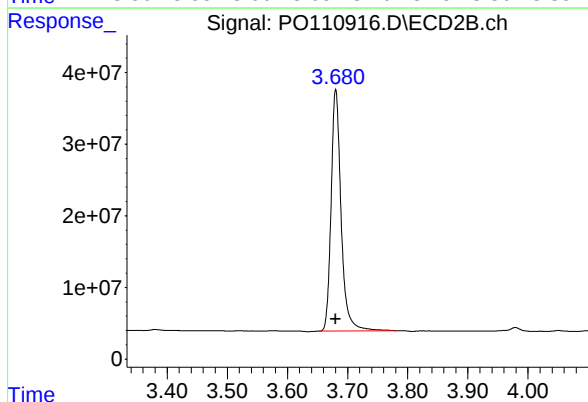




#1 Tetrachloro-m-xylene

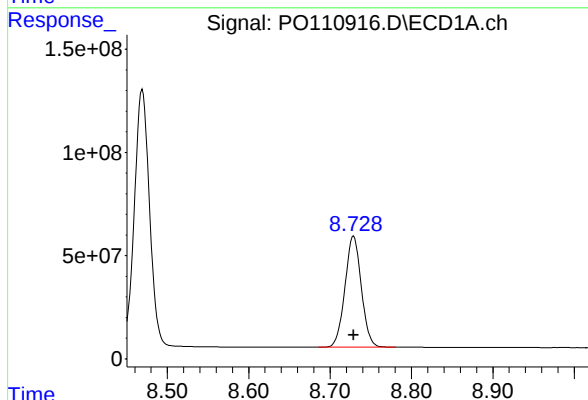
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 446095822
Conc: 75.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



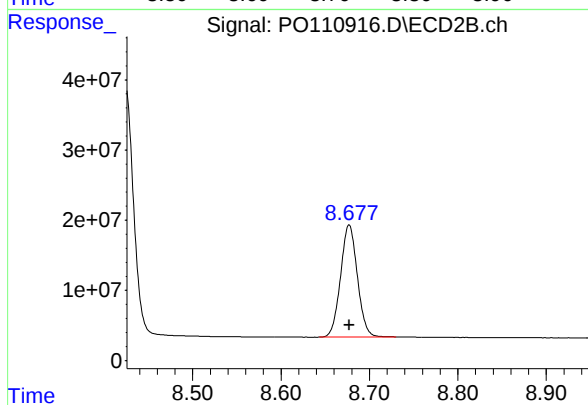
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 390059280
Conc: 75.66 ng/ml



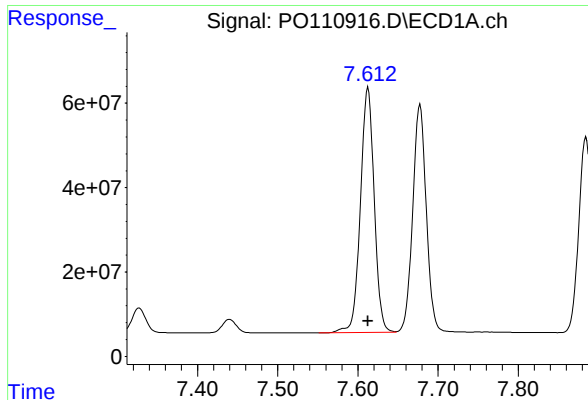
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 750024887
Conc: 75.11 ng/ml



#2 Decachlorobiphenyl

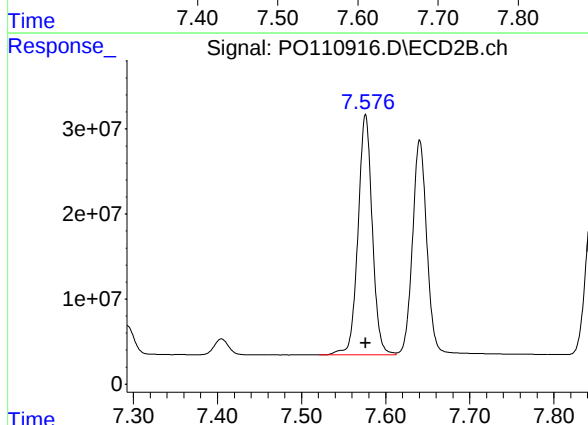
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 210924153
Conc: 74.41 ng/ml



#41 AR-1268-1

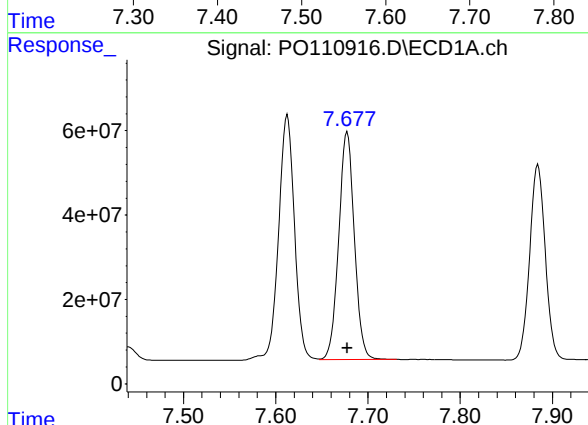
R.T.: 7.613 min
Delta R.T.: 0.000 min
Response: 694621892
Conc: 753.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



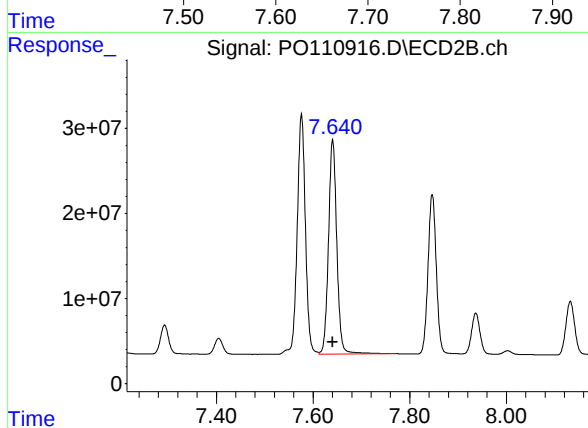
#41 AR-1268-1

R.T.: 7.576 min
Delta R.T.: 0.000 min
Response: 332611537
Conc: 748.22 ng/ml



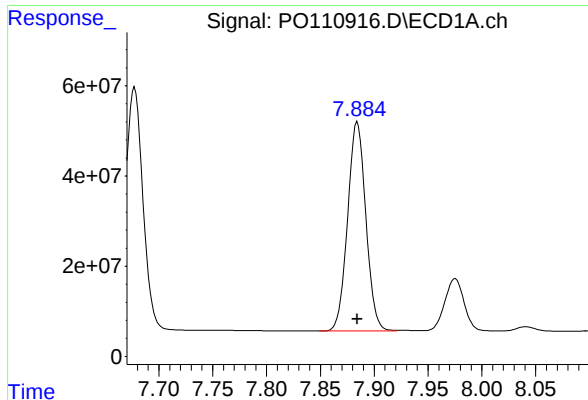
#42 AR-1268-2

R.T.: 7.677 min
Delta R.T.: 0.000 min
Response: 633999381
Conc: 754.21 ng/ml



#42 AR-1268-2

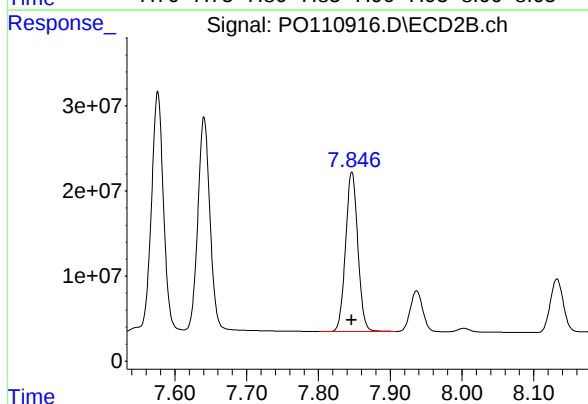
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 301852085
Conc: 747.40 ng/ml



#43 AR-1268-3

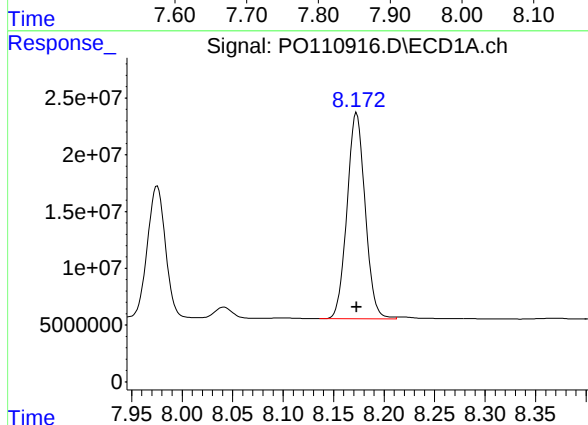
R.T.: 7.884 min
Delta R.T.: 0.000 min
Response: 545262541
Conc: 753.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



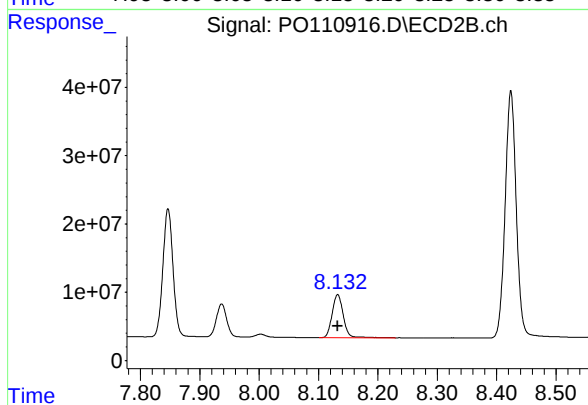
#43 AR-1268-3

R.T.: 7.847 min
Delta R.T.: 0.000 min
Response: 222625192
Conc: 747.17 ng/ml



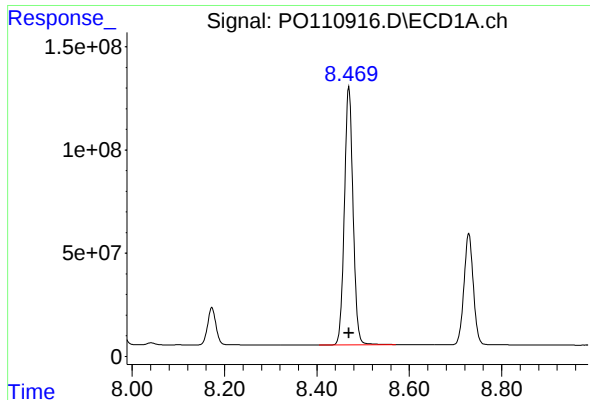
#44 AR-1268-4

R.T.: 8.173 min
Delta R.T.: 0.000 min
Response: 226033673
Conc: 751.47 ng/ml



#44 AR-1268-4

R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 82273644
Conc: 752.53 ng/ml



#45 AR-1268-5

R.T.: 8.469 min

Delta R.T.: 0.000 min

Response: 1623906693

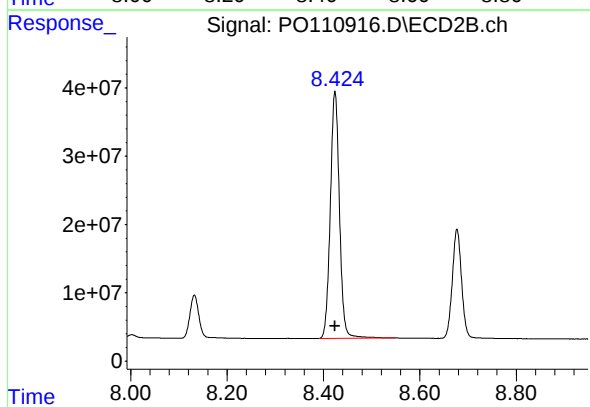
Conc: 753.03 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1268ICC750



#45 AR-1268-5

R.T.: 8.424 min

Delta R.T.: 0.000 min

Response: 474334329

Conc: 744.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 17:55
 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: May 02 18:31:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 18:30:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	300.3E6	260.9E6	50.000	50.000
2) SA Decachlor...	8.726	8.677	514.3E6	148.4E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.610	7.576	470.9E6	229.4E6	500.000	500.000
42) L9 AR-1268-2	7.675	7.640	429.7E6	207.9E6	500.000	500.000
43) L9 AR-1268-3	7.882	7.846	371.6E6	154.1E6	500.000	500.000
44) L9 AR-1268-4	8.171	8.132	155.4E6	56648660	500.000	500.000
45) L9 AR-1268-5	8.467	8.424	1096.4E6	328.3E6	500.000	500.000

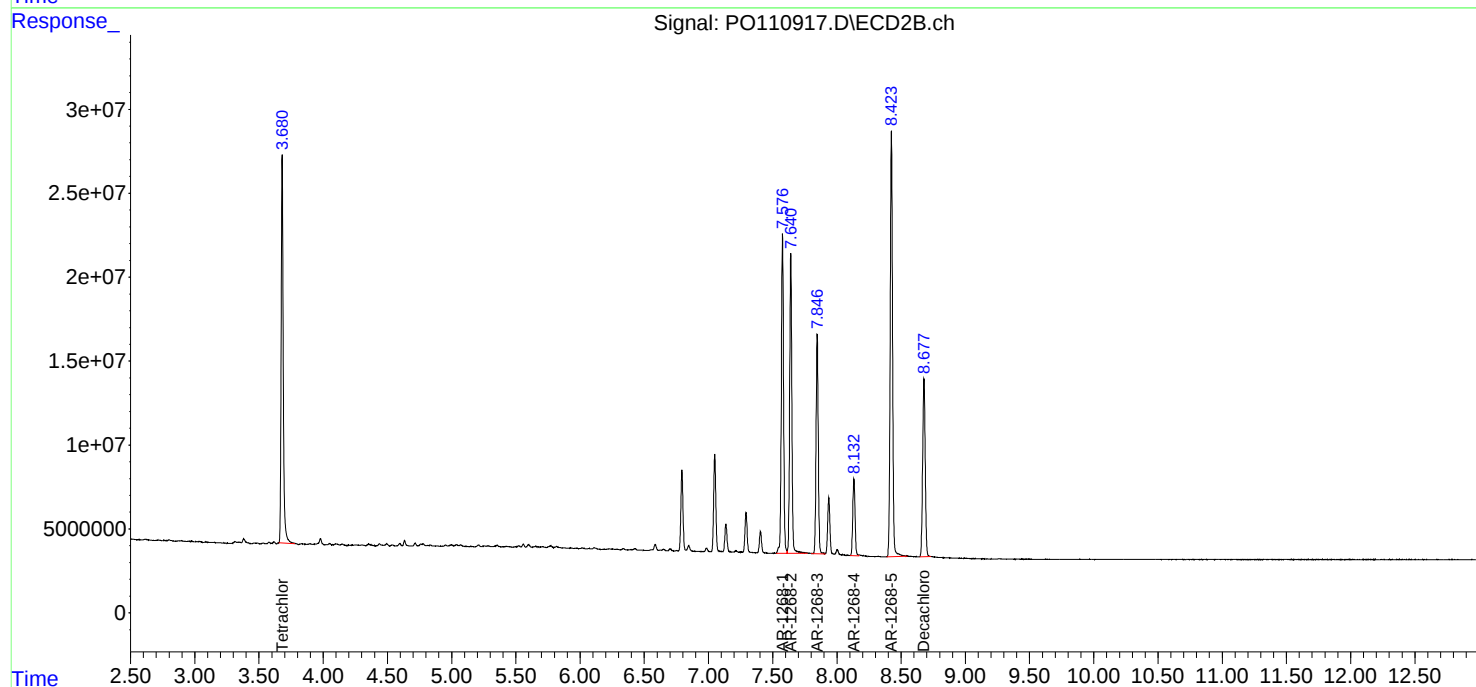
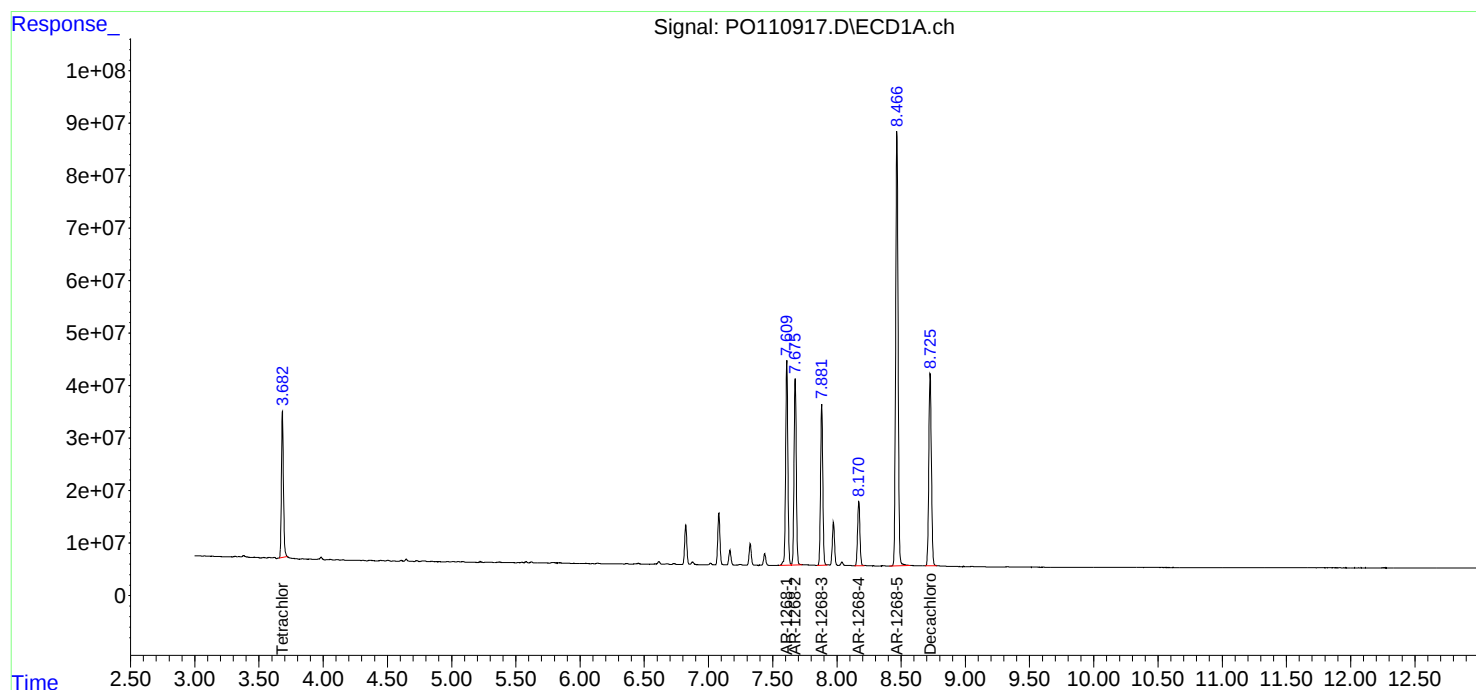
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

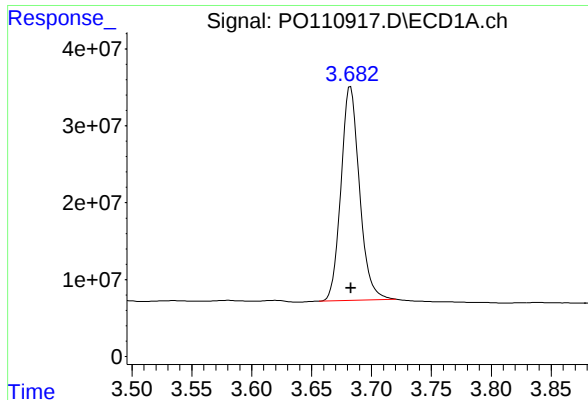
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:55
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:31:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:30:48 2025
Response via : 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

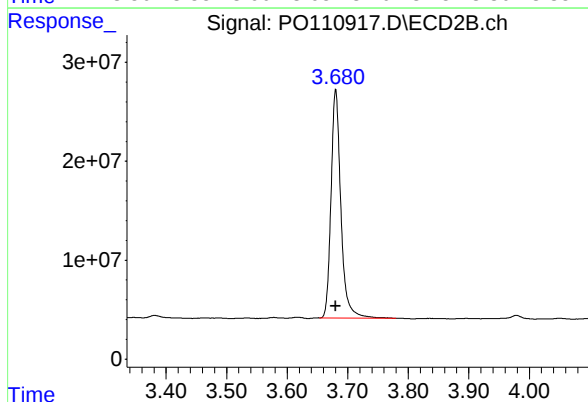




#1 Tetrachloro-m-xylene

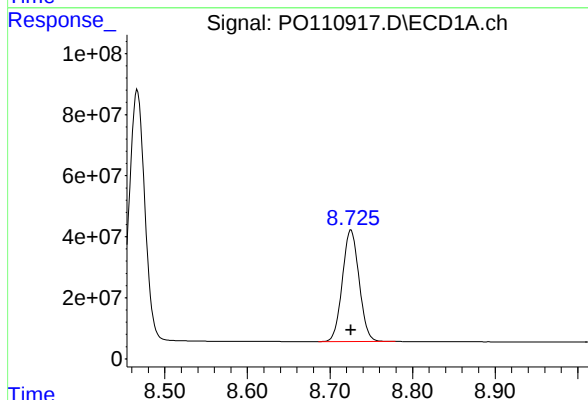
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 300348337
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



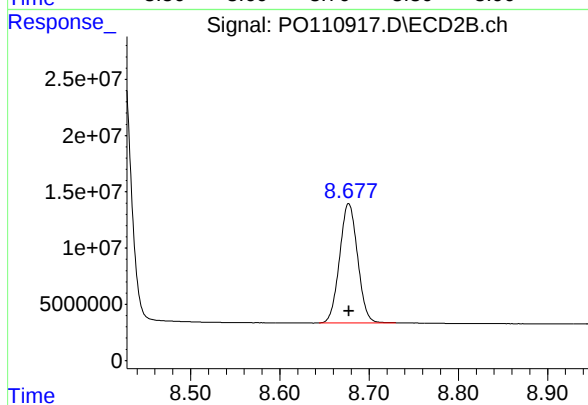
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 260876364
Conc: 50.00 ng/ml



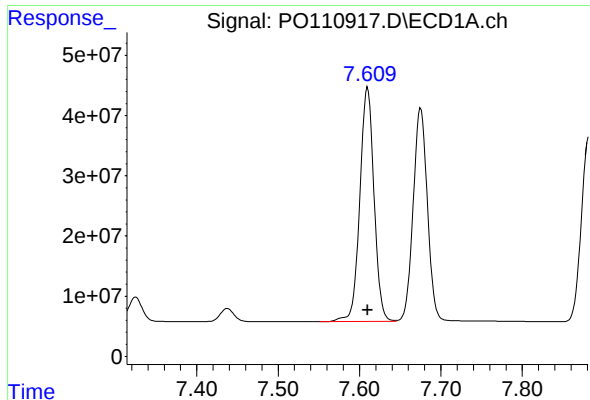
#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.000 min
Response: 514334988
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

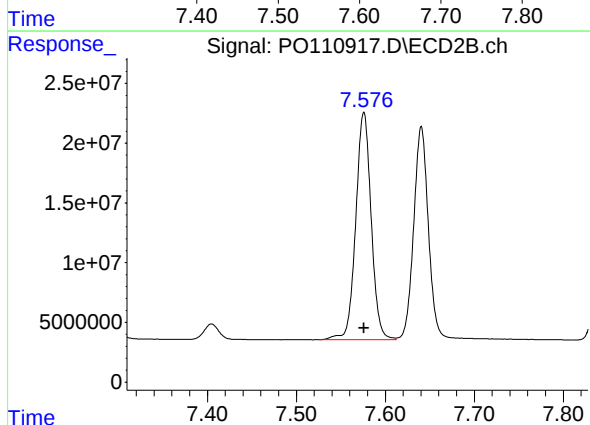
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 148386974
Conc: 50.00 ng/ml



#41 AR-1268-1

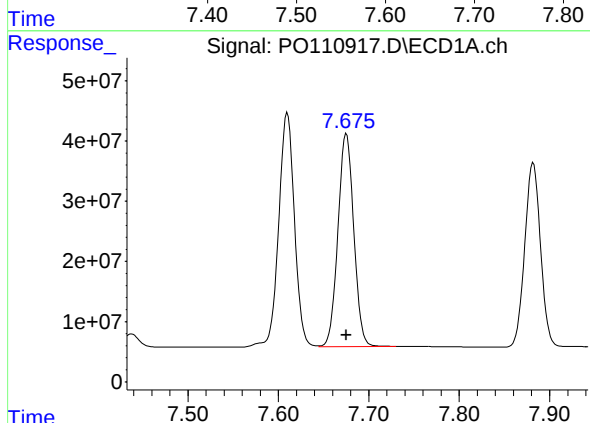
R.T.: 7.610 min
Delta R.T.: 0.000 min
Response: 470879391
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



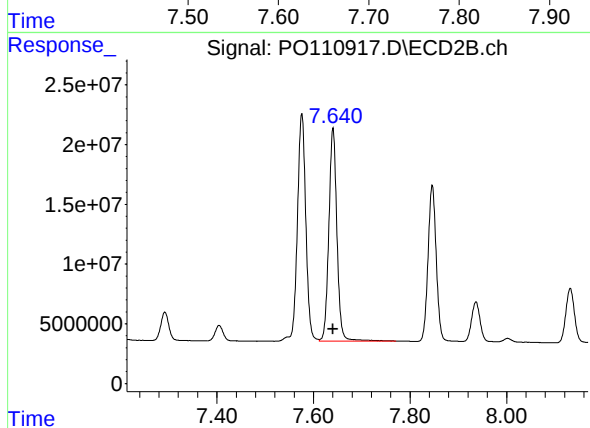
#41 AR-1268-1

R.T.: 7.576 min
Delta R.T.: 0.000 min
Response: 229400023
Conc: 500.00 ng/ml



#42 AR-1268-2

R.T.: 7.675 min
Delta R.T.: 0.000 min
Response: 429687469
Conc: 500.00 ng/ml



#42 AR-1268-2

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 207909609
Conc: 500.00 ng/ml

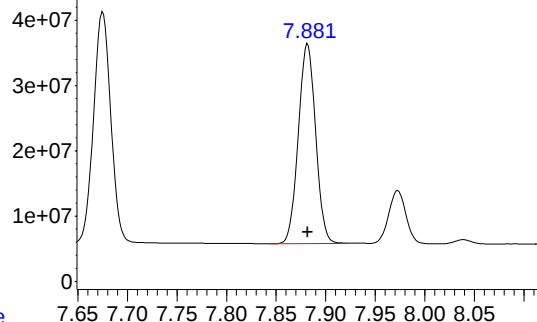
Response_

Signal: PO110917.D\ECD1A.ch

#43 AR-1268-3

R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 371586702
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



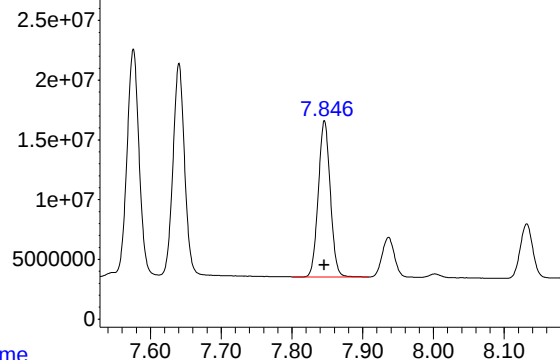
Time

Response_

Signal: PO110917.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 154071601
Conc: 500.00 ng/ml



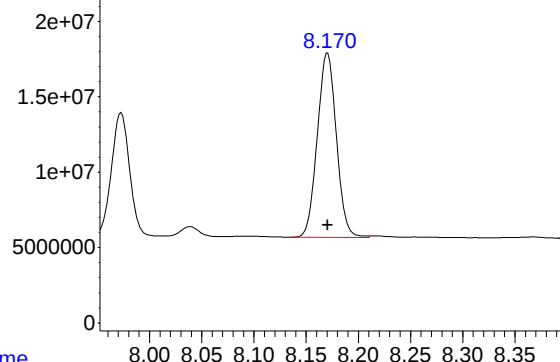
Time

Response_

Signal: PO110917.D\ECD1A.ch

#44 AR-1268-4

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 155352125
Conc: 500.00 ng/ml



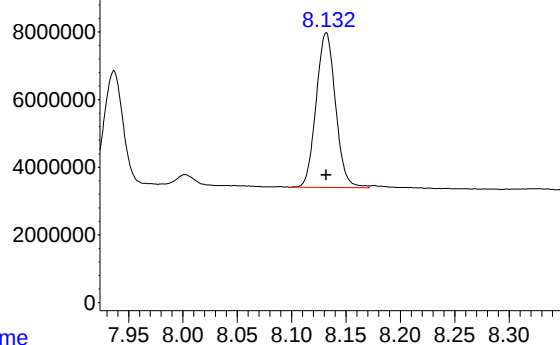
Time

Response_

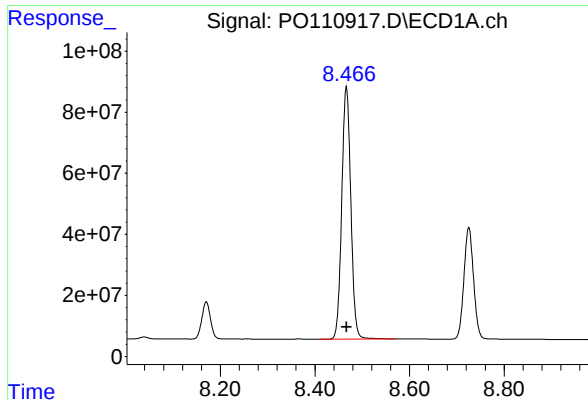
Signal: PO110917.D\ECD2B.ch

#44 AR-1268-4

R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 56648660
Conc: 500.00 ng/ml



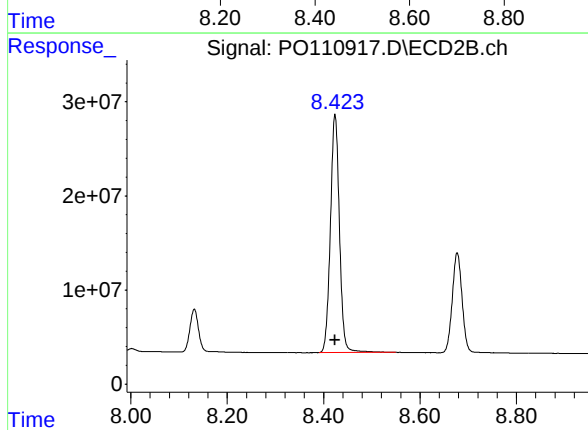
Time



#45 AR-1268-5

R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 1096444692
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.424 min
Delta R.T.: 0.000 min
Response: 328326532
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110918.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 18:12
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 18:39:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 18:30:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.681	146.4E6	124.5E6	24.876	24.357
2) SA Decachlor...	8.726	8.677	266.8E6	77807923	26.271	26.793
Target Compounds						
41) L9 AR-1268-1	7.610	7.575	240.5E6	118.8E6	258.185	262.672
42) L9 AR-1268-2	7.675	7.640	217.9E6	106.4E6	256.815	259.887
43) L9 AR-1268-3	7.882	7.846	194.3E6	79925352	263.643	263.437
44) L9 AR-1268-4	8.171	8.132	75328902	29234654	250.329	262.828
45) L9 AR-1268-5	8.467	8.423	548.0E6	168.8E6	253.068	261.119

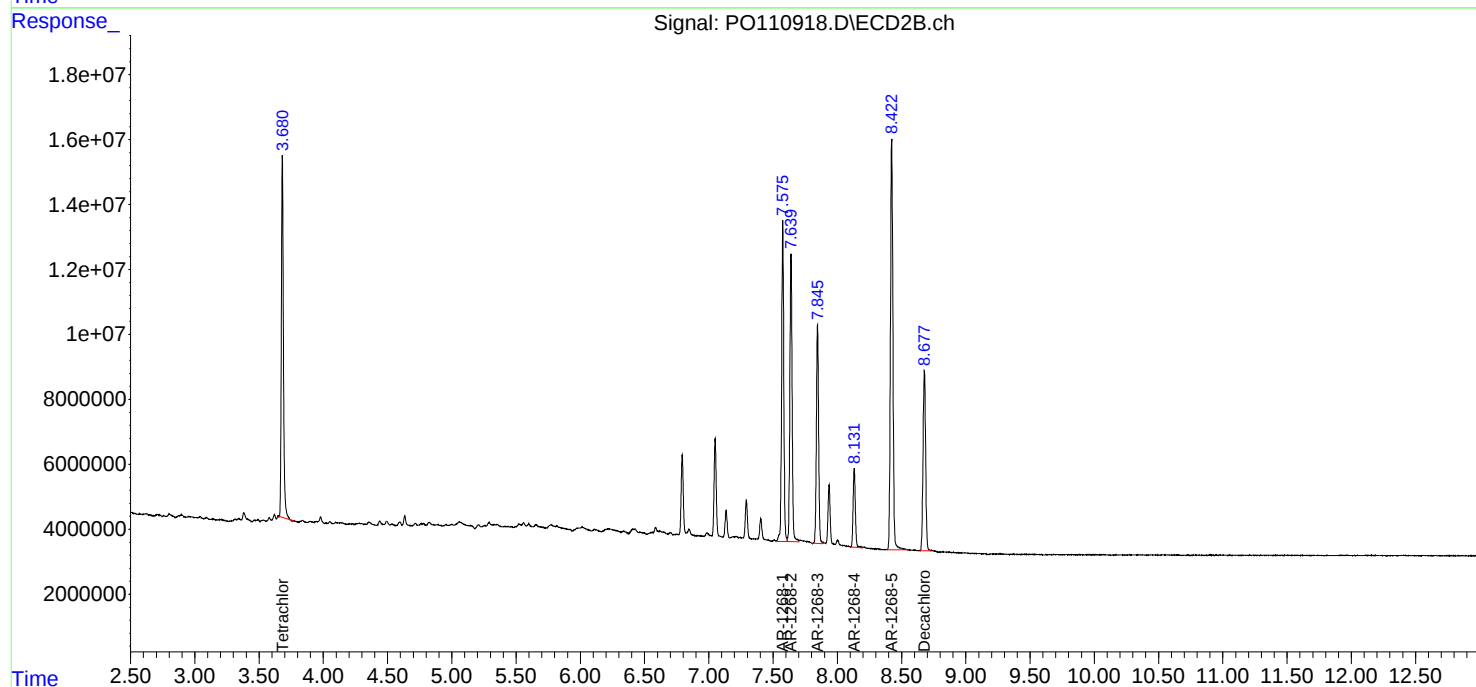
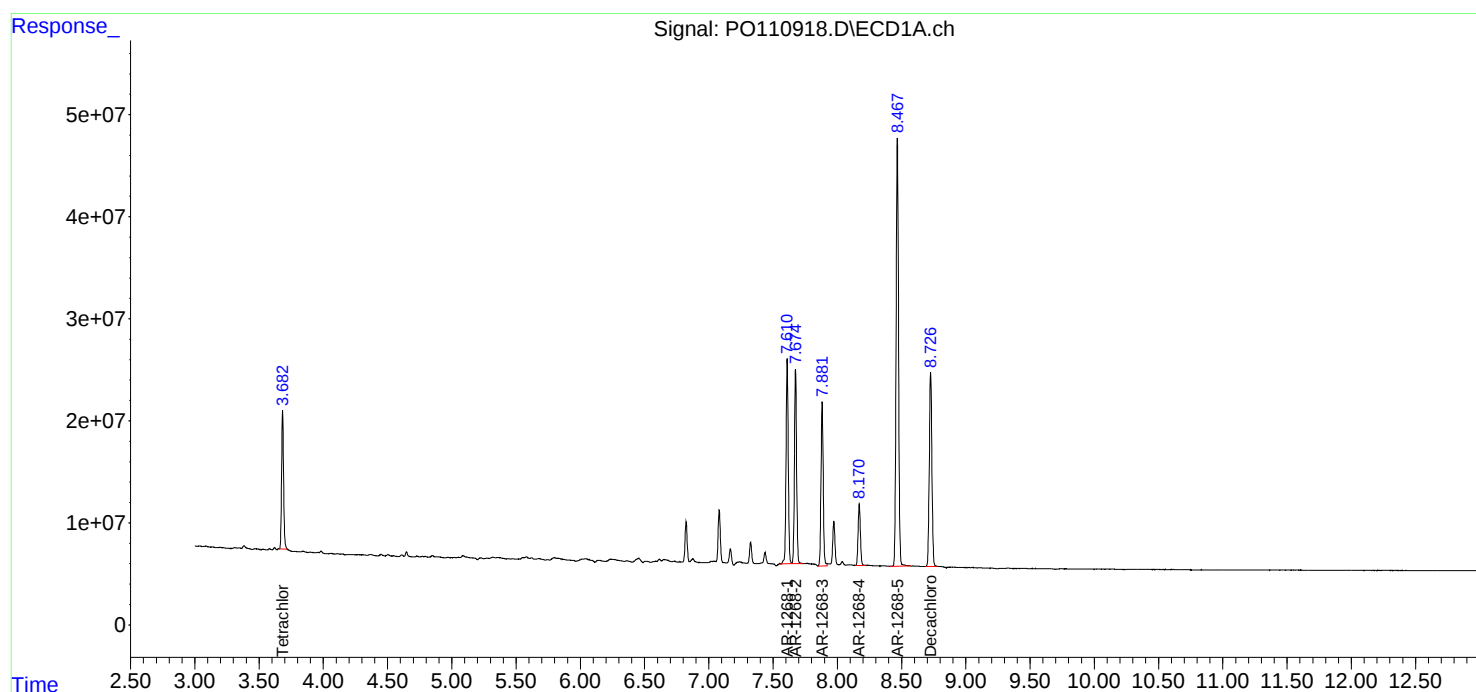
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

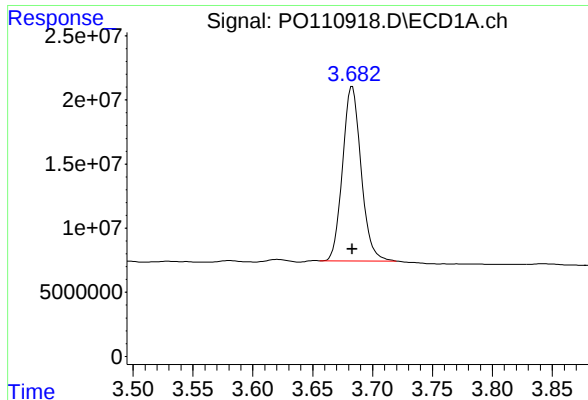
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 18:12
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:30:48 2025
Response via : 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

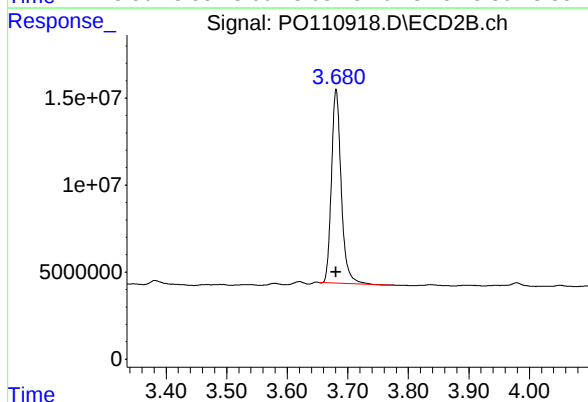




#1 Tetrachloro-m-xylene

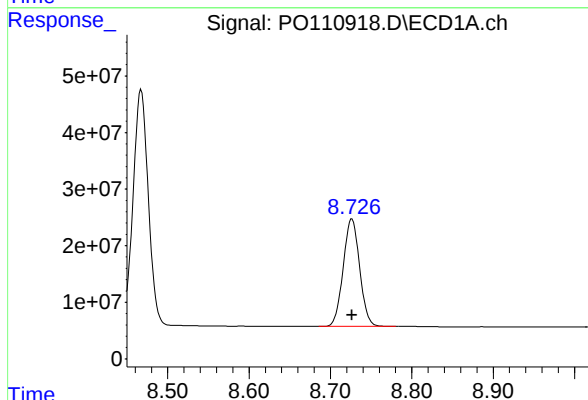
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 146427886
Conc: 24.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



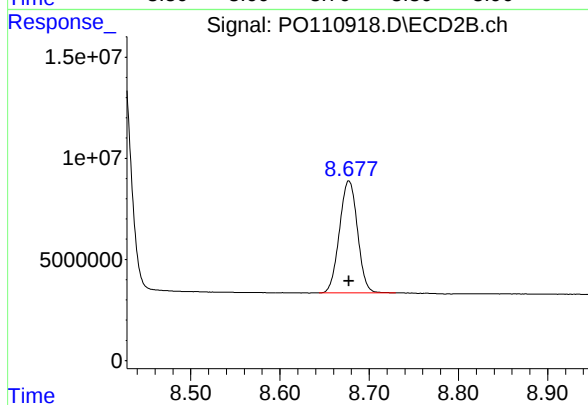
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 124497458
Conc: 24.36 ng/ml



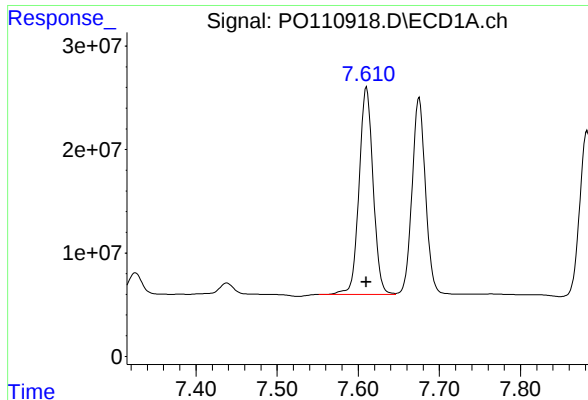
#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.000 min
Response: 266844156
Conc: 26.27 ng/ml



#2 Decachlorobiphenyl

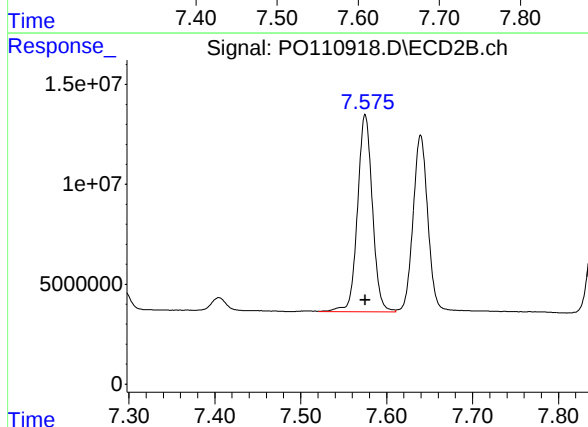
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 77807923
Conc: 26.79 ng/ml



#41 AR-1268-1

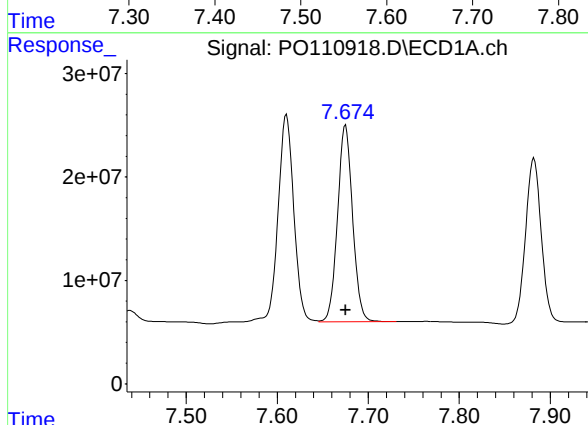
R.T.: 7.610 min
Delta R.T.: 0.000 min
Response: 240505166
Conc: 258.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



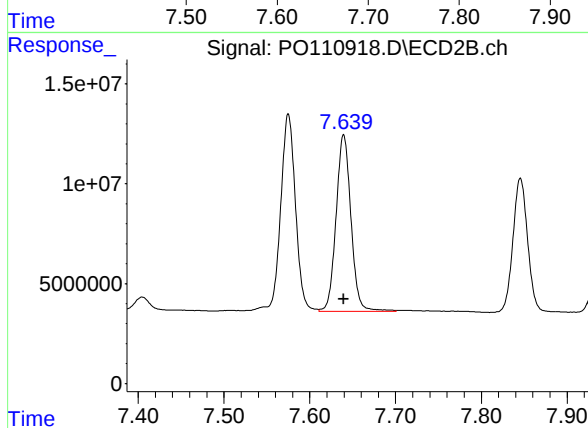
#41 AR-1268-1

R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 118773985
Conc: 262.67 ng/ml



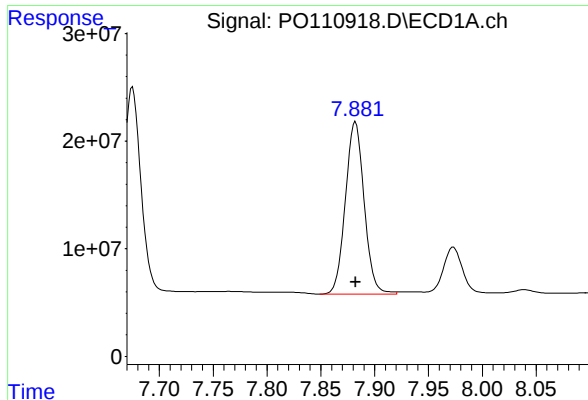
#42 AR-1268-2

R.T.: 7.675 min
Delta R.T.: 0.000 min
Response: 217862209
Conc: 256.81 ng/ml



#42 AR-1268-2

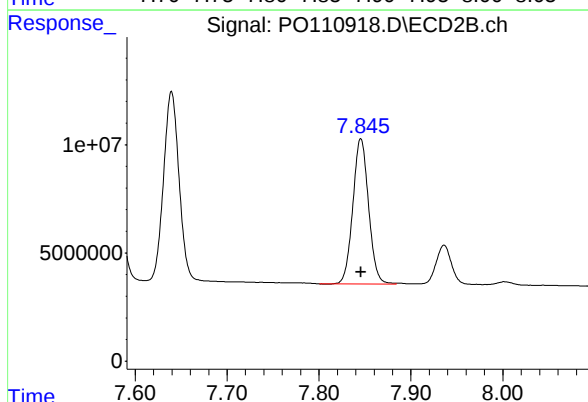
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 106362195
Conc: 259.89 ng/ml



#43 AR-1268-3

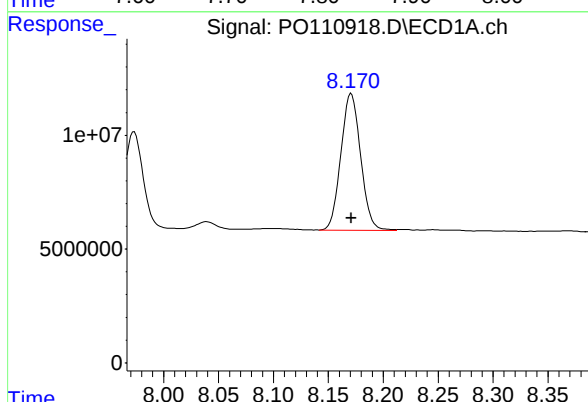
R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 194257301
Conc: 263.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



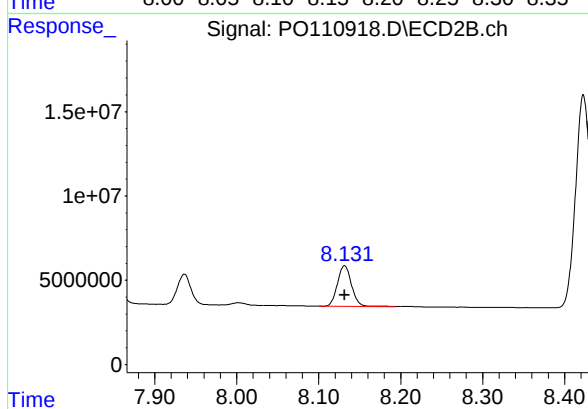
#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 79925352
Conc: 263.44 ng/ml



#44 AR-1268-4

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 75328902
Conc: 250.33 ng/ml



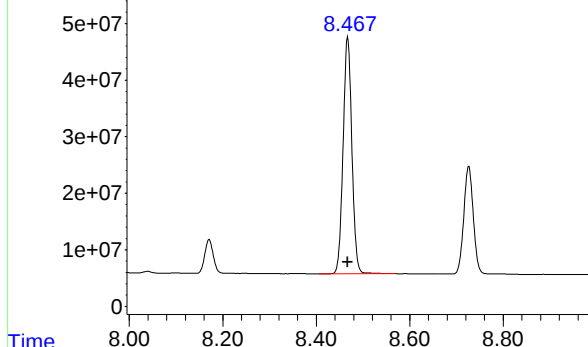
#44 AR-1268-4

R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 29234654
Conc: 262.83 ng/ml

Response_

Signal: PO110918.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.467 min

Delta R.T.: 0.000 min

Response: 547981319

Conc: 253.07 ng/ml

Instrument :

ECD_O

ClientSampleId :

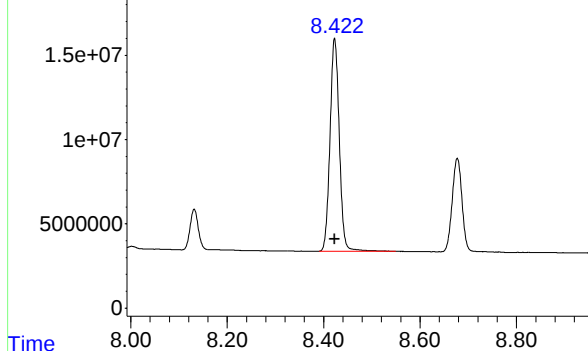
AR1268ICC250

Time

Response_

Signal: PO110918.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.423 min

Delta R.T.: 0.000 min

Response: 168768327

Conc: 261.12 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110919.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 18:29
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/05/2025
 Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 18:45:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 18:30:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.681	3.680	20254564	17222039	3.752m	3.681m
2) SA Decachlor...	8.727	8.677	36184498	10512817	3.780	3.832
Target Compounds						
41) L9 AR-1268-1	7.610	7.574	36155855	17303504	40.632	40.225m
42) L9 AR-1268-2	7.675	7.640	30949285	14116053	38.568	36.826m
43) L9 AR-1268-3	7.881	7.845	24258906	10328050	35.537m	36.291m
44) L9 AR-1268-4	8.171	8.132	9317233	3784314	34.606m	36.520m
45) L9 AR-1268-5	8.466	8.423	77847675	22470578	38.450	37.023

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 18:29
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

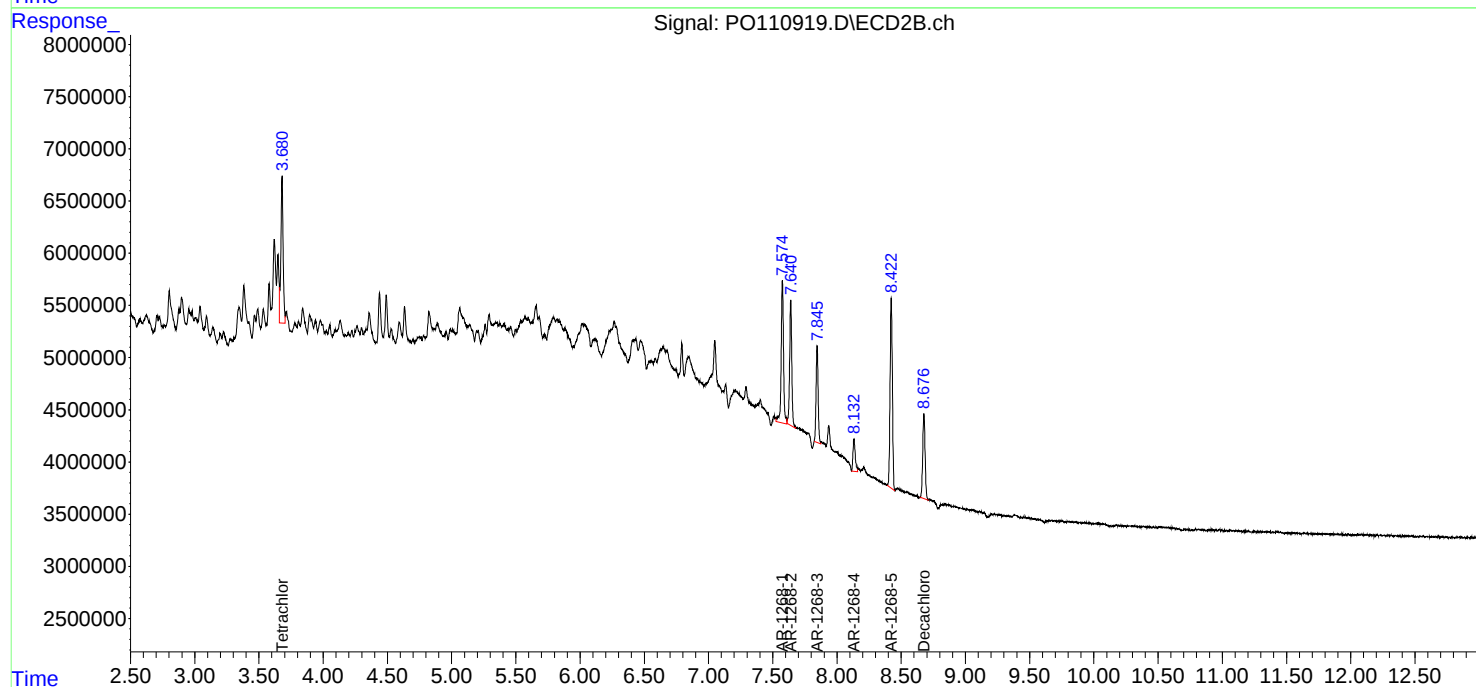
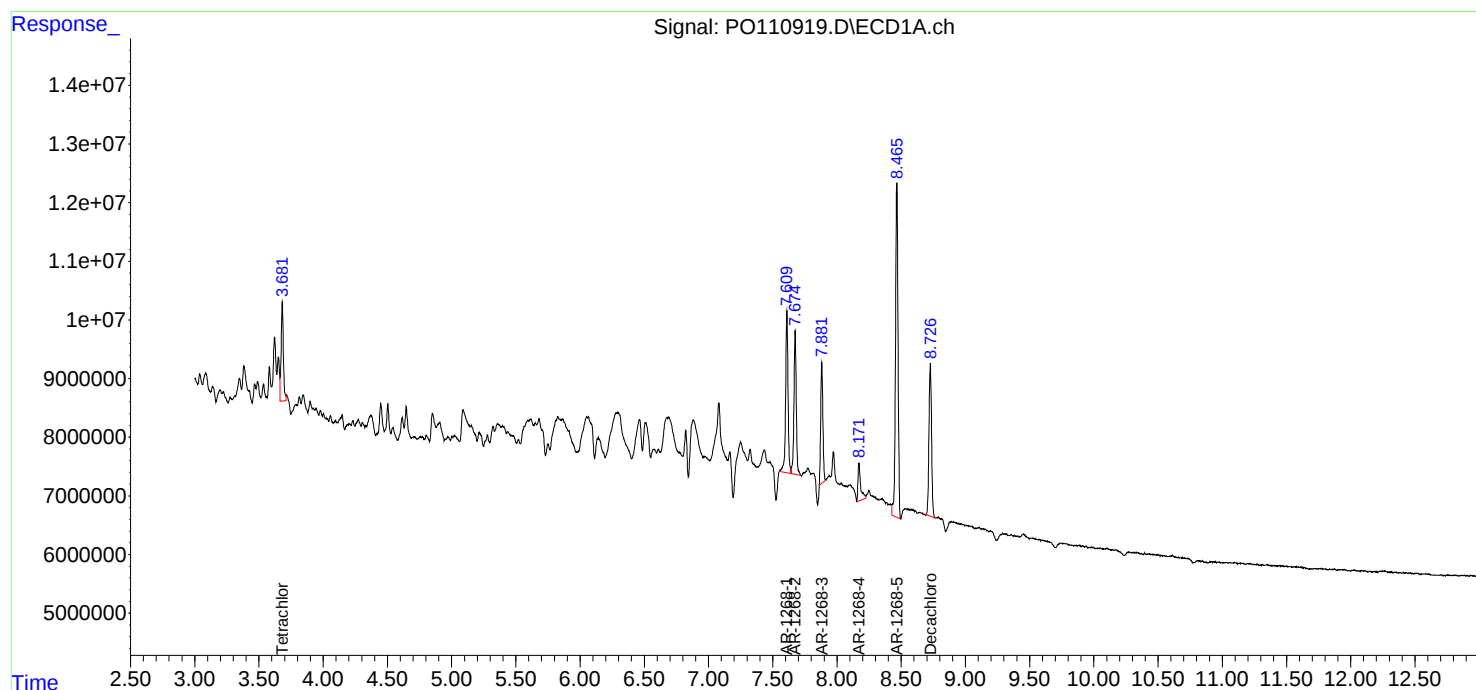
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

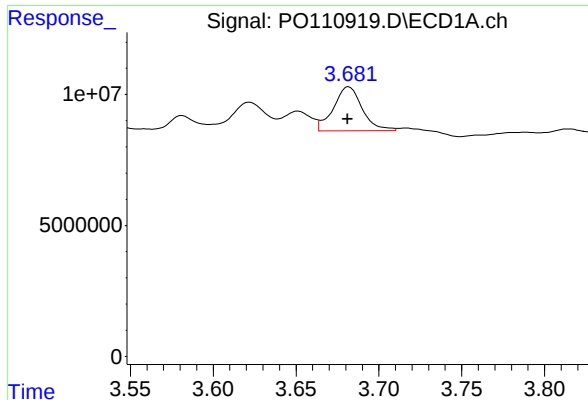
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:45:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:30:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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





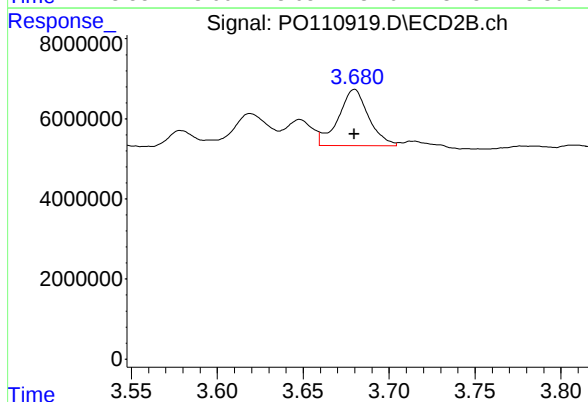
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 20254564
Conc: 3.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

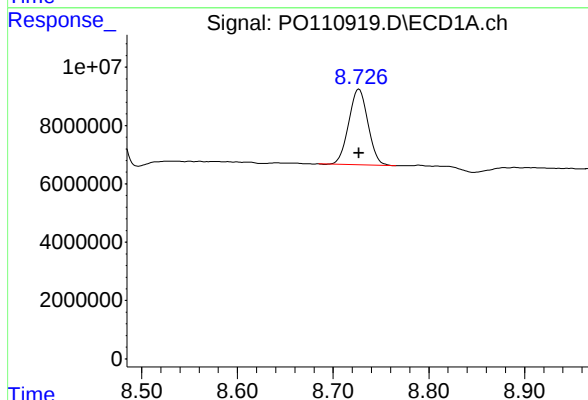
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



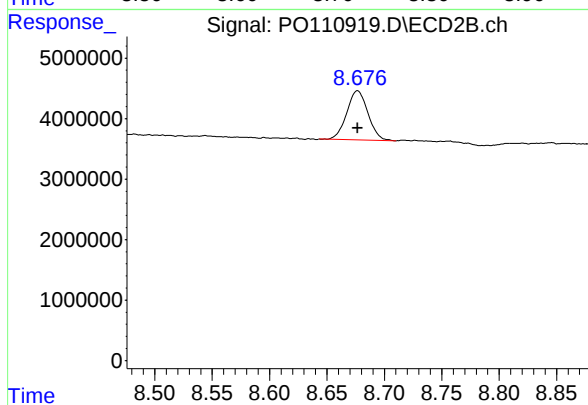
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 17222039
Conc: 3.68 ng/ml



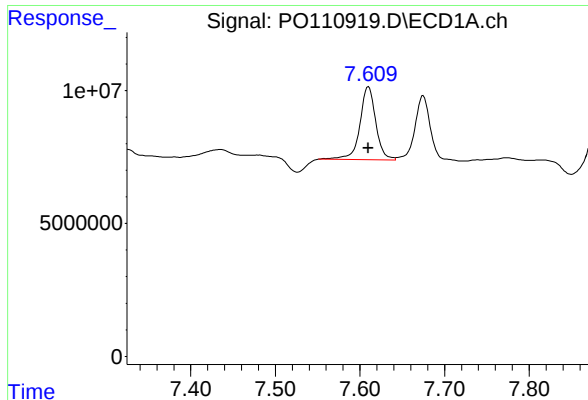
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 36184498
Conc: 3.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 10512817
Conc: 3.83 ng/ml



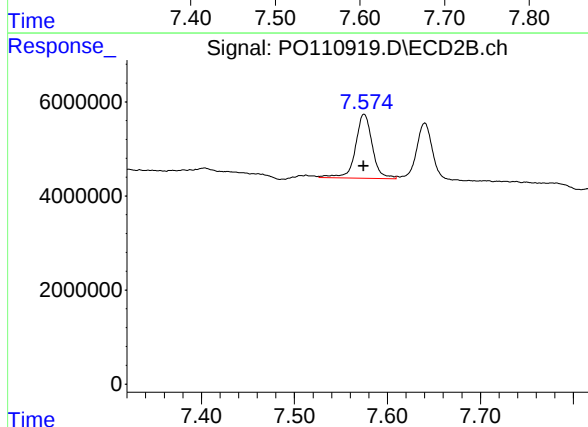
#41 AR-1268-1

R.T.: 7.610 min
Delta R.T.: 0.000 min
Response: 36155855
Conc: 40.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

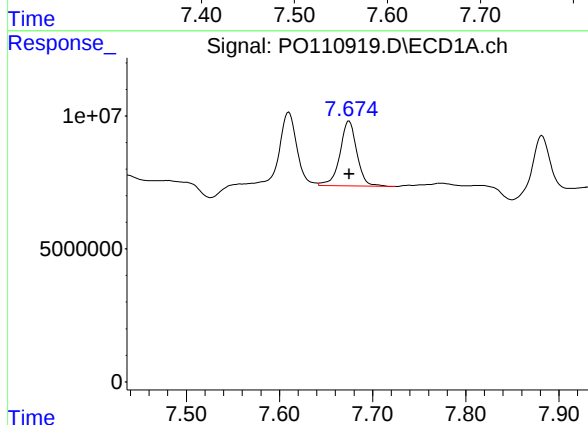
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



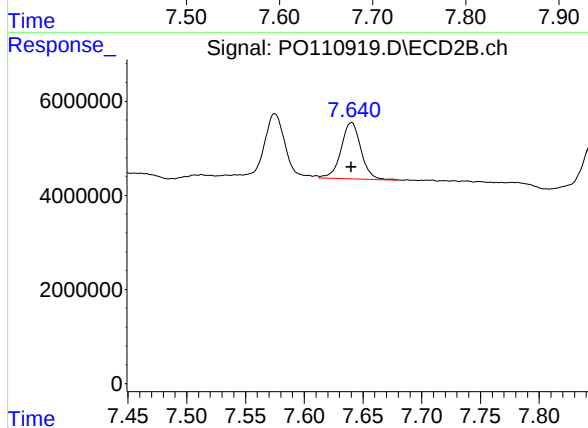
#41 AR-1268-1

R.T.: 7.574 min
Delta R.T.: 0.000 min
Response: 17303504
Conc: 40.22 ng/ml m



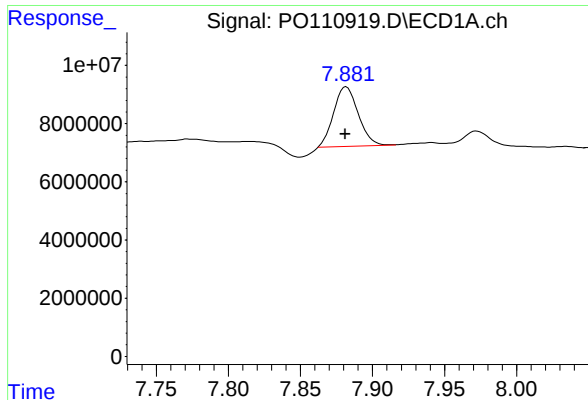
#42 AR-1268-2

R.T.: 7.675 min
Delta R.T.: 0.000 min
Response: 30949285
Conc: 38.57 ng/ml



#42 AR-1268-2

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 14116053
Conc: 36.83 ng/ml m



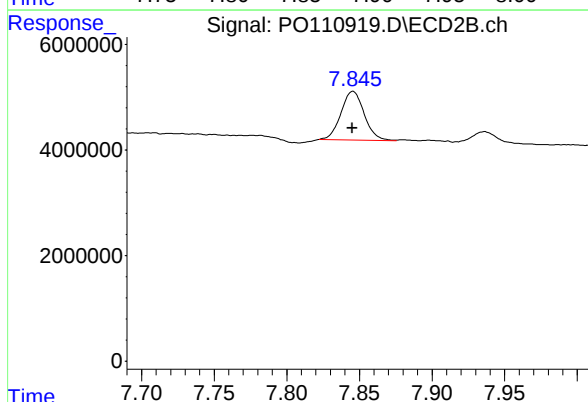
#43 AR-1268-3

R.T.: 7.881 min
Delta R.T.: 0.000 min
Response: 24258906
Conc: 35.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

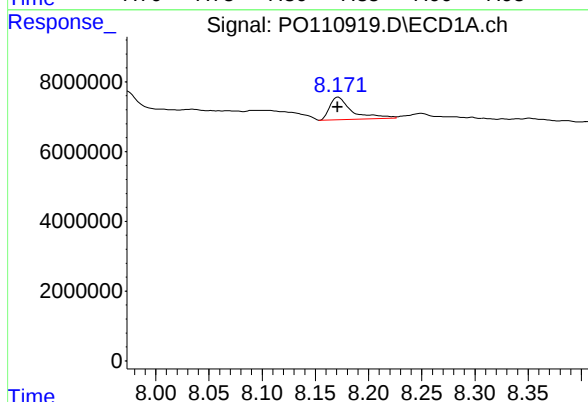
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



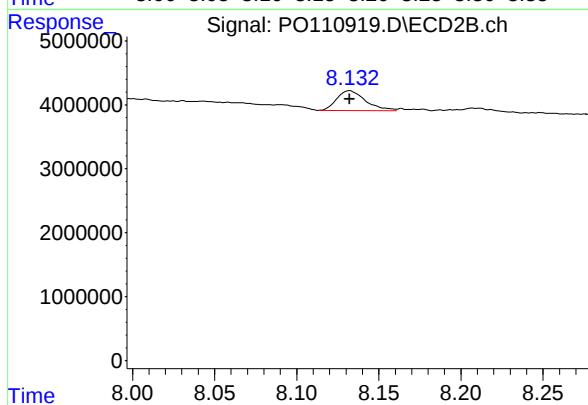
#43 AR-1268-3

R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 10328050
Conc: 36.29 ng/ml



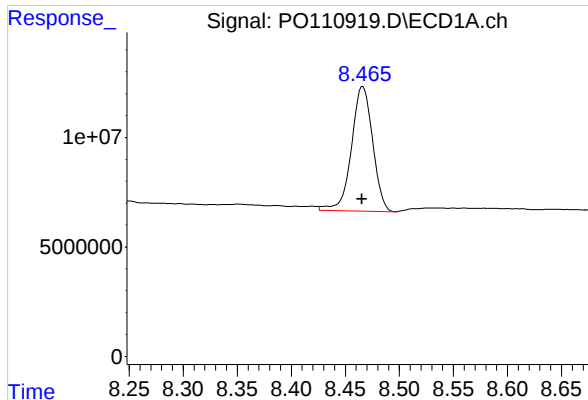
#44 AR-1268-4

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 9317233
Conc: 34.61 ng/ml



#44 AR-1268-4

R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 3784314
Conc: 36.52 ng/ml



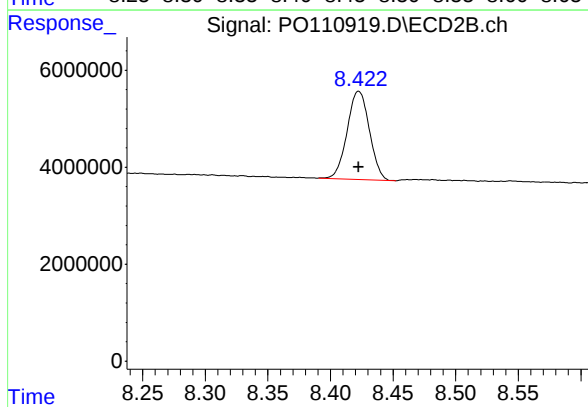
#45 AR-1268-5

R.T.: 8.466 min
Delta R.T.: 0.000 min
Response: 77847675
Conc: 38.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



#45 AR-1268-5

R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 22470578
Conc: 37.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110920.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 19:41
 Operator : YP/AJ
 Sample : P0050225ICV500
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO050225

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 23:50:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:46:26 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...	3.684	3.681	281.4E6	255.7E6	49.188	52.794
2) SA Decachlor...	8.727	8.677	298.1E6	90047991	48.857	53.370
Target Compounds						
3) L1 AR-1016-1	4.775	4.760	101.1E6	78573769	457.621	494.556
4) L1 AR-1016-2	4.794	4.779	144.3E6	115.3E6	465.207	504.591
5) L1 AR-1016-3	4.850	4.954	99363212	61135690	434.466	501.375
6) L1 AR-1016-4	4.971	4.996	77211458	50429013	461.811	500.481
7) L1 AR-1016-5	5.228	5.209	81367871	64778155	456.895	492.974
31) L7 AR-1260-1	6.268	6.241	146.2E6	107.2E6	439.521	485.529
32) L7 AR-1260-2	6.457	6.428	182.8E6	125.5E6	440.653	488.021
33) L7 AR-1260-3	6.825	6.581	166.1E6	115.9E6	471.443	497.089
34) L7 AR-1260-4	7.085	7.051	140.2E6	90613038	460.727	497.612
35) L7 AR-1260-5	7.327	7.293	343.3E6	198.4E6	467.465	504.598

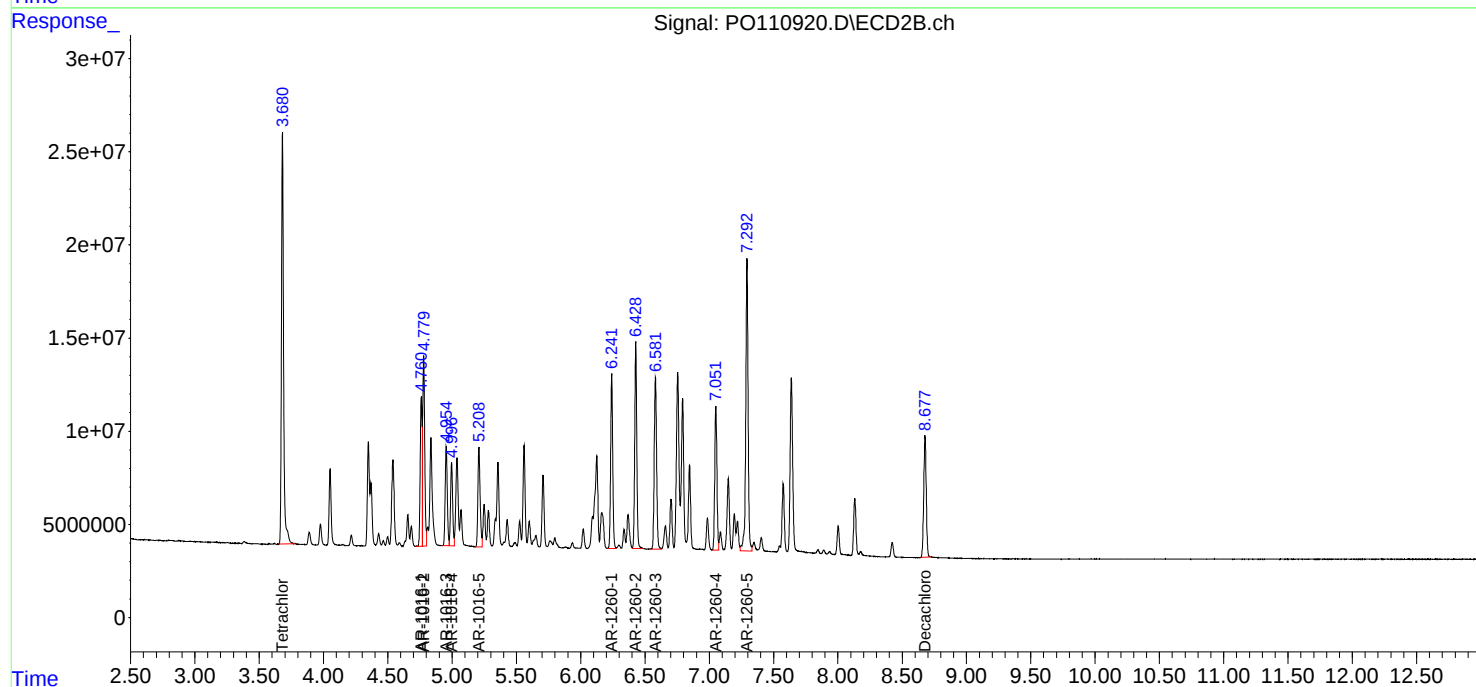
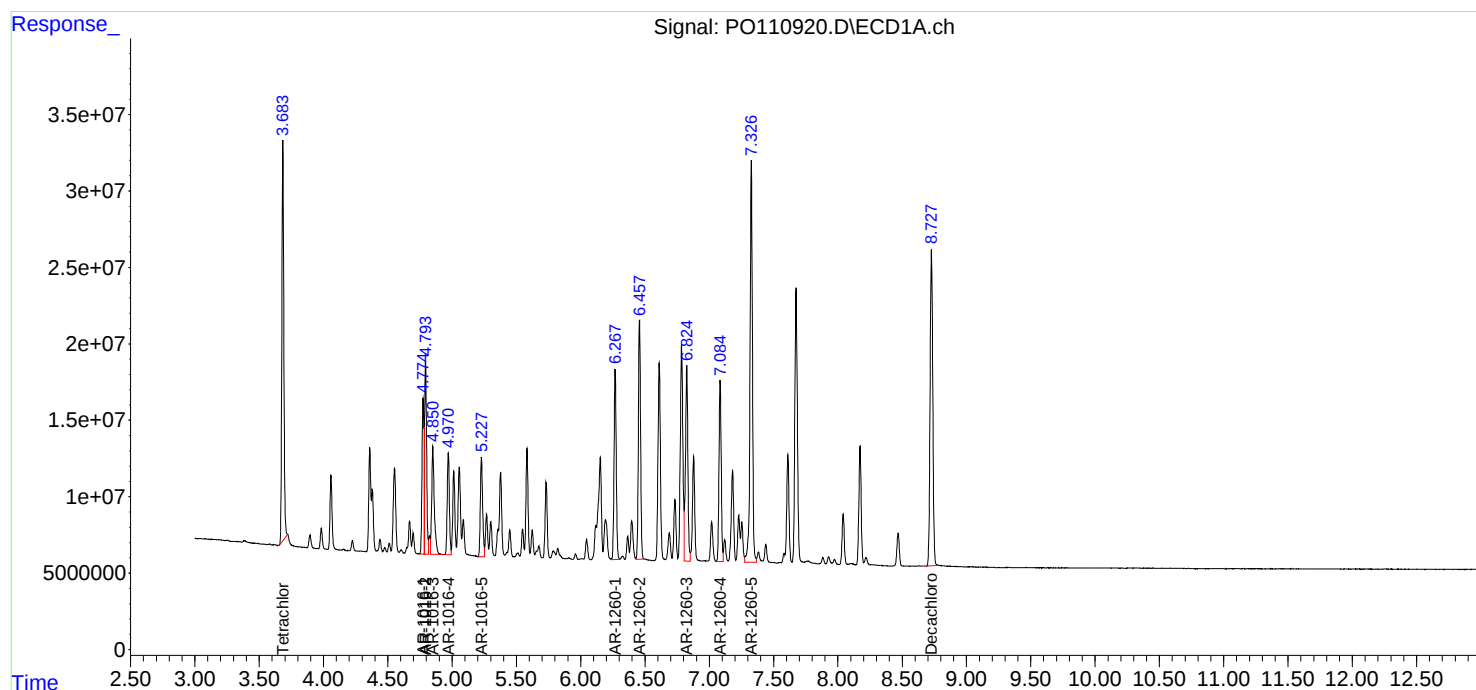
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

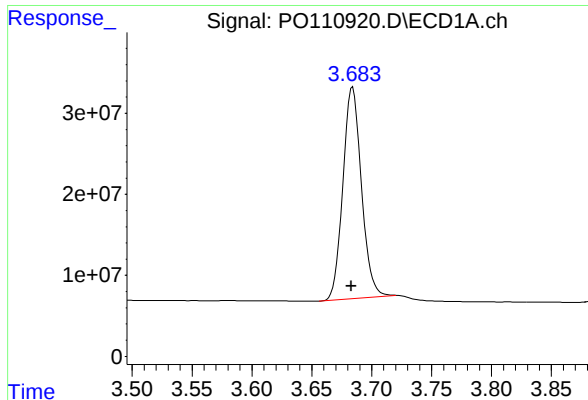
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 19:41
Operator : YP/AJ
Sample : PO050225ICV500
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO050225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:46:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

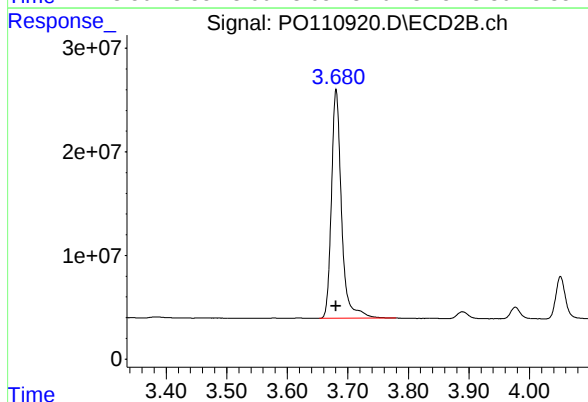




#1 Tetrachloro-m-xylene

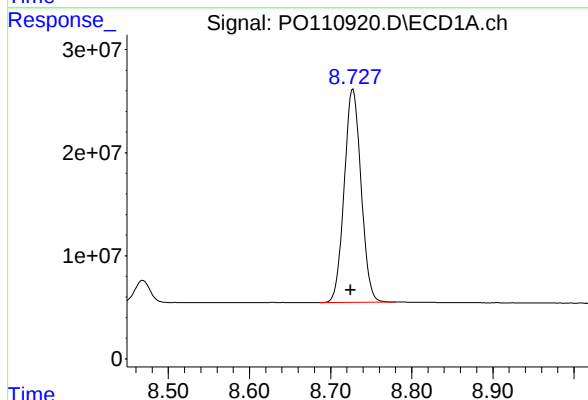
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 281393222
Conc: 49.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



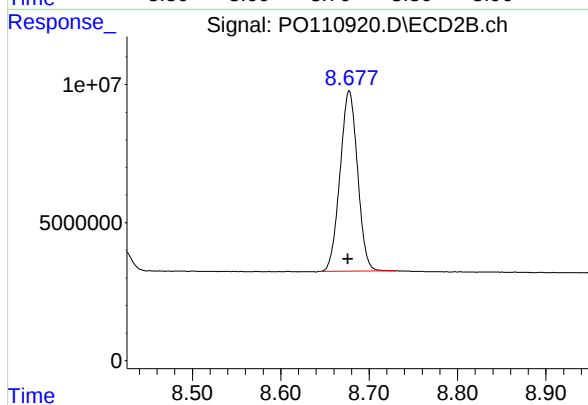
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 255688745
Conc: 52.79 ng/ml



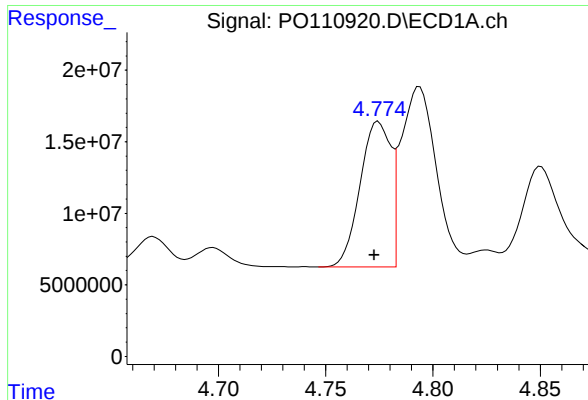
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.003 min
Response: 298148238
Conc: 48.86 ng/ml



#2 Decachlorobiphenyl

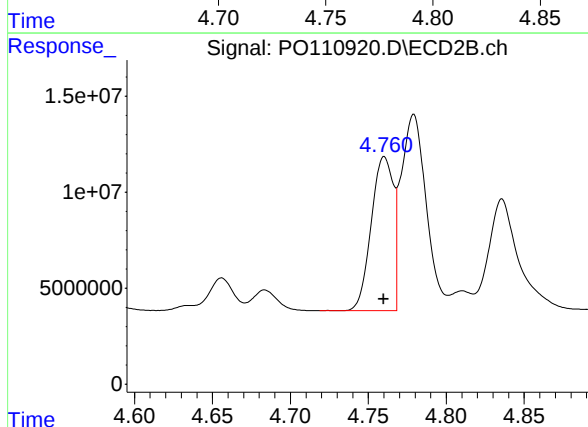
R.T.: 8.677 min
Delta R.T.: 0.002 min
Response: 90047991
Conc: 53.37 ng/ml



#3 AR-1016-1

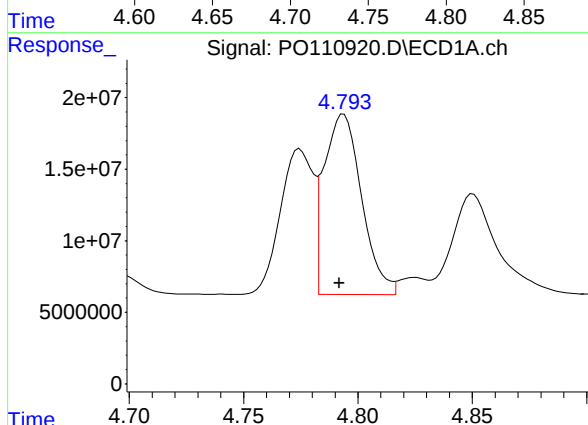
R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 101140755
Conc: 457.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



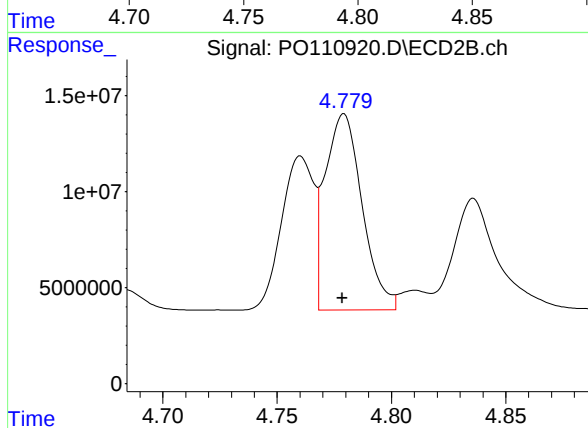
#3 AR-1016-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 78573769
Conc: 494.56 ng/ml



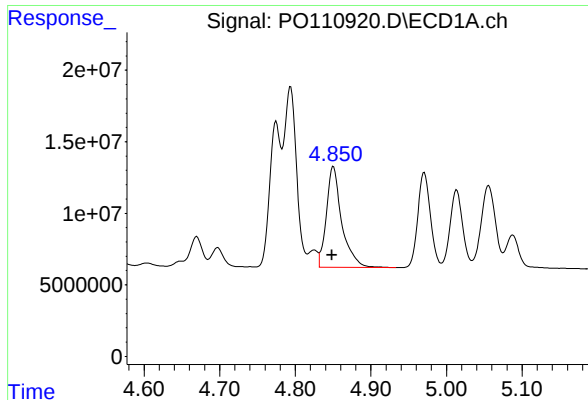
#4 AR-1016-2

R.T.: 4.794 min
Delta R.T.: 0.002 min
Response: 144294236
Conc: 465.21 ng/ml



#4 AR-1016-2

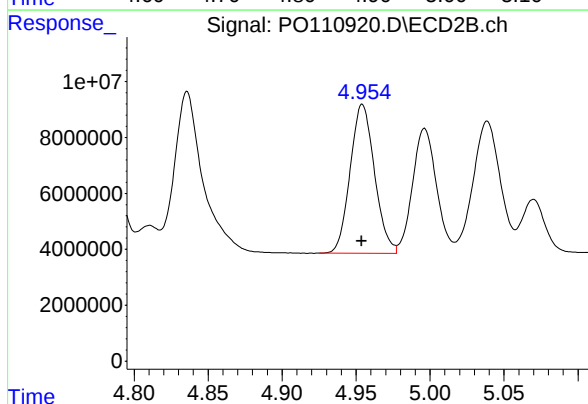
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 115333022
Conc: 504.59 ng/ml



#5 AR-1016-3

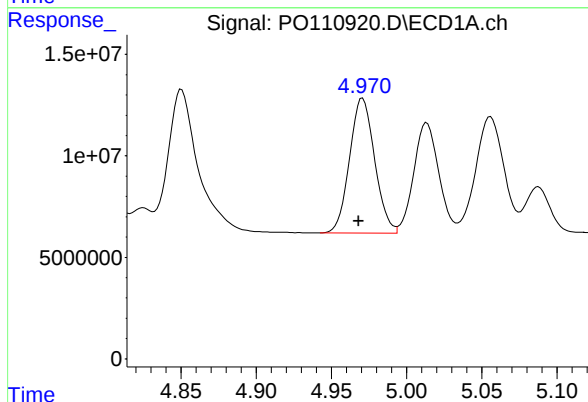
R.T.: 4.850 min
Delta R.T.: 0.002 min
Response: 99363212
Conc: 434.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



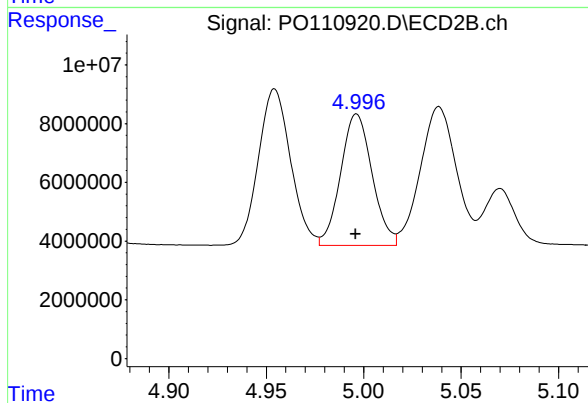
#5 AR-1016-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 61135690
Conc: 501.37 ng/ml



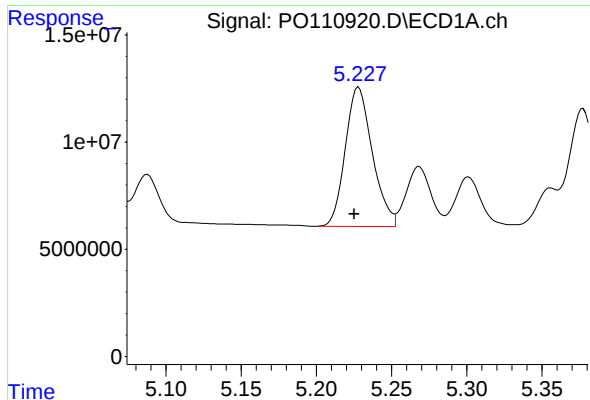
#6 AR-1016-4

R.T.: 4.971 min
Delta R.T.: 0.003 min
Response: 77211458
Conc: 461.81 ng/ml



#6 AR-1016-4

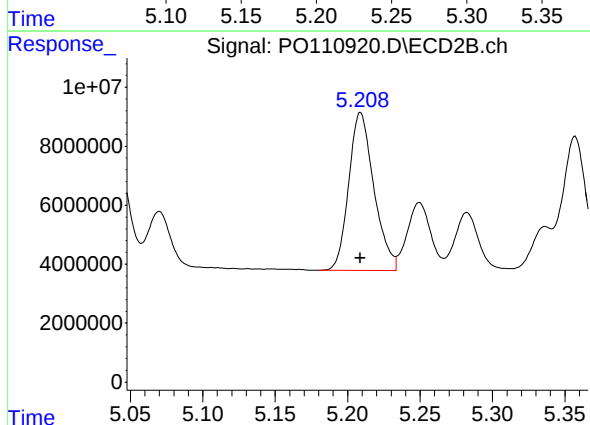
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 50429013
Conc: 500.48 ng/ml



#7 AR-1016-5

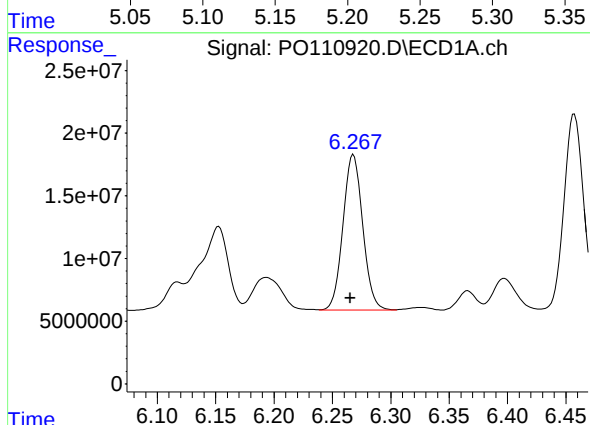
R.T.: 5.228 min
Delta R.T.: 0.003 min
Response: 81367871
Conc: 456.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



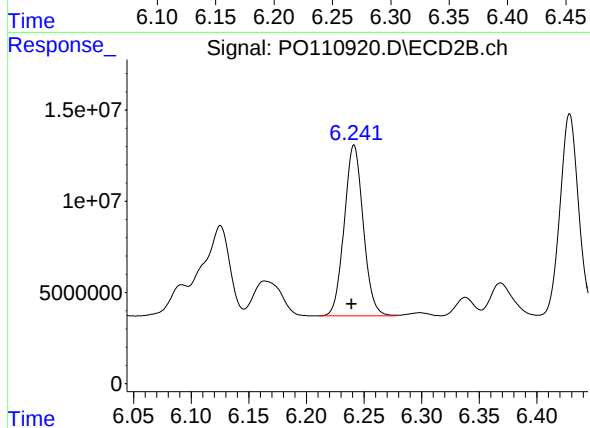
#7 AR-1016-5

R.T.: 5.209 min
Delta R.T.: 0.000 min
Response: 64778155
Conc: 492.97 ng/ml



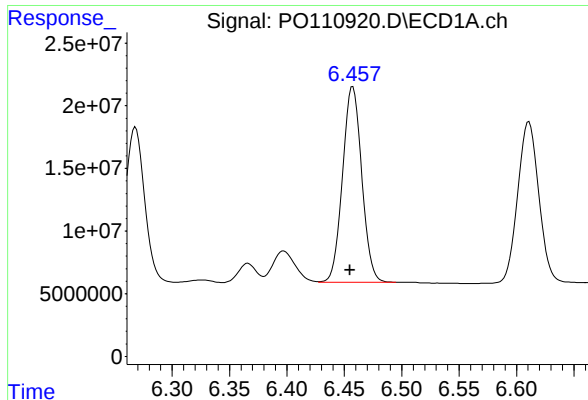
#31 AR-1260-1

R.T.: 6.268 min
Delta R.T.: 0.003 min
Response: 146194764
Conc: 439.52 ng/ml



#31 AR-1260-1

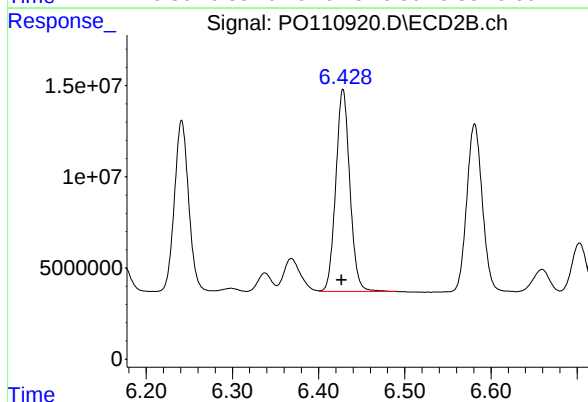
R.T.: 6.241 min
Delta R.T.: 0.002 min
Response: 107189842
Conc: 485.53 ng/ml



#32 AR-1260-2

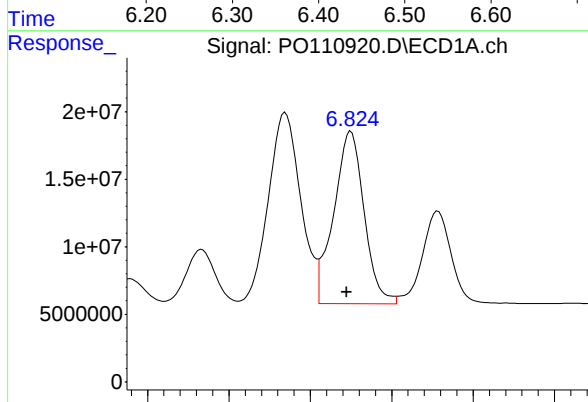
R.T.: 6.457 min
Delta R.T.: 0.002 min
Response: 182788663
Conc: 440.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



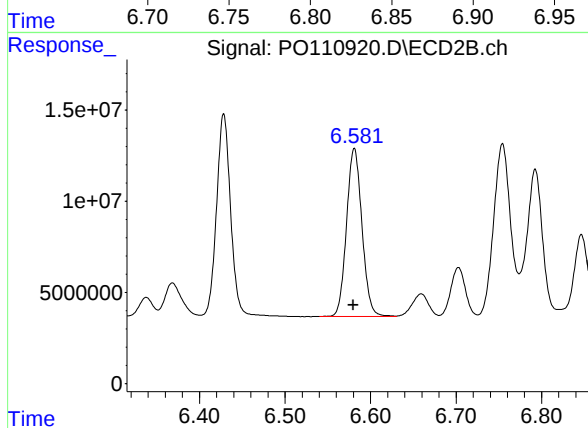
#32 AR-1260-2

R.T.: 6.428 min
Delta R.T.: 0.001 min
Response: 125532831
Conc: 488.02 ng/ml



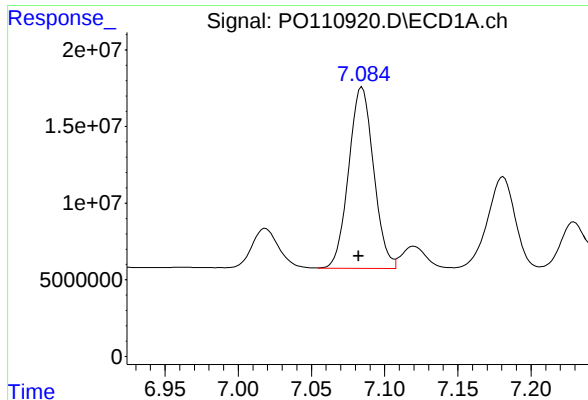
#33 AR-1260-3

R.T.: 6.825 min
Delta R.T.: 0.003 min
Response: 166073495
Conc: 471.44 ng/ml



#33 AR-1260-3

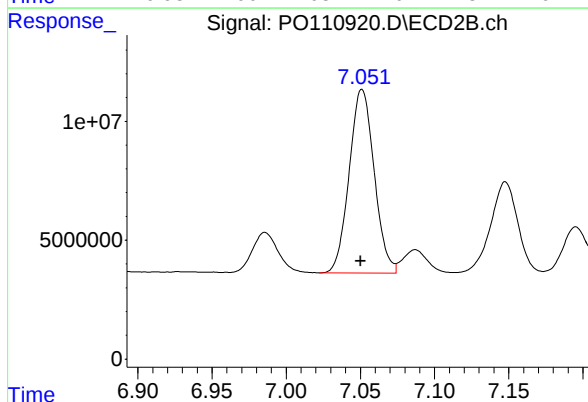
R.T.: 6.581 min
Delta R.T.: 0.001 min
Response: 115893085
Conc: 497.09 ng/ml



#34 AR-1260-4

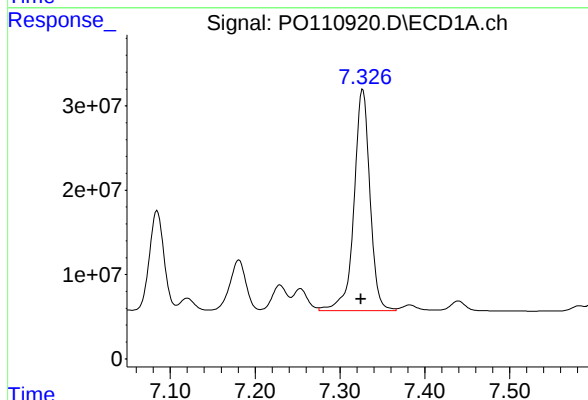
R.T.: 7.085 min
Delta R.T.: 0.002 min
Response: 140169875
Conc: 460.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



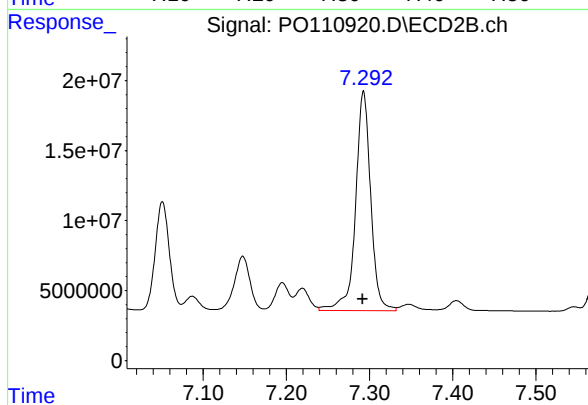
#34 AR-1260-4

R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 90613038
Conc: 497.61 ng/ml



#35 AR-1260-5

R.T.: 7.327 min
Delta R.T.: 0.002 min
Response: 343299993
Conc: 467.47 ng/ml



#35 AR-1260-5

R.T.: 7.293 min
Delta R.T.: 0.001 min
Response: 198404861
Conc: 504.60 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110921.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 20:18
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO050225AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 23:32:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:29:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 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	3.680	277.2E6	252.5E6	48.147	52.207
2) SA Decachlor...	8.729	8.678	292.7E6	87913293	46.145	50.806
Target Compounds						
16) L4 AR-1242-1	4.775	4.760	84944465	66488459	461.836	502.457
17) L4 AR-1242-2	4.794	4.779	121.7E6	96449898	472.371	507.433
18) L4 AR-1242-3	4.851	4.955	82866111	51165326	455.034	504.983
19) L4 AR-1242-4	4.971	5.039	64545755	51485584	462.186	496.436
20) L4 AR-1242-5	5.624	5.560	72069745	63448667	462.298	501.310

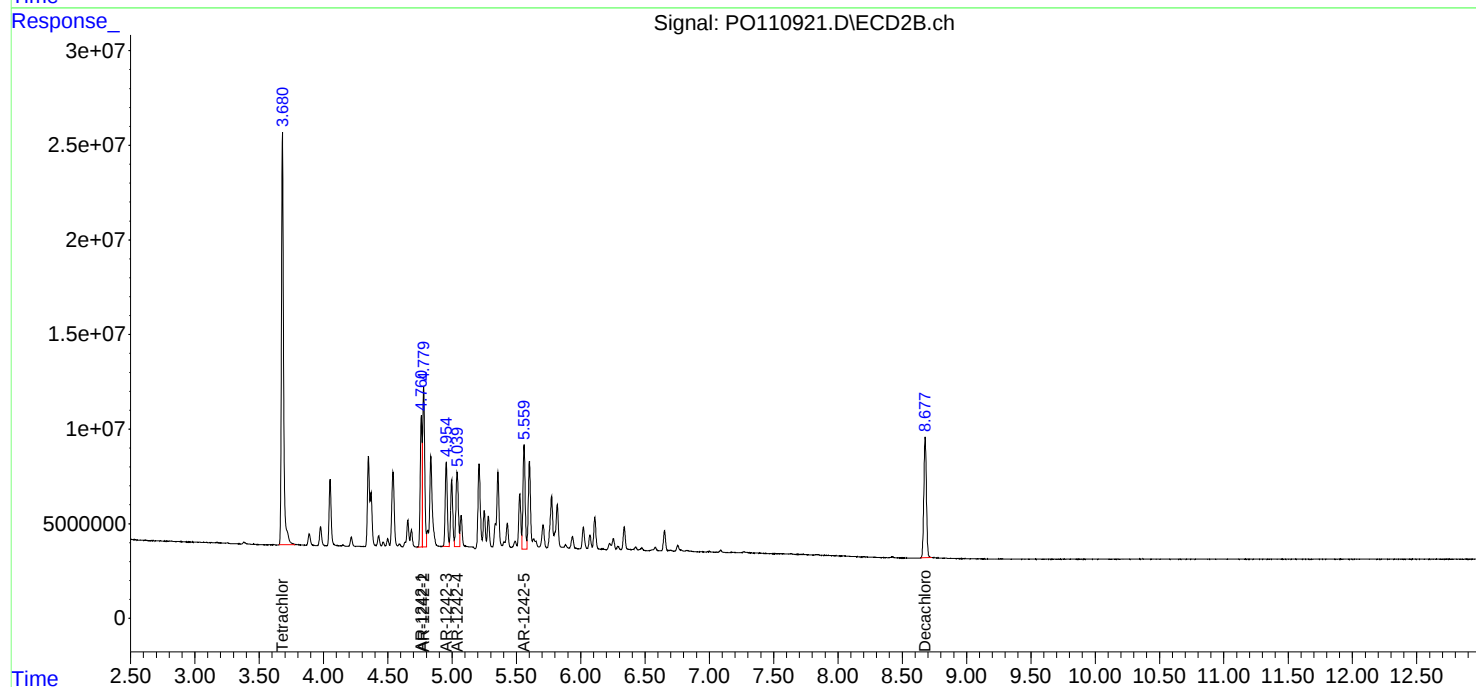
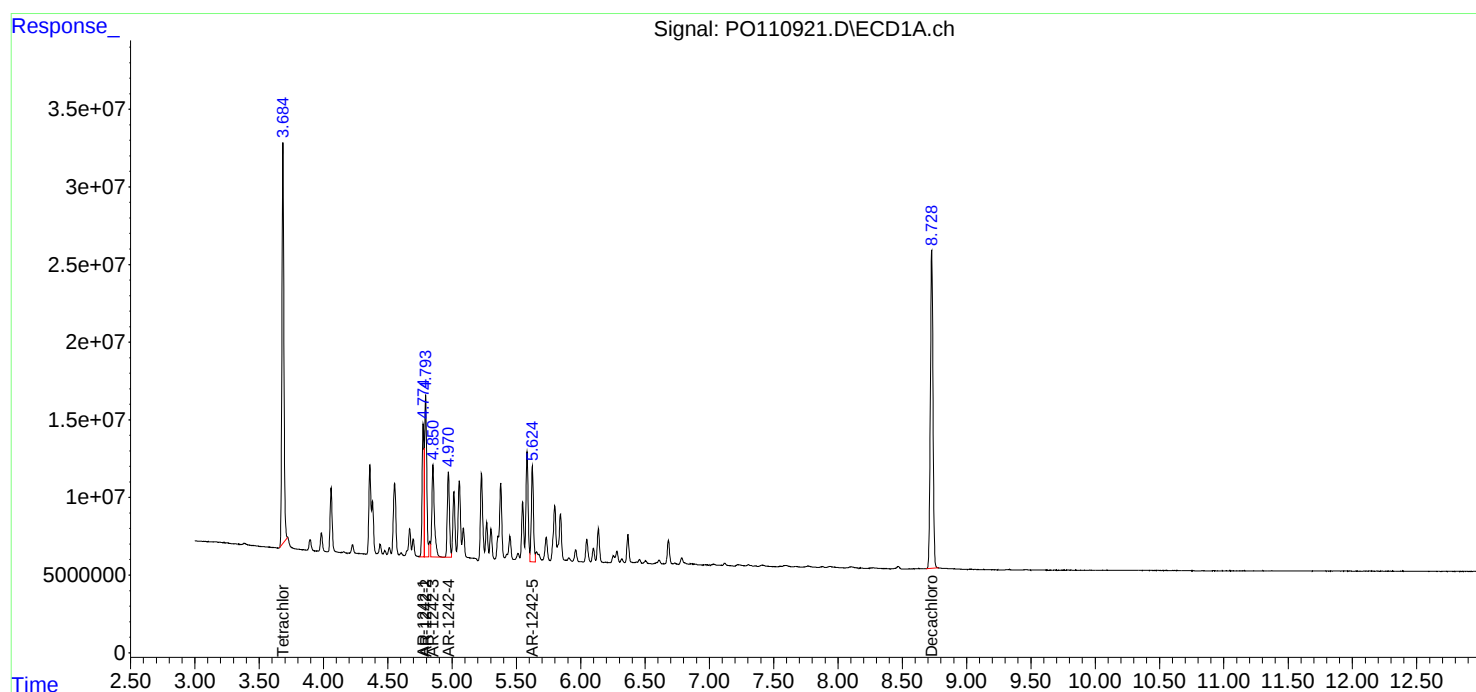
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

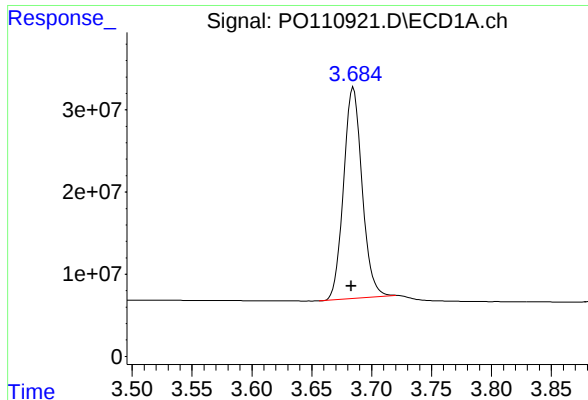
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 20:18
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:32:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:29:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

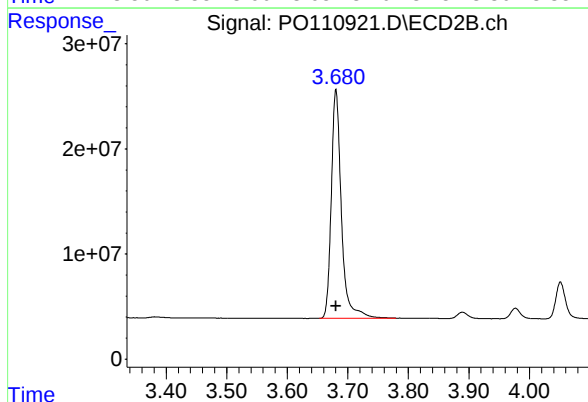




#1 Tetrachloro-m-xylene

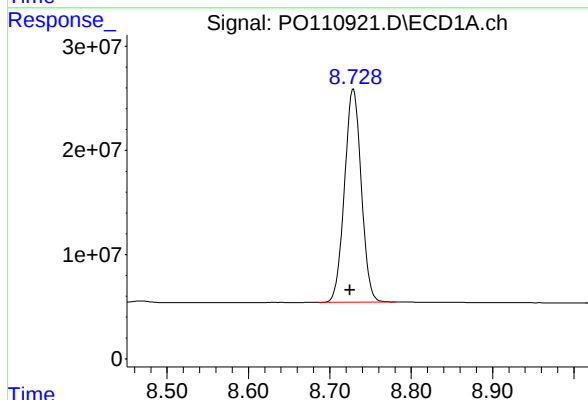
R.T.: 3.685 min
Delta R.T.: 0.002 min
Response: 277152291
Conc: 48.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



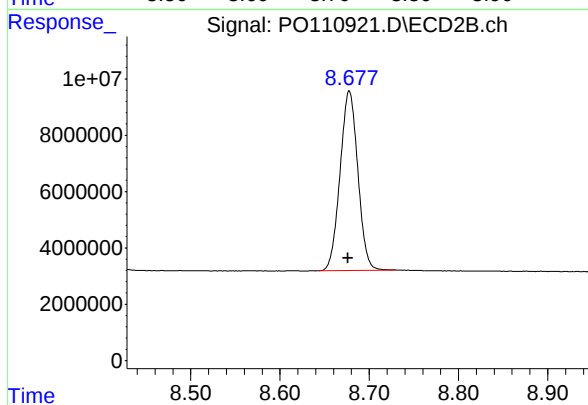
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 252488322
Conc: 52.21 ng/ml



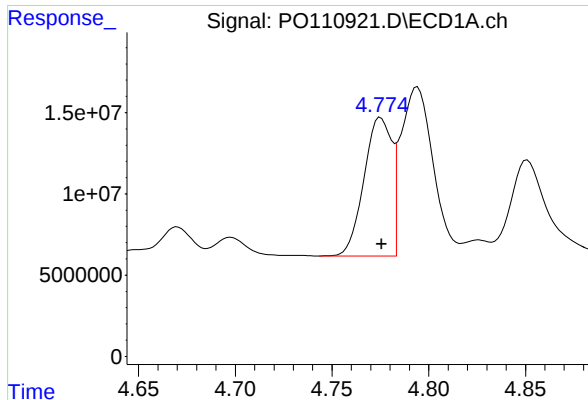
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: 0.004 min
Response: 292650726
Conc: 46.15 ng/ml



#2 Decachlorobiphenyl

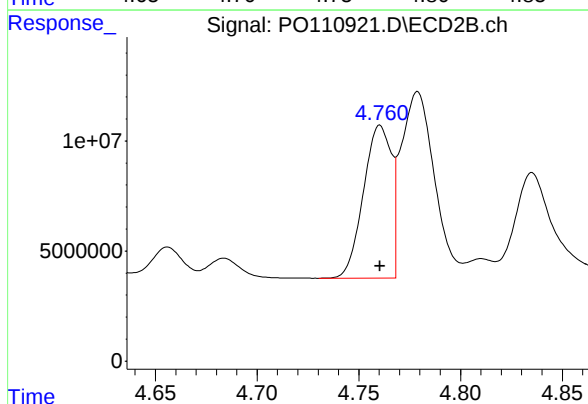
R.T.: 8.678 min
Delta R.T.: 0.002 min
Response: 87913293
Conc: 50.81 ng/ml



#16 AR-1242-1

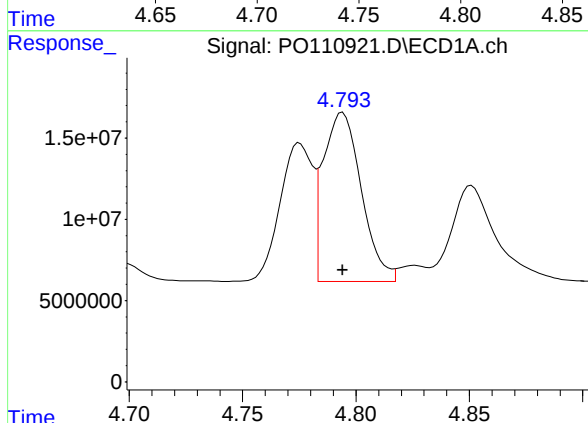
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 84944465
Conc: 461.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



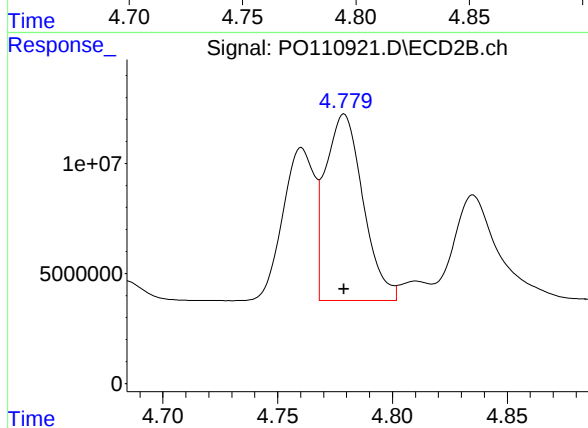
#16 AR-1242-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 66488459
Conc: 502.46 ng/ml



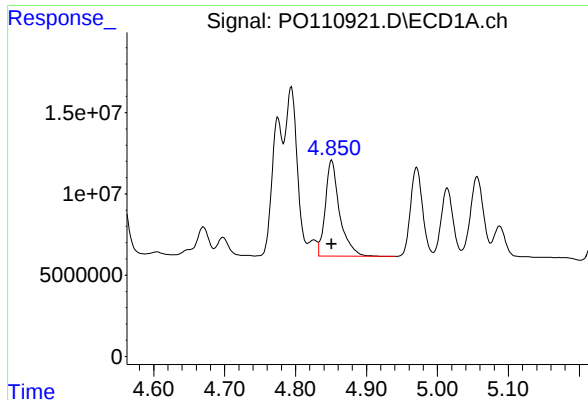
#17 AR-1242-2

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 121684817
Conc: 472.37 ng/ml



#17 AR-1242-2

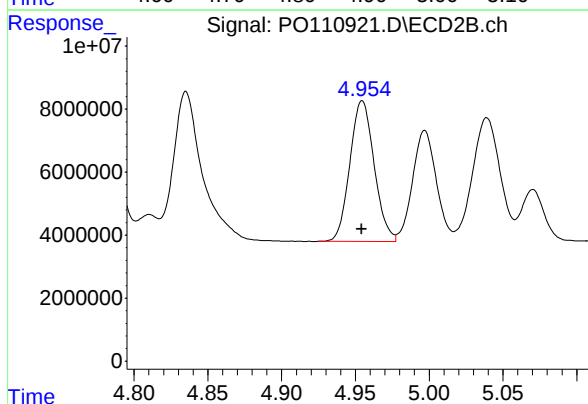
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 96449898
Conc: 507.43 ng/ml



#18 AR-1242-3

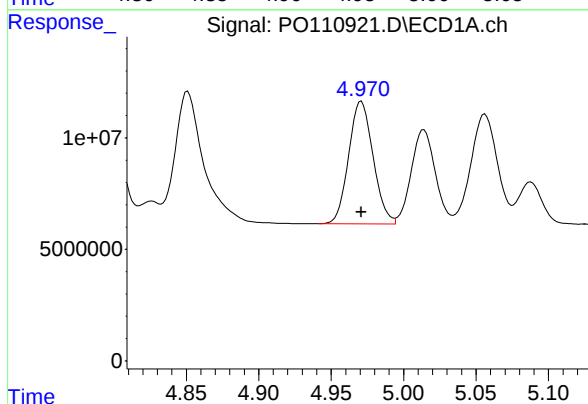
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 82866111
Conc: 455.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



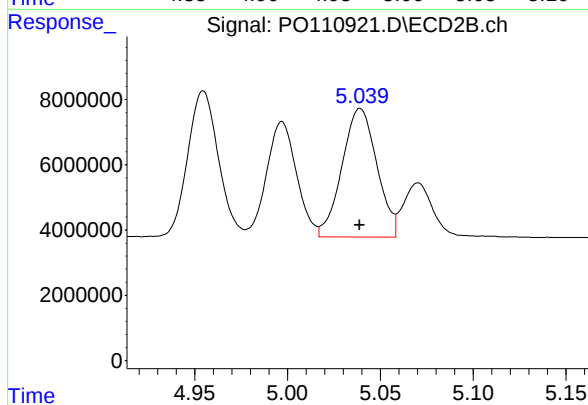
#18 AR-1242-3

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 51165326
Conc: 504.98 ng/ml



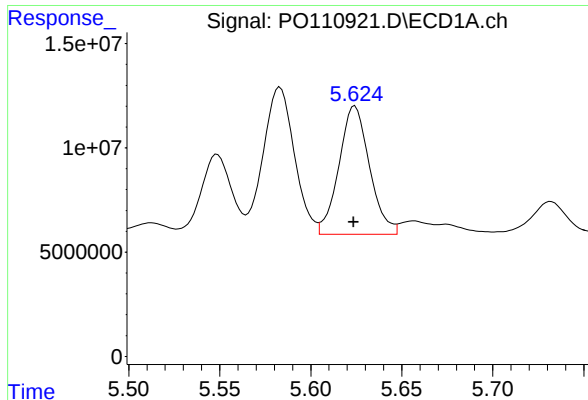
#19 AR-1242-4

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 64545755
Conc: 462.19 ng/ml



#19 AR-1242-4

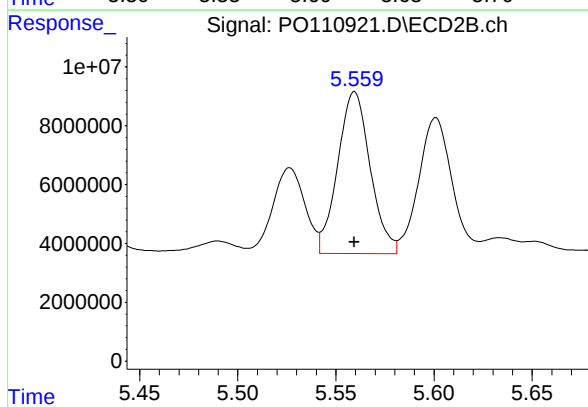
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 51485584
Conc: 496.44 ng/ml



#20 AR-1242-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 72069745
Conc: 462.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



#20 AR-1242-5

R.T.: 5.560 min
Delta R.T.: 0.000 min
Response: 63448667
Conc: 501.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110922.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 20:54
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO050225AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 23:35:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:33:51 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.684	3.680	281.7E6	249.0E6	50.508	53.918
2) SA Decachlor...	8.728	8.676	291.0E6	86640442	47.301	50.921
Target Compounds						
21) L5 AR-1248-1	4.775	4.759	65440838	50906724	498.171	528.215
22) L5 AR-1248-2	5.013	4.996	87125763	69718152	497.201	515.965
23) L5 AR-1248-3	5.228	5.038	109.3E6	74471131	495.964	513.088
24) L5 AR-1248-4	5.582	5.208	157.6E6	87700628	480.768	523.535
25) L5 AR-1248-5	5.623	5.600	113.6E6	86365939	486.636	514.455

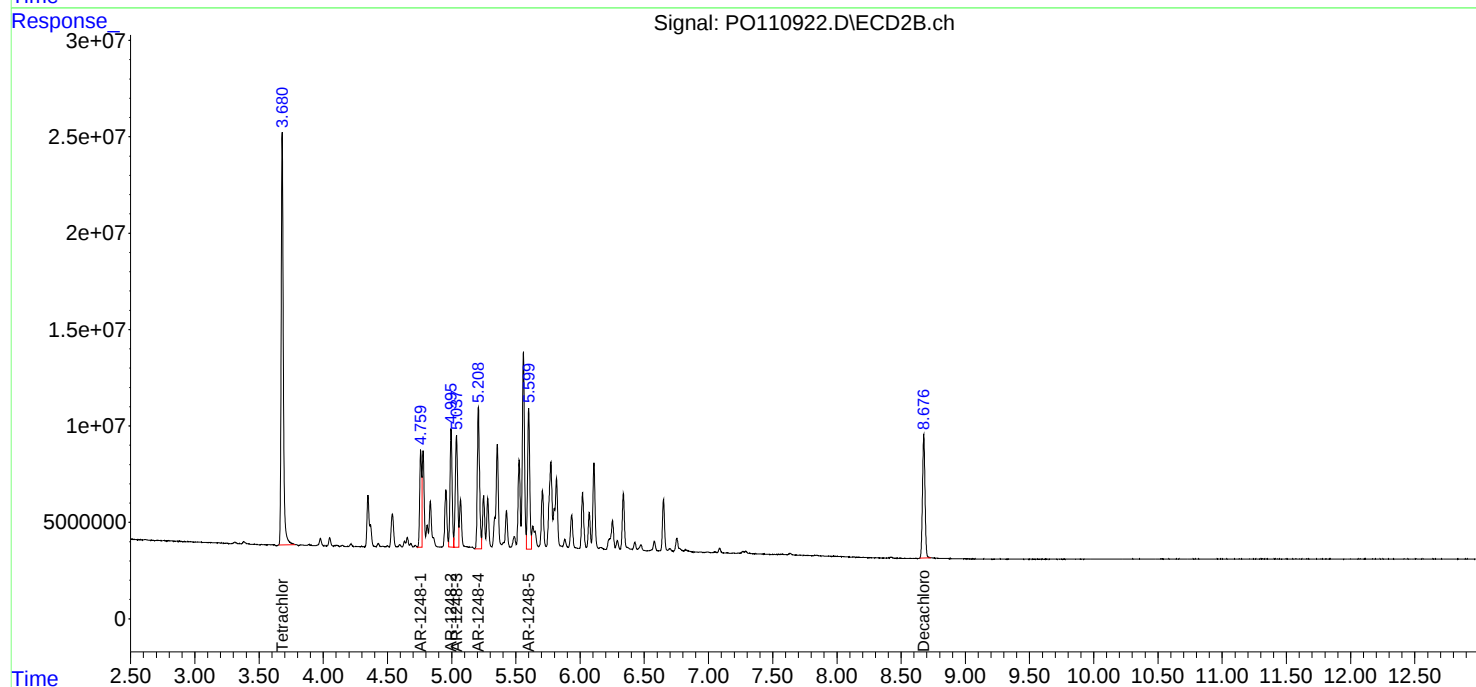
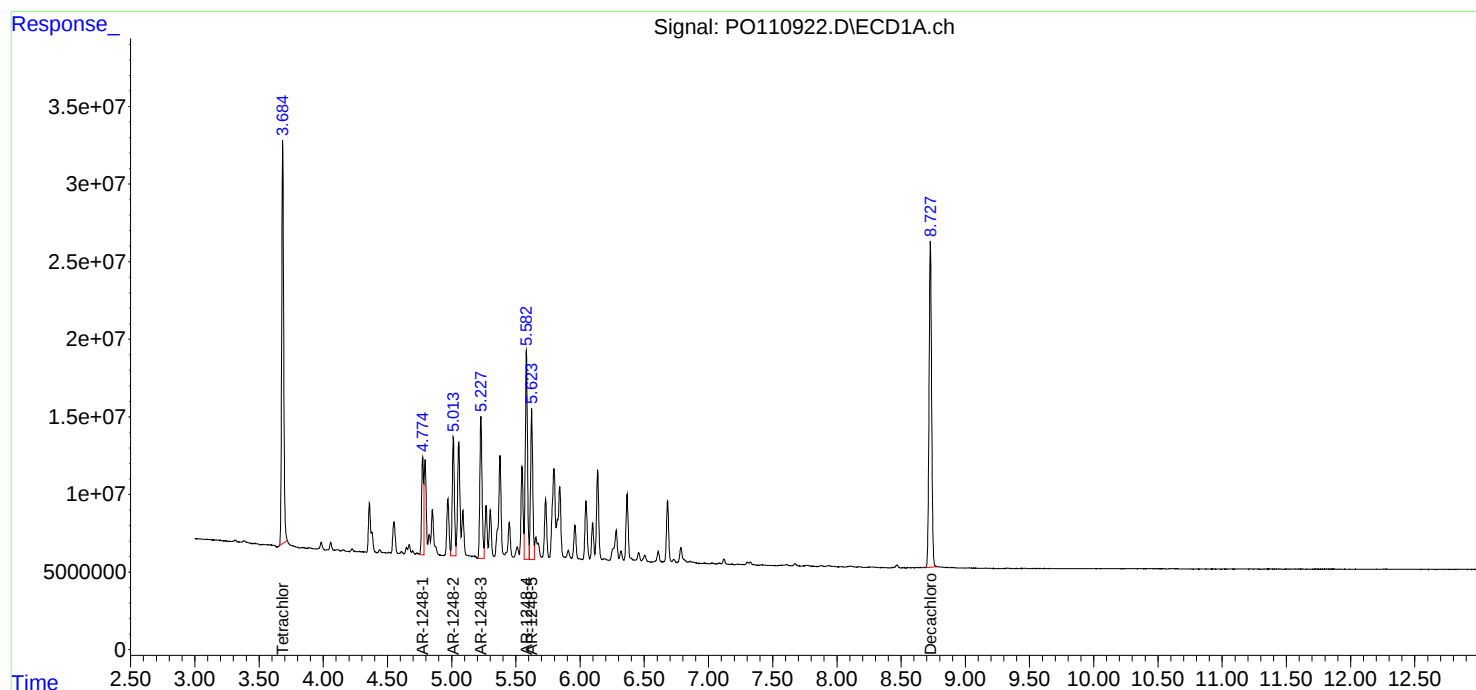
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

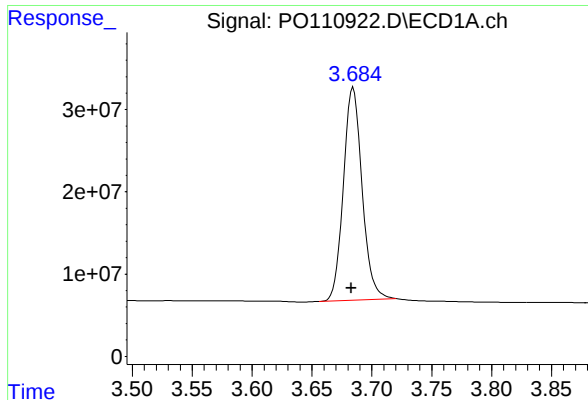
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 20:54
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:35:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:33:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

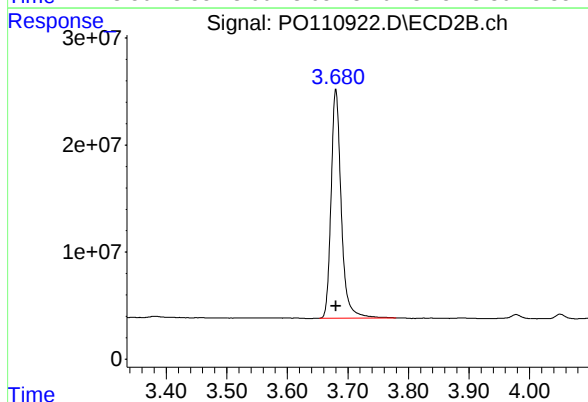




#1 Tetrachloro-m-xylene

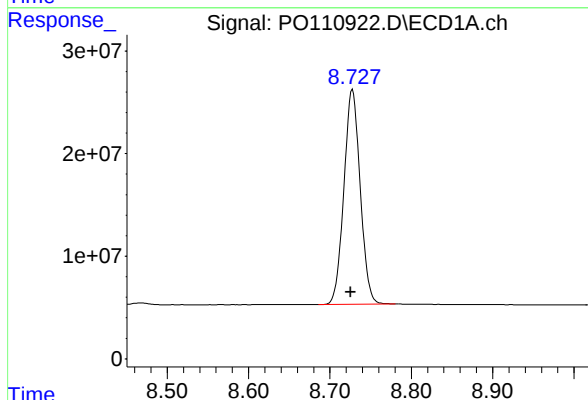
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 281652415
Conc: 50.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248



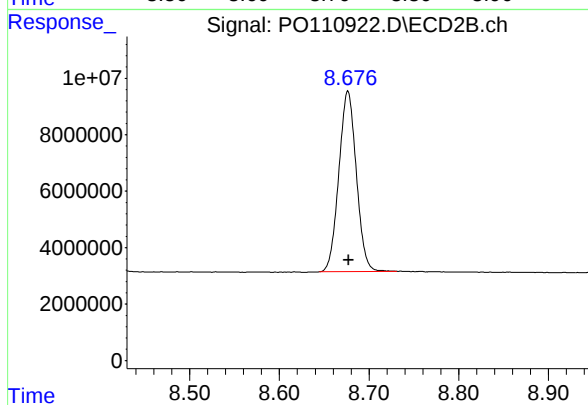
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 248964908
Conc: 53.92 ng/ml



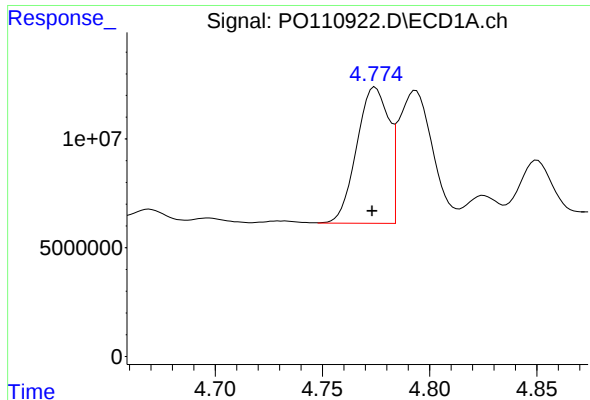
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.002 min
Response: 291010640
Conc: 47.30 ng/ml



#2 Decachlorobiphenyl

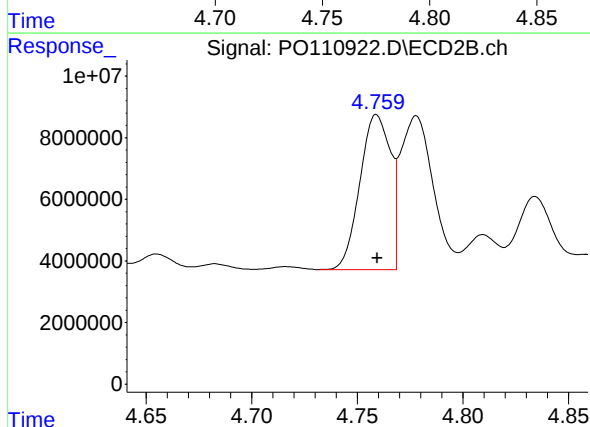
R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 86640442
Conc: 50.92 ng/ml



#21 AR-1248-1

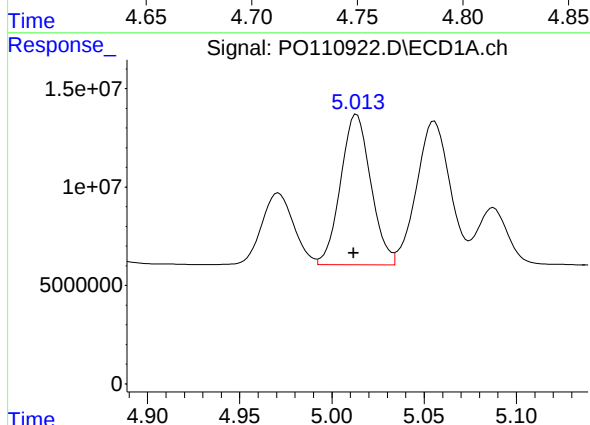
R.T.: 4.775 min
Delta R.T.: 0.001 min
Response: 65440838
Conc: 498.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248



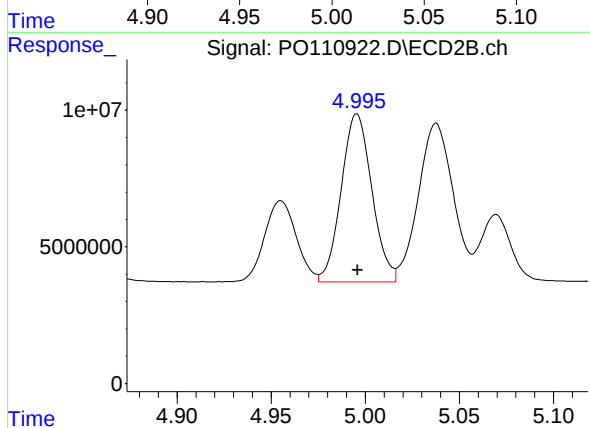
#21 AR-1248-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 50906724
Conc: 528.22 ng/ml



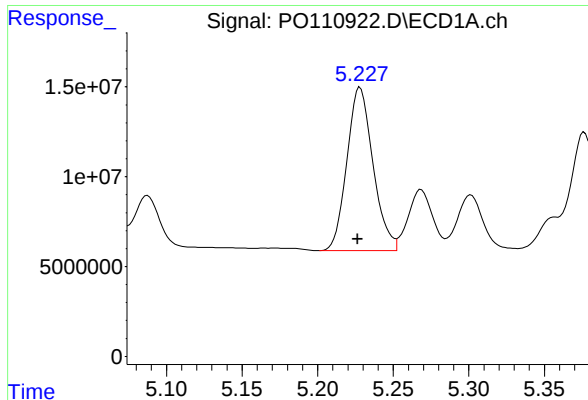
#22 AR-1248-2

R.T.: 5.013 min
Delta R.T.: 0.002 min
Response: 87125763
Conc: 497.20 ng/ml



#22 AR-1248-2

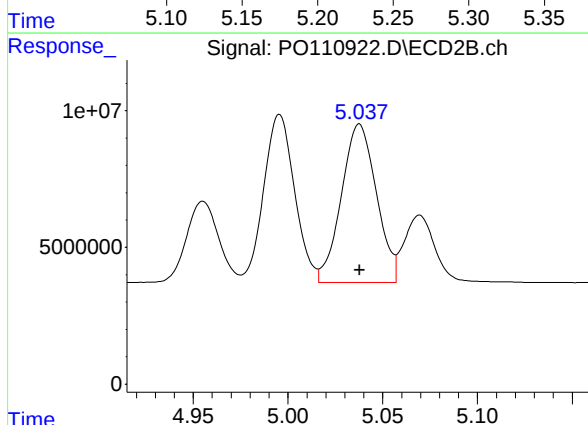
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 69718152
Conc: 515.97 ng/ml



#23 AR-1248-3

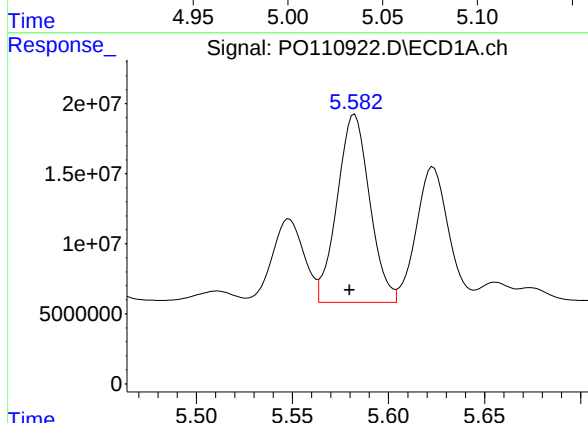
R.T.: 5.228 min
Delta R.T.: 0.002 min
Response: 109344102
Conc: 495.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248



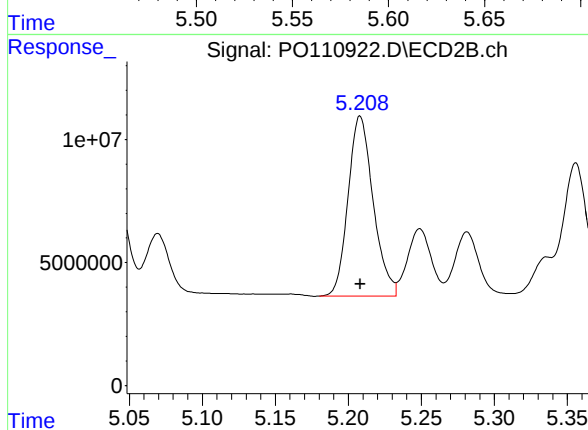
#23 AR-1248-3

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 74471131
Conc: 513.09 ng/ml



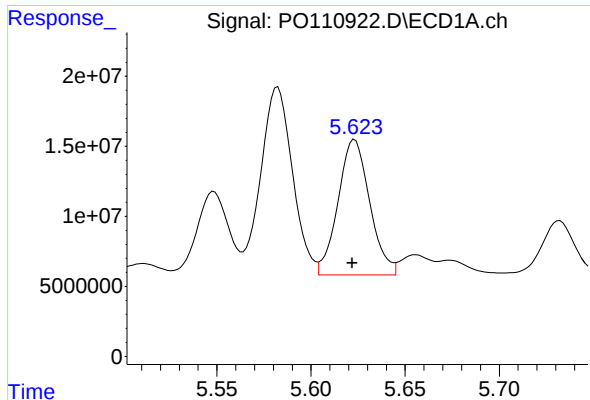
#24 AR-1248-4

R.T.: 5.582 min
Delta R.T.: 0.002 min
Response: 157554622
Conc: 480.77 ng/ml



#24 AR-1248-4

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 87700628
Conc: 523.54 ng/ml



#25 AR-1248-5

R.T.: 5.623 min

Delta R.T.: 0.001 min

Response: 113604147

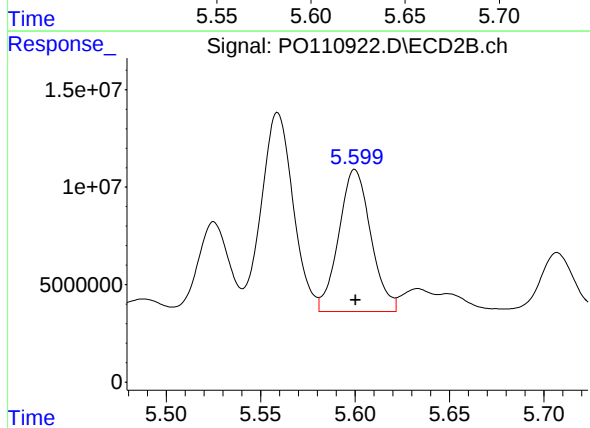
Conc: 486.64 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO050225AR1248



#25 AR-1248-5

R.T.: 5.600 min

Delta R.T.: 0.000 min

Response: 86365939

Conc: 514.45 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110923.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 21:31
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO050225AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 23:40:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:37:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.686	3.682	284.4E6	252.0E6	49.883	52.201
2) SA Decachlor...	8.729	8.678	293.9E6	87469111	47.946	50.337
Target Compounds						
26) L6 AR-1254-1	5.583	5.561	166.1E6	127.6E6	492.032	508.463
27) L6 AR-1254-2	5.732	5.708	144.2E6	110.8E6	501.071	507.621
28) L6 AR-1254-3	6.138	6.110	226.4E6	169.6E6	495.188	507.509
29) L6 AR-1254-4	6.367	6.338	150.3E6	98315385	493.211	506.360
30) L6 AR-1254-5	6.786	6.755	205.3E6	136.7E6	486.678	509.427

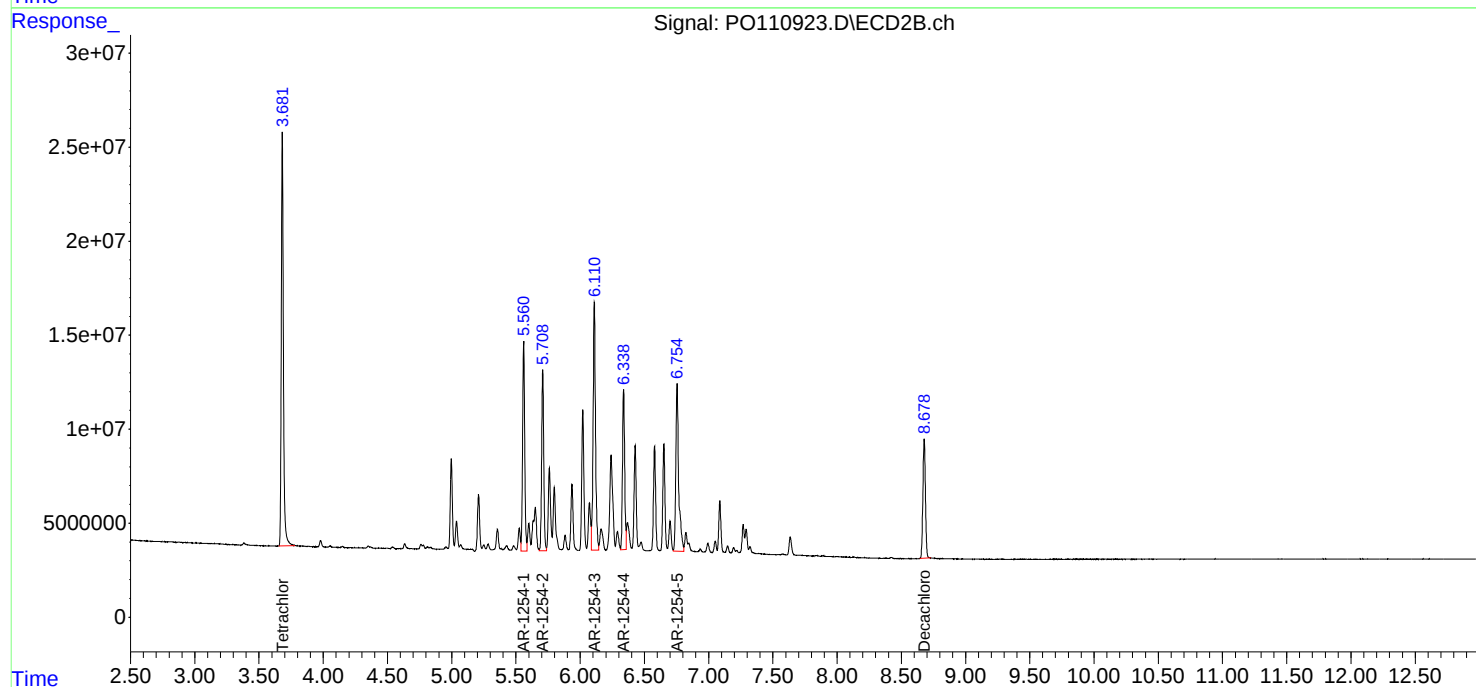
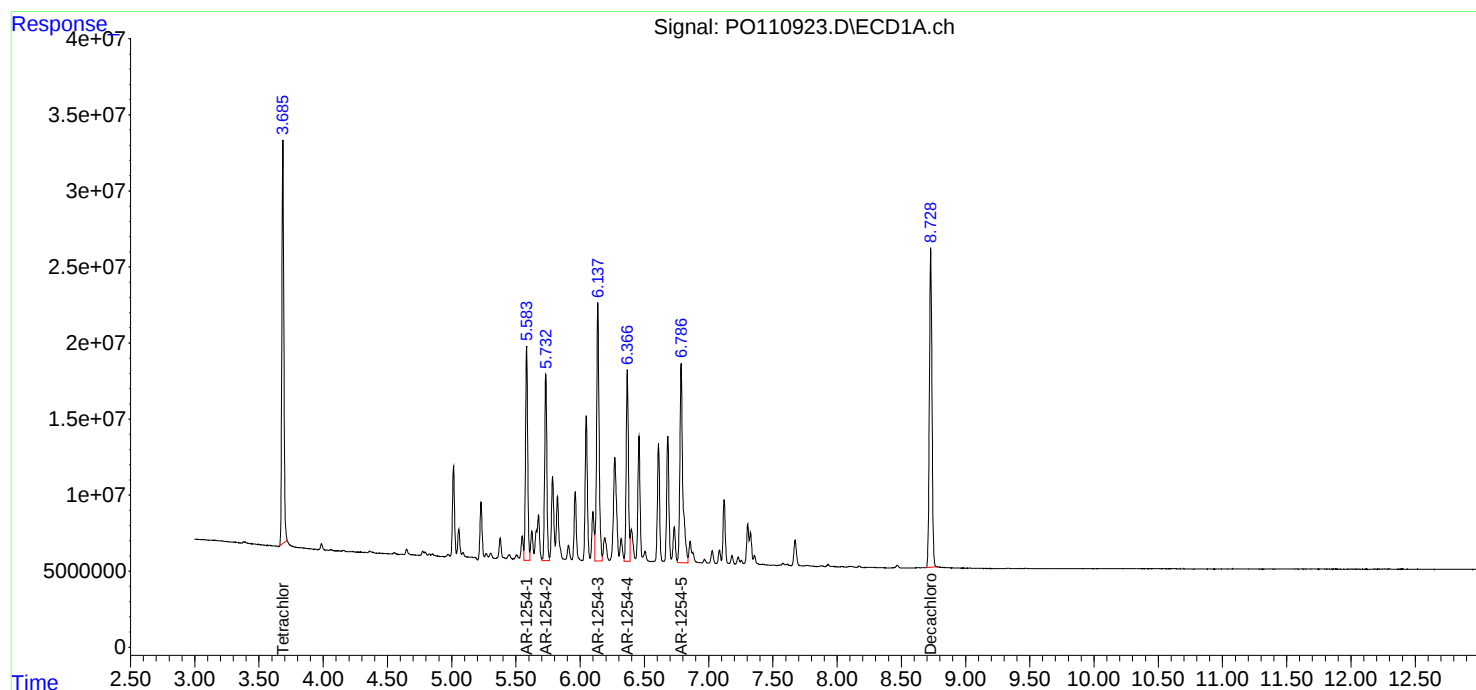
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

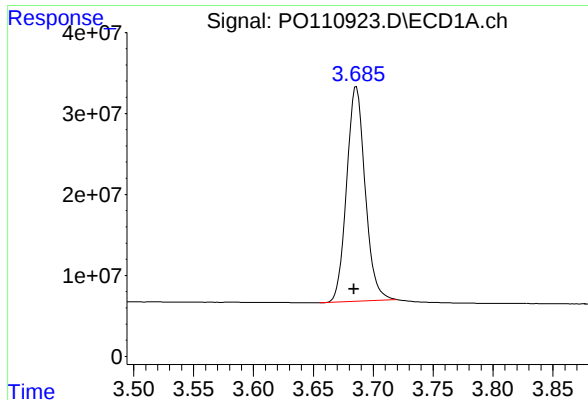
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 21:31
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:37:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

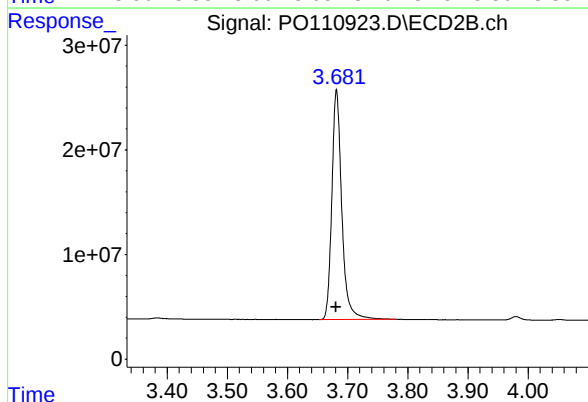




#1 Tetrachloro-m-xylene

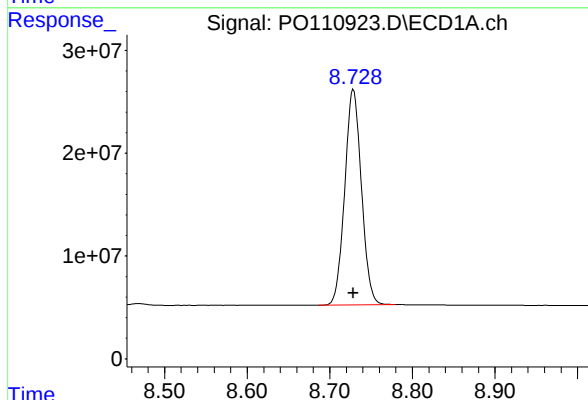
R.T.: 3.686 min
Delta R.T.: 0.002 min
Response: 284427642
Conc: 49.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



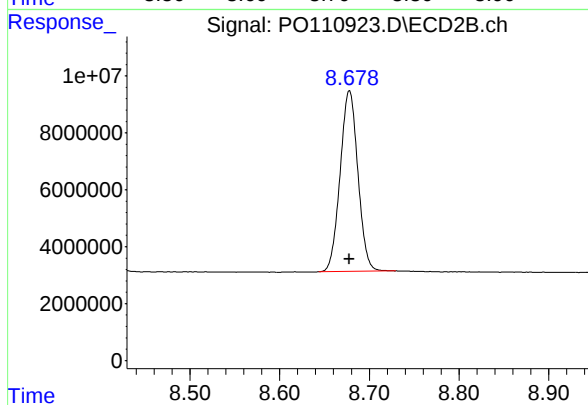
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: 0.001 min
Response: 252034049
Conc: 52.20 ng/ml



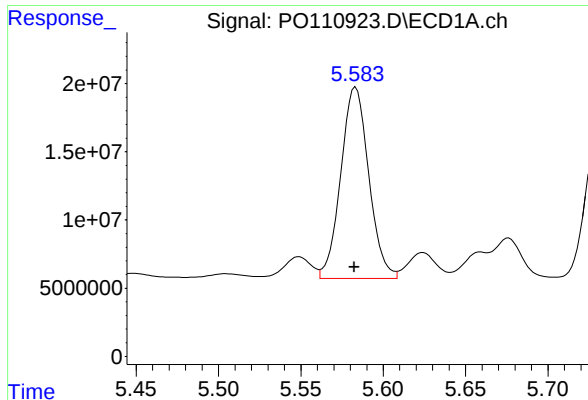
#2 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 293875806
Conc: 47.95 ng/ml



#2 Decachlorobiphenyl

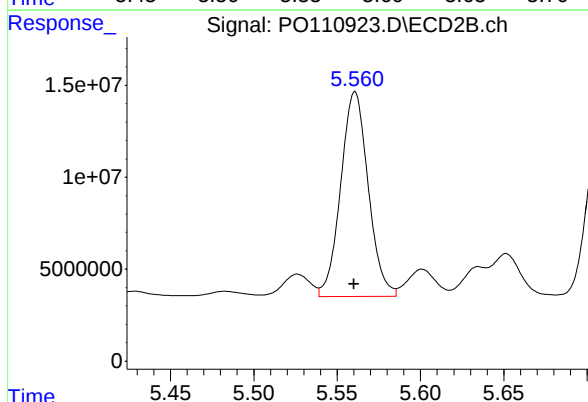
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 87469111
Conc: 50.34 ng/ml



#26 AR-1254-1

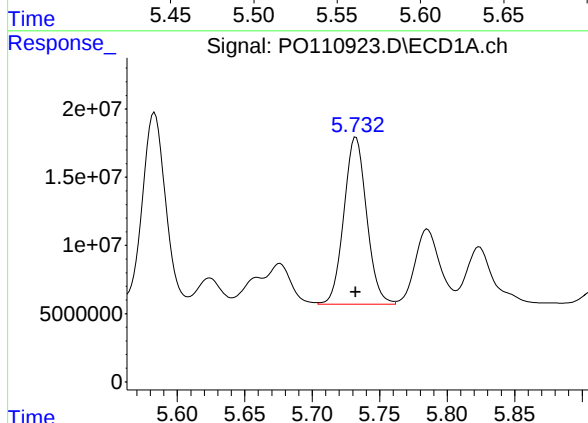
R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 166095813
Conc: 492.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



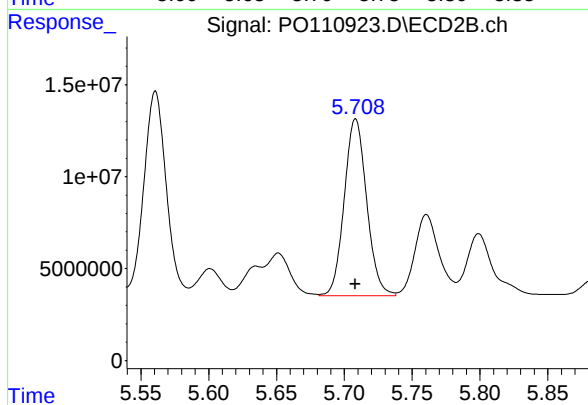
#26 AR-1254-1

R.T.: 5.561 min
Delta R.T.: 0.000 min
Response: 127636465
Conc: 508.46 ng/ml



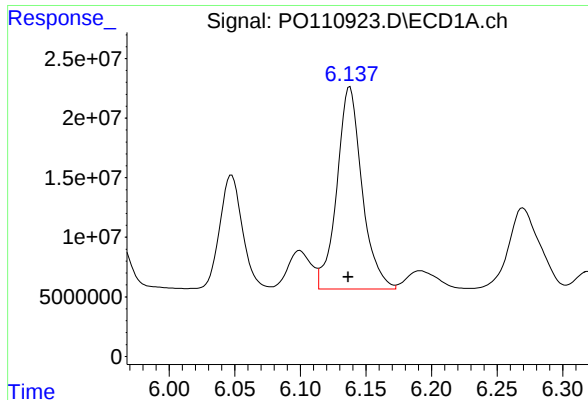
#27 AR-1254-2

R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 144158724
Conc: 501.07 ng/ml



#27 AR-1254-2

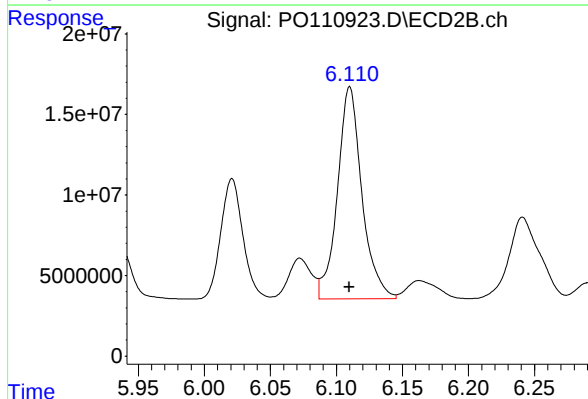
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 110755845
Conc: 507.62 ng/ml



#28 AR-1254-3

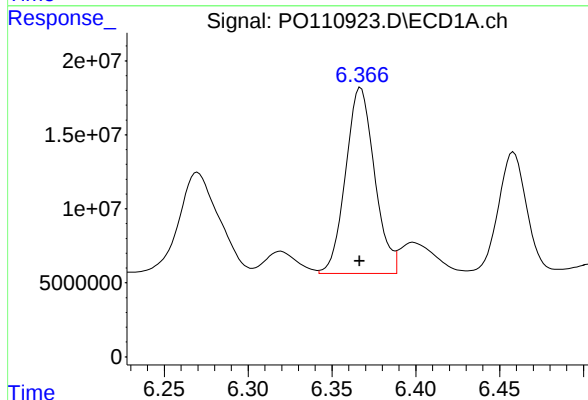
R.T.: 6.138 min
Delta R.T.: 0.001 min
Response: 226448238
Conc: 495.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



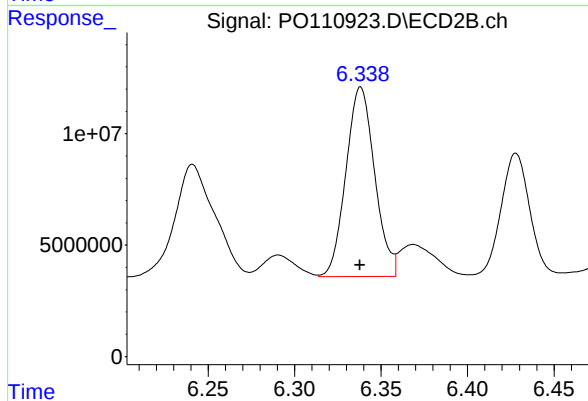
#28 AR-1254-3

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 169614477
Conc: 507.51 ng/ml



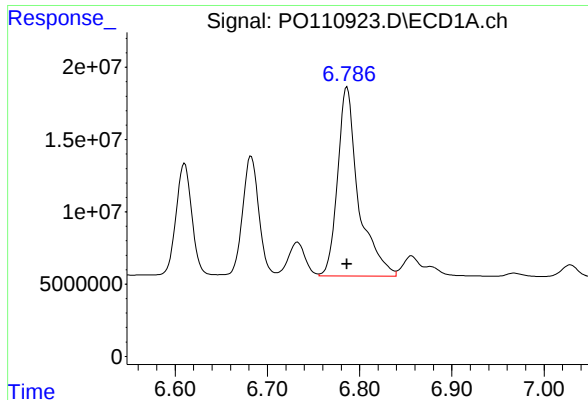
#29 AR-1254-4

R.T.: 6.367 min
Delta R.T.: 0.000 min
Response: 150343346
Conc: 493.21 ng/ml



#29 AR-1254-4

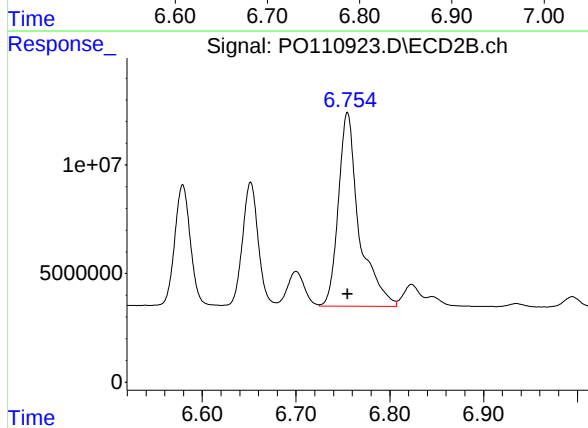
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 98315385
Conc: 506.36 ng/ml



#30 AR-1254-5

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 205323820
Conc: 486.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



#30 AR-1254-5

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 136669667
Conc: 509.43 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050225\
 Data File : P0110924.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 22:08
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO050225AR1268

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/05/2025
 Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 23:44:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:42:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.685	3.681	291.9E6	259.0E6	48.591	49.645
2) SA Decachlor...	8.728	8.678	492.6E6	144.0E6	47.891	48.532
Target Compounds						
41) L9 AR-1268-1	7.612	7.576	456.7E6	223.9E6	484.912m	488.100
42) L9 AR-1268-2	7.678	7.641	414.4E6	203.9E6	482.247	490.365
43) L9 AR-1268-3	7.885	7.846	356.7E6	150.8E6	479.904	489.434
44) L9 AR-1268-4	8.173	8.131	150.5E6	55100857	484.435	486.339
45) L9 AR-1268-5	8.470	8.424	1050.4E6	317.8E6	478.987	483.957

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 22:08
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 28 Sample Multiplier: 1

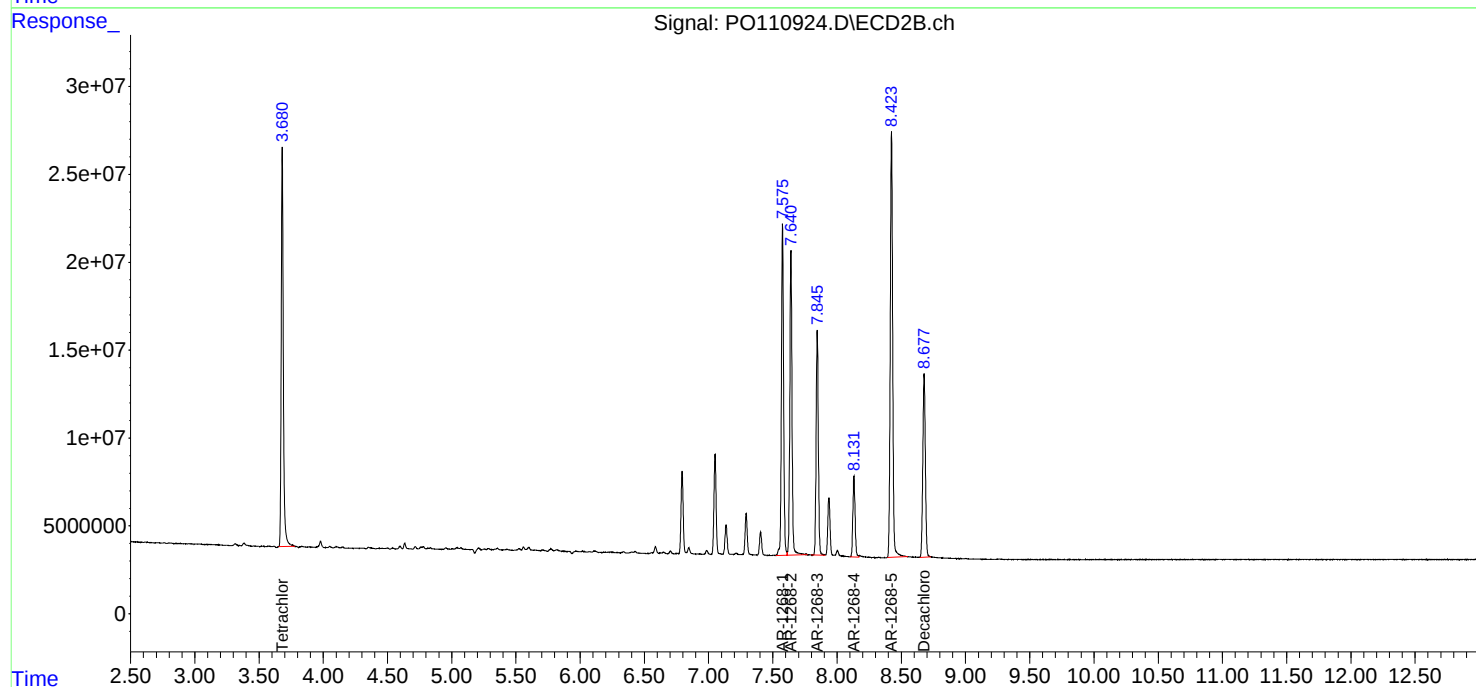
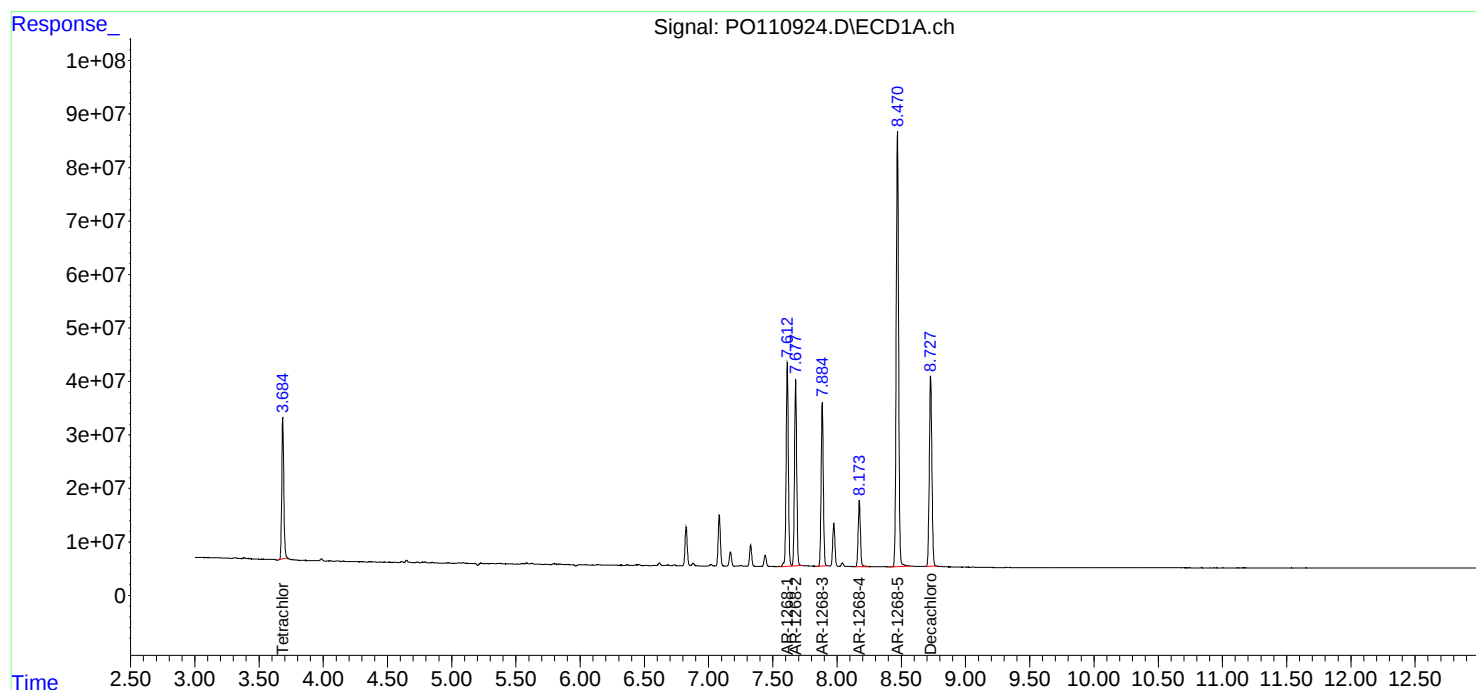
Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

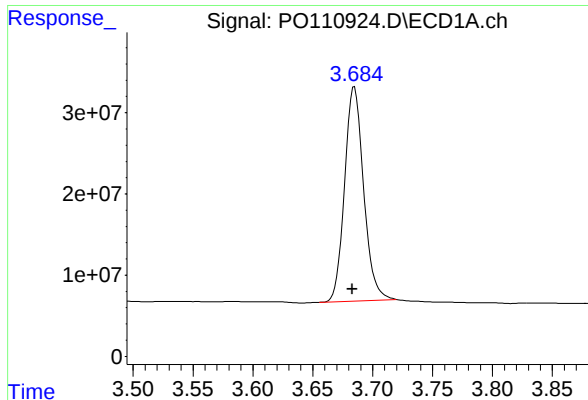
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:42:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





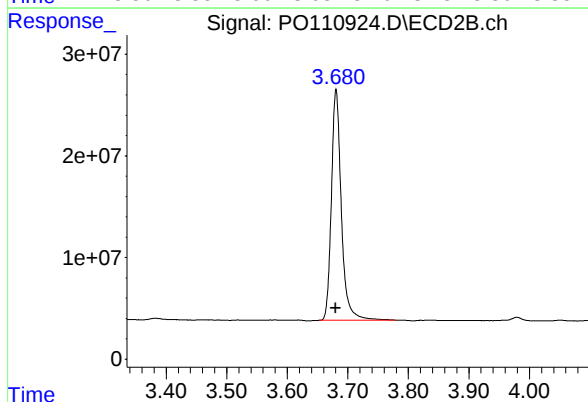
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.002 min
Response: 291884946
Conc: 48.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

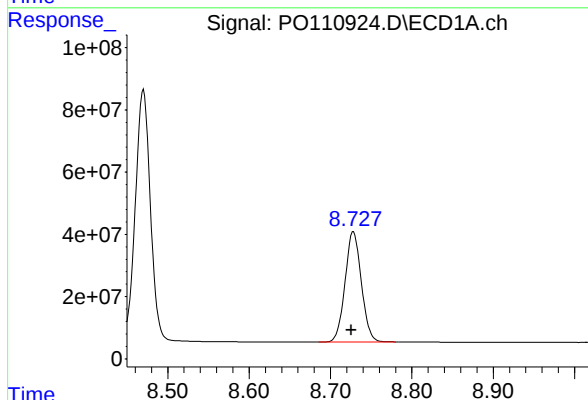
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



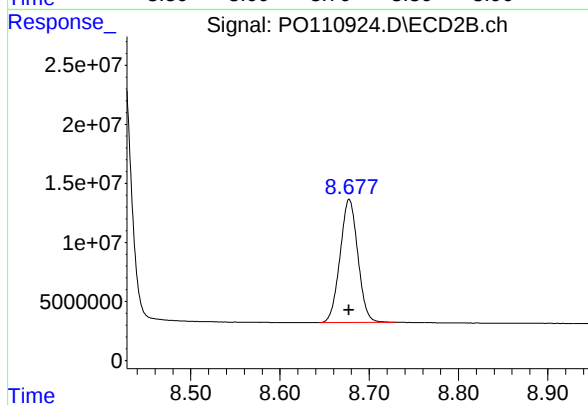
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 259024900
Conc: 49.65 ng/ml



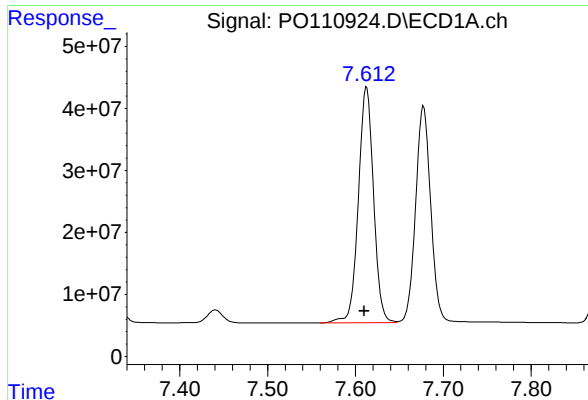
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.003 min
Response: 492644787
Conc: 47.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 144029795
Conc: 48.53 ng/ml



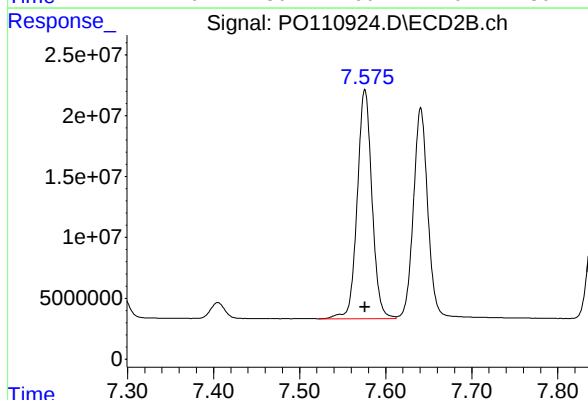
#41 AR-1268-1

R.T.: 7.612 min
Delta R.T.: 0.002 min
Response: 456669826
Conc: 484.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

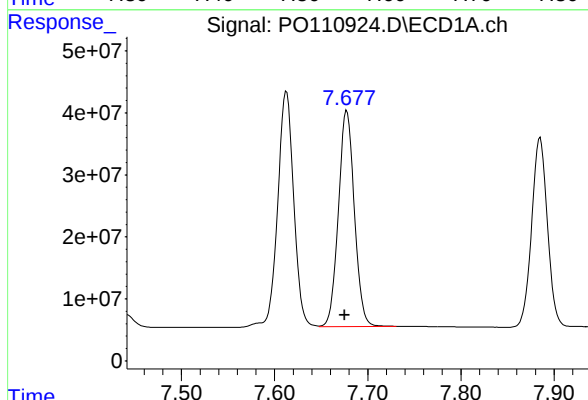
Manual Integrations
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Supervised By :mohammad ahmed 05/06/2025



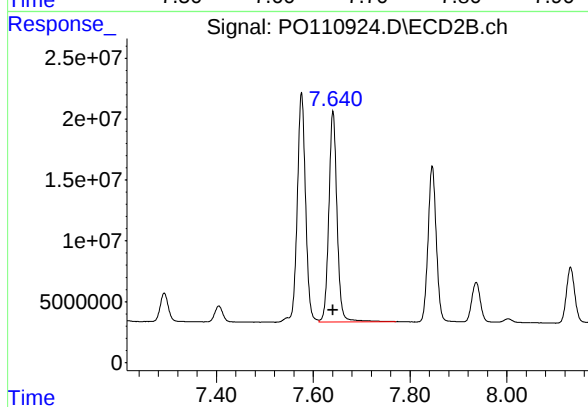
#41 AR-1268-1

R.T.: 7.576 min
Delta R.T.: 0.000 min
Response: 223940349
Conc: 488.10 ng/ml



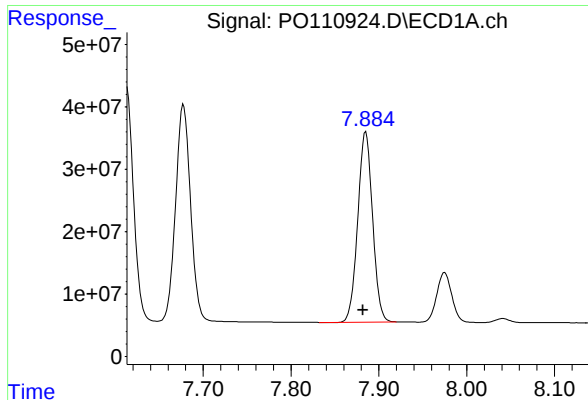
#42 AR-1268-2

R.T.: 7.678 min
Delta R.T.: 0.002 min
Response: 414431193
Conc: 482.25 ng/ml



#42 AR-1268-2

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 203903207
Conc: 490.37 ng/ml



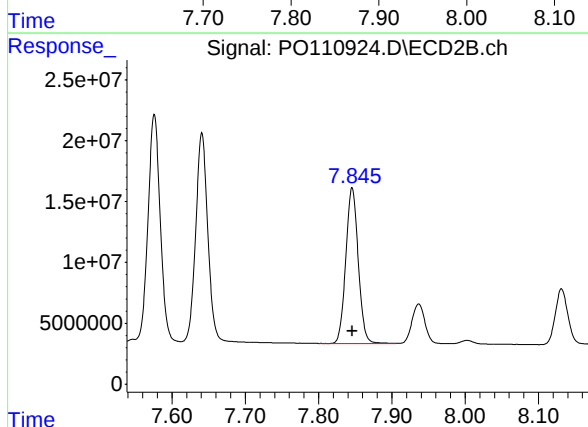
#43 AR-1268-3

R.T.: 7.885 min
Delta R.T.: 0.003 min
Response: 356651520
Conc: 479.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

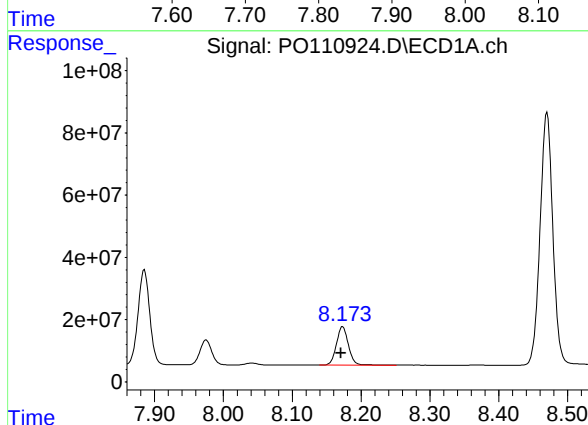
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



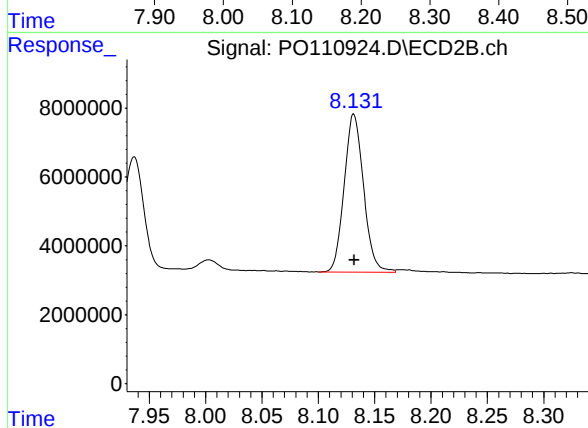
#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 150815642
Conc: 489.43 ng/ml



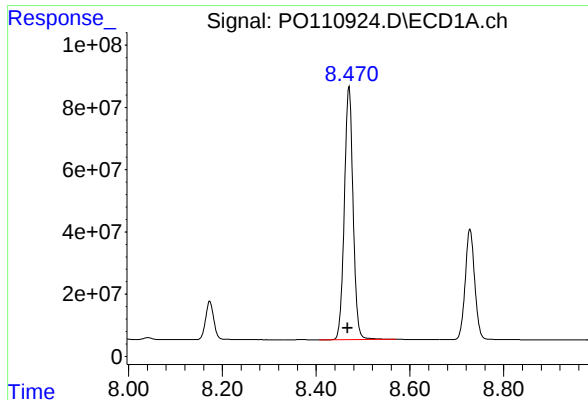
#44 AR-1268-4

R.T.: 8.173 min
Delta R.T.: 0.003 min
Response: 150516159
Conc: 484.44 ng/ml



#44 AR-1268-4

R.T.: 8.131 min
Delta R.T.: 0.000 min
Response: 55100857
Conc: 486.34 ng/ml



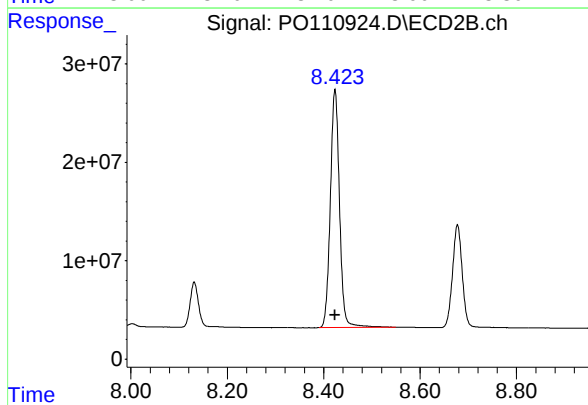
#45 AR-1268-5

R.T.: 8.470 min
Delta R.T.: 0.003 min
Response: 1050366044
Conc: 478.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



#45 AR-1268-5

R.T.: 8.424 min
Delta R.T.: 0.000 min
Response: 317791942
Conc: 483.96 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 05/02/2025 05/02/2025

Continuing Calib Time: 10:03 Initial Calibration Time(s): 09:45 18:29

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	4.77	4.67	4.87	-0.01
Aroclor-1016-2	(2)	4.80	4.79	4.69	4.89	-0.01
Aroclor-1016-3	(3)	4.86	4.85	4.75	4.95	-0.01
Aroclor-1016-4	(4)	4.98	4.97	4.87	5.07	-0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.28	6.27	6.17	6.37	-0.01
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.83	6.82	6.72	6.92	-0.01
Aroclor-1260-4	(4)	7.09	7.08	6.98	7.18	-0.01
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.68	3.58	3.78	-0.01
Decachlorobiphenyl		8.74	8.73	8.63	8.83	-0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 05/02/2025 05/02/2025

Continuing Calib Time: 10:03 Initial Calibration Time(s): 09:45 18:29

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	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/02/2025 05/02/2025

Client Sample No.: CCAL01 Date Analyzed: 05/05/2025

Lab Sample No.: AR1660CCC500 Data File : PO110926.D Time Analyzed: 10:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.780	4.673	4.873	449.500	500.000	-10.1
Aroclor-1016-2	4.800	4.692	4.892	462.350	500.000	-7.5
Aroclor-1016-3	4.856	4.748	4.948	431.450	500.000	-13.7
Aroclor-1016-4	4.976	4.868	5.068	459.620	500.000	-8.1
Aroclor-1016-5	5.234	5.125	5.325	449.770	500.000	-10.0
Aroclor-1260-1	6.275	6.165	6.365	441.930	500.000	-11.6
Aroclor-1260-2	6.463	6.355	6.555	440.130	500.000	-12.0
Aroclor-1260-3	6.831	6.722	6.922	464.700	500.000	-7.1
Aroclor-1260-4	7.091	6.982	7.182	455.430	500.000	-8.9
Aroclor-1260-5	7.334	7.225	7.425	459.130	500.000	-8.2
Decachlorobiphenyl	8.736	8.625	8.825	45.470	50.000	-9.1
Tetrachloro-m-xylene	3.689	3.583	3.783	46.640	50.000	-6.7



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CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/02/2025 05/02/2025

Client Sample No.: CCAL01 Date Analyzed: 05/05/2025

Lab Sample No.: AR1660CCC500 Data File : PO110926.D Time Analyzed: 10:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.760	4.660	4.860	485.320	500.000	-2.9
Aroclor-1016-2	4.779	4.679	4.879	485.430	500.000	-2.9
Aroclor-1016-3	4.954	4.854	5.054	491.110	500.000	-1.8
Aroclor-1016-4	4.996	4.896	5.096	494.570	500.000	-1.1
Aroclor-1016-5	5.208	5.109	5.309	483.070	500.000	-3.4
Aroclor-1260-1	6.240	6.139	6.339	480.420	500.000	-3.9
Aroclor-1260-2	6.428	6.327	6.527	479.660	500.000	-4.1
Aroclor-1260-3	6.580	6.480	6.680	493.460	500.000	-1.3
Aroclor-1260-4	7.052	6.950	7.150	496.890	500.000	-0.6
Aroclor-1260-5	7.292	7.192	7.392	505.320	500.000	1.1
Decachlorobiphenyl	8.677	8.576	8.776	52.350	50.000	4.7
Tetrachloro-m-xylene	3.680	3.580	3.780	50.010	50.000	0.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050525\
 Data File : PO110926.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 10:03
 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: May 05 11:17:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.689	3.680	266.8E6	242.2E6	46.642	50.012
2) SA Decachlor...	8.736	8.677	277.5E6	88329522	45.470	52.351
Target Compounds						
3) L1 AR-1016-1	4.780	4.760	99345264	77106413	449.497	485.320
4) L1 AR-1016-2	4.800	4.779	143.4E6	111.0E6	462.353	485.427
5) L1 AR-1016-3	4.856	4.954	98673355	59884080	431.449	491.110
6) L1 AR-1016-4	4.976	4.996	76845114	49833709	459.620	494.573
7) L1 AR-1016-5	5.234	5.208	80098638	63476974	449.768	483.072
31) L7 AR-1260-1	6.275	6.240	147.0E6	106.1E6	441.934	480.415
32) L7 AR-1260-2	6.463	6.428	182.6E6	123.4E6	440.132	479.658
33) L7 AR-1260-3	6.831	6.580	163.7E6	115.0E6	464.696	493.456
34) L7 AR-1260-4	7.091	7.052	138.6E6	90481968	455.433	496.892
35) L7 AR-1260-5	7.334	7.292	337.2E6	198.7E6	459.128	505.323

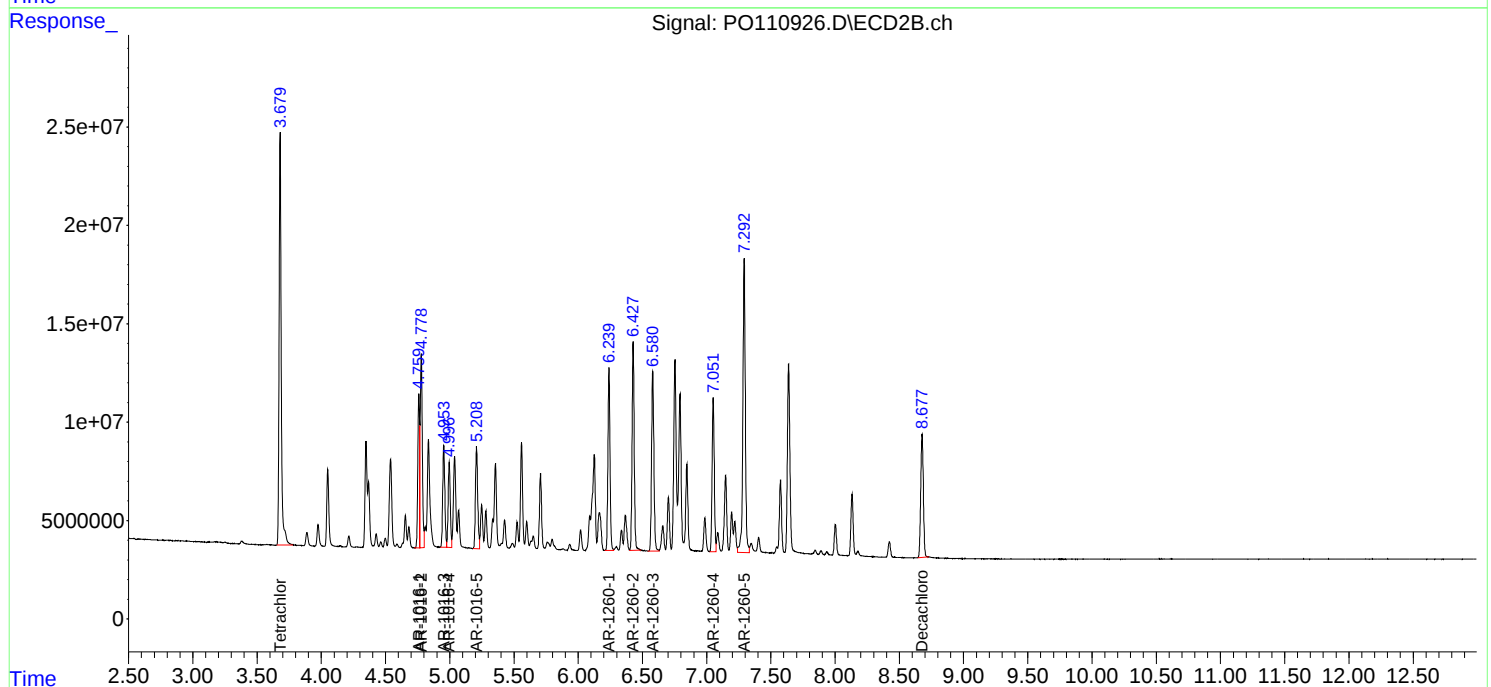
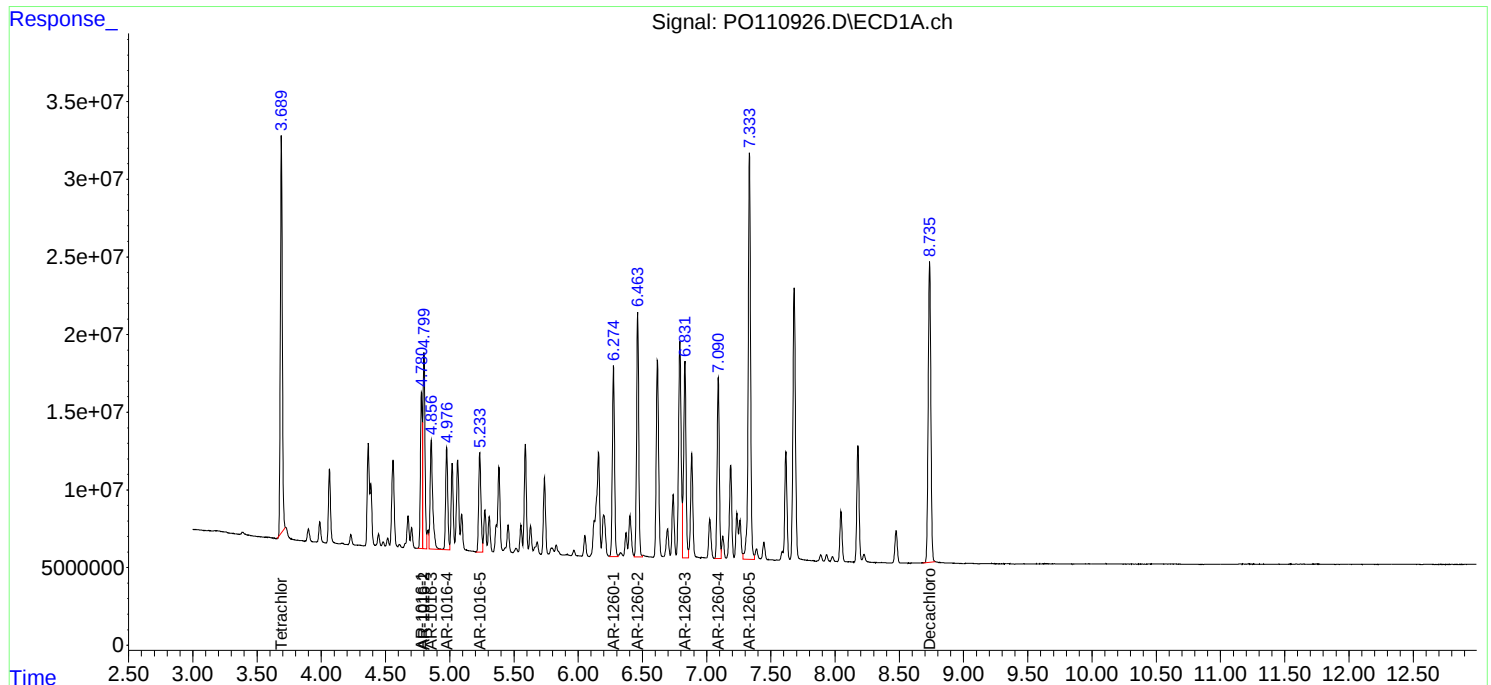
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

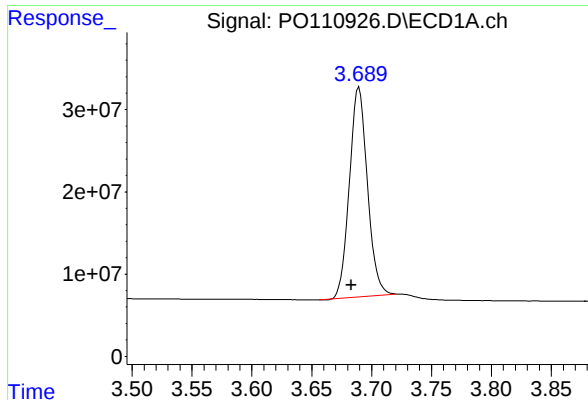
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 10:03
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 11:17:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

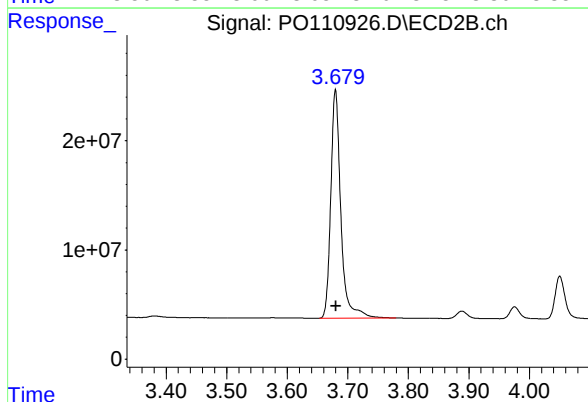




#1 Tetrachloro-m-xylene

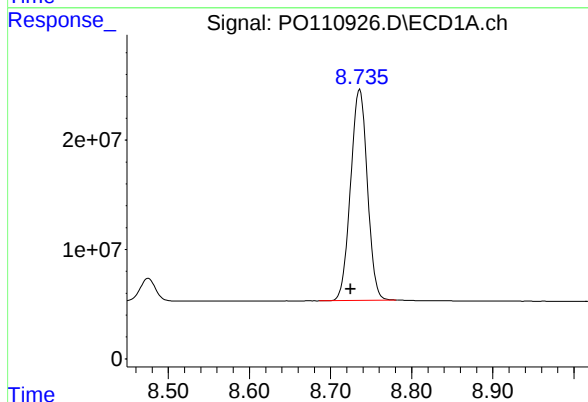
R.T.: 3.689 min
Delta R.T.: 0.006 min
Response: 266828732
Conc: 46.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



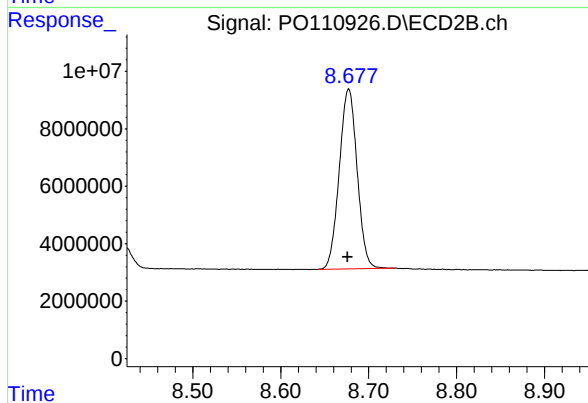
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 242212242
Conc: 50.01 ng/ml



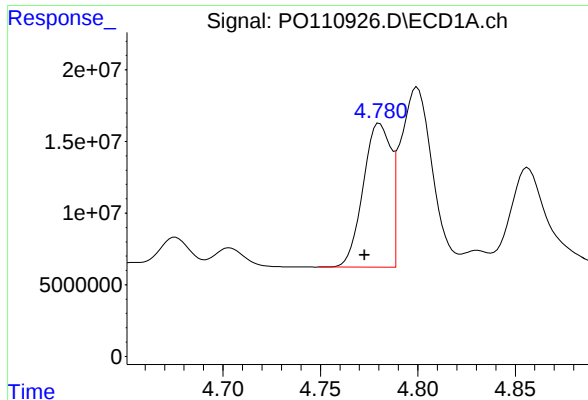
#2 Decachlorobiphenyl

R.T.: 8.736 min
Delta R.T.: 0.011 min
Response: 277480137
Conc: 45.47 ng/ml



#2 Decachlorobiphenyl

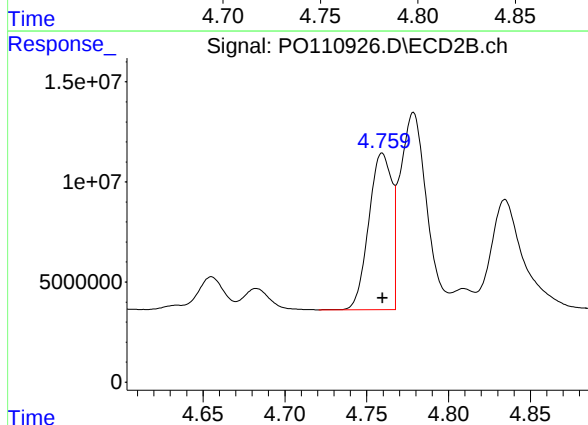
R.T.: 8.677 min
Delta R.T.: 0.001 min
Response: 88329522
Conc: 52.35 ng/ml



#3 AR-1016-1

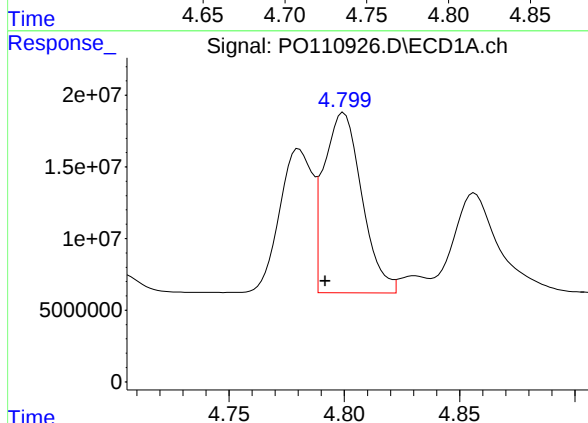
R.T.: 4.780 min
Delta R.T.: 0.008 min
Response: 99345264
Conc: 449.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



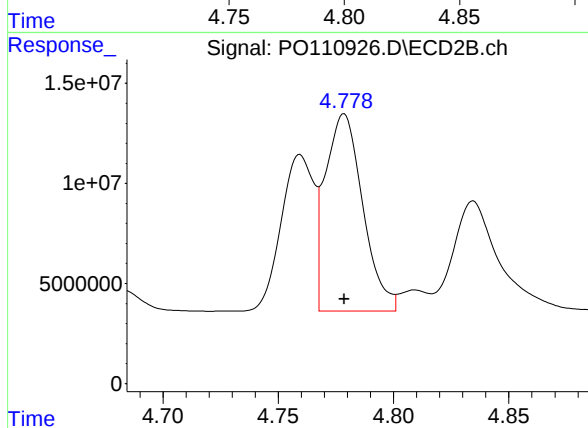
#3 AR-1016-1

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 77106413
Conc: 485.32 ng/ml



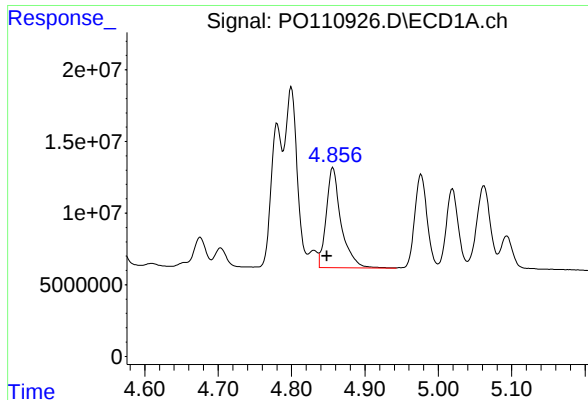
#4 AR-1016-2

R.T.: 4.800 min
Delta R.T.: 0.008 min
Response: 143409120
Conc: 462.35 ng/ml



#4 AR-1016-2

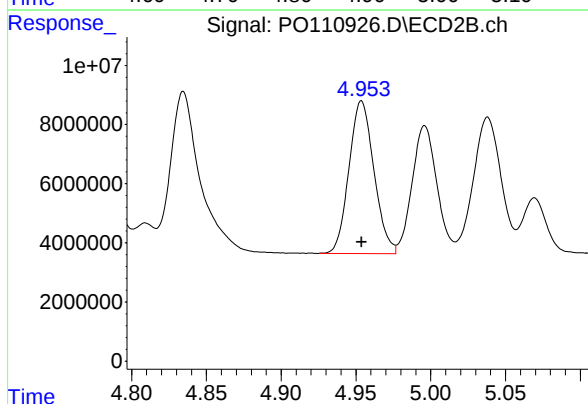
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 110952819
Conc: 485.43 ng/ml



#5 AR-1016-3

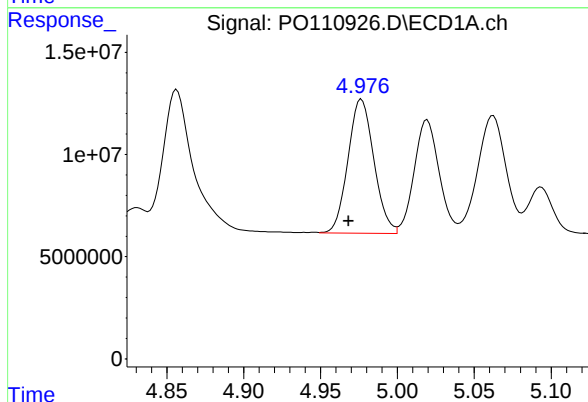
R.T.: 4.856 min
Delta R.T.: 0.008 min
Response: 98673355
Conc: 431.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



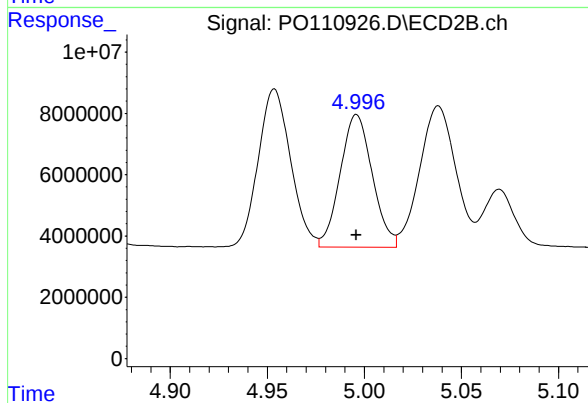
#5 AR-1016-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 59884080
Conc: 491.11 ng/ml



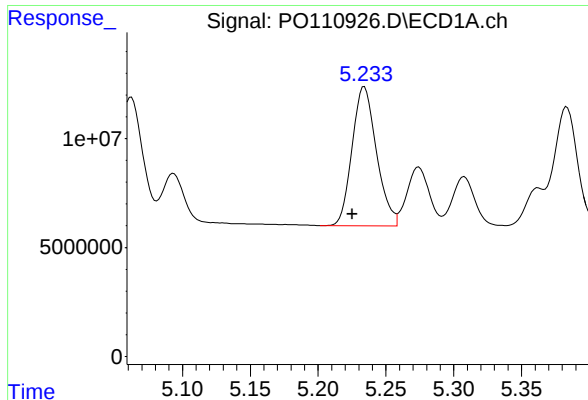
#6 AR-1016-4

R.T.: 4.976 min
Delta R.T.: 0.008 min
Response: 76845114
Conc: 459.62 ng/ml



#6 AR-1016-4

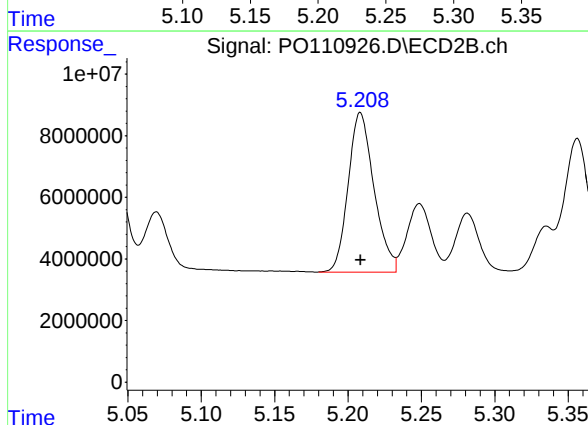
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 49833709
Conc: 494.57 ng/ml



#7 AR-1016-5

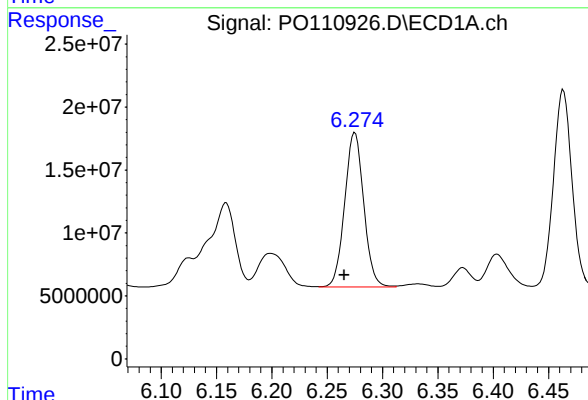
R.T.: 5.234 min
Delta R.T.: 0.009 min
Response: 80098638
Conc: 449.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



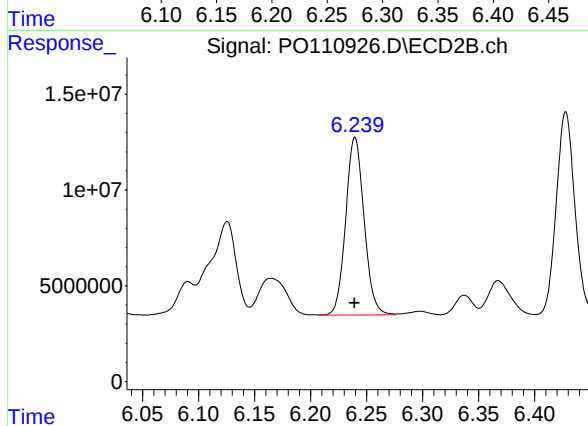
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 63476974
Conc: 483.07 ng/ml



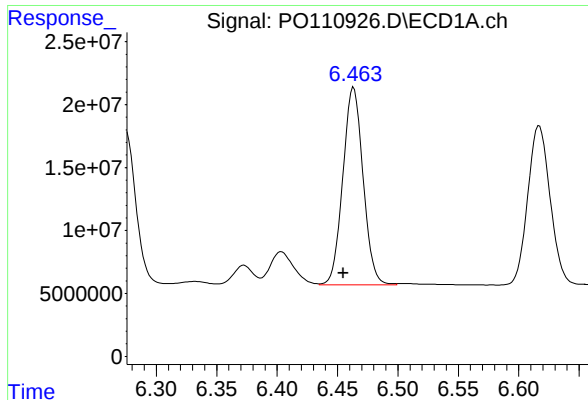
#31 AR-1260-1

R.T.: 6.275 min
Delta R.T.: 0.010 min
Response: 146997602
Conc: 441.93 ng/ml



#31 AR-1260-1

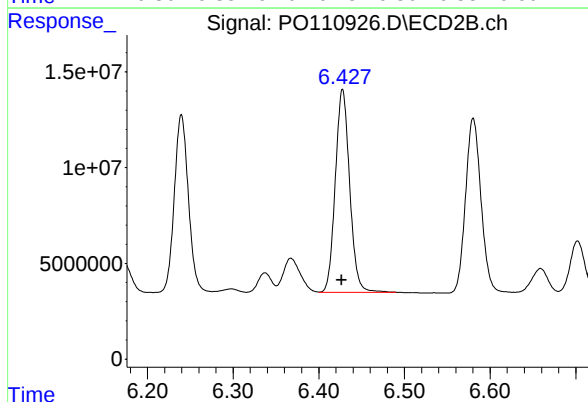
R.T.: 6.240 min
Delta R.T.: 0.000 min
Response: 106060993
Conc: 480.42 ng/ml



#32 AR-1260-2

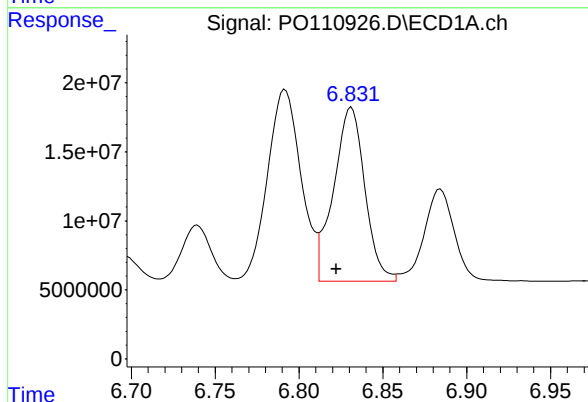
R.T.: 6.463 min
Delta R.T.: 0.008 min
Response: 182572492
Conc: 440.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



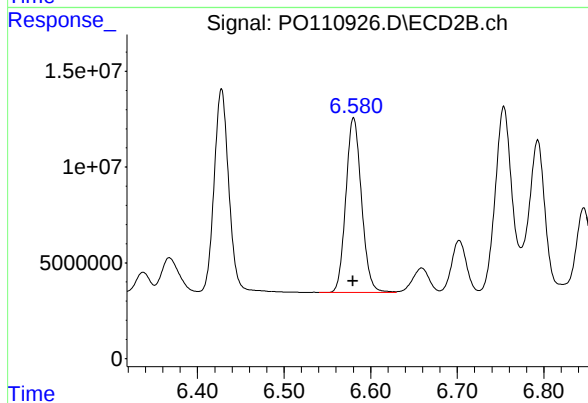
#32 AR-1260-2

R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 123381591
Conc: 479.66 ng/ml



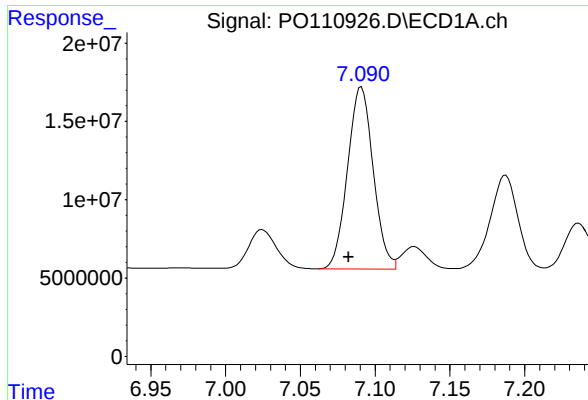
#33 AR-1260-3

R.T.: 6.831 min
Delta R.T.: 0.009 min
Response: 163696724
Conc: 464.70 ng/ml



#33 AR-1260-3

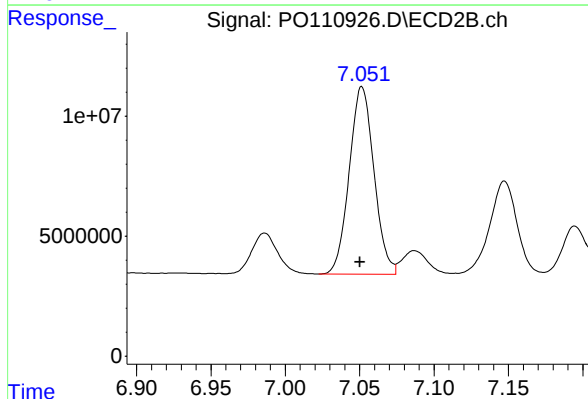
R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 115046067
Conc: 493.46 ng/ml



#34 AR-1260-4

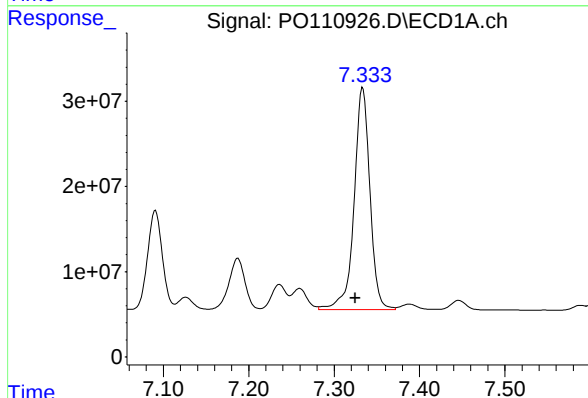
R.T.: 7.091 min
Delta R.T.: 0.008 min
Response: 138559239
Conc: 455.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



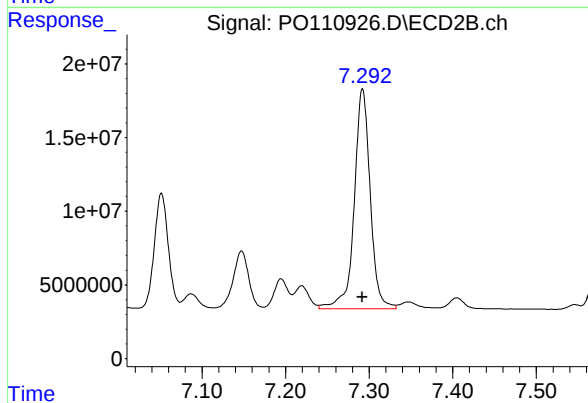
#34 AR-1260-4

R.T.: 7.052 min
Delta R.T.: 0.001 min
Response: 90481968
Conc: 496.89 ng/ml



#35 AR-1260-5

R.T.: 7.334 min
Delta R.T.: 0.009 min
Response: 337177015
Conc: 459.13 ng/ml



#35 AR-1260-5

R.T.: 7.292 min
Delta R.T.: 0.000 min
Response: 198689765
Conc: 505.32 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 05/02/2025 05/02/2025

Continuing Calib Time: 17:07 Initial Calibration Time(s): 09:45 18:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
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)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	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: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 05/02/2025 05/02/2025

Continuing Calib Time: 17:07 Initial Calibration Time(s): 09:45 18:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/02/2025 05/02/2025

Client Sample No.: CCAL02 Date Analyzed: 05/05/2025

Lab Sample No.: AR1660CCC500 Data File : PO110941.D Time Analyzed: 17:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.774	4.673	4.873	433.660	500.000	-13.3
Aroclor-1016-2	4.793	4.692	4.892	450.100	500.000	-10.0
Aroclor-1016-3	4.850	4.748	4.948	414.720	500.000	-17.1
Aroclor-1016-4	4.970	4.868	5.068	443.310	500.000	-11.3
Aroclor-1016-5	5.227	5.125	5.325	493.700	500.000	-1.3
Aroclor-1260-1	6.267	6.165	6.365	430.420	500.000	-13.9
Aroclor-1260-2	6.456	6.355	6.555	434.950	500.000	-13.0
Aroclor-1260-3	6.823	6.722	6.922	448.030	500.000	-10.4
Aroclor-1260-4	7.084	6.982	7.182	436.580	500.000	-12.7
Aroclor-1260-5	7.326	7.225	7.425	441.680	500.000	-11.7
Decachlorobiphenyl	8.726	8.625	8.825	42.880	50.000	-14.2
Tetrachloro-m-xylene	3.684	3.583	3.783	46.250	50.000	-7.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/02/2025 05/02/2025

Client Sample No.: CCAL02 Date Analyzed: 05/05/2025

Lab Sample No.: AR1660CCC500 Data File : PO110941.D Time Analyzed: 17:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.660	4.860	490.500	500.000	-1.9
Aroclor-1016-2	4.778	4.679	4.879	495.300	500.000	-0.9
Aroclor-1016-3	4.953	4.854	5.054	497.660	500.000	-0.5
Aroclor-1016-4	4.995	4.896	5.096	468.240	500.000	-6.4
Aroclor-1016-5	5.208	5.109	5.309	538.160	500.000	7.6
Aroclor-1260-1	6.238	6.139	6.339	487.300	500.000	-2.5
Aroclor-1260-2	6.426	6.327	6.527	485.210	500.000	-3.0
Aroclor-1260-3	6.579	6.480	6.680	488.250	500.000	-2.4
Aroclor-1260-4	7.049	6.950	7.150	483.810	500.000	-3.2
Aroclor-1260-5	7.290	7.192	7.392	489.070	500.000	-2.2
Decachlorobiphenyl	8.675	8.576	8.776	49.190	50.000	-1.6
Tetrachloro-m-xylene	3.680	3.580	3.780	50.860	50.000	1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050525\
 Data File : PO110941.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 17:07
 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: May 05 18:29:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.684	3.680	264.6E6	246.3E6	46.253	50.863
2) SA Decachlor...	8.726	8.675	261.7E6	82997463	42.878	49.191
Target Compounds						
3) L1 AR-1016-1	4.774	4.759	95844861	77928590	433.659	490.495
4) L1 AR-1016-2	4.793	4.778	139.6E6	113.2E6	450.104	495.298
5) L1 AR-1016-3	4.850	4.953	94846188	60682270	414.715	497.656
6) L1 AR-1016-4	4.970	4.995	74117656	47180200	443.307	468.239
7) L1 AR-1016-5	5.227	5.208	87922854	70715306	493.702	538.157
31) L7 AR-1260-1	6.267	6.238	143.2E6	107.6E6	430.416	487.301
32) L7 AR-1260-2	6.456	6.426	180.4E6	124.8E6	434.946	485.209
33) L7 AR-1260-3	6.823	6.579	157.8E6	113.8E6	448.029	488.254
34) L7 AR-1260-4	7.084	7.049	132.8E6	88098904	436.580	483.805
35) L7 AR-1260-5	7.326	7.290	324.4E6	192.3E6	441.677	489.066

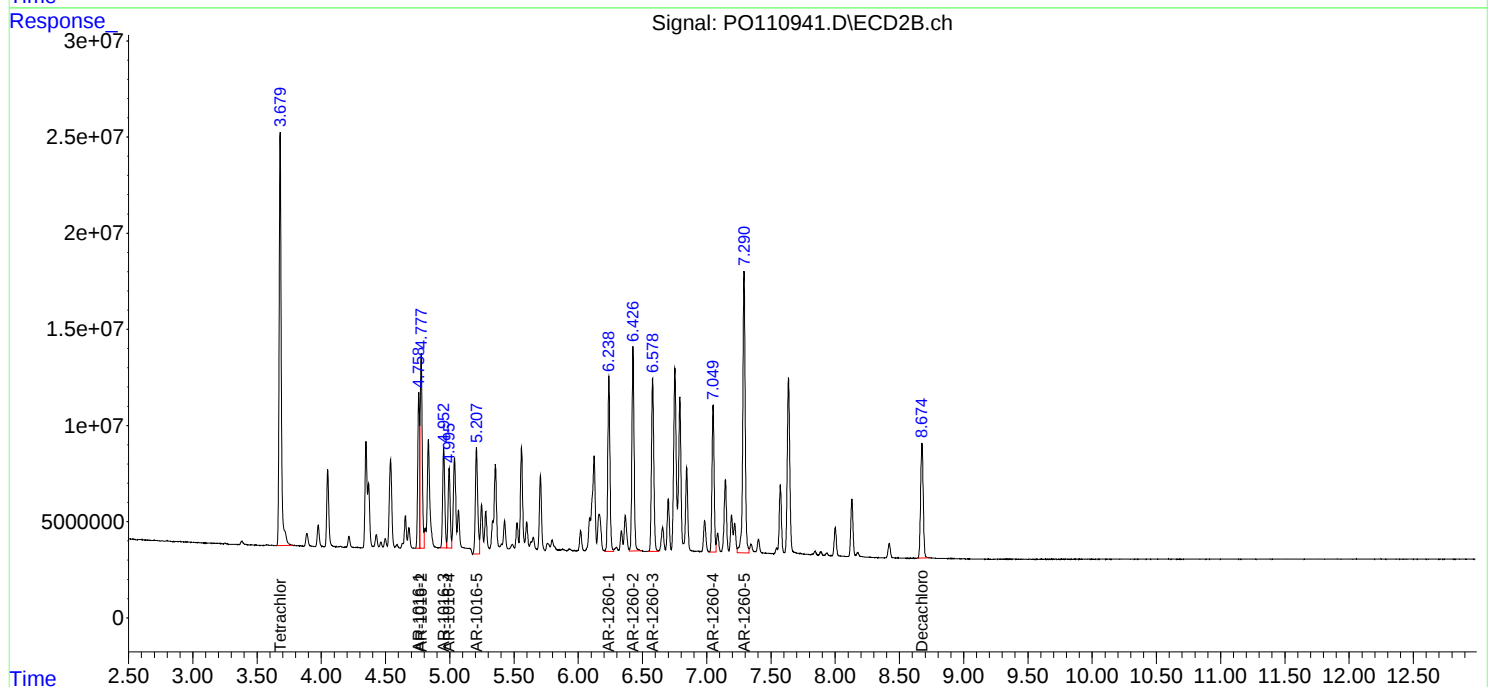
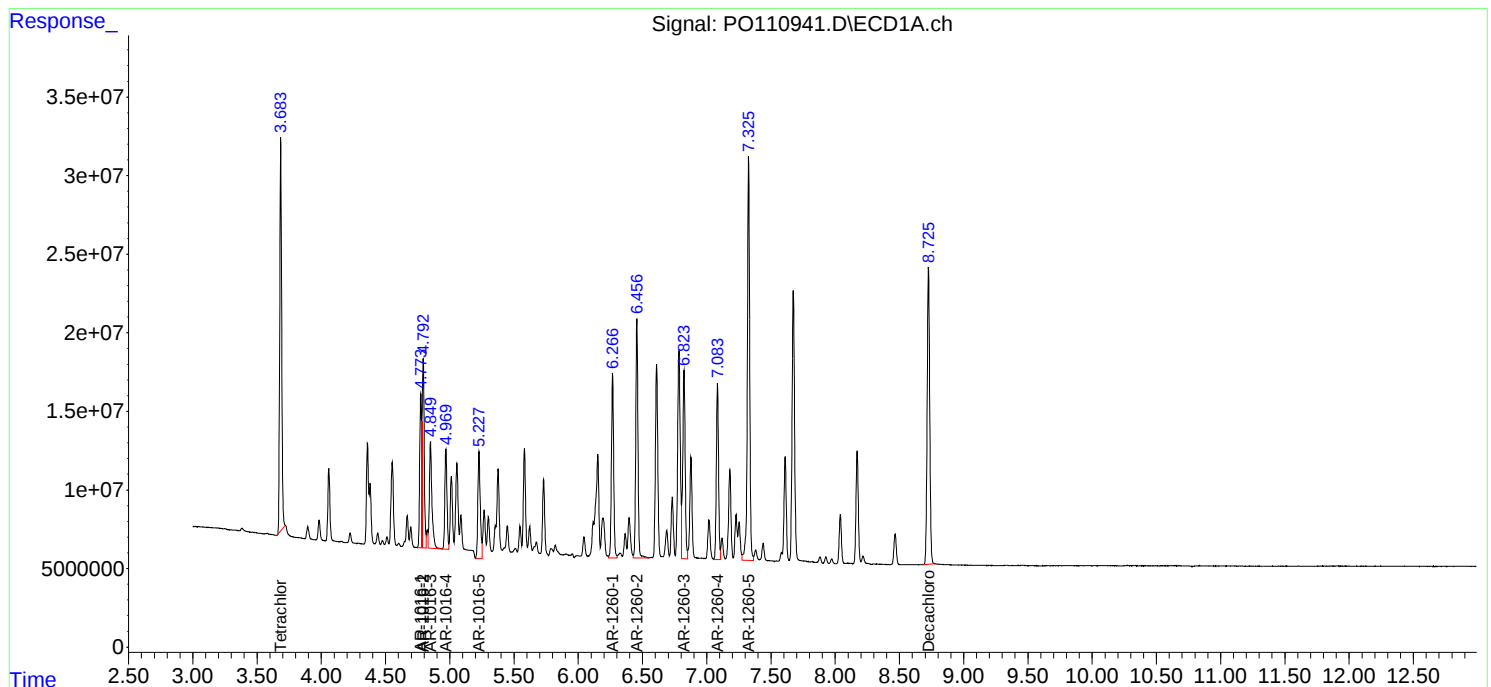
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

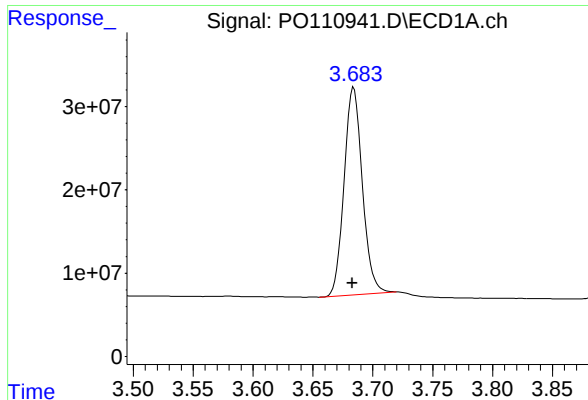
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 17:07
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 18:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

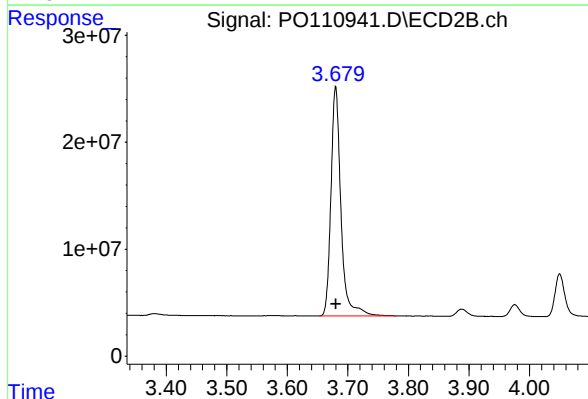




#1 Tetrachloro-m-xylene

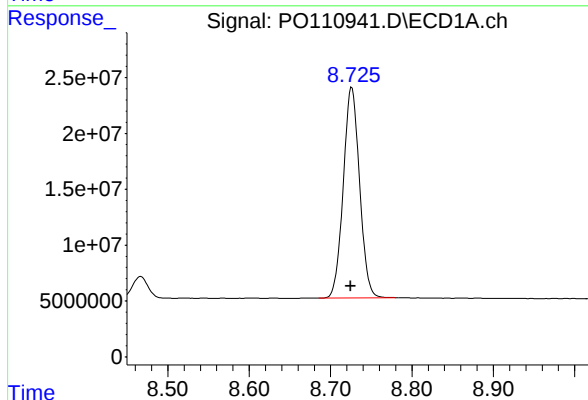
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 264604815
Conc: 46.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



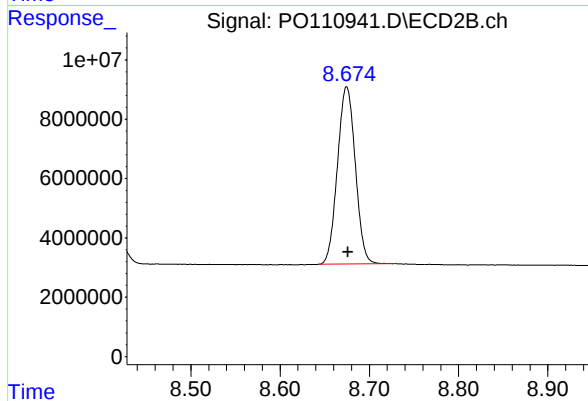
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 246336399
Conc: 50.86 ng/ml



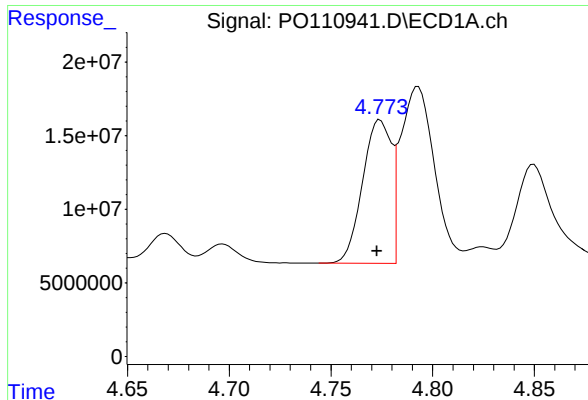
#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.001 min
Response: 261662398
Conc: 42.88 ng/ml



#2 Decachlorobiphenyl

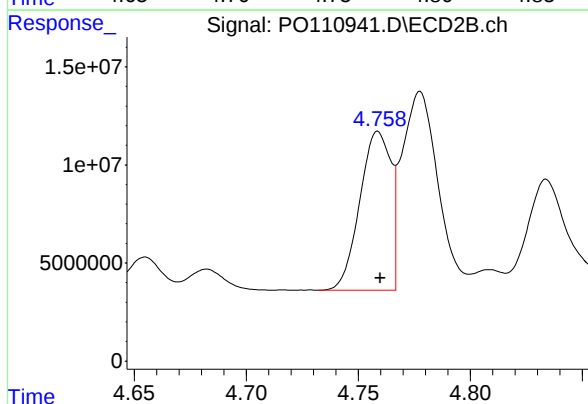
R.T.: 8.675 min
Delta R.T.: -0.001 min
Response: 82997463
Conc: 49.19 ng/ml



#3 AR-1016-1

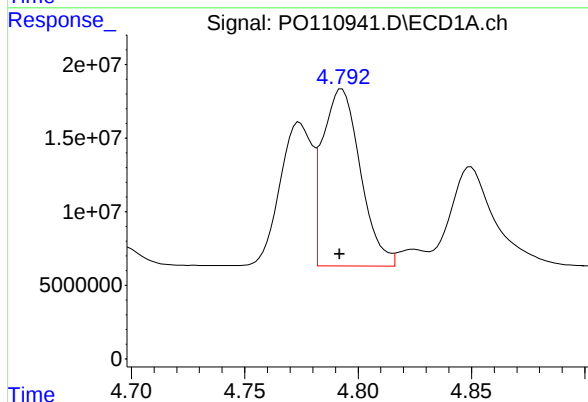
R.T.: 4.774 min
Delta R.T.: 0.001 min
Response: 95844861
Conc: 433.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



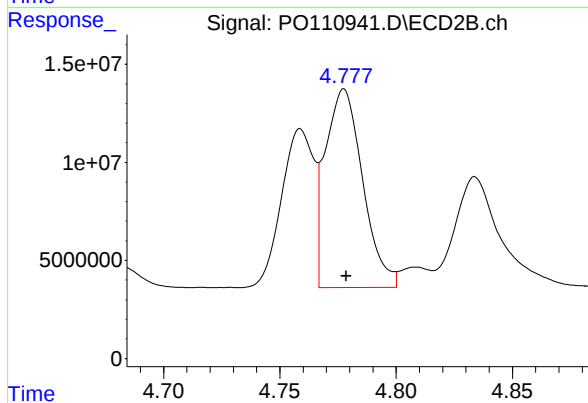
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 77928590
Conc: 490.50 ng/ml



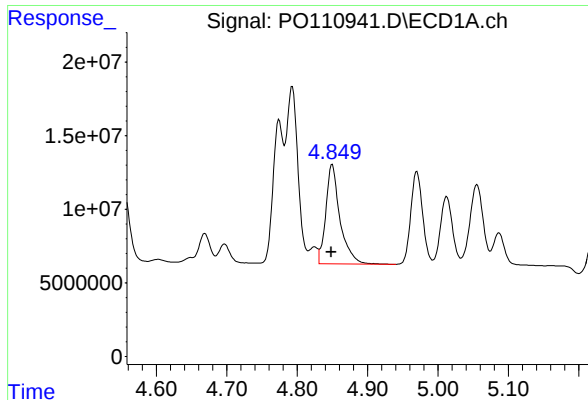
#4 AR-1016-2

R.T.: 4.793 min
Delta R.T.: 0.001 min
Response: 139609652
Conc: 450.10 ng/ml



#4 AR-1016-2

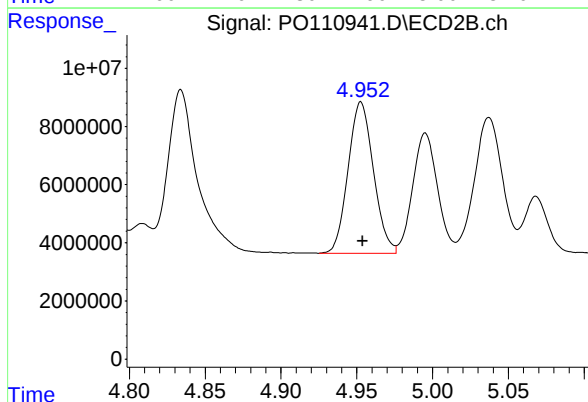
R.T.: 4.778 min
Delta R.T.: -0.001 min
Response: 113209015
Conc: 495.30 ng/ml



#5 AR-1016-3

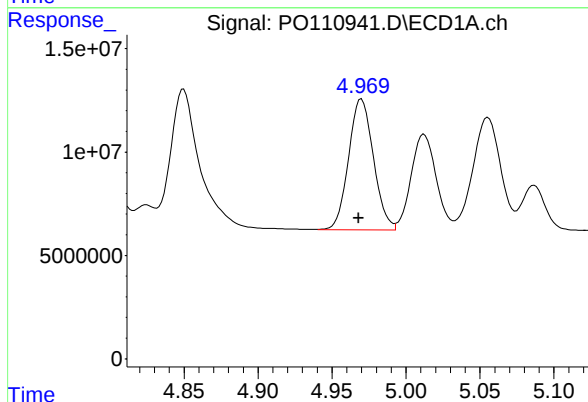
R.T.: 4.850 min
Delta R.T.: 0.001 min
Response: 94846188
Conc: 414.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



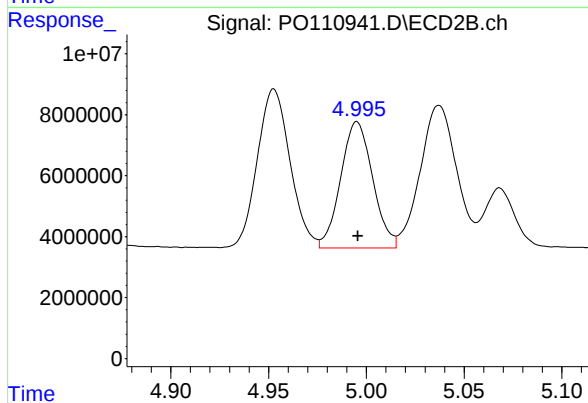
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: -0.001 min
Response: 60682270
Conc: 497.66 ng/ml



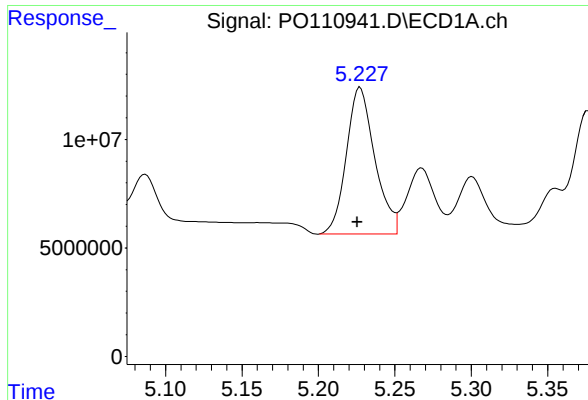
#6 AR-1016-4

R.T.: 4.970 min
Delta R.T.: 0.002 min
Response: 74117656
Conc: 443.31 ng/ml



#6 AR-1016-4

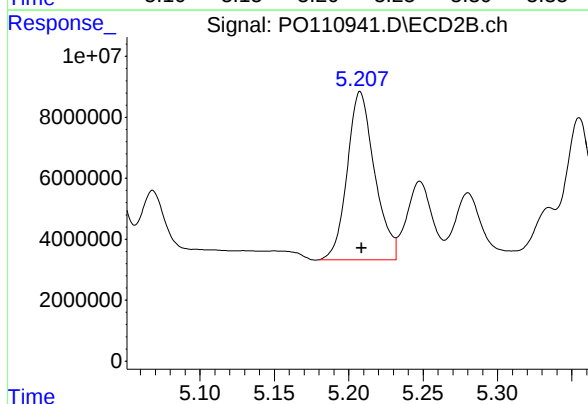
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 47180200
Conc: 468.24 ng/ml



#7 AR-1016-5

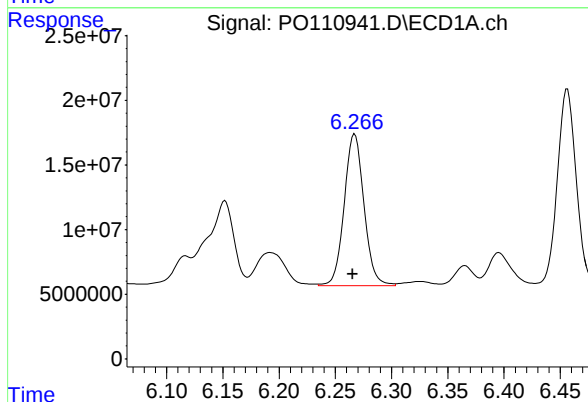
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 87922854
Conc: 493.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



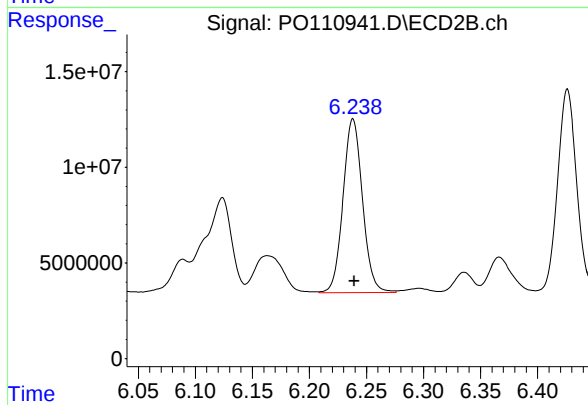
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 70715306
Conc: 538.16 ng/ml



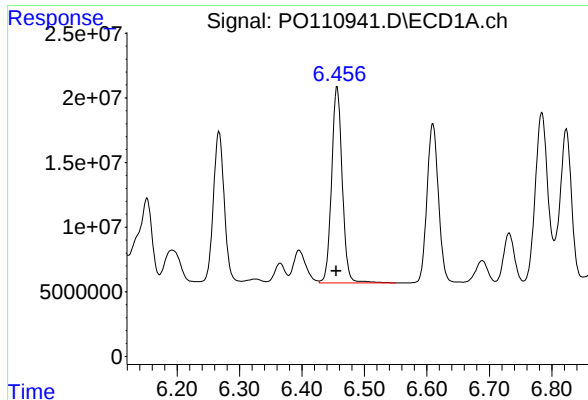
#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.002 min
Response: 143166257
Conc: 430.42 ng/ml



#31 AR-1260-1

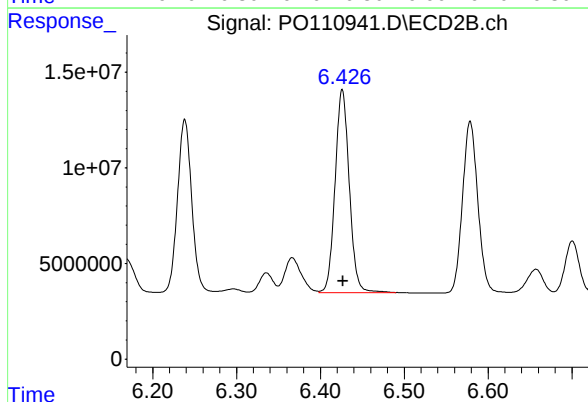
R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 107581088
Conc: 487.30 ng/ml



#32 AR-1260-2

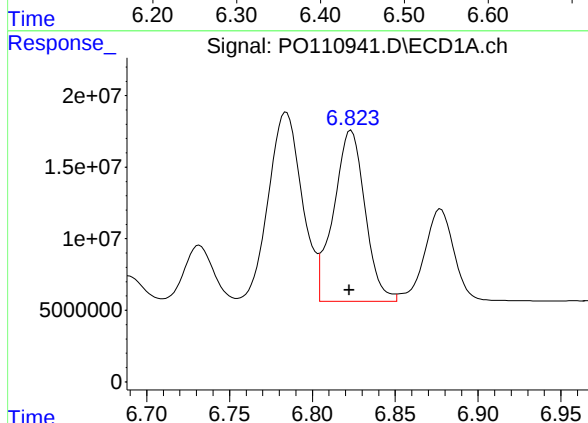
R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 180421132
Conc: 434.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



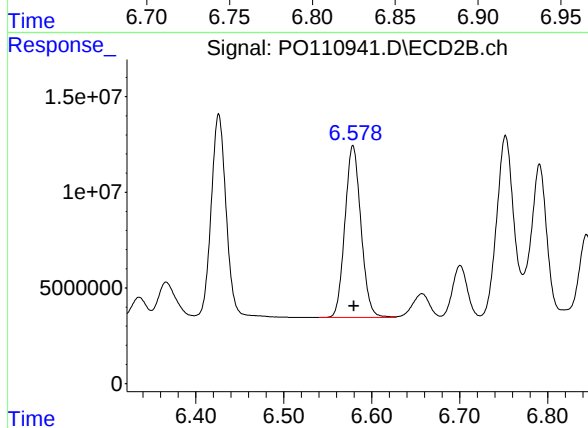
#32 AR-1260-2

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 124809484
Conc: 485.21 ng/ml



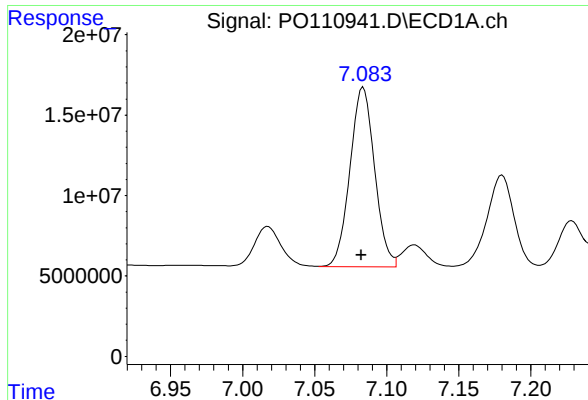
#33 AR-1260-3

R.T.: 6.823 min
Delta R.T.: 0.001 min
Response: 157825432
Conc: 448.03 ng/ml



#33 AR-1260-3

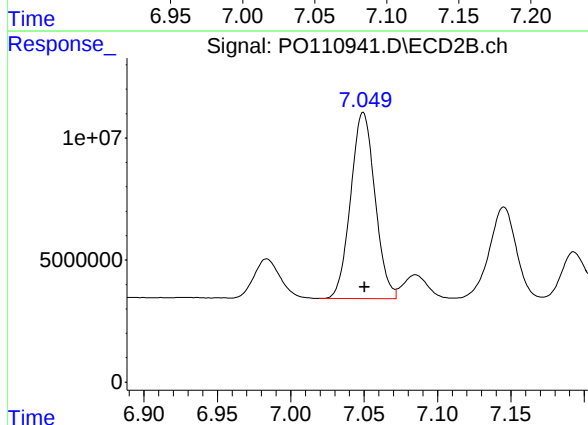
R.T.: 6.579 min
Delta R.T.: -0.001 min
Response: 113833424
Conc: 488.25 ng/ml



#34 AR-1260-4

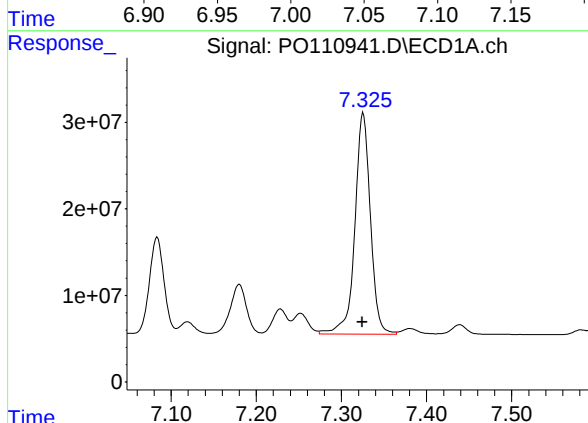
R.T.: 7.084 min
Delta R.T.: 0.001 min
Response: 132823397
Conc: 436.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



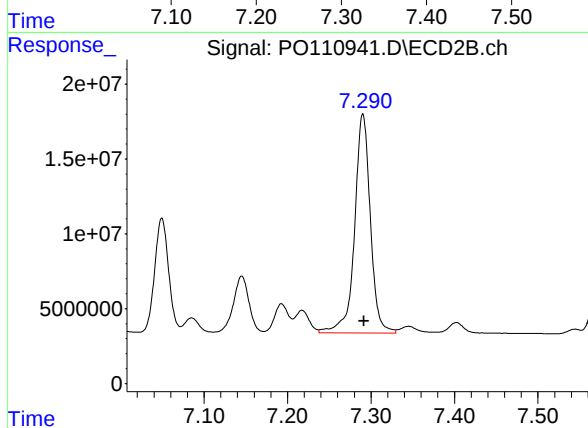
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 88098904
Conc: 483.81 ng/ml



#35 AR-1260-5

R.T.: 7.326 min
Delta R.T.: 0.000 min
Response: 324361676
Conc: 441.68 ng/ml



#35 AR-1260-5

R.T.: 7.290 min
Delta R.T.: -0.001 min
Response: 192297525
Conc: 489.07 ng/ml

Analytical Sequence

Client: Saxton Falls Sand and Gravel Co. Inc.

SDG No.: Q1936

Project: Stan Hope

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/02/2025 05/02/2025

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	05/02/2025	09:27	PO110891.D	8.73	3.69
AR1660ICC1000	AR1660ICC1000	05/02/2025	09:45	PO110892.D	8.73	3.69
AR1660ICC750	AR1660ICC750	05/02/2025	10:04	PO110893.D	8.73	3.69
AR1660ICC500	AR1660ICC500	05/02/2025	10:21	PO110894.D	8.73	3.68
AR1660ICC250	AR1660ICC250	05/02/2025	10:39	PO110895.D	8.73	3.69
AR1660ICC050	AR1660ICC050	05/02/2025	10:58	PO110896.D	8.73	3.68
AR1221ICC500	AR1221ICC500	05/02/2025	11:16	PO110897.D	8.73	3.69
AR1232ICC500	AR1232ICC500	05/02/2025	11:34	PO110898.D	8.73	3.69
AR1242ICC1000	AR1242ICC1000	05/02/2025	11:53	PO110899.D	8.73	3.69
AR1242ICC750	AR1242ICC750	05/02/2025	12:11	PO110900.D	8.73	3.69
AR1242ICC500	AR1242ICC500	05/02/2025	12:29	PO110901.D	8.73	3.69
AR1242ICC250	AR1242ICC250	05/02/2025	12:48	PO110902.D	8.73	3.69
AR1242ICC050	AR1242ICC050	05/02/2025	13:06	PO110903.D	8.73	3.69
AR1248ICC1000	AR1248ICC1000	05/02/2025	13:25	PO110904.D	8.73	3.69
AR1248ICC750	AR1248ICC750	05/02/2025	13:43	PO110905.D	8.73	3.69
AR1248ICC500	AR1248ICC500	05/02/2025	14:00	PO110906.D	8.73	3.68
AR1248ICC250	AR1248ICC250	05/02/2025	14:35	PO110907.D	8.73	3.68
AR1248ICC050	AR1248ICC050	05/02/2025	14:53	PO110908.D	8.73	3.68
AR1254ICC1000	AR1254ICC1000	05/02/2025	15:12	PO110909.D	8.73	3.69
AR1254ICC750	AR1254ICC750	05/02/2025	15:30	PO110910.D	8.73	3.69
AR1254ICC500	AR1254ICC500	05/02/2025	15:48	PO110911.D	8.73	3.68
AR1254ICC250	AR1254ICC250	05/02/2025	16:07	PO110912.D	8.73	3.68
AR1254ICC050	AR1254ICC050	05/02/2025	16:25	PO110913.D	8.73	3.68
AR1262ICC500	AR1262ICC500	05/02/2025	17:01	PO110914.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/02/2025	17:19	PO110915.D	8.73	3.69
AR1268ICC750	AR1268ICC750	05/02/2025	17:38	PO110916.D	8.73	3.68
AR1268ICC500	AR1268ICC500	05/02/2025	17:55	PO110917.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/02/2025	18:12	PO110918.D	8.73	3.68
AR1268ICC050	AR1268ICC050	05/02/2025	18:29	PO110919.D	8.73	3.68
AR1660CCC500	AR1660CCC500	05/05/2025	10:03	PO110926.D	8.74	3.69
IBLK	IBLK	05/05/2025	11:16	PO110930.D	8.73	3.69
PB167853BL	PB167853BL	05/05/2025	13:09	PO110931.D	8.73	3.68
PB167853BS	PB167853BS	05/05/2025	13:27	PO110932.D	8.73	3.68
SMALL-PILE-A	Q1936-01	05/05/2025	13:45	PO110933.D	8.73	3.68
SMALL-PILE-AMS	Q1936-01MS	05/05/2025	14:04	PO110934.D	8.73	3.68
SMALL-PILE-AMSD	Q1936-01MSD	05/05/2025	14:22	PO110935.D	8.73	3.68
SMALL-PILE-B	Q1936-03	05/05/2025	14:40	PO110936.D	8.73	3.68
SMALL-PILE-C	Q1936-05	05/05/2025	14:59	PO110937.D	8.73	3.68
SMALL-PILE-D	Q1936-07	05/05/2025	15:17	PO110938.D	8.72	3.68
AR1660CCC500	AR1660CCC500	05/05/2025	17:07	PO110941.D	8.73	3.68
IBLK	IBLK	05/05/2025	18:39	PO110945.D	8.72	3.68

Analytical Sequence

Analytical Sequence

Client: Saxton Falls Sand and Gravel Co. Inc.

SDG No.: Q1936

Project: Stan Hope

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/02/2025

05/02/2025

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	05/02/2025	09:27	PO110891.D	8.68	3.68
AR1660ICC1000	AR1660ICC1000	05/02/2025	09:45	PO110892.D	8.68	3.68
AR1660ICC750	AR1660ICC750	05/02/2025	10:04	PO110893.D	8.68	3.68
AR1660ICC500	AR1660ICC500	05/02/2025	10:21	PO110894.D	8.68	3.68
AR1660ICC250	AR1660ICC250	05/02/2025	10:39	PO110895.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/02/2025	10:58	PO110896.D	8.68	3.68
AR1221ICC500	AR1221ICC500	05/02/2025	11:16	PO110897.D	8.68	3.68
AR1232ICC500	AR1232ICC500	05/02/2025	11:34	PO110898.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/02/2025	11:53	PO110899.D	8.68	3.68
AR1242ICC750	AR1242ICC750	05/02/2025	12:11	PO110900.D	8.68	3.68
AR1242ICC500	AR1242ICC500	05/02/2025	12:29	PO110901.D	8.68	3.68
AR1242ICC250	AR1242ICC250	05/02/2025	12:48	PO110902.D	8.68	3.68
AR1242ICC050	AR1242ICC050	05/02/2025	13:06	PO110903.D	8.68	3.68
AR1248ICC1000	AR1248ICC1000	05/02/2025	13:25	PO110904.D	8.68	3.68
AR1248ICC750	AR1248ICC750	05/02/2025	13:43	PO110905.D	8.68	3.68
AR1248ICC500	AR1248ICC500	05/02/2025	14:00	PO110906.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/02/2025	14:35	PO110907.D	8.68	3.68
AR1248ICC050	AR1248ICC050	05/02/2025	14:53	PO110908.D	8.68	3.68
AR1254ICC1000	AR1254ICC1000	05/02/2025	15:12	PO110909.D	8.68	3.68
AR1254ICC750	AR1254ICC750	05/02/2025	15:30	PO110910.D	8.68	3.68
AR1254ICC500	AR1254ICC500	05/02/2025	15:48	PO110911.D	8.68	3.68
AR1254ICC250	AR1254ICC250	05/02/2025	16:07	PO110912.D	8.68	3.68
AR1254ICC050	AR1254ICC050	05/02/2025	16:25	PO110913.D	8.68	3.68
AR1262ICC500	AR1262ICC500	05/02/2025	17:01	PO110914.D	8.68	3.68
AR1268ICC1000	AR1268ICC1000	05/02/2025	17:19	PO110915.D	8.68	3.68
AR1268ICC750	AR1268ICC750	05/02/2025	17:38	PO110916.D	8.68	3.68
AR1268ICC500	AR1268ICC500	05/02/2025	17:55	PO110917.D	8.68	3.68
AR1268ICC250	AR1268ICC250	05/02/2025	18:12	PO110918.D	8.68	3.68
AR1268ICC050	AR1268ICC050	05/02/2025	18:29	PO110919.D	8.68	3.68
AR1660CCC500	AR1660CCC500	05/05/2025	10:03	PO110926.D	8.68	3.68
IBLK	IBLK	05/05/2025	11:16	PO110930.D	8.67	3.68
PB167853BL	PB167853BL	05/05/2025	13:09	PO110931.D	8.67	3.68
PB167853BS	PB167853BS	05/05/2025	13:27	PO110932.D	8.67	3.68
SMALL-PILE-A	Q1936-01	05/05/2025	13:45	PO110933.D	8.67	3.68
SMALL-PILE-AMS	Q1936-01MS	05/05/2025	14:04	PO110934.D	8.67	3.68
SMALL-PILE-AMSD	Q1936-01MSD	05/05/2025	14:22	PO110935.D	8.67	3.68
SMALL-PILE-B	Q1936-03	05/05/2025	14:40	PO110936.D	8.67	3.68
SMALL-PILE-C	Q1936-05	05/05/2025	14:59	PO110937.D	8.67	3.68
SMALL-PILE-D	Q1936-07	05/05/2025	15:17	PO110938.D	8.67	3.68
AR1660CCC500	AR1660CCC500	05/05/2025	17:07	PO110941.D	8.68	3.68
IBLK	IBLK	05/05/2025	18:39	PO110945.D	8.67	3.68

Analytical Sequence

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167853BS

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Lab Sample ID: PB167853BS Date(s) Analyzed: 05/05/2025 05/05/2025

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 PO110932.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.774	4.724	4.824	138	136	8.45
COLUMN 1	2	4.793	4.743	4.843	142		
	3	4.85	4.8	4.9	131		
	4	4.97	4.92	5.02	139		
	5	5.227	5.177	5.277	132		
	1	4.759	4.709	4.809	149		
COLUMN 2	2	4.777	4.727	4.827	150	148	
	3	4.953	4.903	5.003	149		
	4	4.995	4.945	5.045	148		
	5	5.208	5.158	5.258	143		
Aroclor-1260	1	6.267	6.217	6.317	140	132	10.07
COLUMN 1	2	6.456	6.406	6.506	140		
	3	6.822	6.772	6.872	124		
	4	7.083	7.033	7.133	127		
	5	7.325	7.275	7.375	129		
	1	6.239	6.189	6.289	152		
COLUMN 2	2	6.426	6.376	6.476	150	146	
	3	6.578	6.528	6.628	156		
	4	7.049	6.999	7.099	134		
	5	7.29	7.24	7.34	136		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SMALL-PILE-AMS

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Lab Sample ID: Q1936-01MS Date(s) Analyzed: 05/05/2025 05/05/2025

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 PO110934.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.774	4.724	4.824	158	159	10.15
COLUMN 1	2	4.793	4.743	4.843	167		
	3	4.85	4.8	4.9	151		
	4	4.97	4.92	5.02	162		
	5	5.227	5.177	5.277	155		
COLUMN 2	1	4.759	4.709	4.809	176	176	
	2	4.778	4.728	4.828	179		
	3	4.953	4.903	5.003	178		
	4	4.995	4.945	5.045	176		
	5	5.208	5.158	5.258	172		
Aroclor-1260	1	6.267	6.217	6.317	156	147	11.54
COLUMN 1	2	6.456	6.406	6.506	155		
	3	6.823	6.773	6.873	140		
	4	7.083	7.033	7.133	140		
	5	7.325	7.275	7.375	142		
COLUMN 2	1	6.239	6.189	6.289	174	165	
	2	6.427	6.377	6.477	172		
	3	6.579	6.529	6.629	177		
	4	7.05	7	7.1	152		
	5	7.291	7.241	7.341	152		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SMALL-PILE-AMSD

Contract: SAXT01

Lab Code: CHEM Case No.: Q1936 SAS No.: Q1936 SDG NO.: Q1936

Lab Sample ID: Q1936-01MSD Date(s) Analyzed: 05/05/2025 05/05/2025

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 PO110935.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.774	4.724	4.824	155	156	10.91
COLUMN 1	2	4.793	4.743	4.843	162		
	3	4.85	4.8	4.9	149		
	4	4.97	4.92	5.02	158		
	5	5.227	5.177	5.277	153		
	1	4.759	4.709	4.809	175		
COLUMN 2	2	4.778	4.728	4.828	176	174	
	3	4.953	4.903	5.003	175		
	4	4.995	4.945	5.045	173		
	5	5.208	5.158	5.258	169		
Aroclor-1260	1	6.267	6.217	6.317	158	145	12.3
COLUMN 1	2	6.456	6.406	6.506	156		
	3	6.823	6.773	6.873	133		
	4	7.083	7.033	7.133	138		
	5	7.326	7.276	7.376	141		
	1	6.239	6.189	6.289	172		
COLUMN 2	2	6.426	6.376	6.476	169	164	
	3	6.579	6.529	6.629	175		
	4	7.049	6.999	7.099	150		
	5	7.29	7.24	7.34	153		



QC SAMPLE DATA

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167853BL	SDG No.:	Q1936
Lab Sample ID:	PB167853BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110931.D	1	05/05/25 08:35	05/05/25 13:09	PB167853

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
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	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	18.3		30 (32) - 150 (144)	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		30 (32) - 150 (175)	103%	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\PO050525\
 Data File : PO110931.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 13:09
 Operator : YP/AJ
 Sample : PB167853BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB167853BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 15:24:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.684	3.679	104.6E6	88201209	18.283	18.212
2) SA Decachlor...	8.726	8.674	114.9E6	34849018	18.829	20.654

Target Compounds

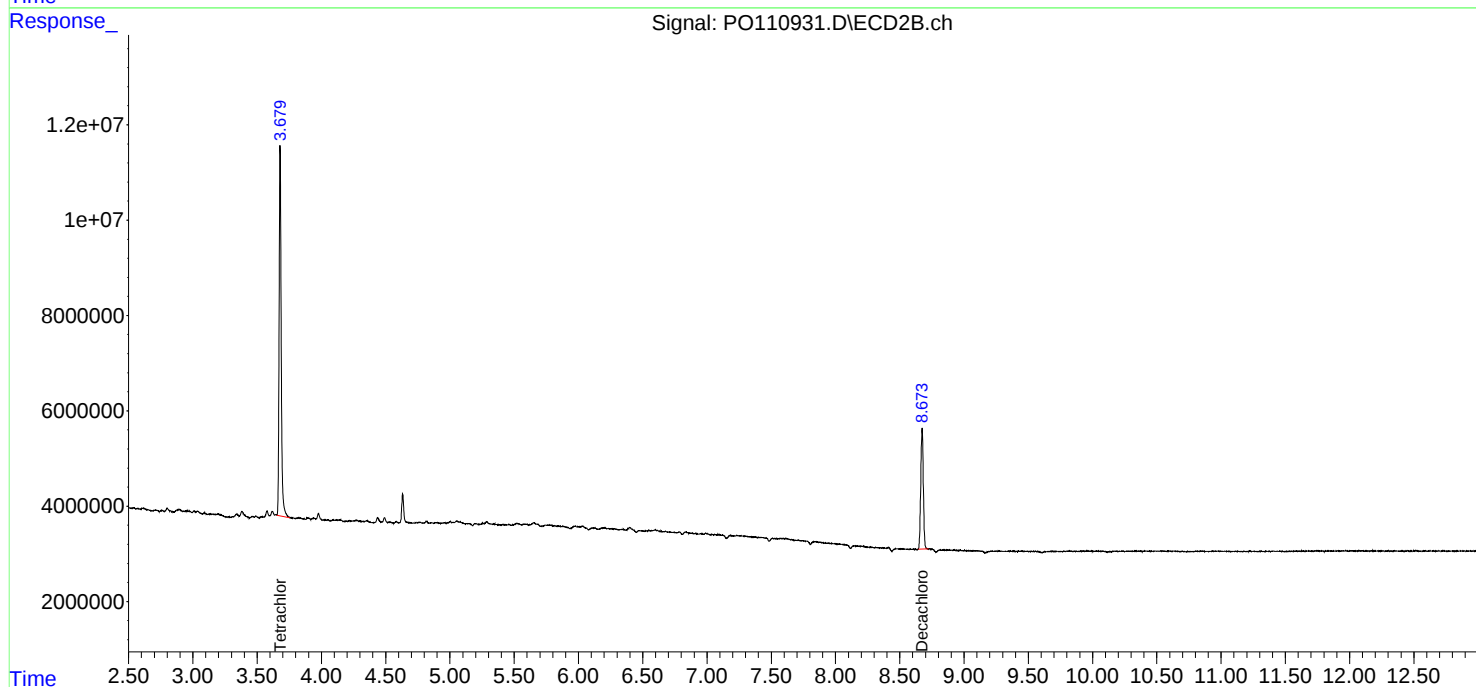
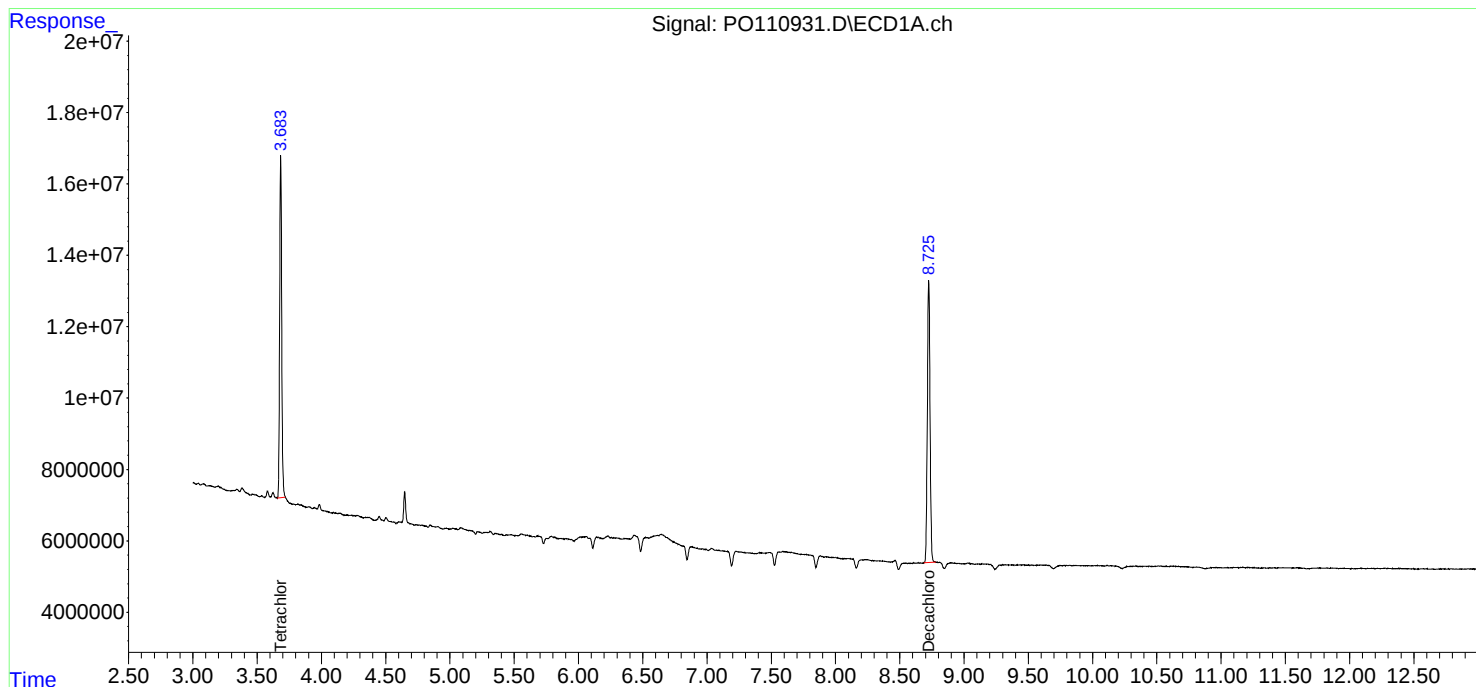
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

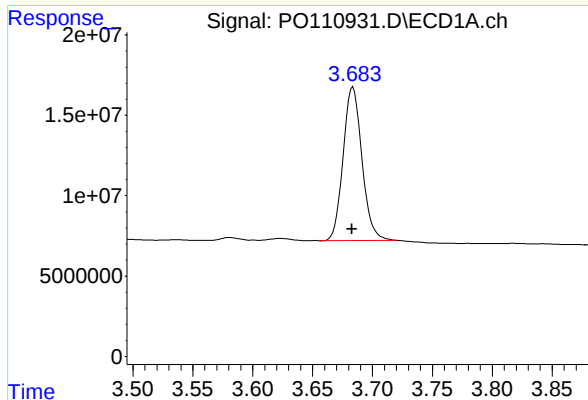
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:09
Operator : YP/AJ
Sample : PB167853BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167853BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 15:24:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

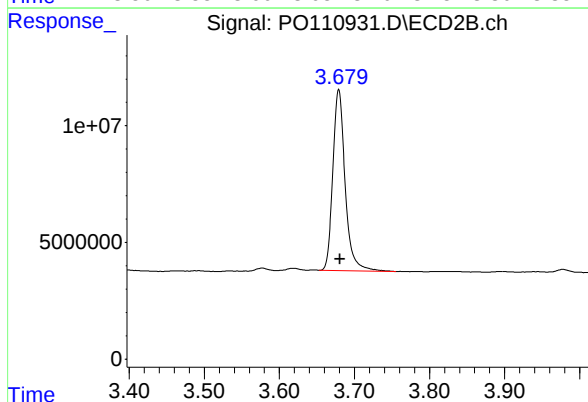




#1 Tetrachloro-m-xylene

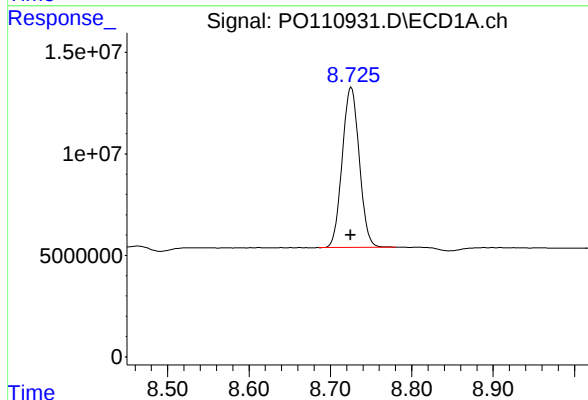
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 104591435
Conc: 18.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167853BL



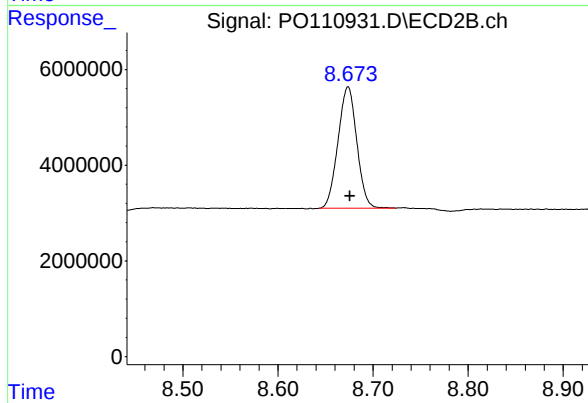
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 88201209
Conc: 18.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.000 min
Response: 114902142
Conc: 18.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 34849018
Conc: 20.65 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	05/02/25	
Project:	Stan Hope		Date Received:	05/02/25	
Client Sample ID:	PIBLK-PO110891.D		SDG No.:	Q1936	
Lab Sample ID:	I.BLK-PO110891.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110891.D	1		05/02/25	PO050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.2		70 (60) - 130 (140)	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		70 (60) - 130 (140)	90%	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\PO050225\
 Data File : PO110891.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 09:27
 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: May 02 18:58:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 18:55:21 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...	3.686	3.682	92271727	73512929	16.129	15.179
2) SA Decachlor...	8.728	8.677	110.5E6	30487090	18.111	18.069

Target Compounds

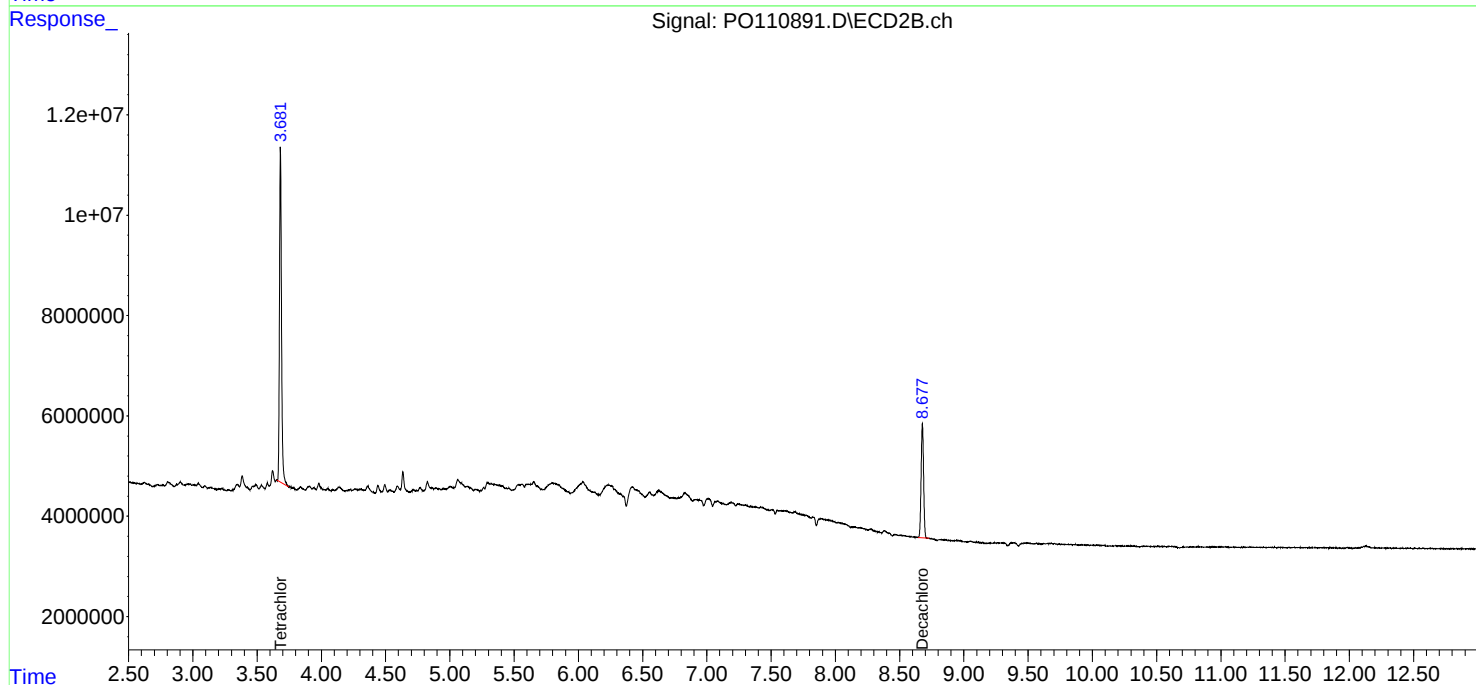
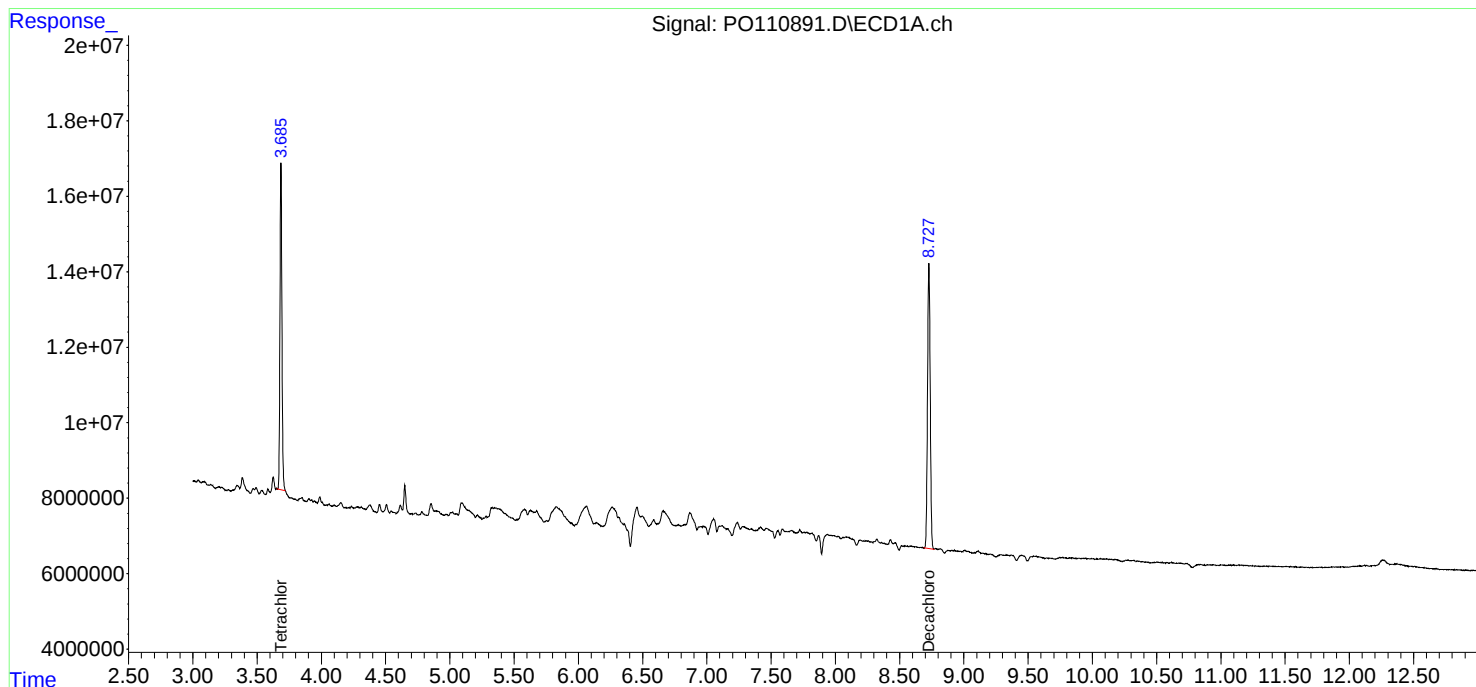
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

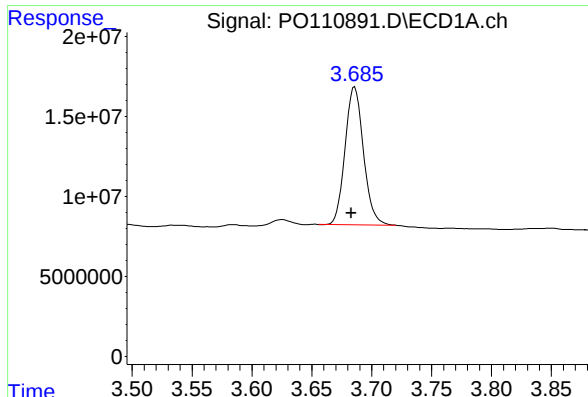
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 09:27
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:58:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:55:21 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

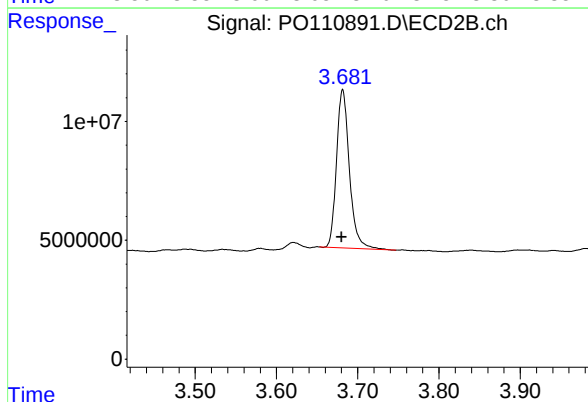




#1 Tetrachloro-m-xylene

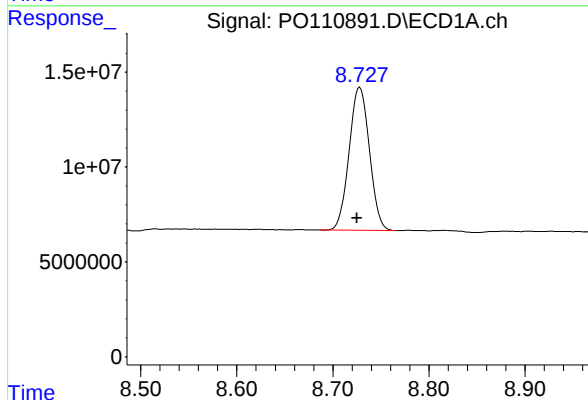
R.T.: 3.686 min
Delta R.T.: 0.003 min
Response: 92271727
Conc: 16.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



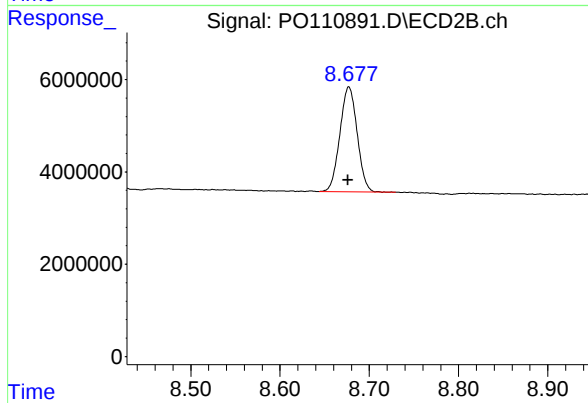
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: 0.001 min
Response: 73512929
Conc: 15.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.003 min
Response: 110520981
Conc: 18.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.677 min
Delta R.T.: 0.001 min
Response: 30487090
Conc: 18.07 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/05/25
Project:	Stan Hope	Date Received:	05/05/25
Client Sample ID:	PIBLK-PO110930.D	SDG No.:	Q1936
Lab Sample ID:	I.BLK-PO110930.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110930.D	1		05/05/25	PO050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.9		70 (60) - 130 (140)	75%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		70 (60) - 130 (140)	81%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0050525\
 Data File : PO110930.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 11:16
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 13:22:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.685	3.680	85284617	75198815	14.908	15.527
2) SA Decachlor...	8.725	8.674	98576921	30326978	16.154	17.974

Target Compounds

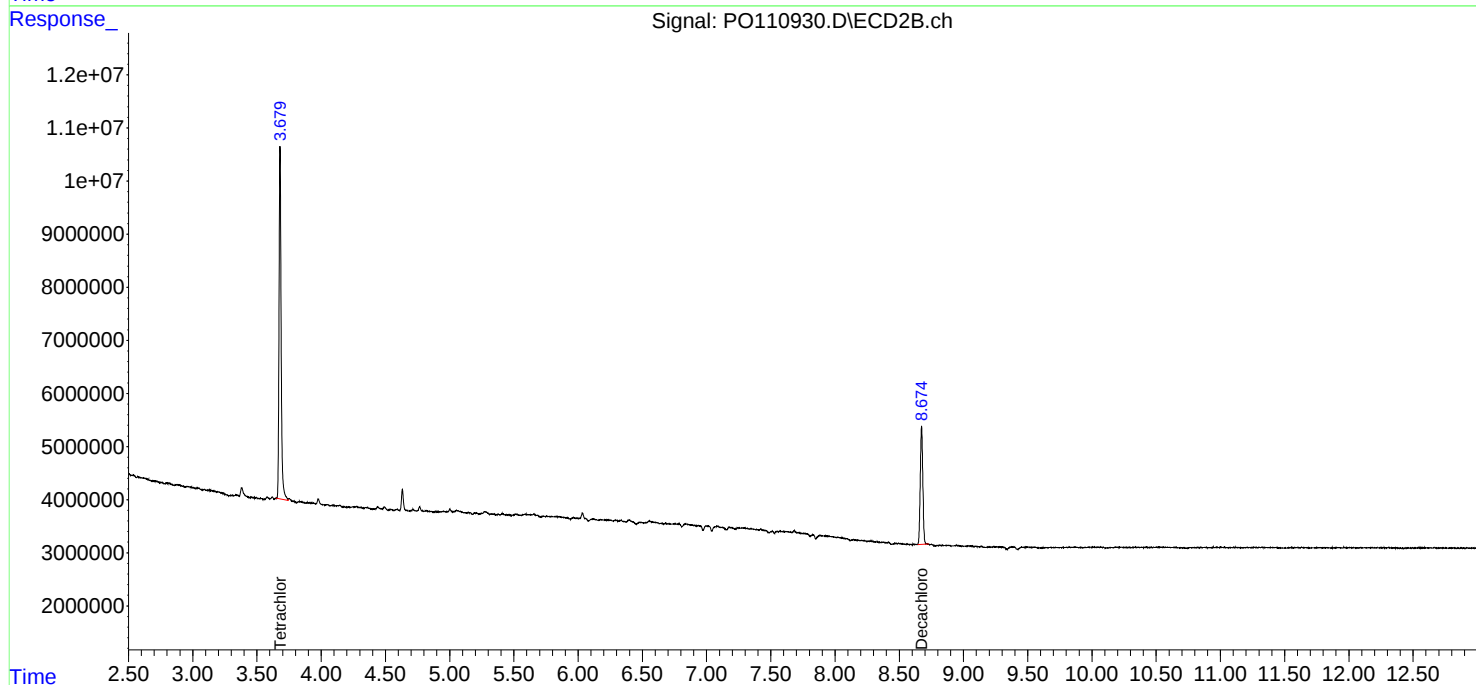
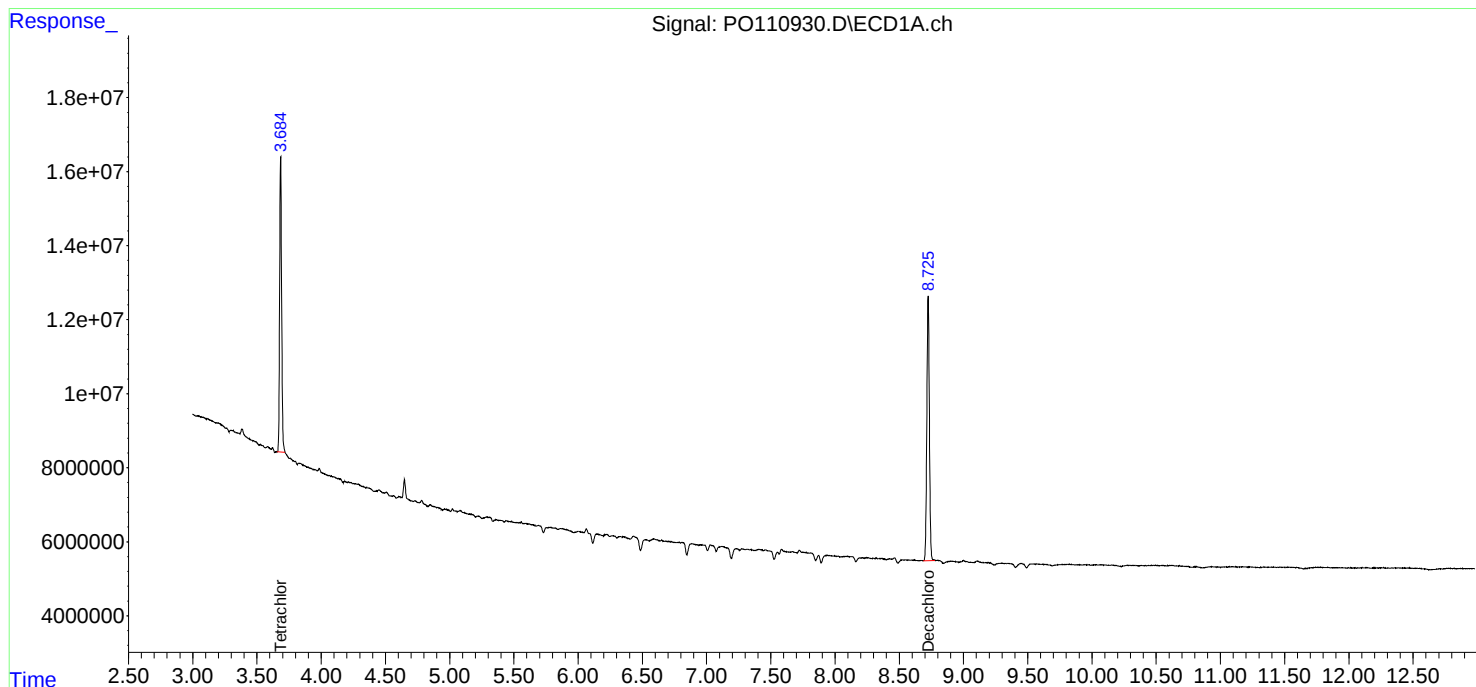
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

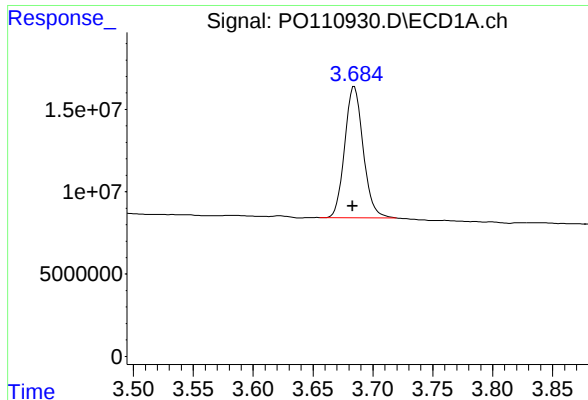
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 11:16
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 13:22:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

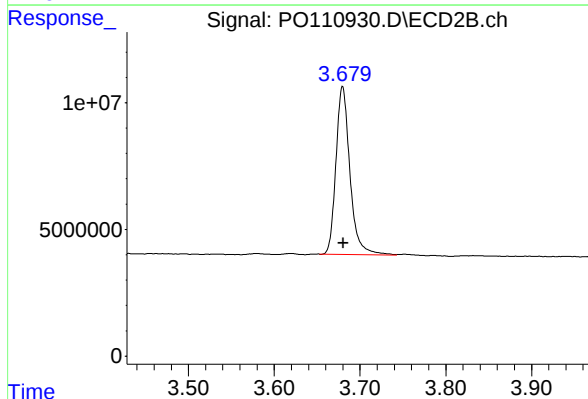




#1 Tetrachloro-m-xylene

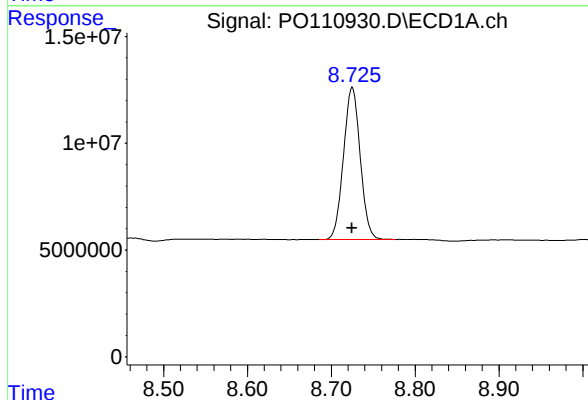
R.T.: 3.685 min
Delta R.T.: 0.002 min
Response: 85284617
Conc: 14.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



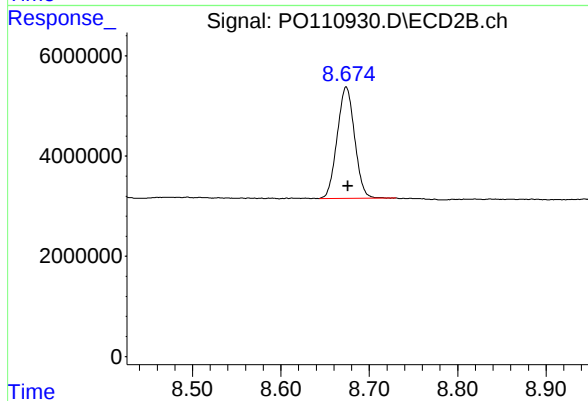
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 75198815
Conc: 15.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 98576921
Conc: 16.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 30326978
Conc: 17.97 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/05/25
Project:	Stan Hope	Date Received:	05/05/25
Client Sample ID:	PIBLK-PO110945.D	SDG No.:	Q1936
Lab Sample ID:	I.BLK-PO110945.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110945.D	1		05/05/25	PO050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.4		70 (60) - 130 (140)	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		70 (60) - 130 (140)	77%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
 Data File : PO110945.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 18:39
 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: May 06 05:21:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.684	3.679	87992926	78396164	15.381	16.187
2) SA Decachlor...	8.724	8.673	93994205	30291549	15.403	17.953

Target Compounds

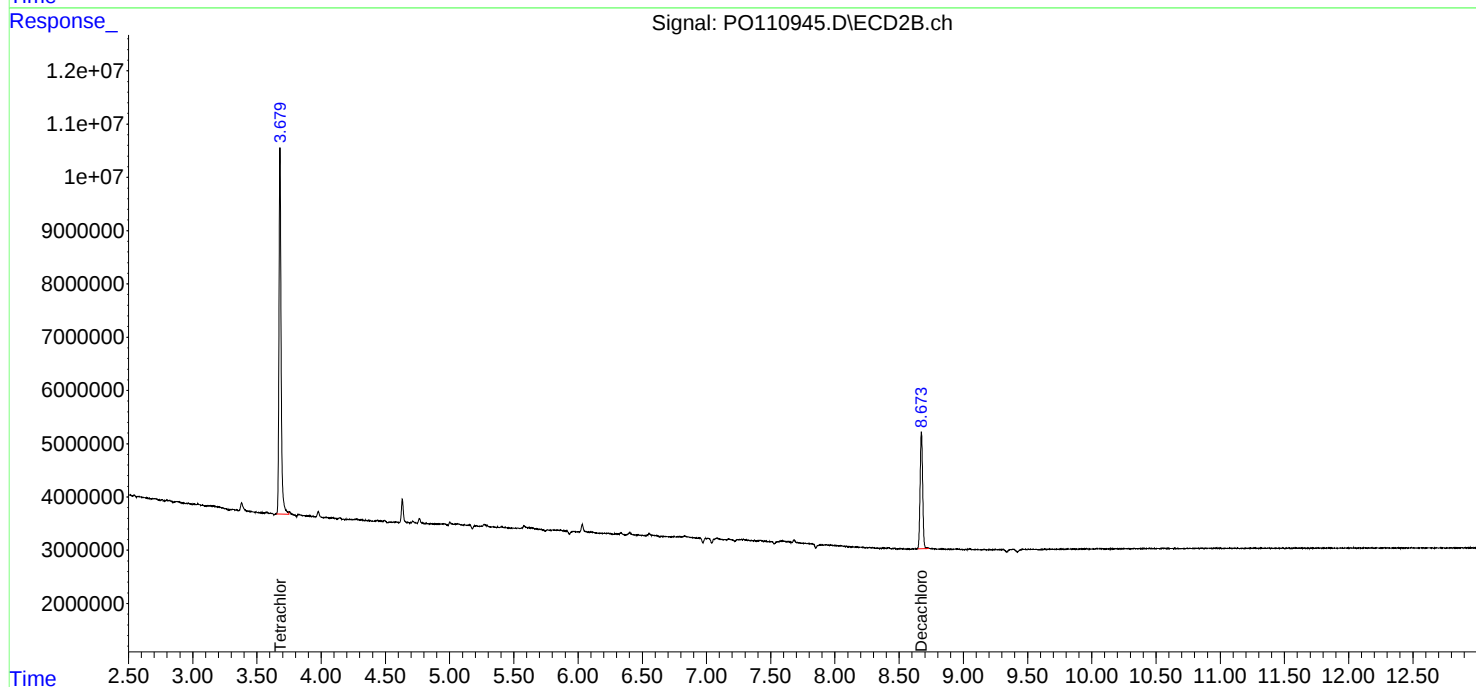
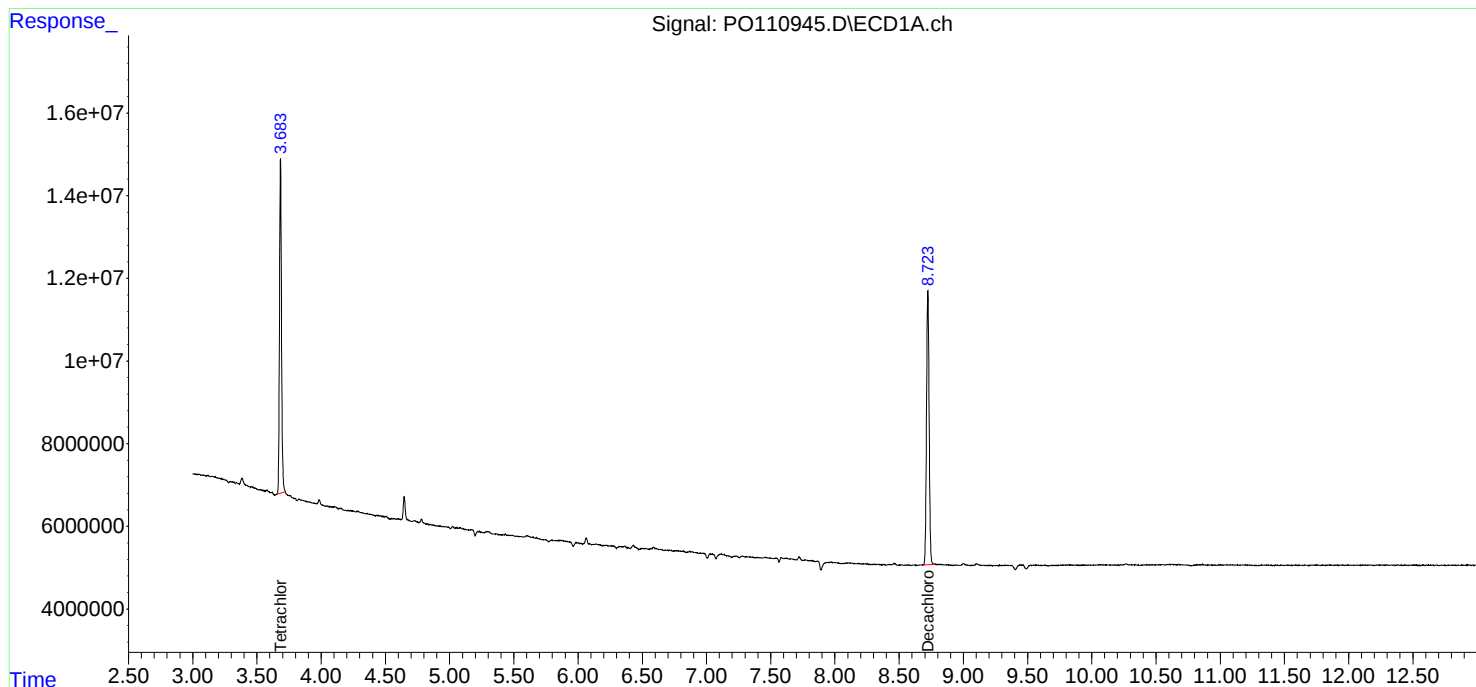
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

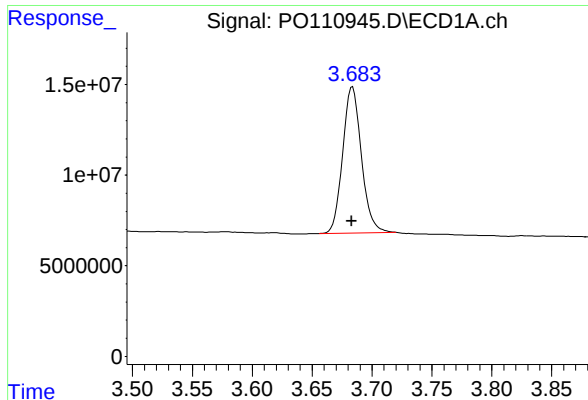
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 18:39
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 05:21:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

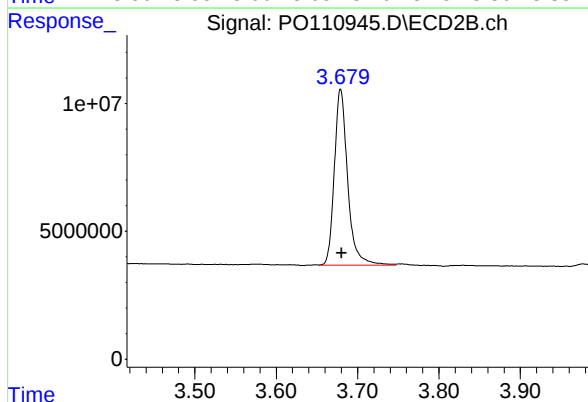




#1 Tetrachloro-m-xylene

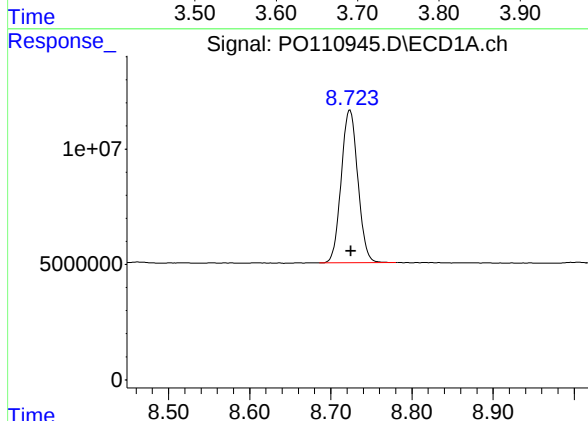
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 87992926
Conc: 15.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



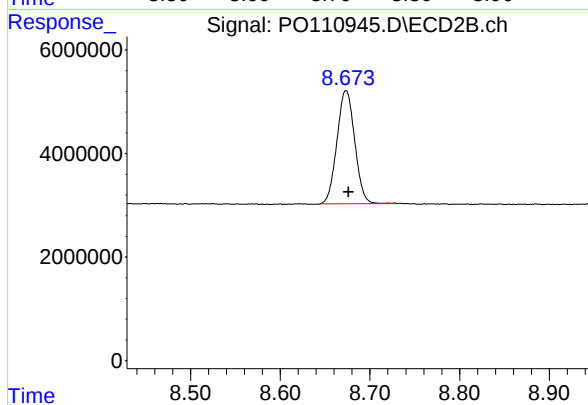
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 78396164
Conc: 16.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.001 min
Response: 93994205
Conc: 15.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 30291549
Conc: 17.95 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167853BS	SDG No.:	Q1936
Lab Sample ID:	PB167853BS	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
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110932.D	1	05/05/25 08:35	05/05/25 13:27	PB167853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	148		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	146		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		30 (32) - 150 (144)	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		30 (32) - 150 (175)	103%	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\PO050525\
 Data File : PO110932.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 13:27
 Operator : YP/AJ
 Sample : PB167853BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB167853BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 16:29:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	97354250	84683391	17.018	17.485
2) SA Decachlor...	8.726	8.674	115.9E6	34732408	18.987	20.585
Target Compounds						
3) L1 AR-1016-1	4.774	4.759	91293873	70992195	413.068	446.837
4) L1 AR-1016-2	4.793	4.777	132.1E6	102.7E6	425.788	449.143
5) L1 AR-1016-3	4.850	4.953	89731131	54480605	392.349	446.796
6) L1 AR-1016-4	4.970	4.995	69580588	44752925	416.170	444.149
7) L1 AR-1016-5	5.227	5.208	70670844	56253081	396.829	428.097
31) L7 AR-1260-1	6.267	6.239	140.1E6	100.9E6	421.302	457.237
32) L7 AR-1260-2	6.456	6.426	174.7E6	116.1E6	421.111	451.281
33) L7 AR-1260-3	6.822	6.578	131.5E6	108.9E6	373.218	466.959 #
34) L7 AR-1260-4	7.083	7.049	116.0E6	73123977	381.236	401.569
35) L7 AR-1260-5	7.325	7.290	284.3E6	161.1E6	387.060	409.664

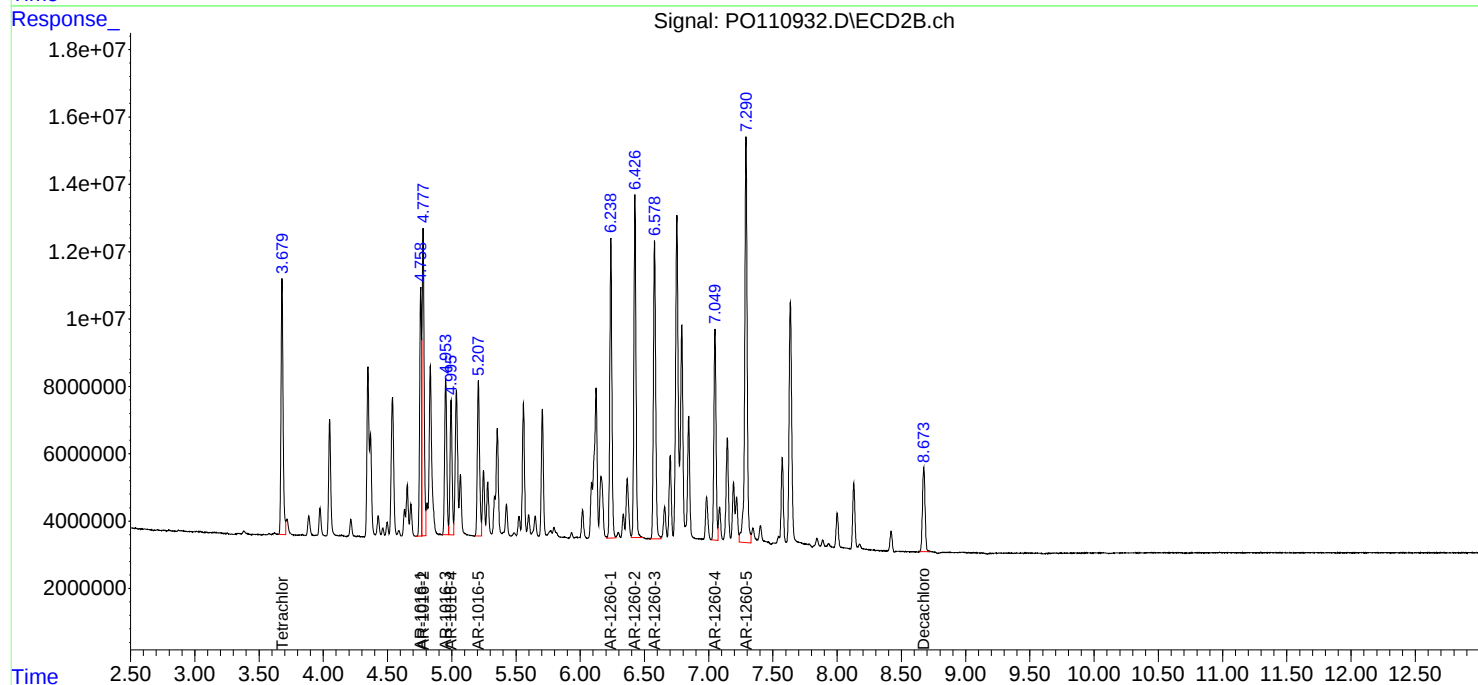
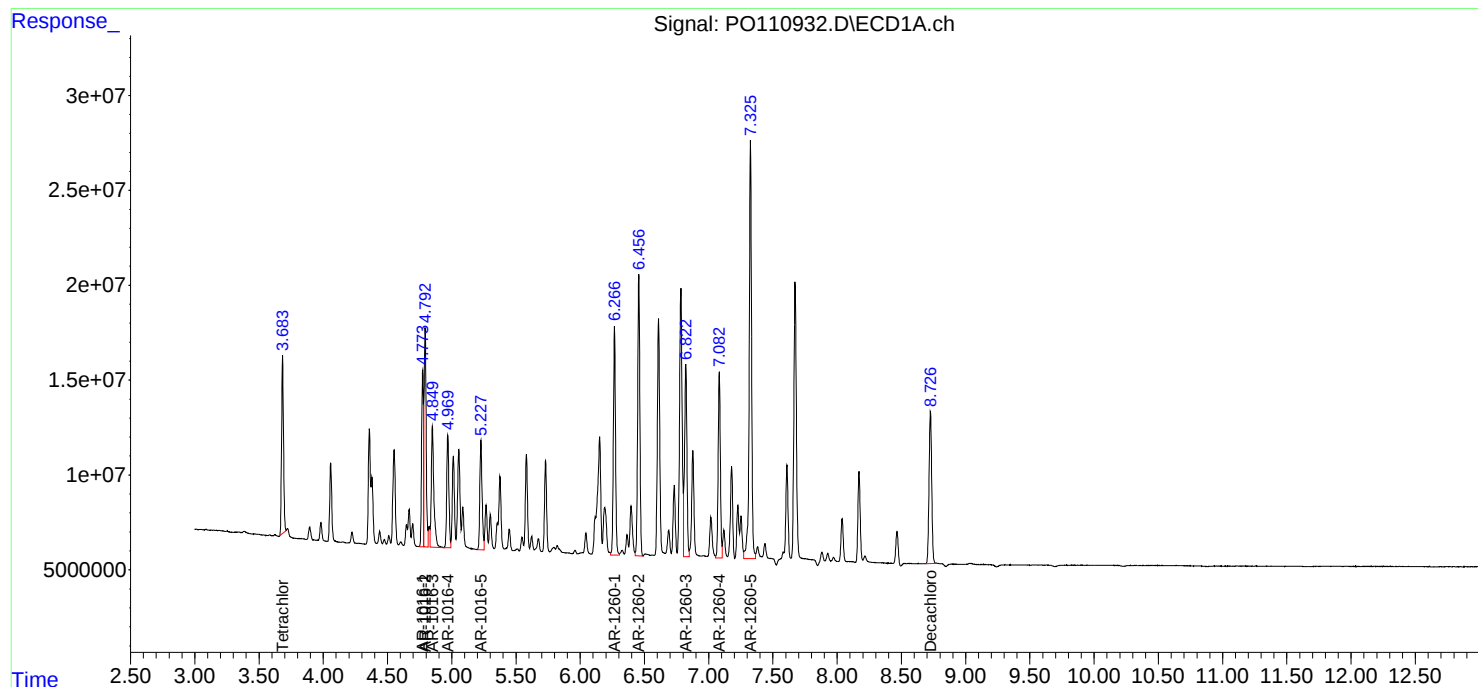
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

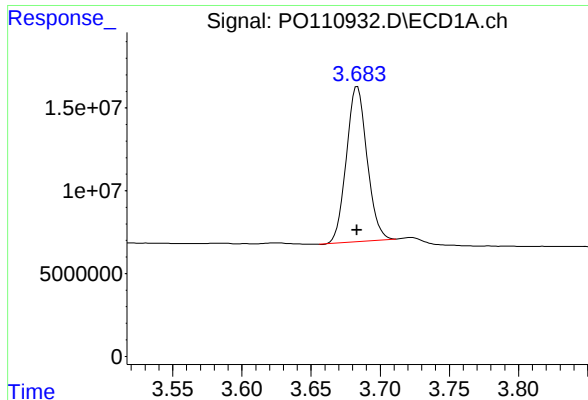
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:27
Operator : YP/AJ
Sample : PB167853BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167853BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:29:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

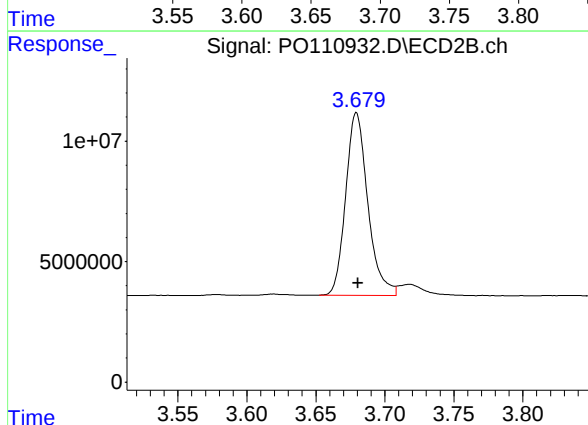




#1 Tetrachloro-m-xylene

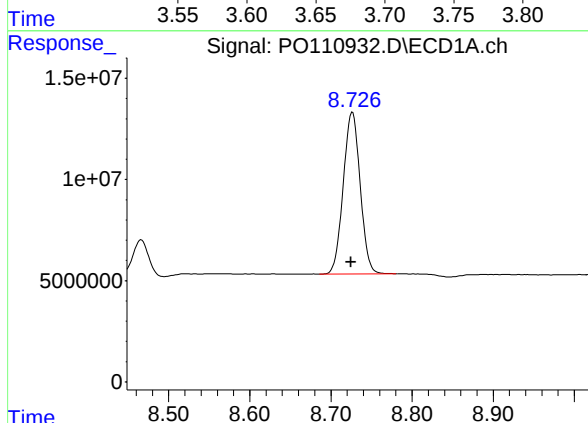
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 97354250
Conc: 17.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167853BS



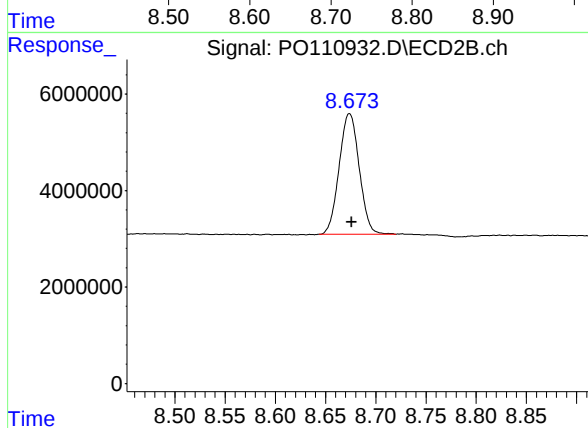
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 84683391
Conc: 17.49 ng/ml



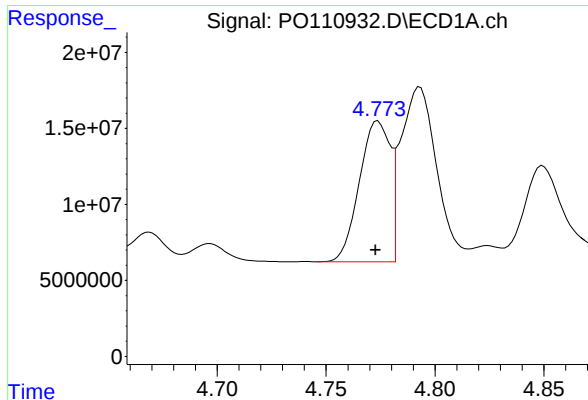
#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.002 min
Response: 115868263
Conc: 18.99 ng/ml



#2 Decachlorobiphenyl

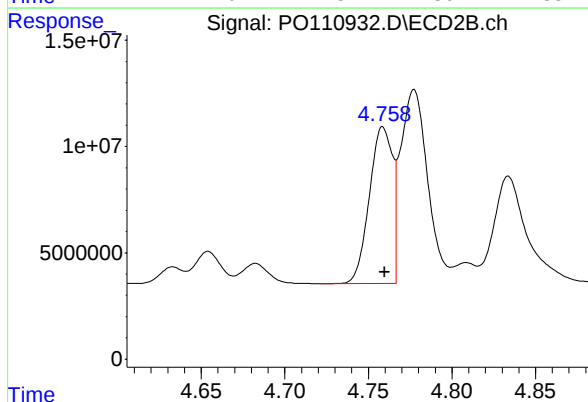
R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 34732408
Conc: 20.59 ng/ml



#3 AR-1016-1

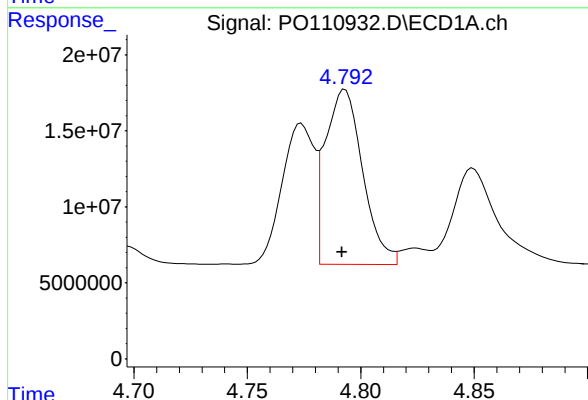
R.T.: 4.774 min
Delta R.T.: 0.001 min
Response: 91293873
Conc: 413.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167853BS



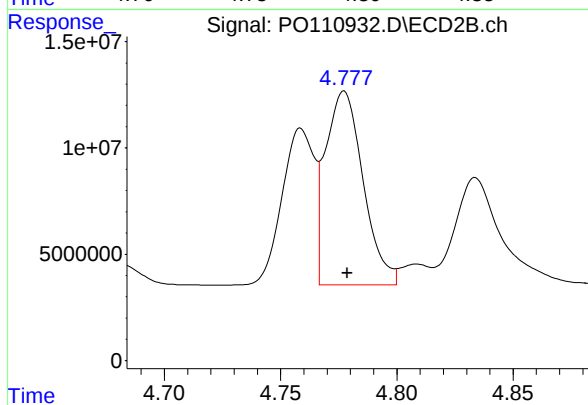
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: -0.001 min
Response: 70992195
Conc: 446.84 ng/ml



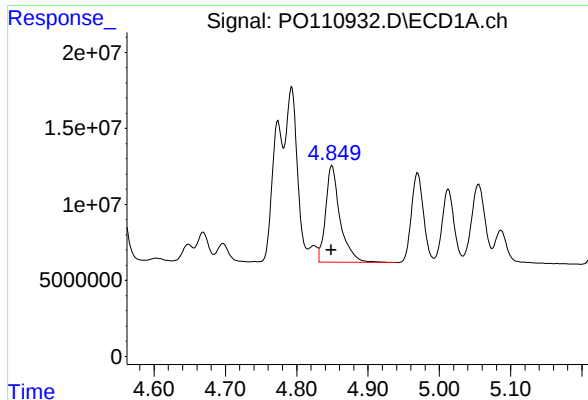
#4 AR-1016-2

R.T.: 4.793 min
Delta R.T.: 0.001 min
Response: 132067442
Conc: 425.79 ng/ml



#4 AR-1016-2

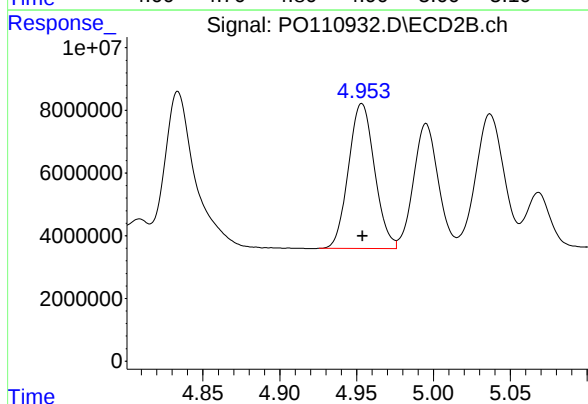
R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 102659481
Conc: 449.14 ng/ml



#5 AR-1016-3

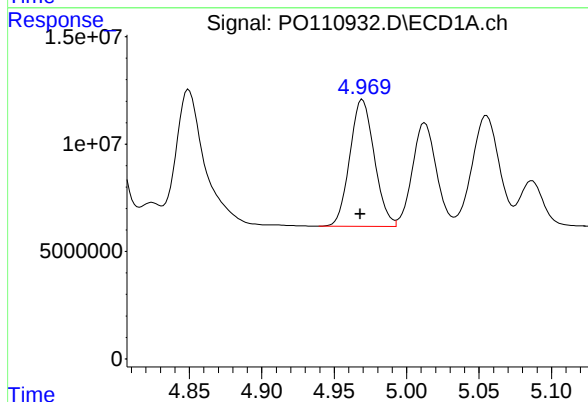
R.T.: 4.850 min
Delta R.T.: 0.001 min
Response: 89731131
Conc: 392.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167853BS



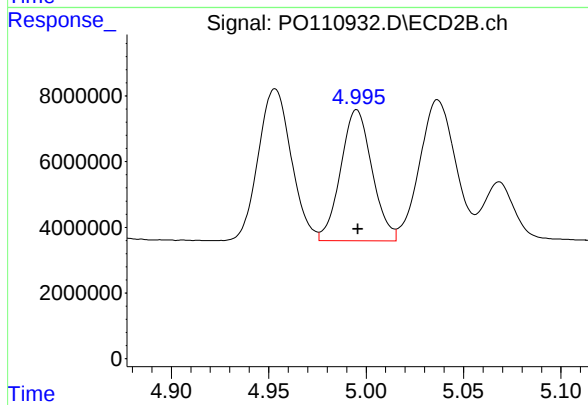
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 54480605
Conc: 446.80 ng/ml



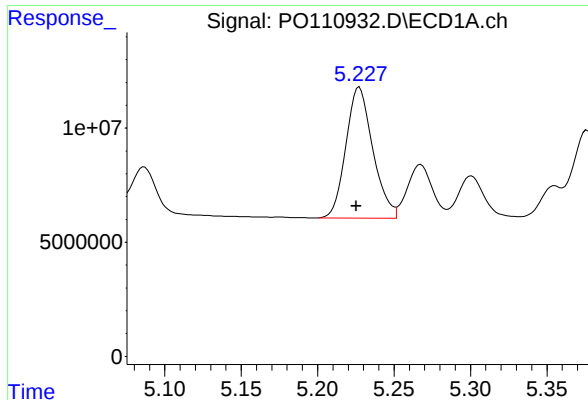
#6 AR-1016-4

R.T.: 4.970 min
Delta R.T.: 0.001 min
Response: 69580588
Conc: 416.17 ng/ml



#6 AR-1016-4

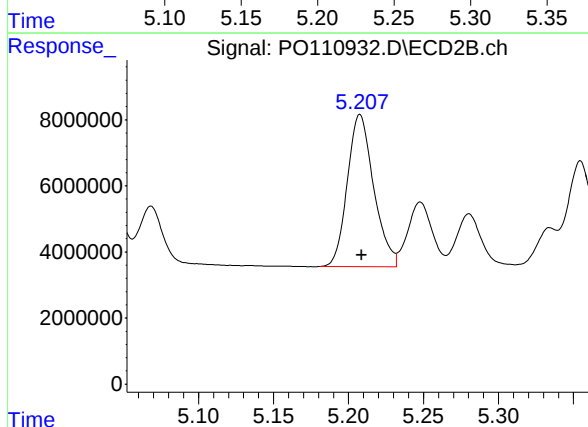
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 44752925
Conc: 444.15 ng/ml



#7 AR-1016-5

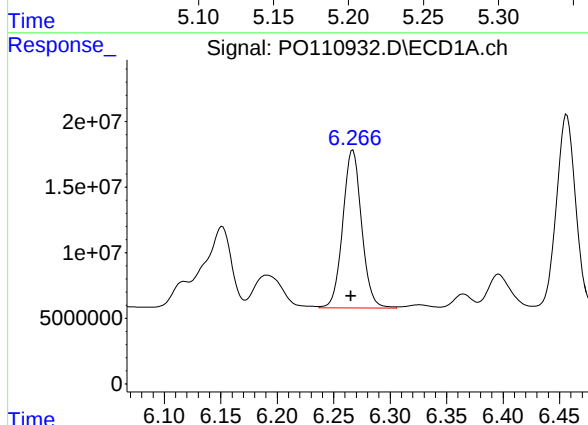
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 70670844
Conc: 396.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167853BS



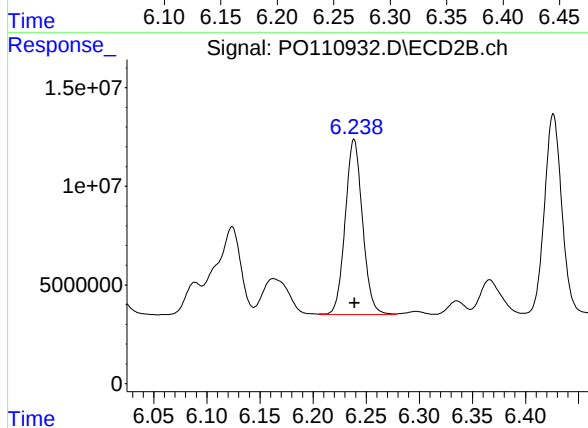
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: -0.001 min
Response: 56253081
Conc: 428.10 ng/ml



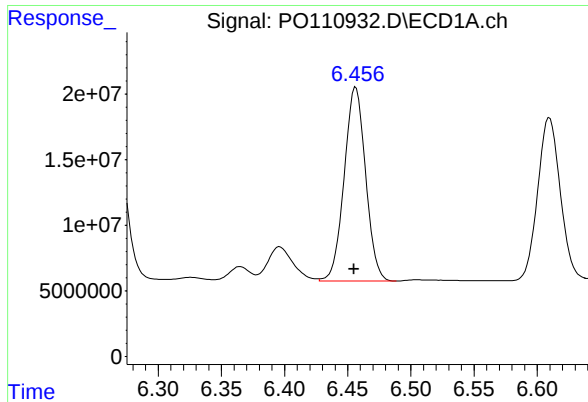
#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.002 min
Response: 140134935
Conc: 421.30 ng/ml



#31 AR-1260-1

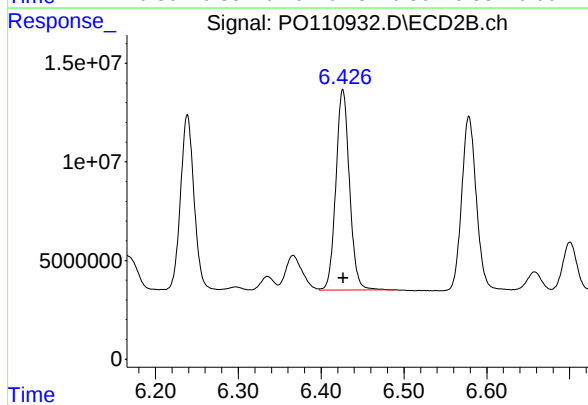
R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 100943951
Conc: 457.24 ng/ml



#32 AR-1260-2

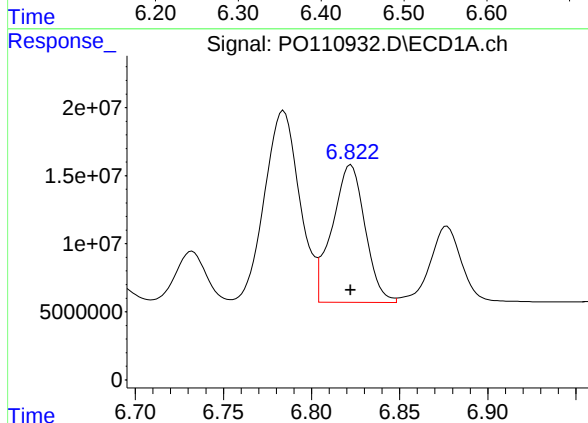
R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 174682298
Conc: 421.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167853BS



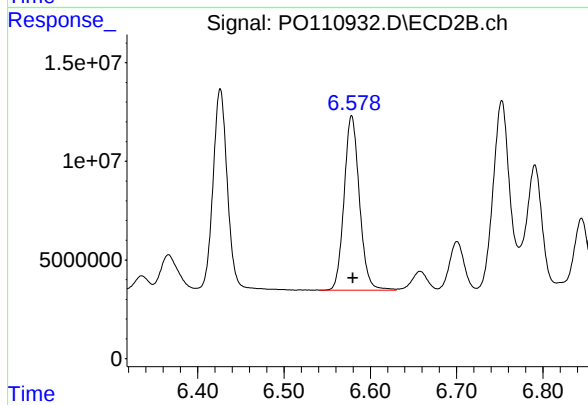
#32 AR-1260-2

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 116082202
Conc: 451.28 ng/ml



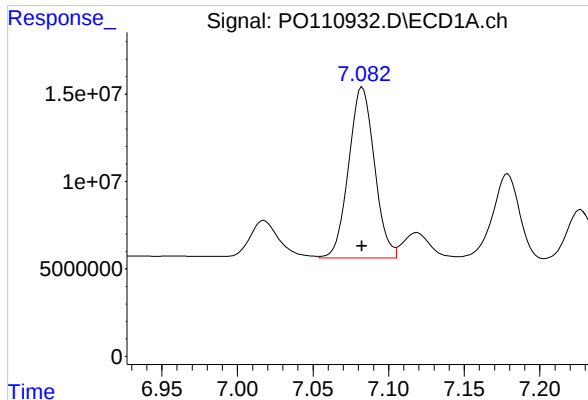
#33 AR-1260-3

R.T.: 6.822 min
Delta R.T.: 0.000 min
Response: 131472217
Conc: 373.22 ng/ml



#33 AR-1260-3

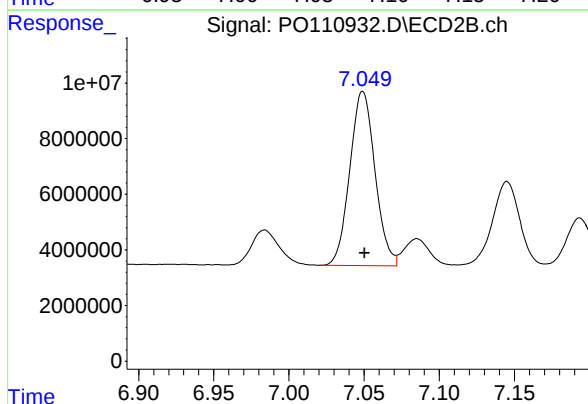
R.T.: 6.578 min
Delta R.T.: -0.001 min
Response: 108868580
Conc: 466.96 ng/ml



#34 AR-1260-4

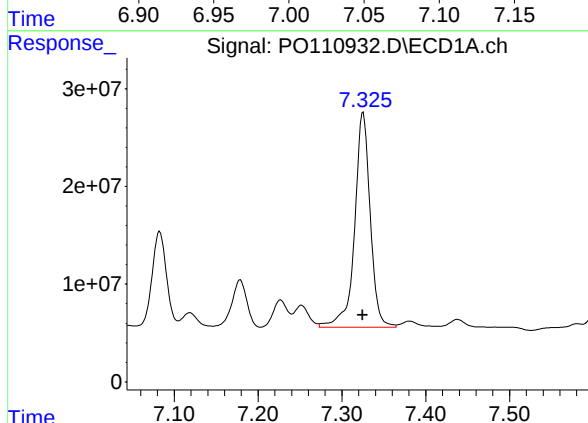
R.T.: 7.083 min
Delta R.T.: 0.000 min
Response: 115985876
Conc: 381.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167853BS



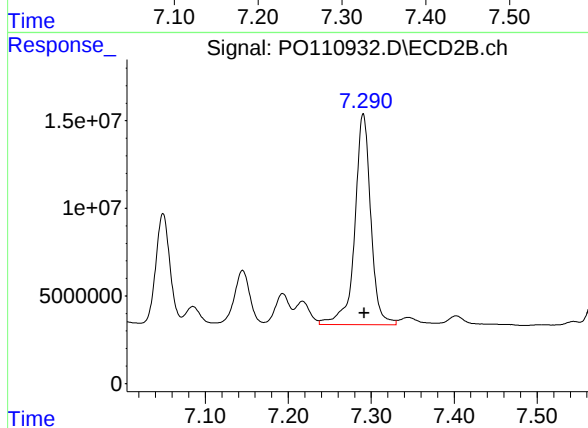
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: -0.001 min
Response: 73123977
Conc: 401.57 ng/ml



#35 AR-1260-5

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 284251612
Conc: 387.06 ng/ml



#35 AR-1260-5

R.T.: 7.290 min
Delta R.T.: -0.001 min
Response: 161077083
Conc: 409.66 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-AMS	SDG No.:	Q1936
Lab Sample ID:	Q1936-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110934.D	1	05/05/25 08:35	05/05/25 14:04	PB167853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	176		4.30	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	165		3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.9		30 (32) - 150 (144)	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		30 (32) - 150 (175)	93%	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\PO050525\
 Data File : PO110934.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 14:04
 Operator : YP/AJ
 Sample : Q1936-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SMALL-PILE-AMS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 16:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.684	3.680	97055905	86649223	16.965	17.891
2) SA Decachlor...	8.725	8.674	101.2E6	31524086	16.591	18.684
Target Compounds						
3) L1 AR-1016-1	4.774	4.759	95435603	76054817	431.807	478.702
4) L1 AR-1016-2	4.793	4.778	140.8E6	111.6E6	454.051	488.133
5) L1 AR-1016-3	4.850	4.953	94310712	59344648	412.374	486.686
6) L1 AR-1016-4	4.970	4.995	73992025	48367265	442.555	480.020
7) L1 AR-1016-5	5.227	5.208	75442552	61518541	423.623	468.168
31) L7 AR-1260-1	6.267	6.239	141.4E6	105.0E6	425.038	475.562
32) L7 AR-1260-2	6.456	6.427	175.5E6	120.6E6	423.193	468.792
33) L7 AR-1260-3	6.823	6.579	135.0E6	112.7E6	383.093	483.227 #
34) L7 AR-1260-4	7.083	7.050	116.0E6	75247320	381.377	413.229
35) L7 AR-1260-5	7.325	7.291	285.0E6	162.9E6	388.088	414.233

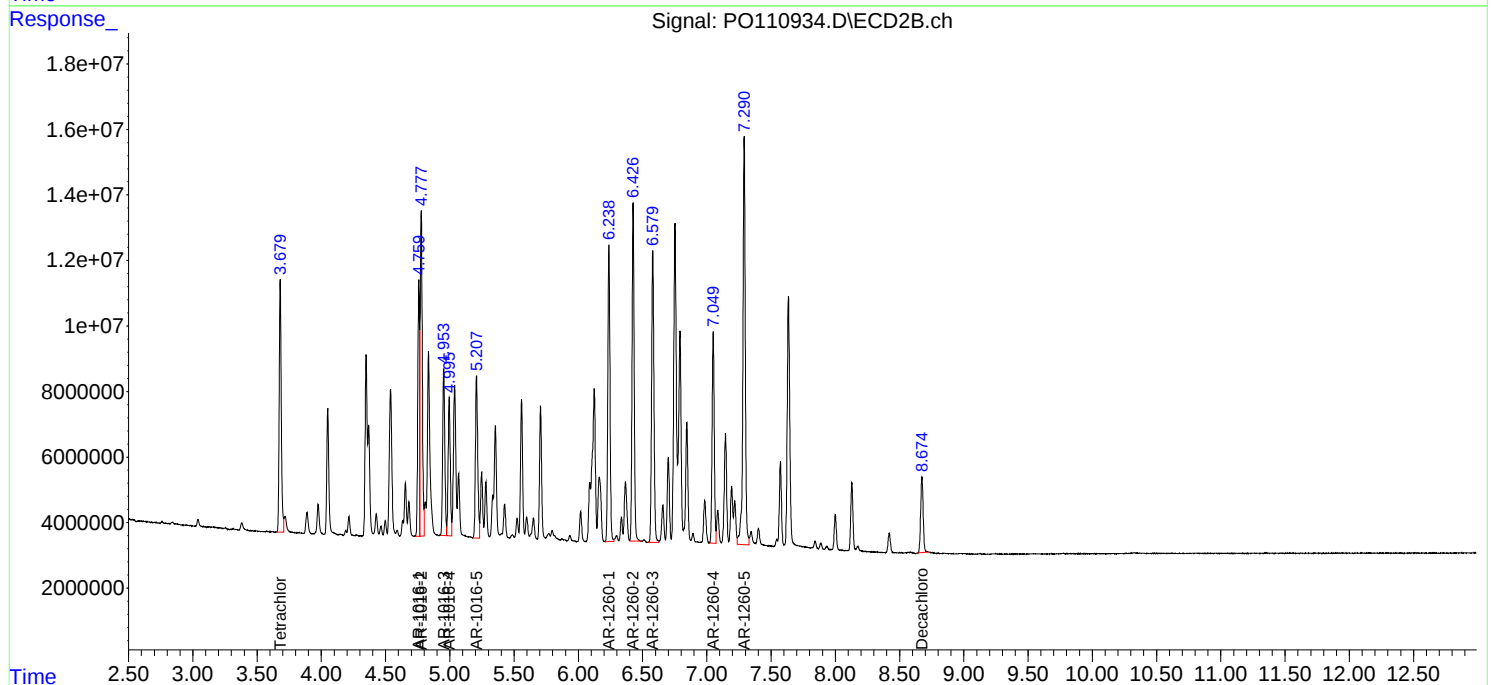
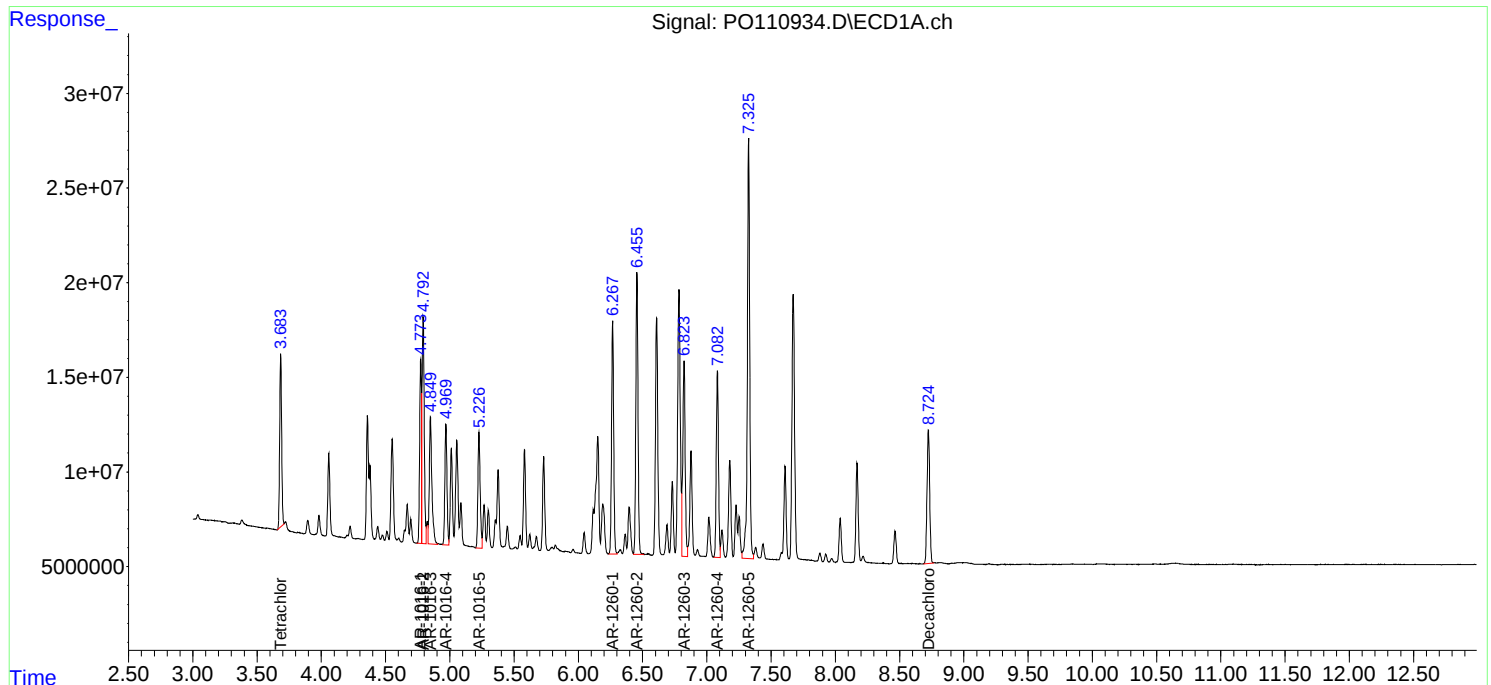
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

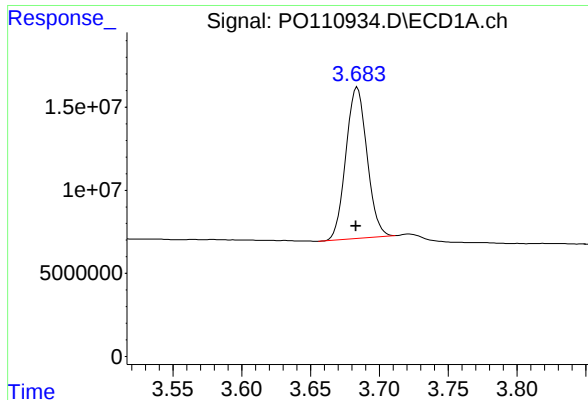
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 14:04
Operator : YP/AJ
Sample : Q1936-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

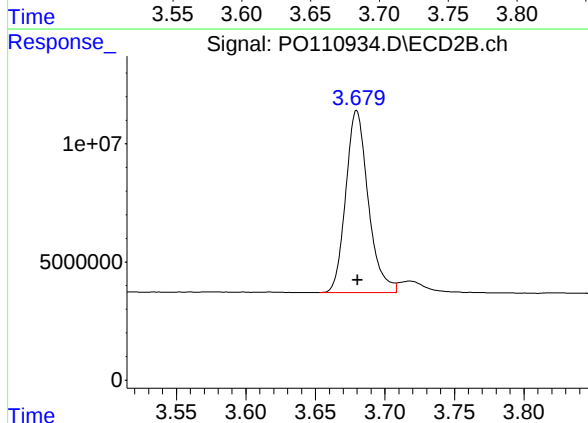




#1 Tetrachloro-m-xylene

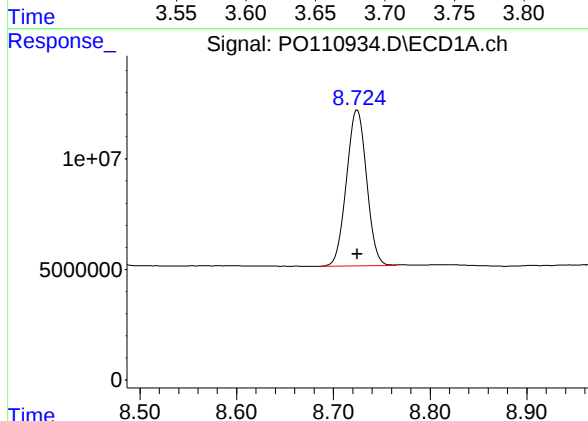
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 97055905
Conc: 16.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMS



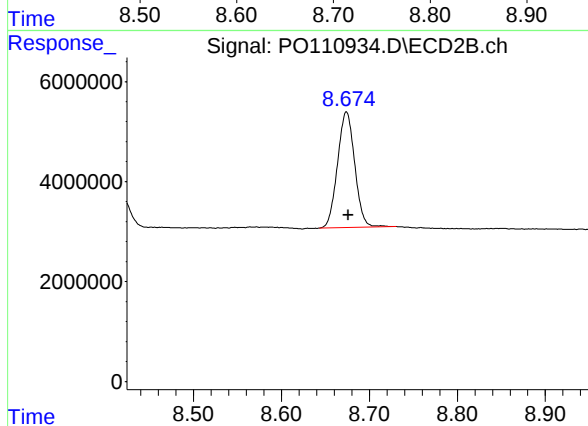
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 86649223
Conc: 17.89 ng/ml



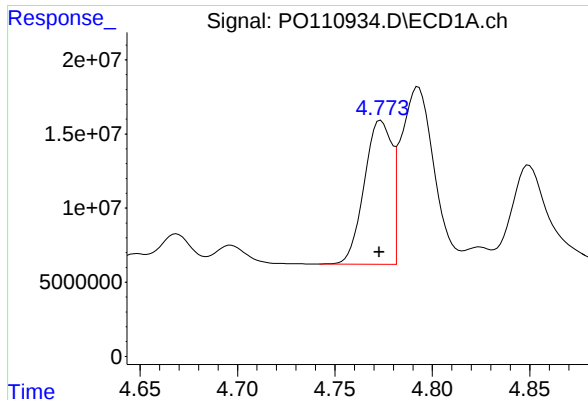
#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 101248882
Conc: 16.59 ng/ml



#2 Decachlorobiphenyl

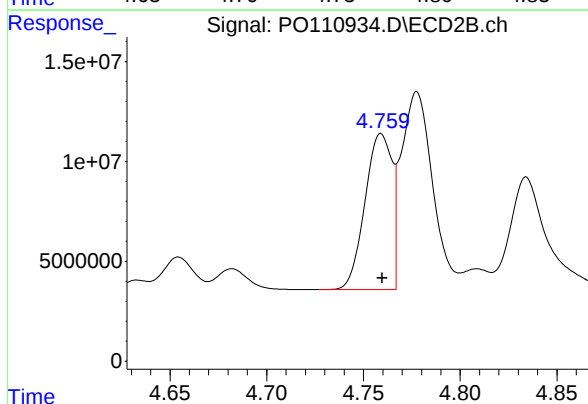
R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 31524086
Conc: 18.68 ng/ml



#3 AR-1016-1

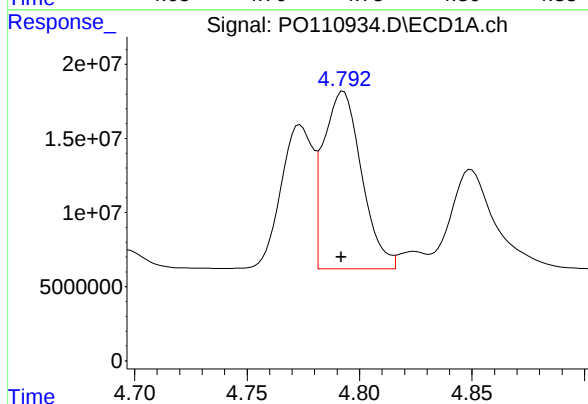
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 95435603
Conc: 431.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMS



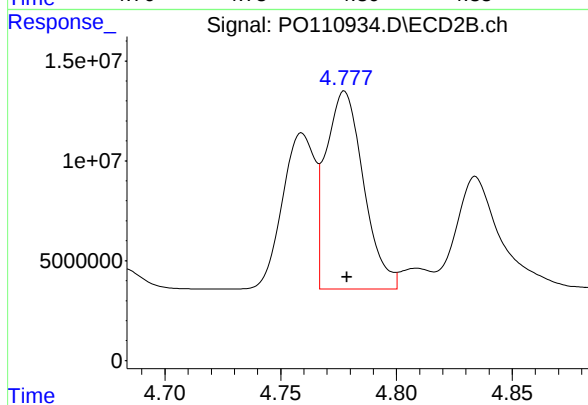
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 76054817
Conc: 478.70 ng/ml



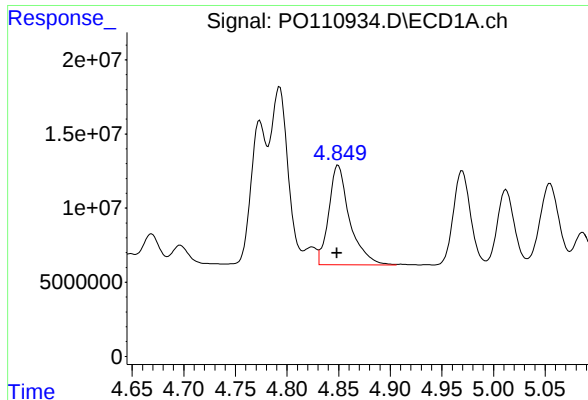
#4 AR-1016-2

R.T.: 4.793 min
Delta R.T.: 0.001 min
Response: 140833993
Conc: 454.05 ng/ml



#4 AR-1016-2

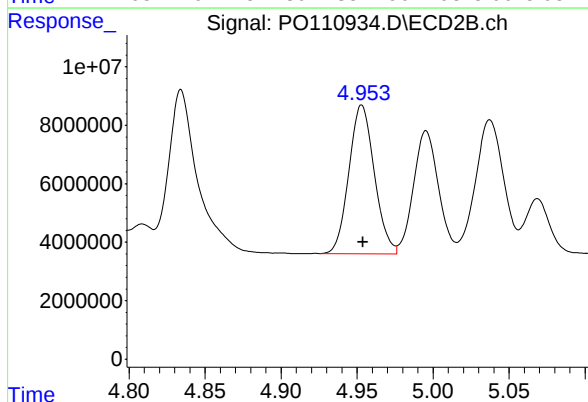
R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 111571272
Conc: 488.13 ng/ml



#5 AR-1016-3

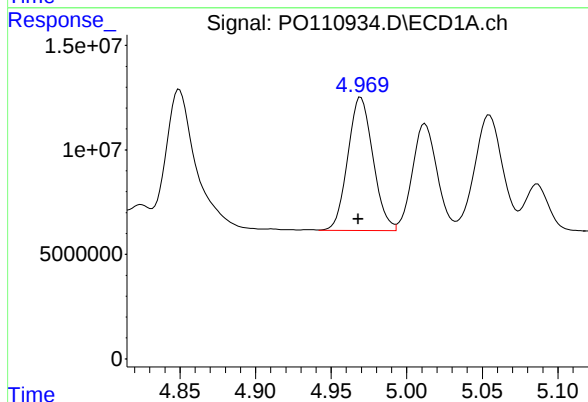
R.T.: 4.850 min
Delta R.T.: 0.001 min
Response: 94310712
Conc: 412.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMS



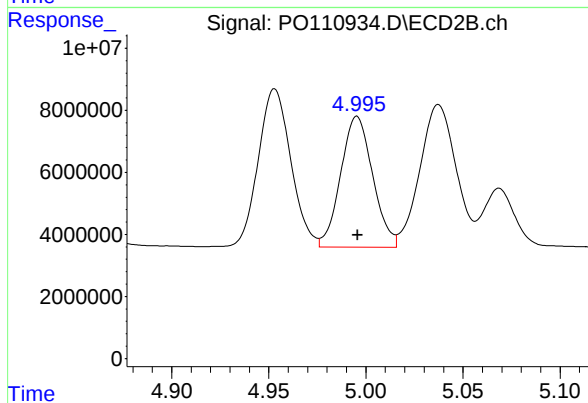
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 59344648
Conc: 486.69 ng/ml



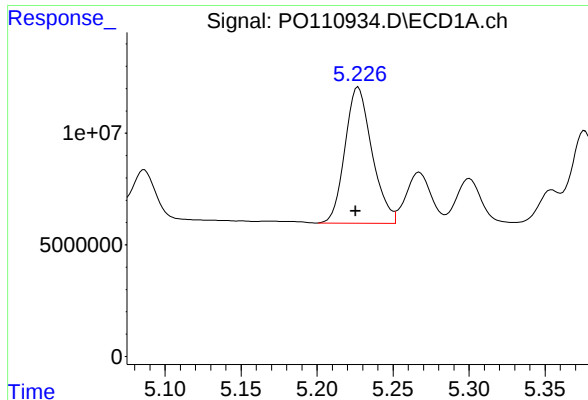
#6 AR-1016-4

R.T.: 4.970 min
Delta R.T.: 0.002 min
Response: 73992025
Conc: 442.56 ng/ml



#6 AR-1016-4

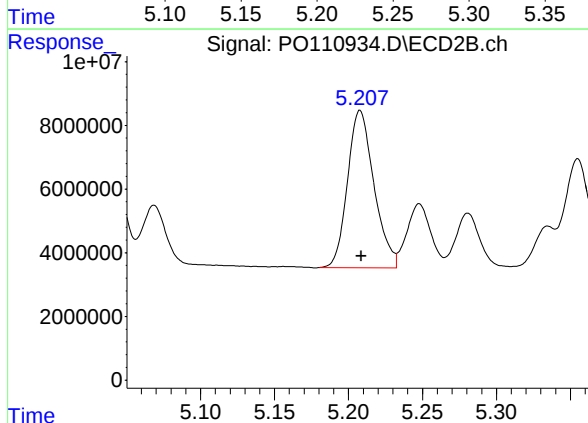
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 48367265
Conc: 480.02 ng/ml



#7 AR-1016-5

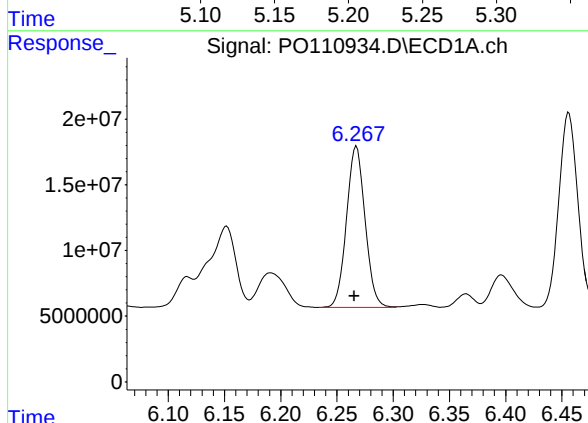
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 75442552
Conc: 423.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMS



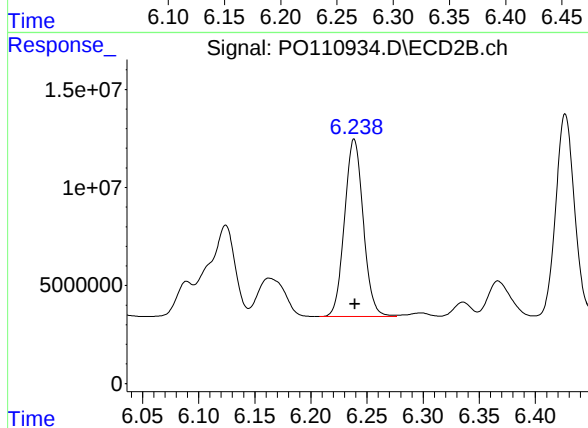
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 61518541
Conc: 468.17 ng/ml



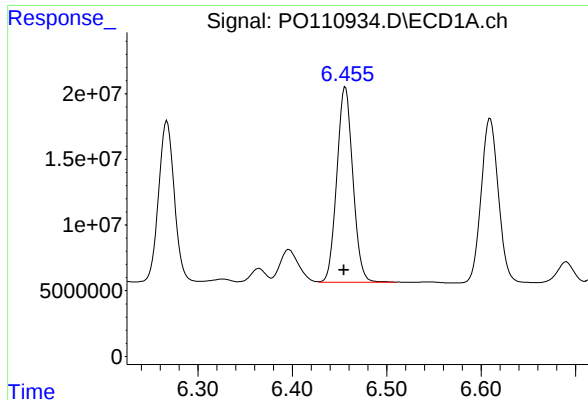
#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.002 min
Response: 141377416
Conc: 425.04 ng/ml



#31 AR-1260-1

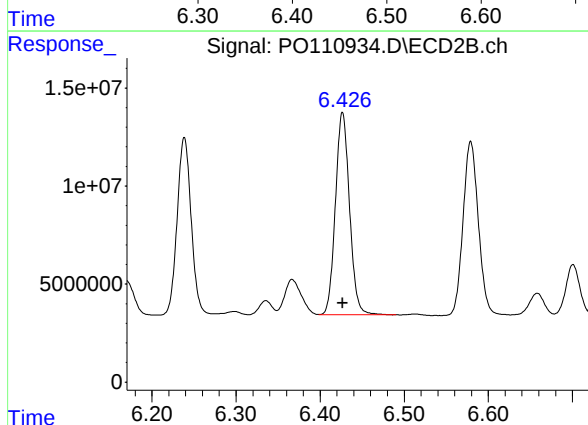
R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 104989471
Conc: 475.56 ng/ml



#32 AR-1260-2

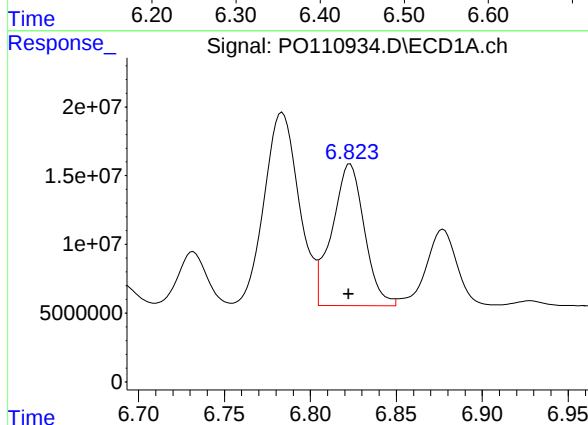
R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 175545815
Conc: 423.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMS



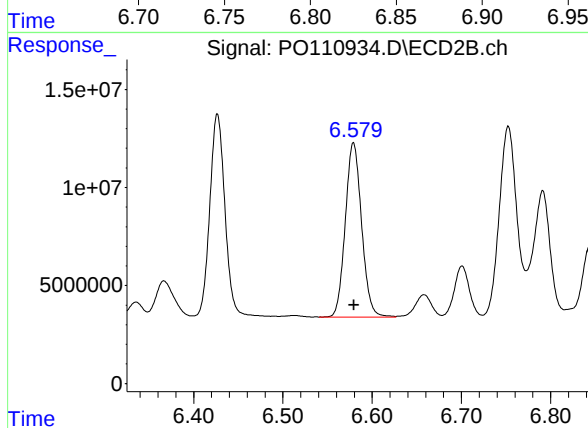
#32 AR-1260-2

R.T.: 6.427 min
Delta R.T.: 0.000 min
Response: 120586721
Conc: 468.79 ng/ml



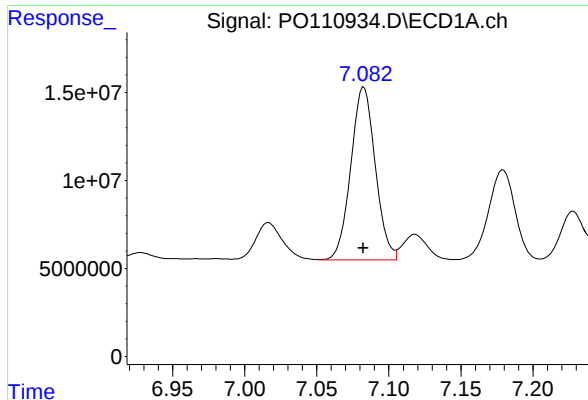
#33 AR-1260-3

R.T.: 6.823 min
Delta R.T.: 0.001 min
Response: 134950734
Conc: 383.09 ng/ml



#33 AR-1260-3

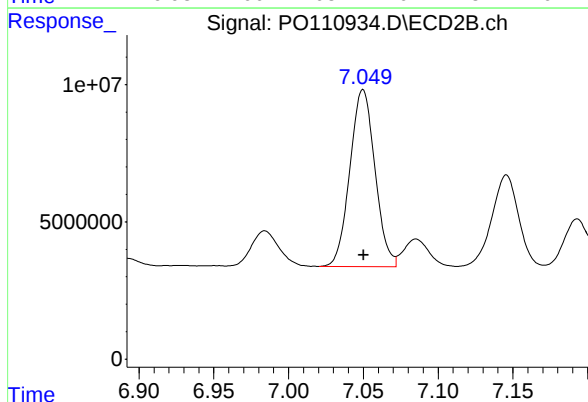
R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 112661308
Conc: 483.23 ng/ml



#34 AR-1260-4

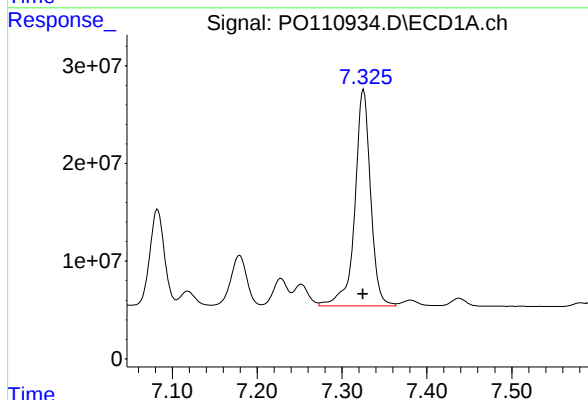
R.T.: 7.083 min
Delta R.T.: 0.000 min
Response: 116028803
Conc: 381.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMS



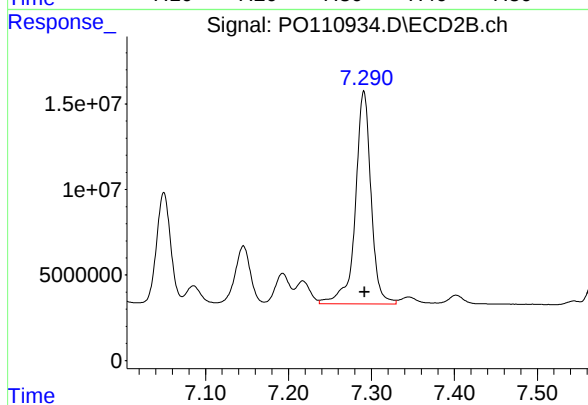
#34 AR-1260-4

R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 75247320
Conc: 413.23 ng/ml



#35 AR-1260-5

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 285006596
Conc: 388.09 ng/ml



#35 AR-1260-5

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 162873825
Conc: 414.23 ng/ml

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	SMALL-PILE-AMSD	SDG No.:	Q1936
Lab Sample ID:	Q1936-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110935.D	1	05/05/25 08:35	05/05/25 14:22	PB167853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	174		4.30	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	164		3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.0		30 (32) - 150 (144)	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		30 (32) - 150 (175)	95%	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\PO050525\
 Data File : PO110935.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 14:22
 Operator : YP/AJ
 Sample : Q1936-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SMALL-PILE-AMSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 05 16:31:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri May 02 23:47:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.684	3.680	97649162	87186374	17.069	18.002
2) SA Decachlor...	8.726	8.674	101.4E6	32090657	16.613	19.019
Target Compounds						
3) L1 AR-1016-1	4.774	4.759	93420006	75675260	422.688	476.313
4) L1 AR-1016-2	4.793	4.778	137.3E6	109.7E6	442.754	479.993
5) L1 AR-1016-3	4.850	4.953	92934180	58301283	406.355	478.130
6) L1 AR-1016-4	4.970	4.995	72173313	47407166	431.677	470.491
7) L1 AR-1016-5	5.227	5.208	74183115	60619921	416.551	461.329
31) L7 AR-1260-1	6.267	6.239	142.8E6	103.4E6	429.310	468.475
32) L7 AR-1260-2	6.456	6.426	175.9E6	118.2E6	424.048	459.547
33) L7 AR-1260-3	6.823	6.579	127.4E6	111.4E6	361.521	477.913 #
34) L7 AR-1260-4	7.083	7.049	114.5E6	74386461	376.431	408.502
35) L7 AR-1260-5	7.326	7.290	282.0E6	164.2E6	384.005	417.607

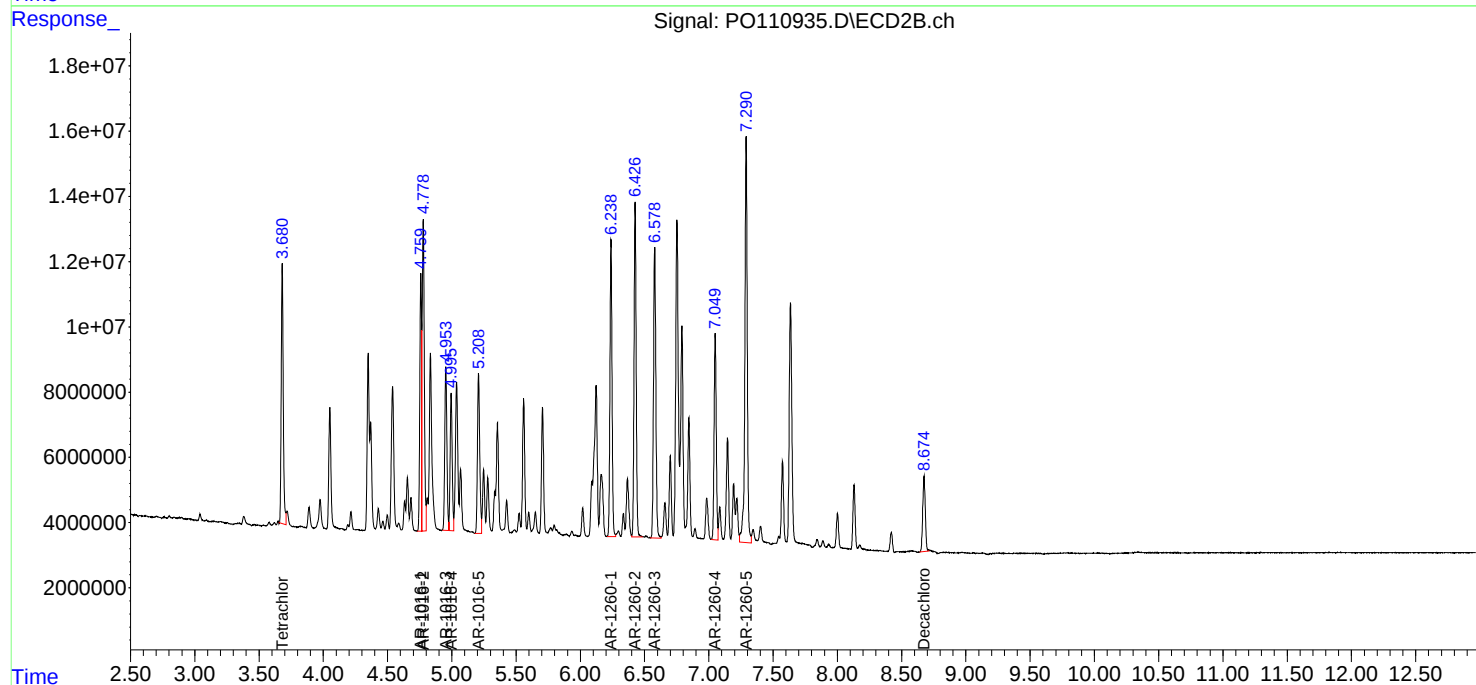
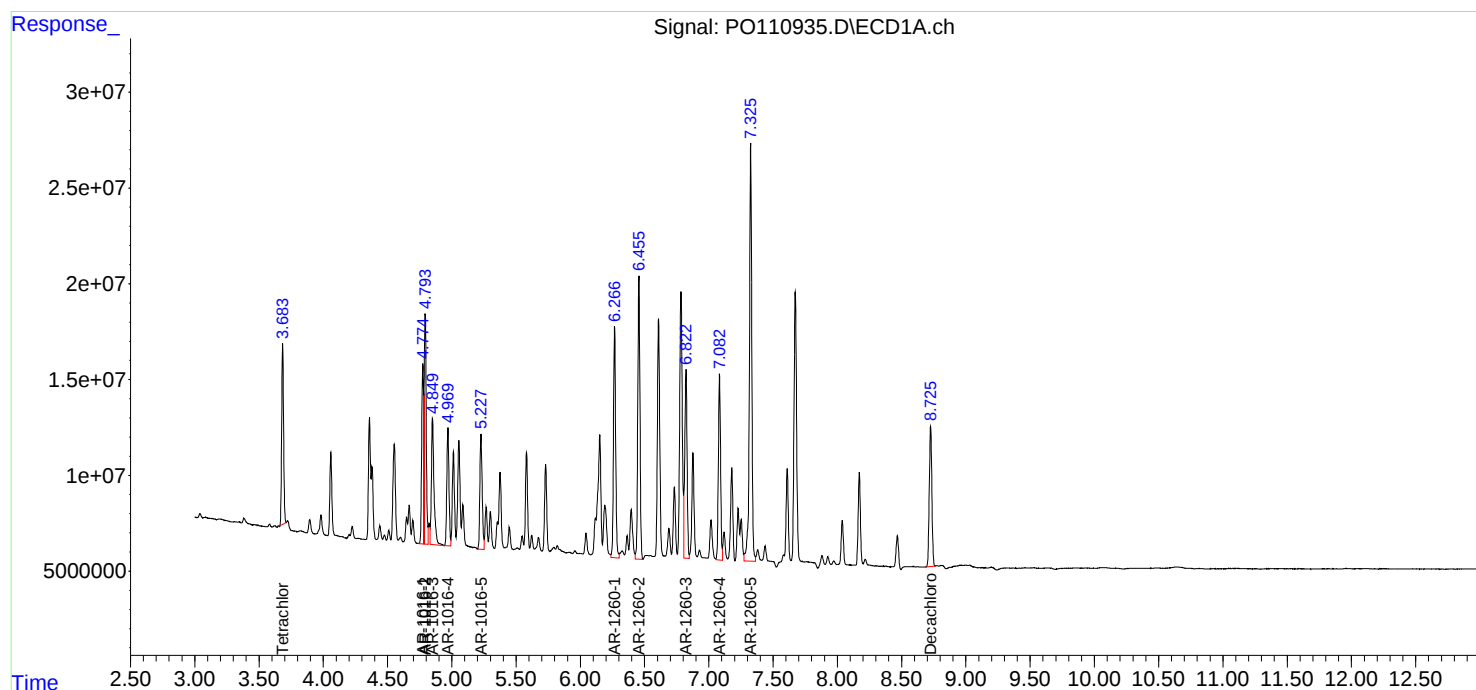
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

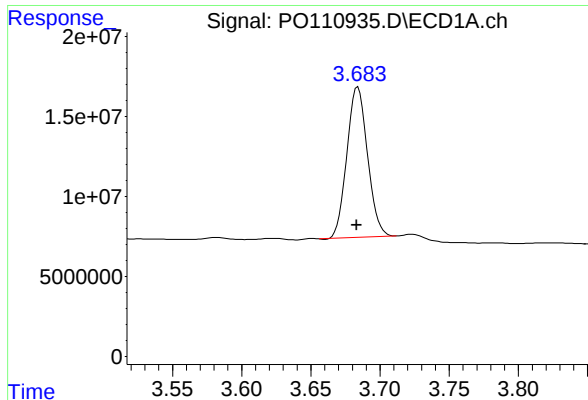
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050525\
Data File : PO110935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 14:22
Operator : YP/AJ
Sample : Q1936-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 16:31:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

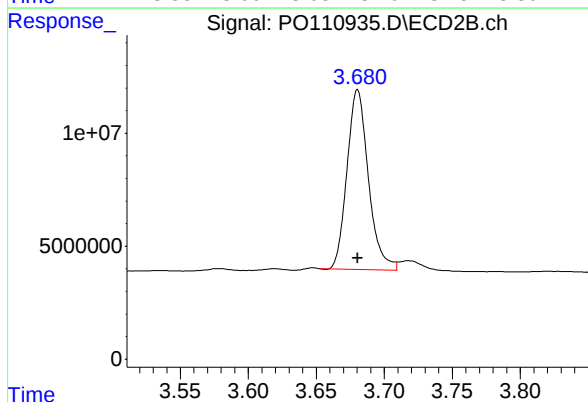




#1 Tetrachloro-m-xylene

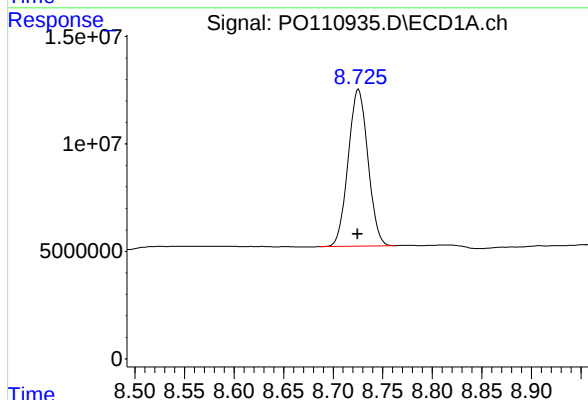
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 97649162
Conc: 17.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMSD



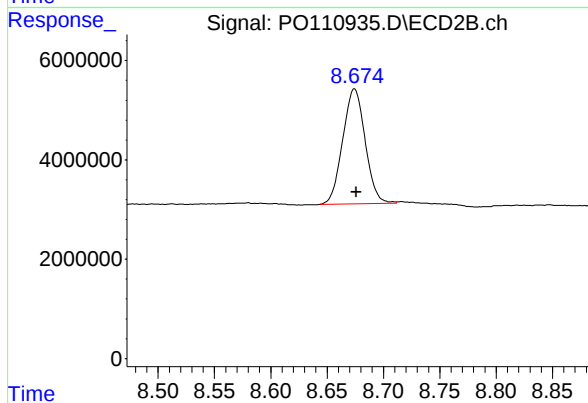
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 87186374
Conc: 18.00 ng/ml



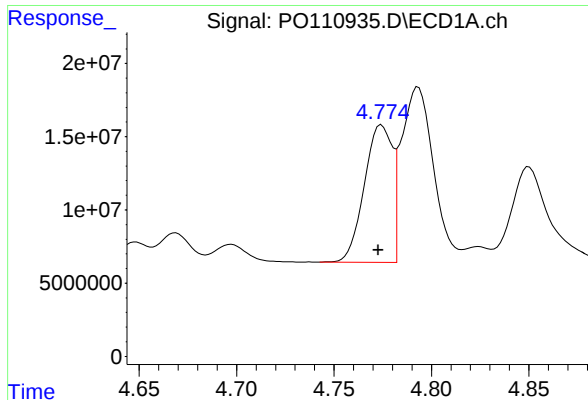
#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.000 min
Response: 101378712
Conc: 16.61 ng/ml



#2 Decachlorobiphenyl

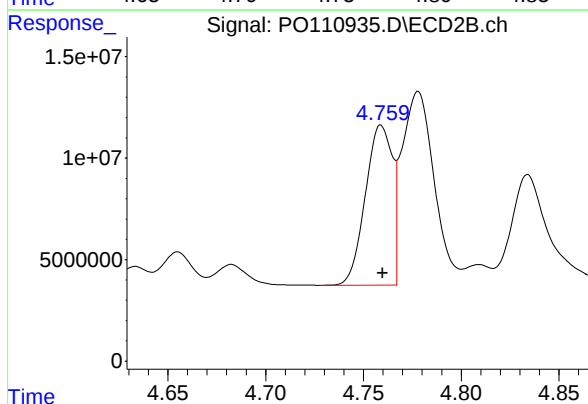
R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 32090657
Conc: 19.02 ng/ml



#3 AR-1016-1

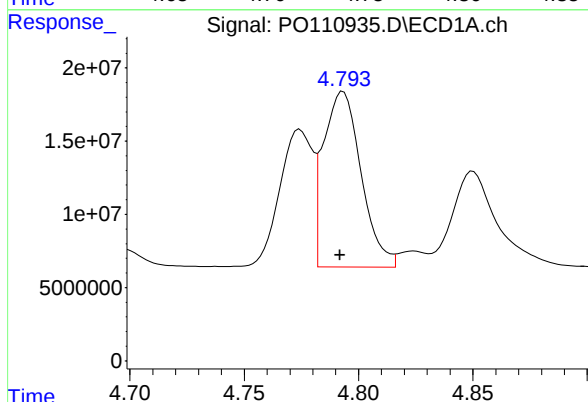
R.T.: 4.774 min
Delta R.T.: 0.002 min
Response: 93420006
Conc: 422.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMSD



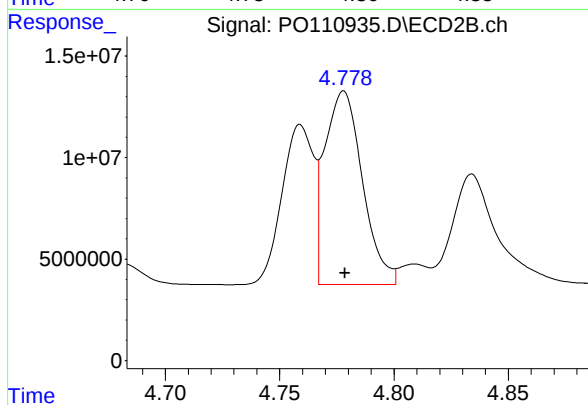
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 75675260
Conc: 476.31 ng/ml



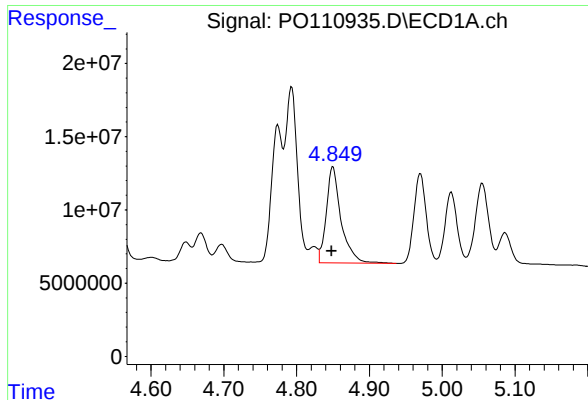
#4 AR-1016-2

R.T.: 4.793 min
Delta R.T.: 0.001 min
Response: 137329836
Conc: 442.75 ng/ml



#4 AR-1016-2

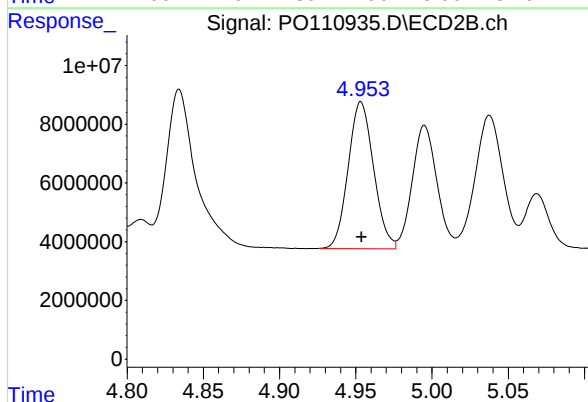
R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 109710744
Conc: 479.99 ng/ml



#5 AR-1016-3

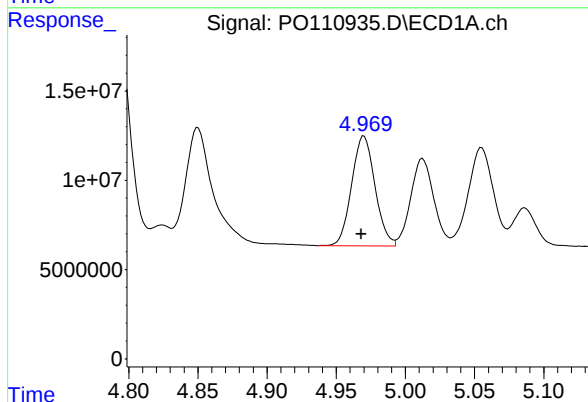
R.T.: 4.850 min
Delta R.T.: 0.002 min
Response: 92934180
Conc: 406.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMSD



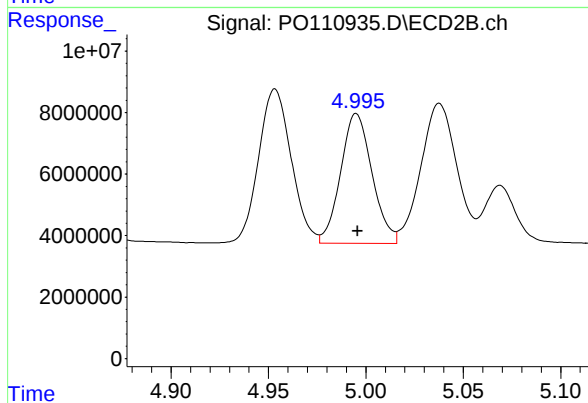
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 58301283
Conc: 478.13 ng/ml



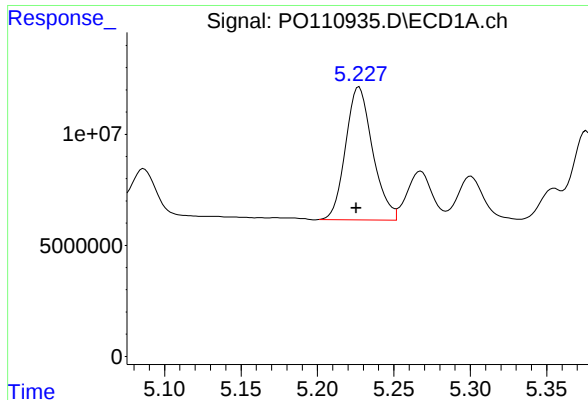
#6 AR-1016-4

R.T.: 4.970 min
Delta R.T.: 0.002 min
Response: 72173313
Conc: 431.68 ng/ml



#6 AR-1016-4

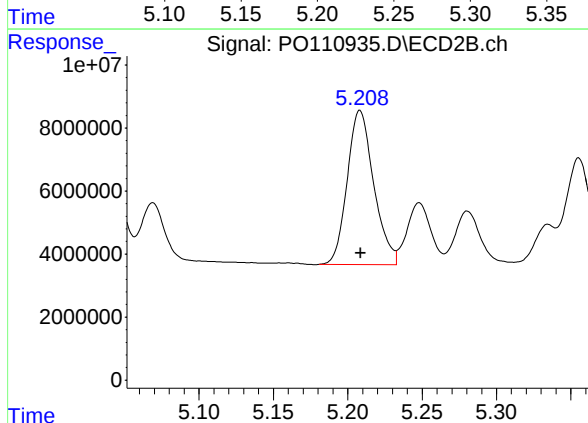
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 47407166
Conc: 470.49 ng/ml



#7 AR-1016-5

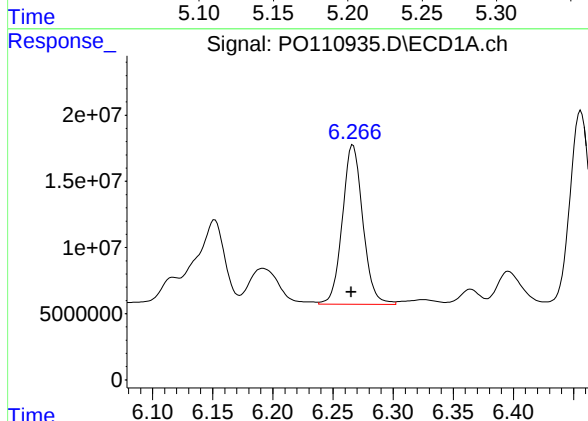
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 74183115
Conc: 416.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMSD



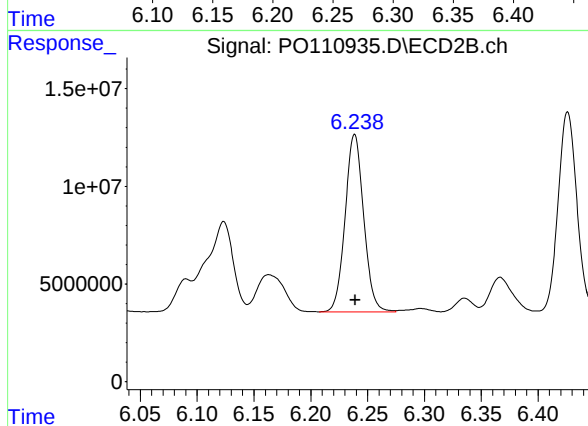
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 60619921
Conc: 461.33 ng/ml



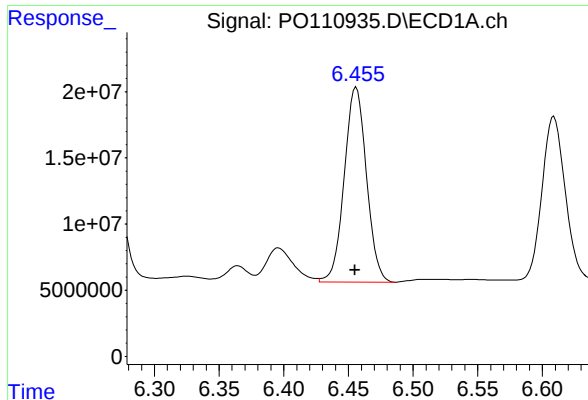
#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.001 min
Response: 142798599
Conc: 429.31 ng/ml



#31 AR-1260-1

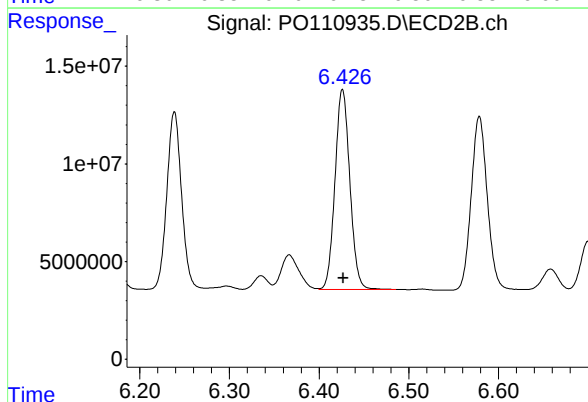
R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 103424926
Conc: 468.48 ng/ml



#32 AR-1260-2

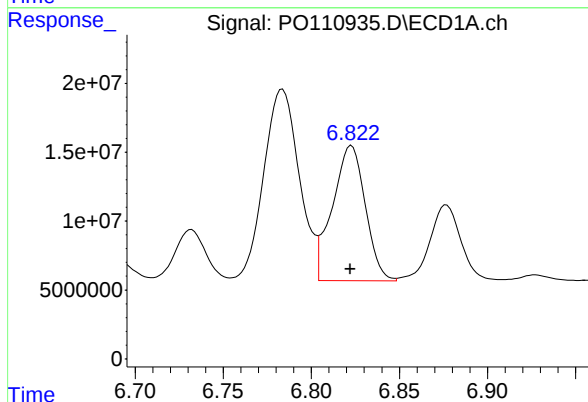
R.T.: 6.456 min
Delta R.T.: 0.001 min
Response: 175900755
Conc: 424.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMSD



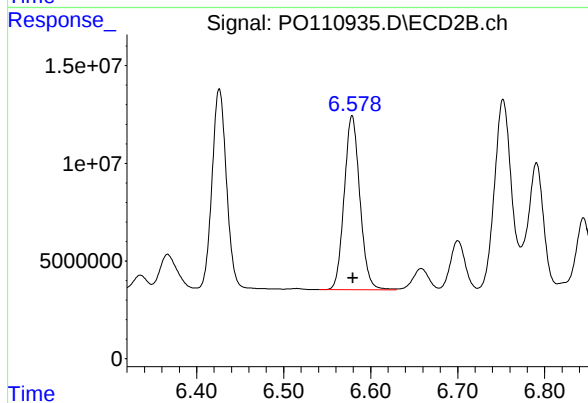
#32 AR-1260-2

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 118208547
Conc: 459.55 ng/ml



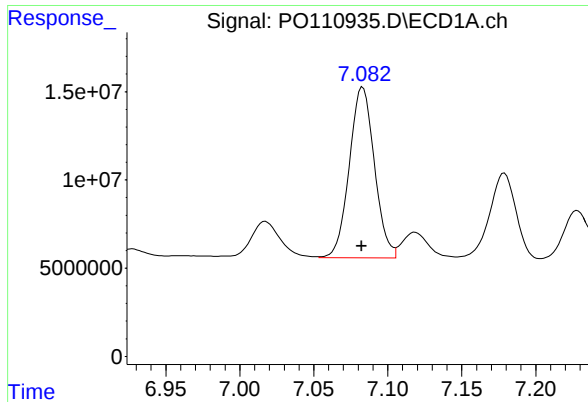
#33 AR-1260-3

R.T.: 6.823 min
Delta R.T.: 0.000 min
Response: 127351573
Conc: 361.52 ng/ml



#33 AR-1260-3

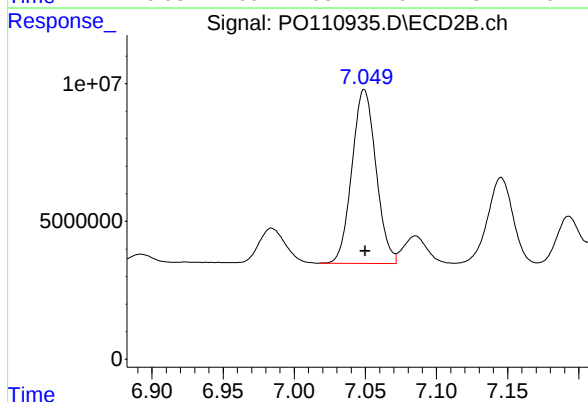
R.T.: 6.579 min
Delta R.T.: -0.001 min
Response: 111422350
Conc: 477.91 ng/ml



#34 AR-1260-4

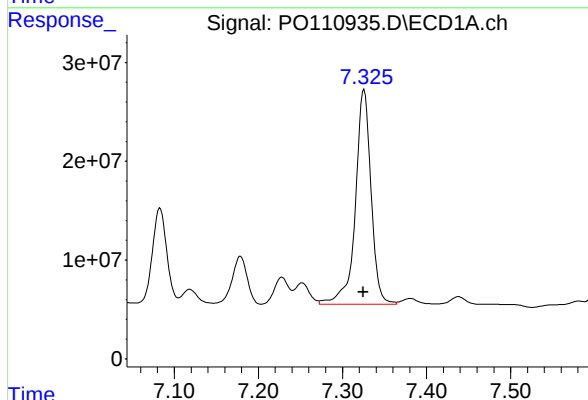
R.T.: 7.083 min
Delta R.T.: 0.000 min
Response: 114523924
Conc: 376.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
SMALL-PILE-AMSD



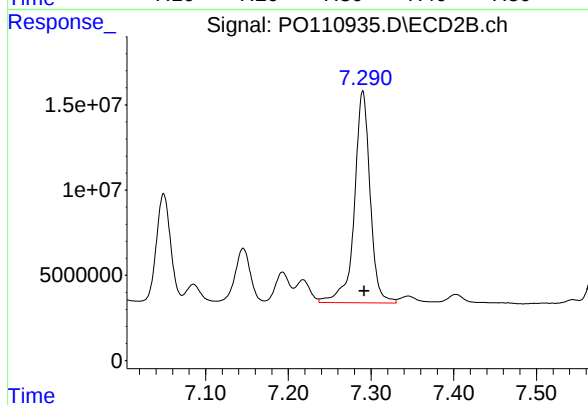
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 74386461
Conc: 408.50 ng/ml



#35 AR-1260-5

R.T.: 7.326 min
Delta R.T.: 0.001 min
Response: 282008079
Conc: 384.01 ng/ml



#35 AR-1260-5

R.T.: 7.290 min
Delta R.T.: -0.002 min
Response: 164200448
Conc: 417.61 ng/ml

Manual Integration Report

Sequence:	PO050225	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO110896.D	AR-1260-4 #2	yogesh	5/5/2025 7:39:44 AM	mohammad	5/6/2025 4:48:57	Peak Integrated by Software
AR1660ICC050	PO110896.D	AR-1260-5 #2	yogesh	5/5/2025 7:39:44 AM	mohammad	5/6/2025 4:48:57	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-1 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-2 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-3	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-3 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-4	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-4 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	Tetrachloro-m-xylene	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	Tetrachloro-m-xylene #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICV500	PO110924.D	AR-1268-1	yogesh	5/5/2025 7:39:50 AM	mohammad	5/6/2025 4:48:51	Peak Integrated by Software

Manual Integration Report

Sequence:

PO050525

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1936-03	PO110936.D	Tetrachloro-m-xylene	yogesh	5/6/2025 9:20:15 AM	 	 	Peak Integrated by Software
Q1936-03	PO110936.D	Tetrachloro-m-xylene #2	yogesh	5/6/2025 9:20:15 AM	 	 	Peak Integrated by Software
Q1936-07	PO110938.D	Tetrachloro-m-xylene	yogesh	5/6/2025 9:20:17 AM	 	 	Peak Integrated by Software
Q1936-07	PO110938.D	Tetrachloro-m-xylene #2	yogesh	5/6/2025 9:20:17 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM
SubDirectory	PO050225	HP Acquire Method	HP Processing Method PO050225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	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,PP2		

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110890.D	02 May 2025 09:08	YP/AJ	Ok
2	I.BLK	PO110891.D	02 May 2025 09:27	YP/AJ	Ok
3	AR1660ICC1000	PO110892.D	02 May 2025 09:45	YP/AJ	Ok
4	AR1660ICC750	PO110893.D	02 May 2025 10:04	YP/AJ	Ok
5	AR1660ICC500	PO110894.D	02 May 2025 10:21	YP/AJ	Ok
6	AR1660ICC250	PO110895.D	02 May 2025 10:39	YP/AJ	Ok
7	AR1660ICC050	PO110896.D	02 May 2025 10:58	YP/AJ	Ok,M
8	AR1221ICC500	PO110897.D	02 May 2025 11:16	YP/AJ	Ok
9	AR1232ICC500	PO110898.D	02 May 2025 11:34	YP/AJ	Ok
10	AR1242ICC1000	PO110899.D	02 May 2025 11:53	YP/AJ	Ok
11	AR1242ICC750	PO110900.D	02 May 2025 12:11	YP/AJ	Ok
12	AR1242ICC500	PO110901.D	02 May 2025 12:29	YP/AJ	Ok
13	AR1242ICC250	PO110902.D	02 May 2025 12:48	YP/AJ	Ok
14	AR1242ICC050	PO110903.D	02 May 2025 13:06	YP/AJ	Ok
15	AR1248ICC1000	PO110904.D	02 May 2025 13:25	YP/AJ	Ok
16	AR1248ICC750	PO110905.D	02 May 2025 13:43	YP/AJ	Ok
17	AR1248ICC500	PO110906.D	02 May 2025 14:00	YP/AJ	Ok
18	AR1248ICC250	PO110907.D	02 May 2025 14:35	YP/AJ	Ok
19	AR1248ICC050	PO110908.D	02 May 2025 14:53	YP/AJ	Ok
20	AR1254ICC1000	PO110909.D	02 May 2025 15:12	YP/AJ	Ok
21	AR1254ICC750	PO110910.D	02 May 2025 15:30	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM
SubDirectory	PO050225	HP Acquire Method	HP Processing Method PO050225
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			
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	PO110911.D	02 May 2025 15:48	YP/AJ	Ok
23	AR1254ICC250	PO110912.D	02 May 2025 16:07	YP/AJ	Ok
24	AR1254ICC050	PO110913.D	02 May 2025 16:25	YP/AJ	Ok
25	AR1262ICC500	PO110914.D	02 May 2025 17:01	YP/AJ	Ok
26	AR1268ICC1000	PO110915.D	02 May 2025 17:19	YP/AJ	Ok
27	AR1268ICC750	PO110916.D	02 May 2025 17:38	YP/AJ	Ok
28	AR1268ICC500	PO110917.D	02 May 2025 17:55	YP/AJ	Ok
29	AR1268ICC250	PO110918.D	02 May 2025 18:12	YP/AJ	Ok
30	AR1268ICC050	PO110919.D	02 May 2025 18:29	YP/AJ	Ok,M
31	PO050225ICV500	PO110920.D	02 May 2025 19:41	YP/AJ	Ok
32	AR1242ICV500	PO110921.D	02 May 2025 20:18	YP/AJ	Ok
33	AR1248ICV500	PO110922.D	02 May 2025 20:54	YP/AJ	Ok
34	AR1254ICV500	PO110923.D	02 May 2025 21:31	YP/AJ	Ok
35	AR1268ICV500	PO110924.D	02 May 2025 22:08	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO050525

Review By	yogesh	Review On	5/5/2025 11:48:50 AM
Supervise By		Supervise On	
SubDirectory	PO050525	HP Acquire Method	HP Processing Method PO050225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	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 9,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,PP2		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110925.D	05 May 2025 09:13	YP/AJ	Ok
2	AR1660CCC500	PO110926.D	05 May 2025 10:03	YP/AJ	Ok
3	AR1242CCC500	PO110927.D	05 May 2025 10:21	YP/AJ	Ok
4	AR1248CCC500	PO110928.D	05 May 2025 10:40	YP/AJ	Ok
5	AR1254CCC500	PO110929.D	05 May 2025 10:58	YP/AJ	Ok
6	I.BLK	PO110930.D	05 May 2025 11:16	YP/AJ	Ok
7	PB167853BL	PO110931.D	05 May 2025 13:09	YP/AJ	Ok
8	PB167853BS	PO110932.D	05 May 2025 13:27	YP/AJ	Ok
9	Q1936-01	PO110933.D	05 May 2025 13:45	YP/AJ	Ok
10	Q1936-01MS	PO110934.D	05 May 2025 14:04	YP/AJ	Ok
11	Q1936-01MSD	PO110935.D	05 May 2025 14:22	YP/AJ	Ok
12	Q1936-03	PO110936.D	05 May 2025 14:40	YP/AJ	Ok,NS
13	Q1936-05	PO110937.D	05 May 2025 14:59	YP/AJ	Ok
14	Q1936-07	PO110938.D	05 May 2025 15:17	YP/AJ	Ok,NS
15	Q1937-01	PO110939.D	05 May 2025 15:36	YP/AJ	Ok
16	Q1937-03	PO110940.D	05 May 2025 15:54	YP/AJ	Ok
17	AR1660CCC500	PO110941.D	05 May 2025 17:07	YP/AJ	Ok
18	AR1242CCC500	PO110942.D	05 May 2025 17:44	YP/AJ	Ok
19	AR1248CCC500	PO110943.D	05 May 2025 18:02	YP/AJ	Ok
20	AR1254CCC500	PO110944.D	05 May 2025 18:21	YP/AJ	Ok
21	I.BLK	PO110945.D	05 May 2025 18:39	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM
SubDirectory	PO050225	HP Acquire Method	HP Processing Method PO050225

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	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 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110890.D	02 May 2025 09:08		YP/AJ	Ok
2	I.BLK	I.BLK	PO110891.D	02 May 2025 09:27		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO110892.D	02 May 2025 09:45		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO110893.D	02 May 2025 10:04		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO110894.D	02 May 2025 10:21		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO110895.D	02 May 2025 10:39		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO110896.D	02 May 2025 10:58		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO110897.D	02 May 2025 11:16		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO110898.D	02 May 2025 11:34		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO110899.D	02 May 2025 11:53		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO110900.D	02 May 2025 12:11		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO110901.D	02 May 2025 12:29		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO110902.D	02 May 2025 12:48		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO110903.D	02 May 2025 13:06		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO110904.D	02 May 2025 13:25		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO110905.D	02 May 2025 13:43		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO110906.D	02 May 2025 14:00		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO110907.D	02 May 2025 14:35		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM
SubDirectory	PO050225	HP Acquire Method	HP Processing Method PO050225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	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 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		

19	AR1248ICC050	AR1248ICC050	PO110908.D	02 May 2025 14:53		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO110909.D	02 May 2025 15:12		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO110910.D	02 May 2025 15:30		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO110911.D	02 May 2025 15:48		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO110912.D	02 May 2025 16:07		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO110913.D	02 May 2025 16:25		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO110914.D	02 May 2025 17:01		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO110915.D	02 May 2025 17:19		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO110916.D	02 May 2025 17:38		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO110917.D	02 May 2025 17:55		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO110918.D	02 May 2025 18:12		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO110919.D	02 May 2025 18:29		YP/AJ	Ok,M
31	PO050225ICV500	ICVPO050225	PO110920.D	02 May 2025 19:41		YP/AJ	Ok
32	AR1242ICV500	ICVPO050225AR1242	PO110921.D	02 May 2025 20:18		YP/AJ	Ok
33	AR1248ICV500	ICVPO050225AR1248	PO110922.D	02 May 2025 20:54		YP/AJ	Ok
34	AR1254ICV500	ICVPO050225AR1254	PO110923.D	02 May 2025 21:31		YP/AJ	Ok
35	AR1268ICV500	ICVPO050225AR1268	PO110924.D	02 May 2025 22:08		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO050525

Review By	yogesh	Review On	5/5/2025 11:48:50 AM
Supervise By		Supervise On	
SubDirectory	PO050525	HP Acquire Method	HP Processing Method PO050225

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	
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	PO110925.D	05 May 2025 09:13		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO110926.D	05 May 2025 10:03		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO110927.D	05 May 2025 10:21		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO110928.D	05 May 2025 10:40		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO110929.D	05 May 2025 10:58		YP/AJ	Ok
6	I.BLK	I.BLK	PO110930.D	05 May 2025 11:16		YP/AJ	Ok
7	PB167853BL	PB167853BL	PO110931.D	05 May 2025 13:09		YP/AJ	Ok
8	PB167853BS	PB167853BS	PO110932.D	05 May 2025 13:27		YP/AJ	Ok
9	Q1936-01	SMALL-PILE-A	PO110933.D	05 May 2025 13:45		YP/AJ	Ok
10	Q1936-01MS	SMALL-PILE-AMS	PO110934.D	05 May 2025 14:04		YP/AJ	Ok
11	Q1936-01MSD	SMALL-PILE-AMSD	PO110935.D	05 May 2025 14:22		YP/AJ	Ok
12	Q1936-03	SMALL-PILE-B	PO110936.D	05 May 2025 14:40		YP/AJ	Ok,NS
13	Q1936-05	SMALL-PILE-C	PO110937.D	05 May 2025 14:59		YP/AJ	Ok
14	Q1936-07	SMALL-PILE-D	PO110938.D	05 May 2025 15:17		YP/AJ	Ok,NS
15	Q1937-01	LARGE-PILE-A	PO110939.D	05 May 2025 15:36		YP/AJ	Ok
16	Q1937-03	LARGE-PILE-B	PO110940.D	05 May 2025 15:54		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO110941.D	05 May 2025 17:07		YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO110942.D	05 May 2025 17:44		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO050525

Review By	yogesh	Review On	5/5/2025 11:48:50 AM
Supervise By		Supervise On	
SubDirectory	PO050525	HP Acquire Method	HP Processing Method PO050225

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	
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	AR1248CCC500	AR1248CCC500	PO110943.D	05 May 2025 18:02		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO110944.D	05 May 2025 18:21		YP/AJ	Ok
21	I.BLK	I.BLK	PO110945.D	05 May 2025 18:39		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1913-01	WC-12-S-202504	1	1.18	10.32	11.5	9.49	80.5	
Q1913-03	WC-13-S-202504	2	1.19	10.37	11.56	9.83	83.3	
Q1936-01	SMALL-PILE-A	33	1.15	9.94	11.09	10.18	90.8	
Q1936-02	SMALL-PILE-A	34	1.17	9.94	11.11	10.22	91.0	
Q1936-03	SMALL-PILE-B	35	1.18	10.39	11.57	10.93	93.8	
Q1936-04	SMALL-PILE-B	36	1.18	9.88	11.06	10.44	93.7	
Q1936-05	SMALL-PILE-C	37	1.15	10.03	11.18	10.9	97.2	
Q1936-06	SMALL-PILE-C	38	1.15	10.25	11.4	11.01	96.2	
Q1936-07	SMALL-PILE-D	39	1.16	10.41	11.57	10.97	94.2	
Q1936-08	SMALL-PILE-D	40	1.18	9.96	11.14	10.55	94.1	
Q1937-01	LARGE-PILE-A	41	1.15	10.13	11.28	10.7	94.3	
Q1937-02	LARGE-PILE-A	42	1.18	9.58	10.76	10.2	94.2	
Q1937-03	LARGE-PILE-B	43	1.15	10.03	11.18	10.82	96.4	
Q1937-04	LARGE-PILE-B	44	1.17	10.04	11.21	10.72	95.1	
Q1937-05	LARGE-PILE-C	45	1.16	10.19	11.35	10.83	94.9	
Q1937-06	LARGE-PILE-C	46	1.19	10.06	11.25	10.63	93.8	
Q1937-07	LARGE-PILE-D	47	1.18	10.33	11.51	10.95	94.6	
Q1937-08	LARGE-PILE-D	48	1.17	9.75	10.92	10.33	93.9	
Q1937-09	LARGE-PILE-E	49	1.16	10.14	11.3	10.52	92.3	
Q1937-10	LARGE-PILE-E	50	1.18	10.30	11.48	10.76	93.0	
Q1937-11	LARGE-PILE-F	51	1.18	10.48	11.66	10.58	89.7	
Q1937-12	LARGE-PILE-F	52	1.18	10.25	11.43	10.44	90.3	
Q1938-01	LOWER-WALL-PILE-A	53	1.15	10.33	11.48	10.77	93.1	
Q1938-02	LOWER-WALL-PILE-A	54	1.17	10.50	11.67	10.71	90.9	
Q1938-03	LOWER-WALL-PILE-B	55	1.14	10.15	11.29	10.94	96.6	
Q1938-04	LOWER-WALL-PILE-B	56	1.18	9.90	11.08	10.68	96.0	
Q1938-05	LOWER-WALL-PILE-C	57	1.17	10.23	11.4	11.07	96.8	
Q1938-06	LOWER-WALL-PILE-C	58	1.12	9.82	10.94	10.7	97.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1938-07	LOWER-WALL-PILE-D	59	1.19	10.01	11.2	10.7	95.0	
Q1938-08	LOWER-WALL-PILE-D	60	1.17	10.23	11.4	10.86	94.7	
Q1942-05	SVOC-GPC-BLANK	3	1.00	1.00	2.00	2.00	100.0	
Q1942-06	PEST-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1942-07	PEST-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1942-08	PCB-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1942-09	PCB-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q1942-10	SVOC-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q1942-11	PEST-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1942-12	PEST-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1942-13	PCB-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1942-14	PCB-GCP2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q1944-01	MELTED-RUBBER-SAMPLE	13	1.00	1.00	2.00	2.00	100.0	MELTED-RUBBER-SAMPLE
Q1946-01	BB-CONCRETE	14	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1946-02	BB-CONCRETE	15	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1947-01	MH-P	16	1.18	10.19	11.37	9.28	79.5	
Q1947-02	MH-P-EPH	17	1.15	10.84	11.99	10.64	87.5	
Q1947-03	MH-P-VOC	18	1.16	10.71	11.87	10.5	87.2	
Q1947-05	MH-O	19	1.14	10.59	11.73	10.52	88.6	
Q1947-06	MH-O-EPH	20	1.12	10.00	11.12	9.91	87.9	
Q1947-07	MH-O-VOC	21	1.17	10.00	11.17	9.95	87.8	
Q1951-01	MH-KK	22	1.18	10.40	11.58	10.01	84.9	
Q1951-02	MH-KK-EPH	23	1.16	10.29	11.45	9.91	85.0	
Q1951-03	MH-KK-VOC	24	1.17	10.25	11.42	9.86	84.8	
Q1952-01	CLEAN-FILL	25	1.18	10.49	11.67	8.98	74.4	
Q1952-02	CLEAN-FILL-E2	26	1.13	10.10	11.23	8.47	72.7	
Q1953-01	AUD-25-0075	27	1.00	1.00	2.00	2.00	100.0	pile
Q1953-02	AUD-25-0076	28	1.00	1.00	2.00	2.00	100.0	pile



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1953-03	AUD-25-0077	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-01	BC260874-1-1	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-02	BC260874-1-2	31	1.00	1.00	2.00	2.00	100.0	oilc
Q1955-01	LAW-25-0066	32	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

173546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-01	WC-12-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1913-03	WC-13-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1936-01	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-02	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-03	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-04	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-05	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-06	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-07	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-08	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1937-01	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-02	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-03	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-04	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-05	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-06	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-07	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-08	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-09	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-10	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-11	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/02/25 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

172546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1937-12	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-01	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-02	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-03	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-04	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-05	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-06	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-07	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-08	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1942-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/01/2025	Chemtech -SO
Q1942-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1944-01	MELTED-RUBBER-SAMPLE	Solid	Percent Solids	Cool 4 deg C	METE01	L41	05/02/2025	Chemtech -SO
Q1946-01	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

Date/Time 05/02/25

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

WORKLIST(Hardcopy Internal Chain)

8/23/25

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1946-02	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-01	MH-P	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-02	MH-P-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-03	MH-P-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-05	MH-O	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-06	MH-O-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-07	MH-O-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1951-01	MH-KK	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1951-02	MH-KK-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1951-03	MH-KK-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1952-01	CLEAN-FILL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1952-02	CLEAN-FILL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1953-01	AUD-25-0075	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1953-02	AUD-25-0076	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1953-03	AUD-25-0077	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-01	BC260874-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-02	BC260874-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1955-01	LAW-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: 88 WOC,

Raw Sample Relinquished by: 88 WOC,

Date/Time 05/02/25 17:10

Raw Sample Received by: 88 WOC,

Raw Sample Relinquished by: 88 WOC,

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 05/05/2025

Extraction Start Time : 08:35

Extraction End Date : 05/05/2025

Extraction End Time : 11:35

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
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	EP2607
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.

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
5/5/25	RS (B4 Lab)	Y-P Pest IP CO.
11:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/05/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167853BL	ABLK853	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167853BS	ALCS853	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q1936-01	SMALL-PILE-A	PCB	30.04	N/A	ritesh	Evelyn	10	B		3
Q1936-01MS	SMALL-PILE-AMS	PCB	30.03	N/A	ritesh	Evelyn	10	B		4
Q1936-01MS D	SMALL-PILE-AMSD	PCB	30.01	N/A	ritesh	Evelyn	10	B		5
Q1936-03	SMALL-PILE-B	PCB	30.05	N/A	ritesh	Evelyn	10	B		6
Q1936-05	SMALL-PILE-C	PCB	30.03	N/A	ritesh	Evelyn	10	B		U2-1
Q1936-07	SMALL-PILE-D	PCB	30.06	N/A	ritesh	Evelyn	10	B		2
Q1937-01	LARGE-PILE-A	PCB	30.06	N/A	ritesh	Evelyn	10	B		3
Q1937-03	LARGE-PILE-B	PCB	30.05	N/A	ritesh	Evelyn	10	D		4
Q1937-05	LARGE-PILE-C	PCB	30.01	N/A	ritesh	Evelyn	10	D		5
Q1937-07	LARGE-PILE-D	PCB	30.08	N/A	ritesh	Evelyn	10	B		6
Q1937-09	LARGE-PILE-E	PCB	30.03	N/A	ritesh	Evelyn	10	B		U3-1
Q1937-11	LARGE-PILE-F	PCB	30.05	N/A	ritesh	Evelyn	10	D		2
Q1938-01	LOWER-WALL-PILE-A	PCB	30.02	N/A	ritesh	Evelyn	10	B		3
Q1938-03	LOWER-WALL-PILE-B	PCB	30.08	N/A	ritesh	Evelyn	10	B		4
Q1938-05	LOWER-WALL-PILE-C	PCB	30.07	N/A	ritesh	Evelyn	10	B		5
Q1938-07	LOWER-WALL-PILE-D	PCB	30.05	N/A	ritesh	Evelyn	10	D		6
Q1946-01	BB-CONCRETE	PCB	30.04	N/A	ritesh	Evelyn	10	E	Concrete	U7-1
Q1947-01	MH-P	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q1947-05	MH-O	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q1951-01	MH-KK	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q1952-01	CLEAN-FILL	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
Q1955-01	LAW-25-0066	PCB	30.09	N/A	ritesh	Evelyn	10	B	Concrete	6

* Extracts relinquished on the same date as received.

RS
ST5

67853
00135

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1936 WorkList ID : 189297 Department : Extraction Date : 05-05-2025 08:30:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1936-01	SMALL-PILE-A	Solid	PCB	Cool 4 deg C	SAXT01	L51	05/01/2025	8082A
Q1936-03	SMALL-PILE-B	Solid	PCB	Cool 4 deg C	SAXT01	L51	05/01/2025	8082A
Q1936-05	SMALL-PILE-C	Solid	PCB	Cool 4 deg C	SAXT01	L51	05/01/2025	8082A
Q1936-07	SMALL-PILE-D	Solid	PCB	Cool 4 deg C	SAXT01	L51	05/01/2025	8082A
Q1937-01	LARGE-PILE-A	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1937-03	LARGE-PILE-B	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1937-05	LARGE-PILE-C	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1937-07	LARGE-PILE-D	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1937-09	LARGE-PILE-E	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1937-11	LARGE-PILE-F	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1938-01	LOWER-WALL-PILE-A	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1938-03	LOWER-WALL-PILE-B	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1938-05	LOWER-WALL-PILE-C	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1938-07	LOWER-WALL-PILE-D	Solid	PCB	Cool 4 deg C	SAXT01	L41	05/01/2025	8082A
Q1946-01	BB-CONCRETE	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/02/2025	8082A
Q1947-01	MH-P	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/02/2025	8082A
Q1947-05	MH-O	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/02/2025	8082A
Q1951-01	MH-KK	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/02/2025	8082A
Q1952-01	CLEAN-FILL	Solid	PCB	Cool 4 deg C	PSEG03	L21	05/02/2025	8082A
Q1955-01	LAW-25-0066	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/02/2025	8082A

Date/Time 05/05/25 8:30
Raw Sample Received by: RJ LFL-(ab) SA
Raw Sample Relinquished by: SA

Date/Time 05/05/25 9:00
Raw Sample Received by: SA
Raw Sample Relinquished by: RJ LFL-(ab)

Prep Standard - Chemical Standard Summary

Order ID : Q1936

Test : PCB

Prepbatch ID : PB167853,

Sequence ID/Qc Batch ID: PO050525,

Standard ID :

EP2565,EP2601,EP2607,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,PP24461,

Chemical ID :

E2865,E3551,E3804,E3877,E3916,E3917,E3928,M5173,P11522,P12699,P12702,P12931,P12936,P12949,P12955,P12957,P13355,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,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

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>
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	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

<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

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>
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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	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
								04/16/2025

FROM 1.00000ml of P13355 + 999.00000ml of E3917 = Final Quantity: 1000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24461	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel
<u>FROM</u> 0.50000ml of P12955 + 99.50000ml of E3917 = Final Quantity: 100.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	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

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

CHEMICAL RECEIPT LOG BOOK

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	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.	20064 / Aroclor 1016/1260	022023	10/11/2025	04/11/2025 / Abdul	12/20/2023 / Yogesh	P12955

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

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 / lwona	07/03/2024 / lwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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

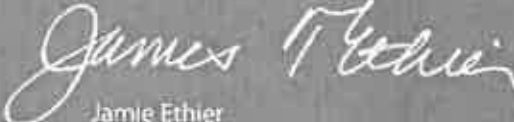
Certificate of Analysis

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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CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
------	---------------	--------

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

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

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.

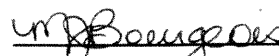
Expiration of Certification:

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

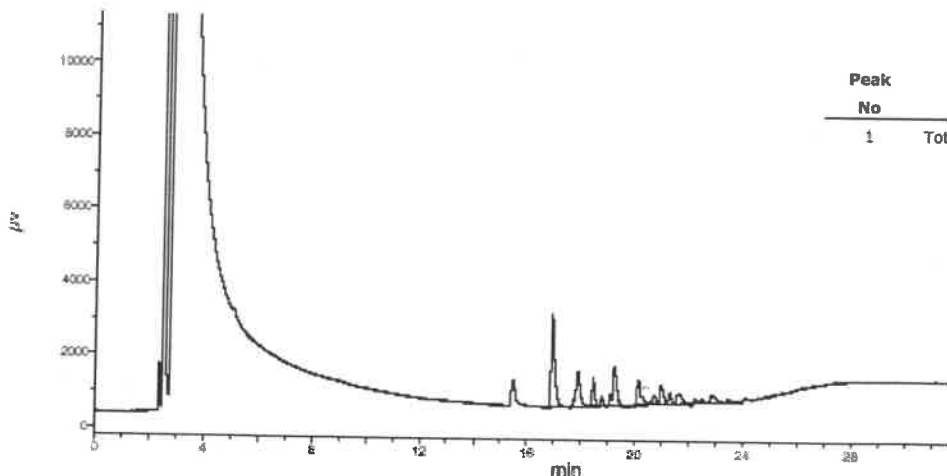
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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





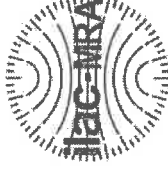
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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:

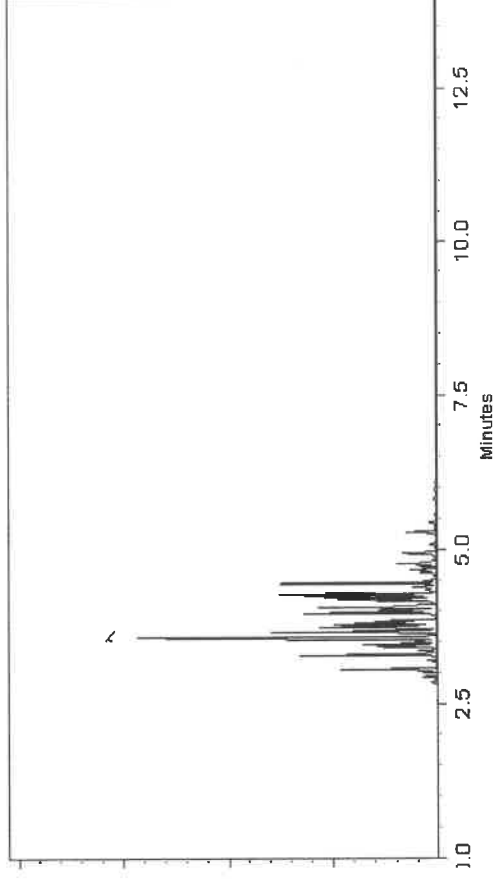
ECD

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 - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



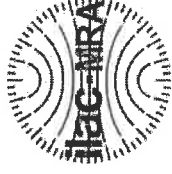
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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:

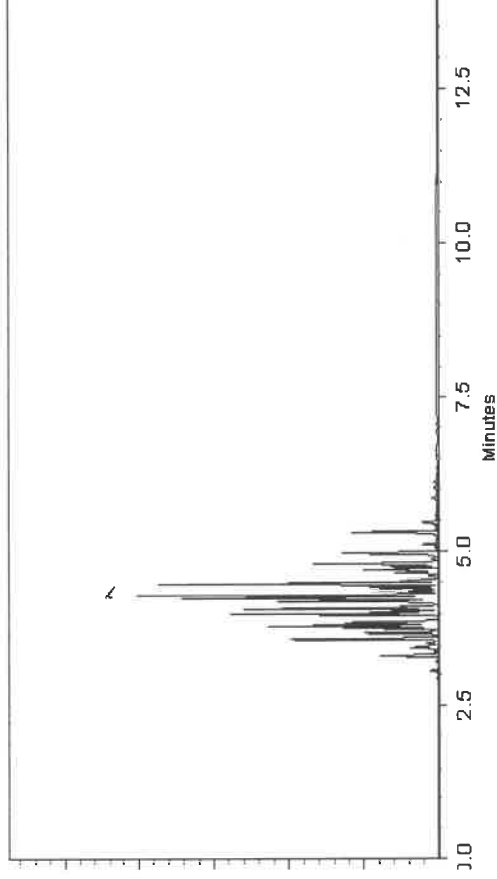
ECD

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.

[Signature]
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

[Signature]
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:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

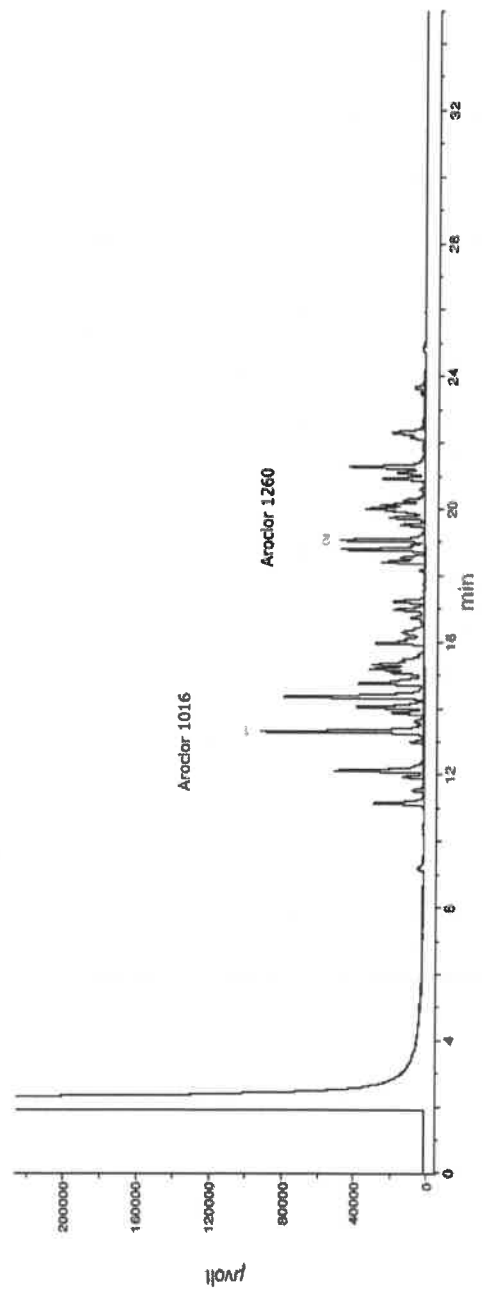
Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

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)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	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:
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
Uncertainty
(+/-) (µg/mL)

4.0

Nominal Concentration (µg/mL):
1000

CAS#

12674-11-2

NIST Test ID#:
6UTB

OSHA PEL (TWA)

0.5mg/m3

Weight(s) shown below were combined and diluted to (mL.):
200.0

LD50

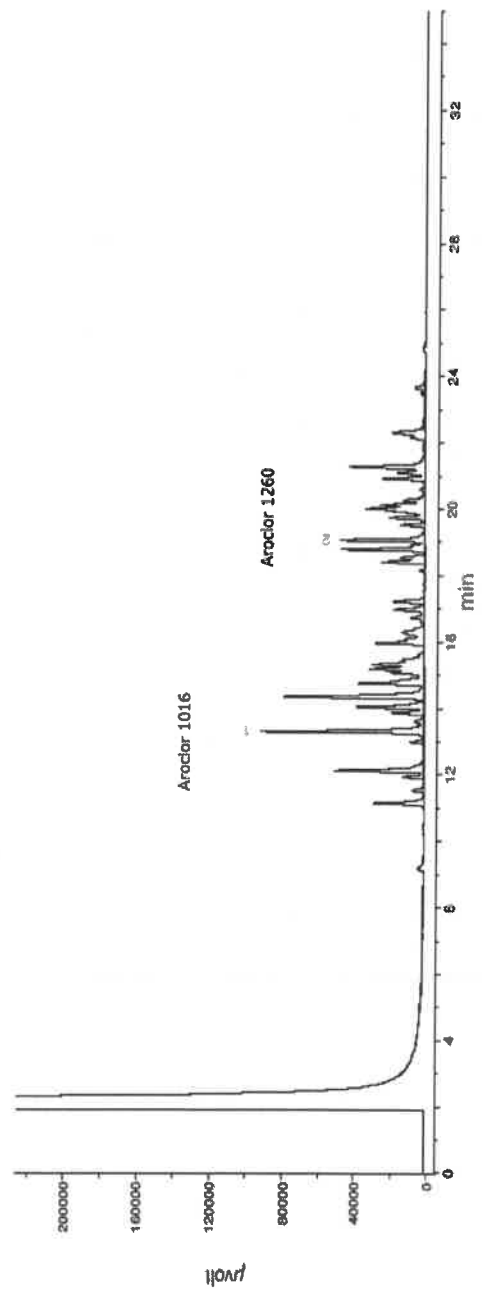
N/A

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)	(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	11096-82-5 0.5mg/m3 orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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

Solvent(s):
Iso-octane

Lot#
82227

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.

Balance Uncertainty
Flask Uncertainty

5E-05
0.003

20.0

6UTB

121833

Ambient (20 °C)

100

6UTB

20.0

5E-05

0.003

Part Number Lot Number Dilution Factor Vol. (mL) Initial Uncertainty Pipette (mL) Final Conc. (µg/mL) Initial Conc. (µg/mL) Expanded Uncertainty (Solvent Safety Info. On Attached pg.) CAS# OSHA PEL (TWA) LD50

121823

79100

0.10

2.00

0.017

1003.3

100.1

1.8

11097-69-1

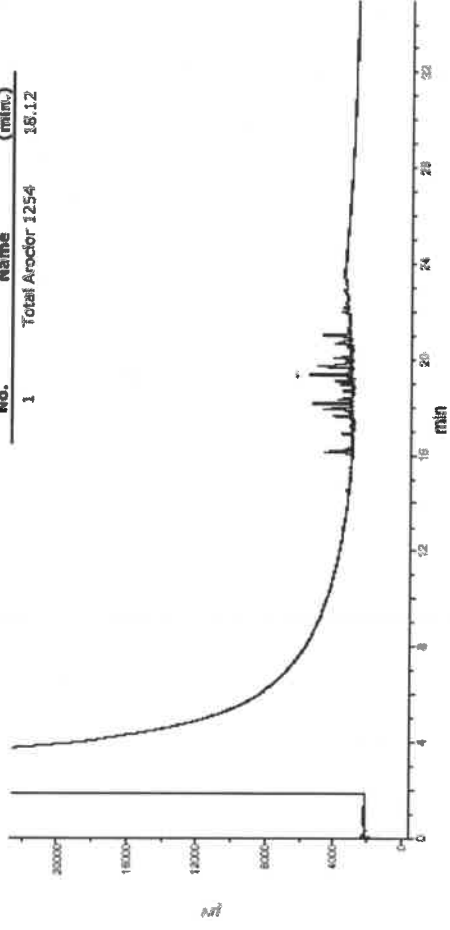
0.5mg/m3 (skin)

Compound	1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg
----------	-----------------	-------	--------	------	------	-------	--------	-------	-----	------------	-----------------	-------------------

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150 °C (Time 1 = 4 min), Temp 2 = 250 °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



Formulated By:	Anthony Mahoney	121823	DATE
Reviewed By:	Pedro L. Rentas	121823	DATE

SDS Information

(Solvent Safety Info. On Attached pg.)

P12956 / Y.P.
12/18/23
P12957



110 Benner Circle
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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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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

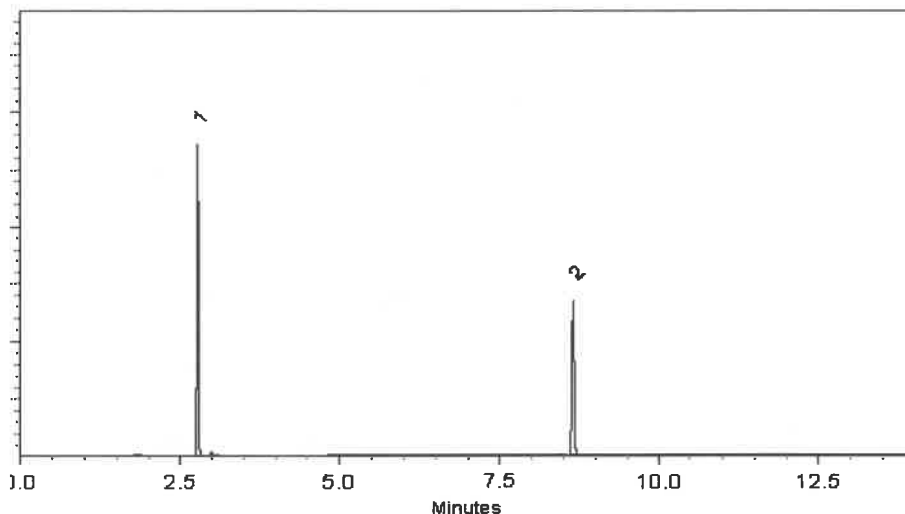
ECD

Split Vent:

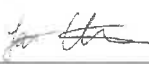
10 ml/min.

Inj. Vol

1µl

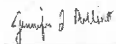


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
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
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

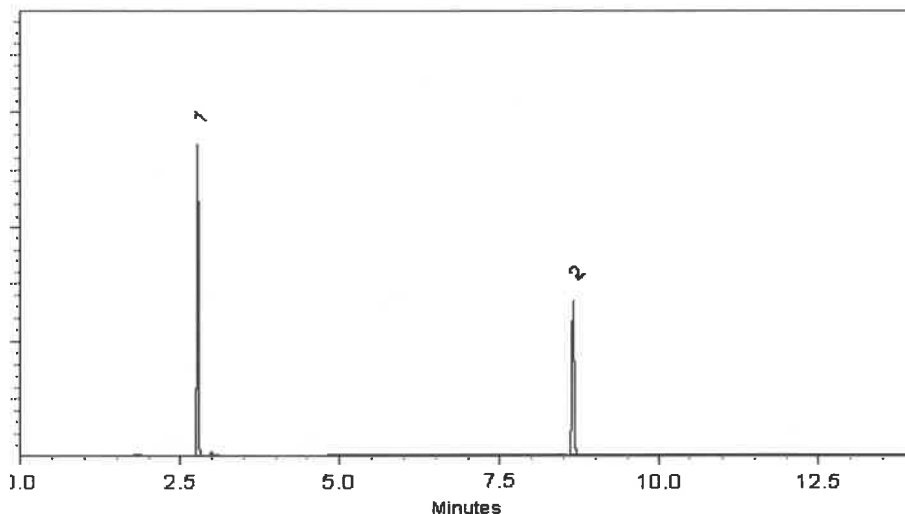
ECD

Split Vent:

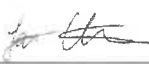
10 ml/min.

Inj. Vol

1µl

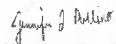


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

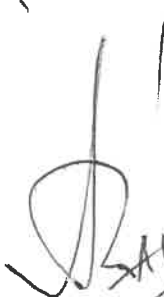
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
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P 13357
10


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.

P13342
AJ
05106124
P13343

Page: 1 of 2

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

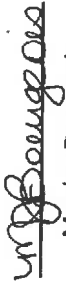
250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



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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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. : 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
↓
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:

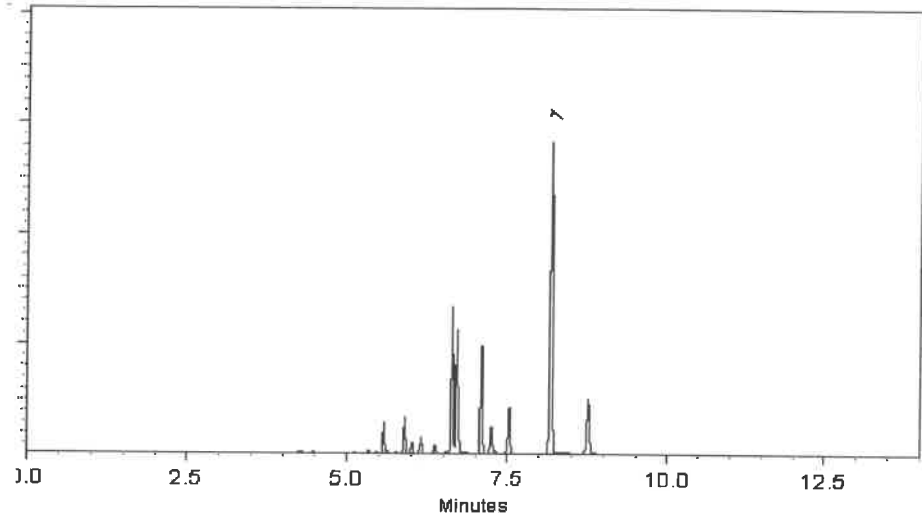
ECD

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

Dylan Murphy
Dylan Murphy - Operations Technician I

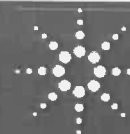
Date Passed: 09-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13380 } (2)
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P13381
1

[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
↓
P13590AJ
10/14/24

ISO 17034



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 95T215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1248 Standard

Lot Number: 0006726317

Product Number: PP-342-1

Lot Issue Date: 27-Jan-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 28-Feb-2031

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3 ±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
↓
P13592

AS
10/14/2024



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1

ISO 17025



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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

P13697
↓
P13701 } Y.P.
10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

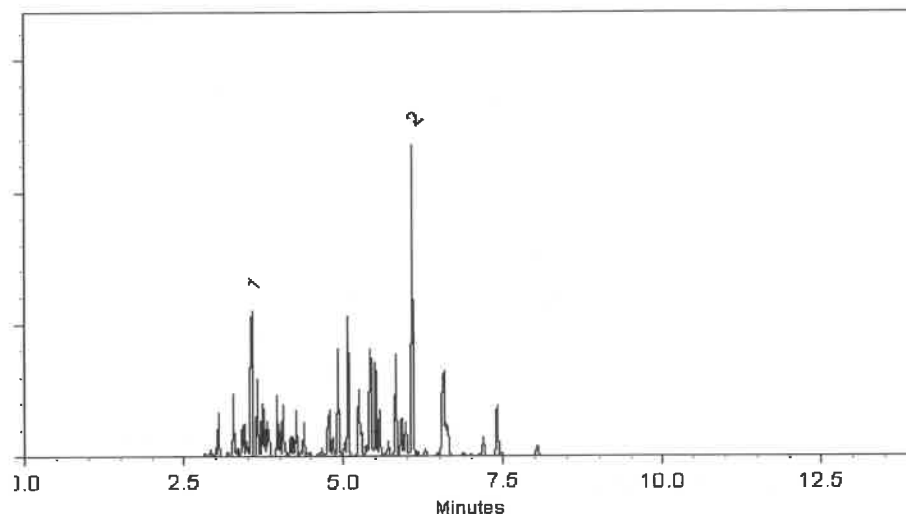
ECD

Split Vent:

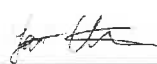
10 ml/min.

Inj. Vol

0.2µl

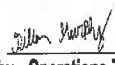


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B442140311


Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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
P13703 } Y.P.
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:

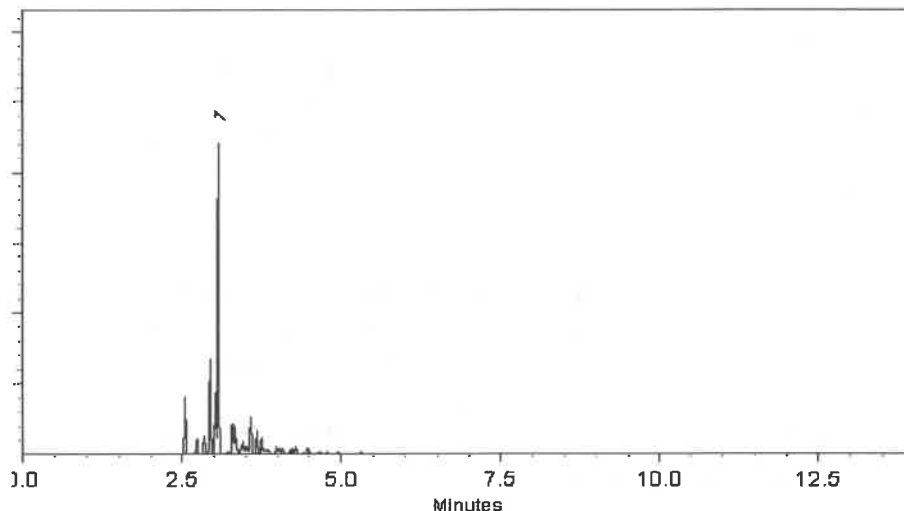
ECD

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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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

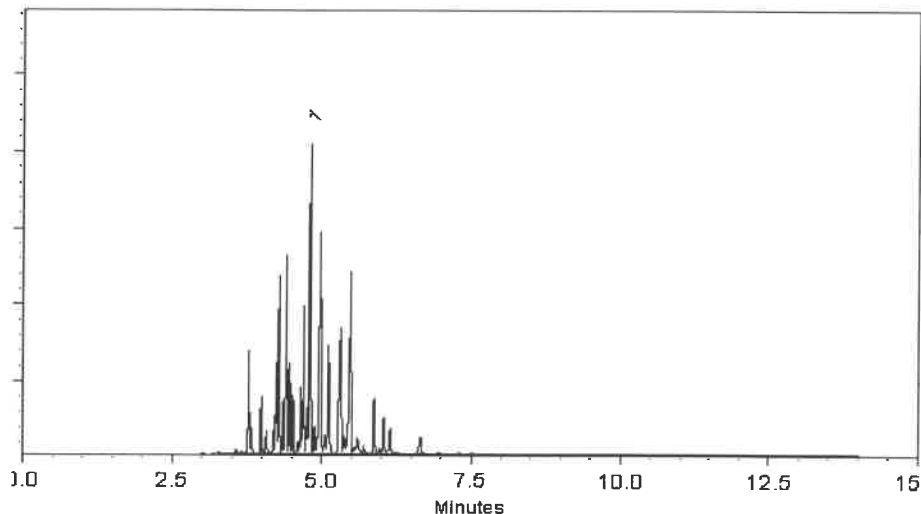
ECD

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



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. : 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:

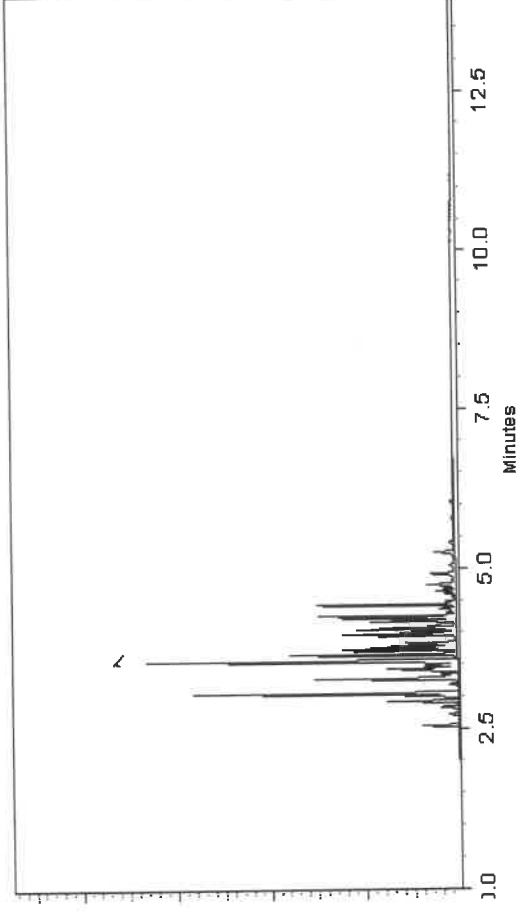
ECD

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



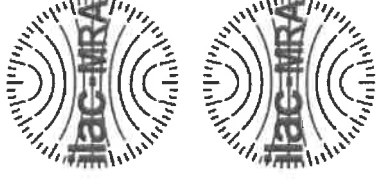
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Fax: 1-814-353-1309

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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%

P13882

↓

AJ
01/28/25

P13883

* 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:

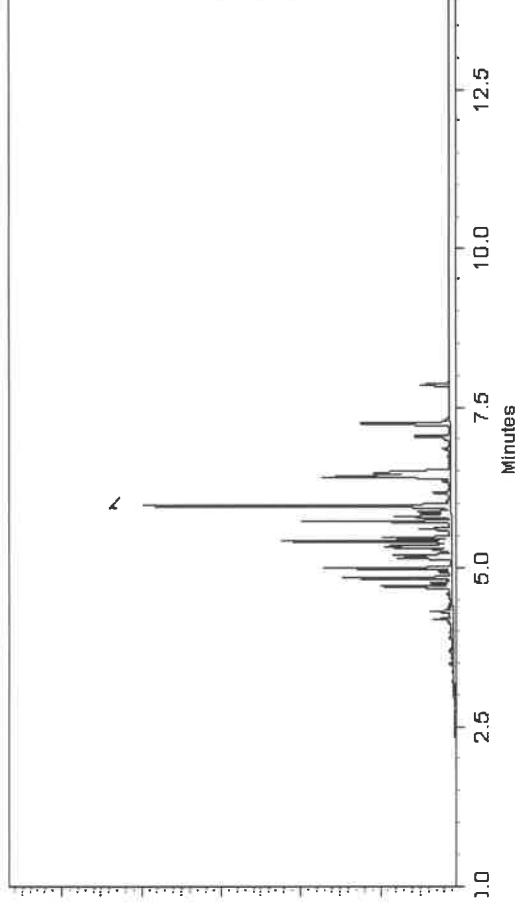
ECD

Split Vent:

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: **DAKTON FALL sand Gravel**
ADDRESS: **3000 International Drive**
CITY **Budd Lake** STATE: **N.J.** ZIP:
ATTENTION: **Rich Schindelar**
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Stan Hope**
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY **same** STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. Hex Chrom
2. PCB
3. SVOC-TCL BWA-20
4. TPH GC
5. Trivalent Chromium
6. Cyanide
7. VOC-TCL VOA-10
8. EPH
9.

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	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Small Pile - A	BOL	X		5-1-25	10:50	4	X	X	X	X	X	X				PID=0.0
2.	A			X		10:52	5							X	X		
3.	B		X			11:00	4	X	X	X	X	X	X				
4.	B			X		11:04	5							X	X		
5.	C		X			11:10	4	X	X	X	X	X	X				
6.	C			X		11:12	5							X	X		
7.	D		X			11:16	4	X	X	X	X	X	X				
8.	D			X		11:18	5							X	X		
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 1410	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 4.1°C
1. [Signature]	5-1-2025	1. [Signature]	Comments: PID Meter Calibrated 5-1-2025
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Equal volume of soil added, 5:1 composite
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME: 1540	RECEIVED BY:	
3. [Signature]	5-1-2025	3. [Signature]	



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Stan Hope

Chemtech Order ID: _____

Service Order #: _____

Sample Name: Laurence Park

Work Order #: _____

Client Project Coordinator & Phone: _____

Labor WBS #: _____

Page #: 1 of 1

Facility/Site: _____

Date: 5.1.2025

Site Address: 3000 International

Arrive Time: 0830

Driver Budd Lake, WY.

Depart Time: 1410

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: _____

Dimensions/CY: _____

Temp (range): _____ °C

PID Readings (range): _____

PPM _____

Odor: Y / N

Color: Y / N

Sample Description: Brown soil, Rocks.

Field Observations: Sample 6, small pile, large pile, however well pile.

Grid/Area Composite Map: _____

QA Control # A3041134

See

Attached

Sampler Signature: 5.1.2025

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____

EXHIBIT 1

Soil Piles for Sampling

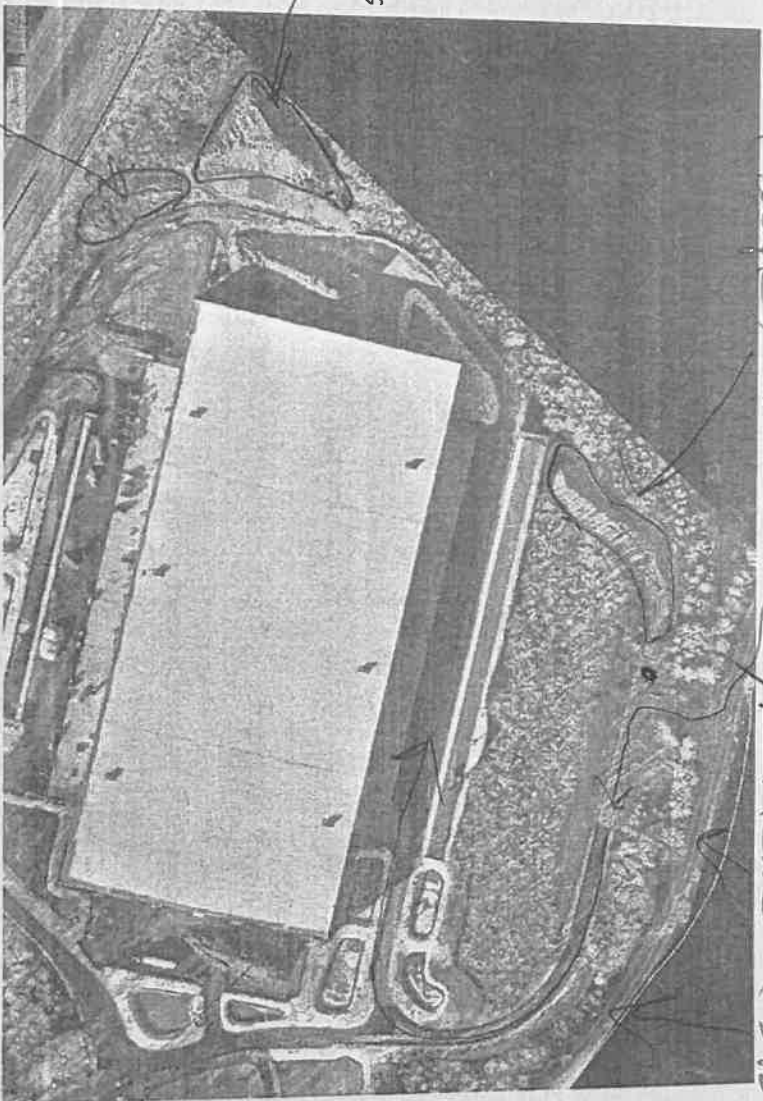
Piles for sampling are circled in red

4 tests

Lower Wall
Pile

4 Samples 25" #

Conteetal Dr.



6 Samples

Large Pile
30" #

4 Samples

Small pile
20" #

Total 14 Samples.

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 : Q1936	SAXT01	Order Date : 5/1/2025 2:00:17 PM	Project Mgr :
Client Name : Saxton Falls Sand and Grav		Project Name : Stan Hope	Report Type : Level 1
Client Contact : Rich Schindelar		Receive DateTime : 5/1/2025 12:00:00 AM	EDD Type : Excel NJ
Invoice Name : Saxton Falls Sand and Grav		Purchase Order : 15:40	Hard Copy Date :
Invoice Contact : Rich Schindelar			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1936-02	SMALL-PILE-A	Solid	05/01/2025	10:52	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1936-04	SMALL-PILE-B	Solid	05/01/2025	11:04	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1936-06	SMALL-PILE-C	Solid	05/01/2025	11:12	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1936-08	SMALL-PILE-D	Solid	05/01/2025	11:18	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

L.C

Date / Time :

5-1-2025 1650

Received By :

W. N. Adach

Date / Time :

5-1-25

16:50

Storage Area : VOA Refridgerator Room

Toracoles

Stored in rot
Fr 02, Extract in
set #06