

Cover Page

Order ID : P4549

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

P4549-01
P4549-02
P4549-03
P4549-04

Client Sample Number

TT-TB-20241024
TT-067-IDWGW-20241024
TT-068-IDWGW-20241024
TT-069-IDWGW-20241024

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

Signature : _____

Date: 11/5/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4549

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/05/2024

LAB CHRONICLE

OrderID:	P4549	OrderDate:	10/24/2024 4:00:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4549-02	TT-067-IDWGW-2024 1024	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/25/24	
P4549-02RE	TT-067-IDWGW-2024 1024RE	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/28/24	
P4549-03	TT-068-IDWGW-2024 1024	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/26/24	
P4549-03RE	TT-068-IDWGW-2024 1024RE	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/28/24	
P4549-04	TT-069-IDWGW-2024 1024	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/25/24	
P4549-04RE	TT-069-IDWGW-2024 1024RE	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/28/24	

Hit Summary Sheet
SW-846

SDG No.: P4549

Order ID: P4549

Client: Tetra Tech NUS, Inc.

Project ID: CTO WE13

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **P4549**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
I.BLK-PO107386.D	PIBLK-PO107386.D	Tetrachloro-m-xylene	1	20	22.3	112		60	140
		Decachlorobiphenyl	1	20	22.6	113		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
P4549-04	TT-069-IDWGW-20241024	Tetrachloro-m-xylene	1	20	17.2	86		35	137
		Decachlorobiphenyl	1	20	6.05	30	*	40	135
		Tetrachloro-m-xylene	2	20	19.2	96		35	137
		Decachlorobiphenyl	2	20	5.68	28	*	40	135
PB164403BS	PB164403BS	Tetrachloro-m-xylene	1	20	20.7	104		35	137
		Decachlorobiphenyl	1	20	21.0	105		40	135
		Tetrachloro-m-xylene	2	20	20.4	102		35	137
		Decachlorobiphenyl	2	20	18.8	94		40	135
PB164403BSD	PB164403BSD	Tetrachloro-m-xylene	1	20	21.5	108		35	137
		Decachlorobiphenyl	1	20	21.1	105		40	135
		Tetrachloro-m-xylene	2	20	20.5	103		35	137
		Decachlorobiphenyl	2	20	19.4	97		40	135
I.BLK-PO107401.D	PIBLK-PO107401.D	Tetrachloro-m-xylene	1	20	22.1	111		60	140
		Decachlorobiphenyl	1	20	21.2	106		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
P4549-02	TT-067-IDWGW-20241024	Tetrachloro-m-xylene	1	20	18.7	93		35	137
		Decachlorobiphenyl	1	20	6.81	34	*	40	135
		Tetrachloro-m-xylene	2	20	19.4	97		35	137
		Decachlorobiphenyl	2	20	6.39	32	*	40	135
P4549-03	TT-068-IDWGW-20241024	Tetrachloro-m-xylene	1	20	17.9	89		35	137
		Decachlorobiphenyl	1	20	5.86	29	*	40	135
		Tetrachloro-m-xylene	2	20	18.4	92		35	137
		Decachlorobiphenyl	2	20	5.62	28	*	40	135
I.BLK-PO107413.D	PIBLK-PO107413.D	Tetrachloro-m-xylene	1	20	21.6	108		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140
I.BLK-PO107424.D	PIBLK-PO107424.D	Tetrachloro-m-xylene	1	20	19.3	96		60	140
		Decachlorobiphenyl	1	20	20.2	101		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	19.6	98		60	140
PB164403BL	PB164403BL	Tetrachloro-m-xylene	1	20	19.6	98		35	137

Surrogate Summary

SDG No.: **P4549**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB164403BL	PB164403BL	Decachlorobiphenyl	1	20	22.5	113		40	135
		Tetrachloro-m-xylene	2	20	20.6	103		35	137
		Decachlorobiphenyl	2	20	22.6	113		40	135
P4549-02RE	TT-067-IDWGW-20241024RE	Tetrachloro-m-xylene	1	20	18.7	94		35	137
		Decachlorobiphenyl	1	20	7.75	39	*	40	135
		Tetrachloro-m-xylene	2	20	19.7	98		35	137
		Decachlorobiphenyl	2	20	7.36	37	*	40	135
		Tetrachloro-m-xylene	1	20	17.5	87		35	137
P4549-03RE	TT-068-IDWGW-20241024RE	Decachlorobiphenyl	1	20	6.58	33	*	40	135
		Tetrachloro-m-xylene	2	20	17.9	90		35	137
		Decachlorobiphenyl	2	20	6.42	32	*	40	135
		Tetrachloro-m-xylene	1	20	18.0	90		35	137
		Decachlorobiphenyl	1	20	6.75	34	*	40	135
P4549-04RE	TT-069-IDWGW-20241024RE	Tetrachloro-m-xylene	2	20	18.8	94		35	137
		Decachlorobiphenyl	2	20	6.42	32	*	40	135
		Tetrachloro-m-xylene	1	20	19.9	100		60	140
		Decachlorobiphenyl	1	20	20.5	103		60	140
		Tetrachloro-m-xylene	2	20	20.5	103		60	140
I.BLK-PO107440.D	PIBLK-PO107440.D	Decachlorobiphenyl	2	20	20.4	102		60	140



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: **8082A** **Datafile :** PO107395.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164403BS	AR1016	5	4.70	ug/L	94				46	129	
	AR1260	5	4.40	ug/L	88				45	134	



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: **8082A** **Datafile :** PO107396.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164403BSD	AR1016	5	4.80	ug/L	96	2			46	129	20
	AR1260	5	4.40	ug/L	88	0			45	134	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164403BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4549

SAS No.: P4549 SDG NO.: P4549

Lab Sample ID: PB164403BL

Lab File ID: PO107429.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/25/2024

Date Analyzed (1): 10/28/2024

Date Analyzed (2): 10/28/2024

Time Analyzed (1): 13:46

Time Analyzed (2): 13:46

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
TT-069-IDWGW-20241024	P4549-04	PO107393.D	10/25/2024	10/25/2024
PB164403BS	PB164403BS	PO107395.D	10/25/2024	10/25/2024
PB164403BSD	PB164403BSD	PO107396.D	10/25/2024	10/25/2024
TT-067-IDWGW-20241024	P4549-02	PO107407.D	10/25/2024	10/25/2024
TT-068-IDWGW-20241024	P4549-03	PO107408.D	10/26/2024	10/26/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-067-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-02	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107407.D	1	10/25/24 09:10	10/25/24 23:49	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.51	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.23	0.41	0.51	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.51	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.51	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.51	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.51	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.51	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.51	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.4		35 - 137		97%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.81	*	40 - 135		34%	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\PO102524\
 Data File : PO107407.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 23:49
 Operator : YP/AJ
 Sample : P4549-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TT-067-IDWGW-20241024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 26 02:03:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	170.1E6	62554692	18.662	19.436
2) SA Decachlor...	10.063	8.638	16715222	17524506	6.813	6.392

Target Compounds

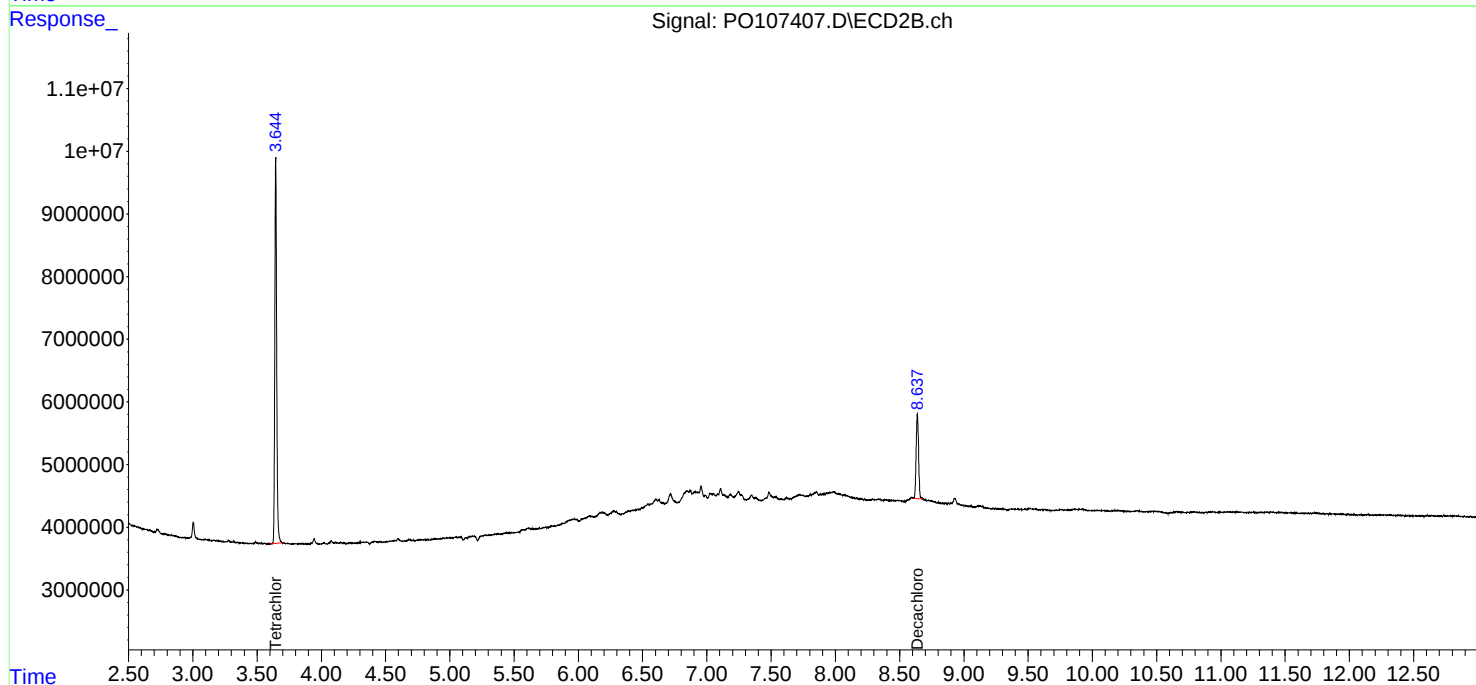
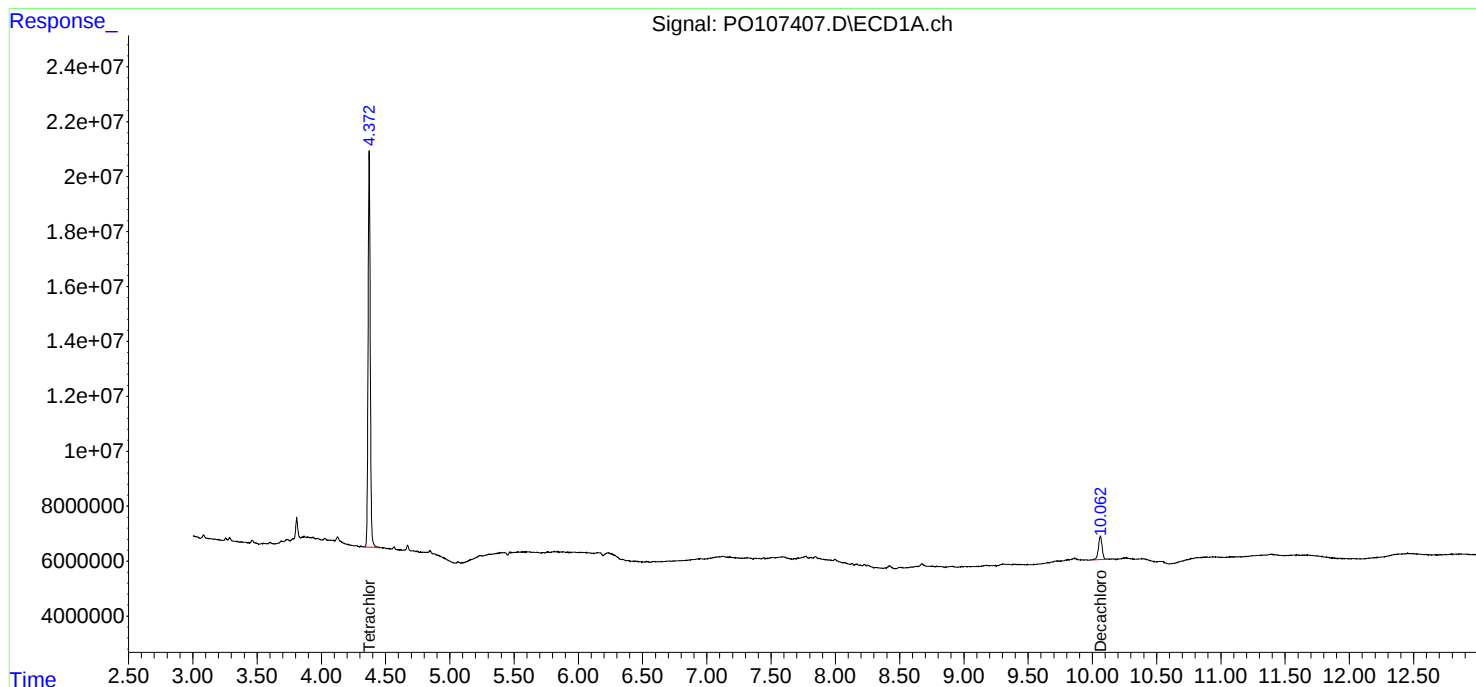
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

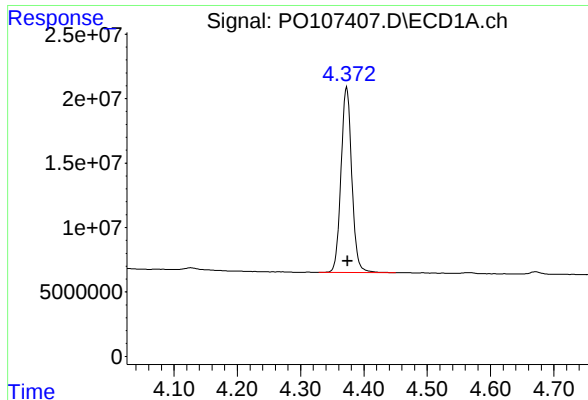
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 23:49
Operator : YP/AJ
Sample : P4549-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-067-IDWGW-20241024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 02:03:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

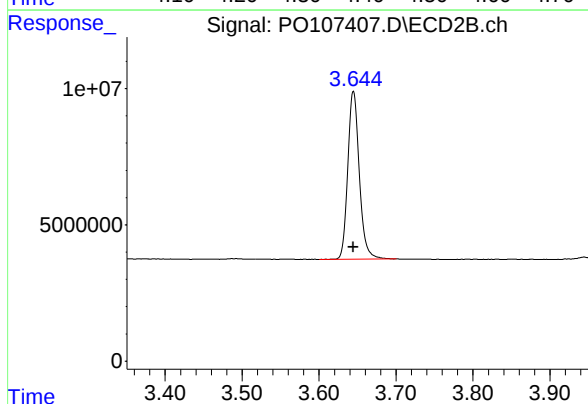




#1 Tetrachloro-m-xylene

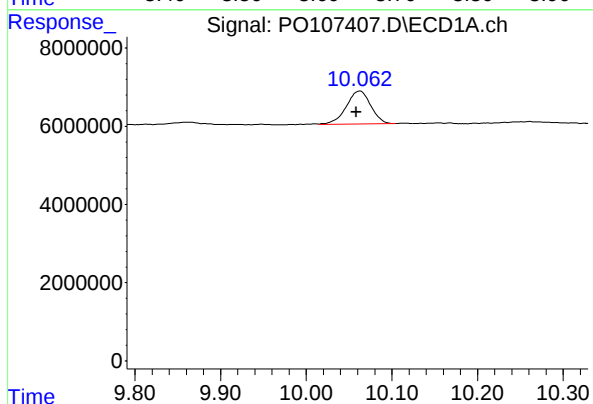
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 170087516
Conc: 18.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
TT-067-IDWGW-20241024



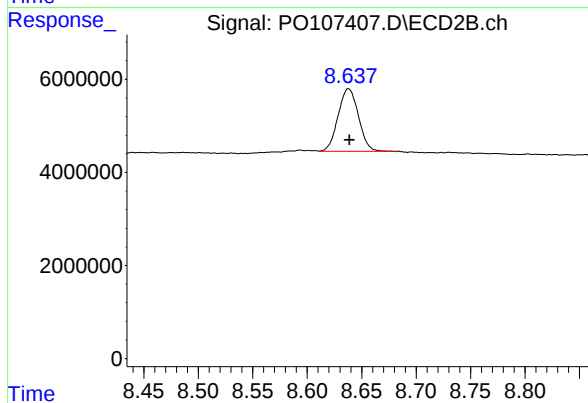
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 62554692
Conc: 19.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.063 min
Delta R.T.: 0.004 min
Response: 16715222
Conc: 6.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 17524506
Conc: 6.39 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-067-IDWGW-20241024RE		SDG No.:	P4549	
Lab Sample ID:	P4549-02RE		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	980	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107430.D	1	10/25/24 09:10	10/28/24 14:04	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.51	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.23	0.41	0.51	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.51	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.51	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.51	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.51	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.51	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.51	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.7		35 - 137		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.75	*	40 - 135		39%	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\PO102824\
Data File : PO107430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:04
Operator : YP/AJ
Sample : P4549-02RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-067-IDWGW-20241024RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 14:25:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.643	170.6E6	63315780	18.721	19.672
2) SA Decachlor...	10.055	8.635	19025861	20172520	7.755	7.358

Target Compounds

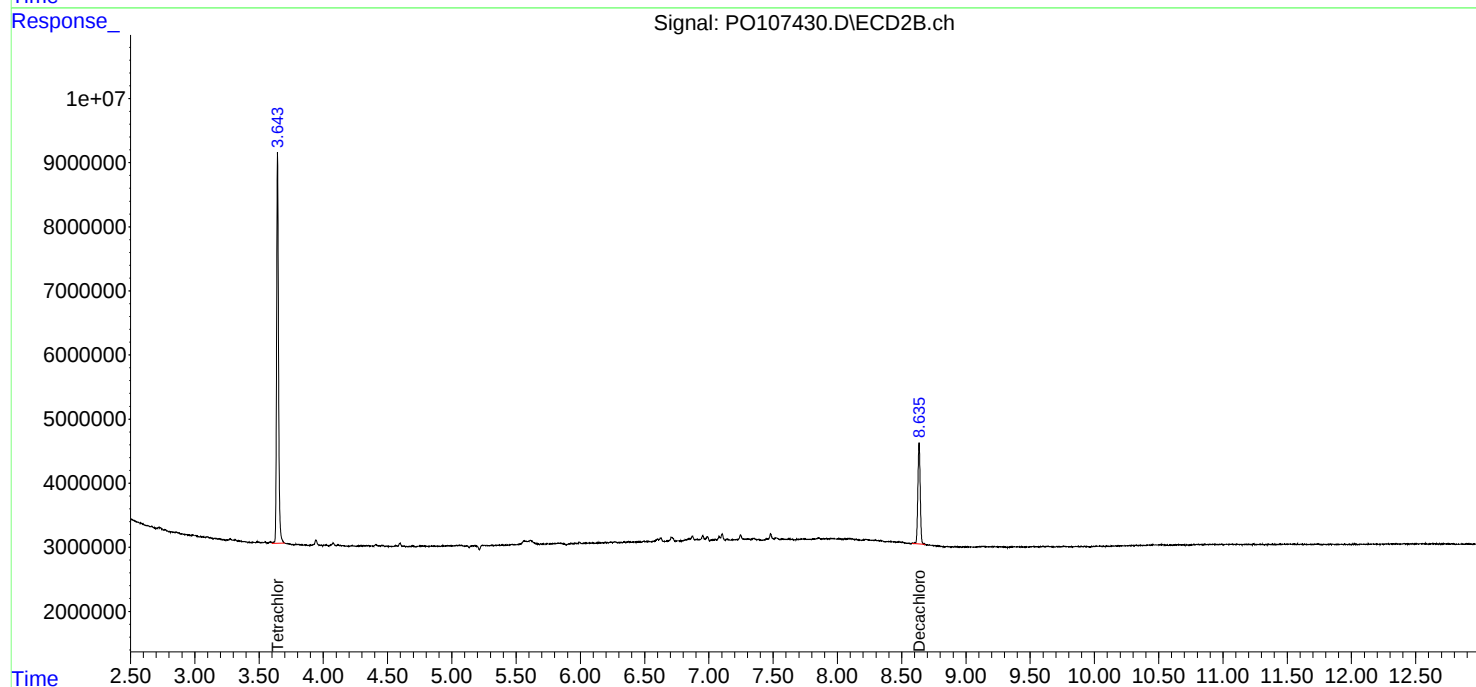
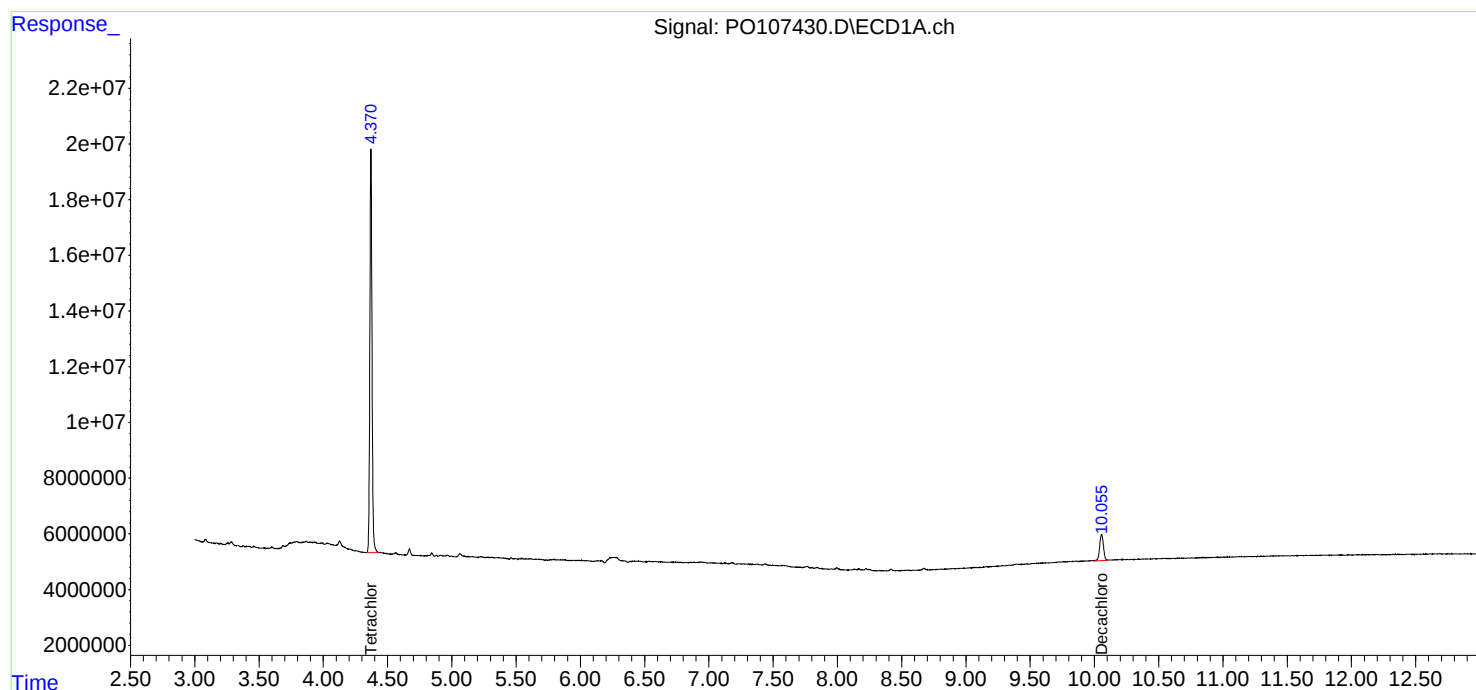
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

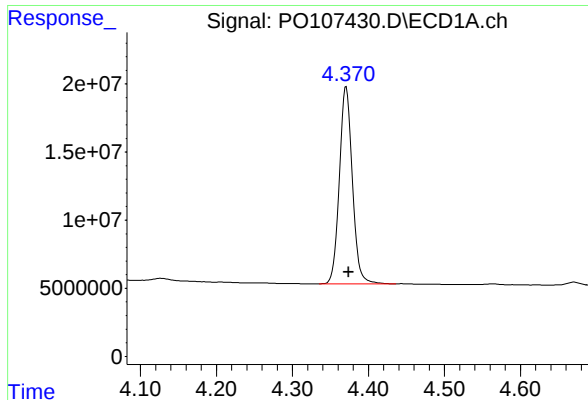
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:04
Operator : YP/AJ
Sample : P4549-02RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-067-IDWGW-20241024RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 14:25:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : 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

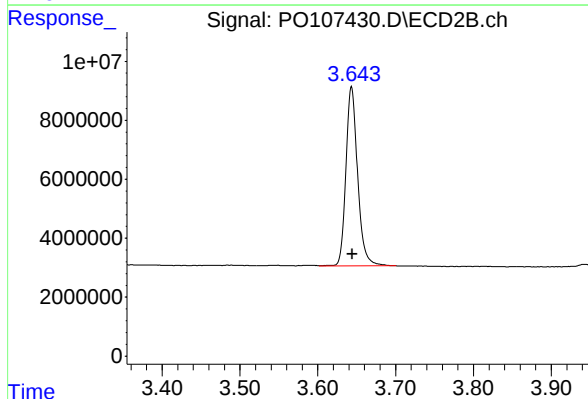




#1 Tetrachloro-m-xylene

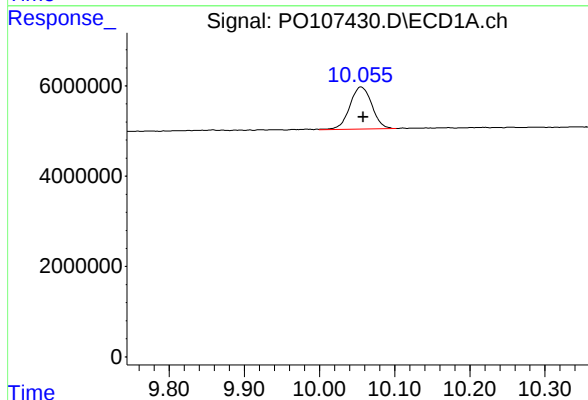
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 170621059
Conc: 18.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
TT-067-IDWGW-20241024RE



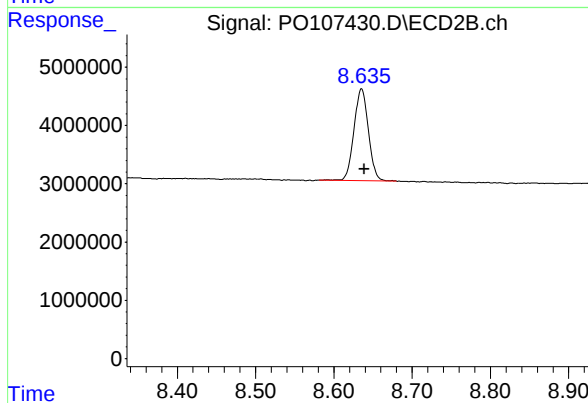
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 63315780
Conc: 19.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 19025861
Conc: 7.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.635 min
Delta R.T.: -0.003 min
Response: 20172520
Conc: 7.36 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-068-IDWGW-20241024		SDG No.:	P4549	
Lab Sample ID:	P4549-03		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	970	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107408.D	1	10/25/24 09:10	10/26/24 00:07	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.24	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.52	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.52	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.52	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.52	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.4		35 - 137		92%	SPK: 20
2051-24-3	Decachlorobiphenyl	5.86	*	40 - 135		29%	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\PO102524\
 Data File : PO107408.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Oct 2024 00:07
 Operator : YP/AJ
 Sample : P4549-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TT-068-IDWGW-20241024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 26 02:04:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	163.0E6	59183474	17.884	18.389
2) SA Decachlor...	10.064	8.639	14379478	15400039	5.861	5.617

Target Compounds

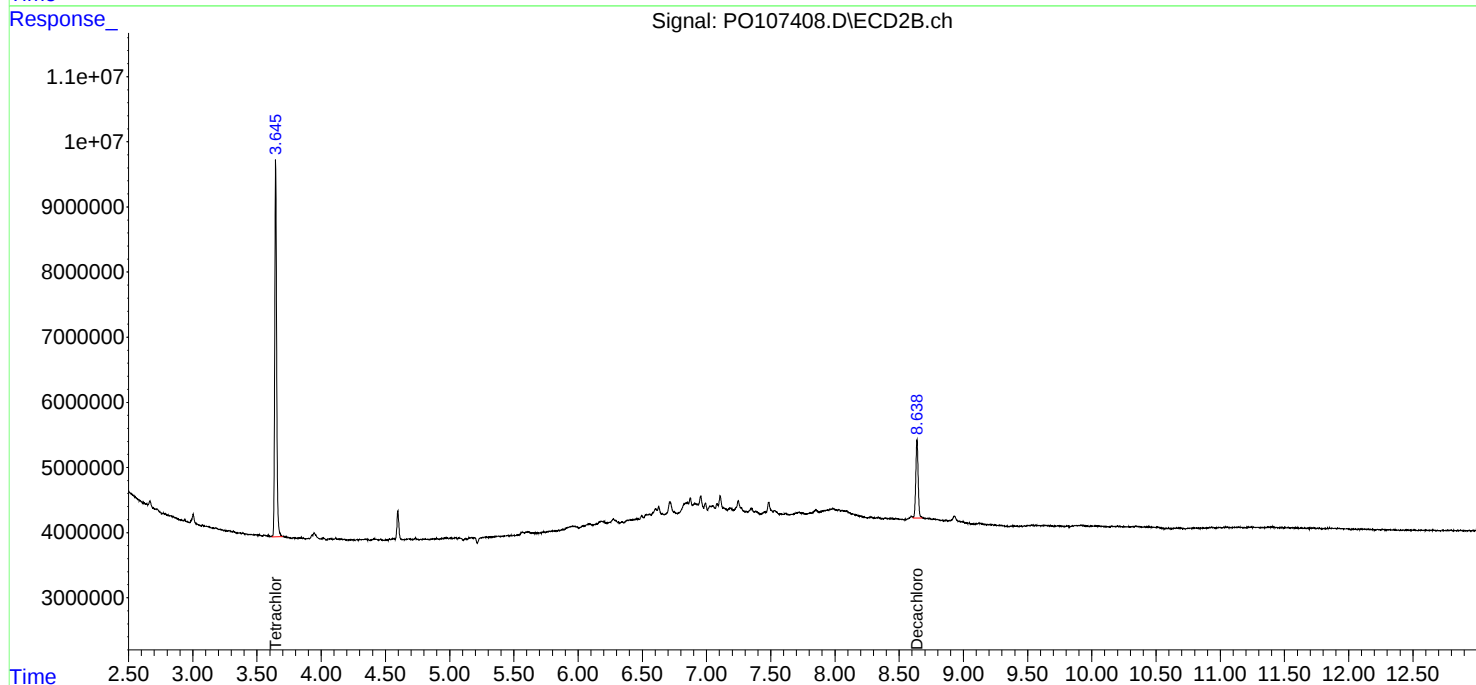
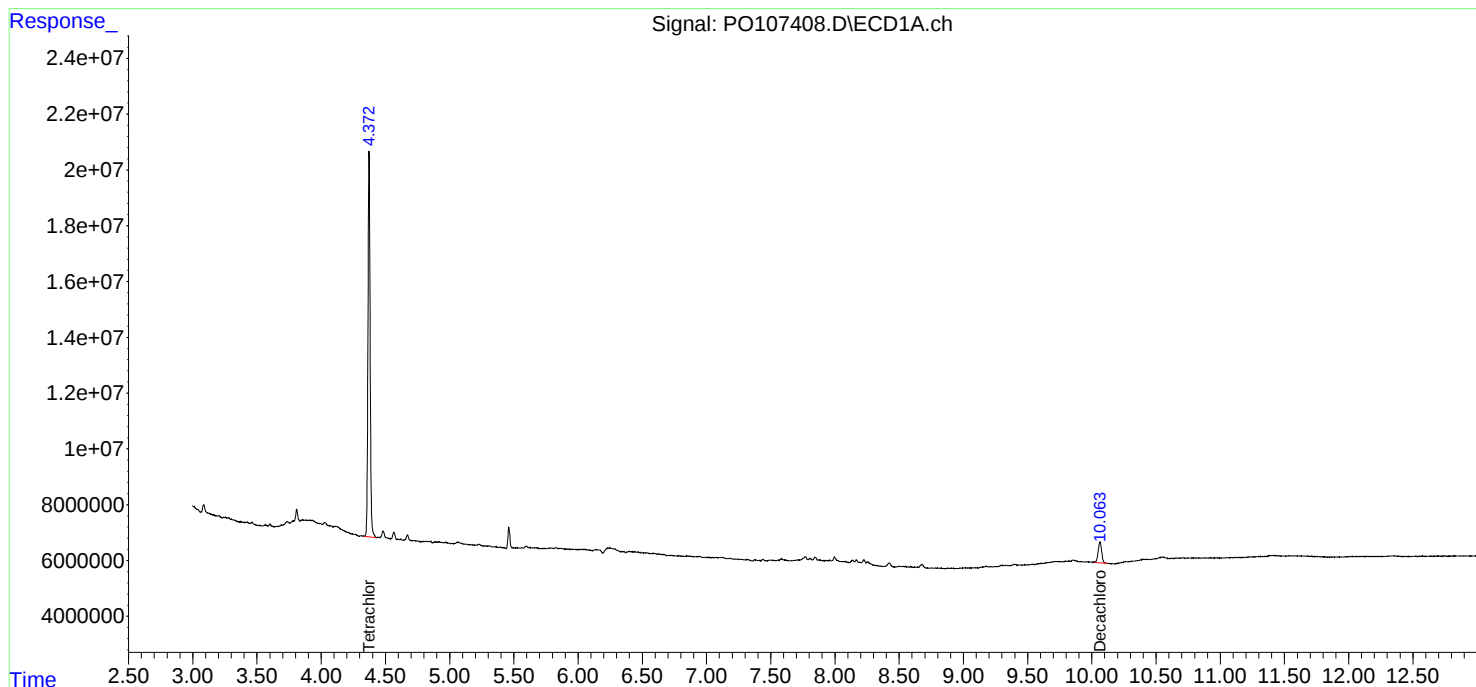
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

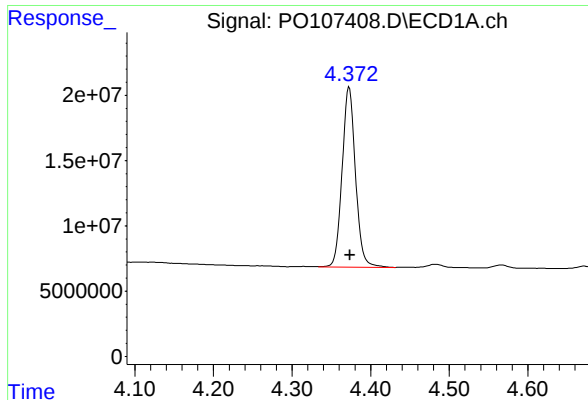
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Oct 2024 00:07
Operator : YP/AJ
Sample : P4549-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-068-IDWGW-20241024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 02:04:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

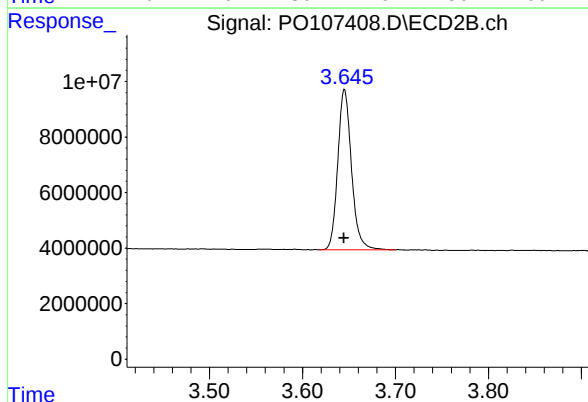




#1 Tetrachloro-m-xylene

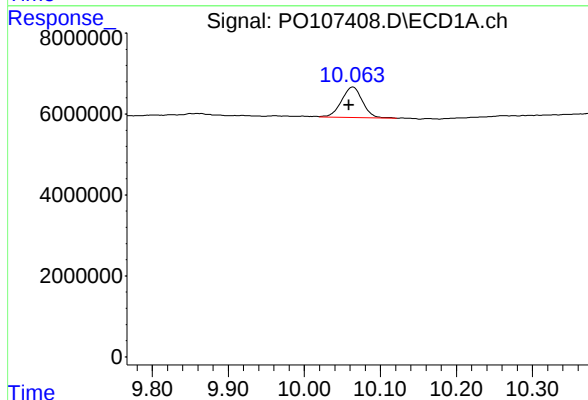
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 162995433
Conc: 17.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
TT-068-IDWGW-20241024



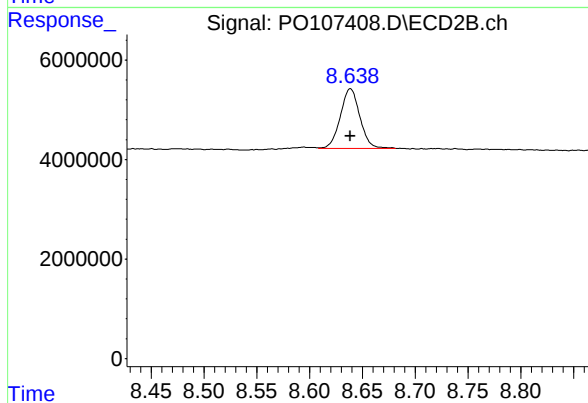
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 59183474
Conc: 18.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.064 min
Delta R.T.: 0.005 min
Response: 14379478
Conc: 5.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 15400039
Conc: 5.62 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-068-IDWGW-20241024RE	SDG No.:	P4549
Lab Sample ID:	P4549-03RE	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107431.D	1	10/25/24 09:10	10/28/24 14:22	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.24	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.52	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.52	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.52	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.52	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		35 - 137		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.58	*	40 - 135		33%	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\PO102824\
 Data File : PO107431.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 14:22
 Operator : YP/AJ
 Sample : P4549-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TT-068-IDWGW-20241024RE

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 14:37:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.644	159.2E6	57733732	17.466	17.938
2) SA Decachlor...	10.055	8.636	16153500	17592392	6.584	6.417

Target Compounds

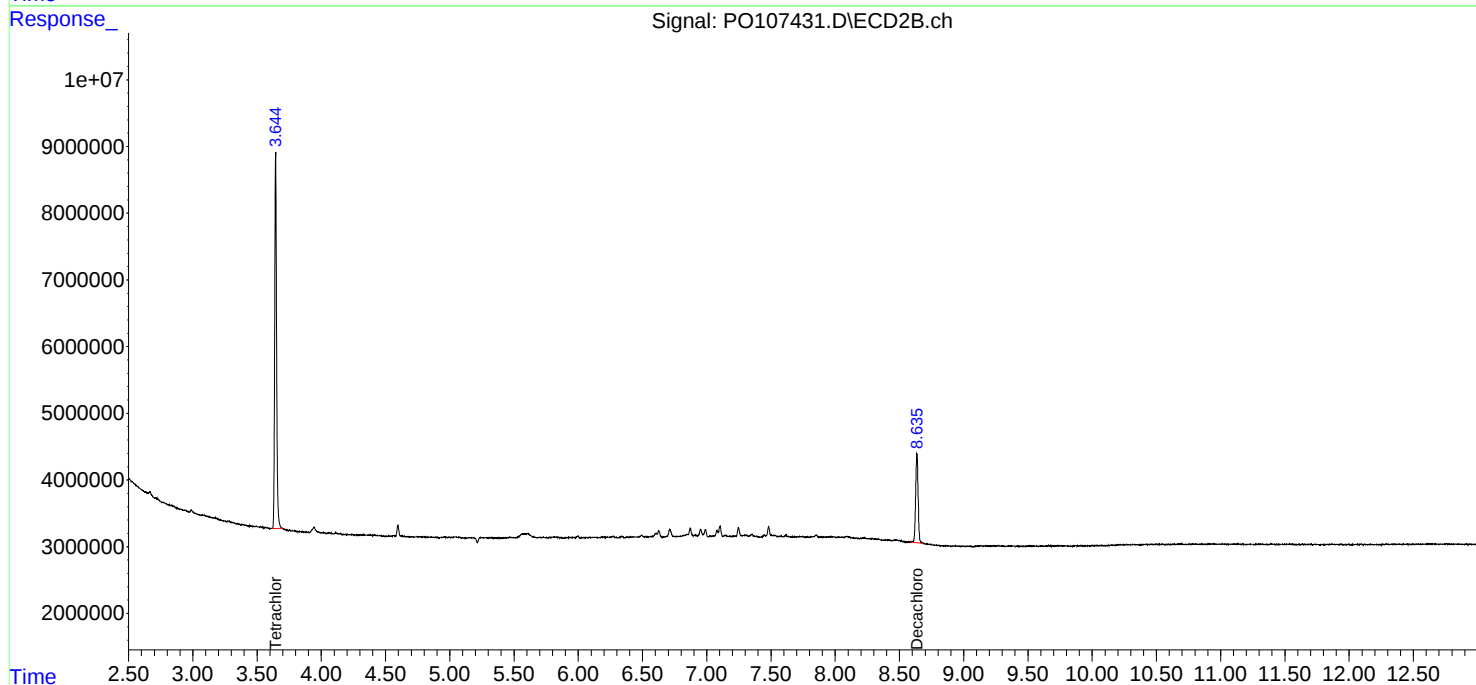
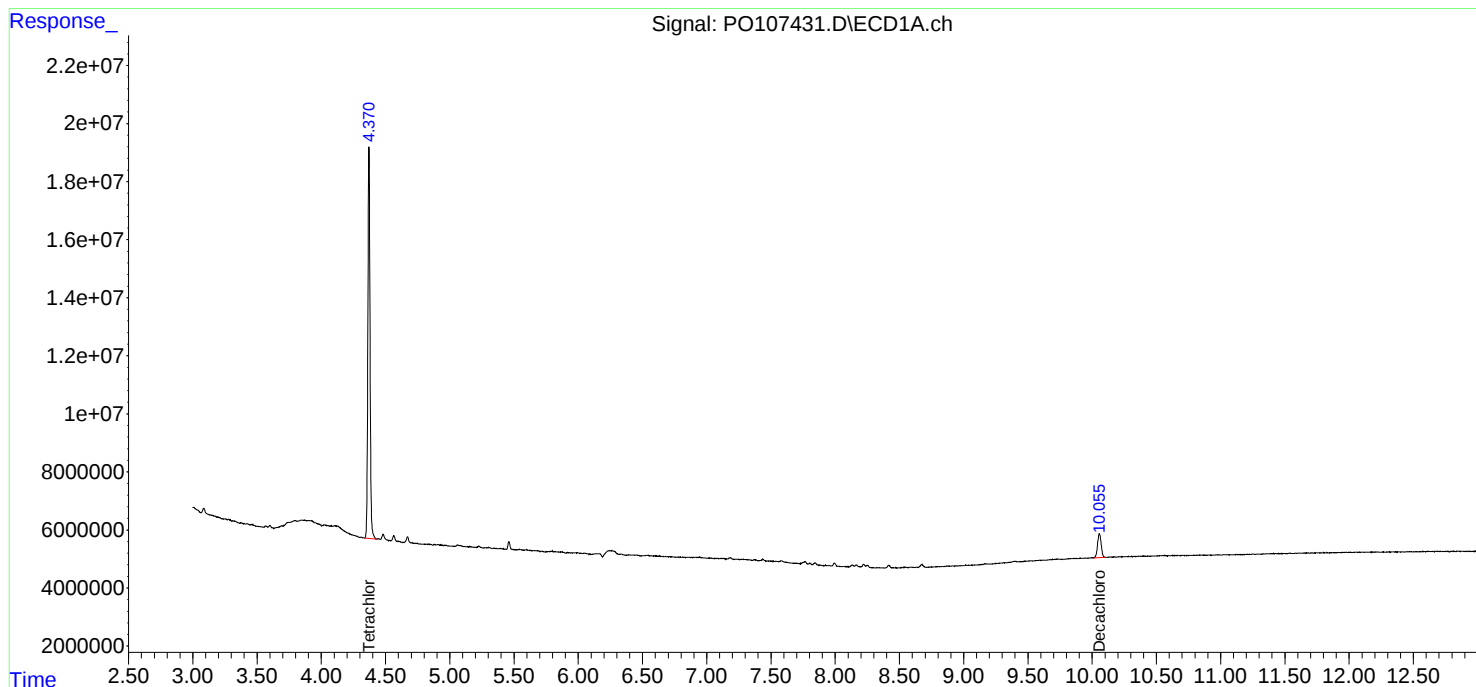
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

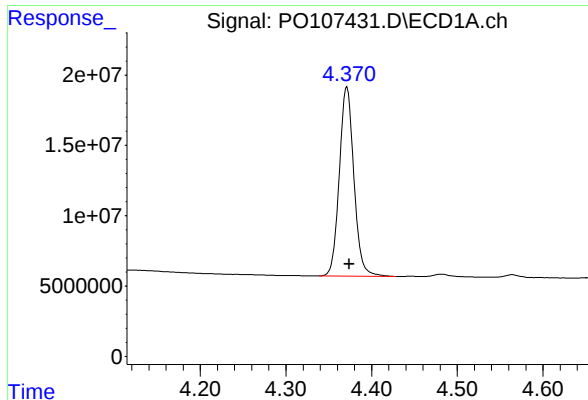
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:22
Operator : YP/AJ
Sample : P4549-03RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-068-IDWGW-20241024RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 14:37:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : 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

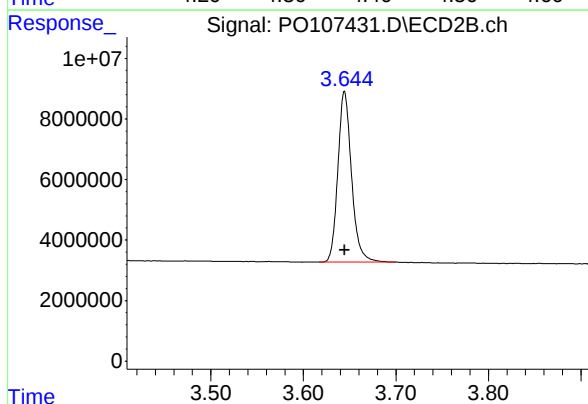




#1 Tetrachloro-m-xylene

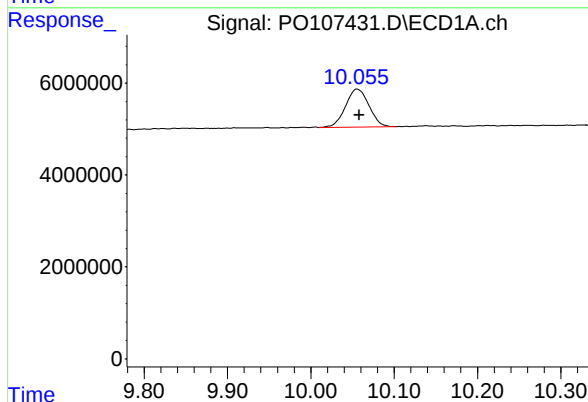
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 159187209
Conc: 17.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
TT-068-IDWGW-20241024RE



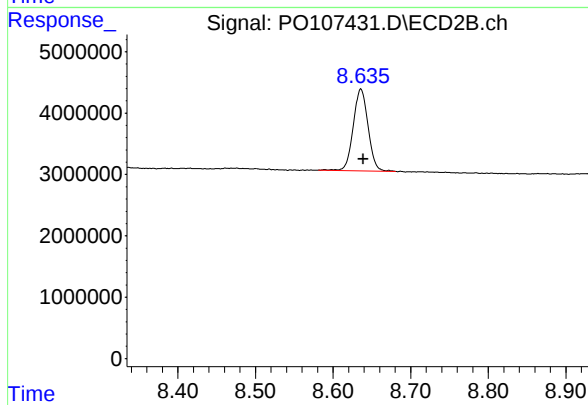
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 57733732
Conc: 17.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 16153500
Conc: 6.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.636 min
Delta R.T.: -0.003 min
Response: 17592392
Conc: 6.42 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-069-IDWGW-20241024		SDG No.:	P4549	
Lab Sample ID:	P4549-04		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	990	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107393.D	1	10/25/24 09:10	10/25/24 19:08	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.51	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.51	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.51	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.51	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.51	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.51	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.51	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.51	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.2		35 - 137		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.05	*	40 - 135		30%	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\PO102524\
Data File : PO107393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 19:08
Operator : YP/AJ
Sample : P4549-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-069-IDWGW-20241024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 00:05:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.645	157.0E6	61792007	17.228	19.199
2) SA Decachlor...	10.062	8.638	14833723	15582857	6.046	5.684

Target Compounds

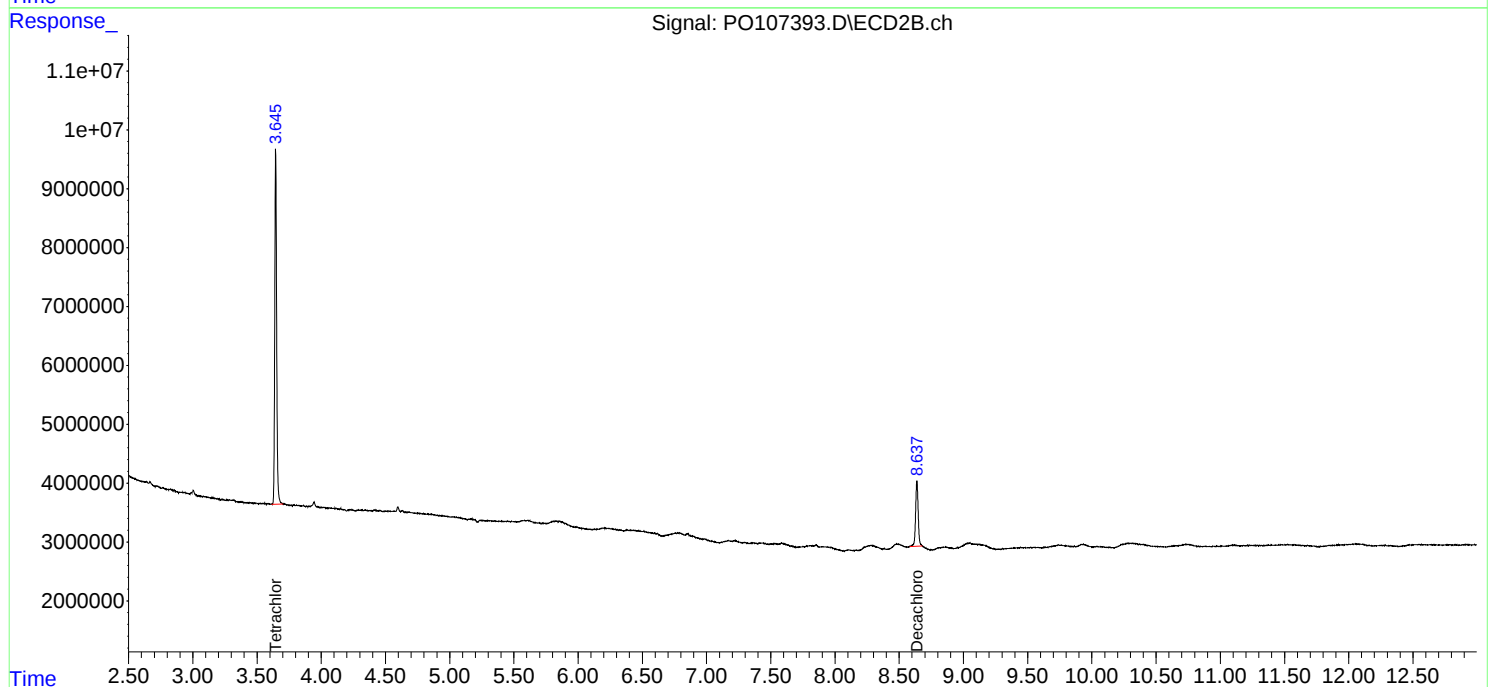
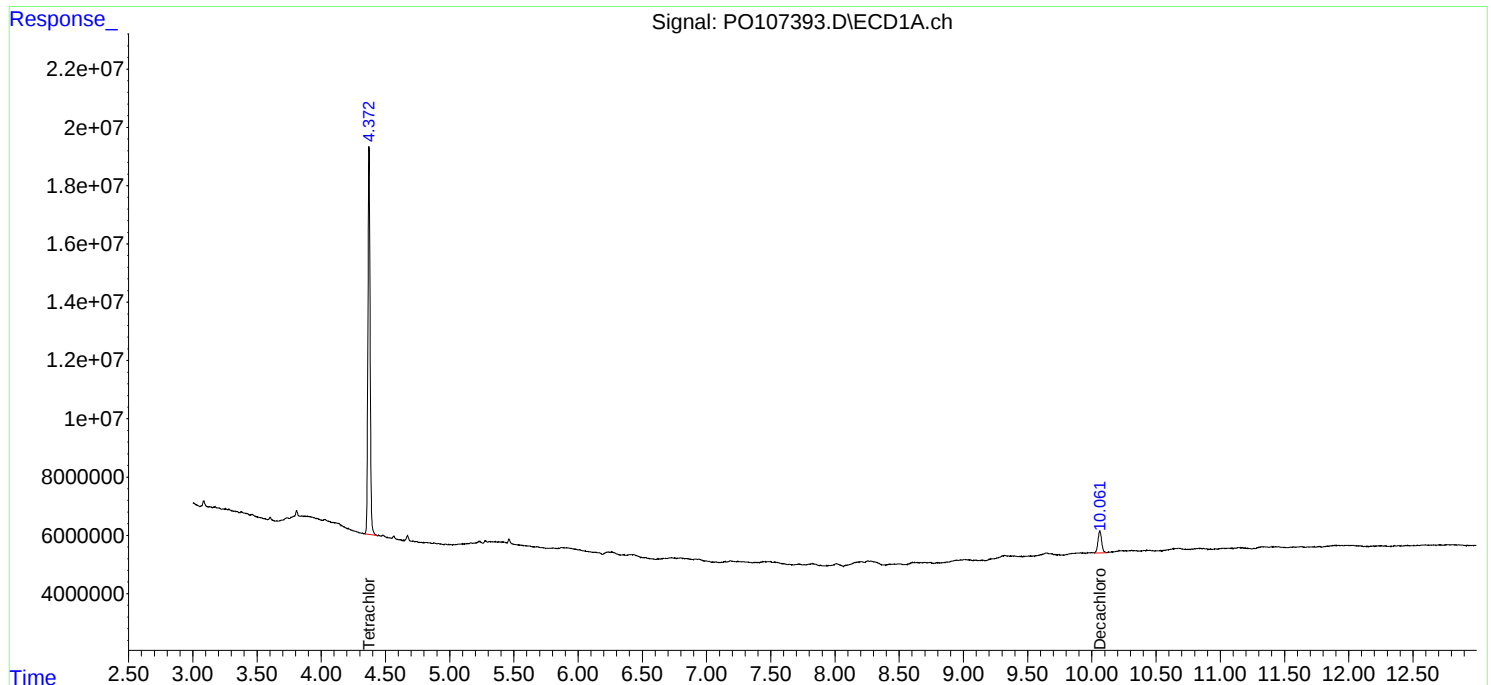
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

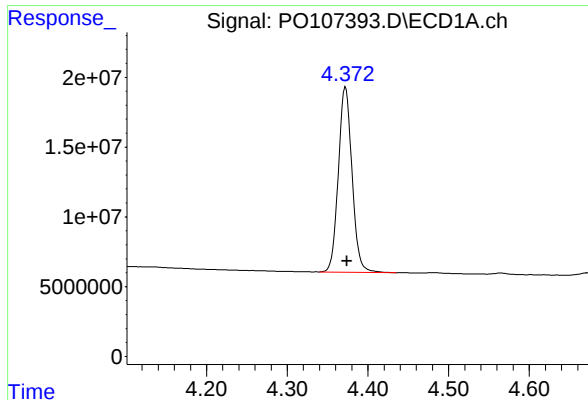
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 19:08
Operator : YP/AJ
Sample : P4549-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-069-IDWGW-20241024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 00:05:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : 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

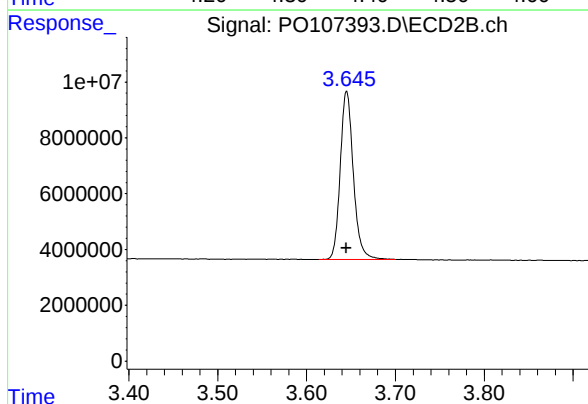




#1 Tetrachloro-m-xylene

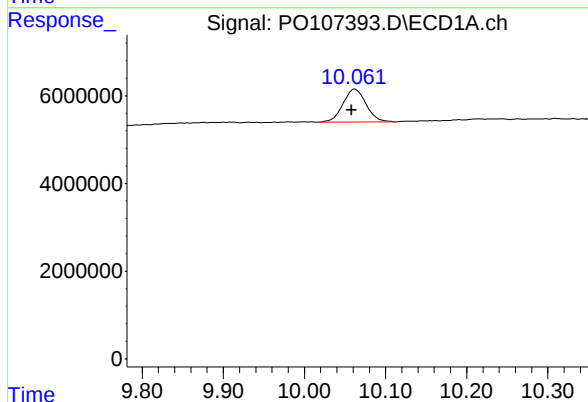
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 157017254
Conc: 17.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
TT-069-IDWGW-20241024



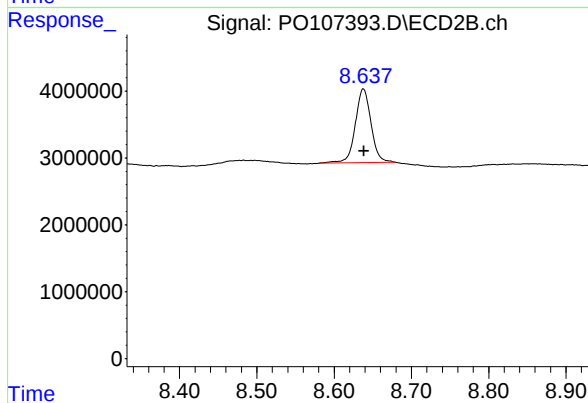
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 61792007
Conc: 19.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.062 min
Delta R.T.: 0.004 min
Response: 14833723
Conc: 6.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 15582857
Conc: 5.68 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-069-IDWGW-20241024RE		SDG No.:	P4549	
Lab Sample ID:	P4549-04RE		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	990	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107432.D	1	10/25/24 09:10	10/28/24 14:40	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.51	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.51	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.51	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.51	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.51	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.51	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.51	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.51	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.8		35 - 137		94%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.75	*	40 - 135		34%	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\PO102824\
 Data File : PO107432.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 14:40
 Operator : YP/AJ
 Sample : P4549-04RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TT-069-IDWGW-20241024RE

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 14:53:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.644	164.2E6	60341032	18.014	18.748
2) SA Decachlor...	10.056	8.635	16559259	17612684	6.750	6.424

Target Compounds

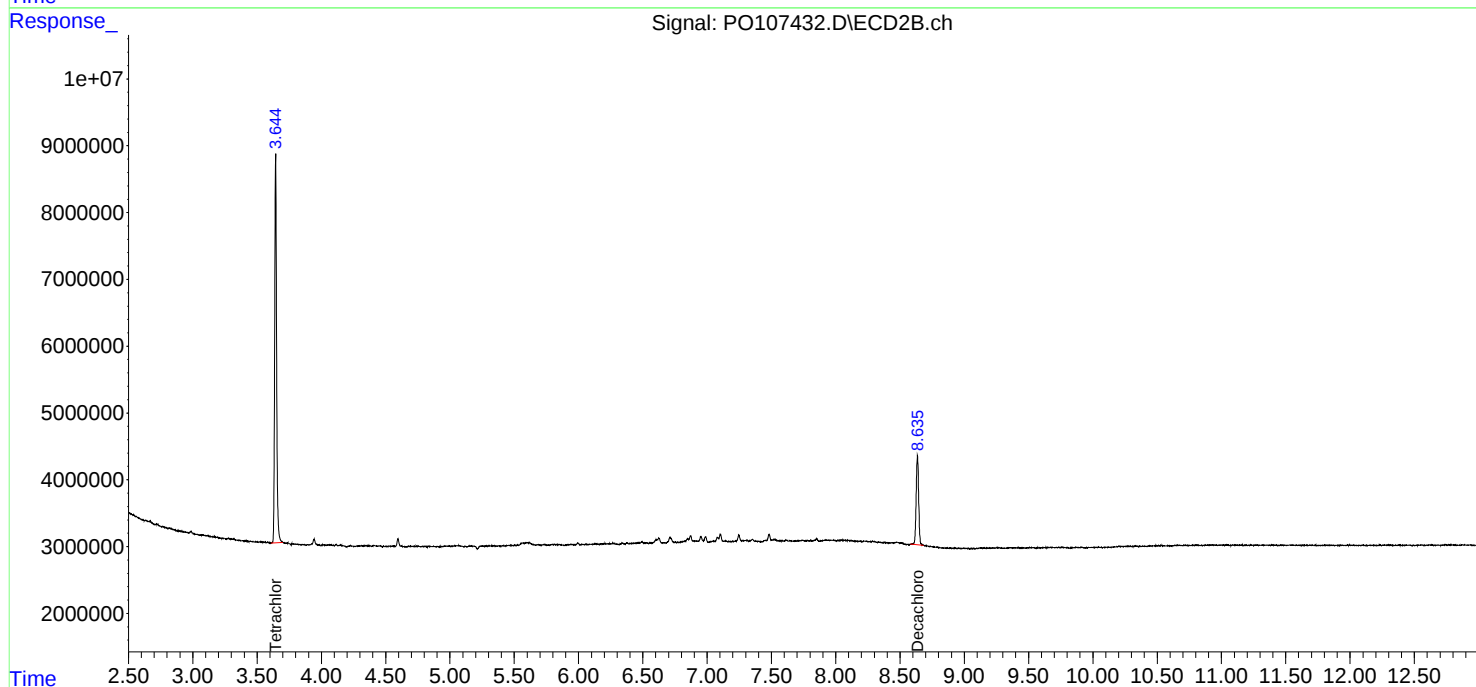
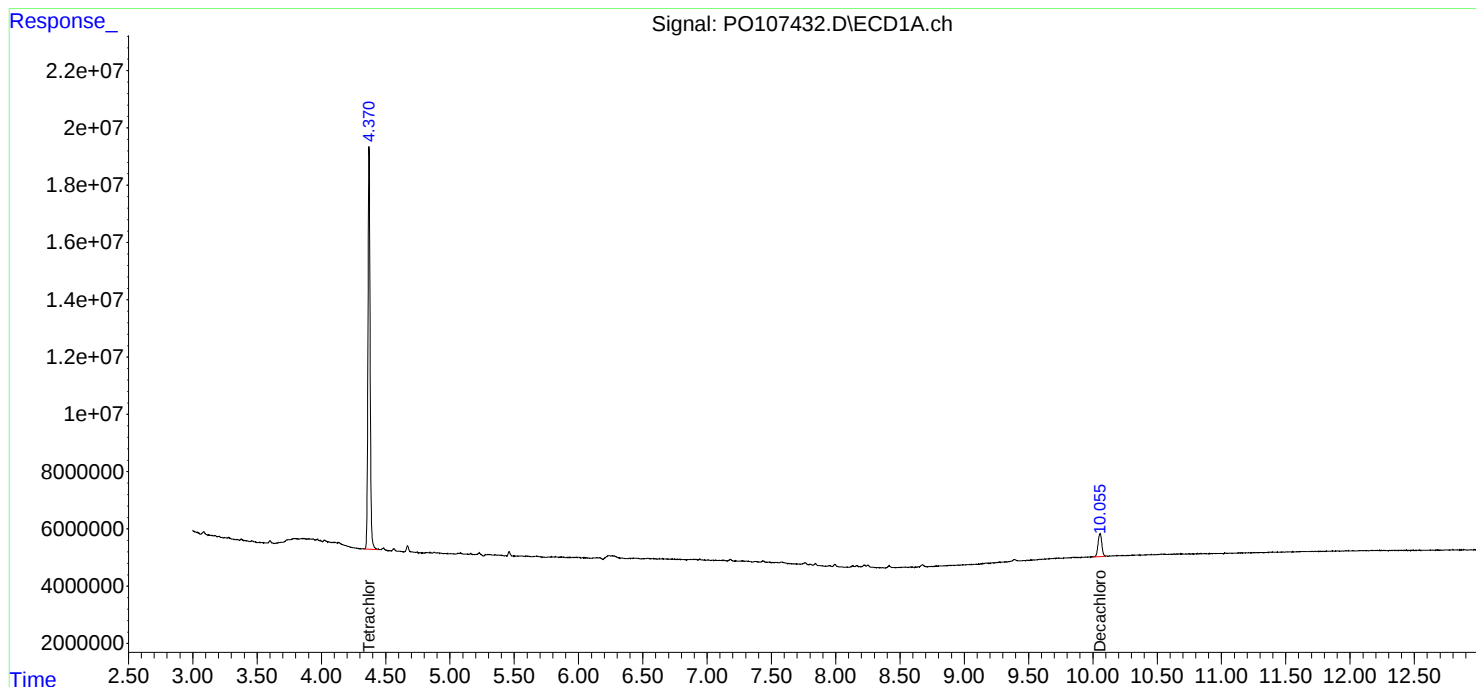
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

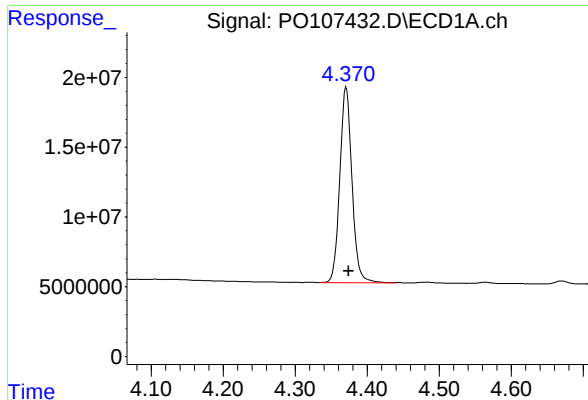
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:40
Operator : YP/AJ
Sample : P4549-04RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TT-069-IDWGW-20241024RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 14:53:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

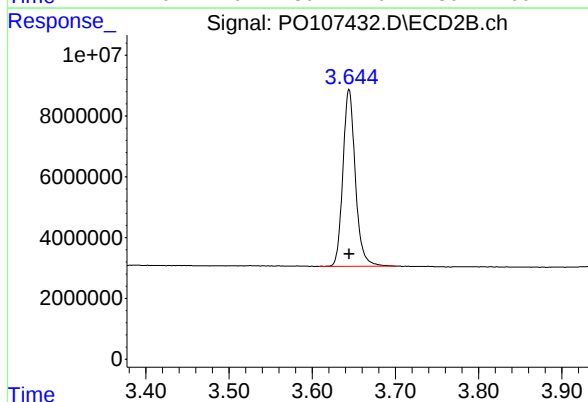




#1 Tetrachloro-m-xylene

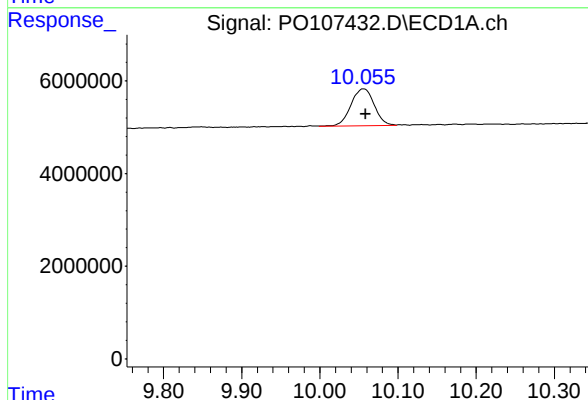
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 164181629
Conc: 18.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
TT-069-IDWGW-20241024RE



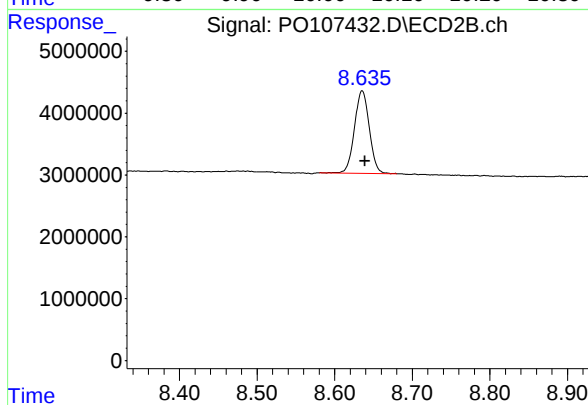
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 60341032
Conc: 18.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.003 min
Response: 16559259
Conc: 6.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.635 min
Delta R.T.: -0.003 min
Response: 17612684
Conc: 6.42 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>TETR06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4549</u>	SAS No.:	<u>P4549</u>	SDG NO.:	<u>P4549</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>10/15/2024</u>	<u>10/16/2024</u>		
		Calibration Times:		<u>18:27</u>	<u>02:36</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO107184.D</u>	RT 750 =	<u>PO107185.D</u>
	RT 500 =	PO107186.D	RT 250 =	PO107187.D
			RT 050 =	PO107188.D

[illegible]

[illegible]

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06
Lab Code: CHEM **Case No.:** P4549 **SAS No.:** P4549 **SDG NO.:** P4549
Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024
Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>			
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291 5
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925 5
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556 6
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918 10
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545 9
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546 6
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115 6
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141 6
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872 6
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762 5
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474 4
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453 3
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625 8
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588 7
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729 8
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516 7
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935 10
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331 3
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140 4
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501 8
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342 9
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156 7
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056 6
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365 7
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631 4
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617 3
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328 7
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485 6
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987 5
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994 6
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837 5
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701 4
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498 3
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019 3



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06
Lab Code: CHEM **Case No.:** P4549 **SAS No.:** P4549 **SDG NO.:** P4549
Instrument ID: ECD_O
Calibration Date(s): 10/15/2024 10/16/2024
Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>				
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662	4
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754	5
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646	3
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349	6
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853	4
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605	3
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605	8
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143	6
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734	3
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666	7
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373	3
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483	6
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411	4
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913	3
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259	4
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364	5
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520	4
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540	2
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235	6
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149	4
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088	5
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201	5
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347	4
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544	6
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833	3
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992	6
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142	3
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842	3
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559	3
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429	4
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255	6
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110	3
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545	6
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250	5



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.57	4.47	4.67	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107184.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 18:27
 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: Oct 16 01:24:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	890.3E6	331.2E6	95.874	98.894
2) SA Decachlor...	10.059	8.639	236.3E6	273.1E6	94.643	98.055
Target Compounds						
3) L1 AR-1016-1	5.521	4.726	252.1E6	98519363	926.978	960.857
4) L1 AR-1016-2	5.544	4.745	373.8E6	140.5E6	939.362	973.793
5) L1 AR-1016-3	5.606	4.921	234.7E6	75819146	914.656	962.184
6) L1 AR-1016-4	5.703	4.962	185.6E6	61532960	914.559	937.892
7) L1 AR-1016-5	5.998	5.175	176.3E6	78878086	920.823	944.391
31) L7 AR-1260-1	7.124	6.207	238.5E6	150.5E6	920.221	969.824
32) L7 AR-1260-2	7.381	6.393	243.4E6	173.8E6	921.688	943.774
33) L7 AR-1260-3	7.743	6.547	167.4E6	168.5E6	922.097	978.772
34) L7 AR-1260-4	7.967	7.018	162.1E6	143.6E6	924.901	976.358
35) L7 AR-1260-5	8.281	7.258	268.7E6	340.7E6	949.301	1011.703

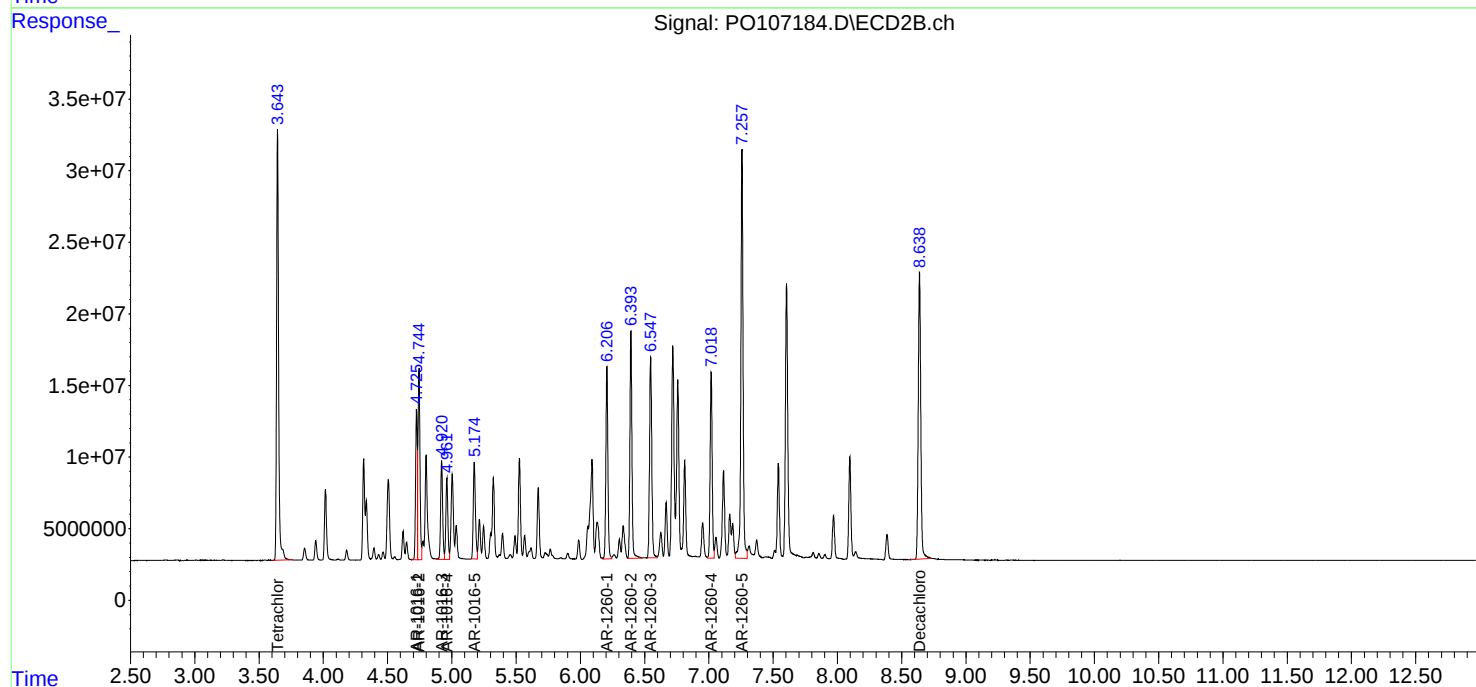
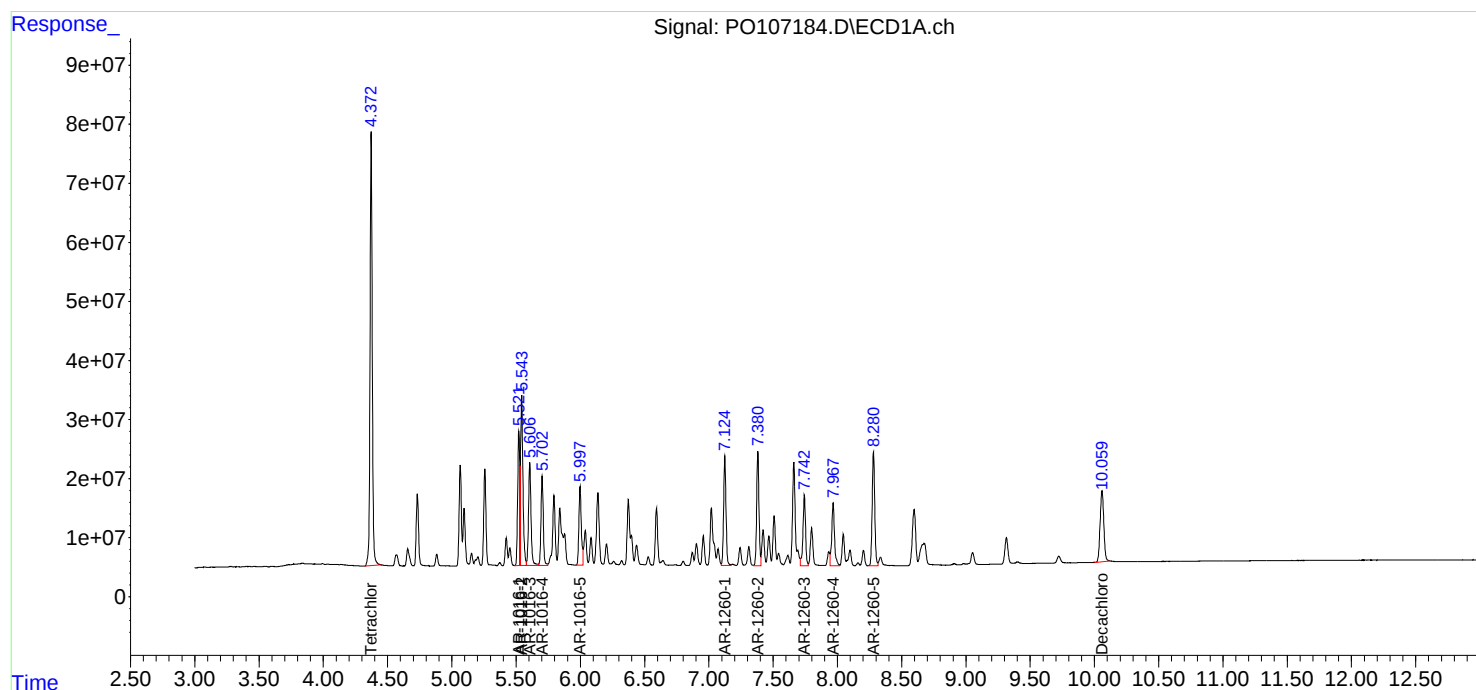
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

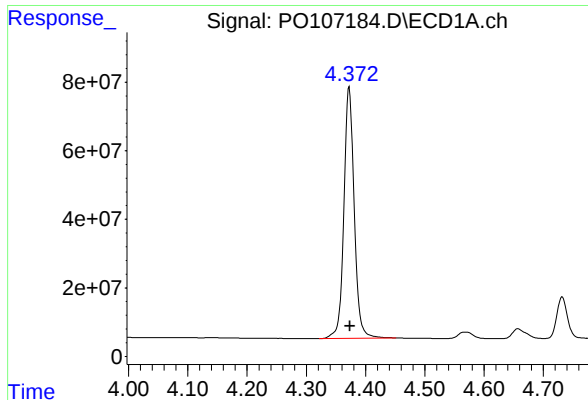
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : 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

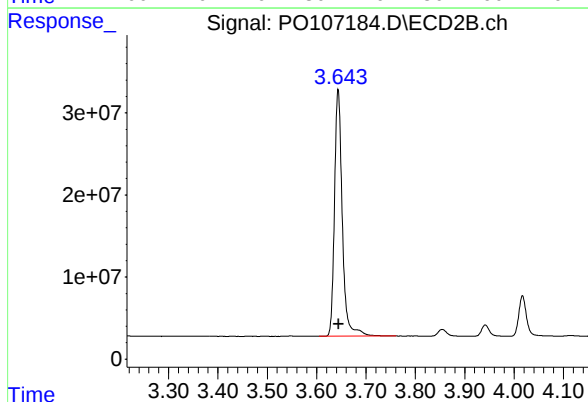




#1 Tetrachloro-m-xylene

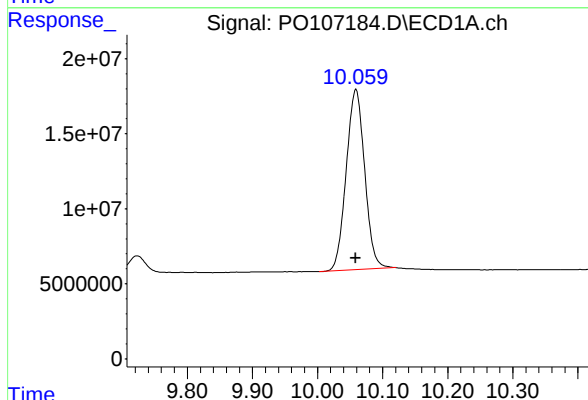
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 890265643
Conc: 95.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



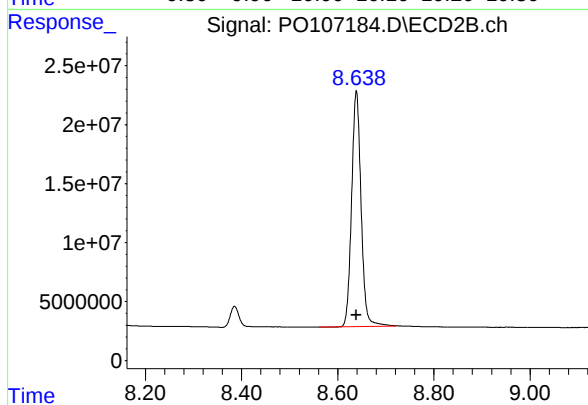
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 331201448
Conc: 98.89 ng/ml



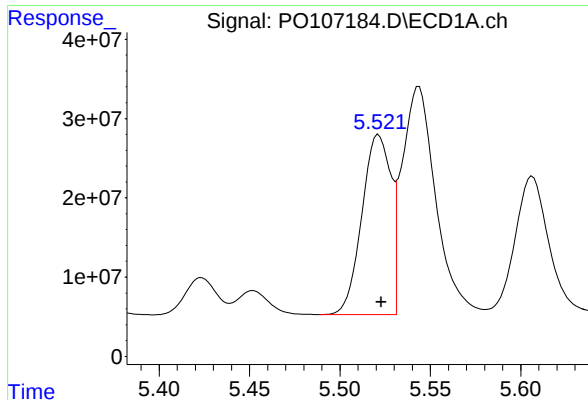
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 236275021
Conc: 94.64 ng/ml



#2 Decachlorobiphenyl

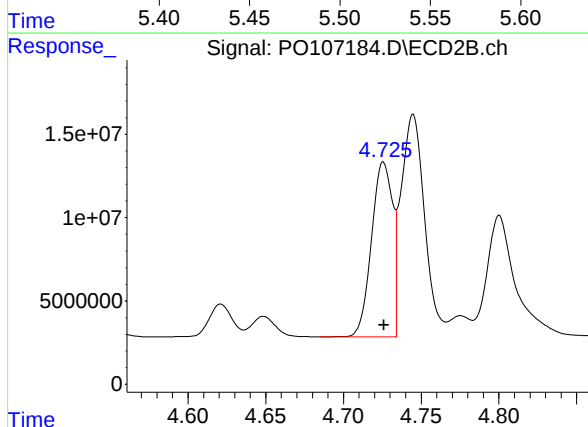
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 273062267
Conc: 98.05 ng/ml



#3 AR-1016-1

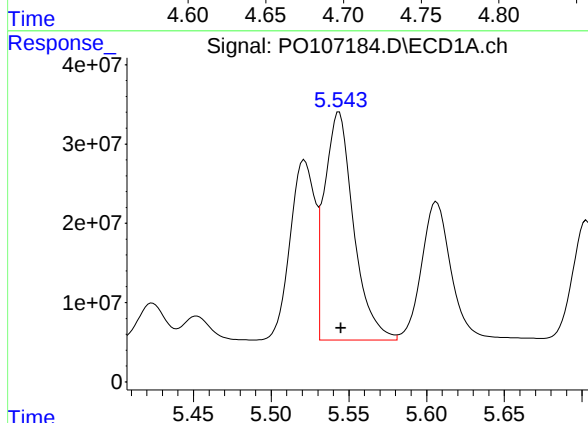
R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 252081604
Conc: 926.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



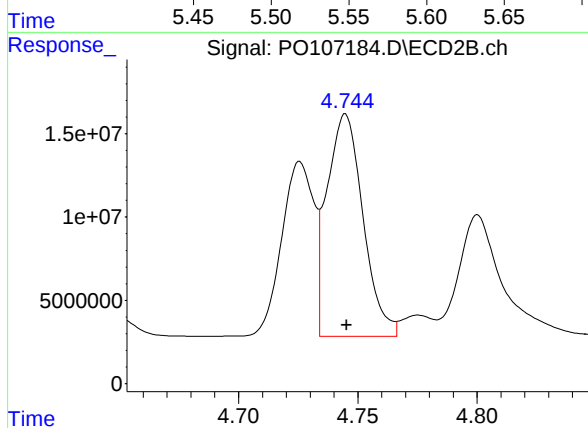
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98519363
Conc: 960.86 ng/ml



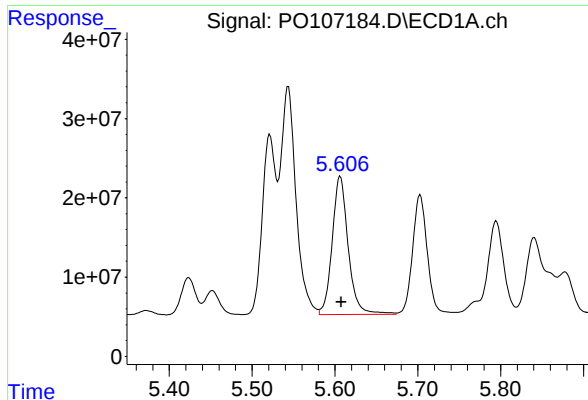
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 373760062
Conc: 939.36 ng/ml



#4 AR-1016-2

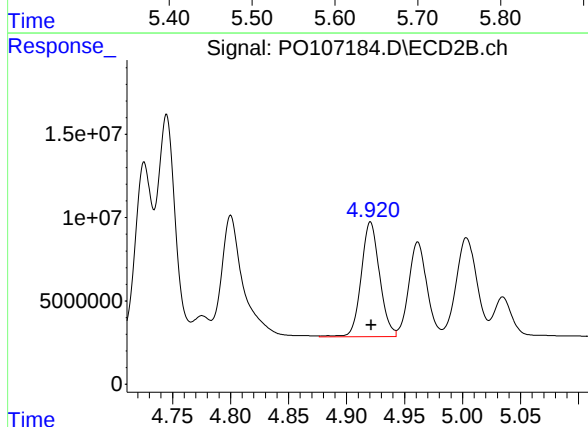
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 140533795
Conc: 973.79 ng/ml



#5 AR-1016-3

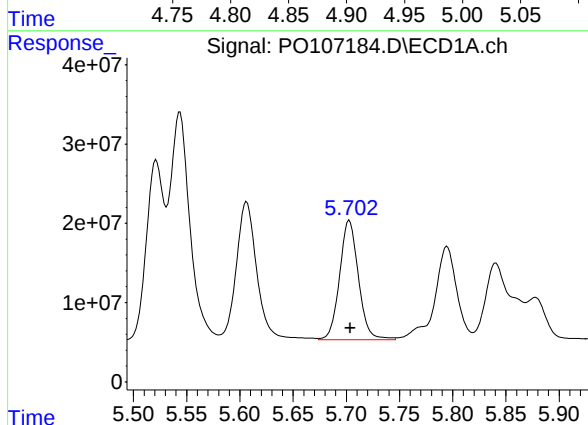
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 234678633
Conc: 914.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



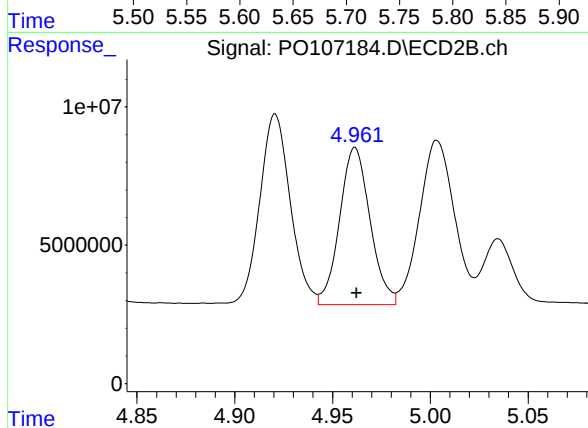
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 75819146
Conc: 962.18 ng/ml



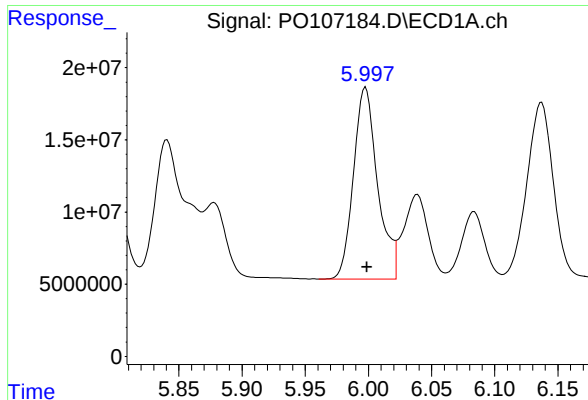
#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: -0.001 min
Response: 185622493
Conc: 914.56 ng/ml



#6 AR-1016-4

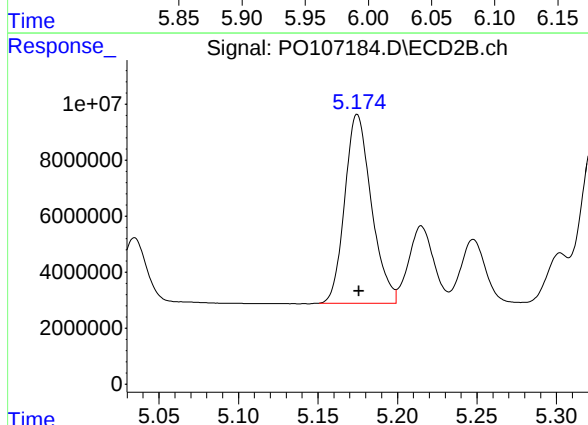
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 61532960
Conc: 937.89 ng/ml



#7 AR-1016-5

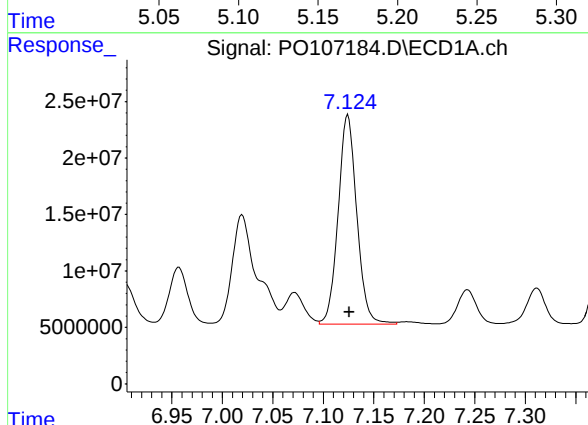
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 176326470
Conc: 920.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



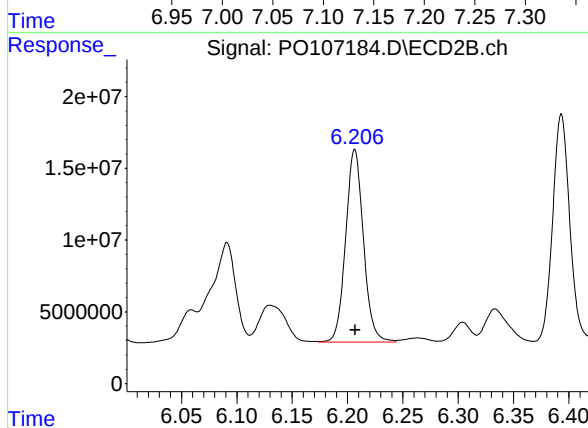
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 78878086
Conc: 944.39 ng/ml



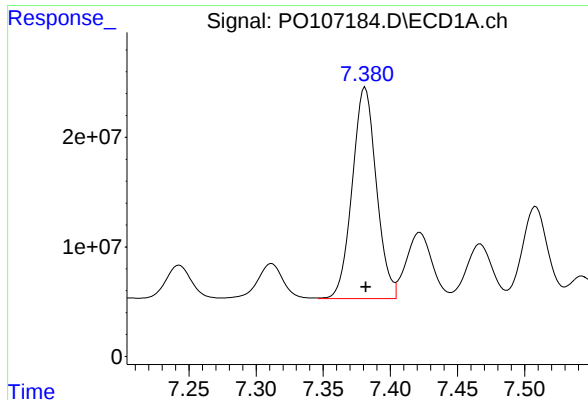
#31 AR-1260-1

R.T.: 7.124 min
Delta R.T.: -0.001 min
Response: 238480871
Conc: 920.22 ng/ml



#31 AR-1260-1

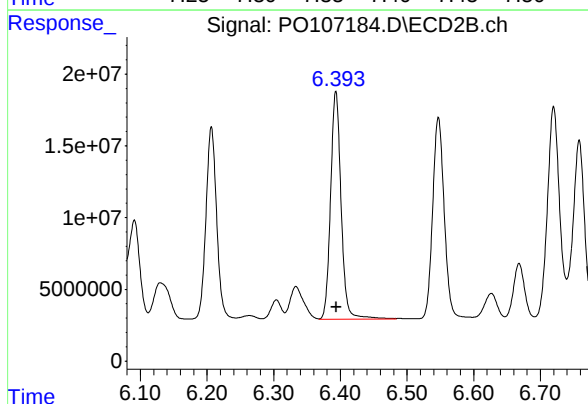
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 150450531
Conc: 969.82 ng/ml



#32 AR-1260-2

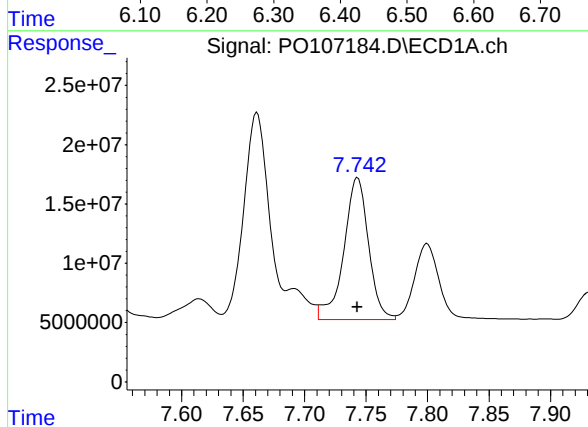
R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 243402558
Conc: 921.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



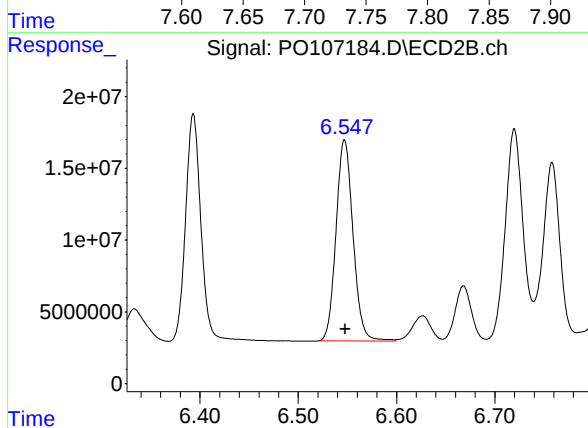
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 173752920
Conc: 943.77 ng/ml



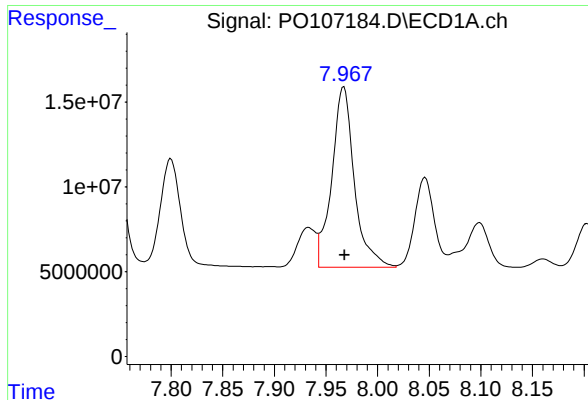
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 167353086
Conc: 922.10 ng/ml



#33 AR-1260-3

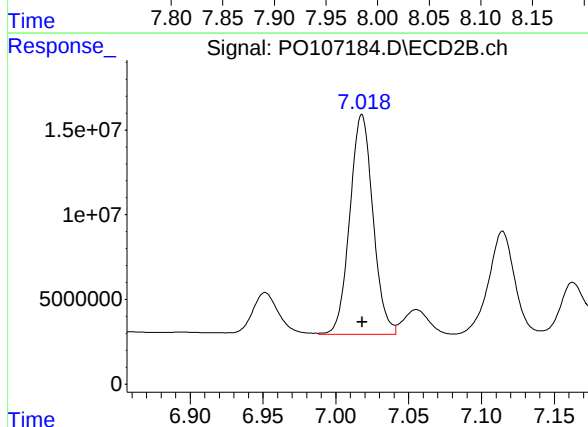
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 168454604
Conc: 978.77 ng/ml



#34 AR-1260-4

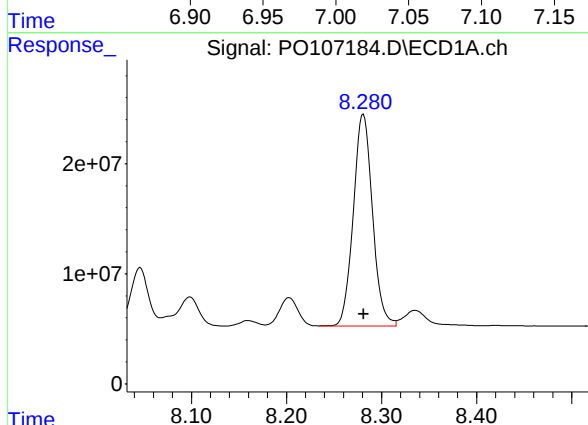
R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 162125557
Conc: 924.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



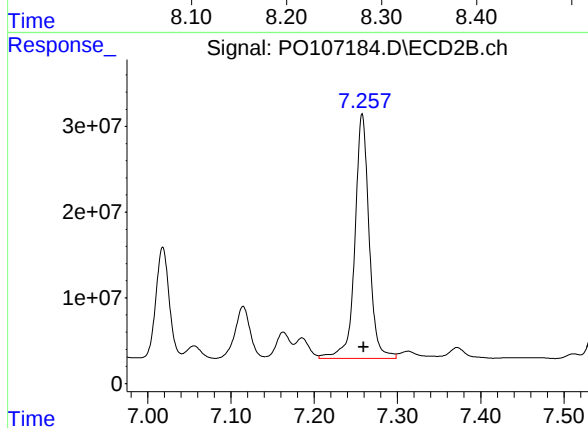
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 143637024
Conc: 976.36 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 268686175
Conc: 949.30 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 340738400
Conc: 1011.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107185.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 18:45
 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: Oct 16 01:24:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.374	3.644	681.6E6	250.4E6	73.401	74.763
2) SA Decachlor...	10.059	8.639	182.0E6	205.9E6	72.917	73.948
Target Compounds						
3) L1 AR-1016-1	5.523	4.726	196.3E6	74951057	721.769	730.996
4) L1 AR-1016-2	5.545	4.745	287.3E6	107.1E6	721.992	741.869
5) L1 AR-1016-3	5.607	4.921	183.1E6	57833586	713.664	733.938
6) L1 AR-1016-4	5.704	4.962	145.4E6	47559823	716.317	724.912
7) L1 AR-1016-5	5.999	5.176	136.6E6	60728146	713.395	727.086
31) L7 AR-1260-1	7.125	6.207	184.9E6	114.0E6	713.367	735.005
32) L7 AR-1260-2	7.382	6.394	188.8E6	136.1E6	714.965	739.499
33) L7 AR-1260-3	7.743	6.548	128.7E6	127.7E6	708.958	742.087
34) L7 AR-1260-4	7.968	7.018	125.2E6	108.7E6	714.531	738.682
35) L7 AR-1260-5	8.281	7.258	205.2E6	254.8E6	725.060	756.650

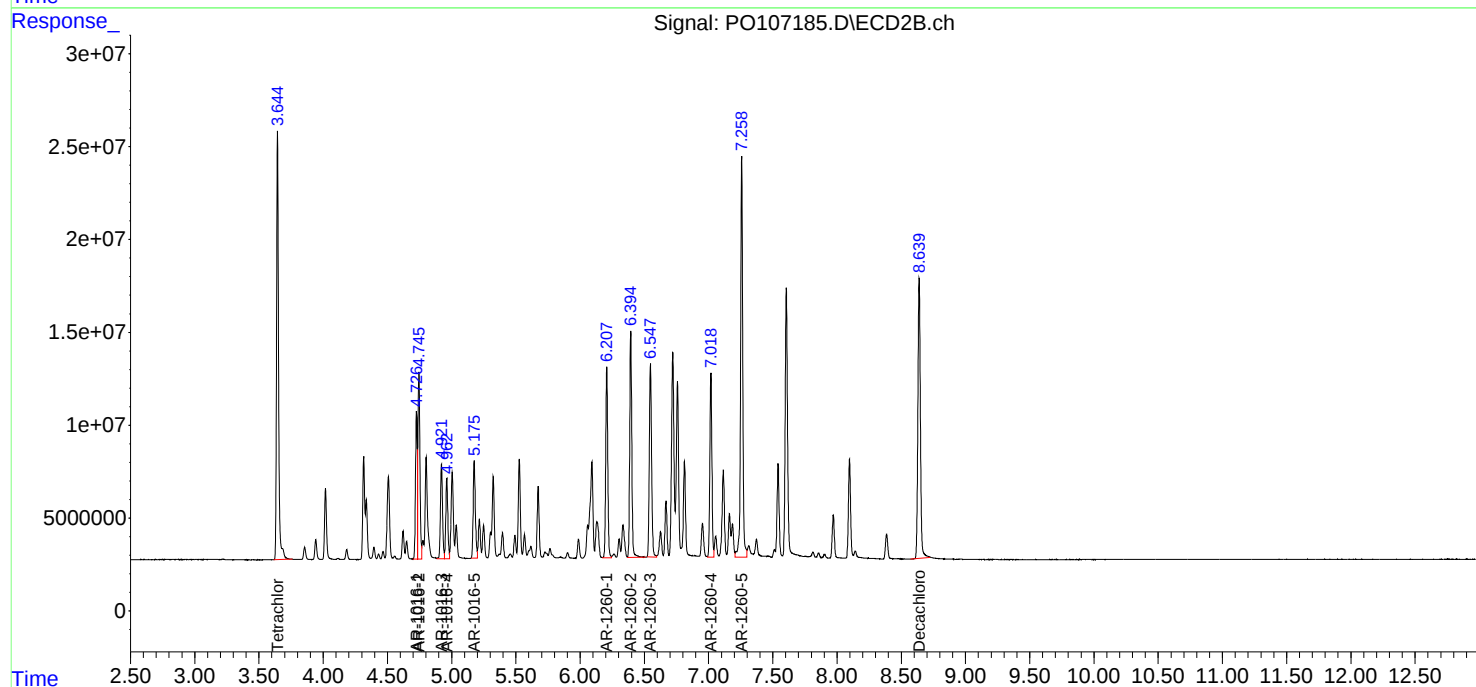
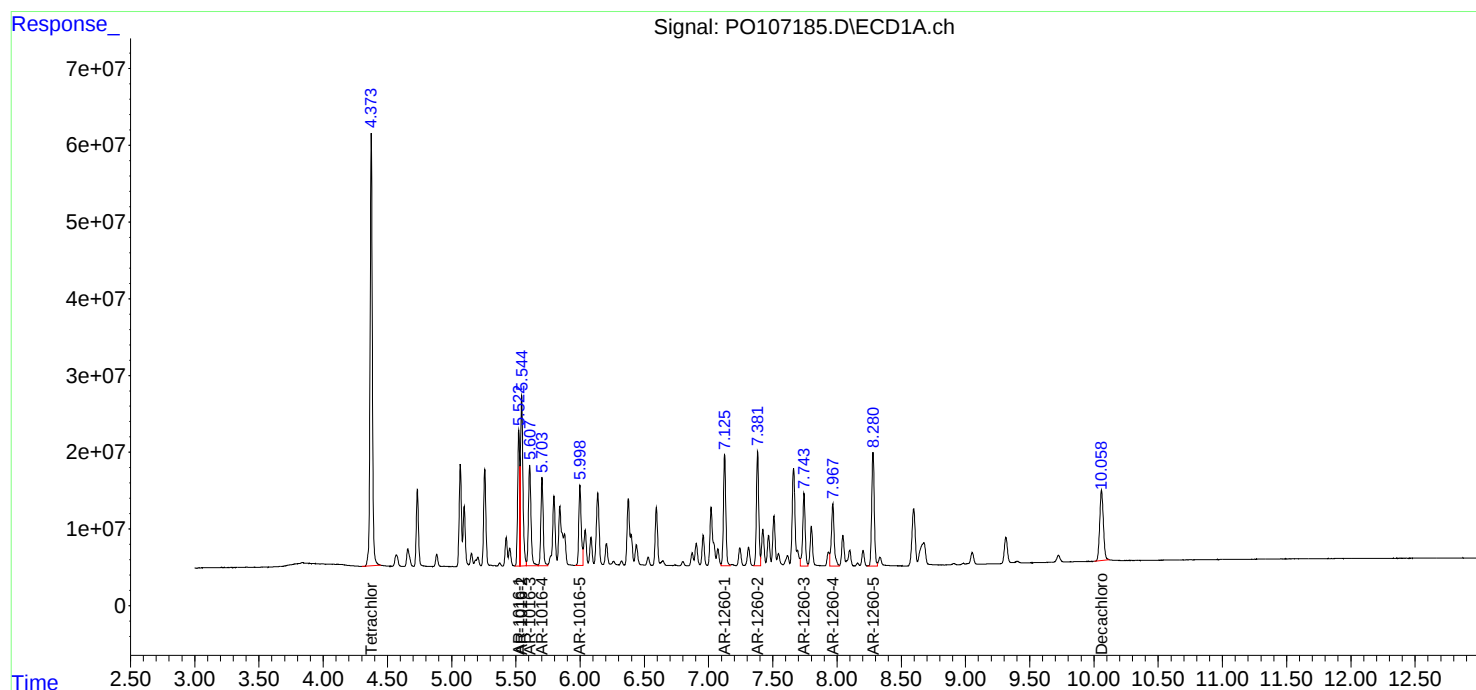
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

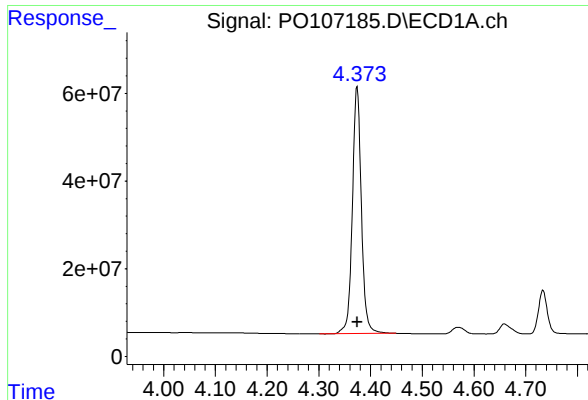
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : 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

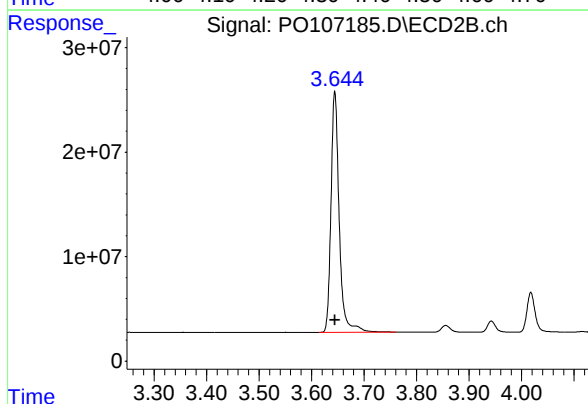




#1 Tetrachloro-m-xylene

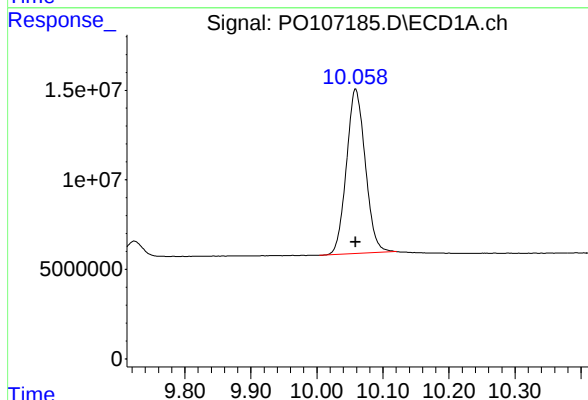
R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 681585697
Conc: 73.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



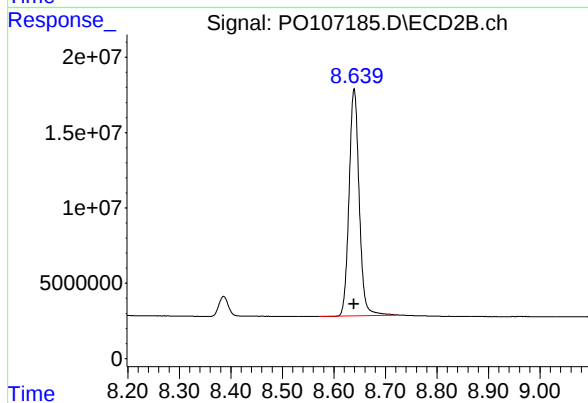
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 250385446
Conc: 74.76 ng/ml



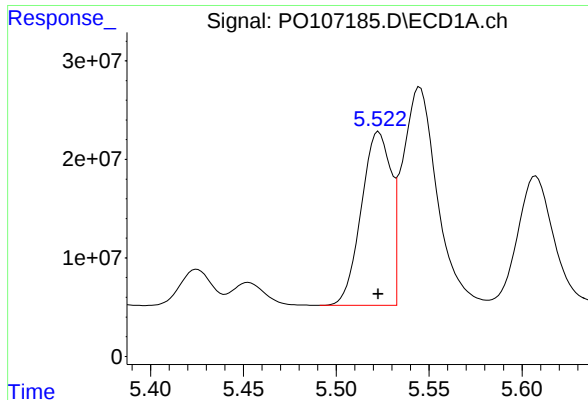
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 182035419
Conc: 72.92 ng/ml



#2 Decachlorobiphenyl

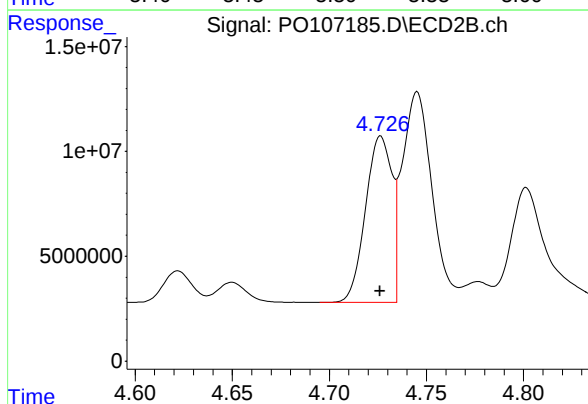
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 205929949
Conc: 73.95 ng/ml



#3 AR-1016-1

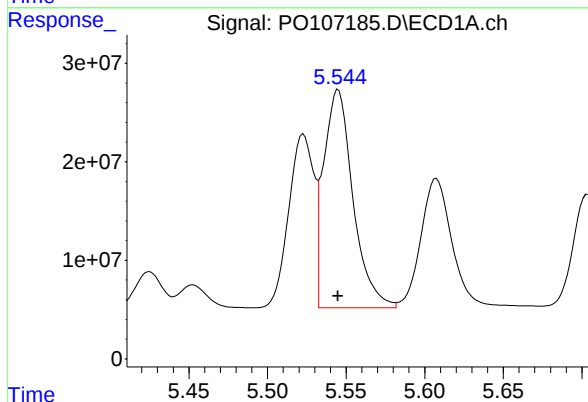
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 196277150
Conc: 721.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



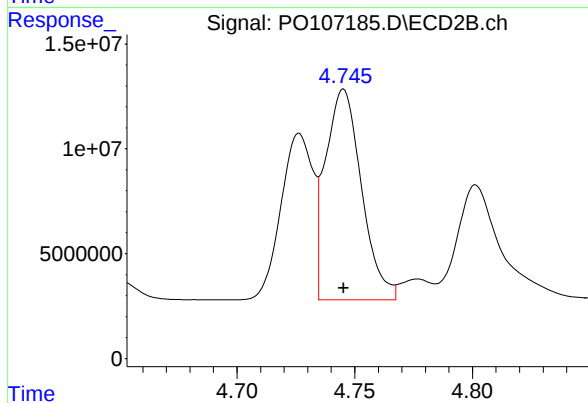
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 74951057
Conc: 731.00 ng/ml



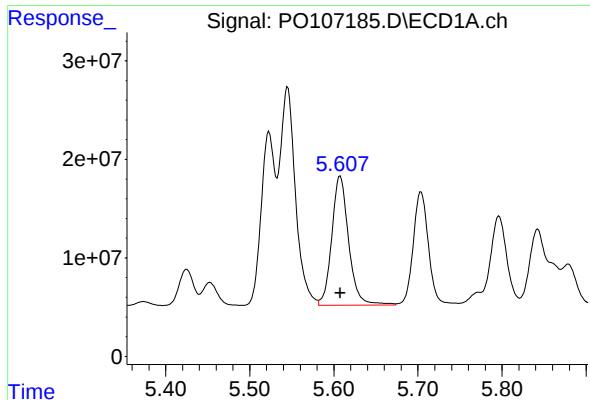
#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 287271437
Conc: 721.99 ng/ml



#4 AR-1016-2

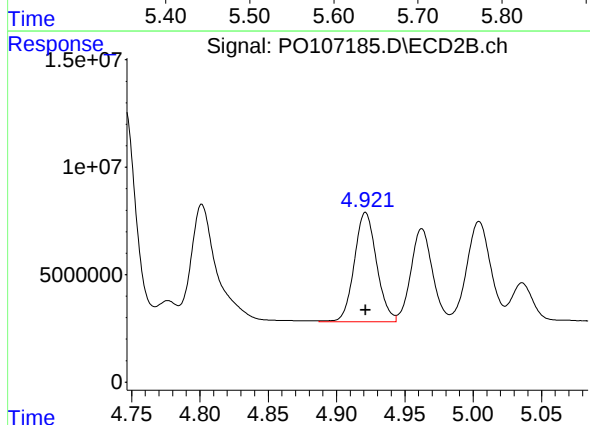
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 107063566
Conc: 741.87 ng/ml



#5 AR-1016-3

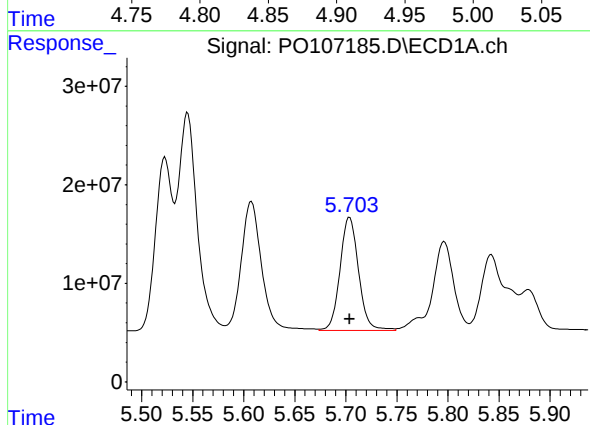
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 183108937
Conc: 713.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



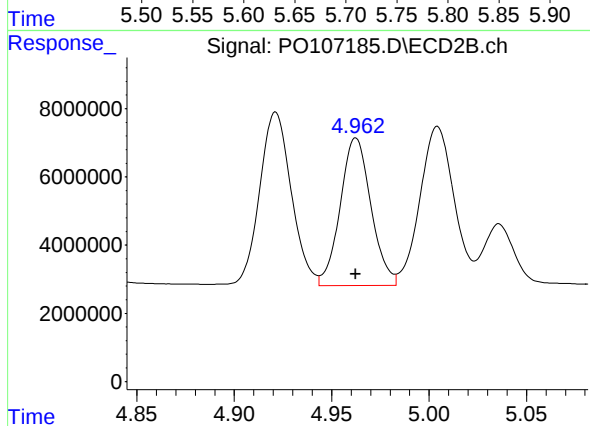
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 57833586
Conc: 733.94 ng/ml



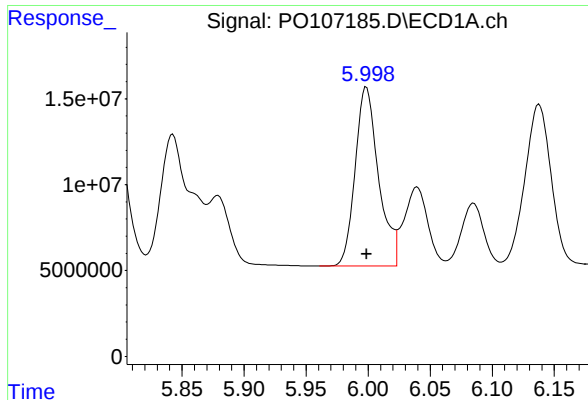
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 145386468
Conc: 716.32 ng/ml



#6 AR-1016-4

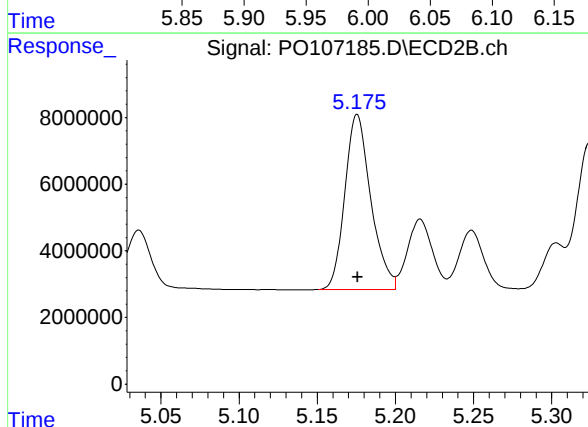
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 47559823
Conc: 724.91 ng/ml



#7 AR-1016-5

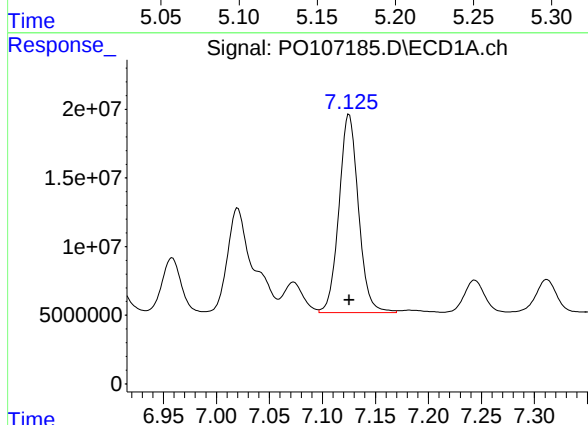
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 136606449
Conc: 713.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



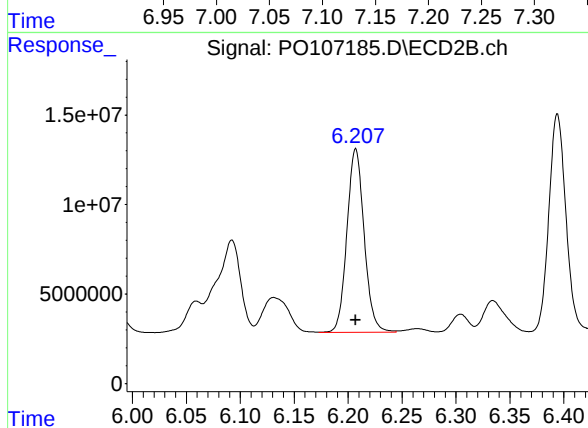
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 60728146
Conc: 727.09 ng/ml



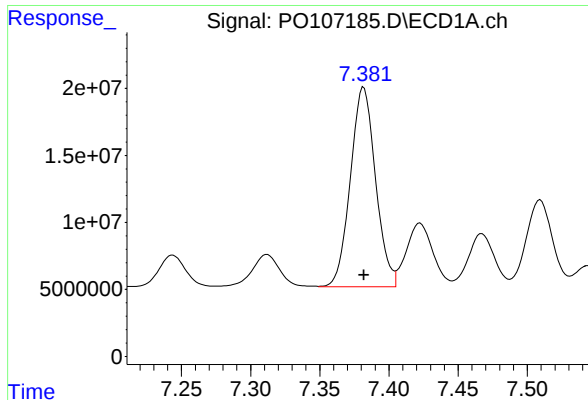
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 184873238
Conc: 713.37 ng/ml



#31 AR-1260-1

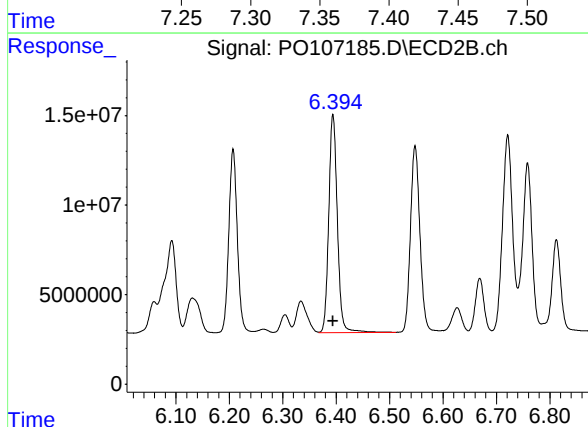
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 114022629
Conc: 735.01 ng/ml



#32 AR-1260-2

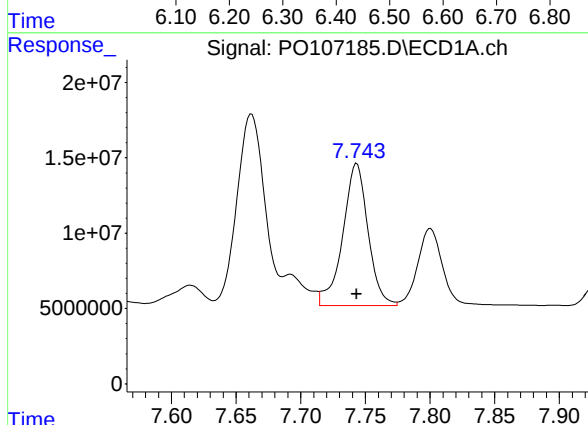
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 188810389
Conc: 714.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



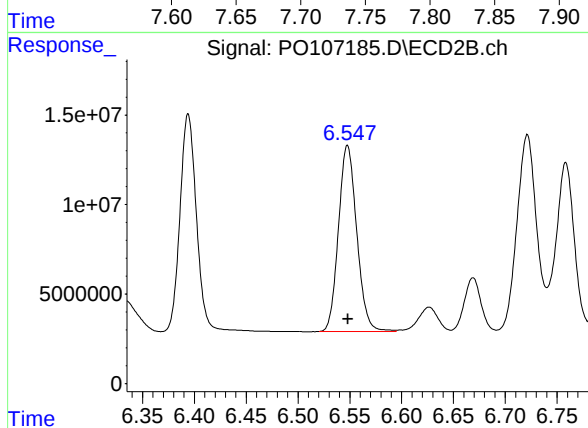
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 136144993
Conc: 739.50 ng/ml



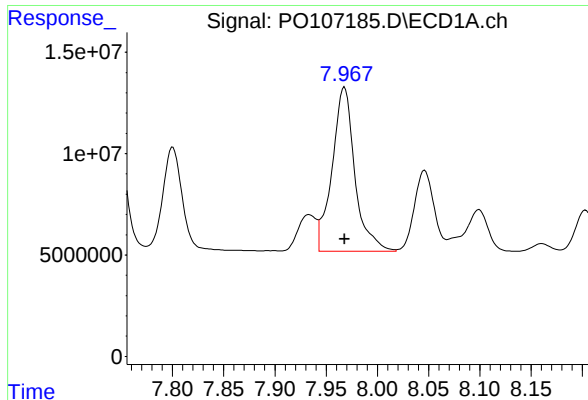
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 128670097
Conc: 708.96 ng/ml



#33 AR-1260-3

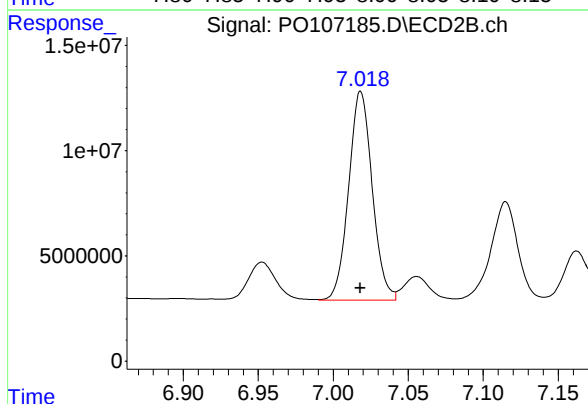
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 127719255
Conc: 742.09 ng/ml



#34 AR-1260-4

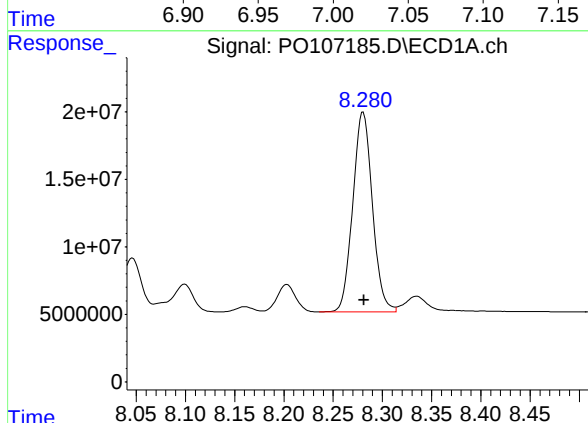
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 125249950
Conc: 714.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



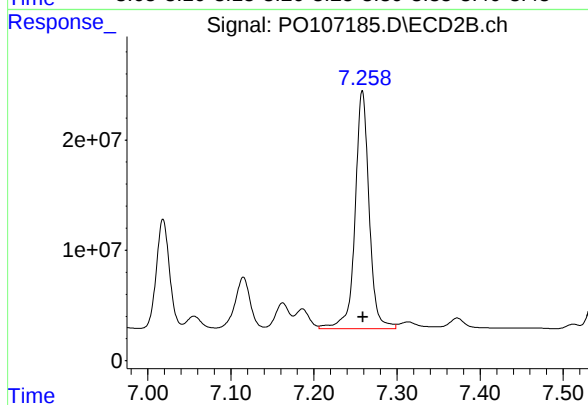
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 108671347
Conc: 738.68 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 205217871
Conc: 725.06 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 254837085
Conc: 756.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107186.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:03
 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: Oct 16 01:25:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.374	3.645	464.3E6	167.5E6	50.000	50.000
2) SA Decachlor...	10.058	8.639	124.8E6	139.2E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.523	4.726	136.0E6	51266401	500.000	500.000
4) L1 AR-1016-2	5.545	4.745	198.9E6	72157971	500.000	500.000
5) L1 AR-1016-3	5.607	4.921	128.3E6	39399514	500.000	500.000
6) L1 AR-1016-4	5.704	4.962	101.5E6	32803861	500.000	500.000
7) L1 AR-1016-5	5.999	5.176	95743965	41761334	500.000	500.000
31) L7 AR-1260-1	7.126	6.207	129.6E6	77565878	500.000	500.000
32) L7 AR-1260-2	7.382	6.394	132.0E6	92052145	500.000	500.000
33) L7 AR-1260-3	7.743	6.548	90745881	86054054	500.000	500.000
34) L7 AR-1260-4	7.968	7.018	87644858	73557583	500.000	500.000
35) L7 AR-1260-5	8.281	7.259	141.5E6	168.4E6	500.000	500.000

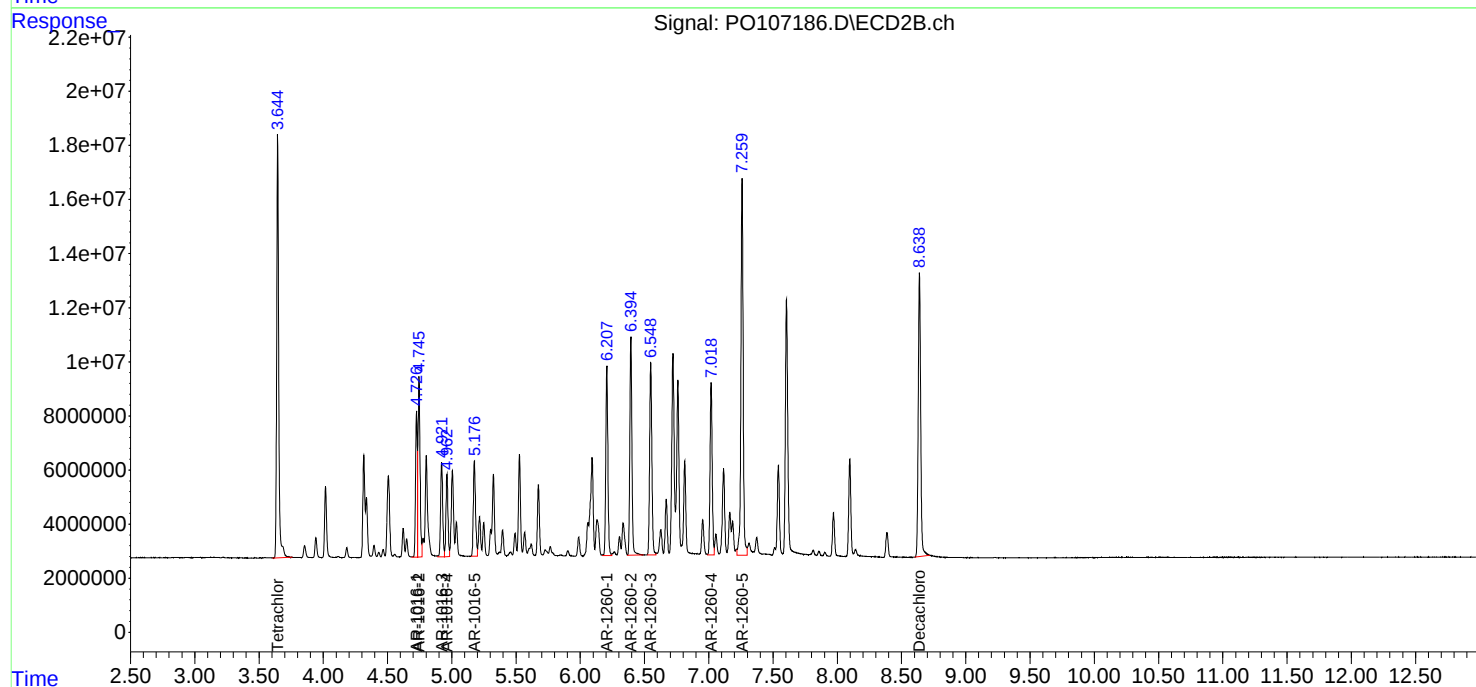
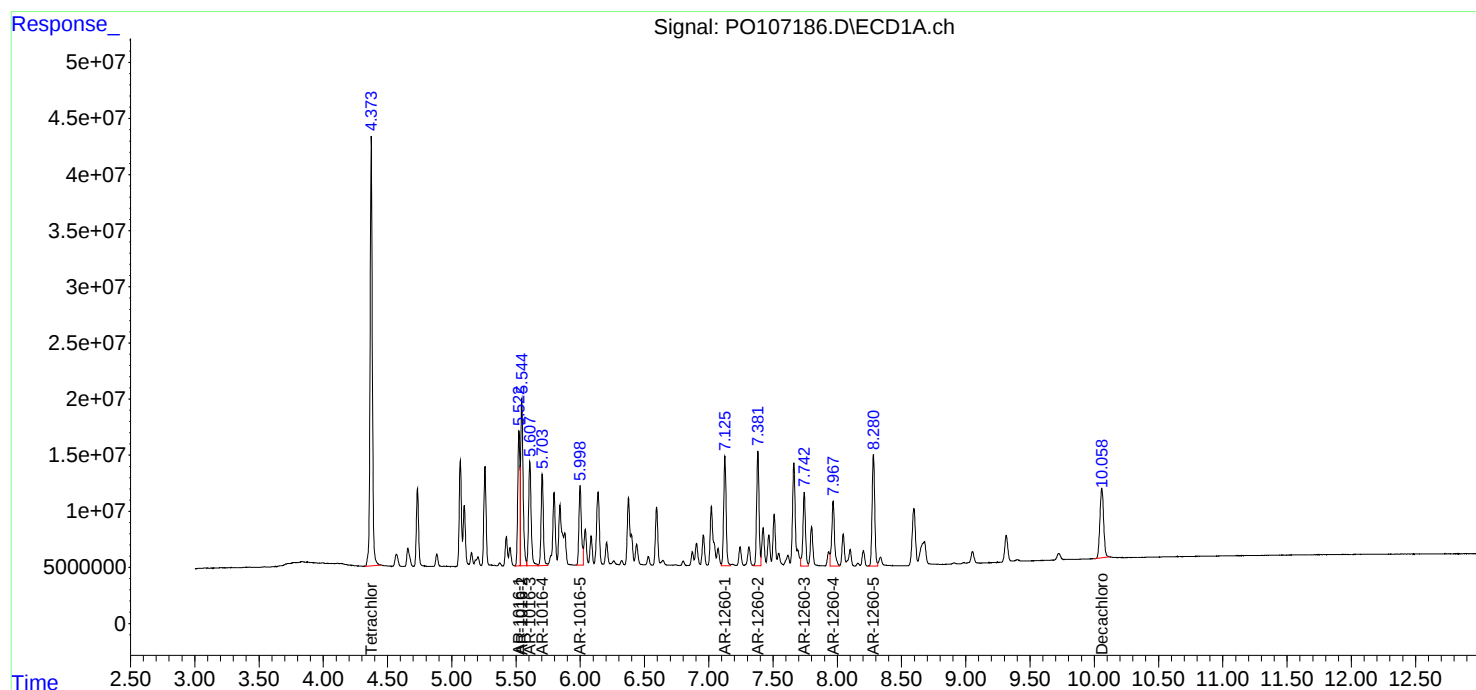
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

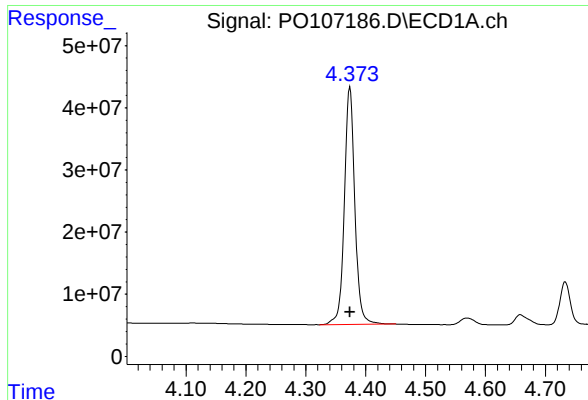
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : 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

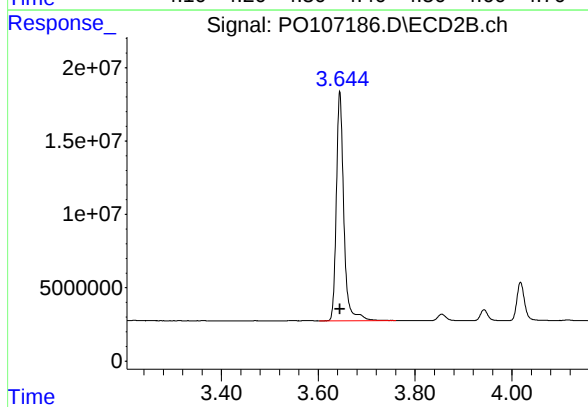




#1 Tetrachloro-m-xylene

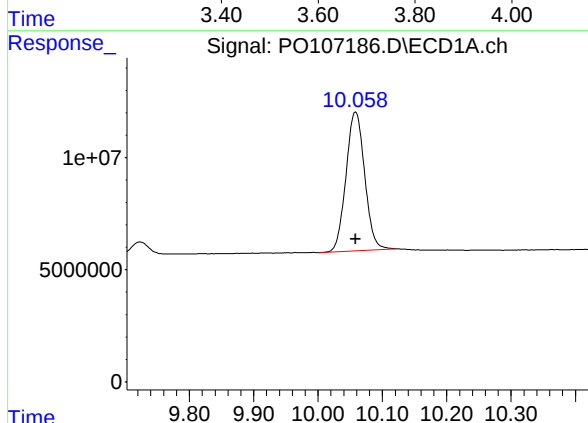
R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 464288143
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



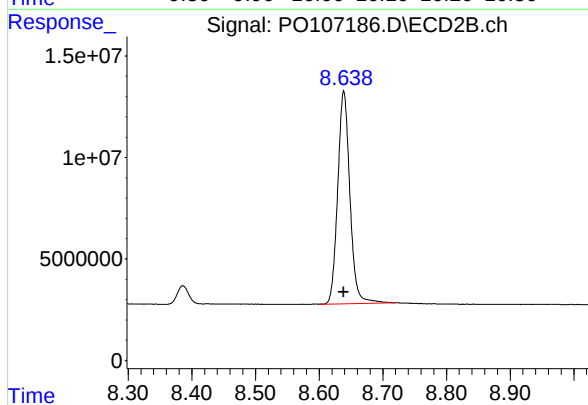
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 167453262
Conc: 50.00 ng/ml



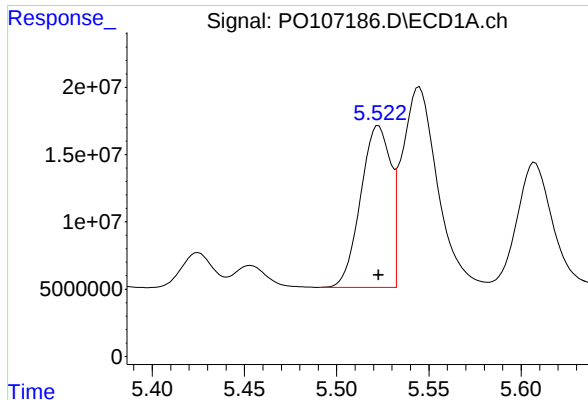
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 124823950
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

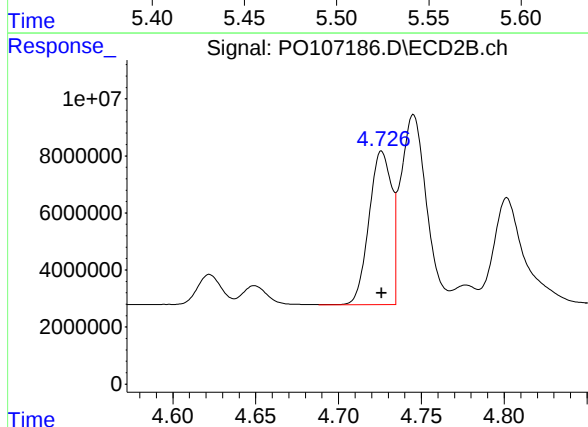
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 139239645
Conc: 50.00 ng/ml



#3 AR-1016-1

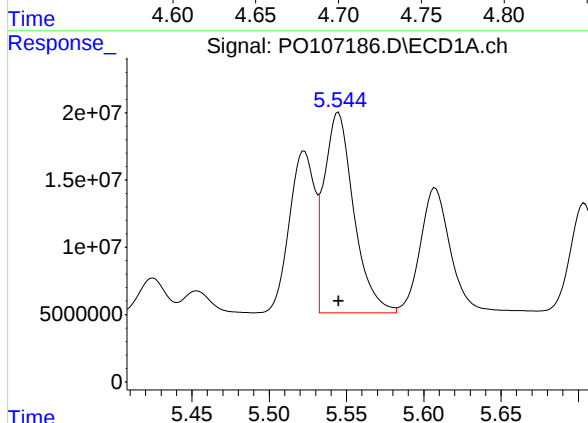
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 135969538
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



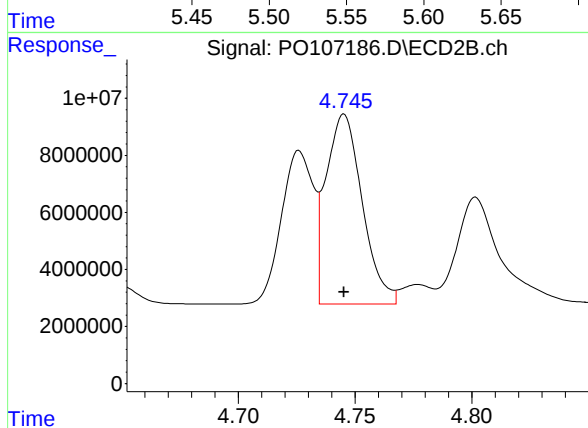
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 51266401
Conc: 500.00 ng/ml



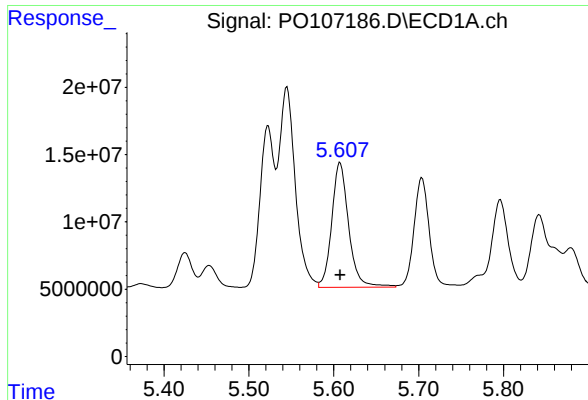
#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 198943676
Conc: 500.00 ng/ml



#4 AR-1016-2

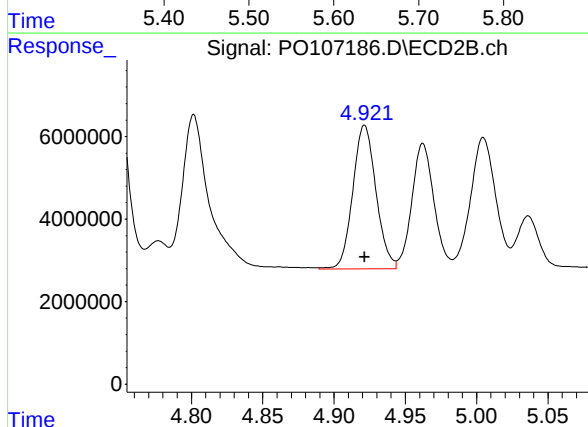
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 72157971
Conc: 500.00 ng/ml



#5 AR-1016-3

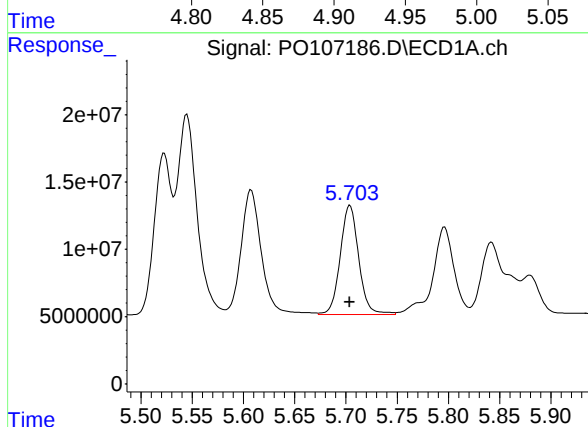
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 128287877
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



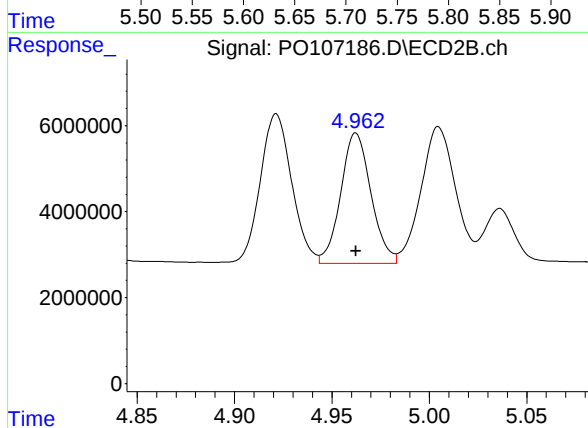
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 39399514
Conc: 500.00 ng/ml



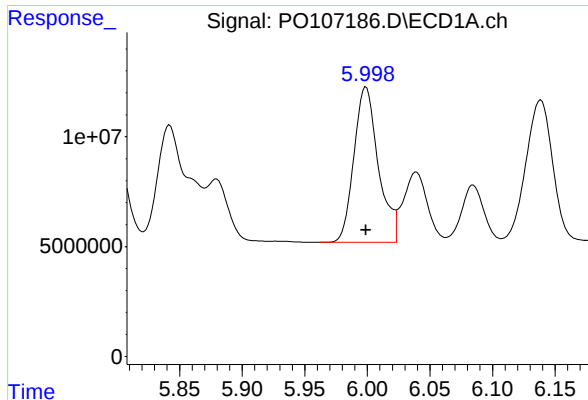
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 101481951
Conc: 500.00 ng/ml



#6 AR-1016-4

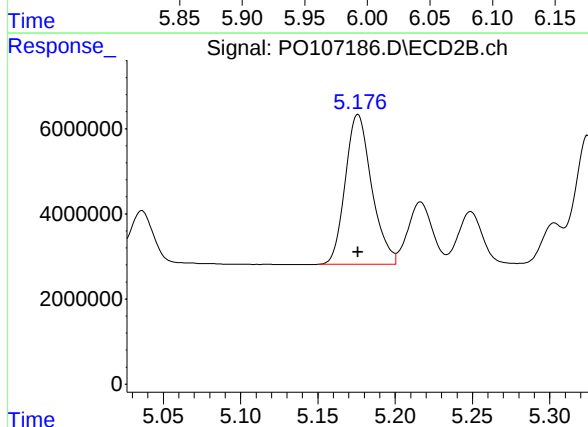
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 32803861
Conc: 500.00 ng/ml



#7 AR-1016-5

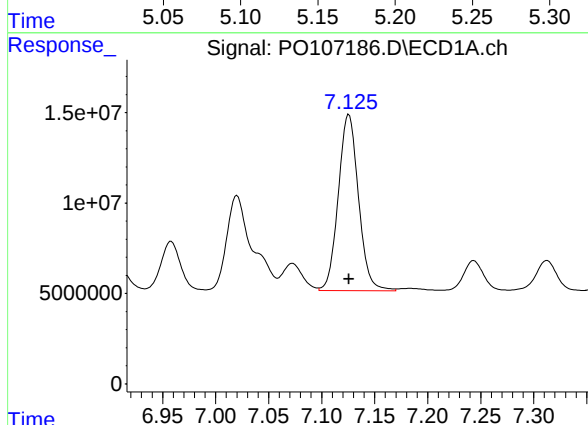
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 95743965
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



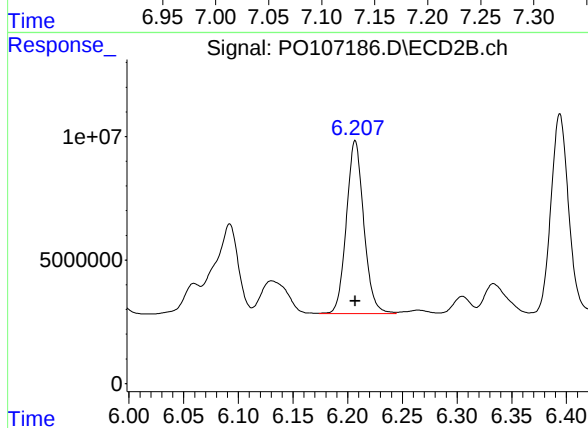
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 41761334
Conc: 500.00 ng/ml



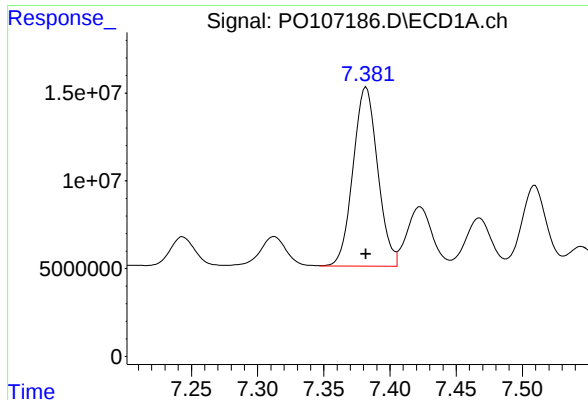
#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 129577987
Conc: 500.00 ng/ml



#31 AR-1260-1

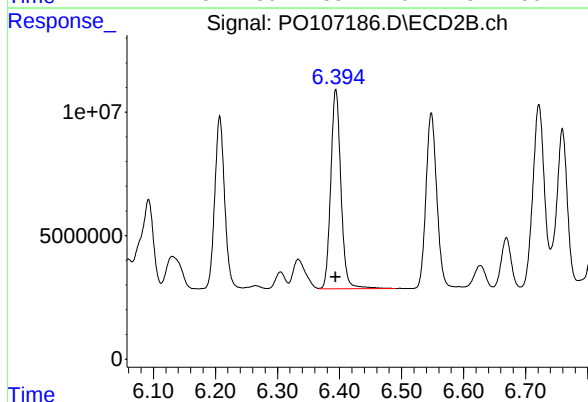
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 77565878
Conc: 500.00 ng/ml



#32 AR-1260-2

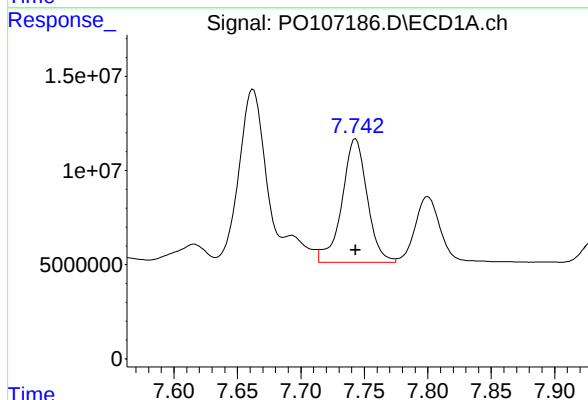
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 132041756
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



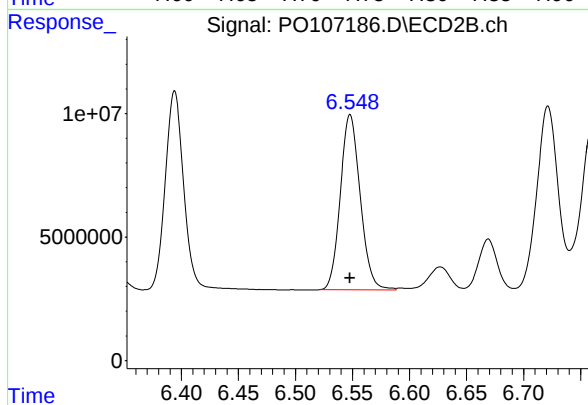
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 92052145
Conc: 500.00 ng/ml



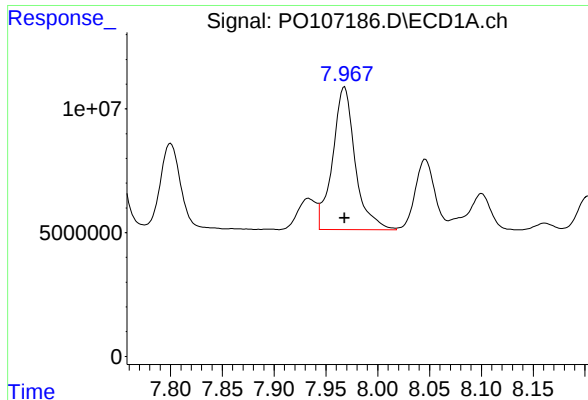
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 90745881
Conc: 500.00 ng/ml



#33 AR-1260-3

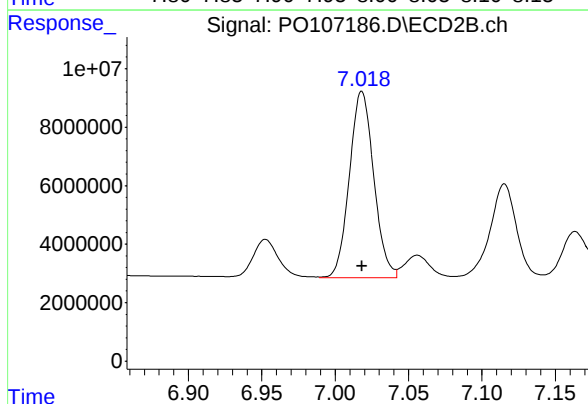
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 86054054
Conc: 500.00 ng/ml



#34 AR-1260-4

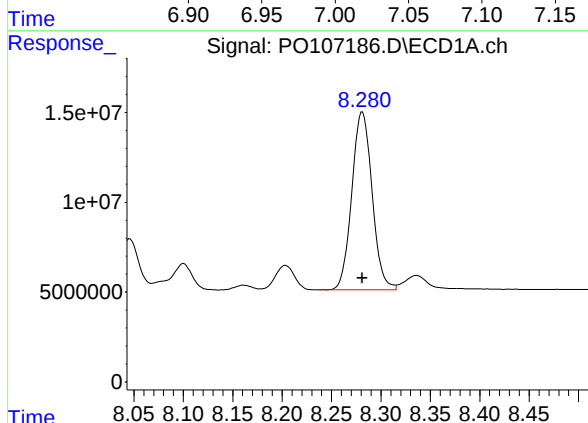
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 87644858
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



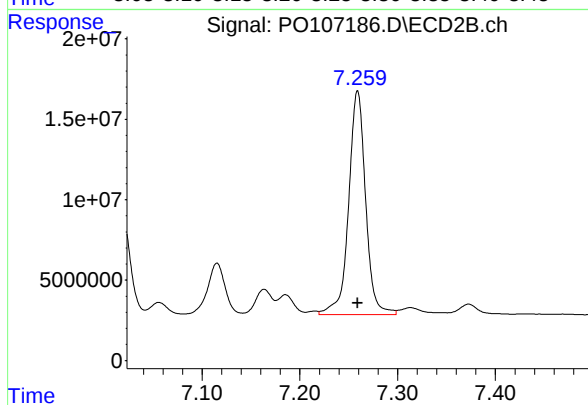
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 73557583
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 141517947
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 168398358
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107187.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:21
 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: Oct 16 01:25:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	238.7E6	80767902	25.706	24.117
2) SA Decachlor...	10.059	8.640	65095686	71320716	26.075	25.611
Target Compounds						
3) L1 AR-1016-1	5.522	4.727	72779622	26650346	267.632	259.920
4) L1 AR-1016-2	5.544	4.746	104.8E6	36719388	263.313	254.438
5) L1 AR-1016-3	5.606	4.921	69101416	20445837	269.322	259.468
6) L1 AR-1016-4	5.704	4.962	53770388	17391092	264.926	265.077
7) L1 AR-1016-5	5.998	5.176	50878723	21735247	265.702	260.232
31) L7 AR-1260-1	7.124	6.207	69305169	40485591	267.426	260.976
32) L7 AR-1260-2	7.381	6.394	71054115	47434059	269.059	257.648
33) L7 AR-1260-3	7.743	6.548	48784517	43997886	268.797	255.641
34) L7 AR-1260-4	7.966	7.018	46895508	37628553	267.531	255.776
35) L7 AR-1260-5	8.281	7.259	74817853	85097988	264.341	252.669

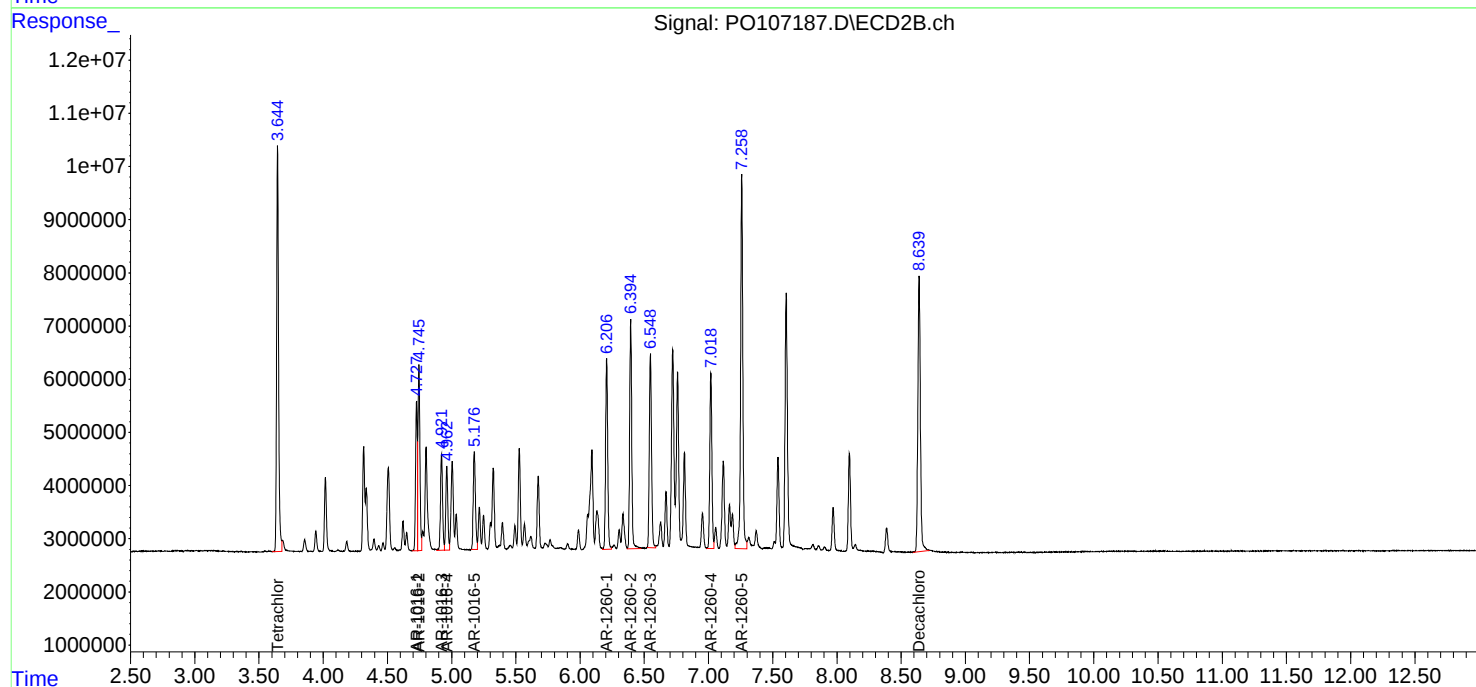
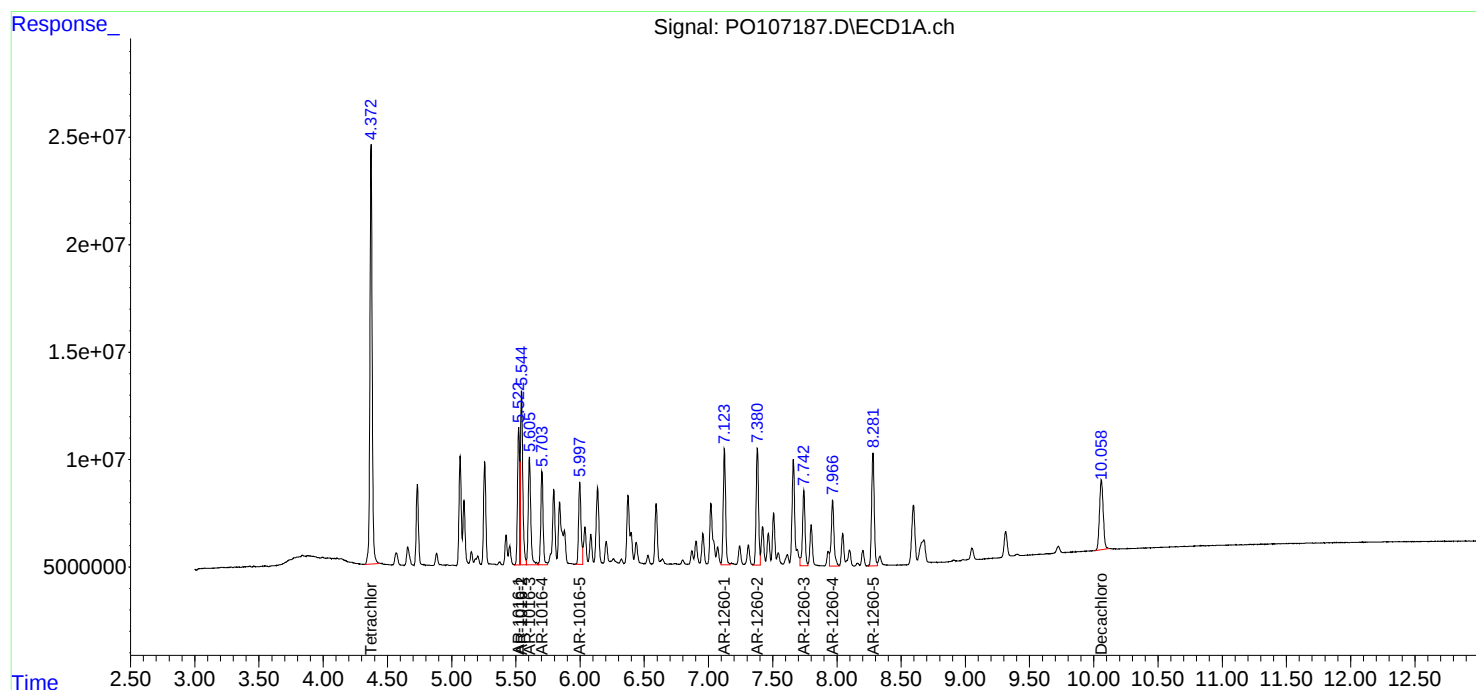
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

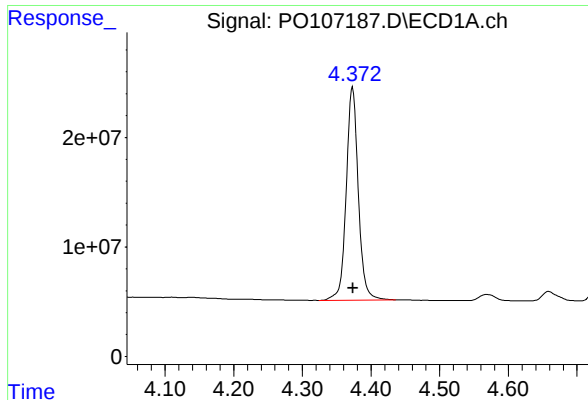
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : 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

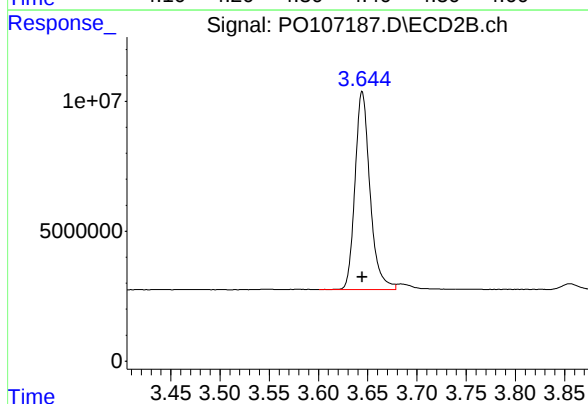




#1 Tetrachloro-m-xylene

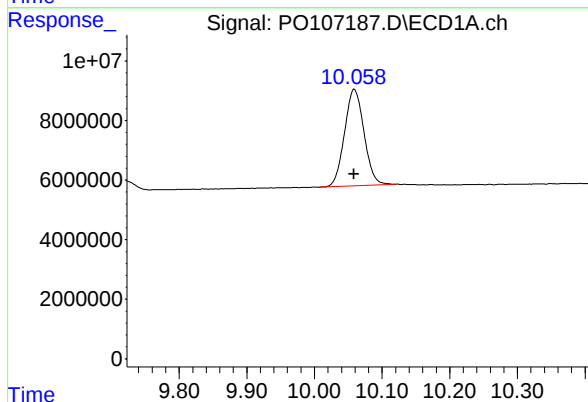
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 238700157
Conc: 25.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



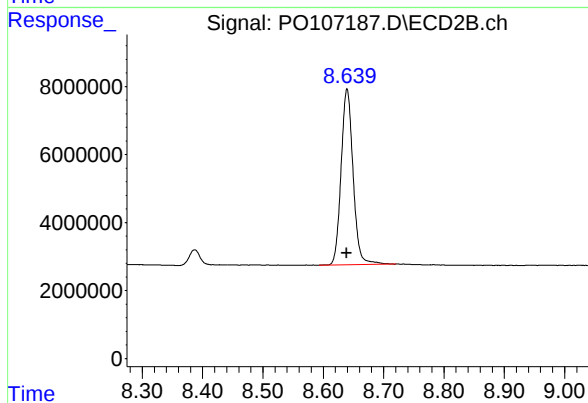
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 80767902
Conc: 24.12 ng/ml



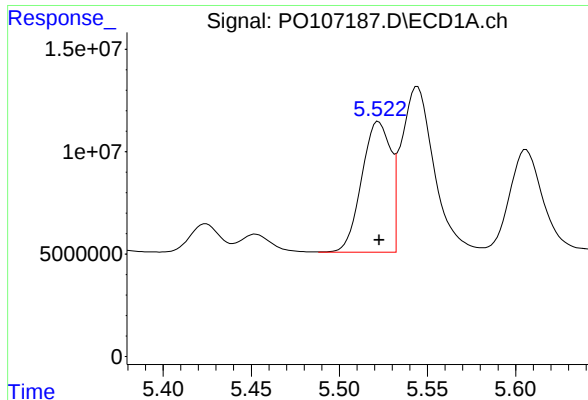
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 65095686
Conc: 26.07 ng/ml



#2 Decachlorobiphenyl

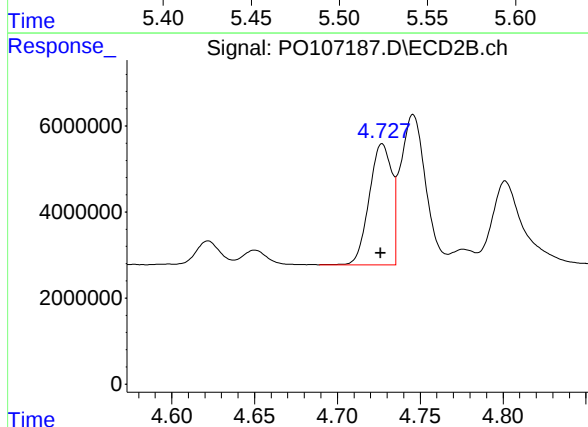
R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 71320716
Conc: 25.61 ng/ml



#3 AR-1016-1

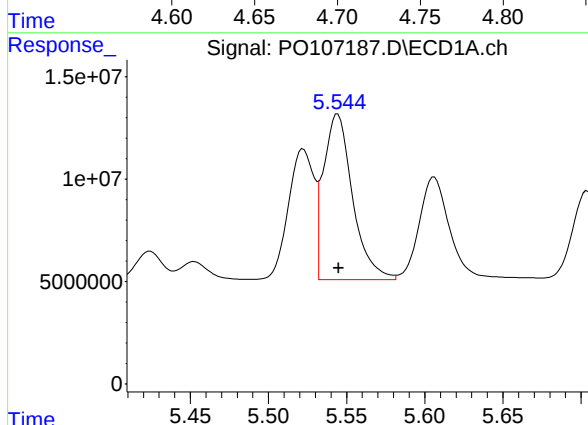
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 72779622
Conc: 267.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



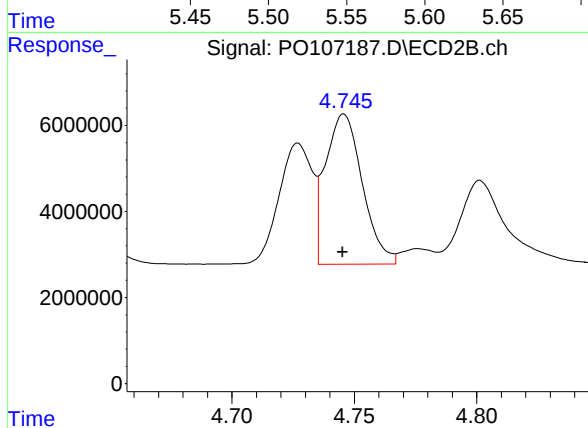
#3 AR-1016-1

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 26650346
Conc: 259.92 ng/ml



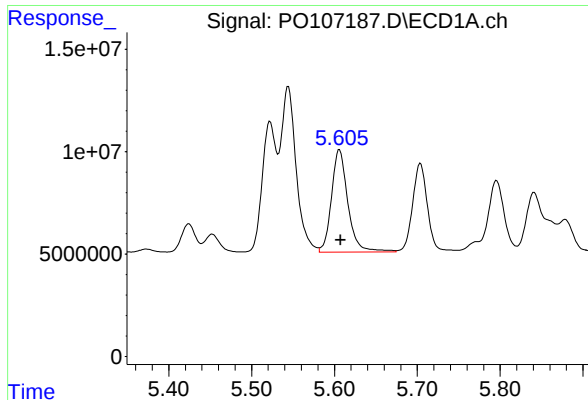
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 104768827
Conc: 263.31 ng/ml



#4 AR-1016-2

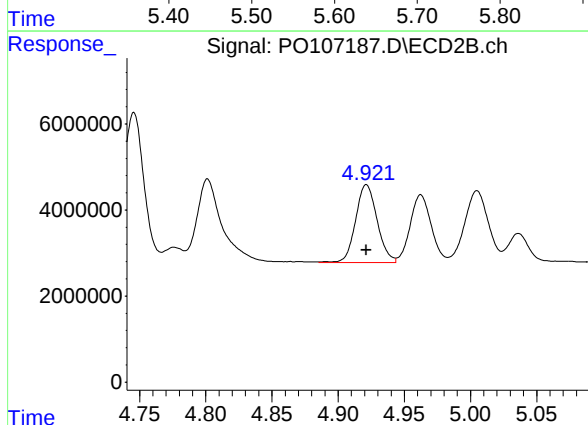
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 36719388
Conc: 254.44 ng/ml



#5 AR-1016-3

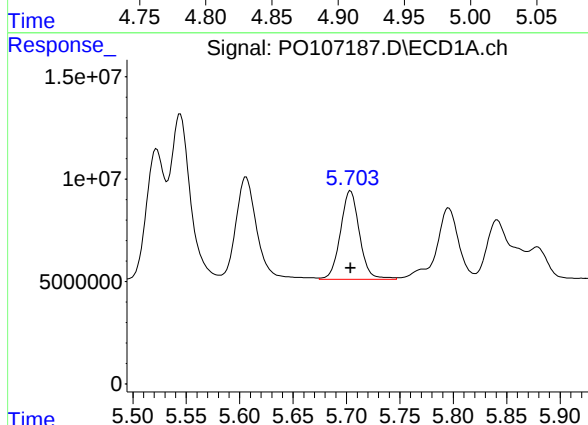
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 69101416
Conc: 269.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



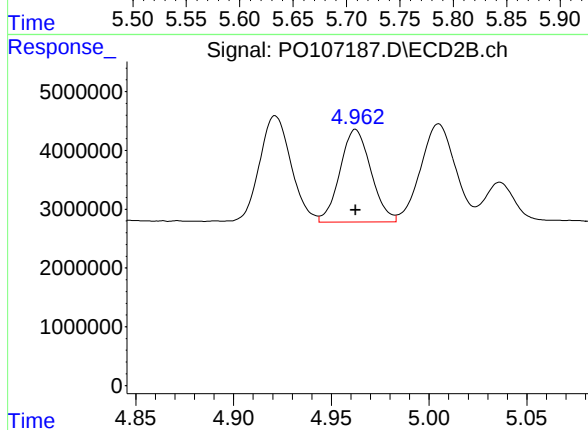
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 20445837
Conc: 259.47 ng/ml



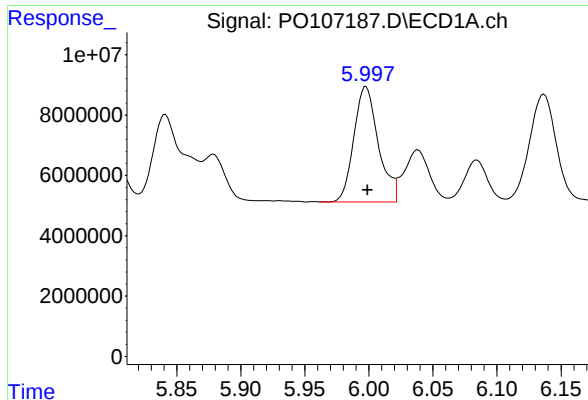
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 53770388
Conc: 264.93 ng/ml



#6 AR-1016-4

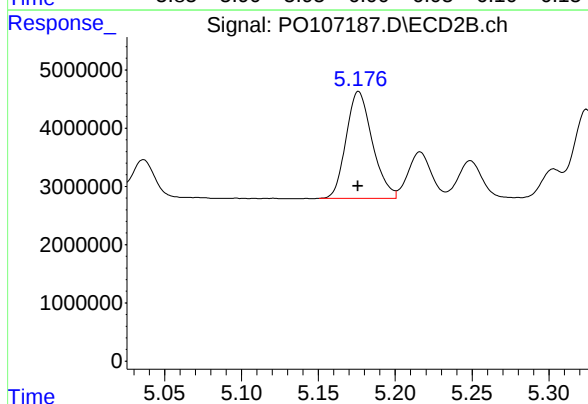
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 17391092
Conc: 265.08 ng/ml



#7 AR-1016-5

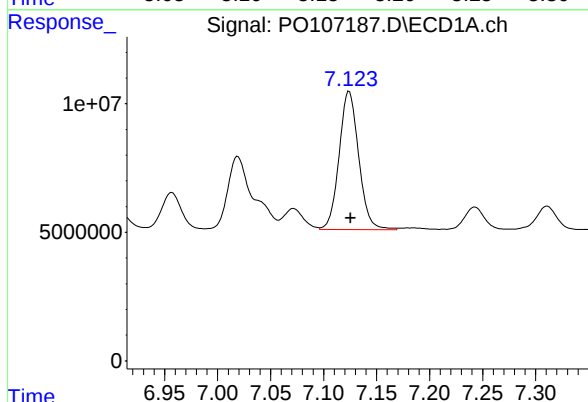
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 50878723
Conc: 265.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



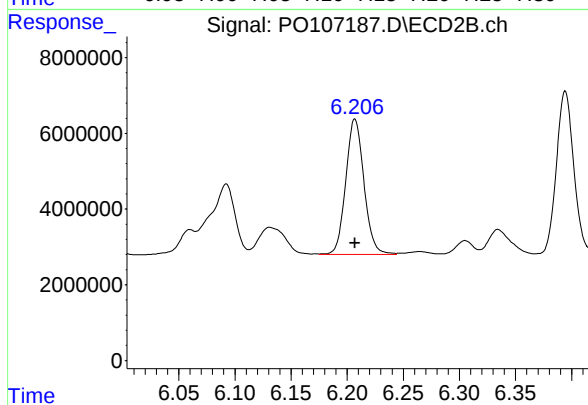
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 21735247
Conc: 260.23 ng/ml



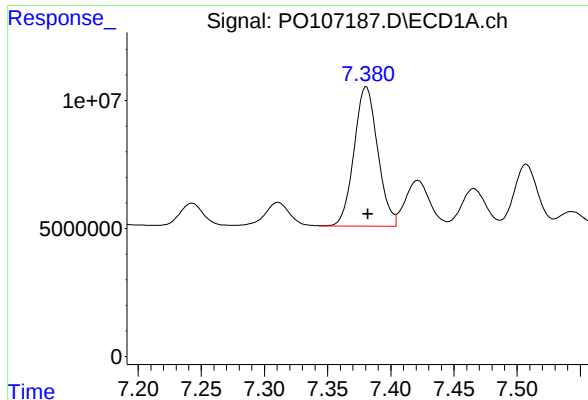
#31 AR-1260-1

R.T.: 7.124 min
Delta R.T.: -0.002 min
Response: 69305169
Conc: 267.43 ng/ml



#31 AR-1260-1

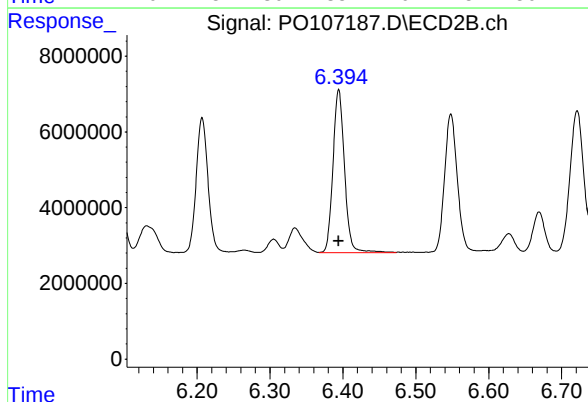
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 40485591
Conc: 260.98 ng/ml



#32 AR-1260-2

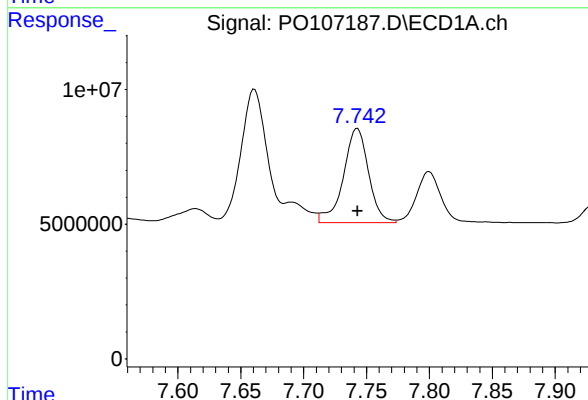
R.T.: 7.381 min
Delta R.T.: -0.001 min
Response: 71054115
Conc: 269.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



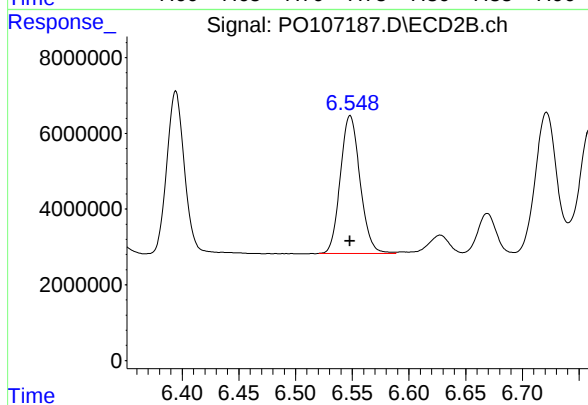
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 47434059
Conc: 257.65 ng/ml



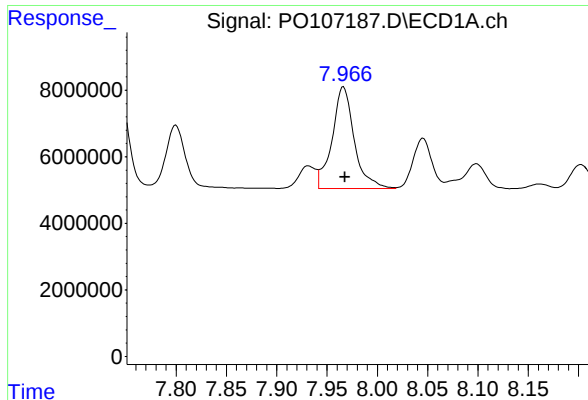
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 48784517
Conc: 268.80 ng/ml



#33 AR-1260-3

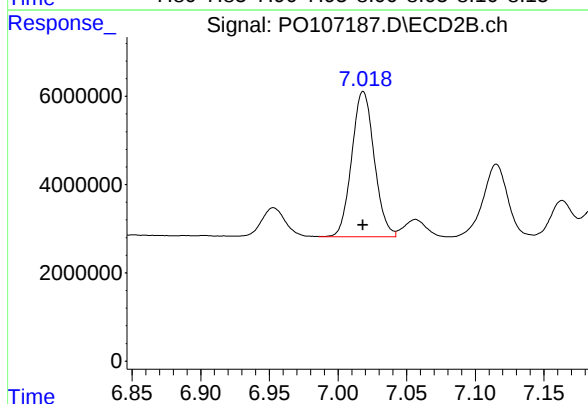
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 43997886
Conc: 255.64 ng/ml



#34 AR-1260-4

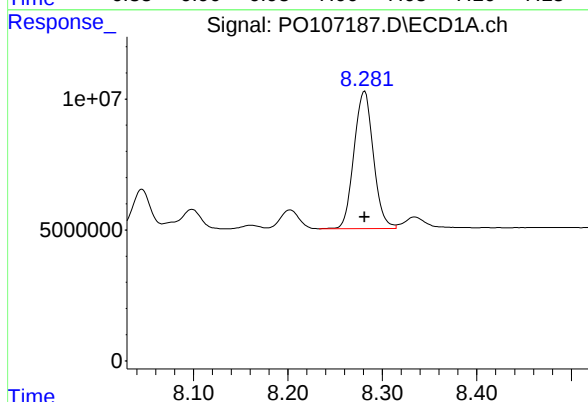
R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 46895508
Conc: 267.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



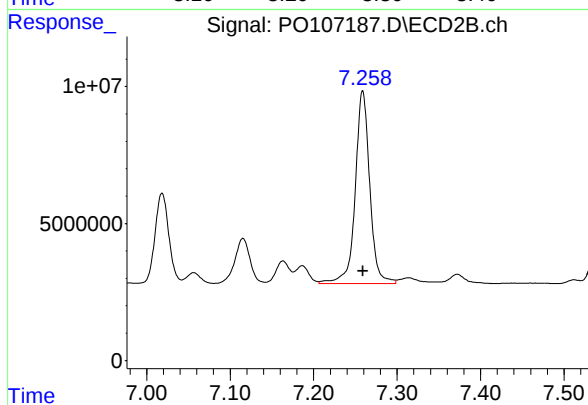
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 37628553
Conc: 255.78 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 74817853
Conc: 264.34 ng/ml



#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 85097988
Conc: 252.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107188.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:39
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:26:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.374	3.644	43726312	14311070	4.709	4.273
2) SA Decachlor...	10.060	8.639	11883434	12970025	4.760	4.657m
Target Compounds						
3) L1 AR-1016-1	5.523	4.727	13611471	5437001	50.053	53.027
4) L1 AR-1016-2	5.544	4.745	20533666	6518003	51.607	45.165
5) L1 AR-1016-3	5.607	4.922	12202124	4010763	47.558	50.899
6) L1 AR-1016-4	5.704	4.963	8277151	3521180	40.781	53.670 #
7) L1 AR-1016-5	5.999	5.176	7989825	4017833	41.725	48.105
31) L7 AR-1260-1	7.125	6.207	13579378	7810910	52.398	50.350m
32) L7 AR-1260-2	7.380	6.395	13632543	7572896	51.622m	41.134m
33) L7 AR-1260-3	7.743	6.548	9159133	7594706	50.466m	44.128m
34) L7 AR-1260-4	7.967	7.019	9276106	6862107	52.919	46.644m
35) L7 AR-1260-5	8.280	7.258	14867575	14474674	52.529m	42.977m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

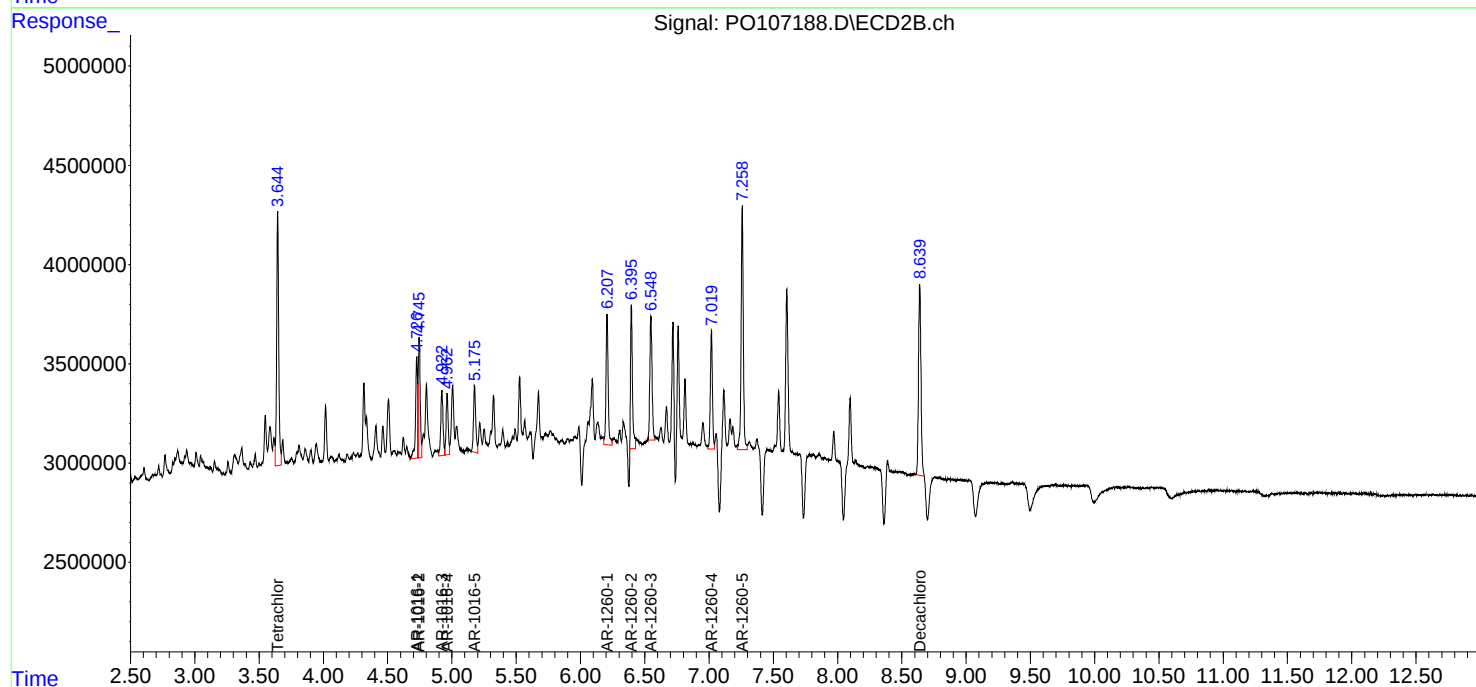
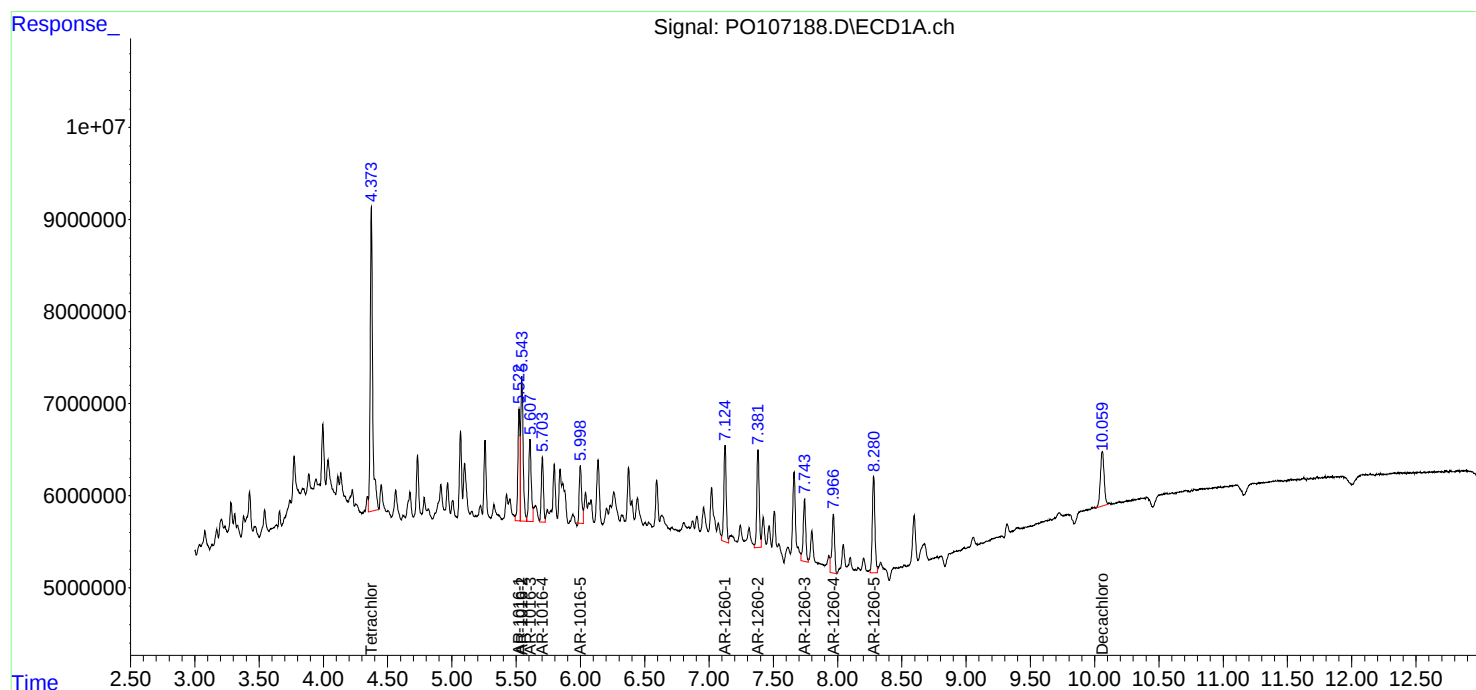
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

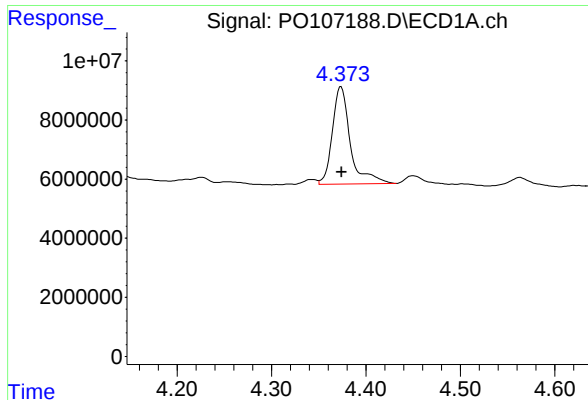
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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.: 4.374 min
Delta R.T.: 0.000 min
Response: 43726312
Conc: 4.71 ng/ml

Instrument :

ECD_O

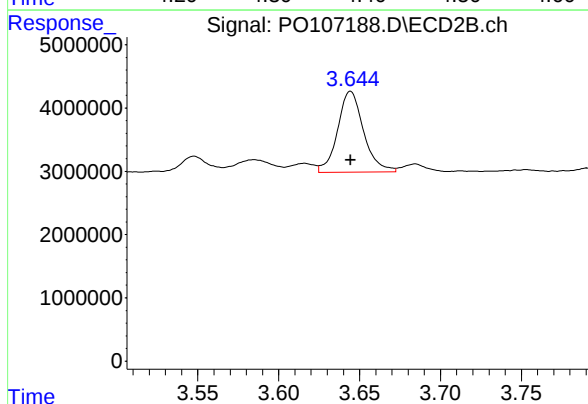
ClientSampleId :

AR1660ICC050

Manual Integrations

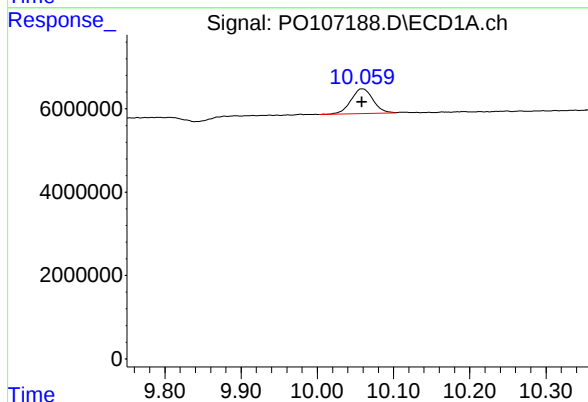
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



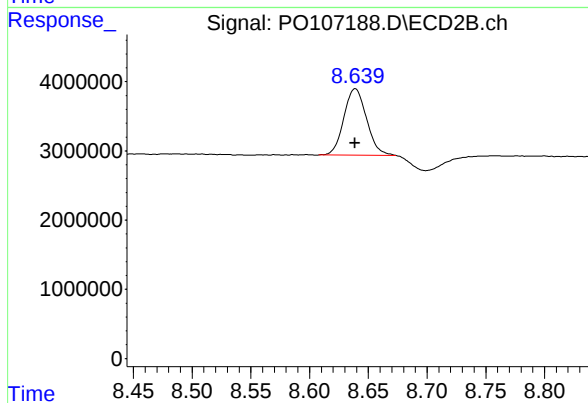
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14311070
Conc: 4.27 ng/ml



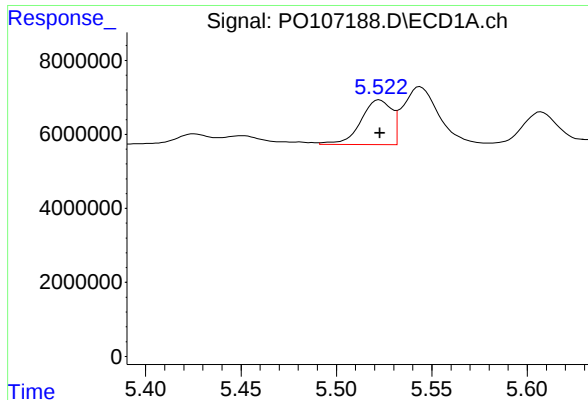
#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.001 min
Response: 11883434
Conc: 4.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 12970025
Conc: 4.66 ng/ml m



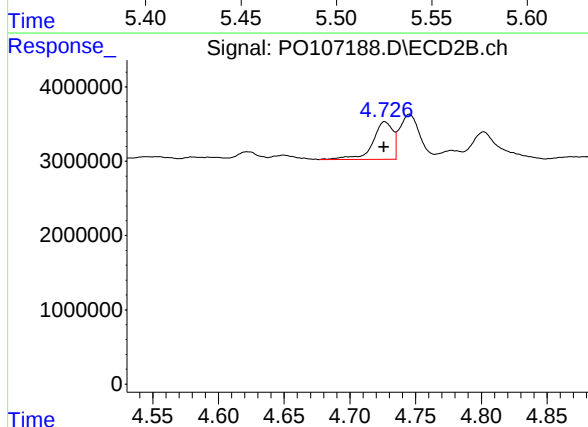
#3 AR-1016-1

R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 13611471
Conc: 50.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

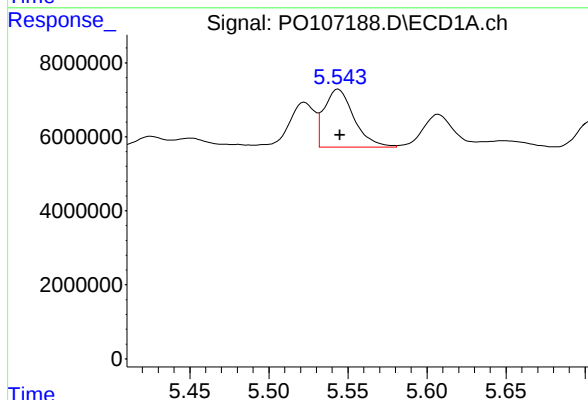
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



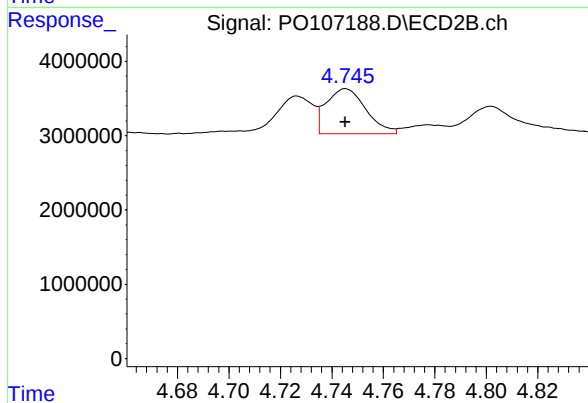
#3 AR-1016-1

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 5437001
Conc: 53.03 ng/ml



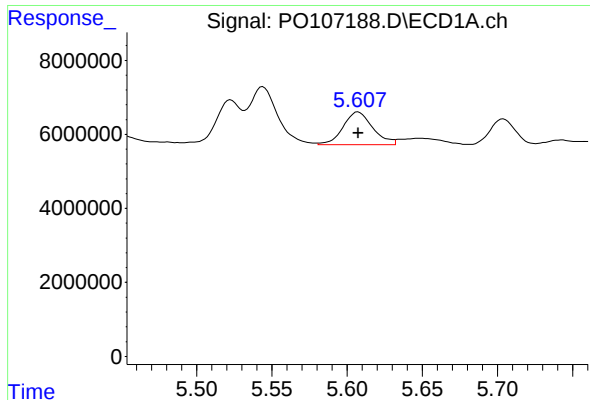
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 20533666
Conc: 51.61 ng/ml



#4 AR-1016-2

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 6518003
Conc: 45.16 ng/ml



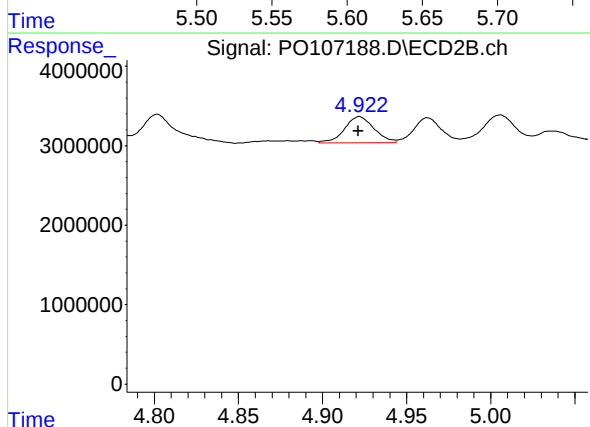
#5 AR-1016-3

R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 12202124
Conc: 47.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

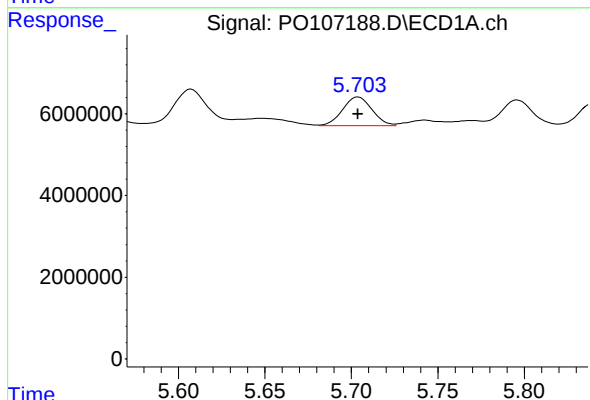
Manual Integrations
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Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



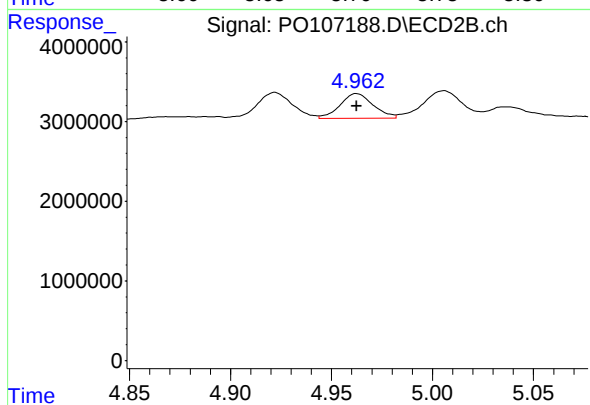
#5 AR-1016-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 4010763
Conc: 50.90 ng/ml



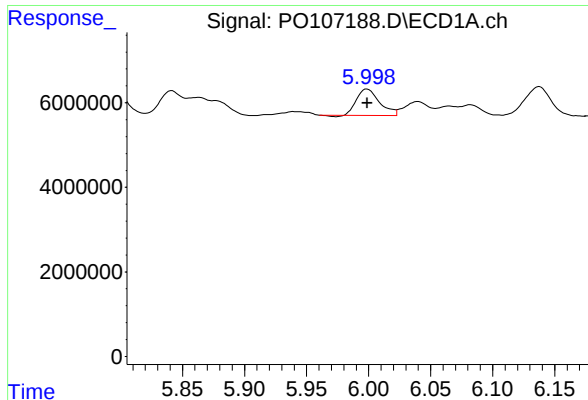
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 8277151
Conc: 40.78 ng/ml



#6 AR-1016-4

R.T.: 4.963 min
Delta R.T.: 0.000 min
Response: 3521180
Conc: 53.67 ng/ml



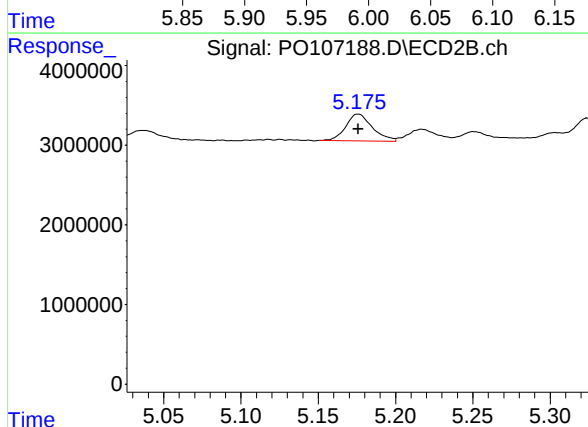
#7 AR-1016-5

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 7989825
Conc: 41.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

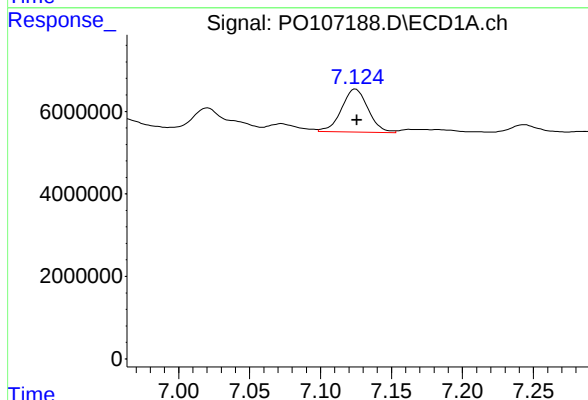
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



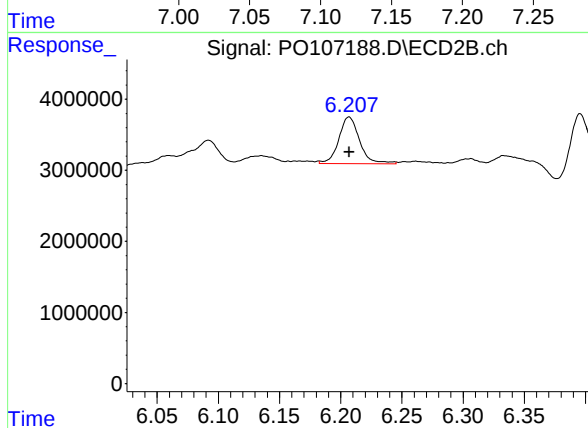
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 4017833
Conc: 48.10 ng/ml



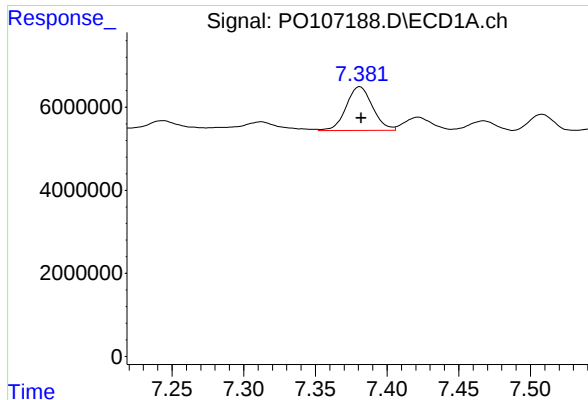
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 13579378
Conc: 52.40 ng/ml



#31 AR-1260-1

R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 7810910
Conc: 50.35 ng/ml m



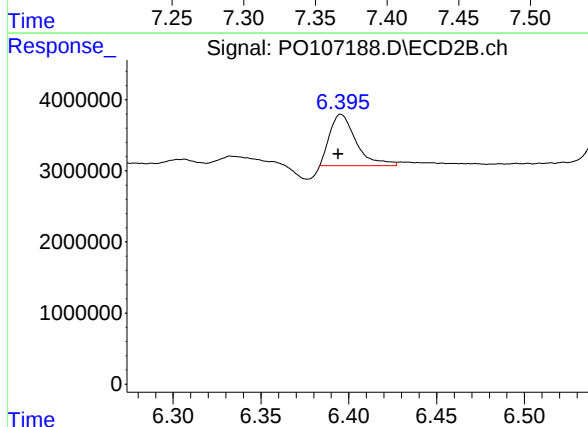
#32 AR-1260-2

R.T.: 7.380 min
Delta R.T.: -0.001 min
Response: 13632543
Conc: 51.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

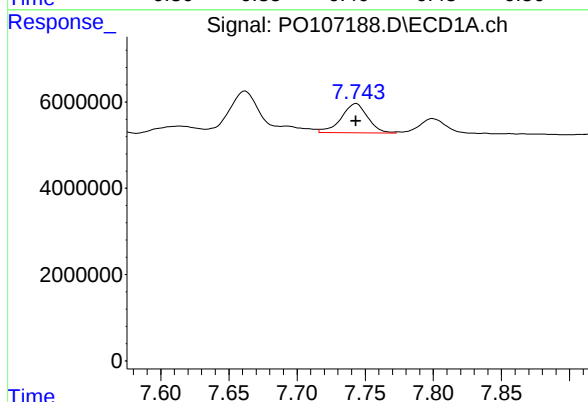
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



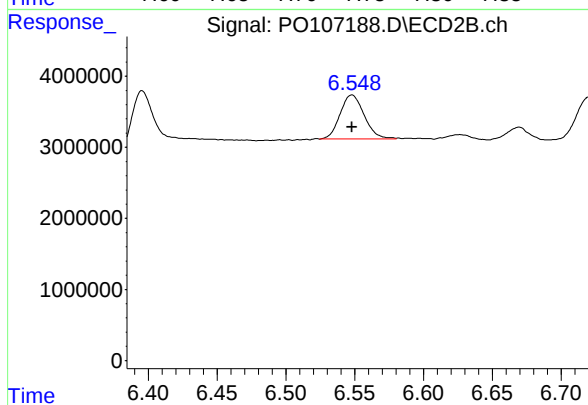
#32 AR-1260-2

R.T.: 6.395 min
Delta R.T.: 0.001 min
Response: 7572896
Conc: 41.13 ng/ml



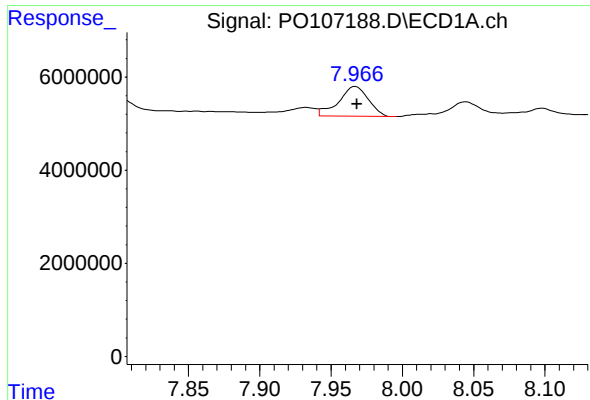
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 9159133
Conc: 50.47 ng/ml



#33 AR-1260-3

R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 7594706
Conc: 44.13 ng/ml



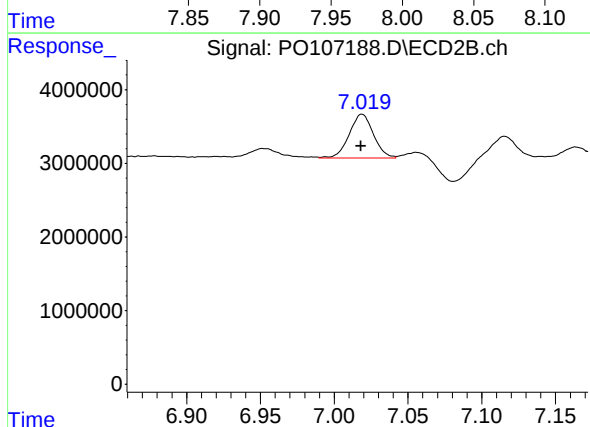
#34 AR-1260-4

R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 9276106
Conc: 52.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

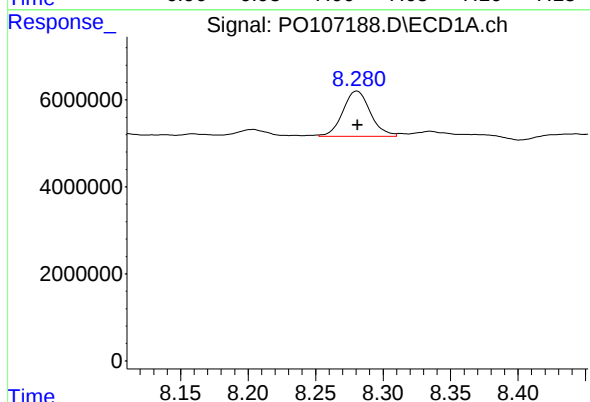
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



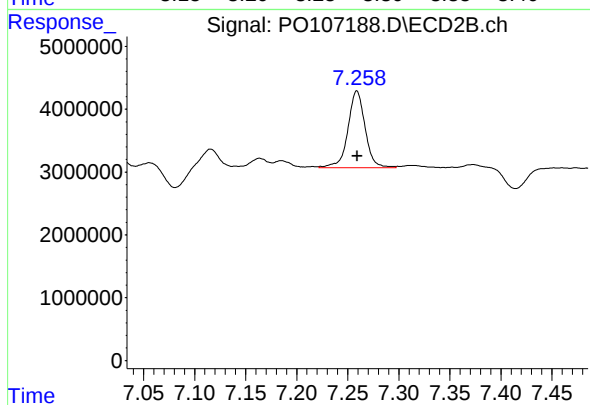
#34 AR-1260-4

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 6862107
Conc: 46.64 ng/ml



#35 AR-1260-5

R.T.: 8.280 min
Delta R.T.: -0.001 min
Response: 14867575
Conc: 52.53 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 14474674
Conc: 42.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107189.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:57
 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: Oct 16 01:41:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:40:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	449.1E6	154.1E6	50.000	50.000
2) SA Decachlor...	10.060	8.639	121.6E6	134.8E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.573	3.856	55004944	17447760	500.000	500.000
9) L2 AR-1221-2	4.658	3.942	39418330	13312448	500.000	500.000
10) L2 AR-1221-3	4.733	4.018	117.0E6	40609299	500.000	500.000

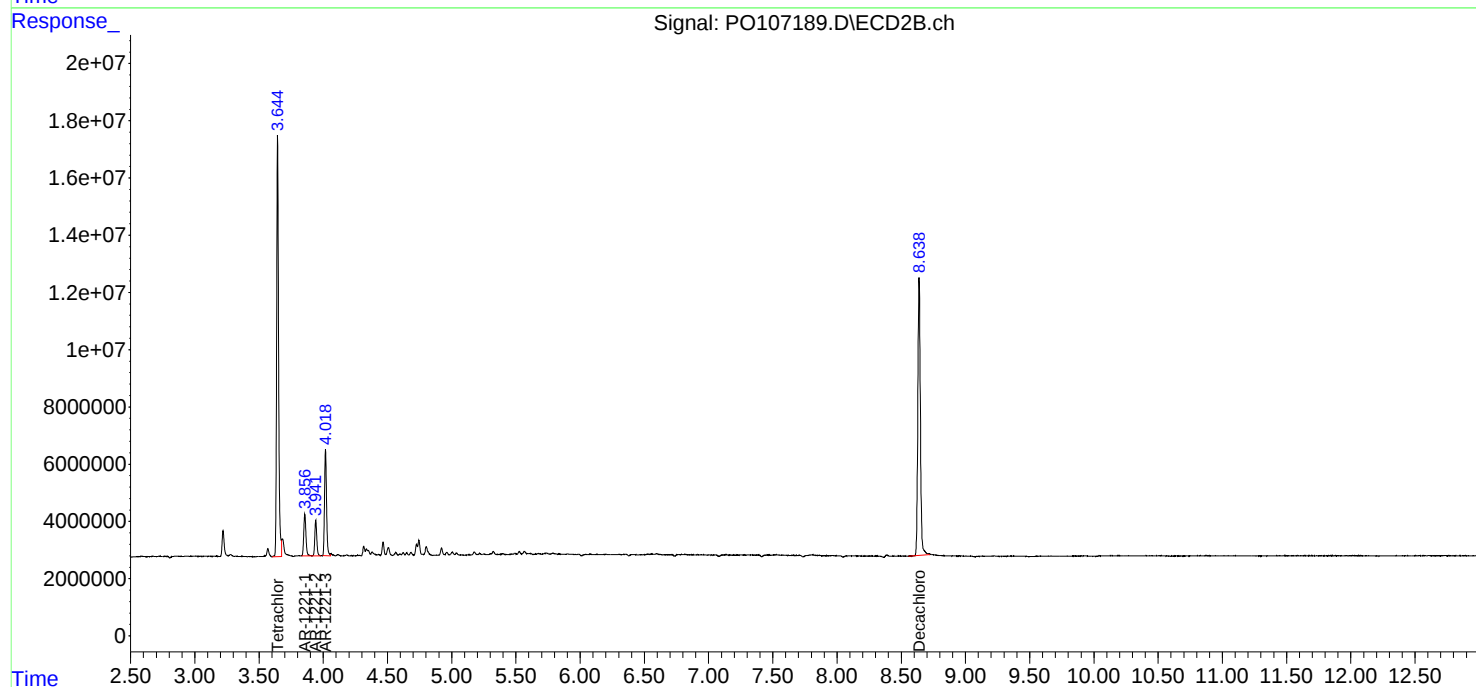
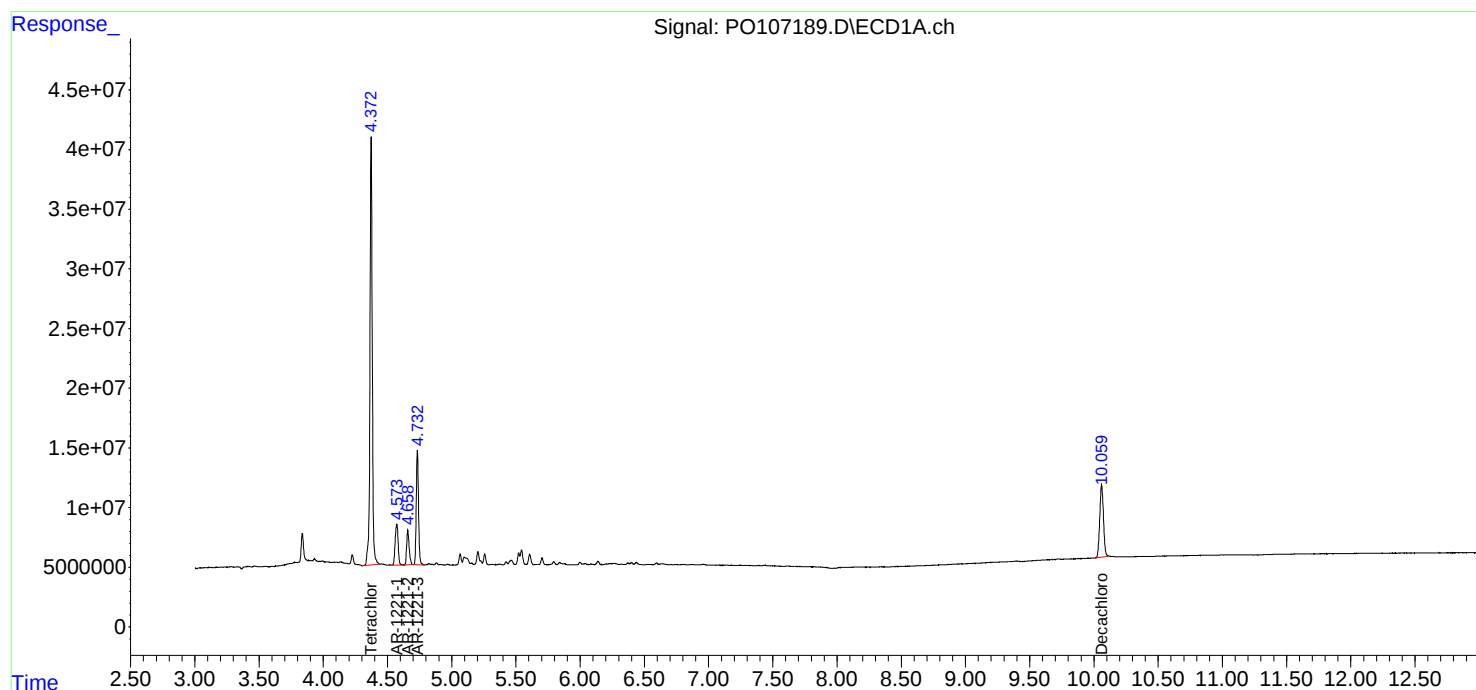
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

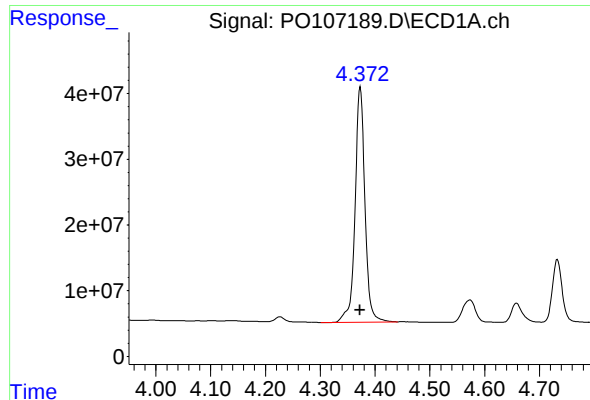
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 2024
Response via : 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

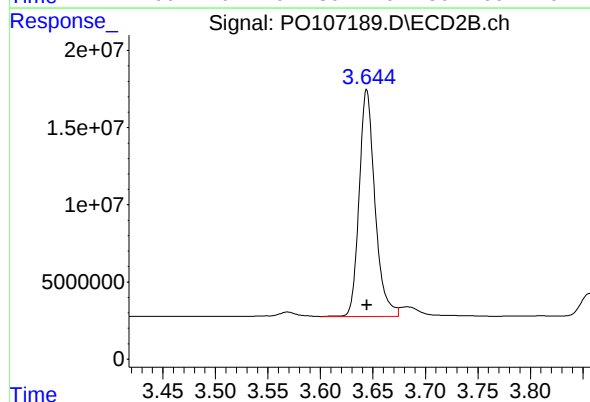




#1 Tetrachloro-m-xylene

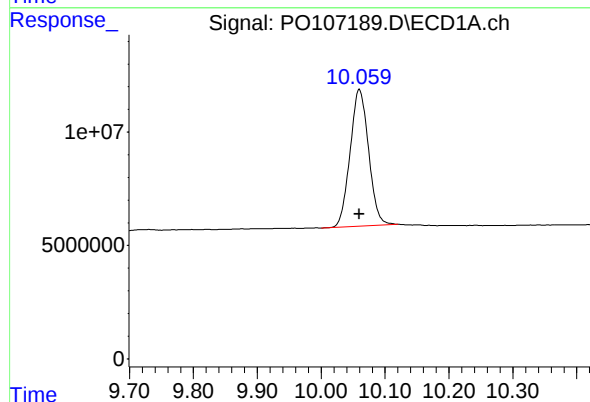
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 449133612
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



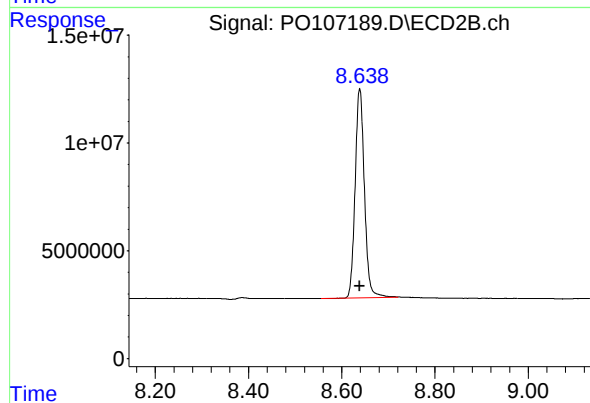
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 154054428
Conc: 50.00 ng/ml



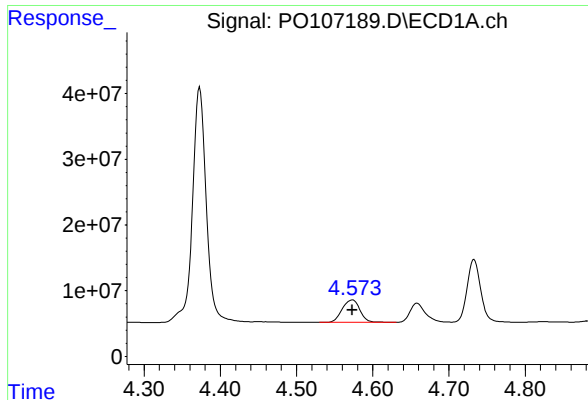
#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.000 min
Response: 121624498
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

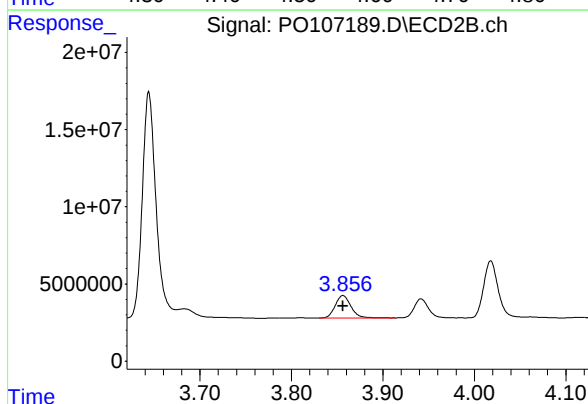
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 134768135
Conc: 50.00 ng/ml



#8 AR-1221-1

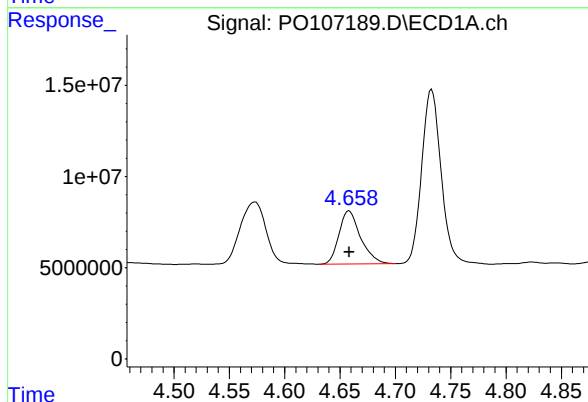
R.T.: 4.573 min
Delta R.T.: 0.000 min
Response: 55004944
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



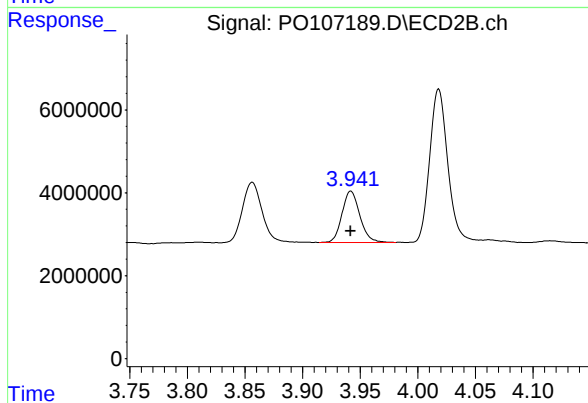
#8 AR-1221-1

R.T.: 3.856 min
Delta R.T.: 0.000 min
Response: 17447760
Conc: 500.00 ng/ml



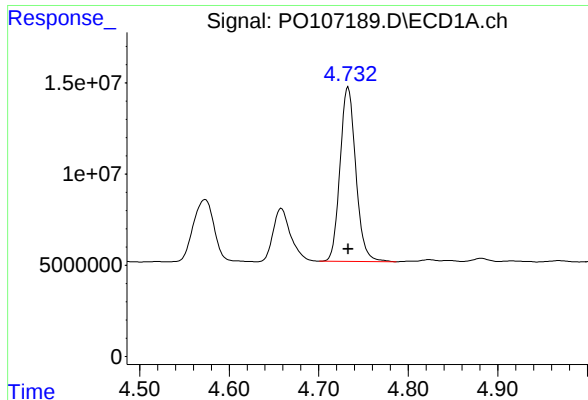
#9 AR-1221-2

R.T.: 4.658 min
Delta R.T.: 0.000 min
Response: 39418330
Conc: 500.00 ng/ml



#9 AR-1221-2

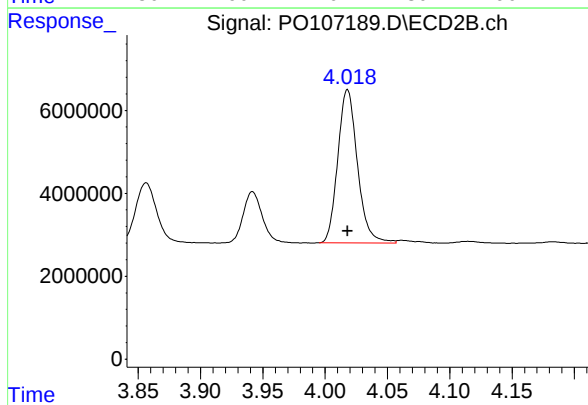
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 13312448
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 117049992
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 40609299
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107190.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 20:15
 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: Oct 16 01:46:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:45:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	454.2E6	157.5E6	50.000	50.000
2) SA Decachlor...	10.059	8.639	121.6E6	135.6E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.733	4.017	97921824	33663502	500.000	500.000
12) L3 AR-1232-2	5.258	4.745	51512576	31602645	500.000	500.000
13) L3 AR-1232-3	5.544	4.921	89500289	17237464	500.000	500.000
14) L3 AR-1232-4	5.704	5.004	45082743	15732978	500.000	500.000
15) L3 AR-1232-5	5.796	5.176	32951614	16541659	500.000	500.000

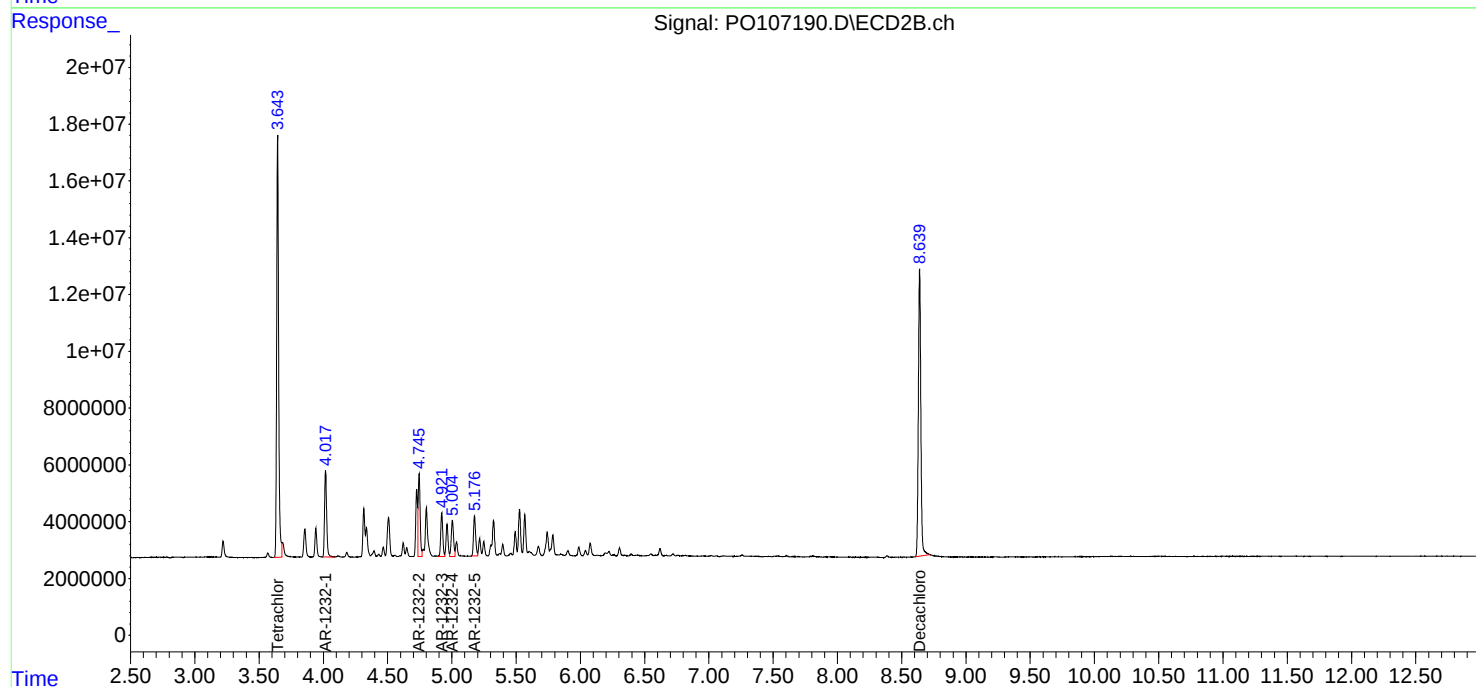
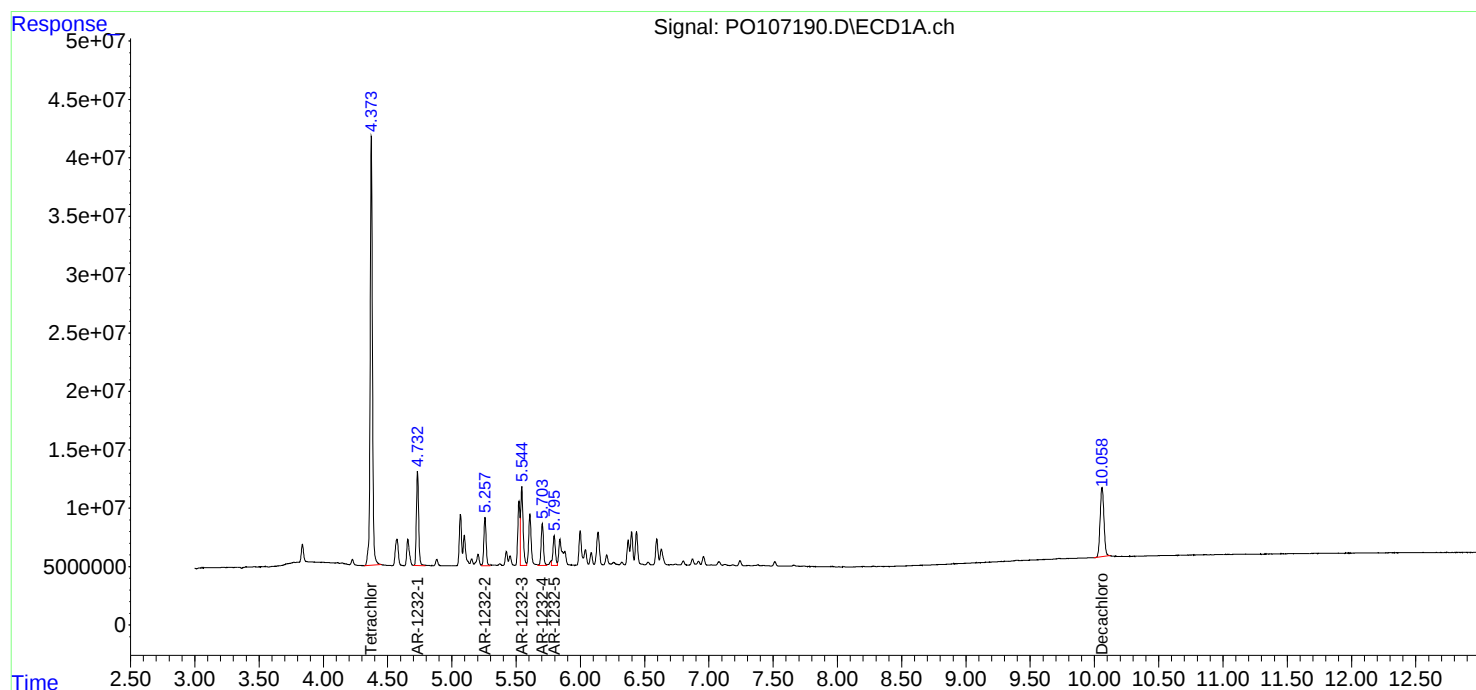
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

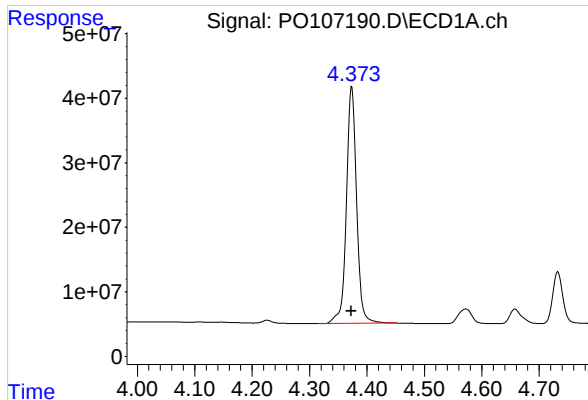
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

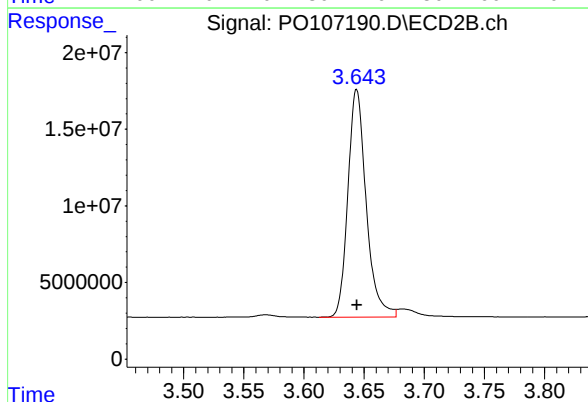




#1 Tetrachloro-m-xylene

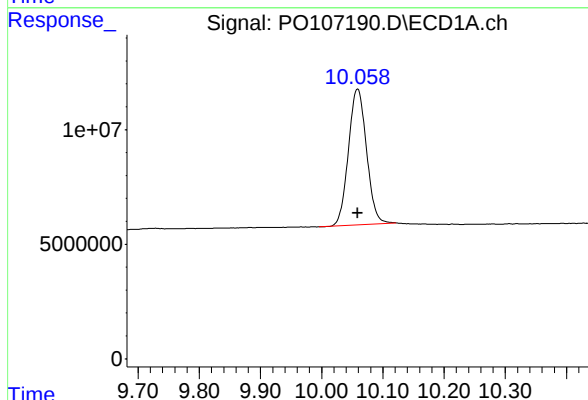
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 454164139
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



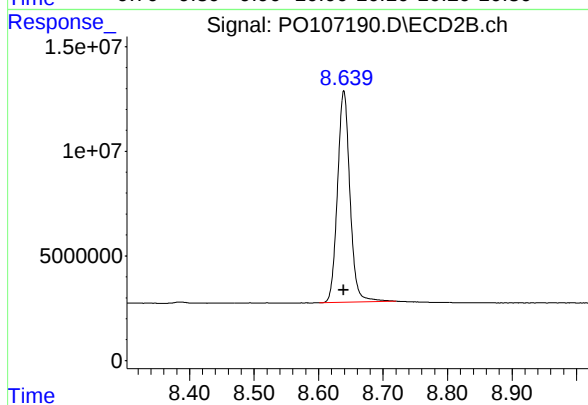
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 157500410
Conc: 50.00 ng/ml



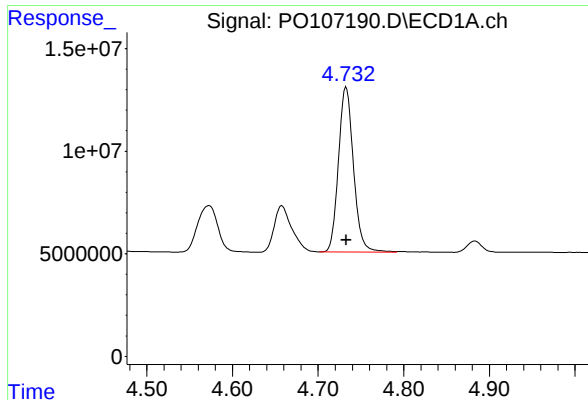
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 121597713
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

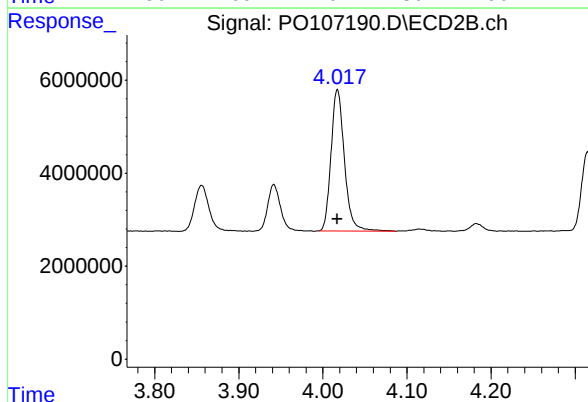
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 135573923
Conc: 50.00 ng/ml



#11 AR-1232-1

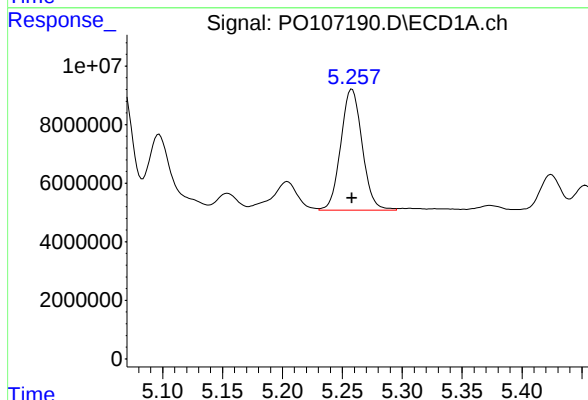
R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 97921824
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



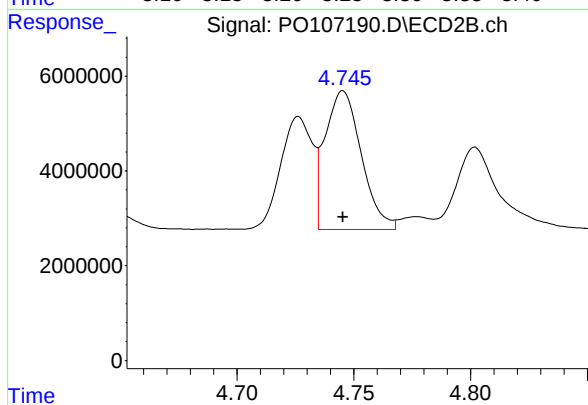
#11 AR-1232-1

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 33663502
Conc: 500.00 ng/ml



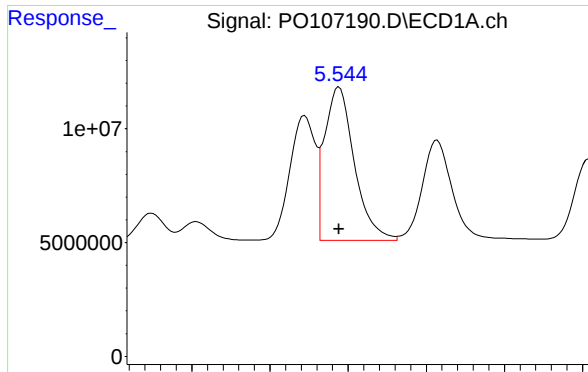
#12 AR-1232-2

R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 51512576
Conc: 500.00 ng/ml



#12 AR-1232-2

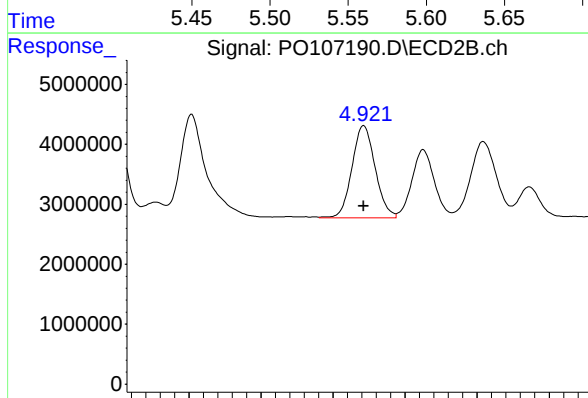
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 31602645
Conc: 500.00 ng/ml



#13 AR-1232-3

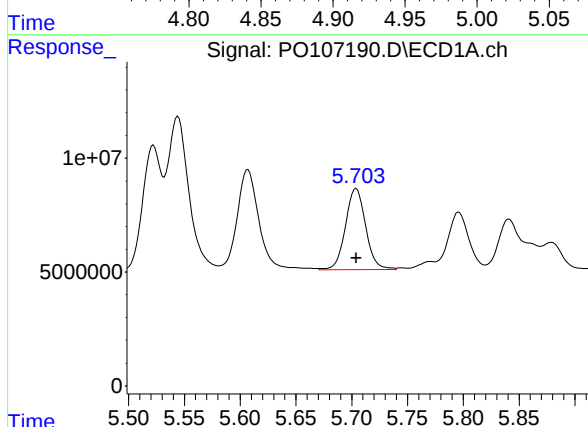
R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 89500289
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



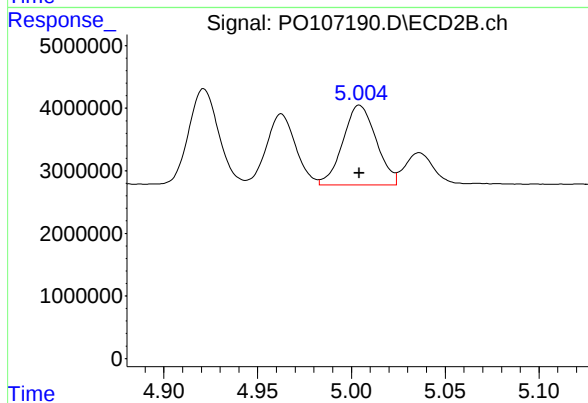
#13 AR-1232-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 17237464
Conc: 500.00 ng/ml



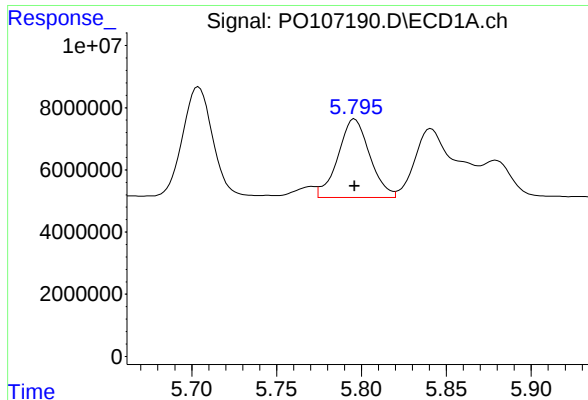
#14 AR-1232-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 45082743
Conc: 500.00 ng/ml



#14 AR-1232-4

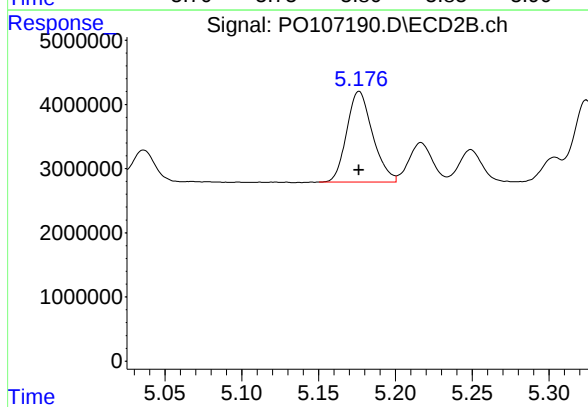
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 15732978
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 32951614
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 16541659
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107191.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 20:34
 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: Oct 16 01:49:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	886.0E6	331.6E6	96.865	99.238
2) SA Decachlor...	10.061	8.638	233.9E6	268.7E6	93.851	97.198
Target Compounds						
16) L4 AR-1242-1	5.522	4.726	207.9E6	80390662	935.818	957.741
17) L4 AR-1242-2	5.545	4.745	302.4E6	114.5E6	934.753	972.360
18) L4 AR-1242-3	5.607	4.921	191.9E6	61817452	915.447	959.943
19) L4 AR-1242-4	5.704	5.004	150.4E6	60582529	924.137	940.948
20) L4 AR-1242-5	6.437	5.526	141.0E6	73763103	917.497	955.284

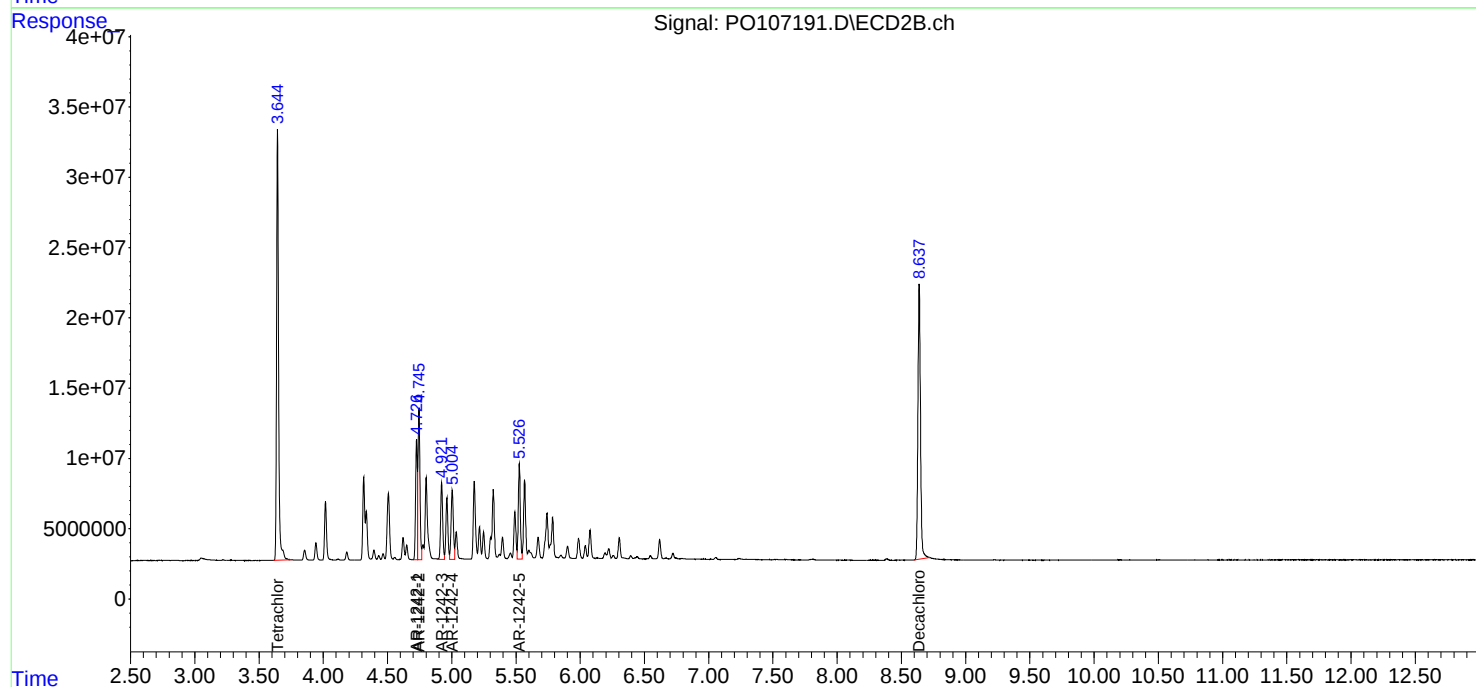
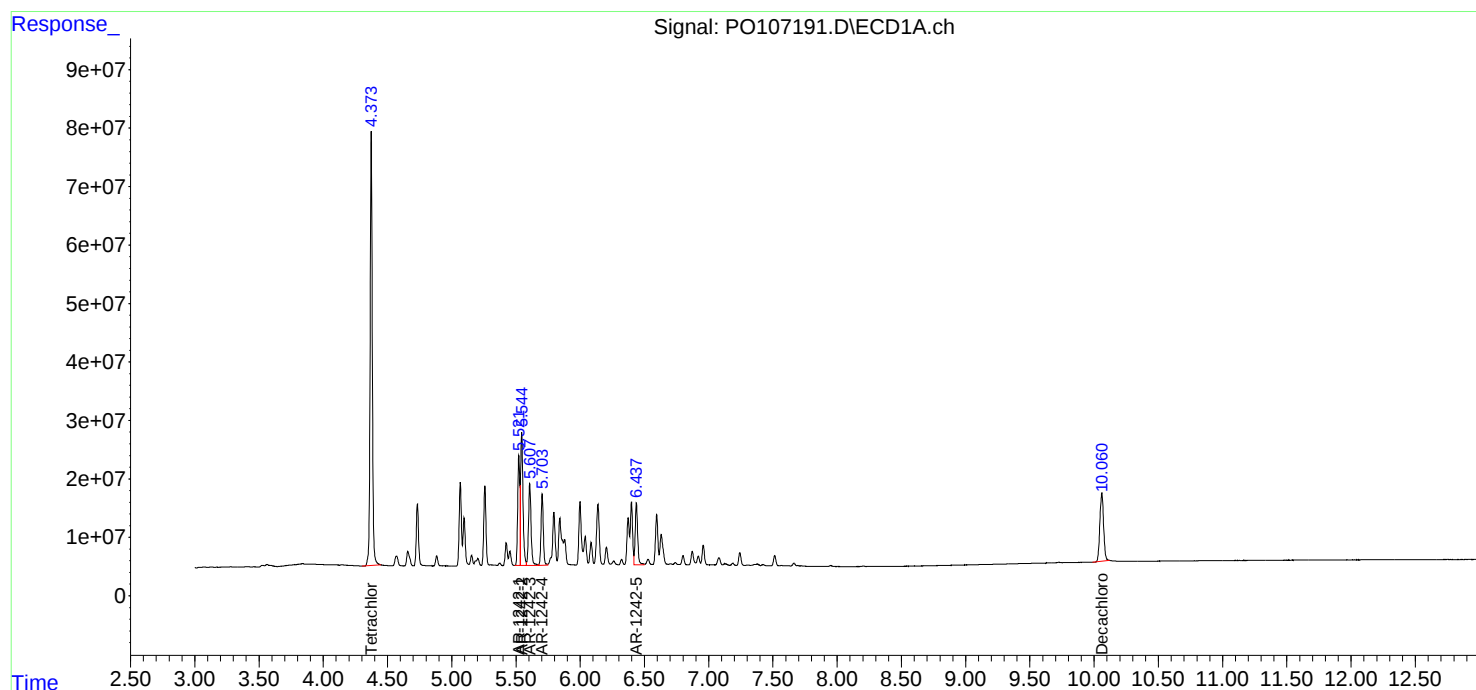
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

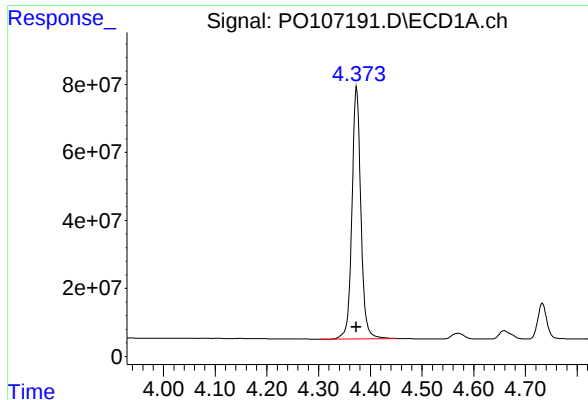
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

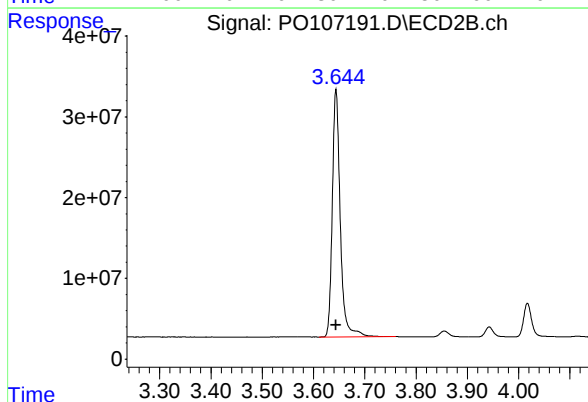




#1 Tetrachloro-m-xylene

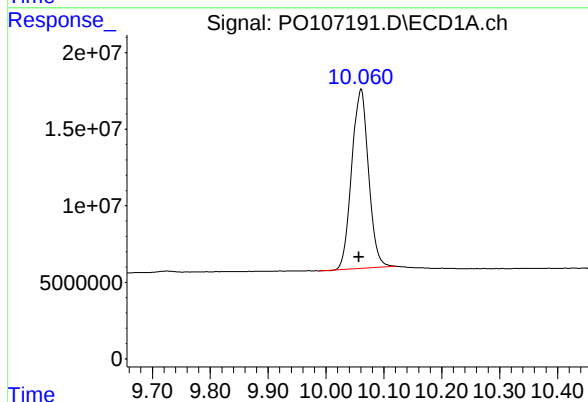
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 886004362
Conc: 96.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



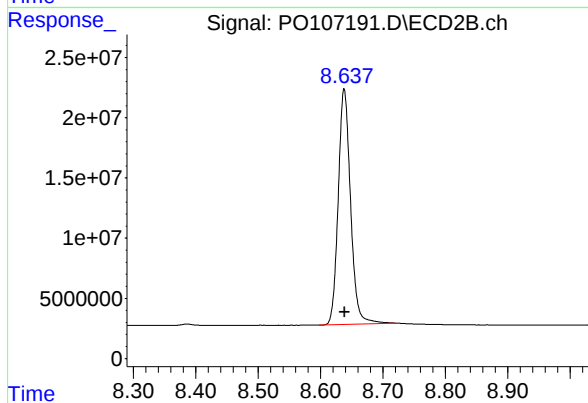
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 331572468
Conc: 99.24 ng/ml



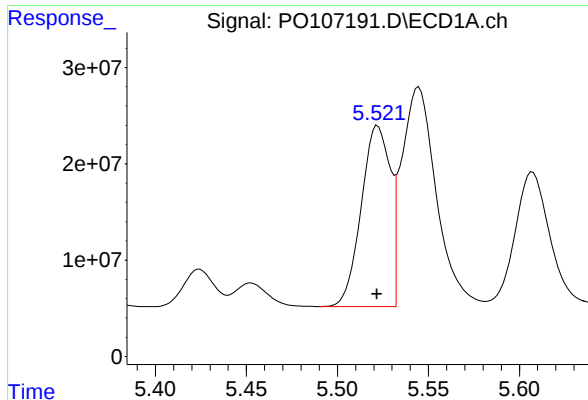
#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.003 min
Response: 233942035
Conc: 93.85 ng/ml



#2 Decachlorobiphenyl

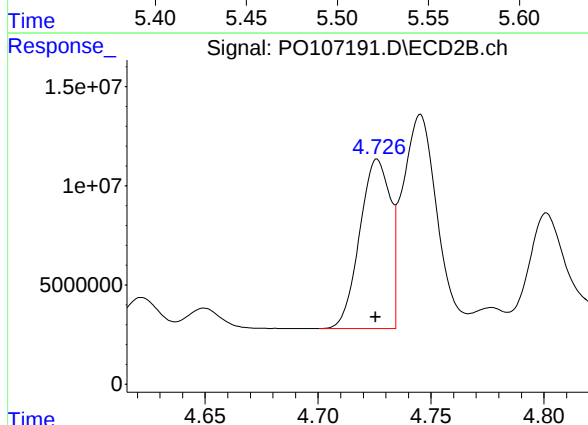
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 268698532
Conc: 97.20 ng/ml



#16 AR-1242-1

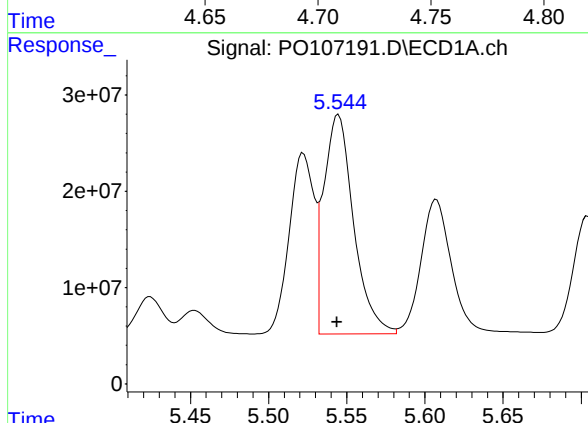
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 207947063
Conc: 935.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



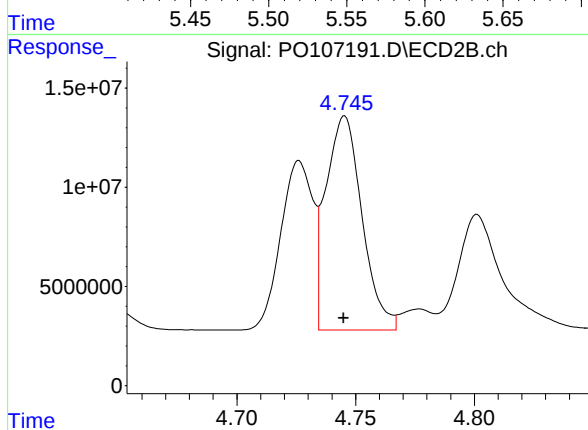
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 80390662
Conc: 957.74 ng/ml



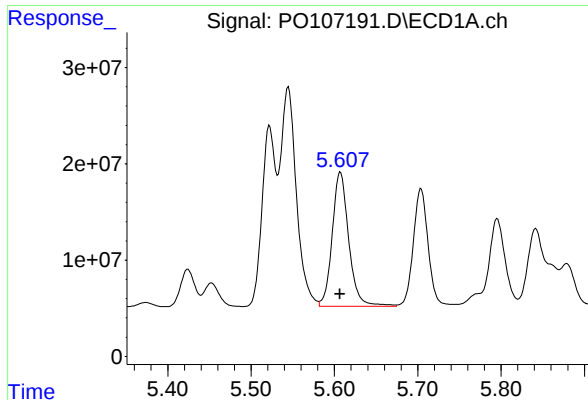
#17 AR-1242-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 302439626
Conc: 934.75 ng/ml



#17 AR-1242-2

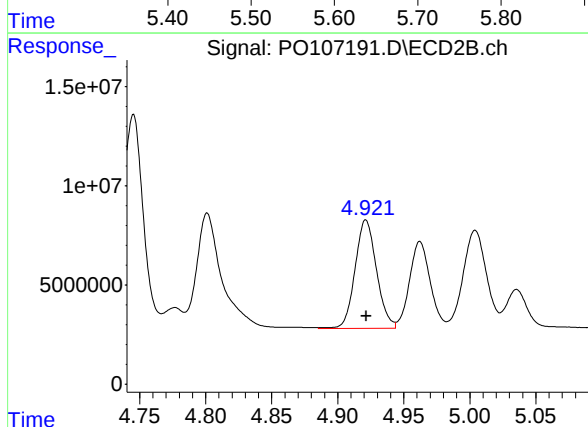
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 114487494
Conc: 972.36 ng/ml



#18 AR-1242-3

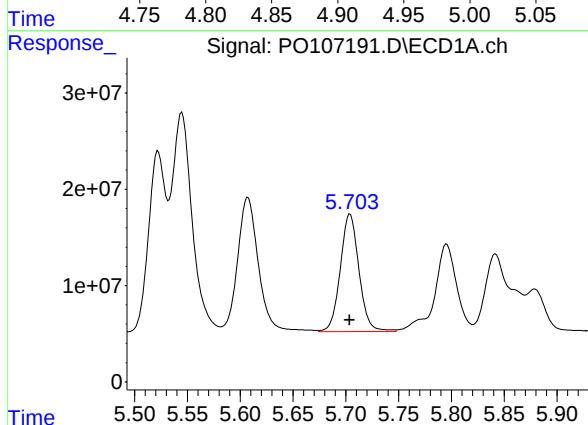
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 191912697
Conc: 915.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



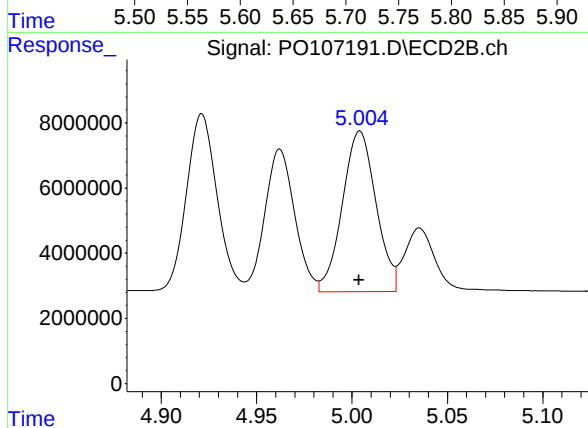
#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 61817452
Conc: 959.94 ng/ml



#19 AR-1242-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 150447174
Conc: 924.14 ng/ml



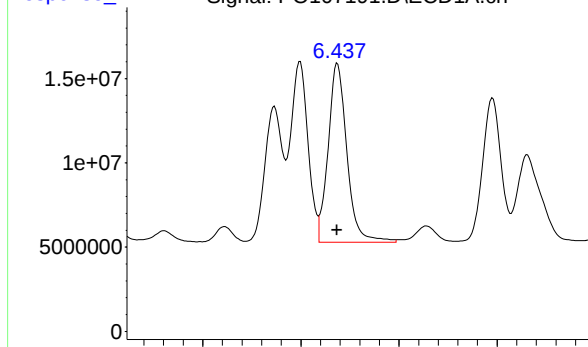
#19 AR-1242-4

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 60582529
Conc: 940.95 ng/ml

Response_

Signal: PO107191.D\ECD1A.ch

#20 AR-1242-5



R.T.: 6.437 min

Delta R.T.: 0.000 min

Response: 141009343

Conc: 917.50 ng/ml

Instrument :

ECD_O

ClientSampleId :

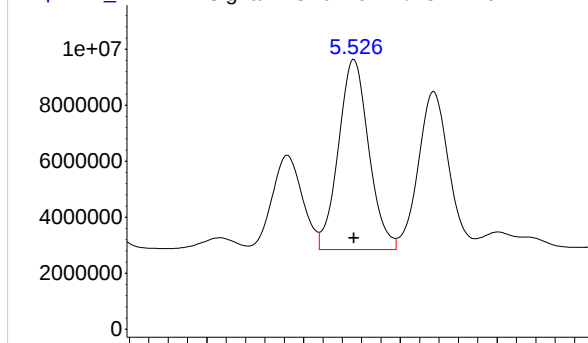
AR1242ICC1000

Time

Response_

Signal: PO107191.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.526 min

Delta R.T.: 0.000 min

Response: 73763103

Conc: 955.28 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107192.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 20:52
 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: Oct 16 01:49:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	648.9E6	243.1E6	70.941	72.772
2) SA Decachlor...	10.059	8.639	182.1E6	207.3E6	73.046	74.999
Target Compounds						
16) L4 AR-1242-1	5.521	4.726	154.2E6	60335620	693.850	718.814
17) L4 AR-1242-2	5.544	4.746	225.0E6	83449803	695.293	708.752
18) L4 AR-1242-3	5.606	4.922	144.9E6	45346429	691.114	704.170
19) L4 AR-1242-4	5.703	5.005	109.0E6	45477164	669.566	706.336
20) L4 AR-1242-5	6.437	5.526	107.6E6	56756574	699.831	735.037

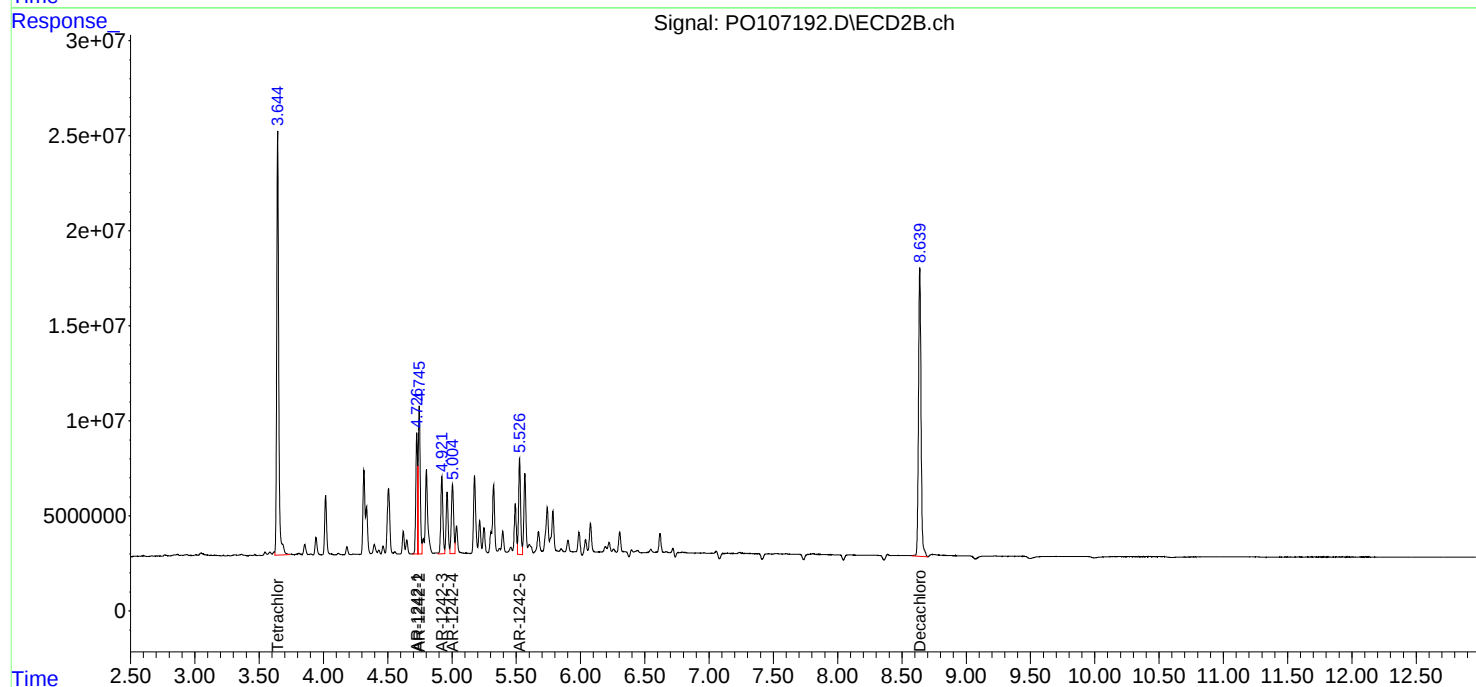
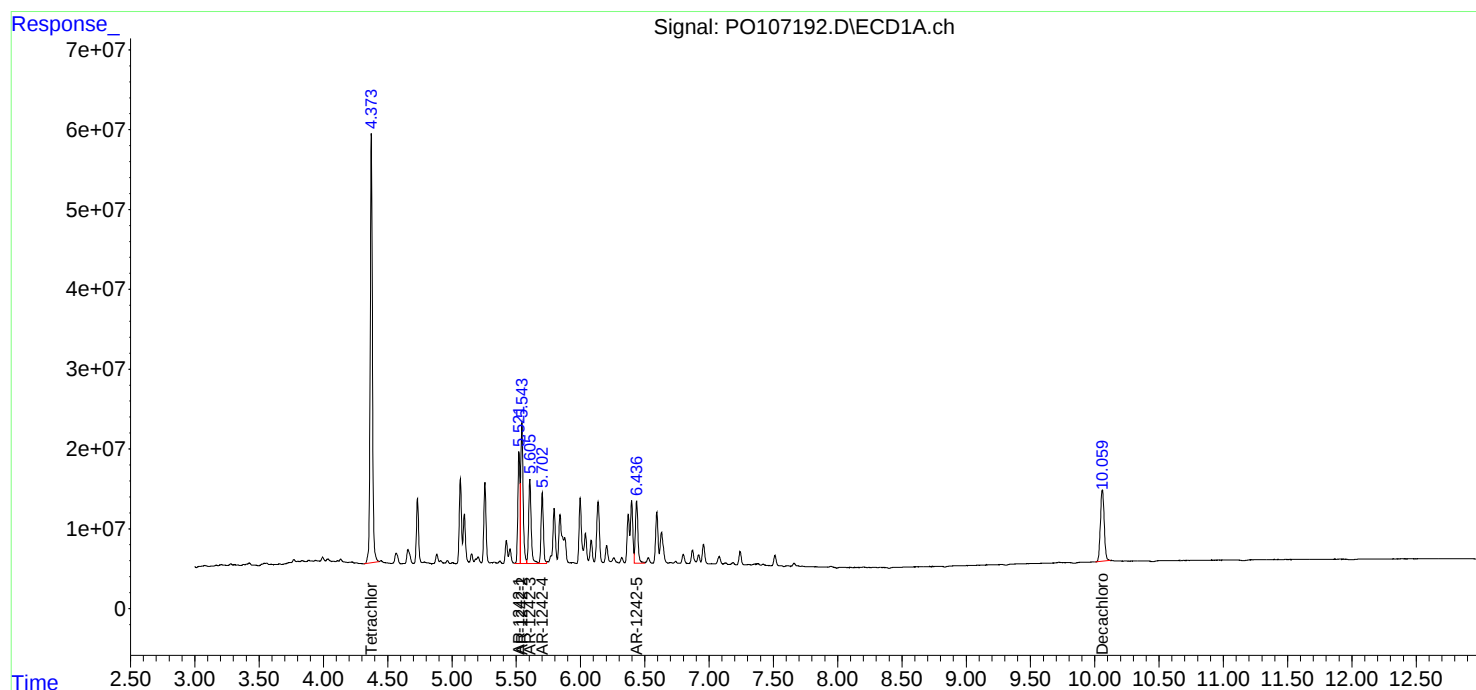
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

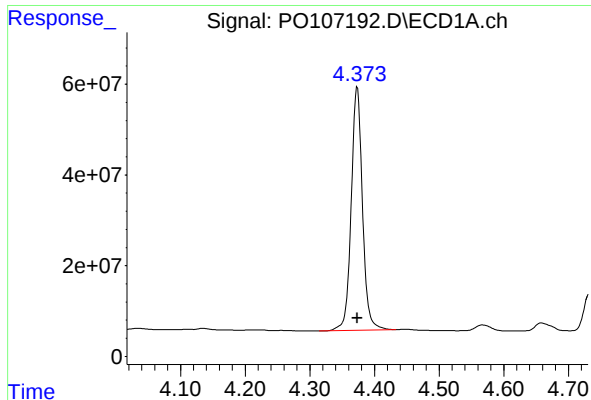
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : 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

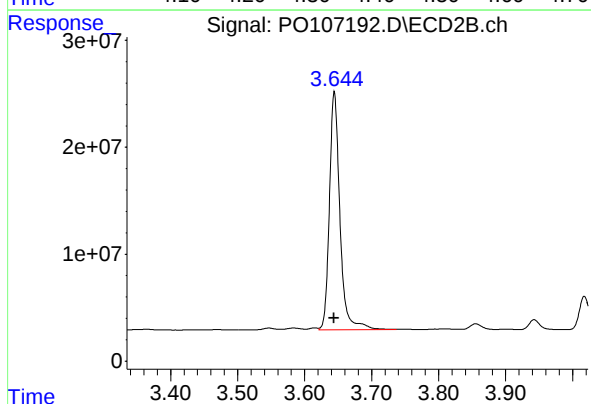




#1 Tetrachloro-m-xylene

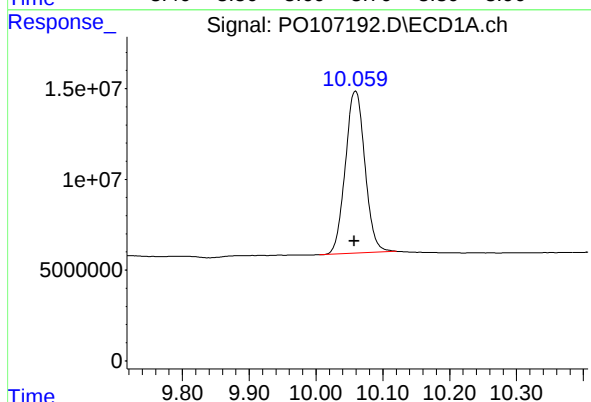
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 648880776
Conc: 70.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242IC750



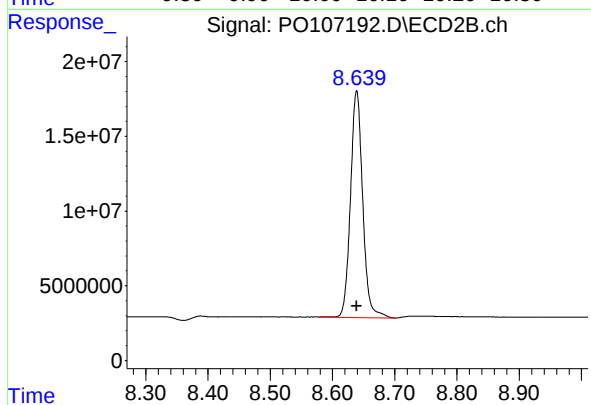
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 243146149
Conc: 72.77 ng/ml



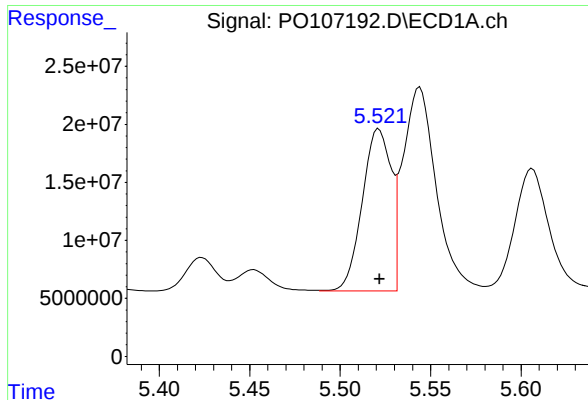
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.002 min
Response: 182080715
Conc: 73.05 ng/ml



#2 Decachlorobiphenyl

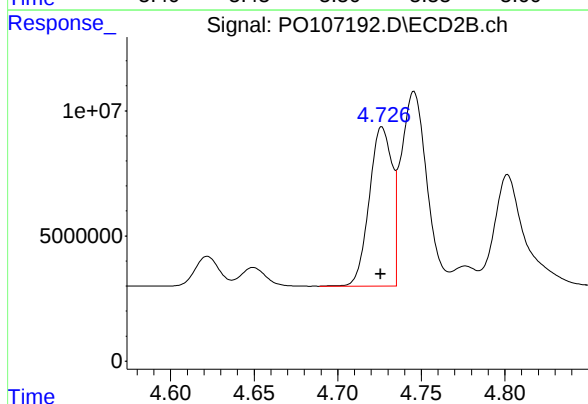
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 207331371
Conc: 75.00 ng/ml



#16 AR-1242-1

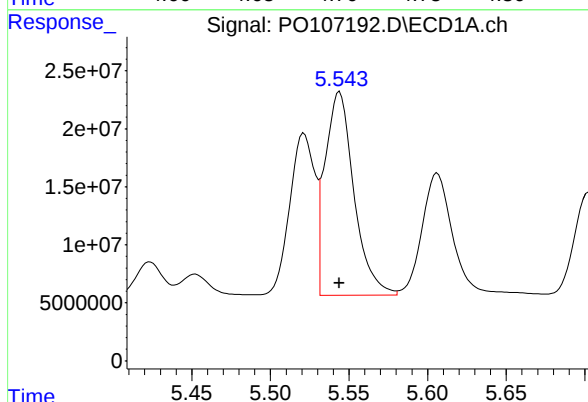
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 154179687
Conc: 693.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



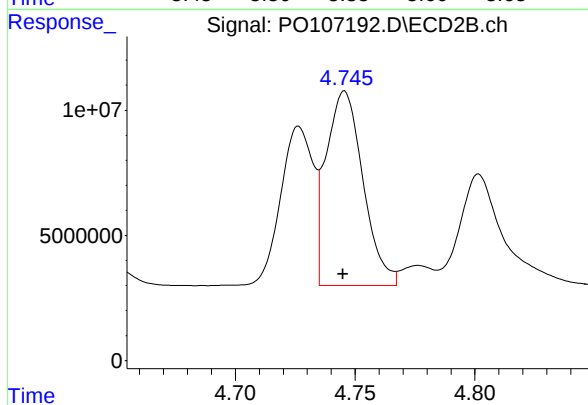
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 60335620
Conc: 718.81 ng/ml



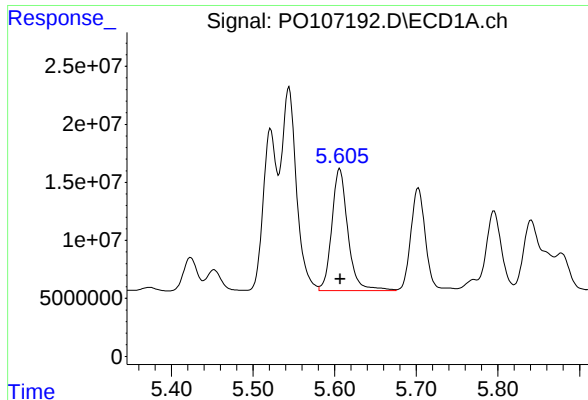
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 224962212
Conc: 695.29 ng/ml



#17 AR-1242-2

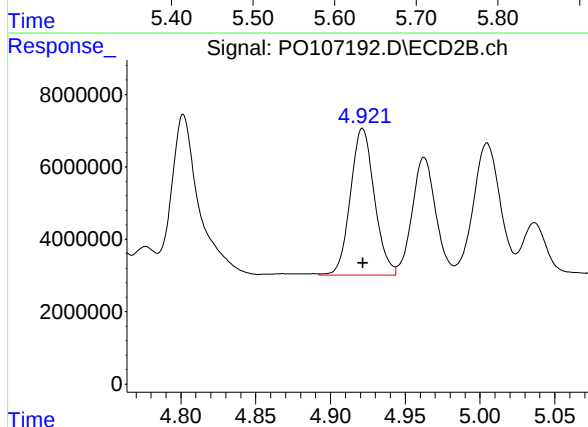
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 83449803
Conc: 708.75 ng/ml



#18 AR-1242-3

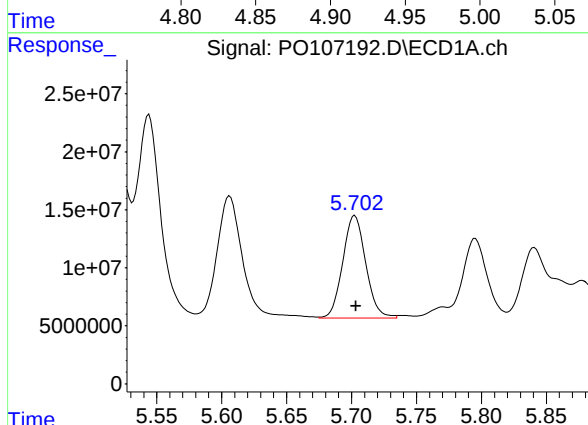
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 144883820
Conc: 691.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



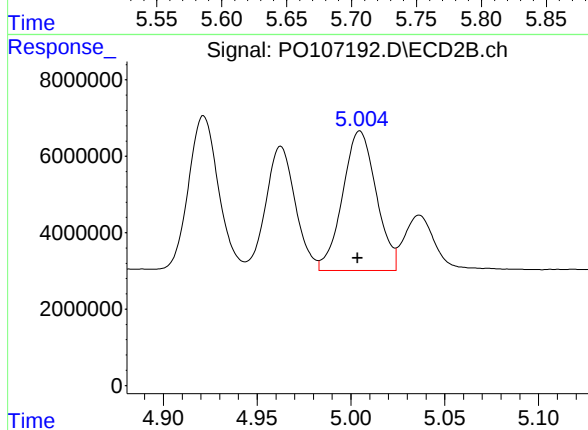
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 45346429
Conc: 704.17 ng/ml



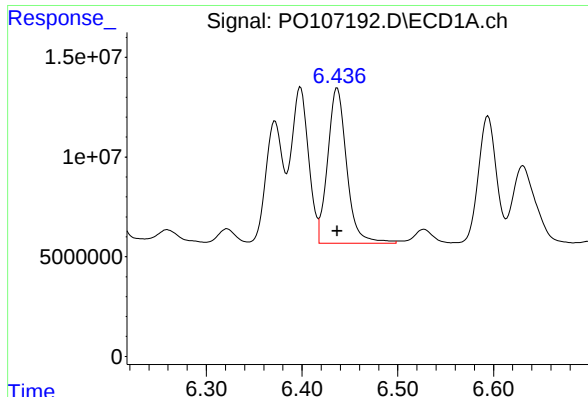
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 109003647
Conc: 669.57 ng/ml



#19 AR-1242-4

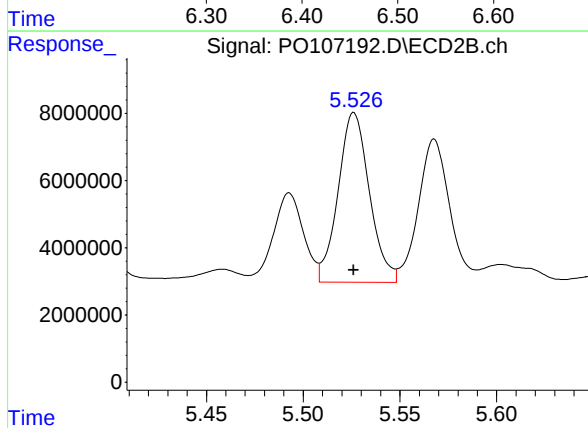
R.T.: 5.005 min
Delta R.T.: 0.001 min
Response: 45477164
Conc: 706.34 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 107556327
Conc: 699.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 56756574
Conc: 735.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107193.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 21:10
 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: Oct 16 01:50:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	457.3E6	167.1E6	50.000	50.000
2) SA Decachlor...	10.057	8.639	124.6E6	138.2E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.522	4.726	111.1E6	41968881	500.000	500.000
17) L4 AR-1242-2	5.544	4.745	161.8E6	58870958	500.000	500.000
18) L4 AR-1242-3	5.607	4.922	104.8E6	32198496	500.000	500.000
19) L4 AR-1242-4	5.703	5.004	81398754	32192297	500.000	500.000
20) L4 AR-1242-5	6.437	5.526	76844549	38607958	500.000	500.000

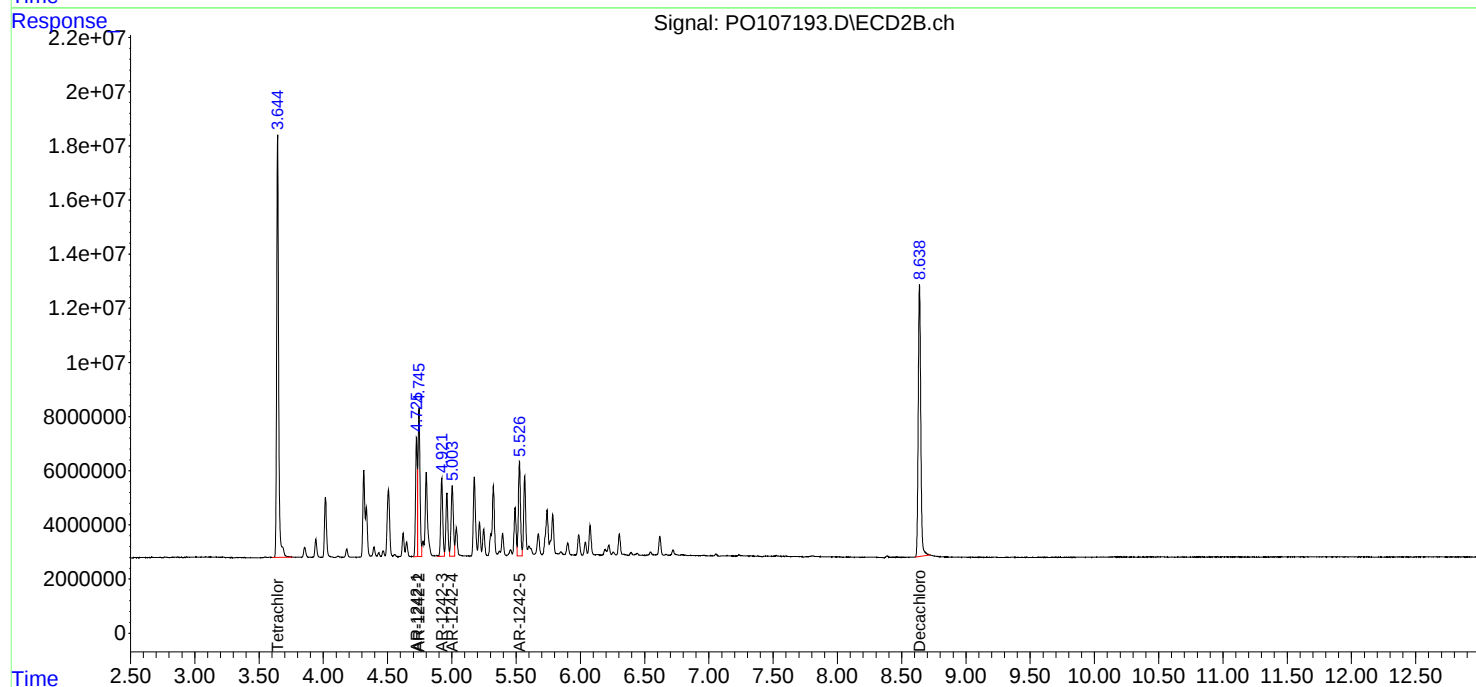
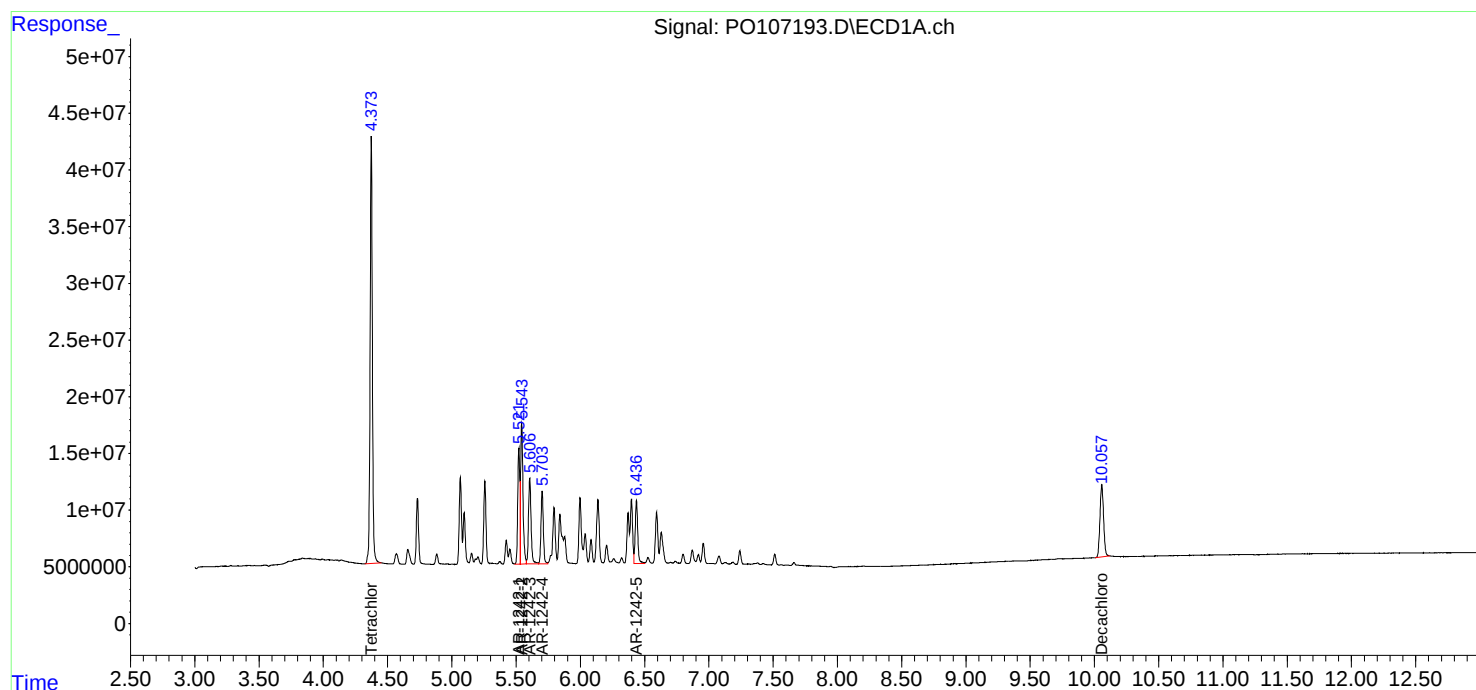
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

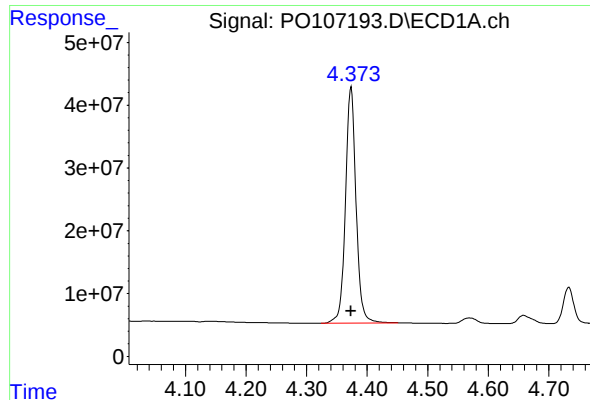
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

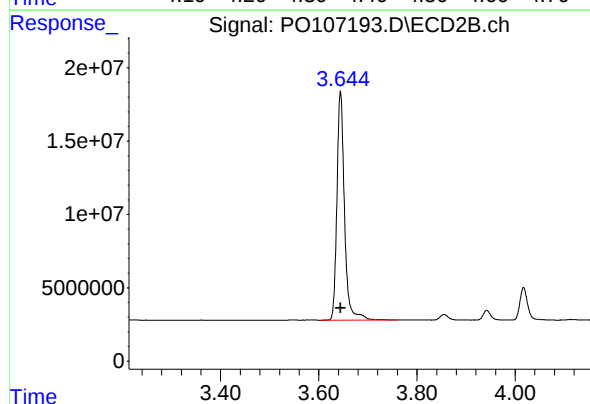




#1 Tetrachloro-m-xylene

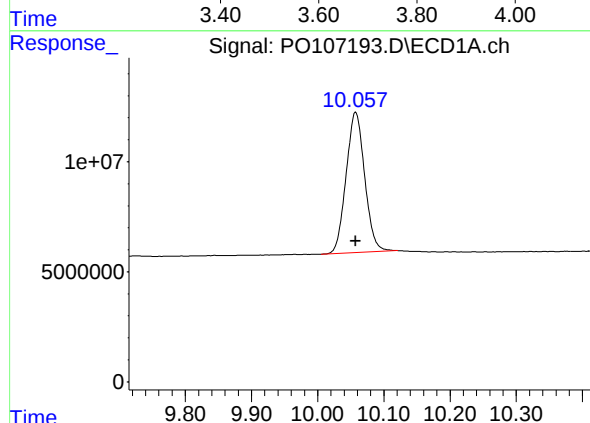
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 457339208
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



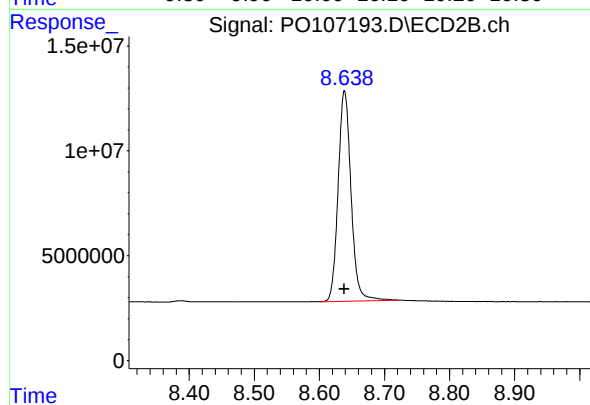
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 167059902
Conc: 50.00 ng/ml



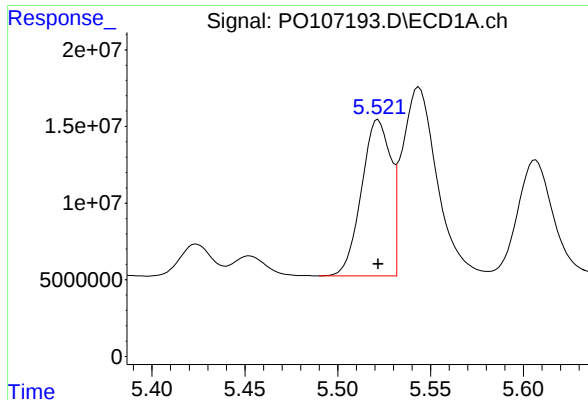
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 124635042
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

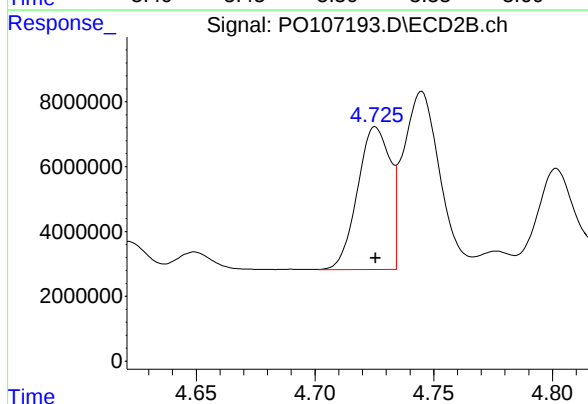
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 138221839
Conc: 50.00 ng/ml



#16 AR-1242-1

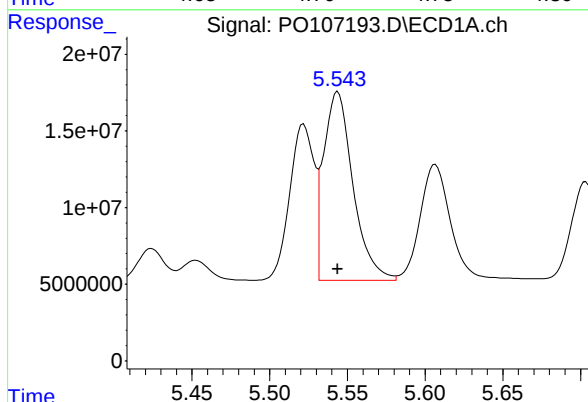
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 111104404
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



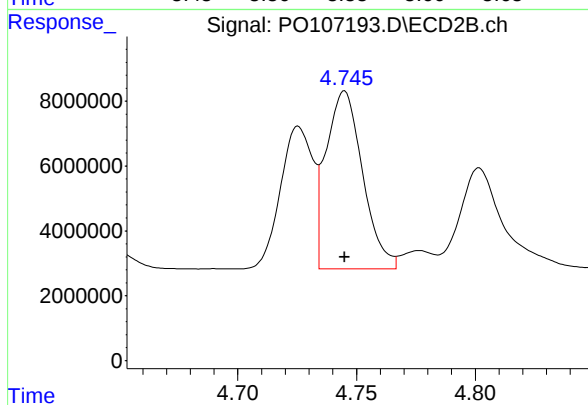
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 41968881
Conc: 500.00 ng/ml



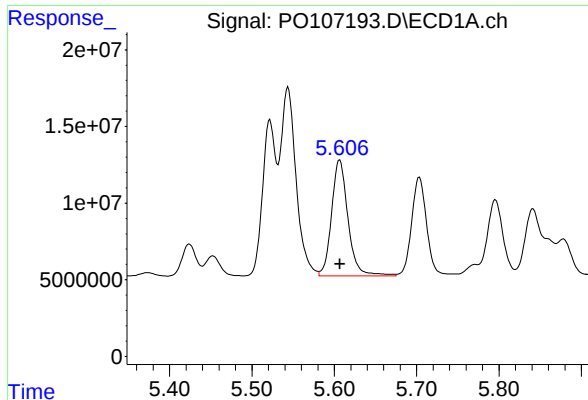
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 161775206
Conc: 500.00 ng/ml



#17 AR-1242-2

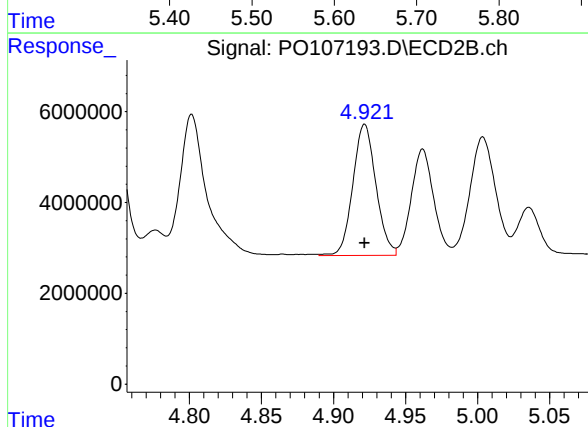
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 58870958
Conc: 500.00 ng/ml



#18 AR-1242-3

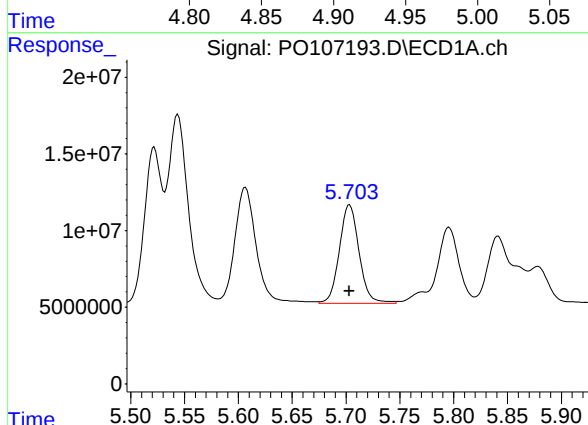
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 104819076
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



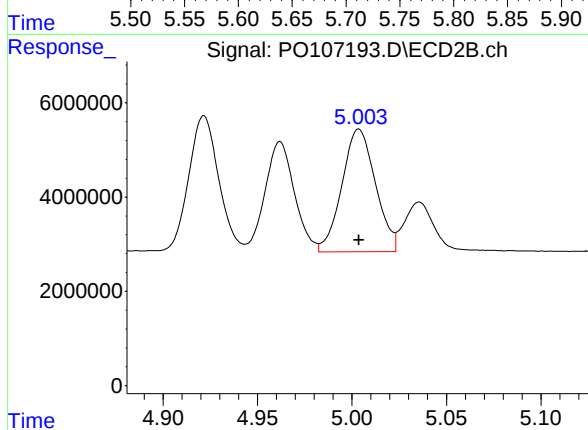
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 32198496
Conc: 500.00 ng/ml



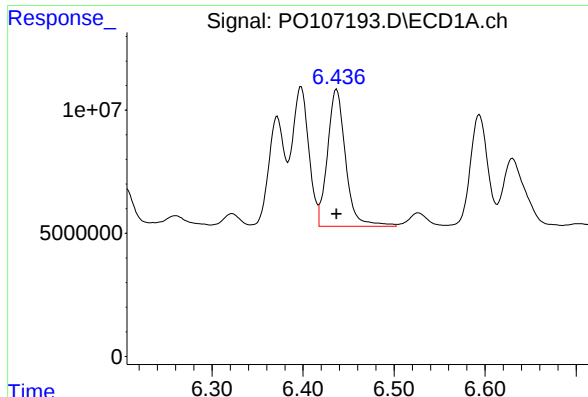
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 81398754
Conc: 500.00 ng/ml



#19 AR-1242-4

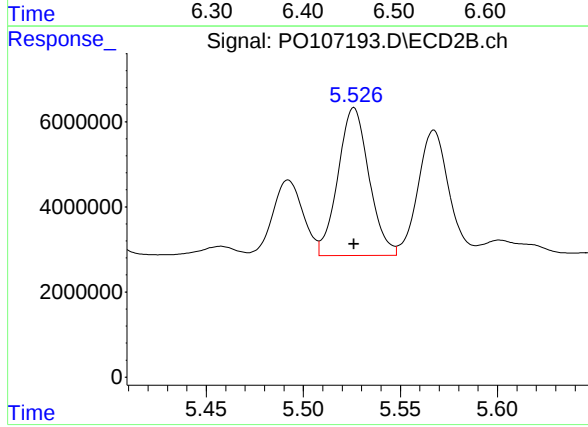
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 32192297
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 76844549
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 38607958
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107194.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 21:28
 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: Oct 16 01:50:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	237.6E6	83389360	25.977	24.958
2) SA Decachlor...	10.057	8.639	63795685	69963548	25.593	25.308
Target Compounds						
16) L4 AR-1242-1	5.522	4.727	59739114	21816724	268.842	259.915
17) L4 AR-1242-2	5.544	4.746	85701102	30166778	264.877	256.211
18) L4 AR-1242-3	5.607	4.922	56076682	16716467	267.493	259.585
19) L4 AR-1242-4	5.703	5.005	43283991	17011315	265.876	264.214
20) L4 AR-1242-5	6.437	5.526	41155754	20184132	267.786	261.399

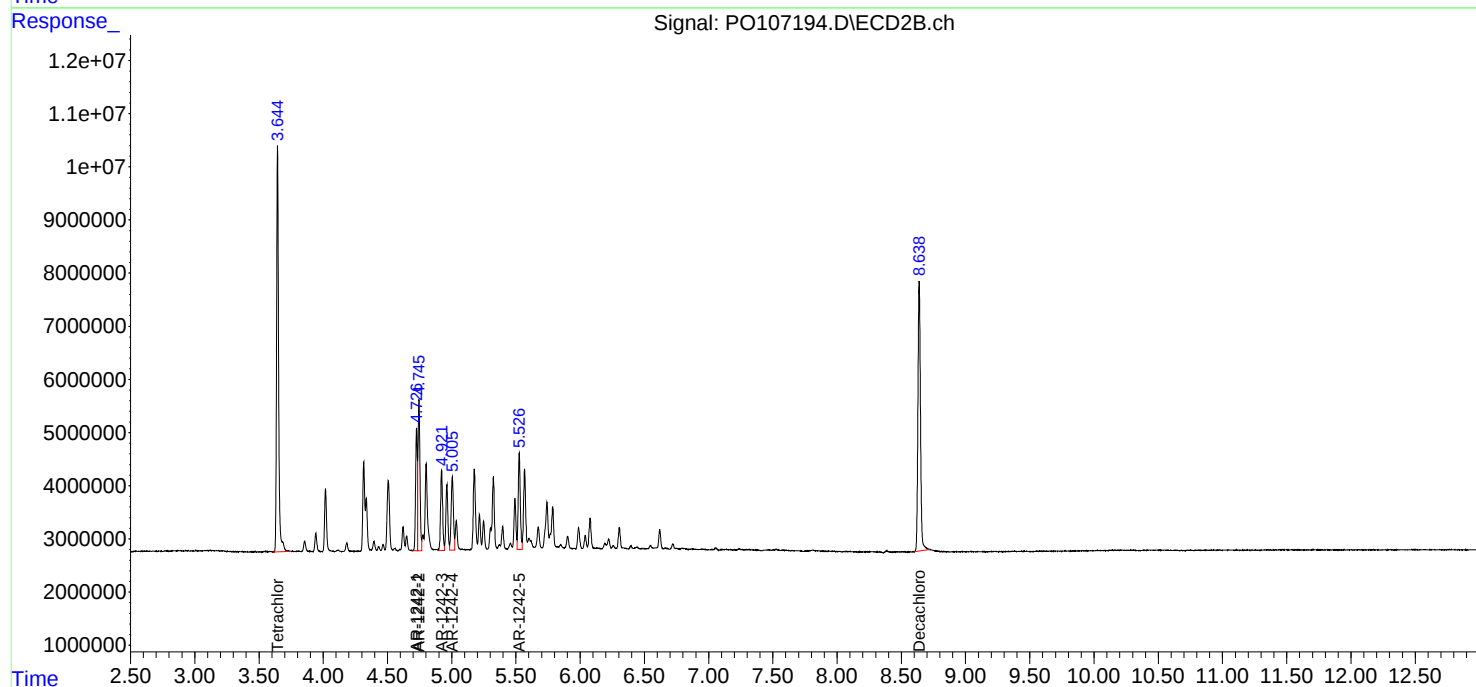
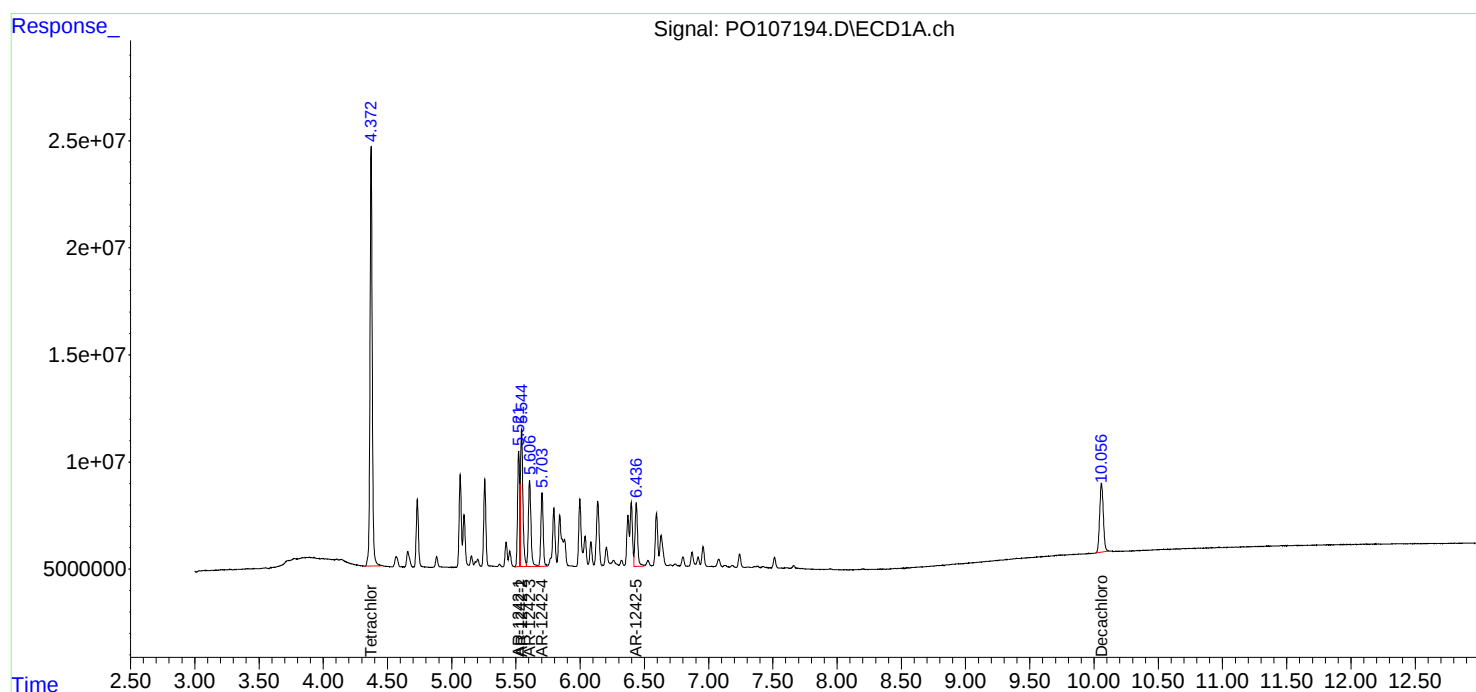
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

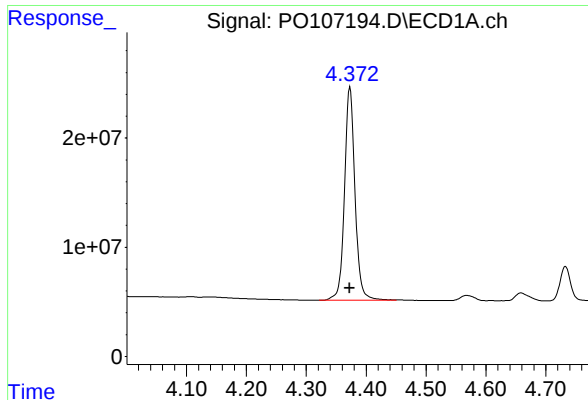
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : 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

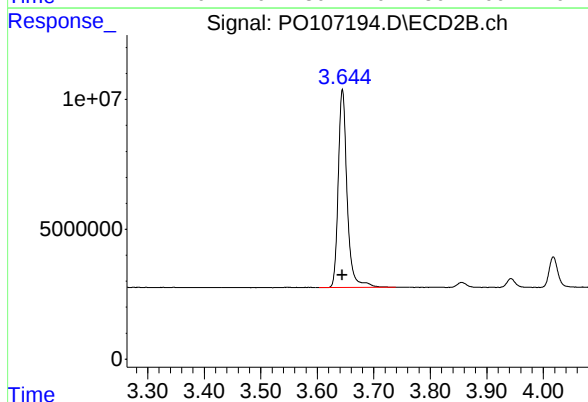




#1 Tetrachloro-m-xylene

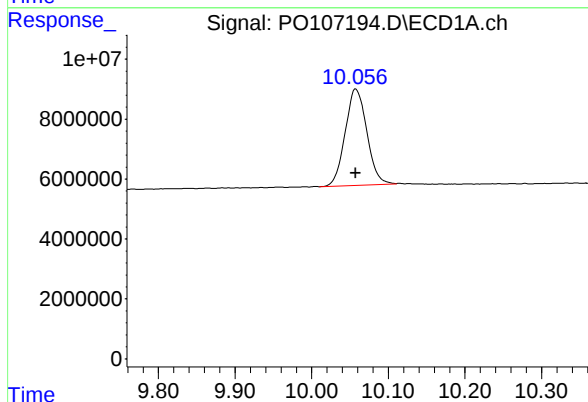
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237601886
Conc: 25.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



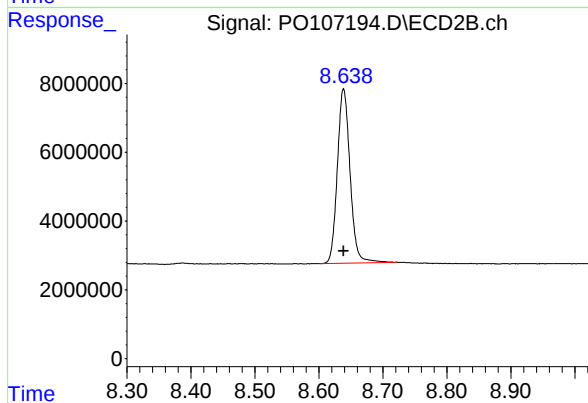
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 83389360
Conc: 24.96 ng/ml



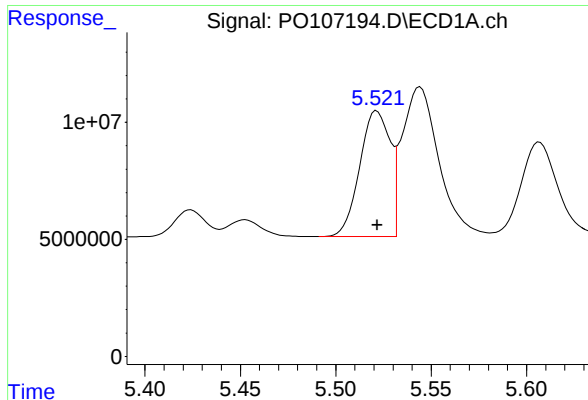
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 63795685
Conc: 25.59 ng/ml



#2 Decachlorobiphenyl

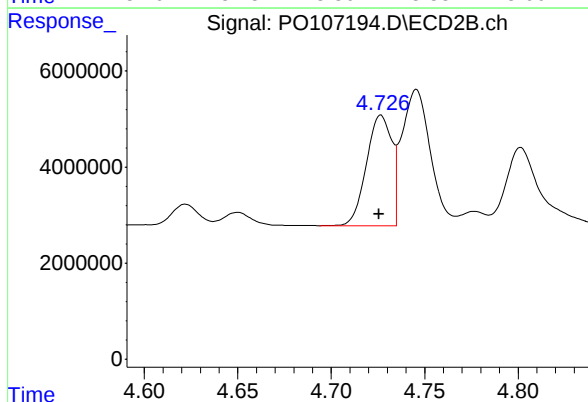
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 69963548
Conc: 25.31 ng/ml



#16 AR-1242-1

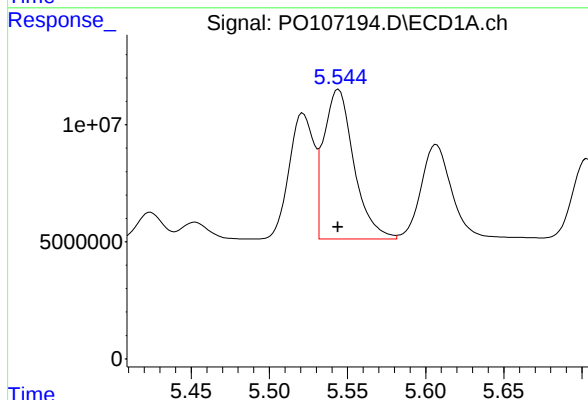
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 59739114
Conc: 268.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



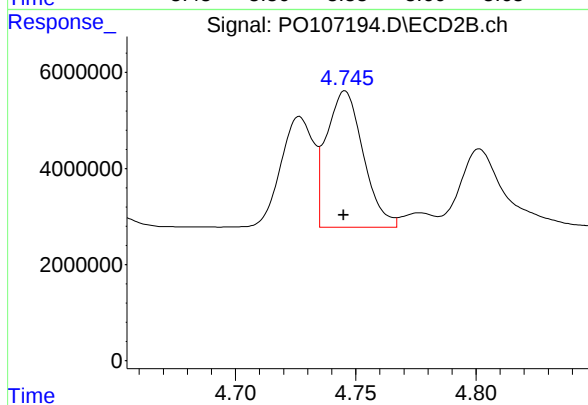
#16 AR-1242-1

R.T.: 4.727 min
Delta R.T.: 0.001 min
Response: 21816724
Conc: 259.92 ng/ml



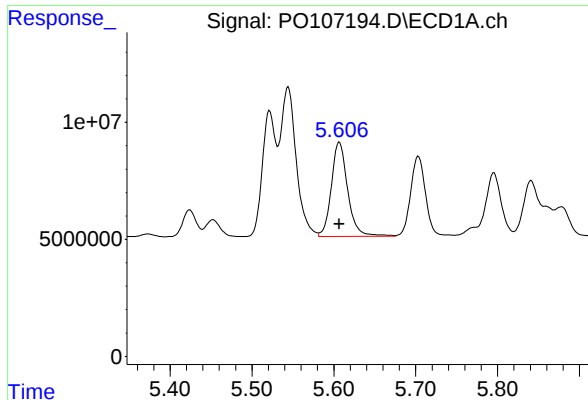
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 85701102
Conc: 264.88 ng/ml



#17 AR-1242-2

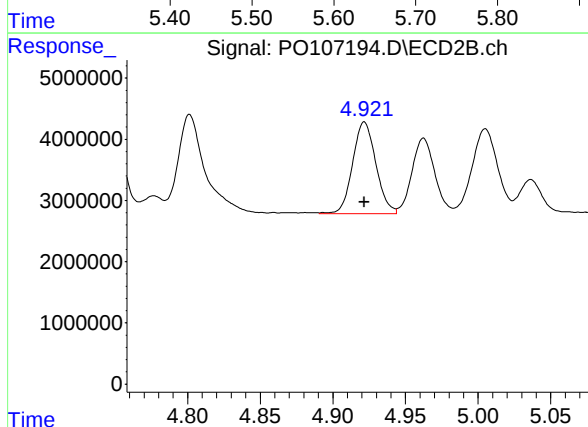
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 30166778
Conc: 256.21 ng/ml



#18 AR-1242-3

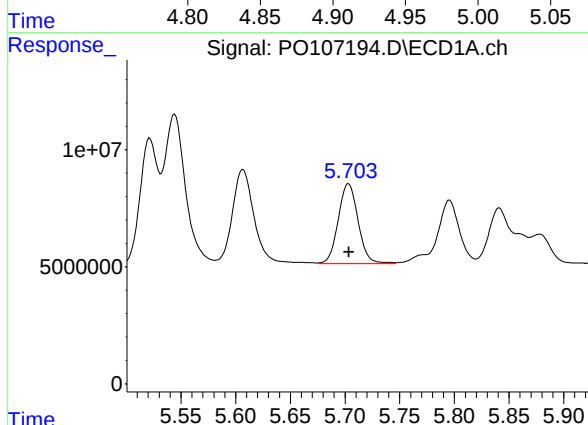
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 56076682
Conc: 267.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



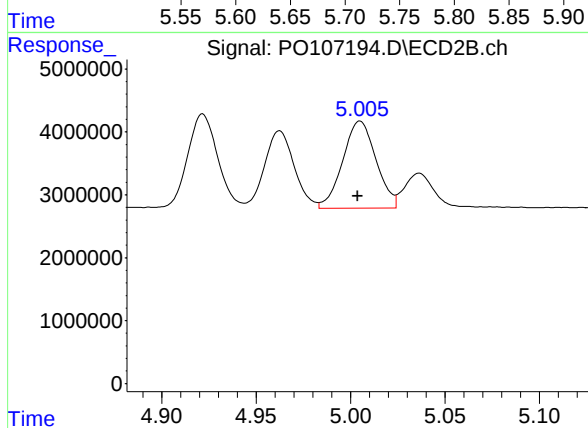
#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 16716467
Conc: 259.58 ng/ml



#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 43283991
Conc: 265.88 ng/ml



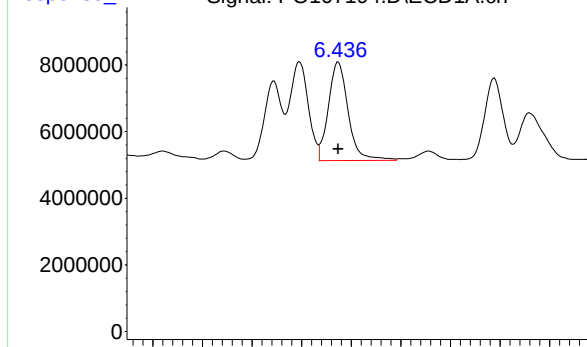
#19 AR-1242-4

R.T.: 5.005 min
Delta R.T.: 0.001 min
Response: 17011315
Conc: 264.21 ng/ml

Response_

Signal: PO107194.D\ECD1A.ch

#20 AR-1242-5



R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 41155754
Conc: 267.79 ng/ml

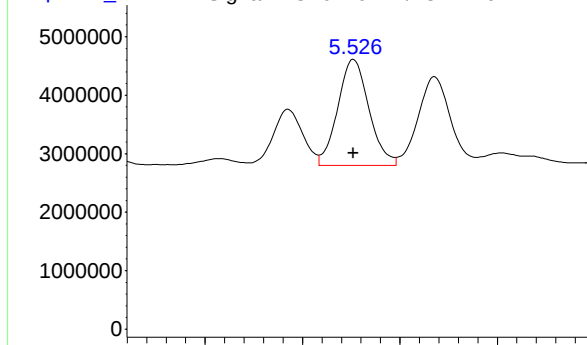
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Time

Response_

Signal: PO107194.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 20184132
Conc: 261.40 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107195.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 21:46
 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: Oct 16 01:51:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	45874144	14600377	5.015	4.370
2) SA Decachlor...	10.055	8.638	12132051	13326327	4.867	4.821
Target Compounds						
16) L4 AR-1242-1	5.521	4.726	12176144	4333712	54.796	51.630
17) L4 AR-1242-2	5.544	4.745	17442944	5701582	53.911	48.424
18) L4 AR-1242-3	5.606	4.921	11292382	3181204	53.866	49.400
19) L4 AR-1242-4	5.703	5.004	8415437	3329911	51.693	51.719
20) L4 AR-1242-5	6.437	5.526	8983989	4011331	58.456	51.950

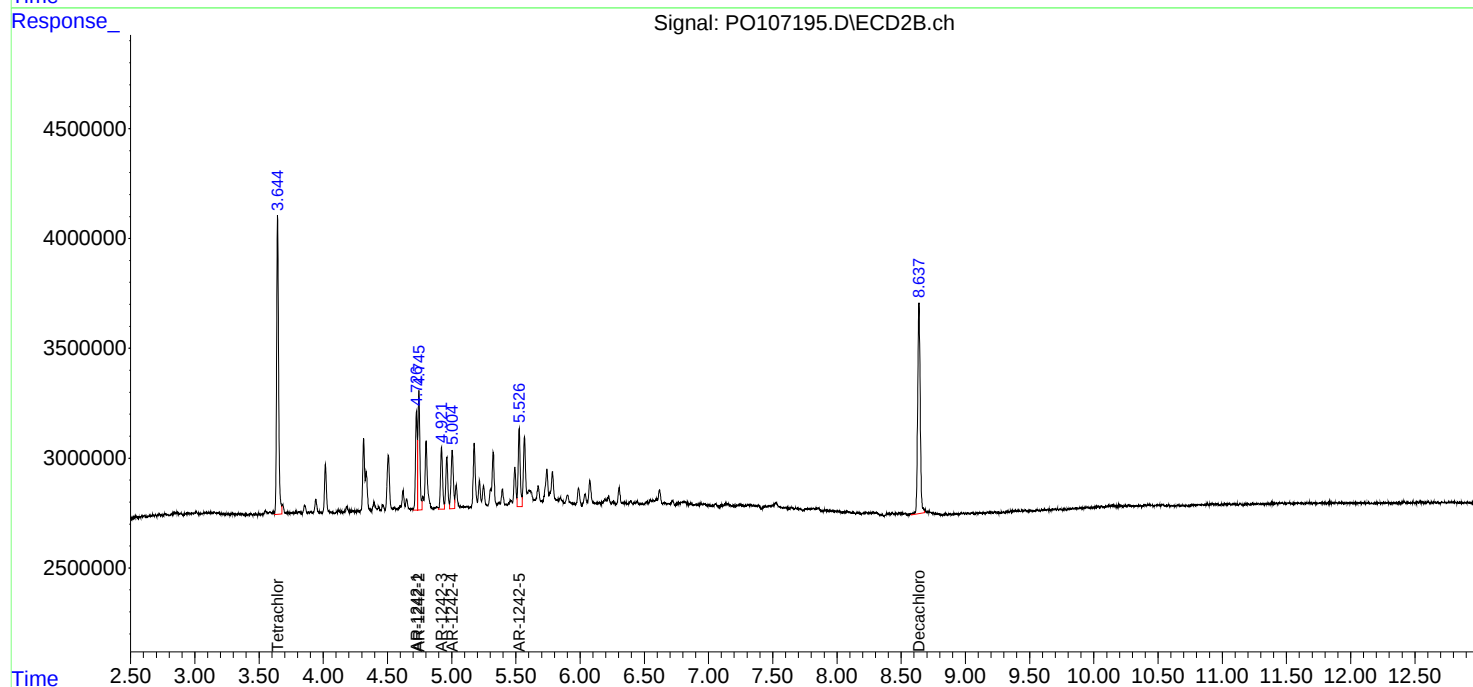
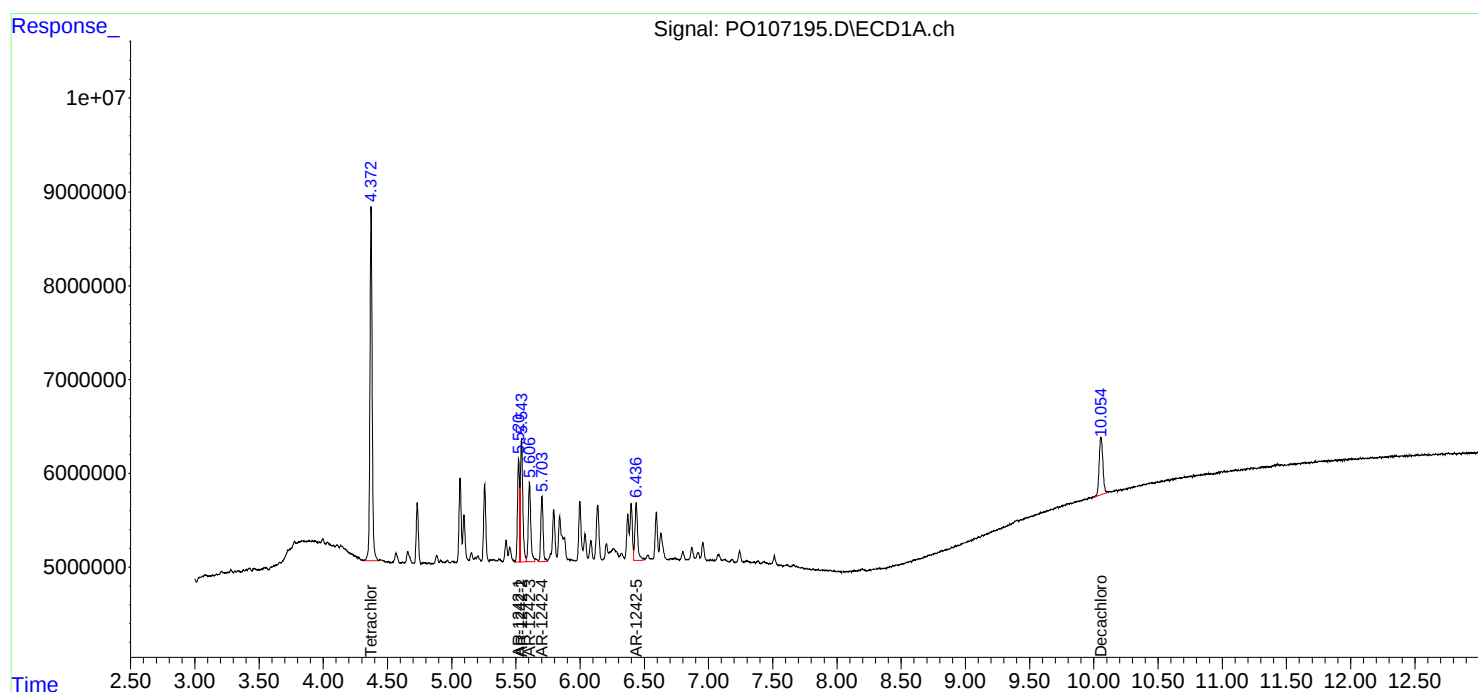
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

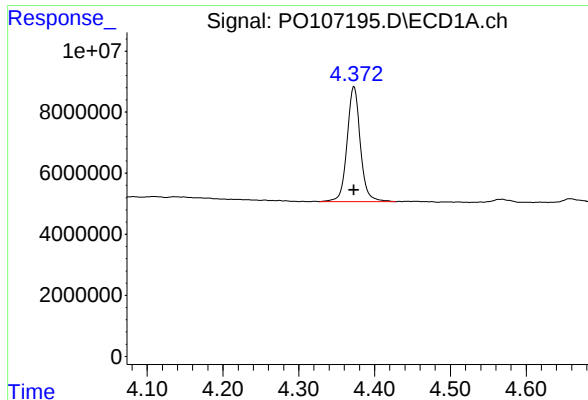
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : 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

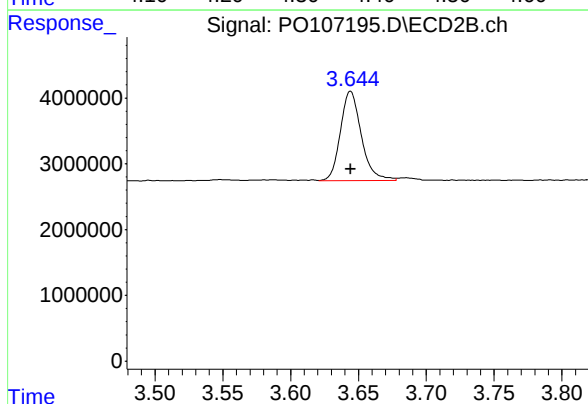




#1 Tetrachloro-m-xylene

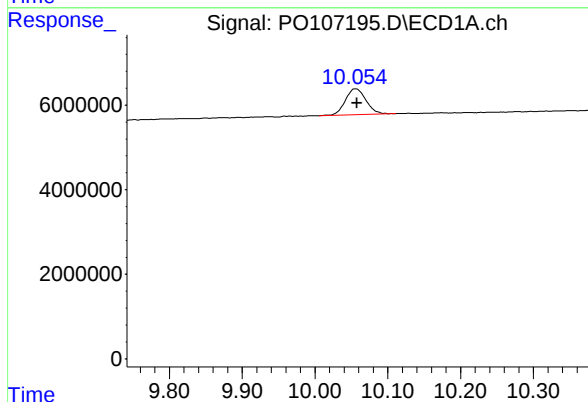
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 45874144
Conc: 5.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



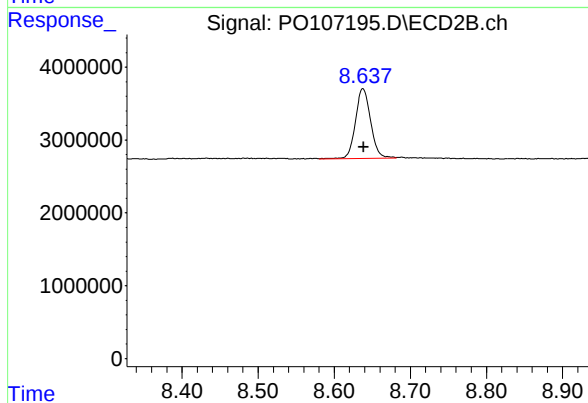
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14600377
Conc: 4.37 ng/ml



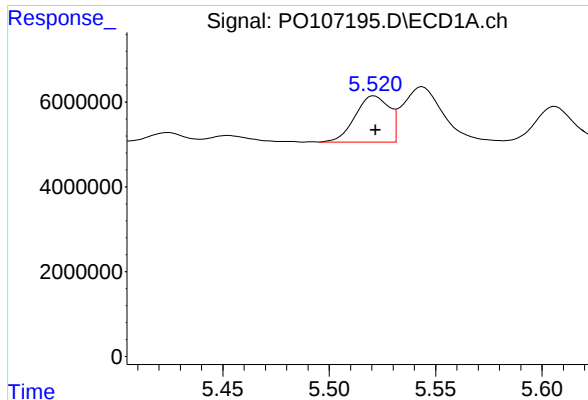
#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.002 min
Response: 12132051
Conc: 4.87 ng/ml



#2 Decachlorobiphenyl

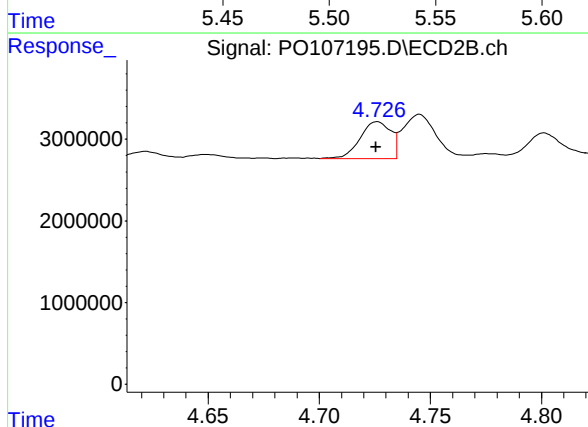
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 13326327
Conc: 4.82 ng/ml



#16 AR-1242-1

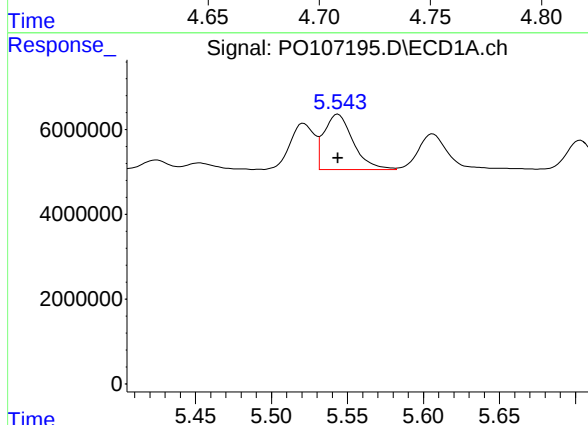
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 12176144
Conc: 54.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



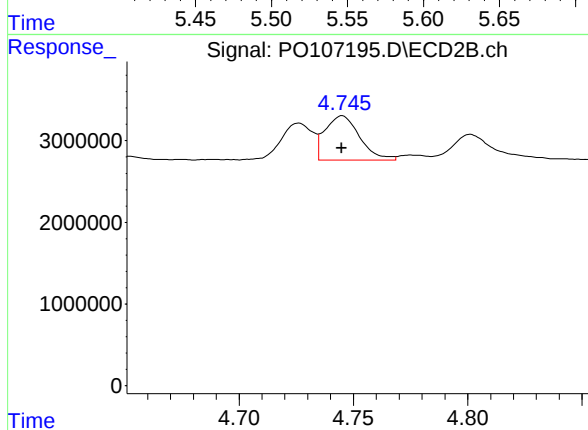
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 4333712
Conc: 51.63 ng/ml



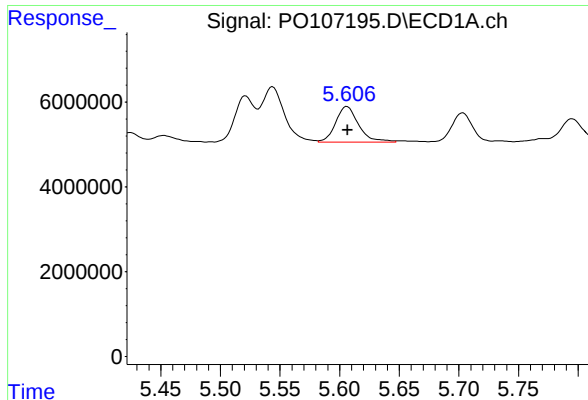
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 17442944
Conc: 53.91 ng/ml



#17 AR-1242-2

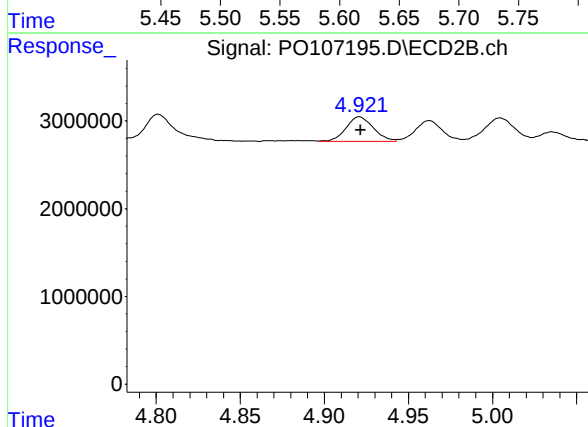
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 5701582
Conc: 48.42 ng/ml



#18 AR-1242-3

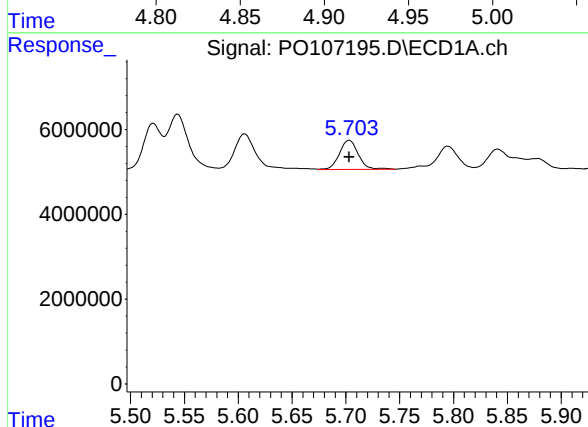
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 11292382
Conc: 53.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



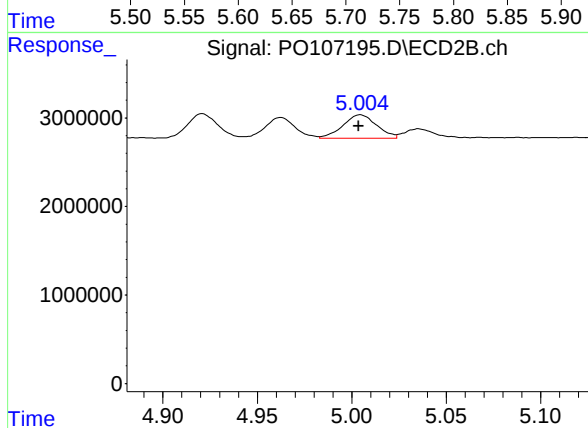
#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 3181204
Conc: 49.40 ng/ml



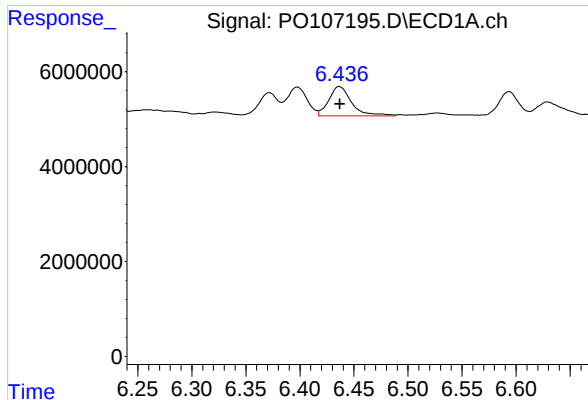
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 8415437
Conc: 51.69 ng/ml



#19 AR-1242-4

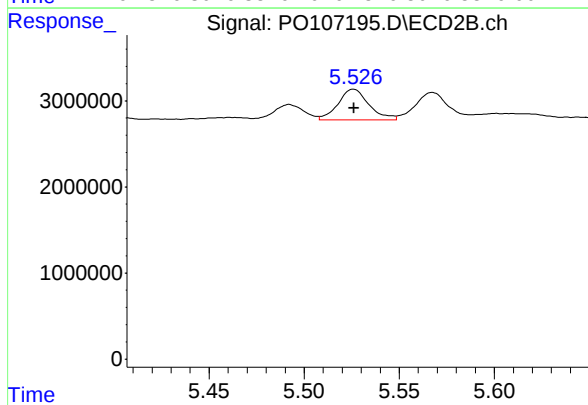
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 3329911
Conc: 51.72 ng/ml



#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 8983989
Conc: 58.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 4011331
Conc: 51.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107196.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:04
 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: Oct 16 02:08:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	871.9E6	327.8E6	93.167	95.697
2) SA Decachlor...	10.057	8.638	234.0E6	266.9E6	93.438	95.612
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	155.9E6	60218805	889.958	928.169
22) L5 AR-1248-2	5.795	4.962	222.8E6	85173308	878.597	915.232
23) L5 AR-1248-3	5.997	5.004	231.9E6	89257070	892.951	916.605
24) L5 AR-1248-4	6.398	5.176	237.2E6	105.9E6	910.480	923.092
25) L5 AR-1248-5	6.437	5.567	236.3E6	102.8E6	906.188	936.492

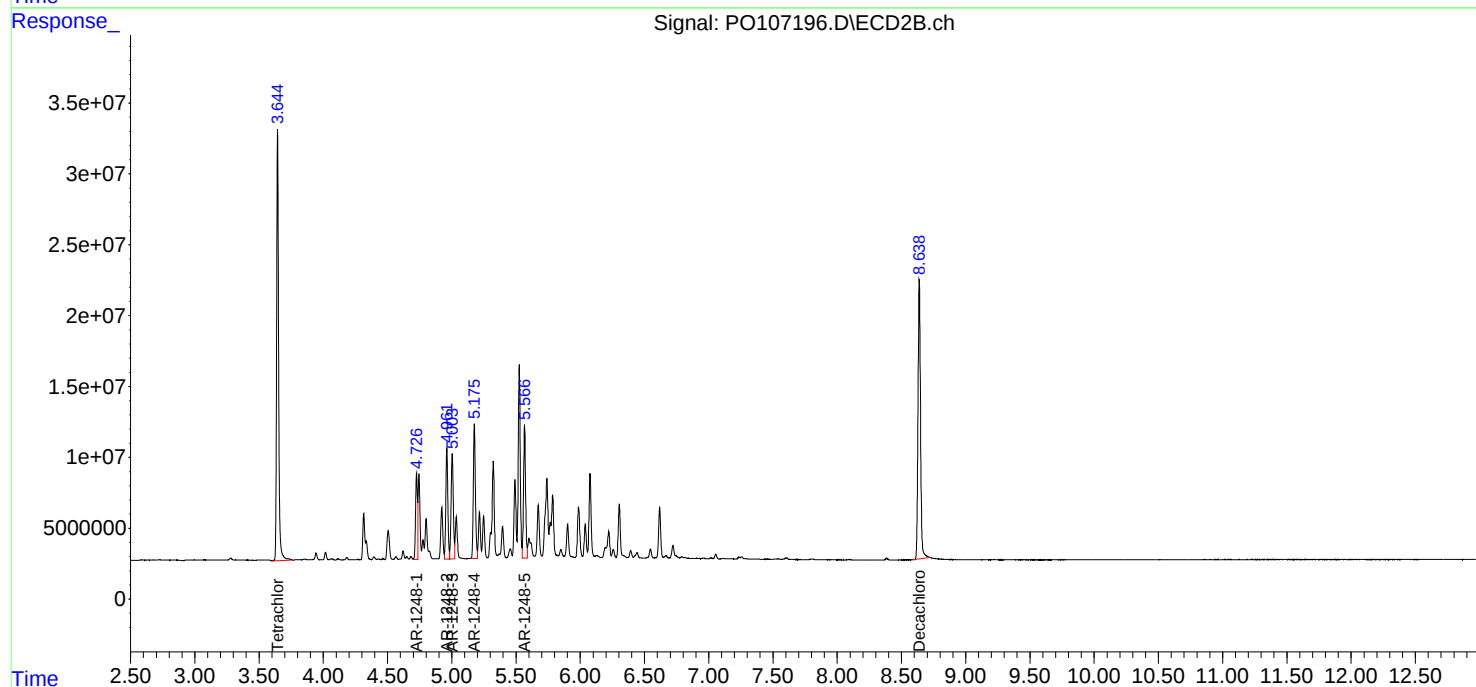
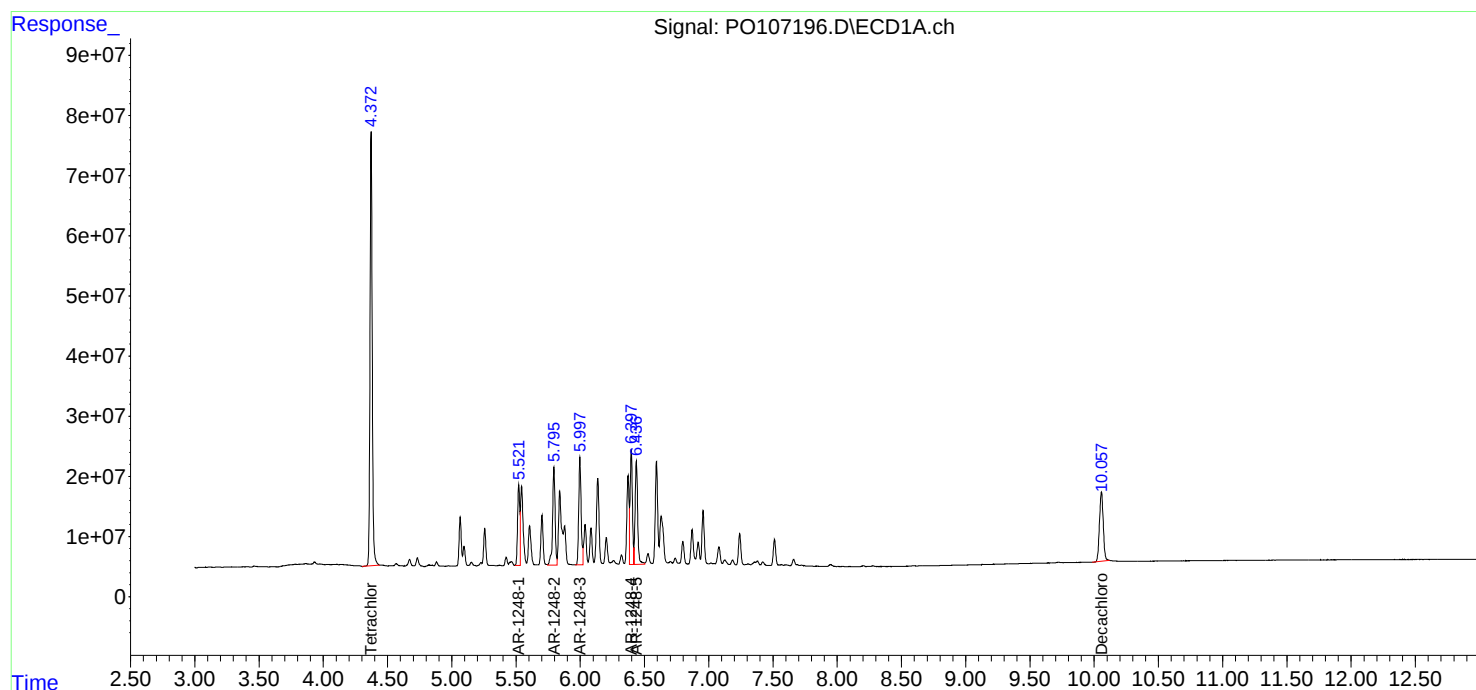
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

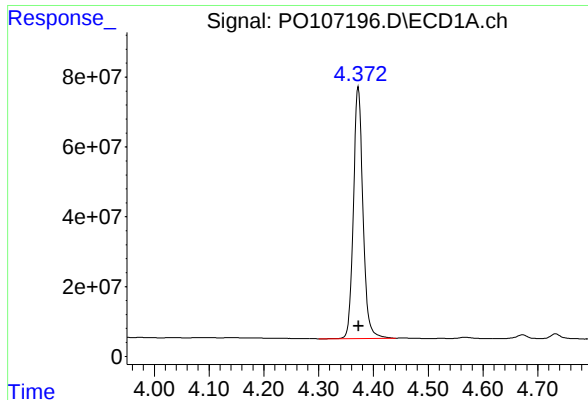
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

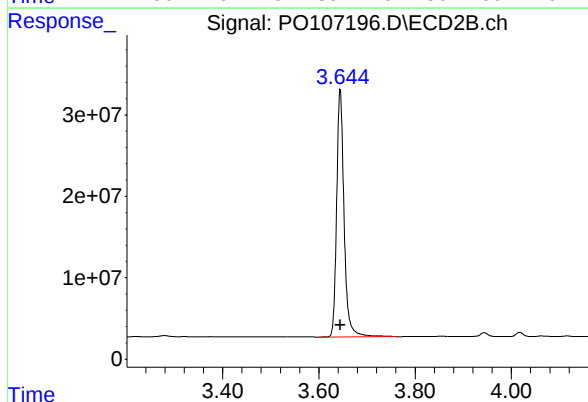




#1 Tetrachloro-m-xylene

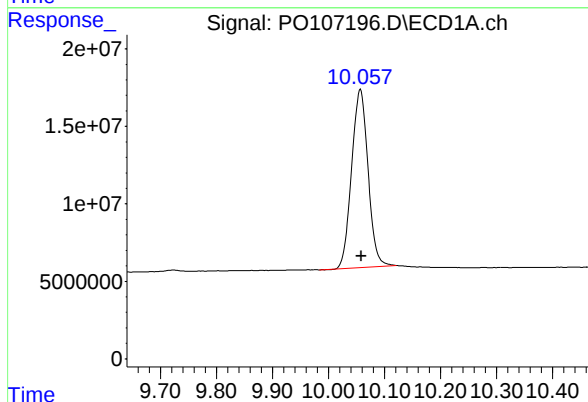
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 871940361
Conc: 93.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



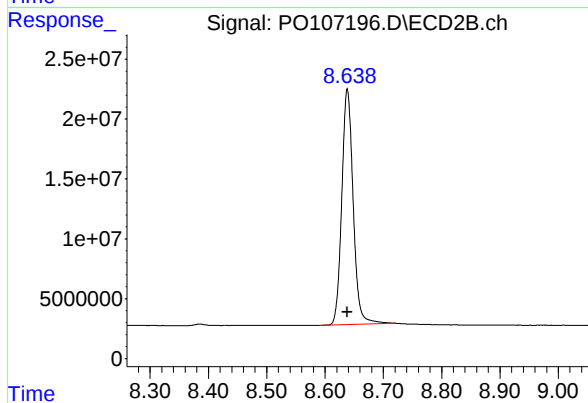
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 327841760
Conc: 95.70 ng/ml



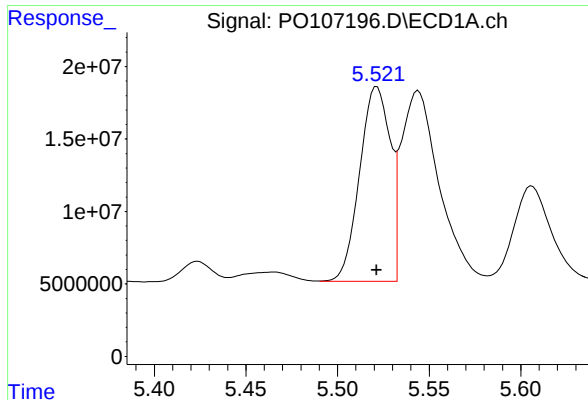
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 233978058
Conc: 93.44 ng/ml



#2 Decachlorobiphenyl

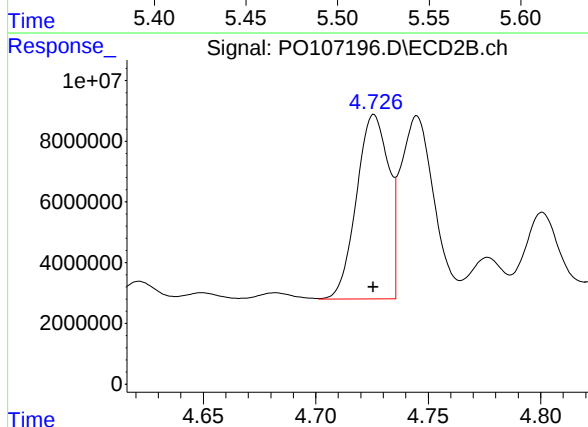
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 266936581
Conc: 95.61 ng/ml



#21 AR-1248-1

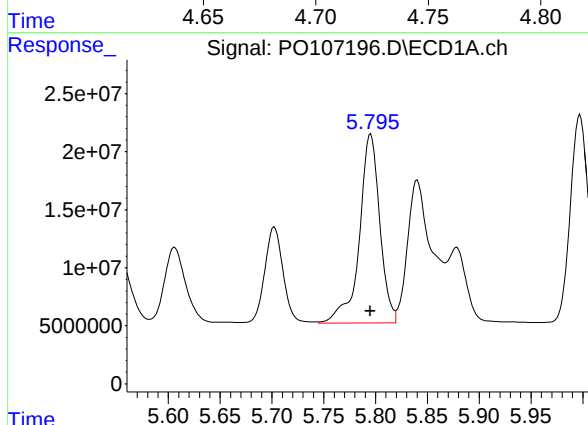
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 155913014
Conc: 889.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



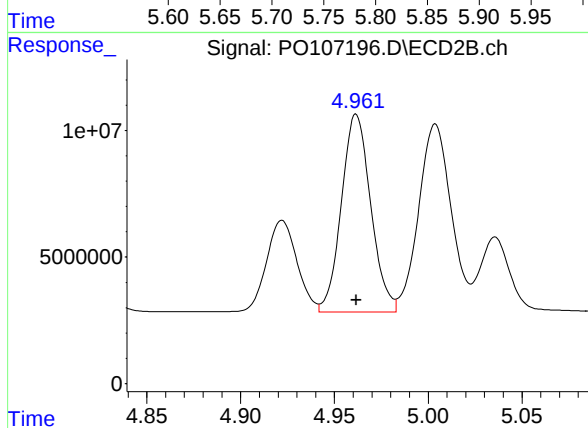
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 60218805
Conc: 928.17 ng/ml



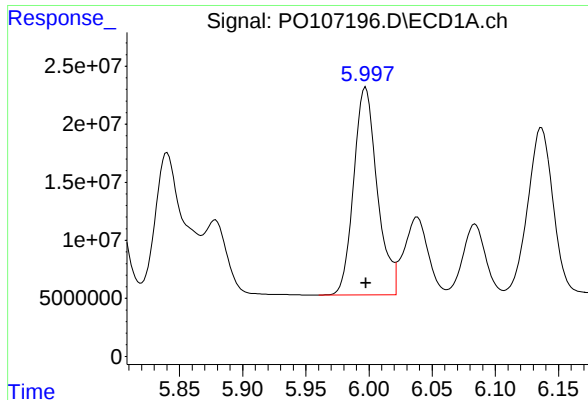
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 222845576
Conc: 878.60 ng/ml



#22 AR-1248-2

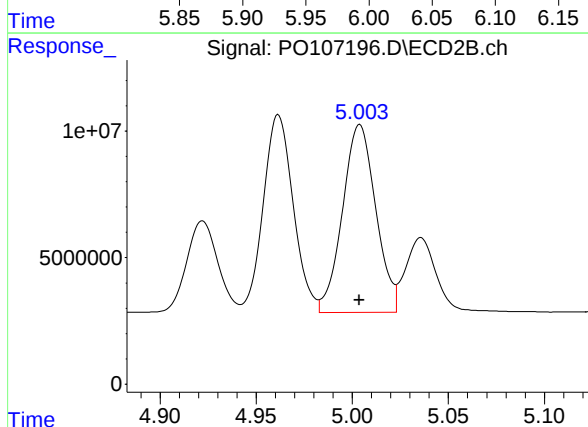
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 85173308
Conc: 915.23 ng/ml



#23 AR-1248-3

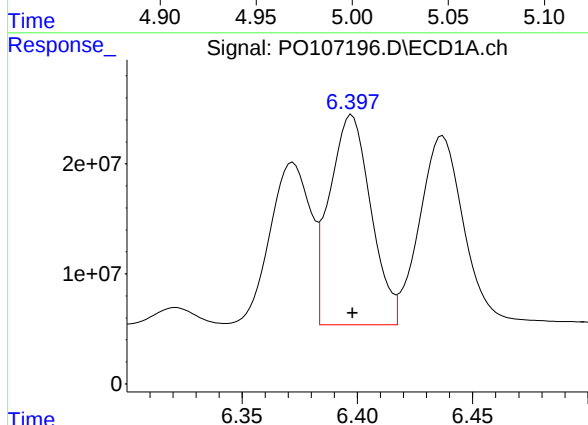
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 231904923
Conc: 892.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



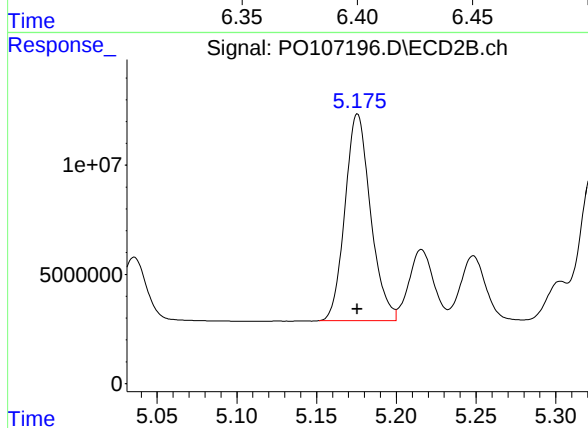
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 89257070
Conc: 916.61 ng/ml



#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 237210289
Conc: 910.48 ng/ml



#24 AR-1248-4

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 105934439
Conc: 923.09 ng/ml

Response_

Signal: PO107196.D\ECD1A.ch

#25 AR-1248-5

R.T.: 6.437 min

Delta R.T.: 0.000 min

Response: 236273499

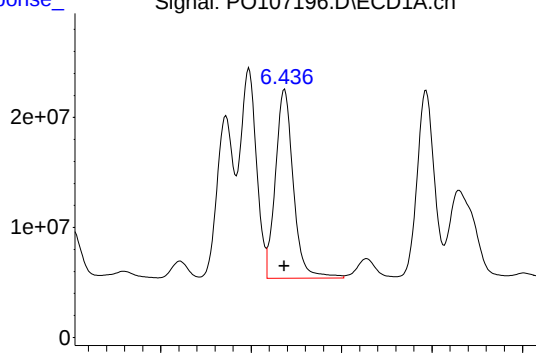
Conc: 906.19 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC1000



Time

Response_

Signal: PO107196.D\ECD2B.ch

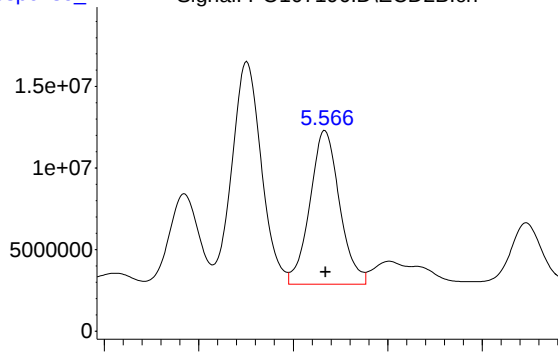
#25 AR-1248-5

R.T.: 5.567 min

Delta R.T.: 0.000 min

Response: 102828085

Conc: 936.49 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107197.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:22
 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: Oct 16 02:09:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	684.0E6	254.2E6	73.085	74.199
2) SA Decachlor...	10.056	8.638	177.9E6	201.2E6	71.030	72.062
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	123.6E6	47278639	705.517	728.719
22) L5 AR-1248-2	5.795	4.962	178.7E6	66831271	704.358	718.137
23) L5 AR-1248-3	5.997	5.004	184.7E6	69919958	711.094	718.027
24) L5 AR-1248-4	6.398	5.176	185.0E6	82899838	709.988	722.373
25) L5 AR-1248-5	6.437	5.568	184.9E6	79019739	709.319	719.661

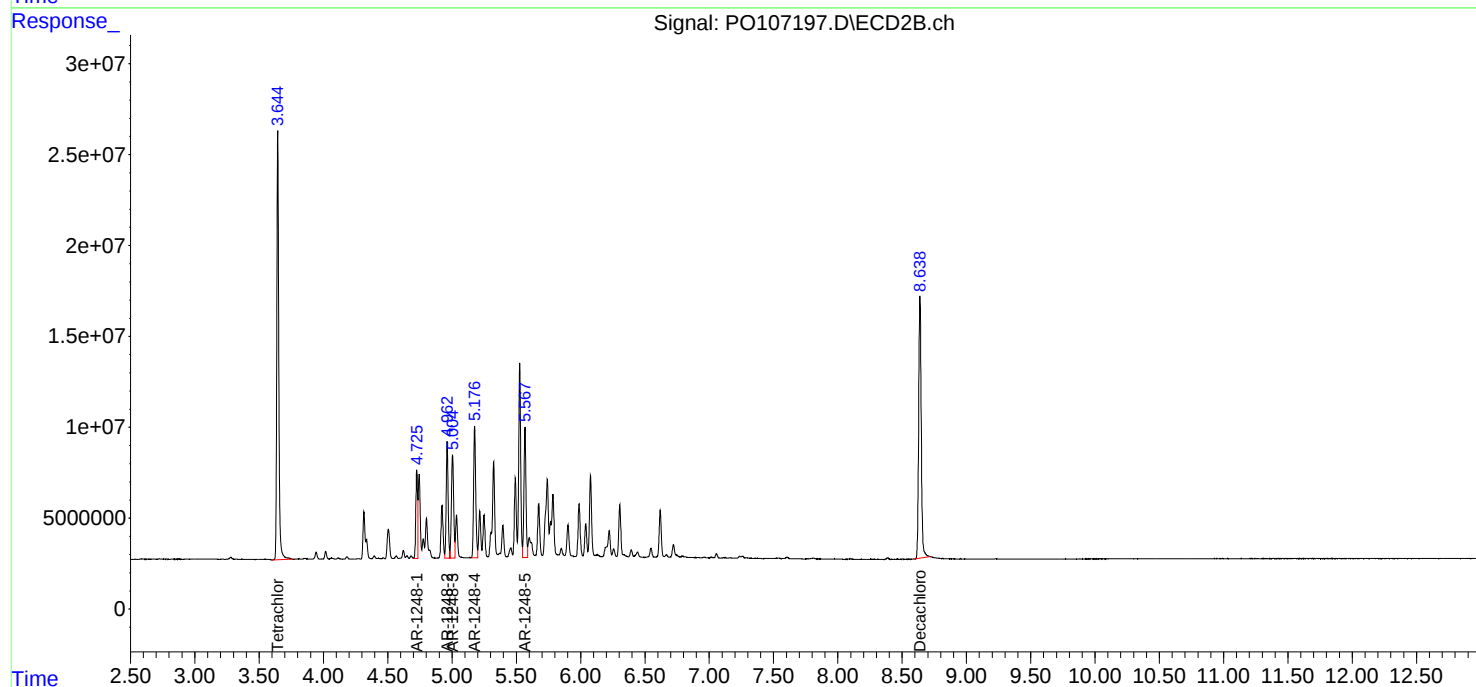
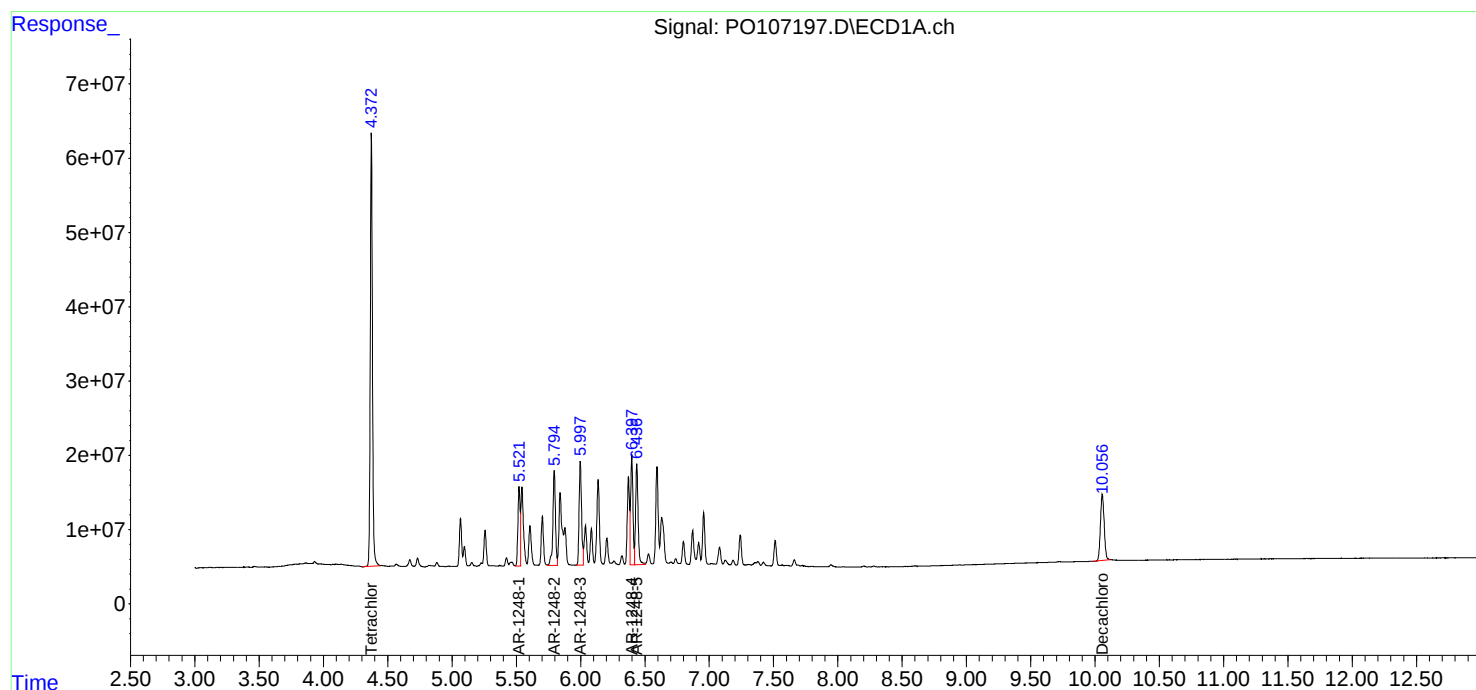
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

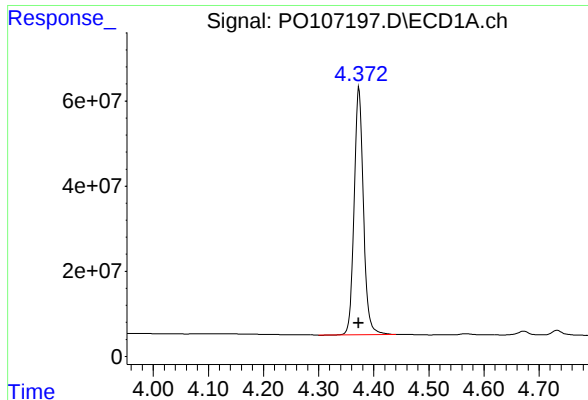
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : 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

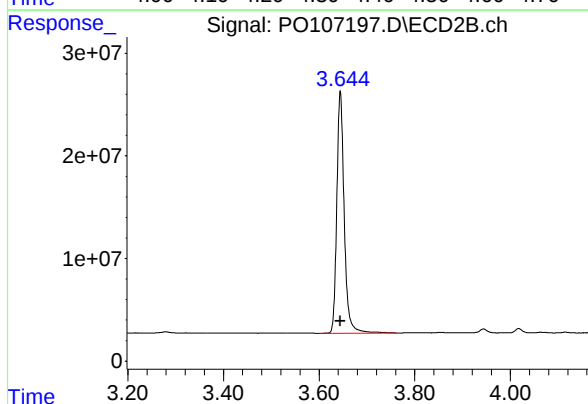




#1 Tetrachloro-m-xylene

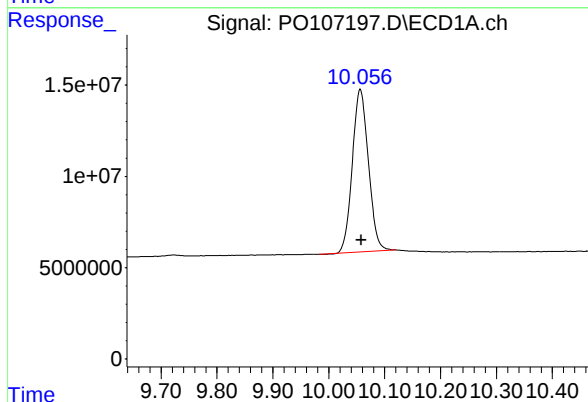
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 683999452
Conc: 73.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



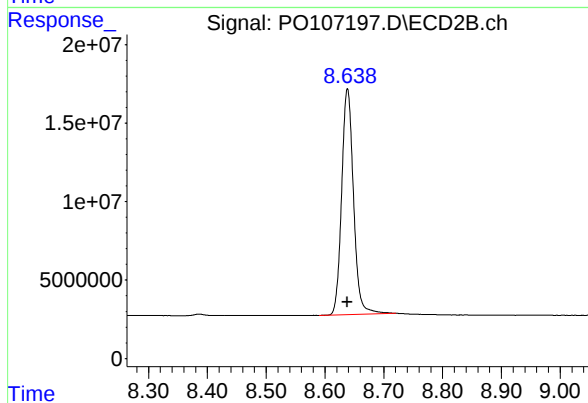
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 254192958
Conc: 74.20 ng/ml



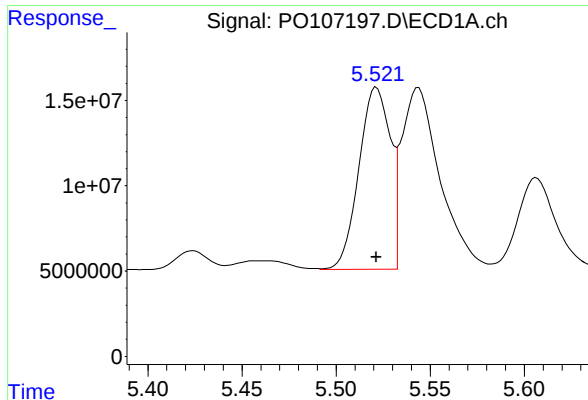
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 177864976
Conc: 71.03 ng/ml



#2 Decachlorobiphenyl

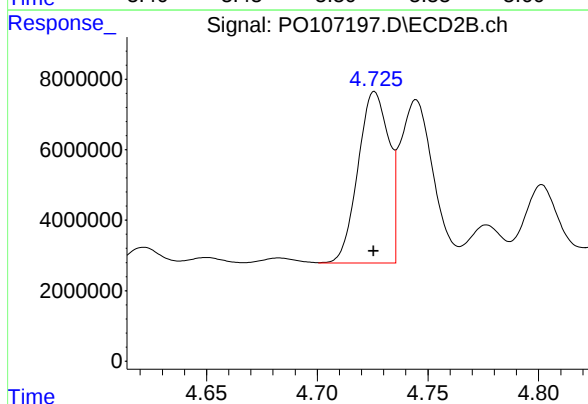
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 201187288
Conc: 72.06 ng/ml



#21 AR-1248-1

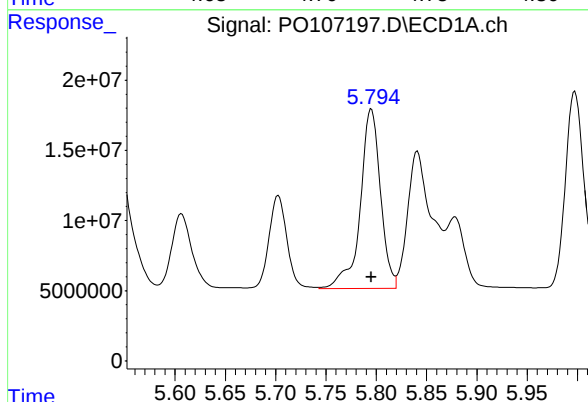
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 123600501
Conc: 705.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



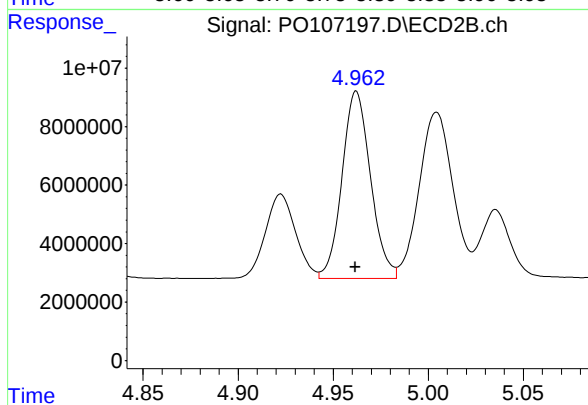
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 47278639
Conc: 728.72 ng/ml



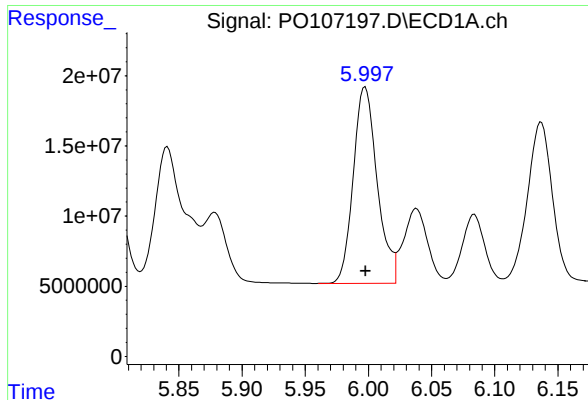
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 178651866
Conc: 704.36 ng/ml



#22 AR-1248-2

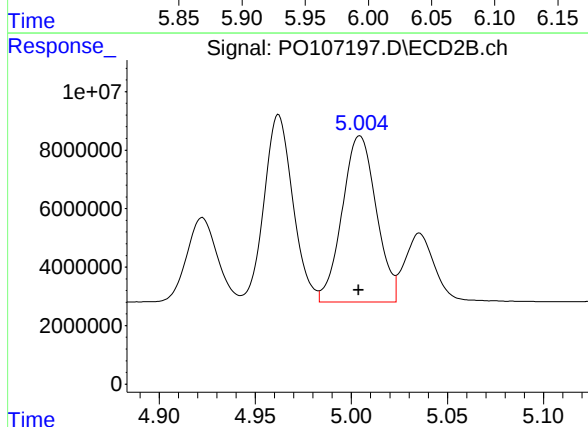
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 66831271
Conc: 718.14 ng/ml



#23 AR-1248-3

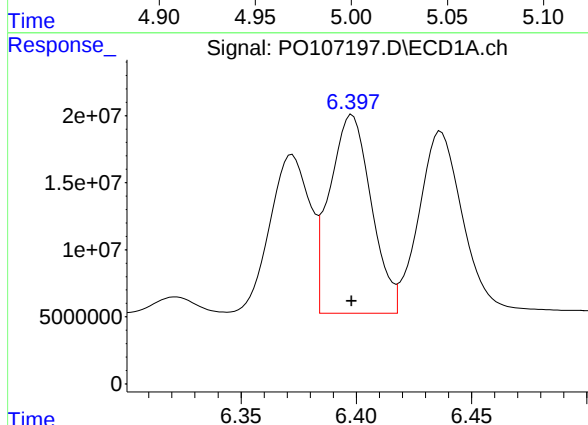
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 184675314
Conc: 711.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



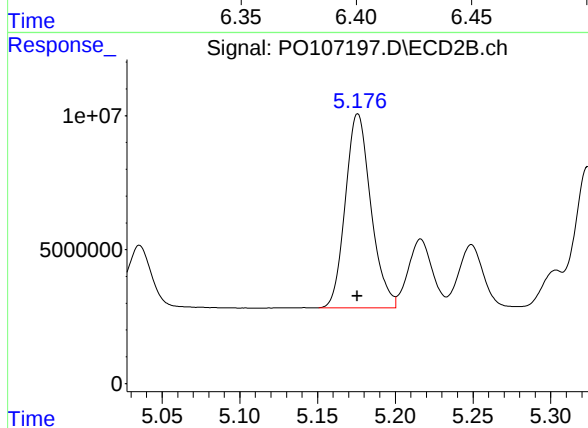
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 69919958
Conc: 718.03 ng/ml



#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 184975399
Conc: 709.99 ng/ml



#24 AR-1248-4

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 82899838
Conc: 722.37 ng/ml

Response_

Signal: PO107197.D\ECD1A.ch

#25 AR-1248-5

R.T.: 6.437 min

Delta R.T.: 0.000 min

Response: 184943304

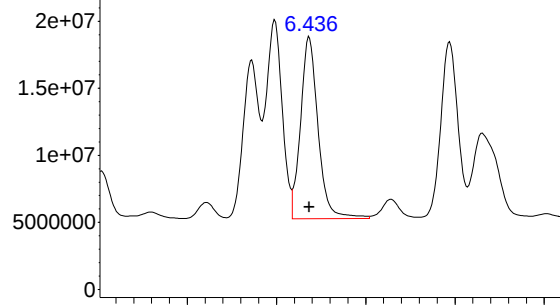
Conc: 709.32 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC750



Time

Response_

Signal: PO107197.D\ECD2B.ch

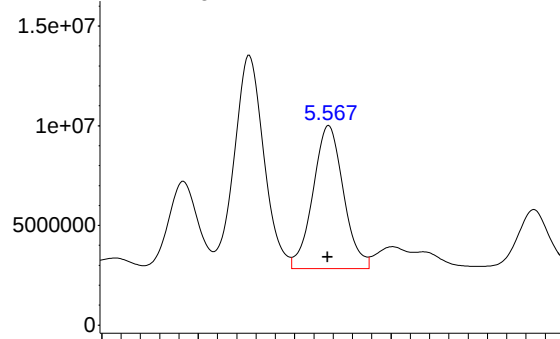
#25 AR-1248-5

R.T.: 5.568 min

Delta R.T.: 0.000 min

Response: 79019739

Conc: 719.66 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107198.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:41
 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: Oct 16 02:09:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	467.9E6	171.3E6	50.000	50.000
2) SA Decachlor...	10.058	8.638	125.2E6	139.6E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	87595666	32439560	500.000	500.000
22) L5 AR-1248-2	5.795	4.962	126.8E6	46530975	500.000	500.000
23) L5 AR-1248-3	5.998	5.004	129.9E6	48688939	500.000	500.000
24) L5 AR-1248-4	6.398	5.176	130.3E6	57380206	500.000	500.000
25) L5 AR-1248-5	6.437	5.567	130.4E6	54900690	500.000	500.000

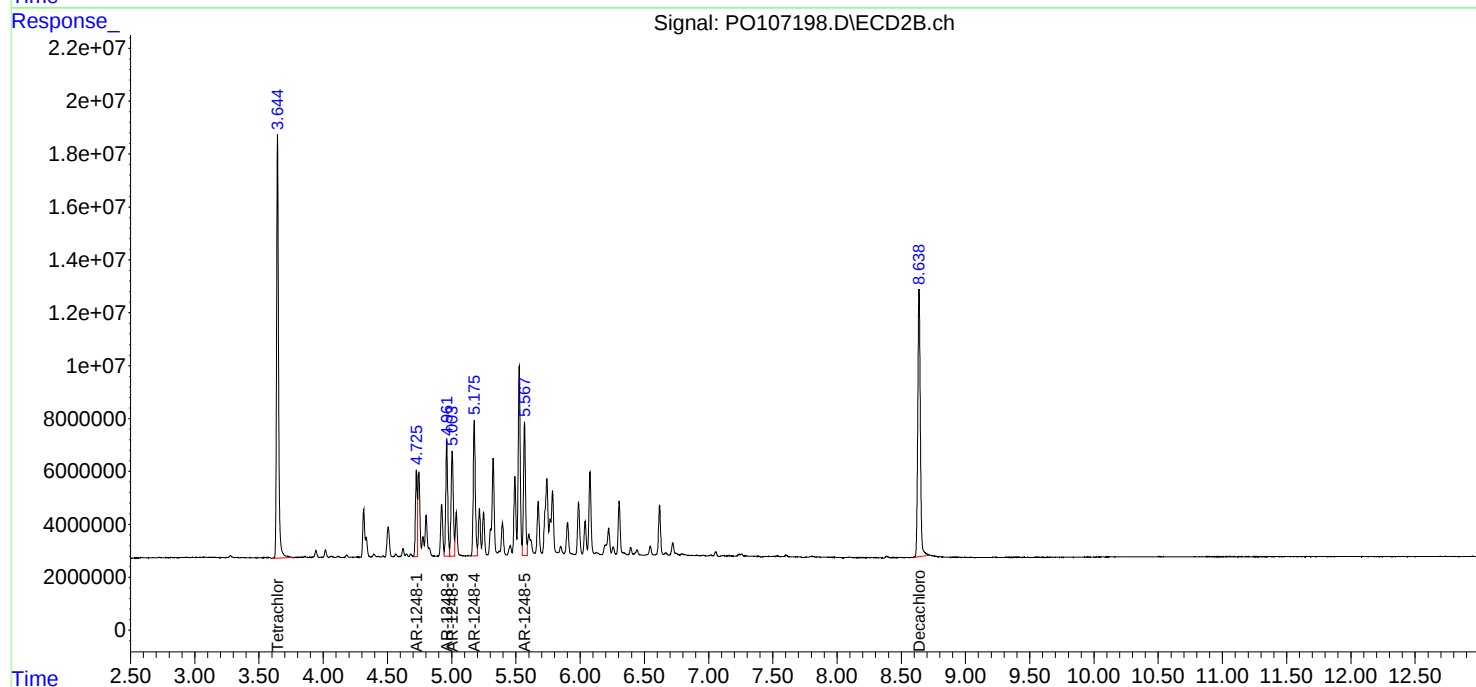
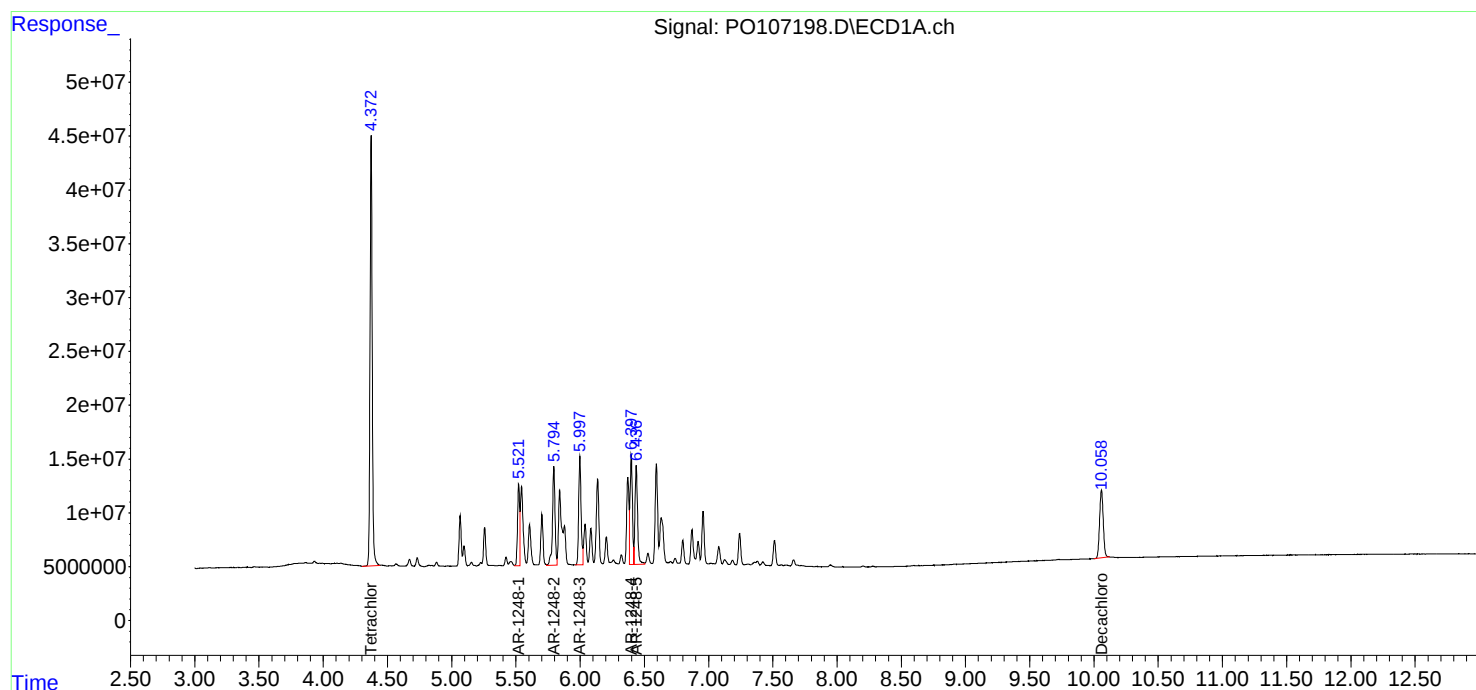
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

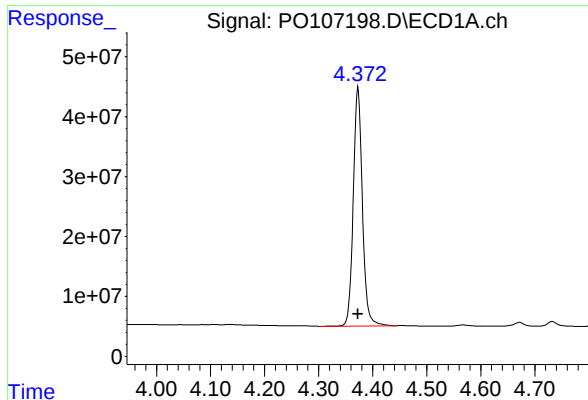
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : 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

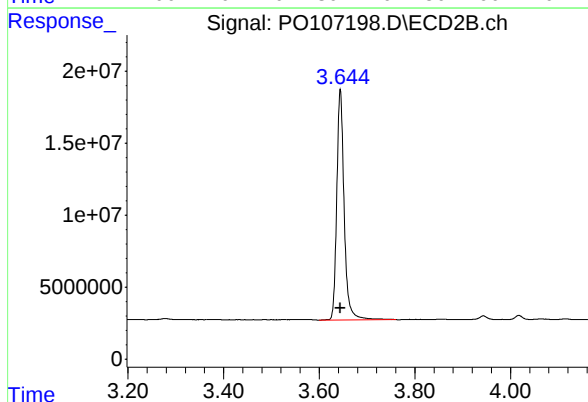




#1 Tetrachloro-m-xylene

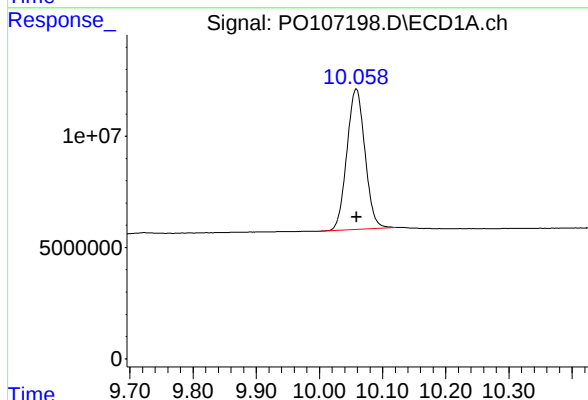
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 467945209
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



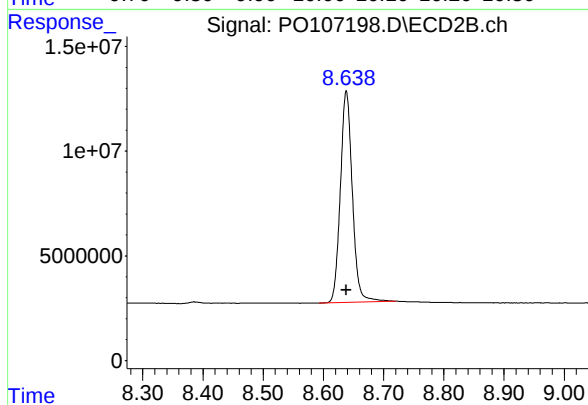
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 171291824
Conc: 50.00 ng/ml



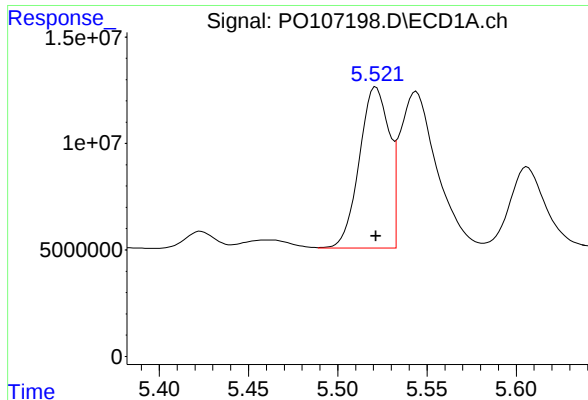
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 125204484
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

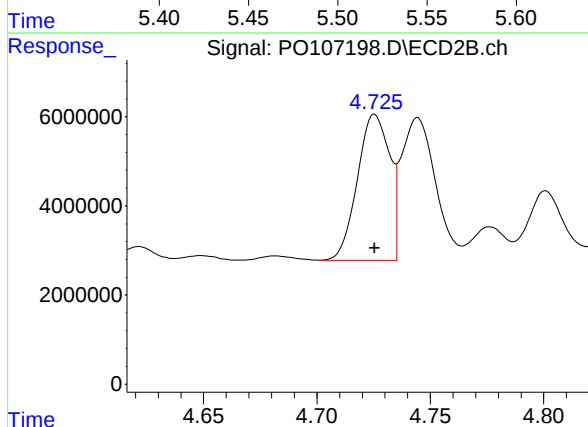
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 139593685
Conc: 50.00 ng/ml



#21 AR-1248-1

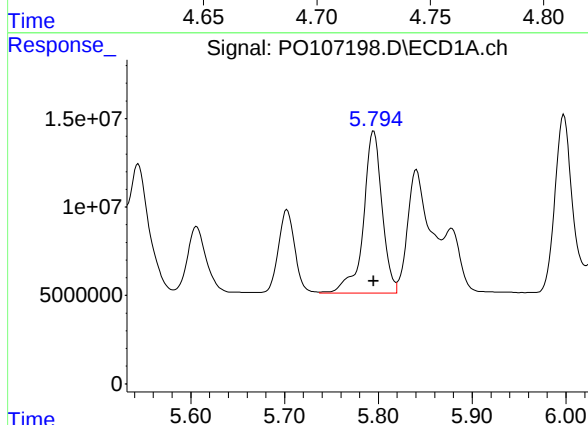
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 87595666
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



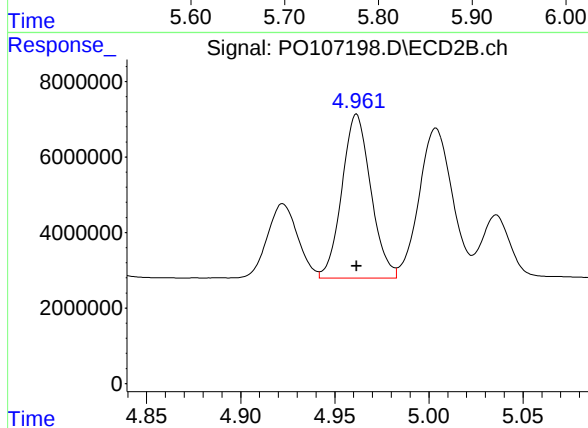
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 32439560
Conc: 500.00 ng/ml



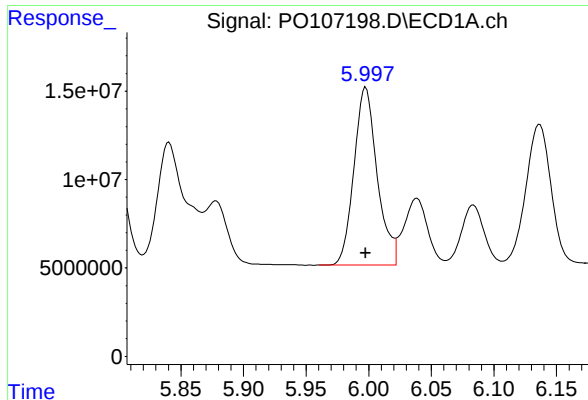
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 126818984
Conc: 500.00 ng/ml



#22 AR-1248-2

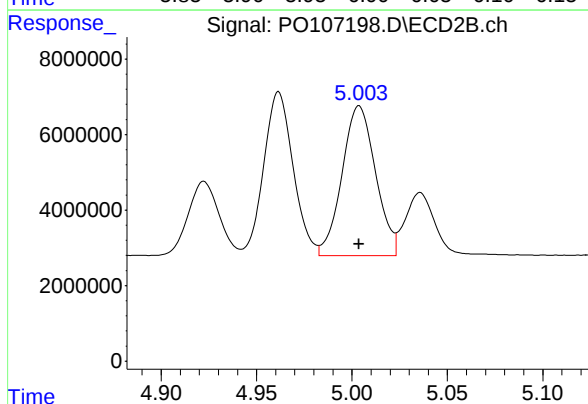
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 46530975
Conc: 500.00 ng/ml



#23 AR-1248-3

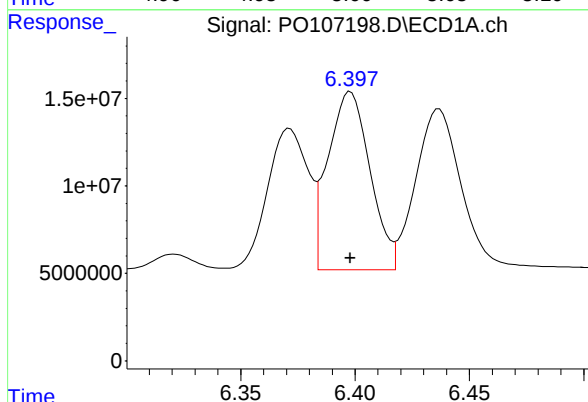
R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 129853046
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



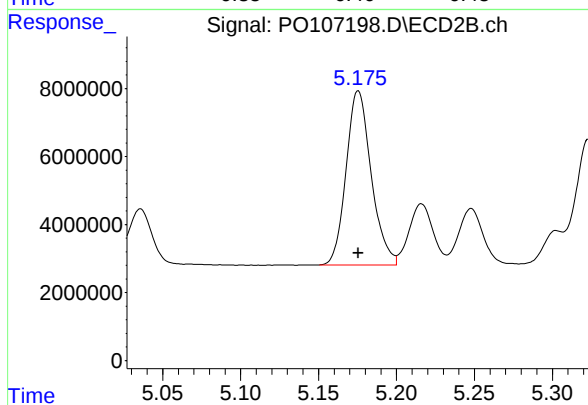
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 48688939
Conc: 500.00 ng/ml



#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 130266636
Conc: 500.00 ng/ml



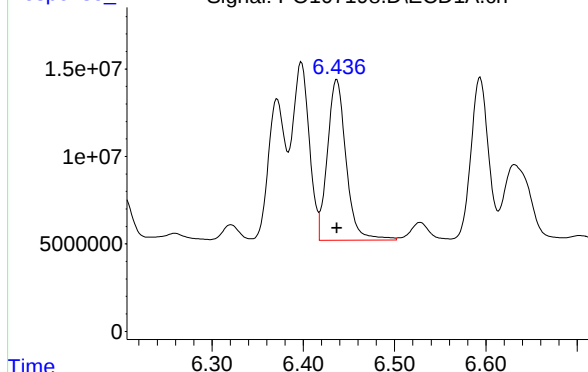
#24 AR-1248-4

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 57380206
Conc: 500.00 ng/ml

Response_

Signal: PO107198.D\ECD1A.ch

#25 AR-1248-5



R.T.: 6.437 min

Delta R.T.: 0.000 min

Response: 130366768

Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

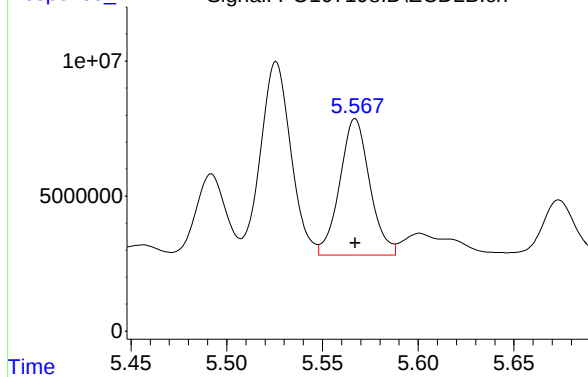
AR1248ICC500

Time

Response_

Signal: PO107198.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.567 min

Delta R.T.: 0.000 min

Response: 54900690

Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107199.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:59
 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: Oct 16 02:09:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	237.3E6	84054601	25.358	24.535
2) SA Decachlor...	10.056	8.639	64153967	70917862	25.620	25.402
Target Compounds						
21) L5 AR-1248-1	5.522	4.725	46152443	16666809	263.440	256.890
22) L5 AR-1248-2	5.796	4.962	67518514	24135370	266.200	259.347
23) L5 AR-1248-3	5.998	5.003	68597053	25222976	264.133	259.022
24) L5 AR-1248-4	6.399	5.175	68218183	29443172	261.841	256.562
25) L5 AR-1248-5	6.437	5.567	69078530	28554491	264.939	260.056

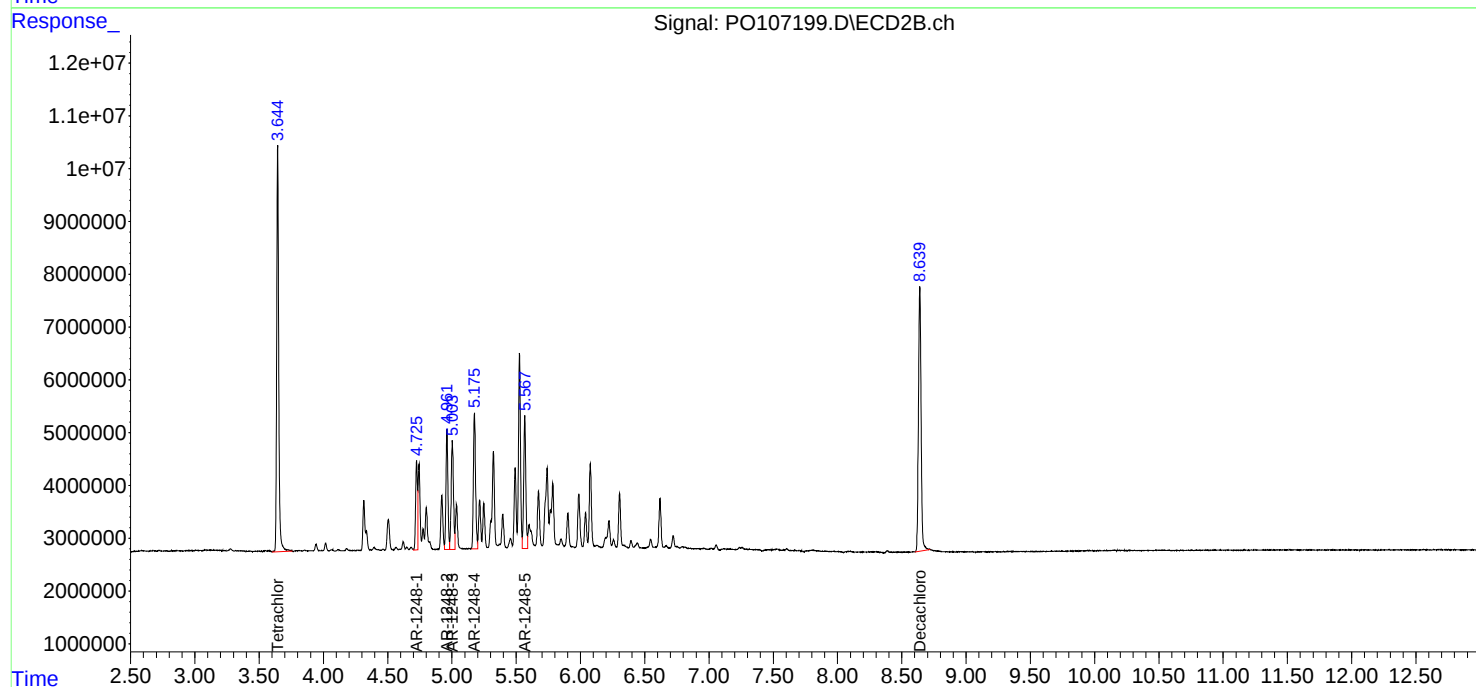
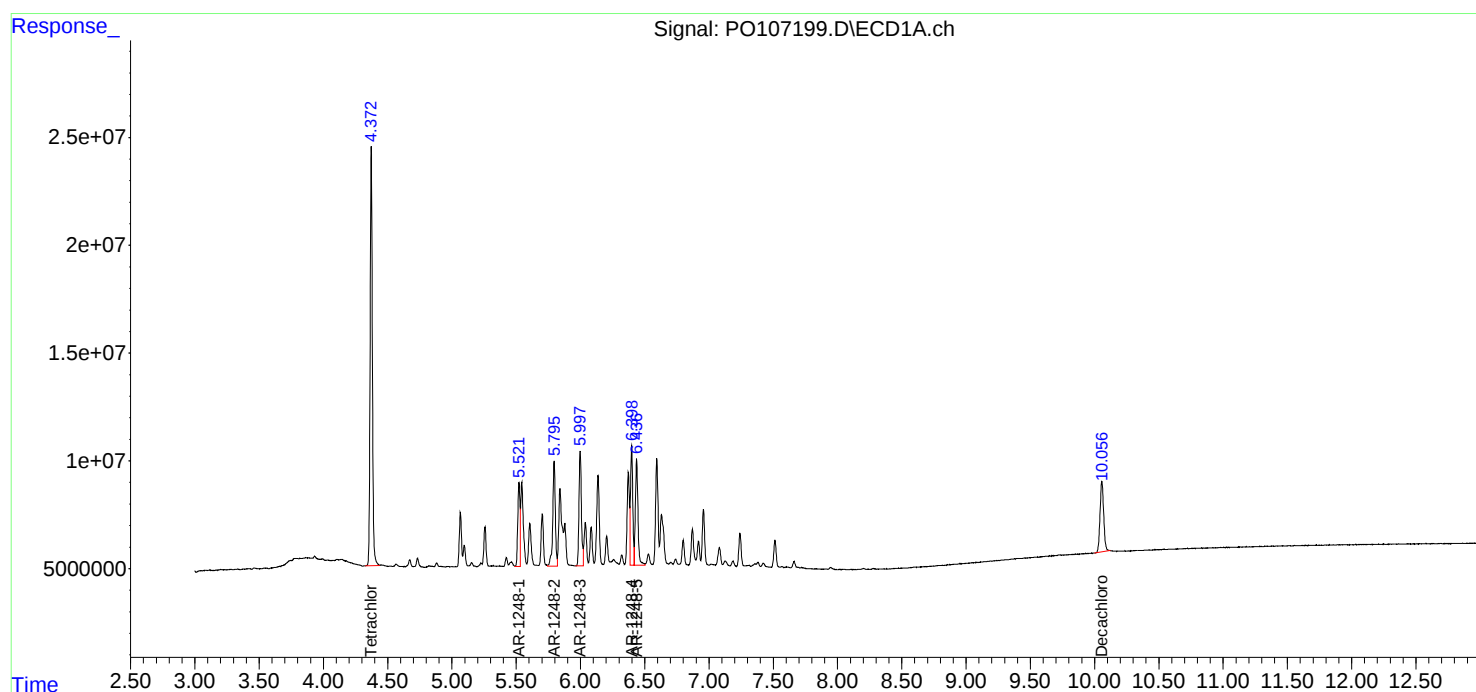
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

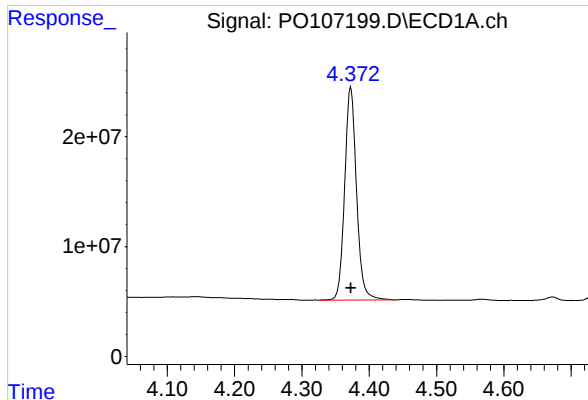
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : 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

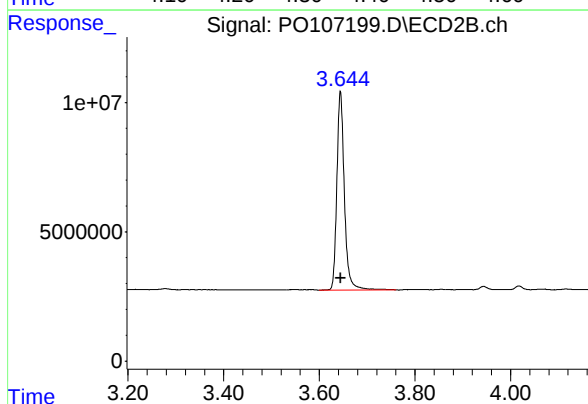




#1 Tetrachloro-m-xylene

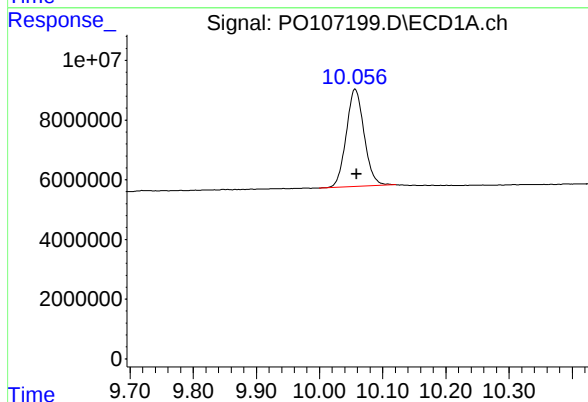
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237319605
Conc: 25.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



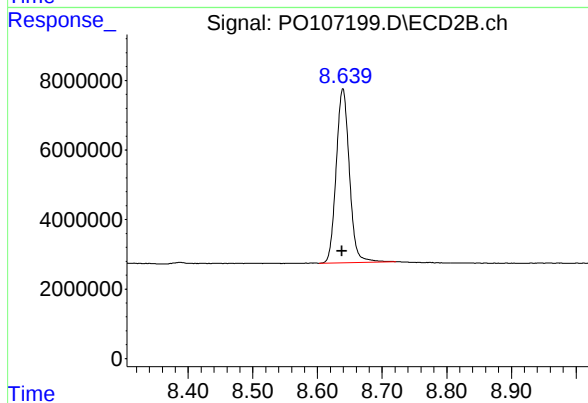
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 84054601
Conc: 24.54 ng/ml



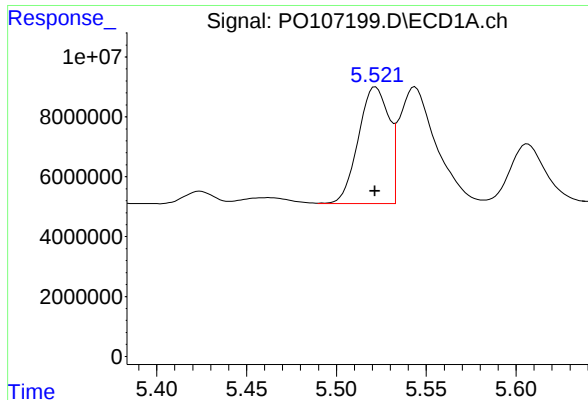
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 64153967
Conc: 25.62 ng/ml



#2 Decachlorobiphenyl

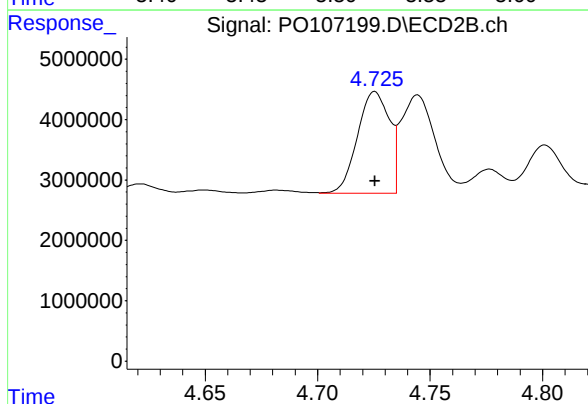
R.T.: 8.639 min
Delta R.T.: 0.001 min
Response: 70917862
Conc: 25.40 ng/ml



#21 AR-1248-1

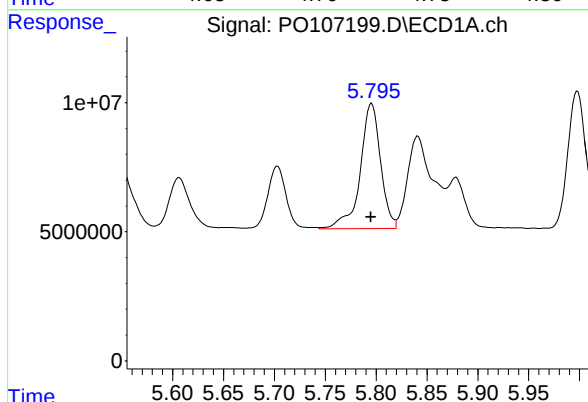
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 46152443
Conc: 263.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



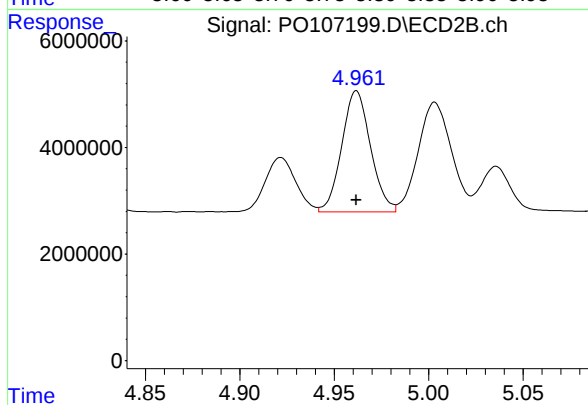
#21 AR-1248-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 16666809
Conc: 256.89 ng/ml



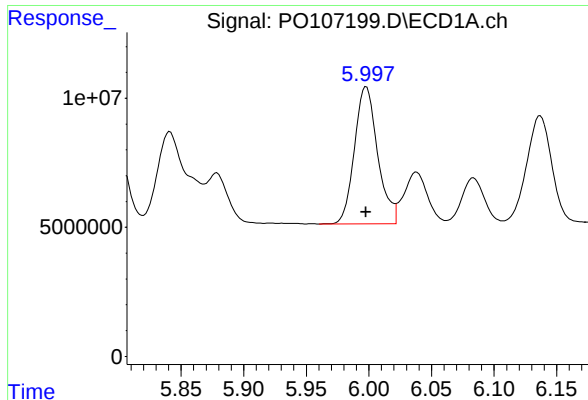
#22 AR-1248-2

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 67518514
Conc: 266.20 ng/ml



#22 AR-1248-2

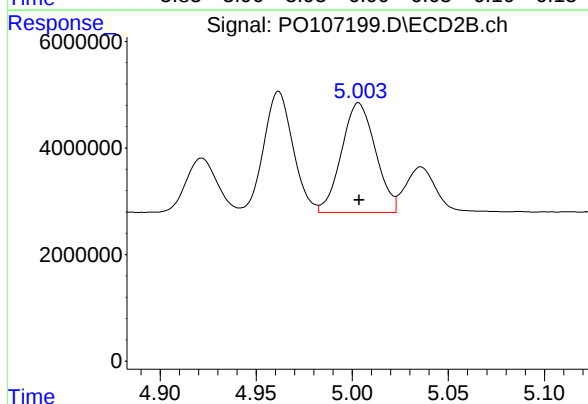
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 24135370
Conc: 259.35 ng/ml



#23 AR-1248-3

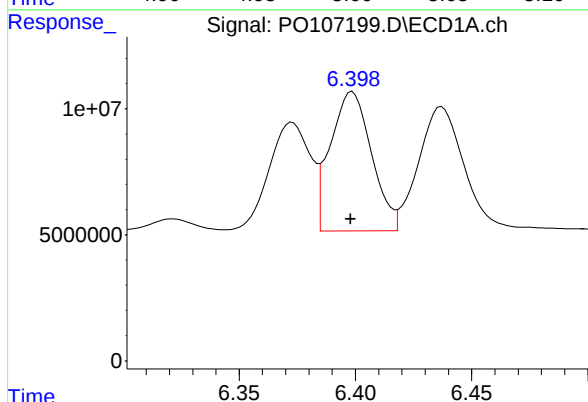
R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 68597053
Conc: 264.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



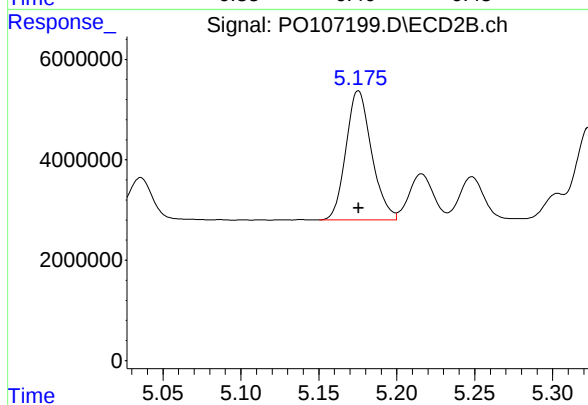
#23 AR-1248-3

R.T.: 5.003 min
Delta R.T.: 0.000 min
Response: 25222976
Conc: 259.02 ng/ml



#24 AR-1248-4

R.T.: 6.399 min
Delta R.T.: 0.000 min
Response: 68218183
Conc: 261.84 ng/ml



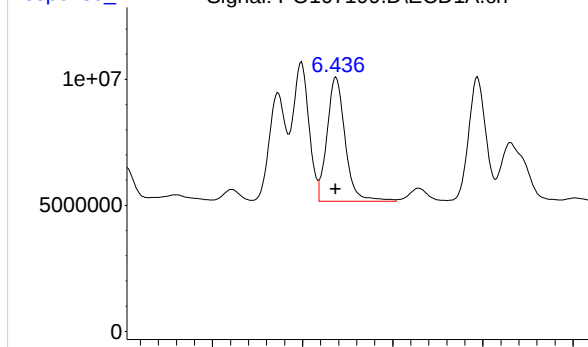
#24 AR-1248-4

R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 29443172
Conc: 256.56 ng/ml

Response_

Signal: PO107199.D\ECD1A.ch

#25 AR-1248-5



R.T.: 6.437 min

Delta R.T.: 0.000 min

Response: 69078530

Conc: 264.94 ng/ml

Instrument :

ECD_O

ClientSampleId :

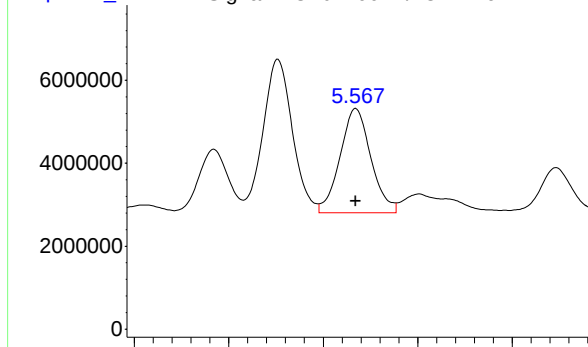
AR1248ICC250

Time

Response_

Signal: PO107199.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.567 min

Delta R.T.: 0.000 min

Response: 28554491

Conc: 260.06 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107200.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 23:17
 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: Oct 16 02:10:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	44978867	14828612	4.806	4.328
2) SA Decachlor...	10.057	8.638	11983506	13399690	4.786	4.800
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	9443386	3120120	53.903	48.091
22) L5 AR-1248-2	5.795	4.962	14018331	4677017	55.269	50.257
23) L5 AR-1248-3	5.997	5.004	13309890	4810627	51.250	49.402
24) L5 AR-1248-4	6.398	5.176	13593006	5584554	52.174	48.663
25) L5 AR-1248-5	6.436	5.567	14015230	5957032	53.753	54.253

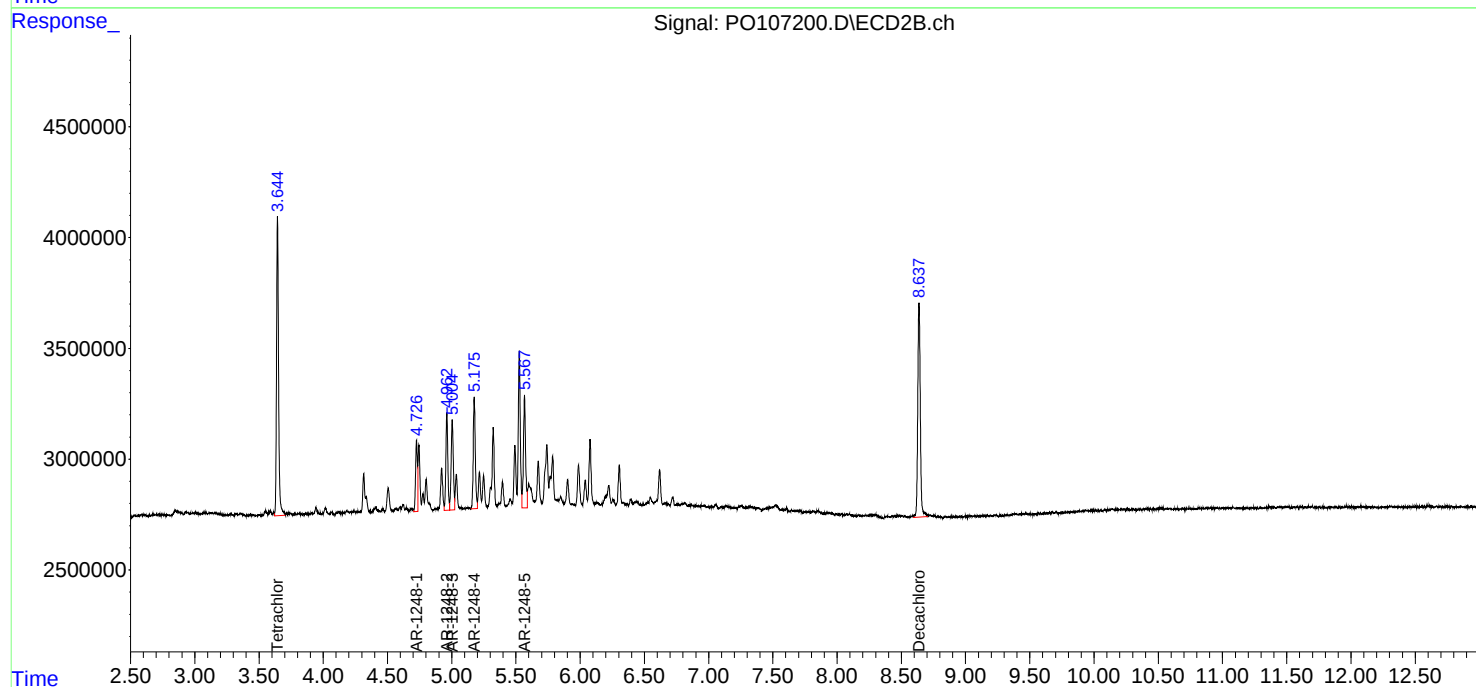
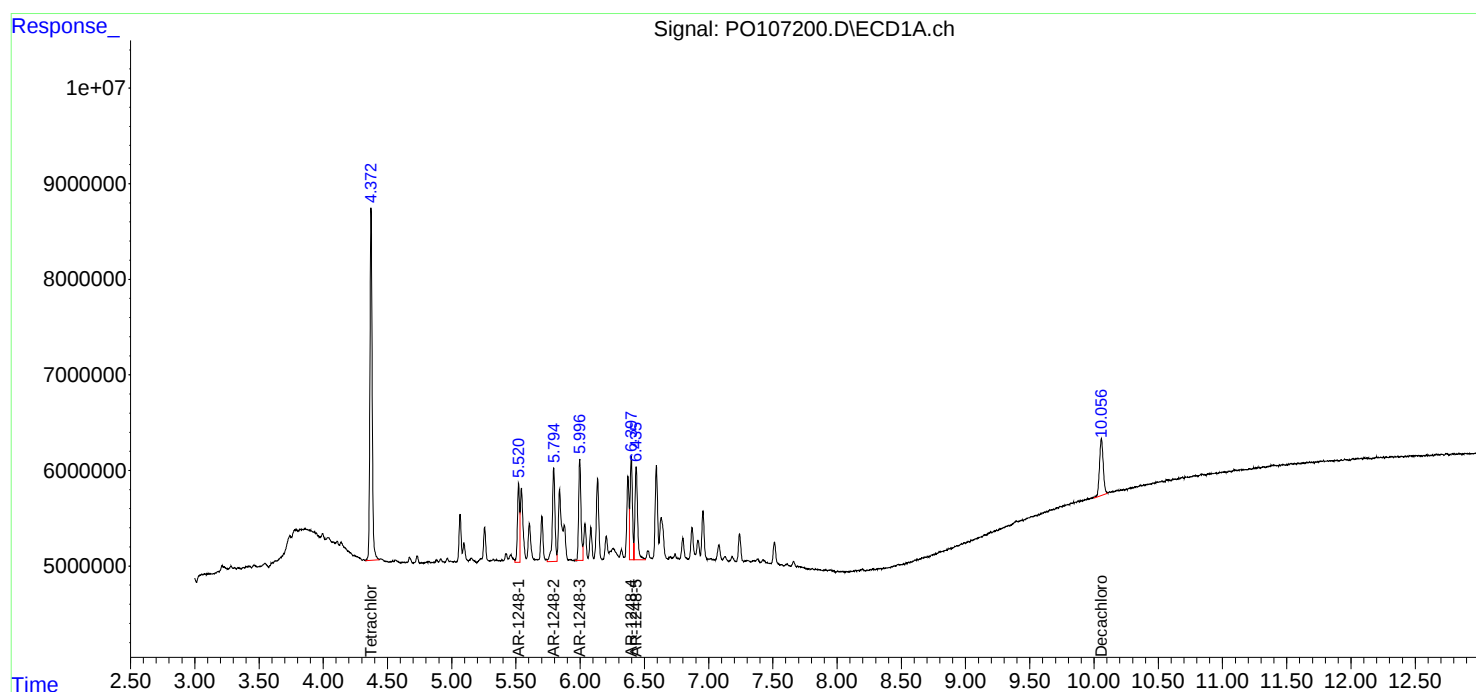
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

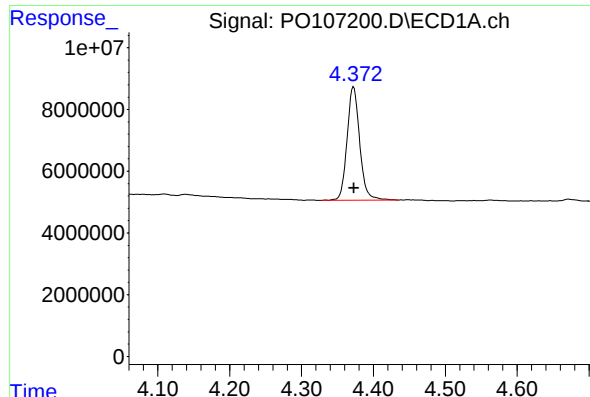
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

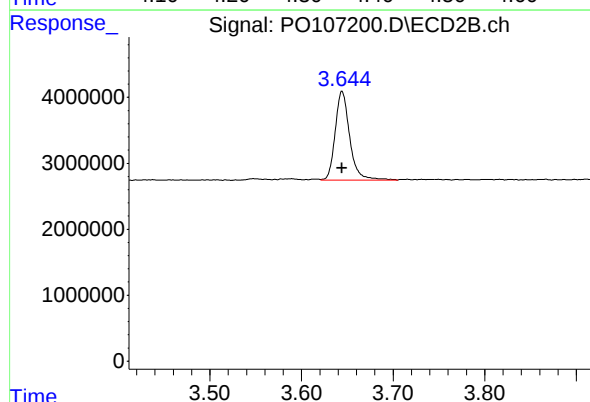




#1 Tetrachloro-m-xylene

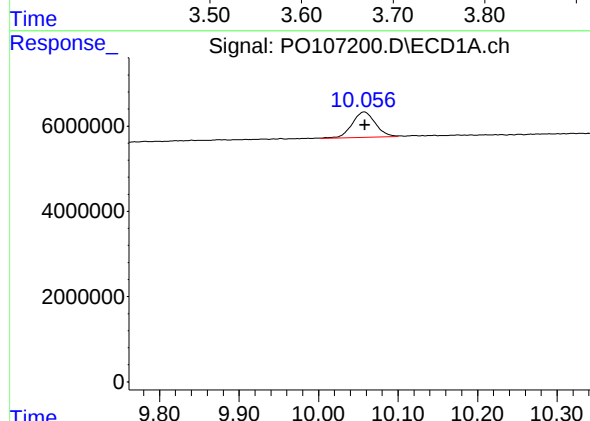
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 44978867
Conc: 4.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



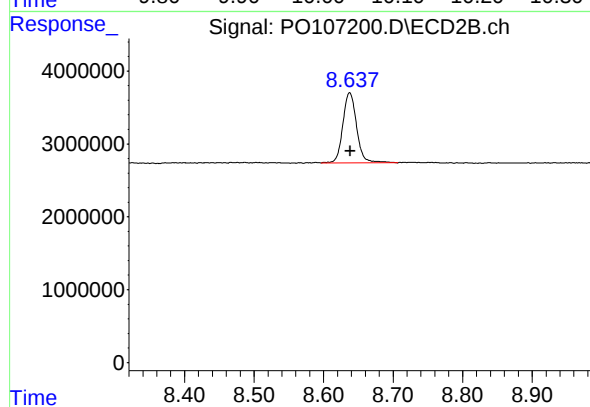
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14828612
Conc: 4.33 ng/ml



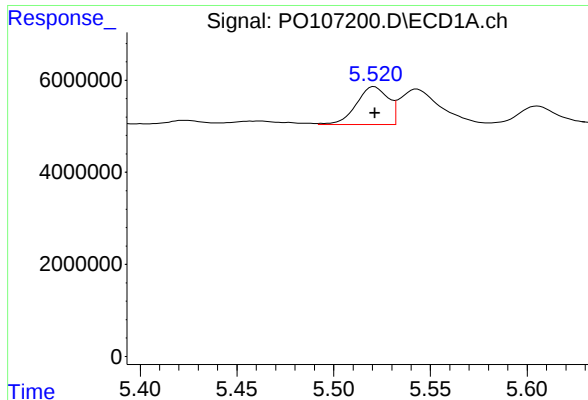
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 11983506
Conc: 4.79 ng/ml



#2 Decachlorobiphenyl

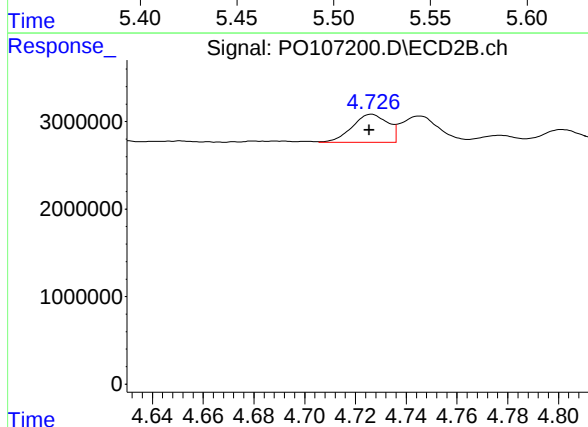
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 13399690
Conc: 4.80 ng/ml



#21 AR-1248-1

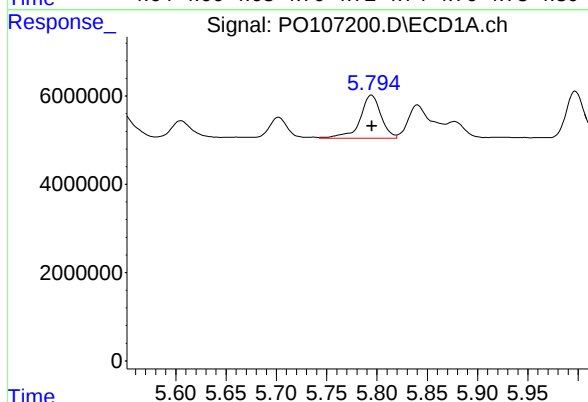
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 9443386
Conc: 53.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



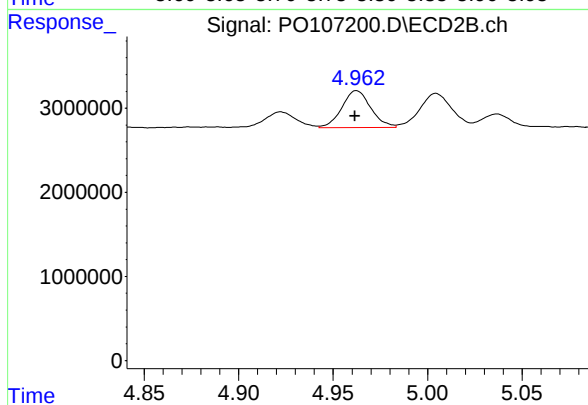
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 3120120
Conc: 48.09 ng/ml



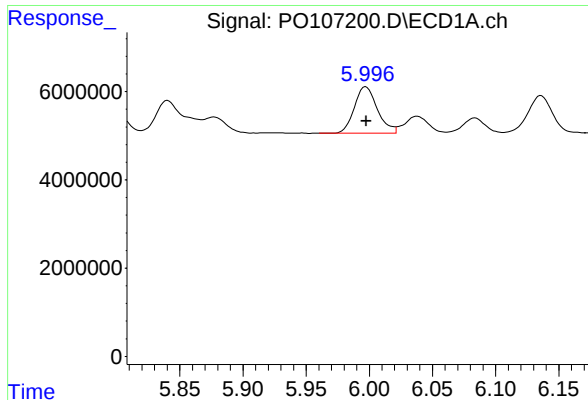
#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 14018331
Conc: 55.27 ng/ml



#22 AR-1248-2

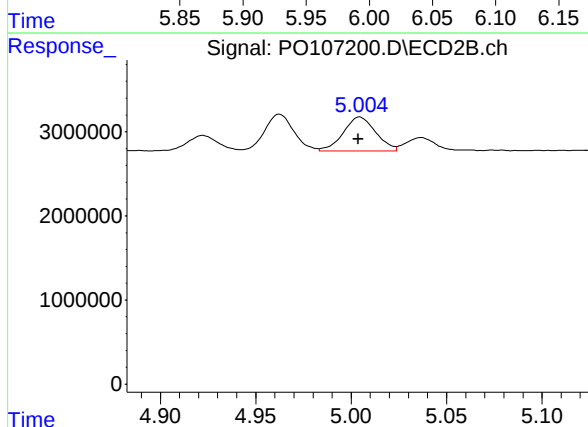
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 4677017
Conc: 50.26 ng/ml



#23 AR-1248-3

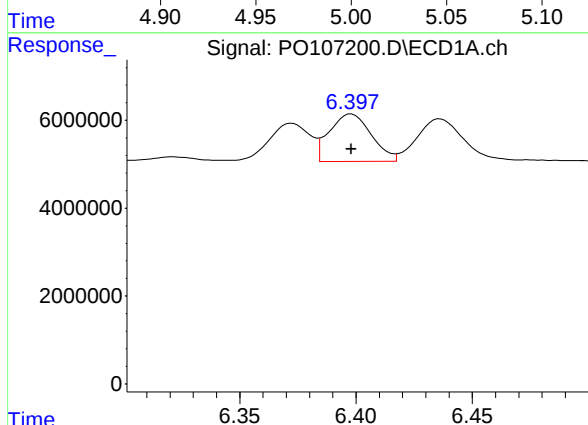
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 13309890
Conc: 51.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



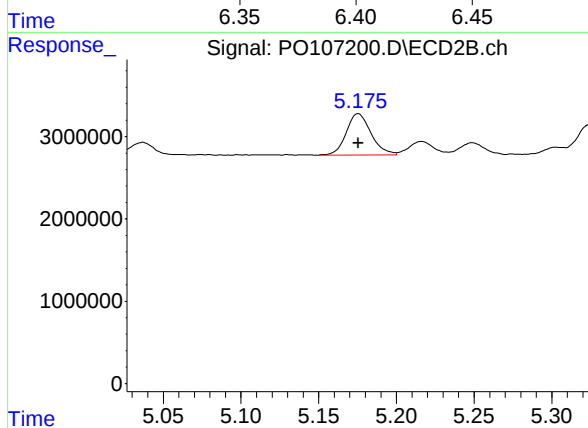
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 4810627
Conc: 49.40 ng/ml



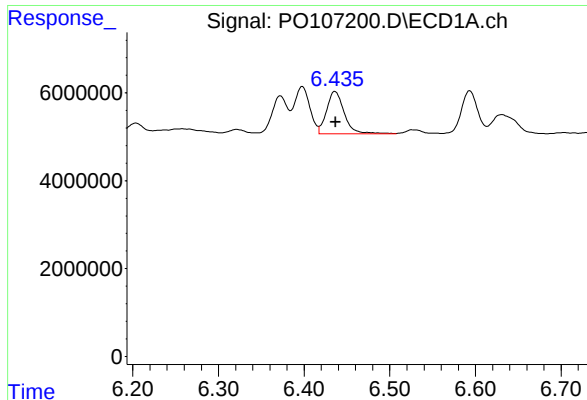
#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 13593006
Conc: 52.17 ng/ml



#24 AR-1248-4

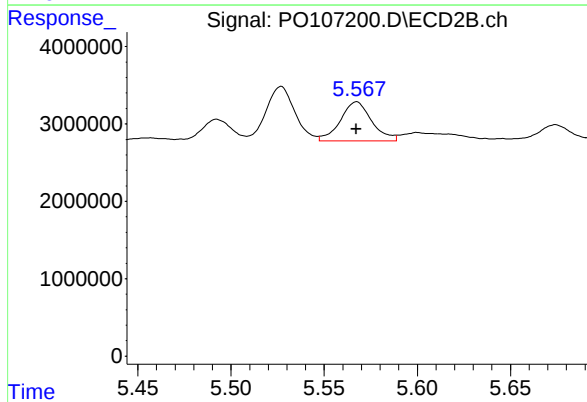
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 5584554
Conc: 48.66 ng/ml



#25 AR-1248-5

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 14015230
Conc: 53.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 5957032
Conc: 54.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107201.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 23:35
 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: Oct 16 02:21:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	888.4E6	334.8E6	96.727	99.808
2) SA Decachlor...	10.058	8.638	235.8E6	272.7E6	93.987	98.323
Target Compounds						
26) L6 AR-1254-1	6.374	5.526	246.8E6	159.9E6	931.434	965.611
27) L6 AR-1254-2	6.593	5.674	348.1E6	138.5E6	933.222	957.951
28) L6 AR-1254-3	6.957	6.077	336.3E6	227.1E6	944.885	977.812
29) L6 AR-1254-4	7.242	6.304	213.1E6	128.2E6	938.161	976.528
30) L6 AR-1254-5	7.663	6.721	194.6E6	191.9E6	945.308	982.221

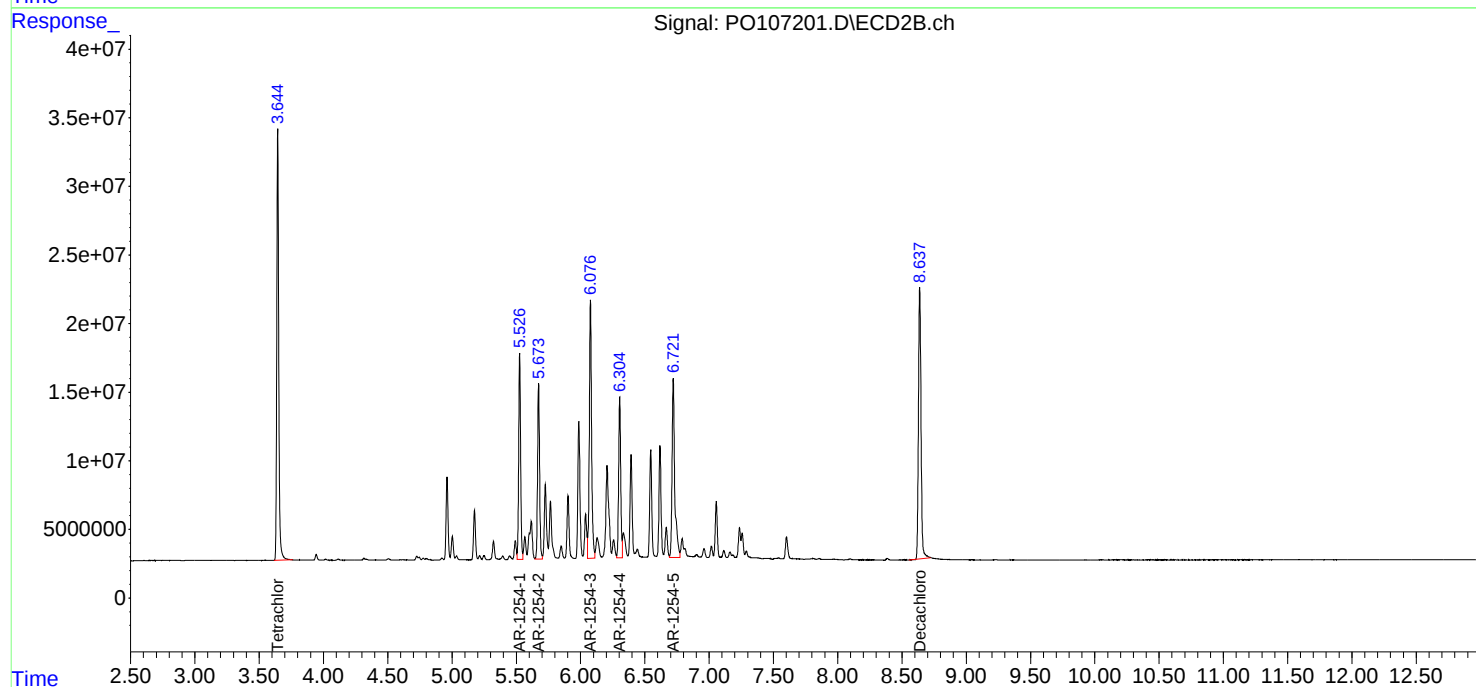
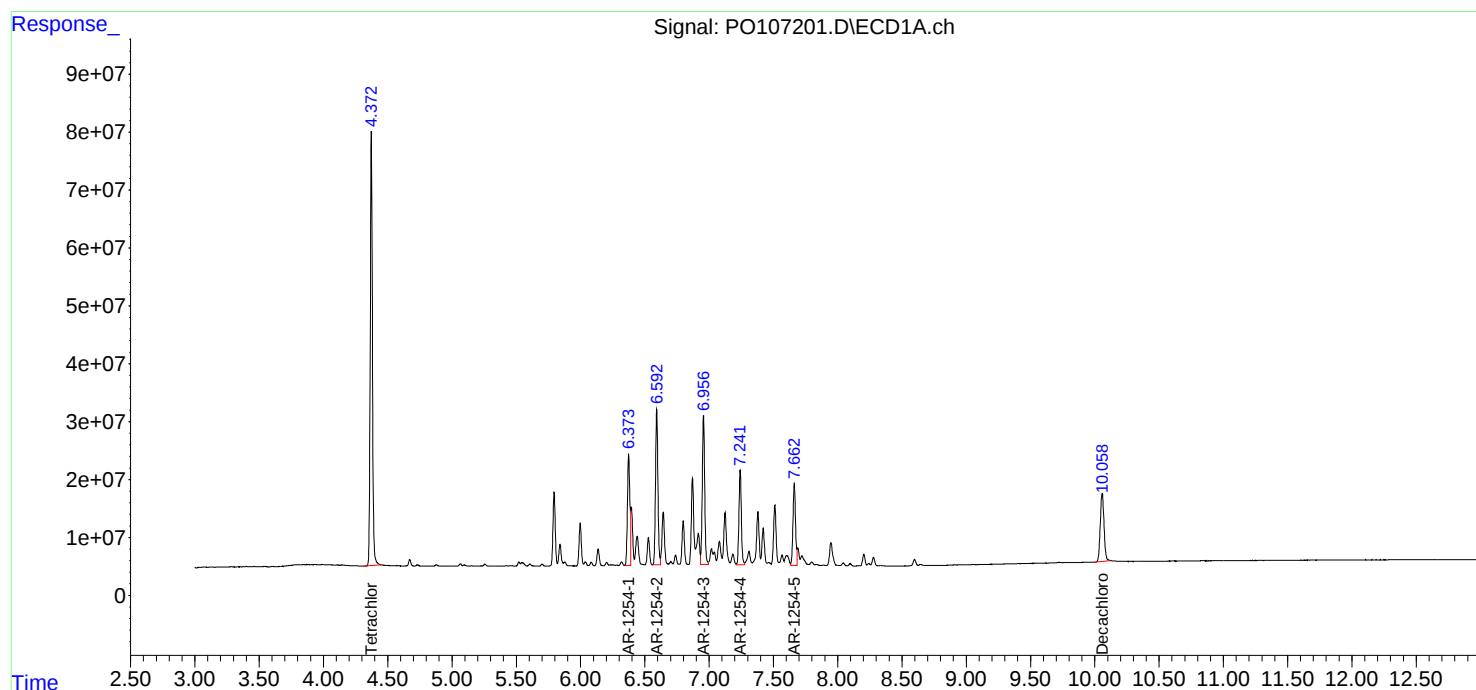
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

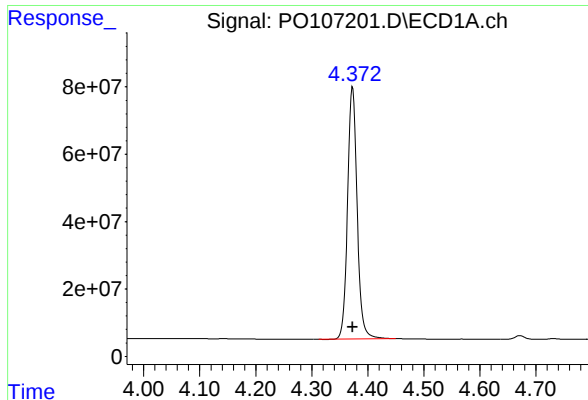
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : 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

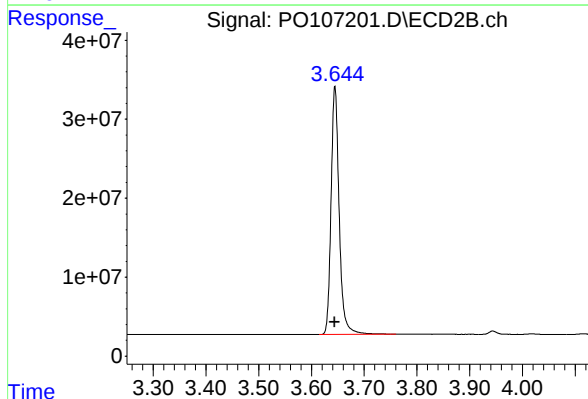




#1 Tetrachloro-m-xylene

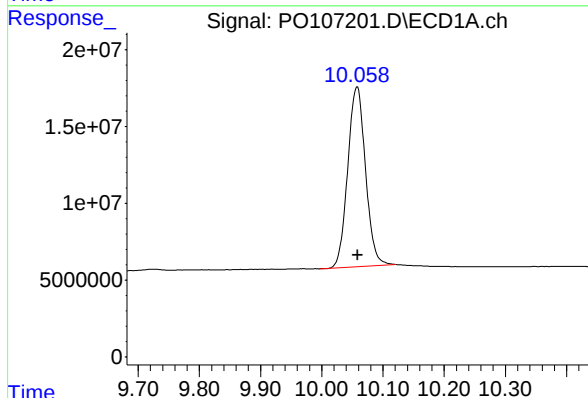
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 888376323
Conc: 96.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



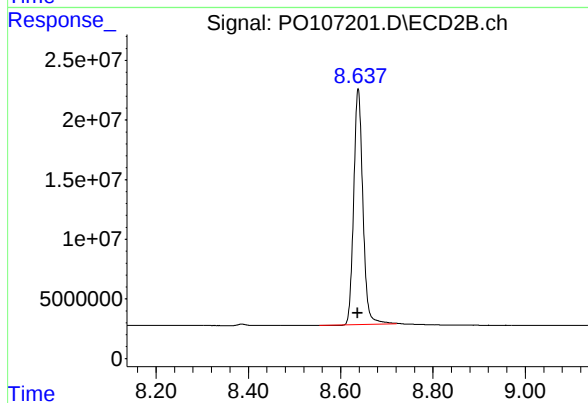
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 334779956
Conc: 99.81 ng/ml



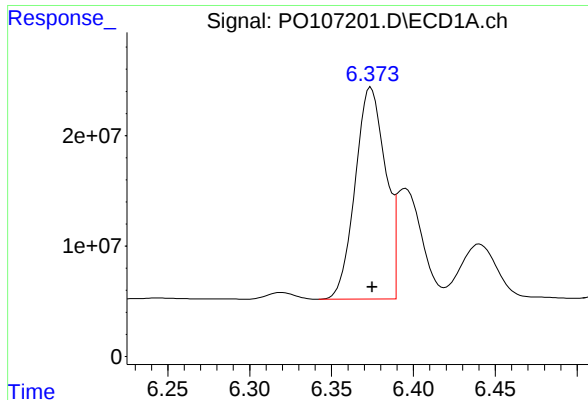
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 235774621
Conc: 93.99 ng/ml



#2 Decachlorobiphenyl

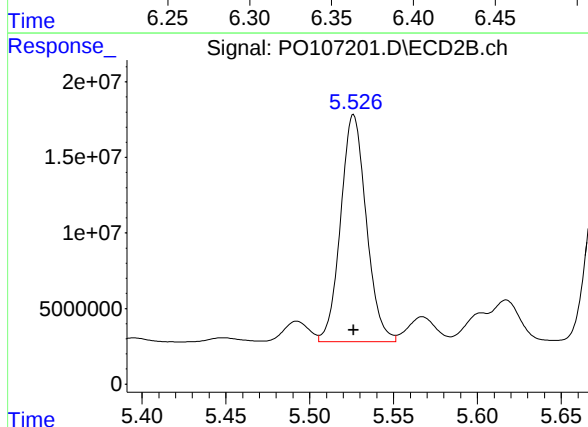
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 272692715
Conc: 98.32 ng/ml



#26 AR-1254-1

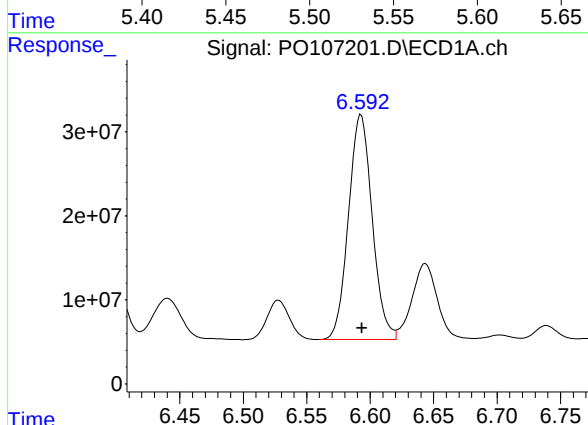
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 246822697
Conc: 931.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254\ICC1000



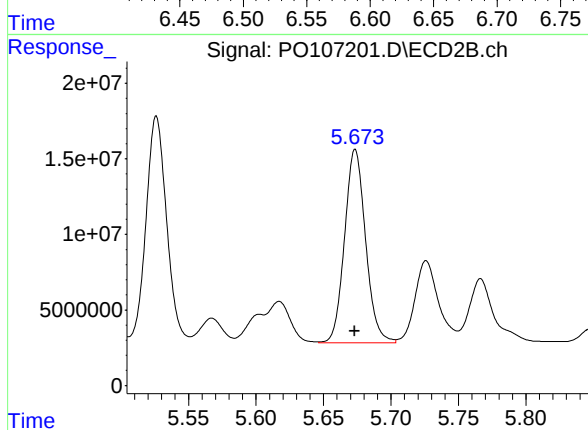
#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 159855276
Conc: 965.61 ng/ml



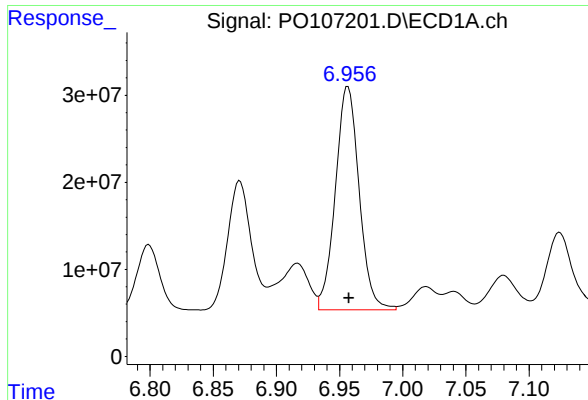
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 348120894
Conc: 933.22 ng/ml



#27 AR-1254-2

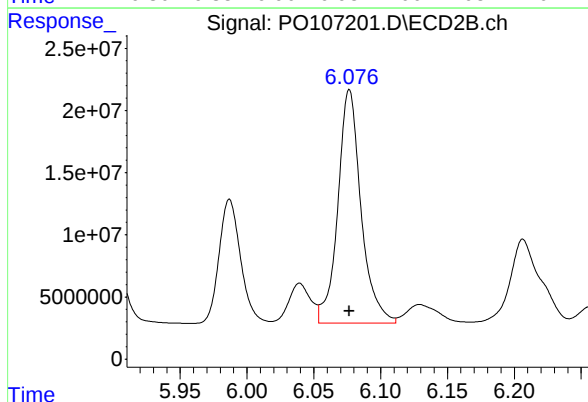
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 138468840
Conc: 957.95 ng/ml



#28 AR-1254-3

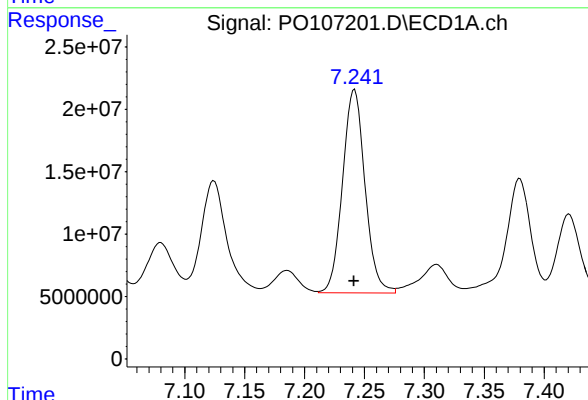
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 336293322
Conc: 944.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



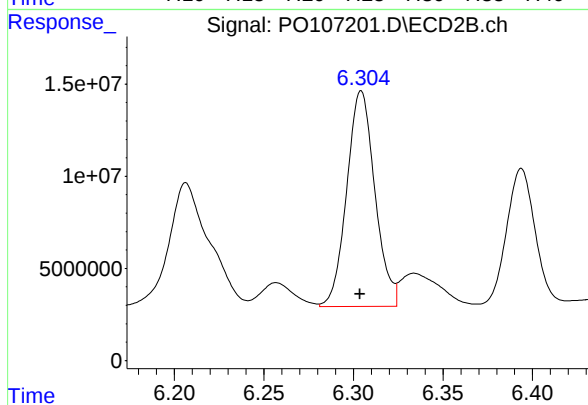
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 227061110
Conc: 977.81 ng/ml



#29 AR-1254-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 213138598
Conc: 938.16 ng/ml



#29 AR-1254-4

R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 128242906
Conc: 976.53 ng/ml

Response_

Signal: PO107201.D\ECD1A.ch

#30 AR-1254-5

R.T.: 7.663 min

Delta R.T.: 0.000 min

Response: 194609638

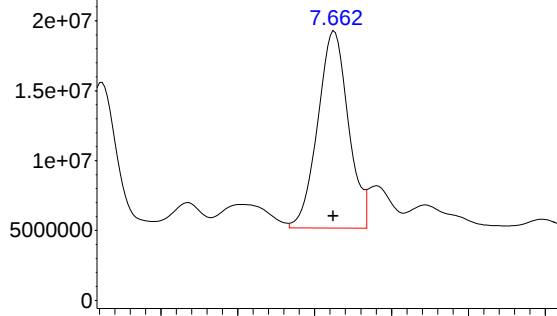
Conc: 945.31 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1254ICC1000



Time

Response_

Signal: PO107201.D\ECD2B.ch

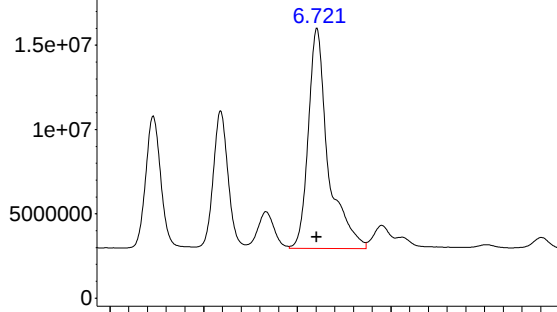
#30 AR-1254-5

R.T.: 6.721 min

Delta R.T.: 0.000 min

Response: 191904554

Conc: 982.22 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107202.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 23:53
 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: Oct 16 02:22:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	687.3E6	254.8E6	74.839	75.963
2) SA Decachlor...	10.058	8.638	180.1E6	205.4E6	71.810	74.047
Target Compounds						
26) L6 AR-1254-1	6.374	5.526	192.4E6	122.9E6	726.190	742.326
27) L6 AR-1254-2	6.593	5.673	271.2E6	106.7E6	727.100	738.182
28) L6 AR-1254-3	6.957	6.076	259.2E6	173.5E6	728.388	747.327
29) L6 AR-1254-4	7.241	6.303	165.1E6	97687474	726.838	743.858
30) L6 AR-1254-5	7.662	6.721	150.8E6	146.4E6	732.514	749.136

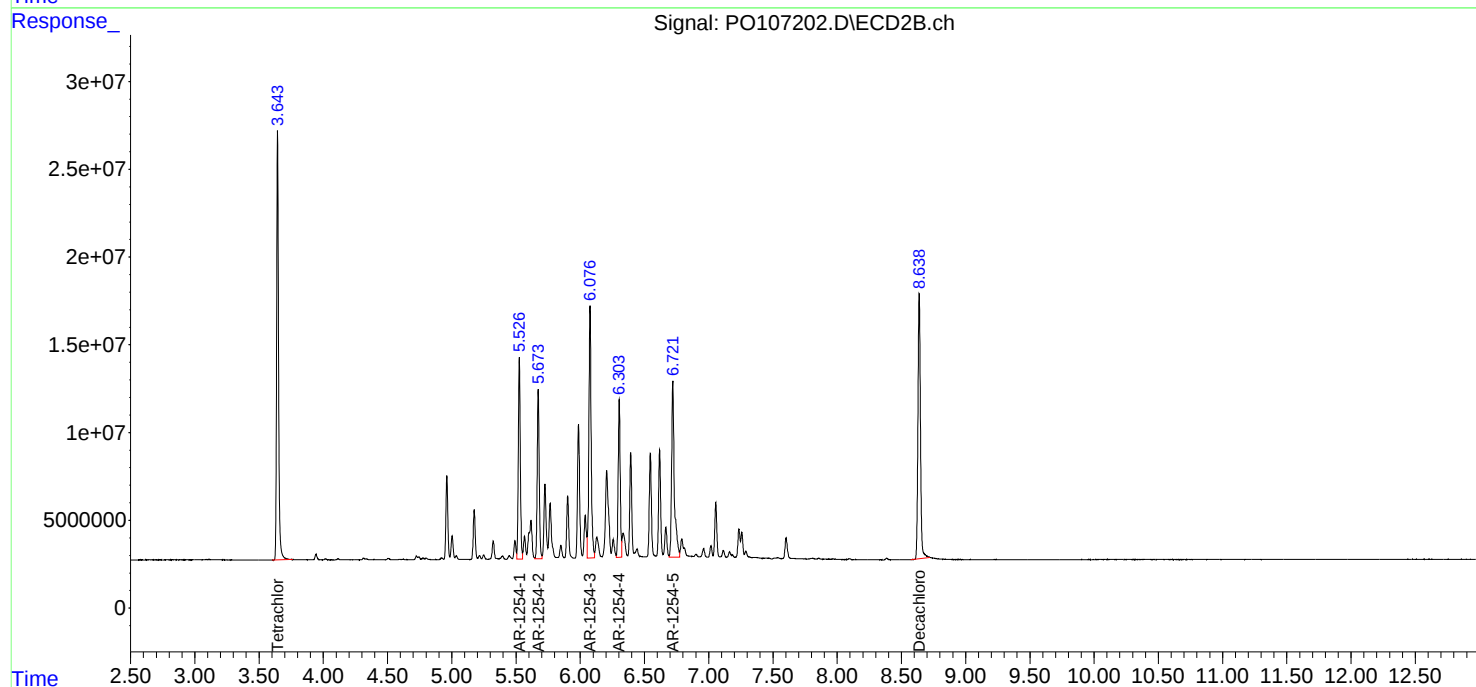
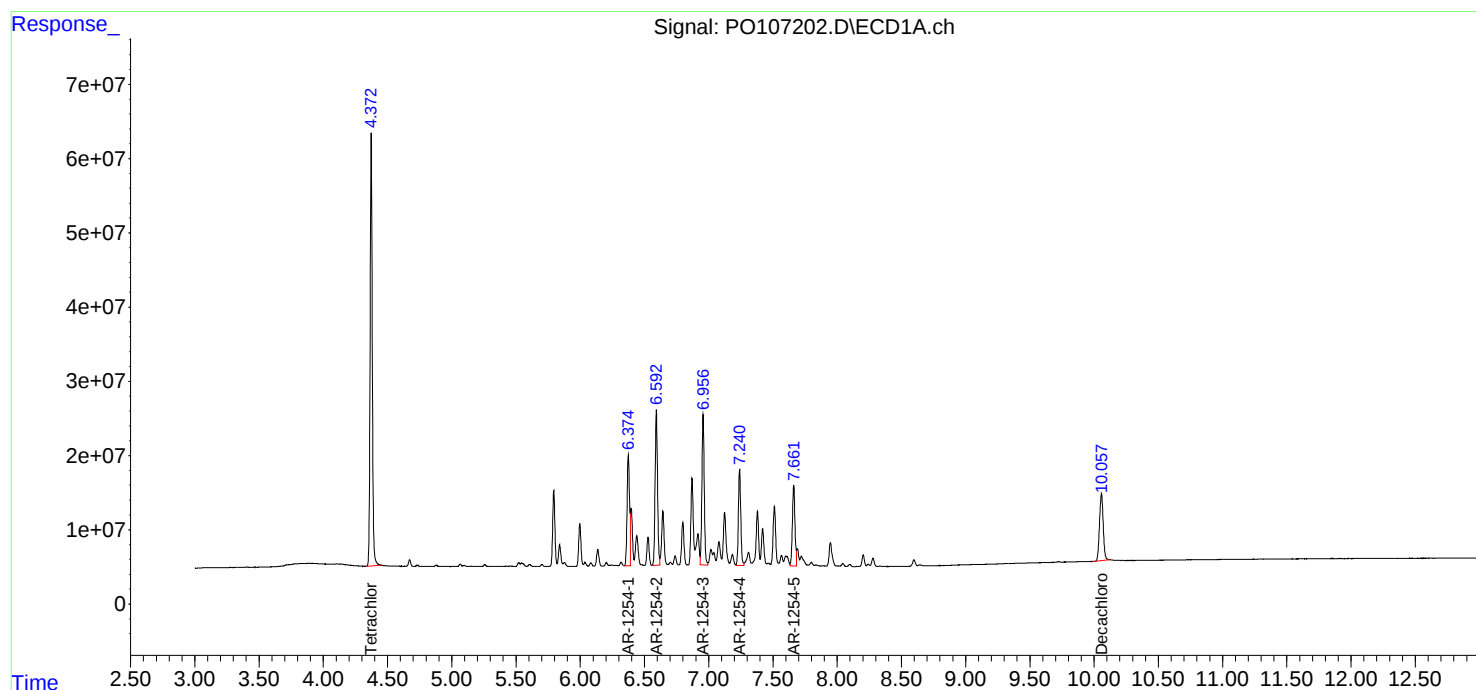
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

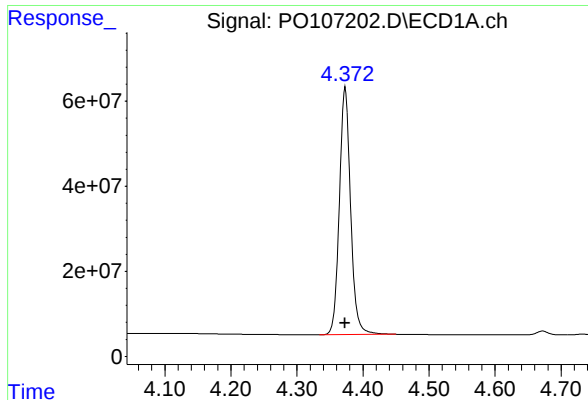
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

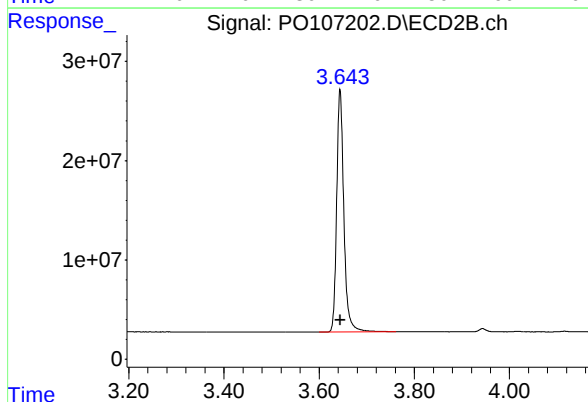




#1 Tetrachloro-m-xylene

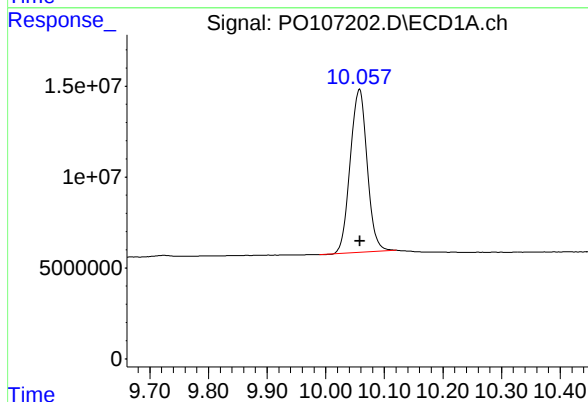
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 687347049
Conc: 74.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



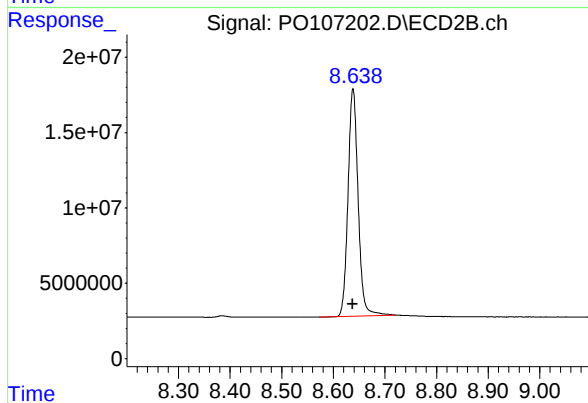
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 254800172
Conc: 75.96 ng/ml



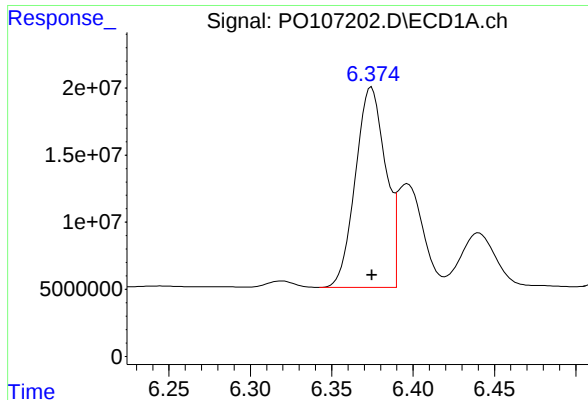
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 180142327
Conc: 71.81 ng/ml



#2 Decachlorobiphenyl

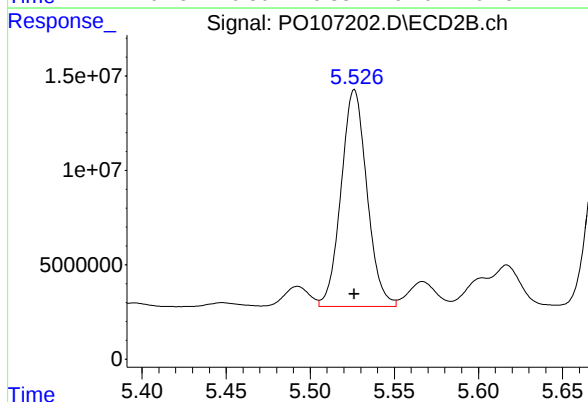
R.T.: 8.638 min
Delta R.T.: 0.001 min
Response: 205364304
Conc: 74.05 ng/ml



#26 AR-1254-1

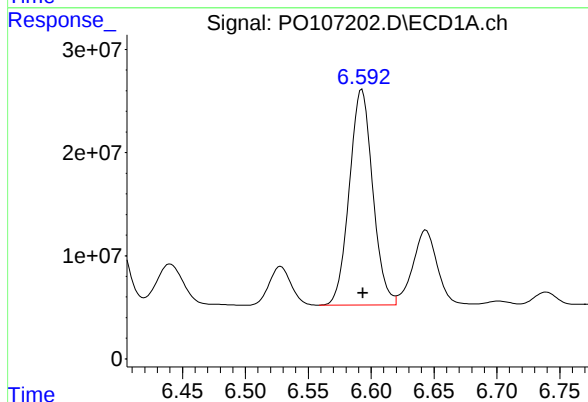
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 192434762
Conc: 726.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



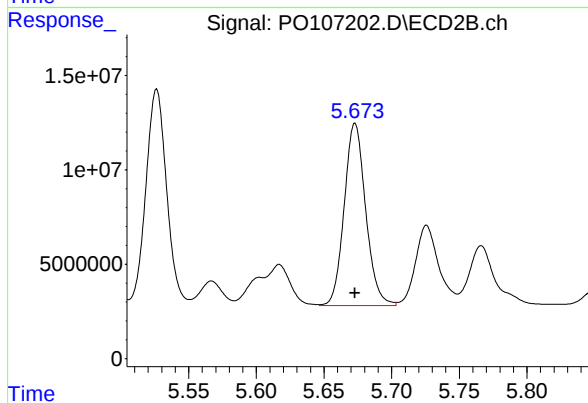
#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 122890903
Conc: 742.33 ng/ml



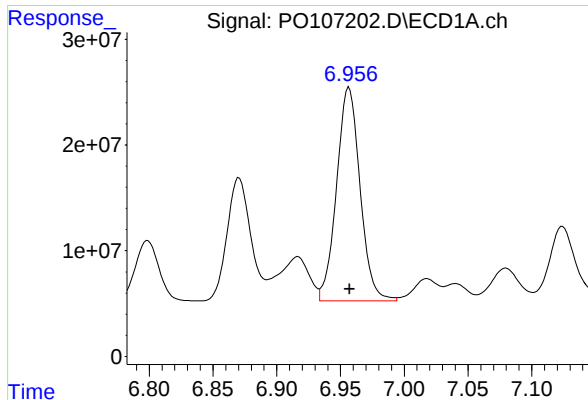
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 271231166
Conc: 727.10 ng/ml



#27 AR-1254-2

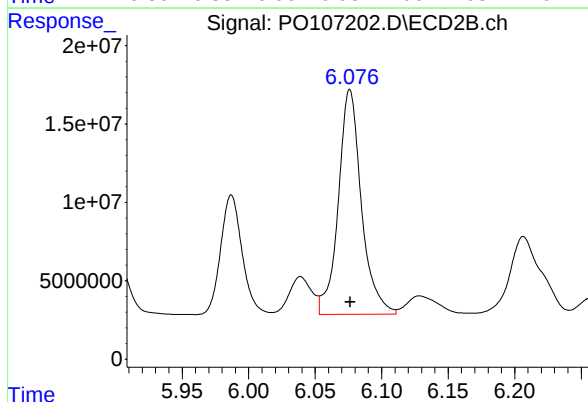
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 106702001
Conc: 738.18 ng/ml



#28 AR-1254-3

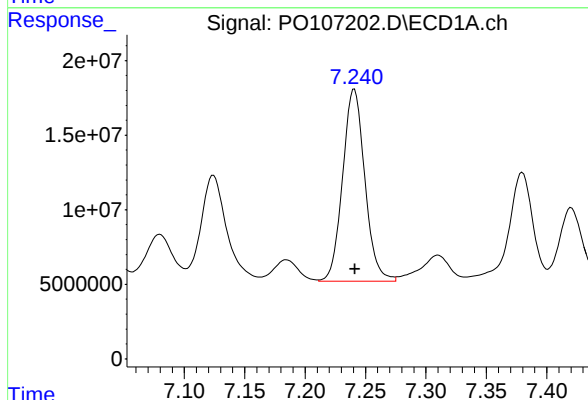
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 259240057
Conc: 728.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254\ICC750



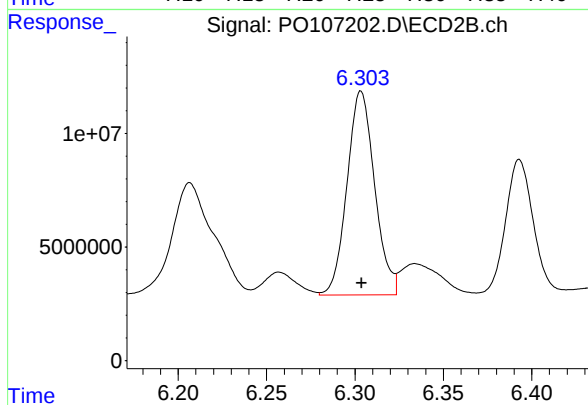
#28 AR-1254-3

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 173539463
Conc: 747.33 ng/ml



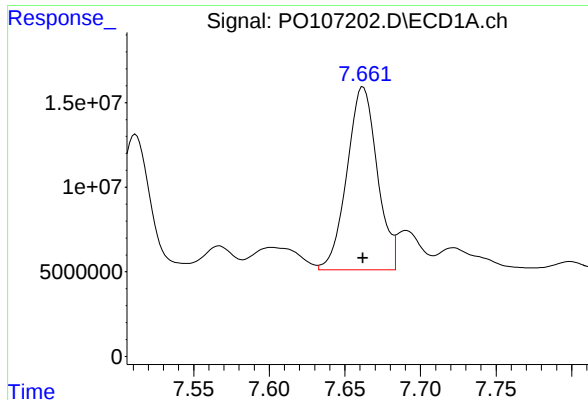
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 165128627
Conc: 726.84 ng/ml



#29 AR-1254-4

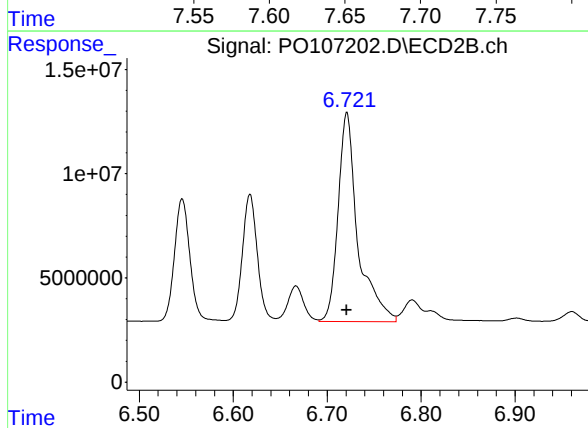
R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 97687474
Conc: 743.86 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 150801906
Conc: 732.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254\ICC750



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 146364864
Conc: 749.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107203.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 00:11
 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: Oct 16 02:22:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	459.2E6	167.7E6	50.000	50.000
2) SA Decachlor...	10.059	8.637	125.4E6	138.7E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.375	5.526	132.5E6	82774166	500.000	500.000
27) L6 AR-1254-2	6.593	5.673	186.5E6	72273461	500.000	500.000
28) L6 AR-1254-3	6.957	6.077	178.0E6	116.1E6	500.000	500.000
29) L6 AR-1254-4	7.241	6.304	113.6E6	65662675	500.000	500.000
30) L6 AR-1254-5	7.662	6.721	102.9E6	97689052	500.000	500.000

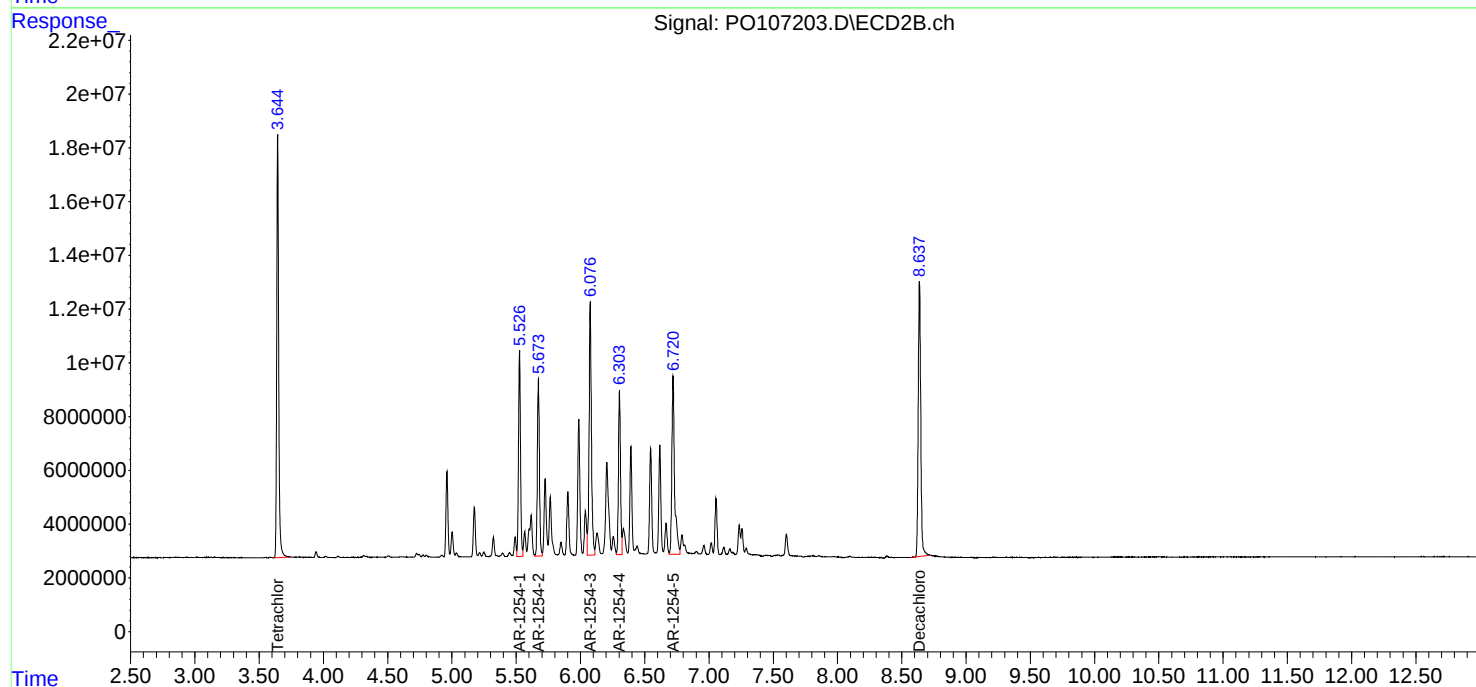
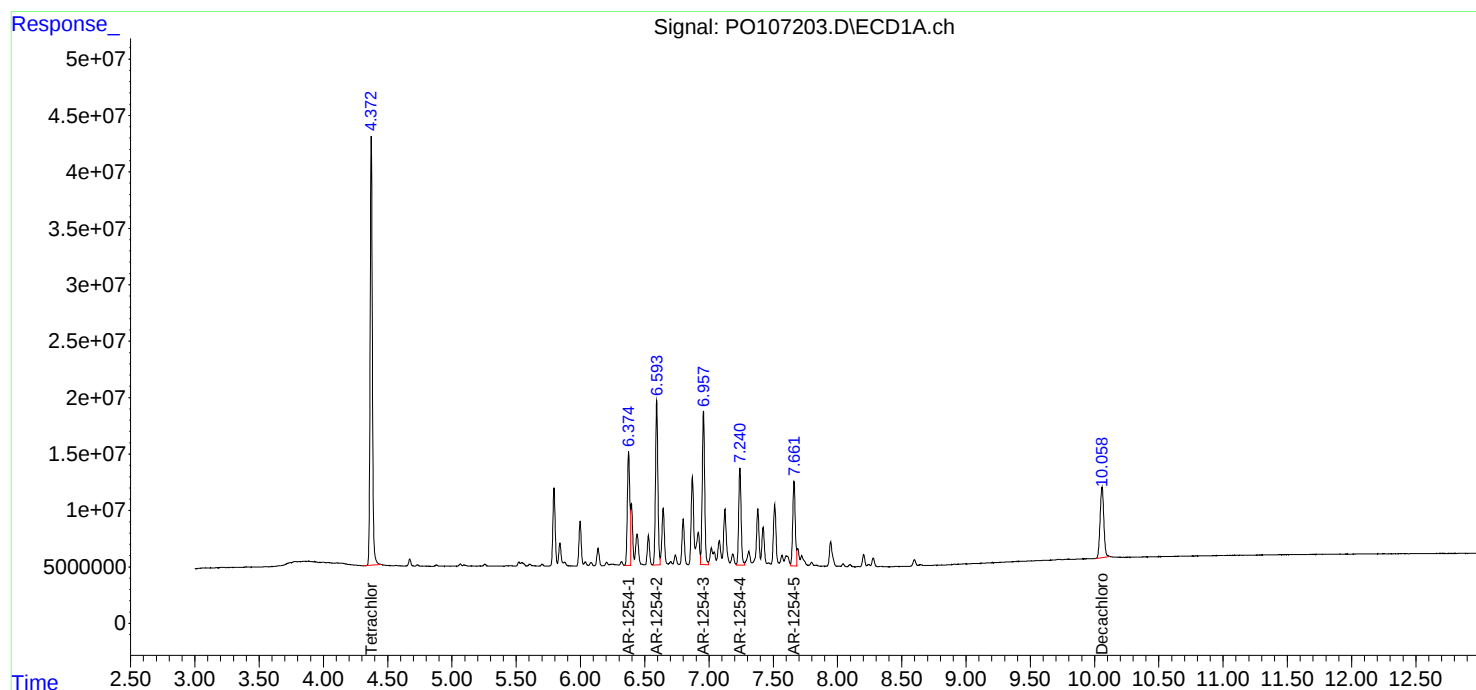
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

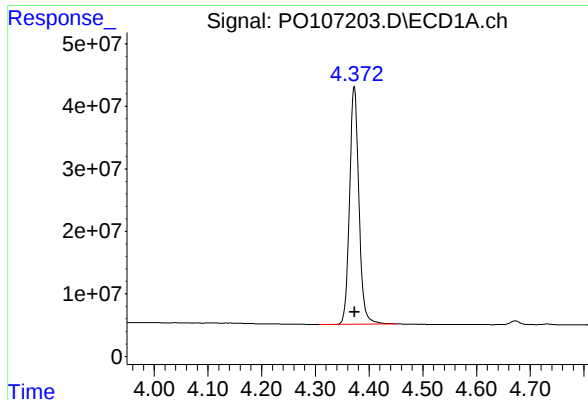
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

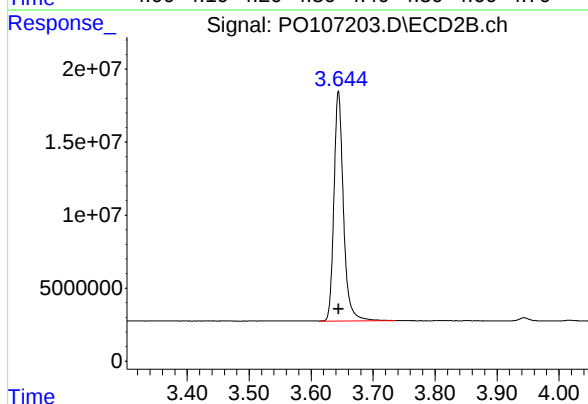




#1 Tetrachloro-m-xylene

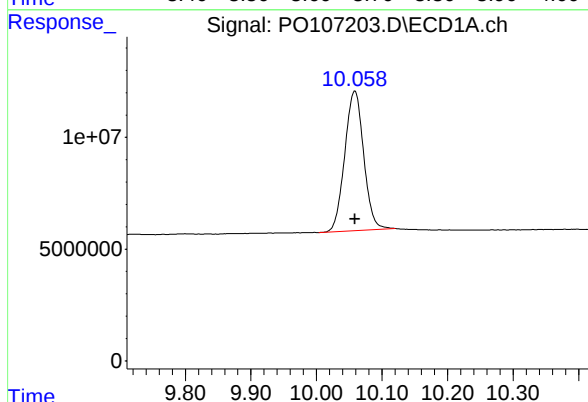
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 459218453
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



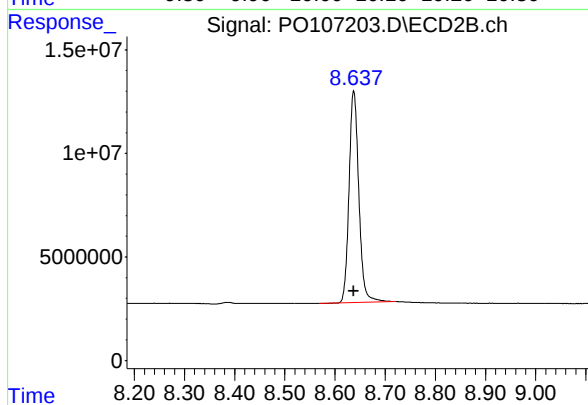
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 167712333
Conc: 50.00 ng/ml



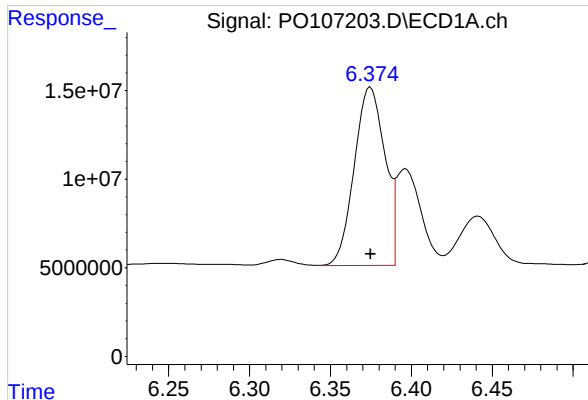
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 125429700
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

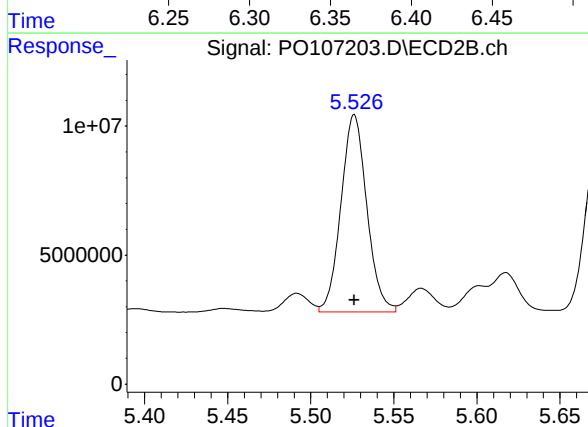
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 138672356
Conc: 50.00 ng/ml



#26 AR-1254-1

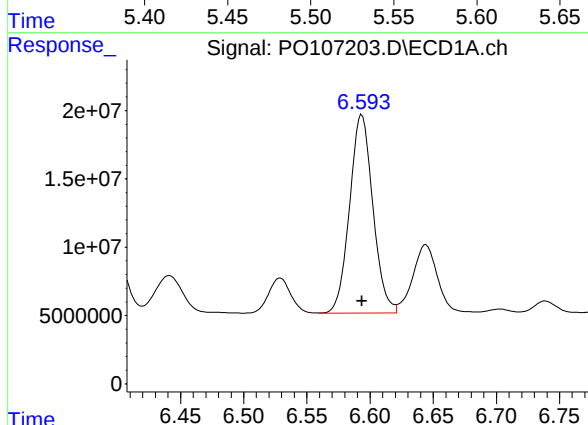
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 132496121
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



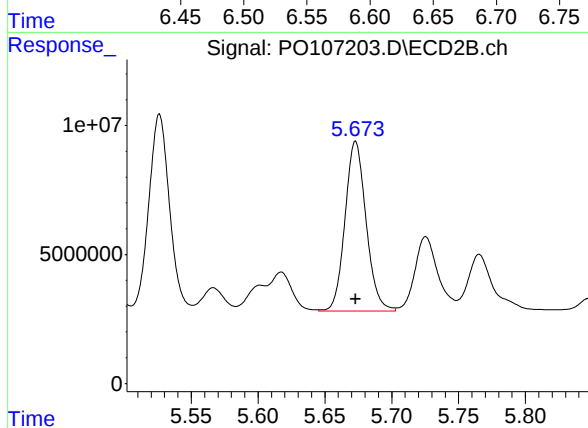
#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 82774166
Conc: 500.00 ng/ml



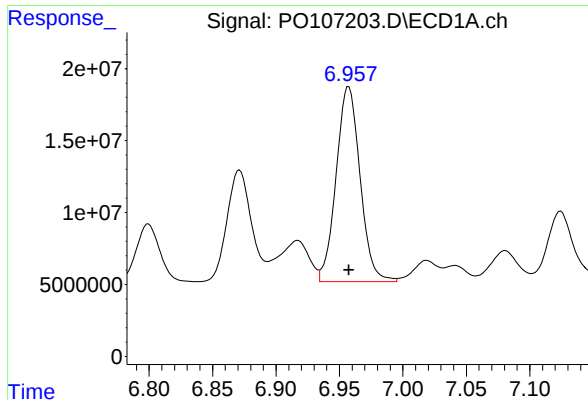
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 186515619
Conc: 500.00 ng/ml



#27 AR-1254-2

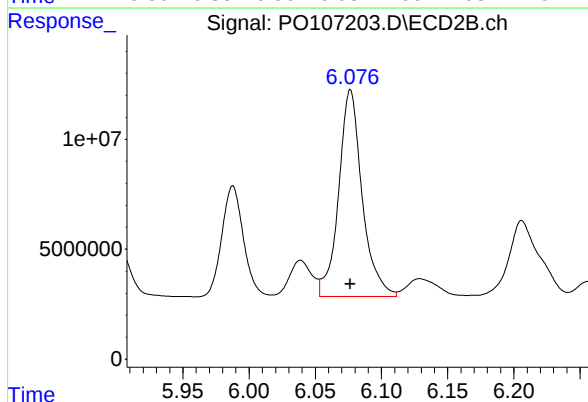
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 72273461
Conc: 500.00 ng/ml



#28 AR-1254-3

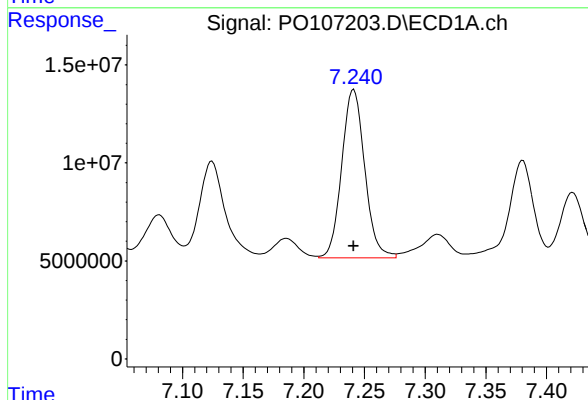
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 177954653
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



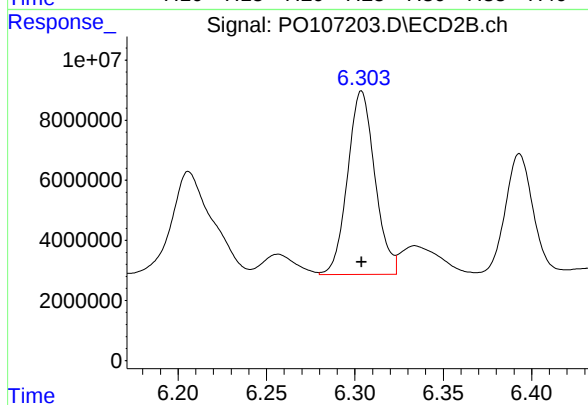
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 116106703
Conc: 500.00 ng/ml



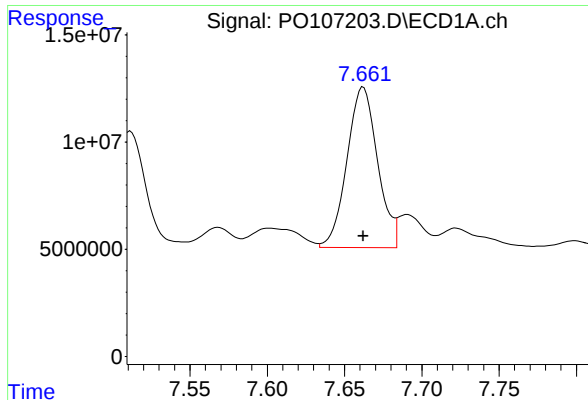
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 113593844
Conc: 500.00 ng/ml



#29 AR-1254-4

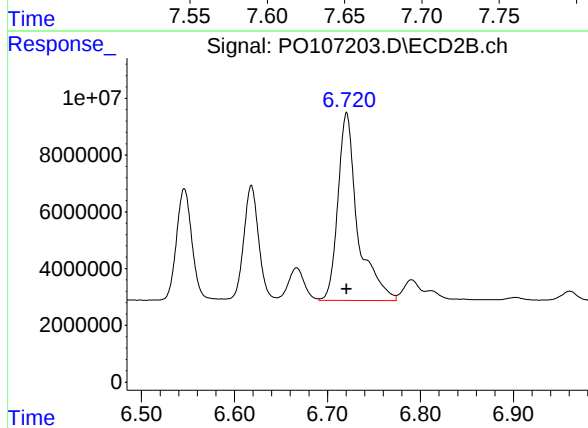
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 65662675
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 102934514
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 97689052
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107204.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 00:29
 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: Oct 16 02:23:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	237.7E6	84055907	25.883	25.060
2) SA Decachlor...	10.058	8.638	65039455	70920394	25.927	25.571
Target Compounds						
26) L6 AR-1254-1	6.374	5.527	71547490	42929426	269.998	259.317
27) L6 AR-1254-2	6.593	5.674	100.3E6	37831493	268.904	261.725
28) L6 AR-1254-3	6.956	6.078	94624615	59643812	265.867	256.849
29) L6 AR-1254-4	7.241	6.305	60632555	33801761	266.883	257.389
30) L6 AR-1254-5	7.662	6.721	55034918	50297216	267.330	257.435

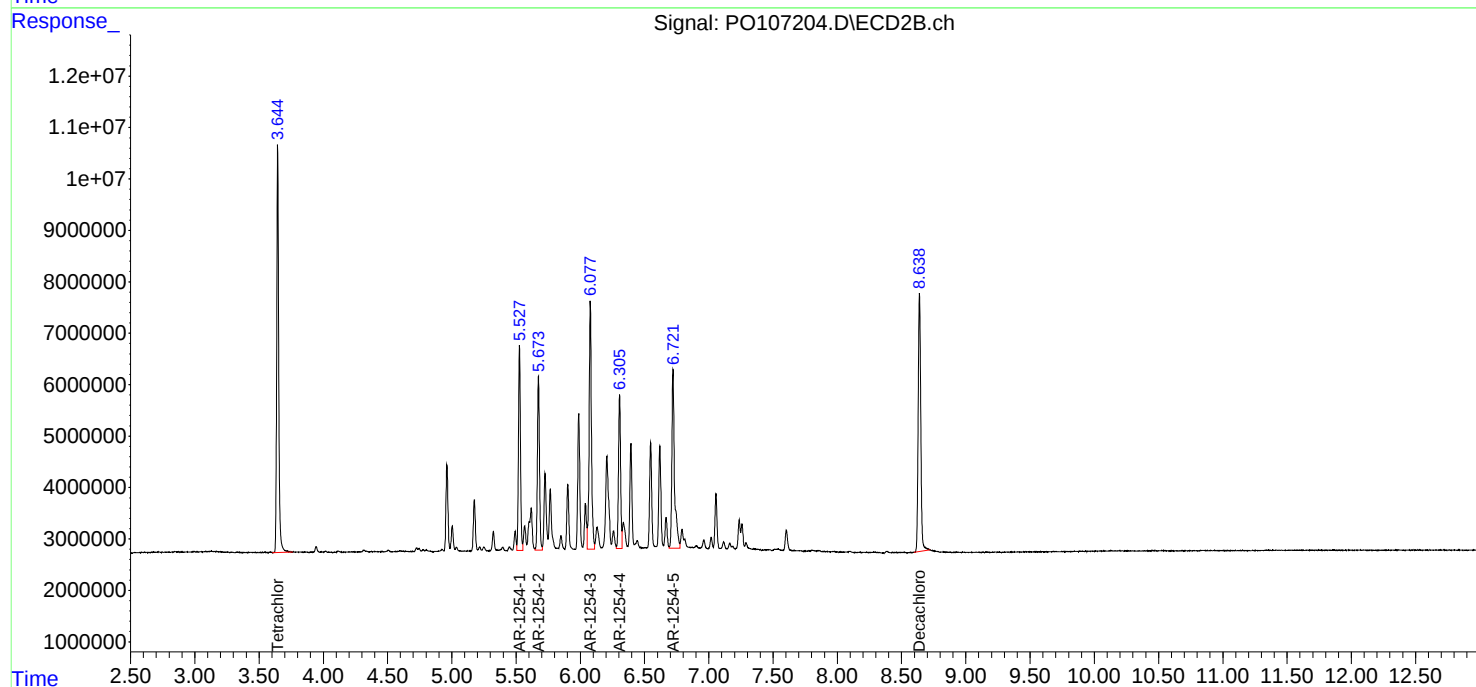
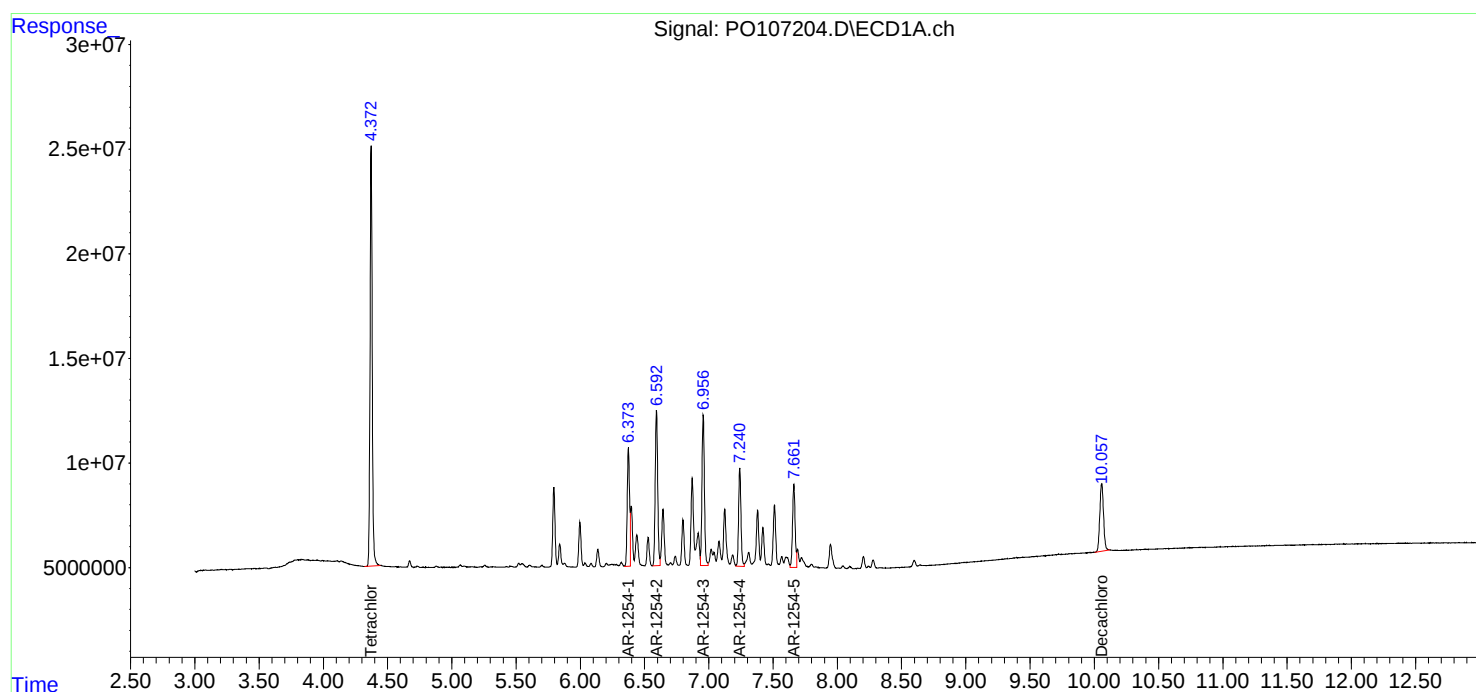
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

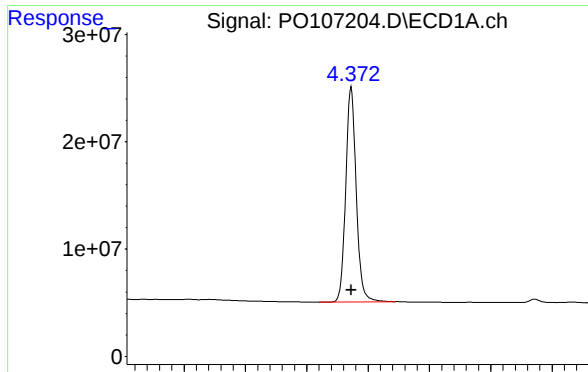
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

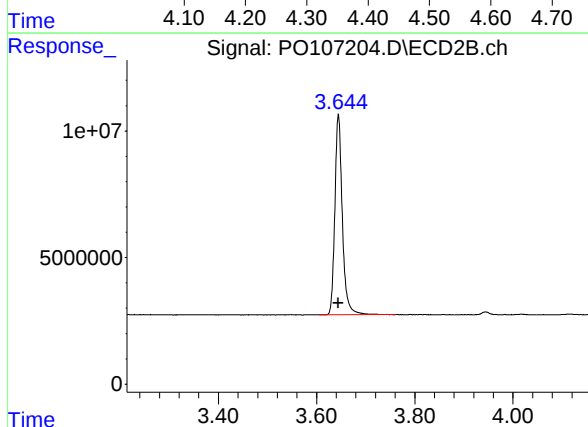




#1 Tetrachloro-m-xylene

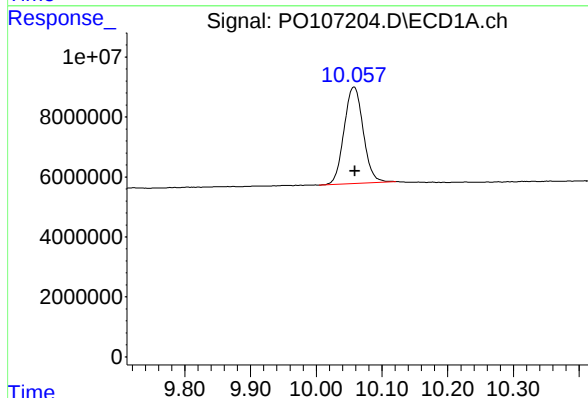
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 237720712
Conc: 25.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



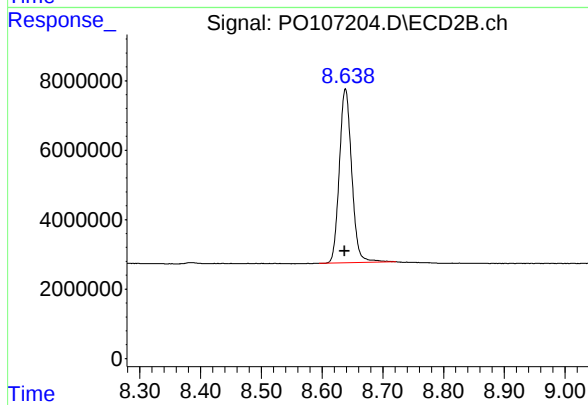
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 84055907
Conc: 25.06 ng/ml



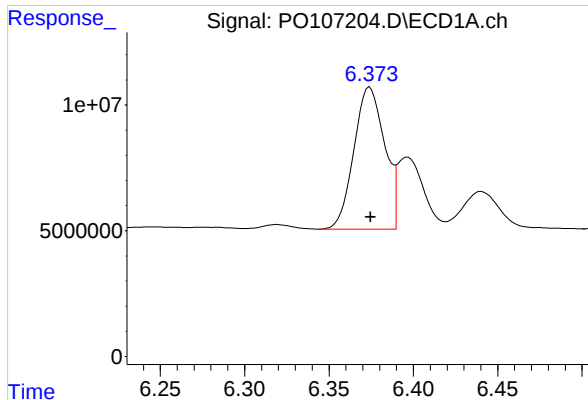
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 65039455
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

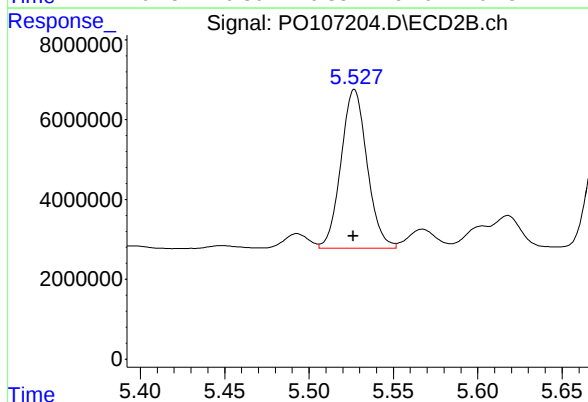
R.T.: 8.638 min
Delta R.T.: 0.001 min
Response: 70920394
Conc: 25.57 ng/ml



#26 AR-1254-1

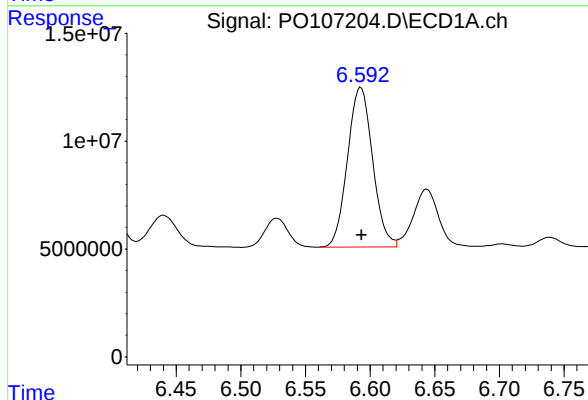
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 71547490
Conc: 270.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



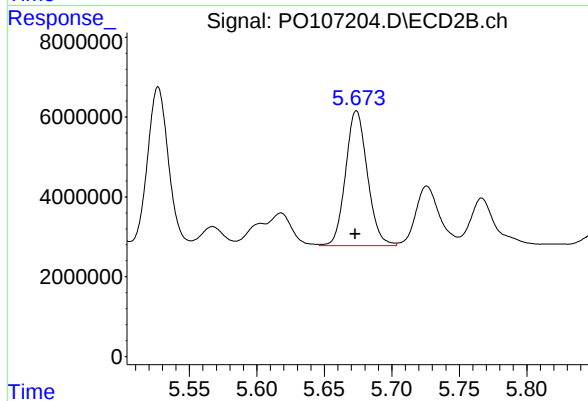
#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 42929426
Conc: 259.32 ng/ml



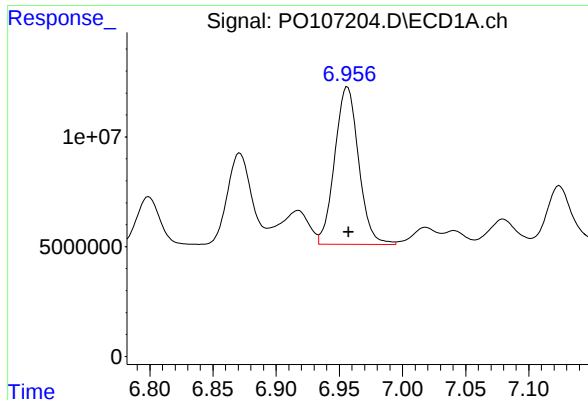
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 100309495
Conc: 268.90 ng/ml



#27 AR-1254-2

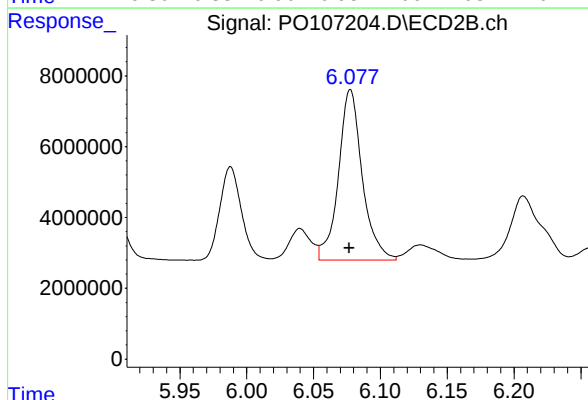
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 37831493
Conc: 261.72 ng/ml



#28 AR-1254-3

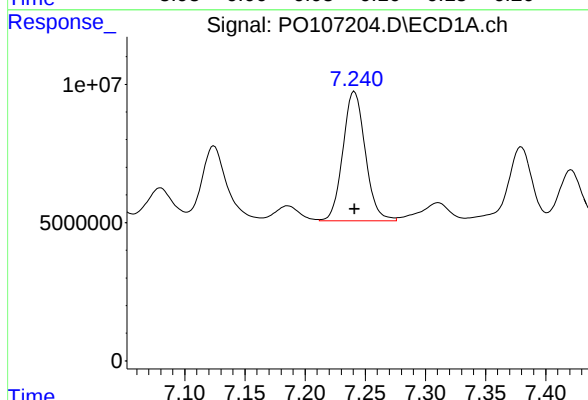
R.T.: 6.956 min
Delta R.T.: 0.000 min
Response: 94624615
Conc: 265.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



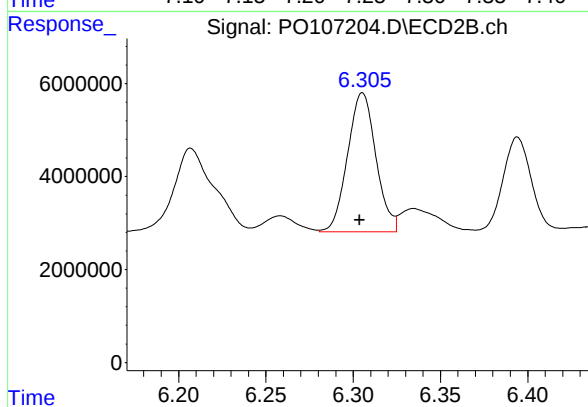
#28 AR-1254-3

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 59643812
Conc: 256.85 ng/ml



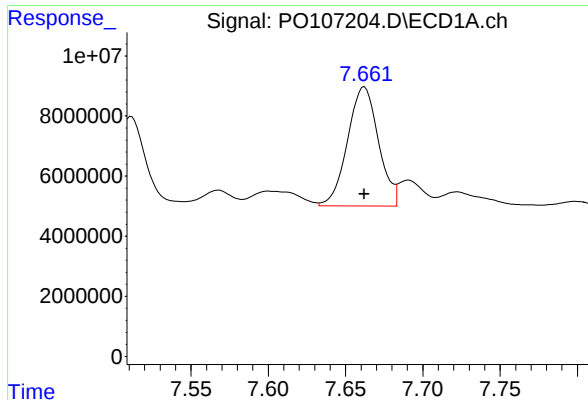
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 60632555
Conc: 266.88 ng/ml



#29 AR-1254-4

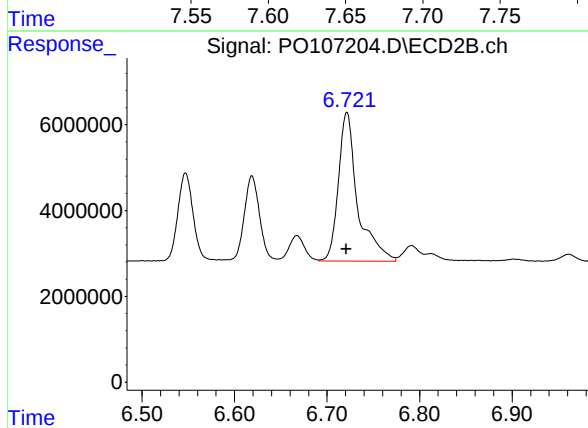
R.T.: 6.305 min
Delta R.T.: 0.002 min
Response: 33801761
Conc: 257.39 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 55034918
Conc: 267.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 50297216
Conc: 257.44 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107205.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 00:47
 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: Oct 16 02:23:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	43957547	14653198	4.786	4.369
2) SA Decachlor...	10.057	8.638	11796837	12993699	4.703	4.685
Target Compounds						
26) L6 AR-1254-1	6.375	5.527	14457853	8148243	54.560	49.220
27) L6 AR-1254-2	6.593	5.674	20149788	7410157	54.016	51.265
28) L6 AR-1254-3	6.956	6.077	18631522	10943354	52.349	47.126
29) L6 AR-1254-4	7.241	6.304	12202348	6104594	53.710	46.485
30) L6 AR-1254-5	7.662	6.721	10827332	8581830	52.593	43.924

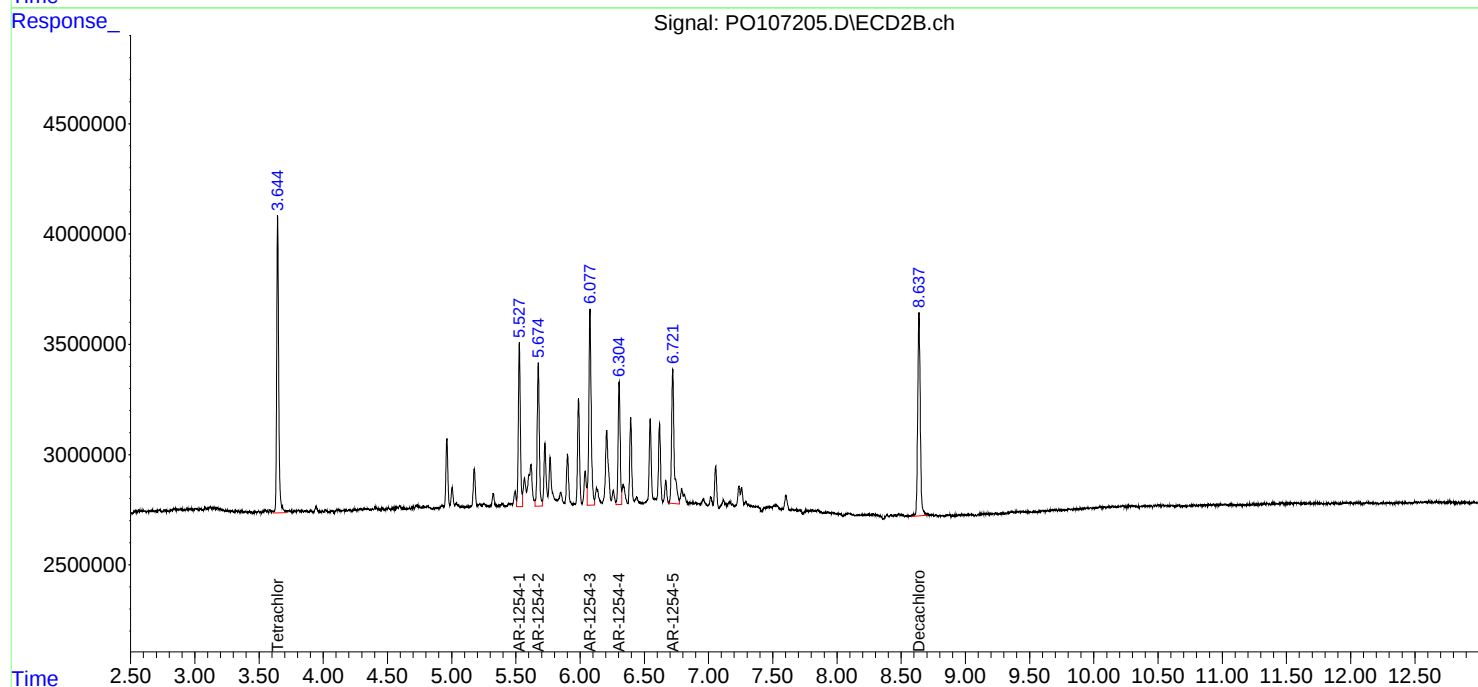
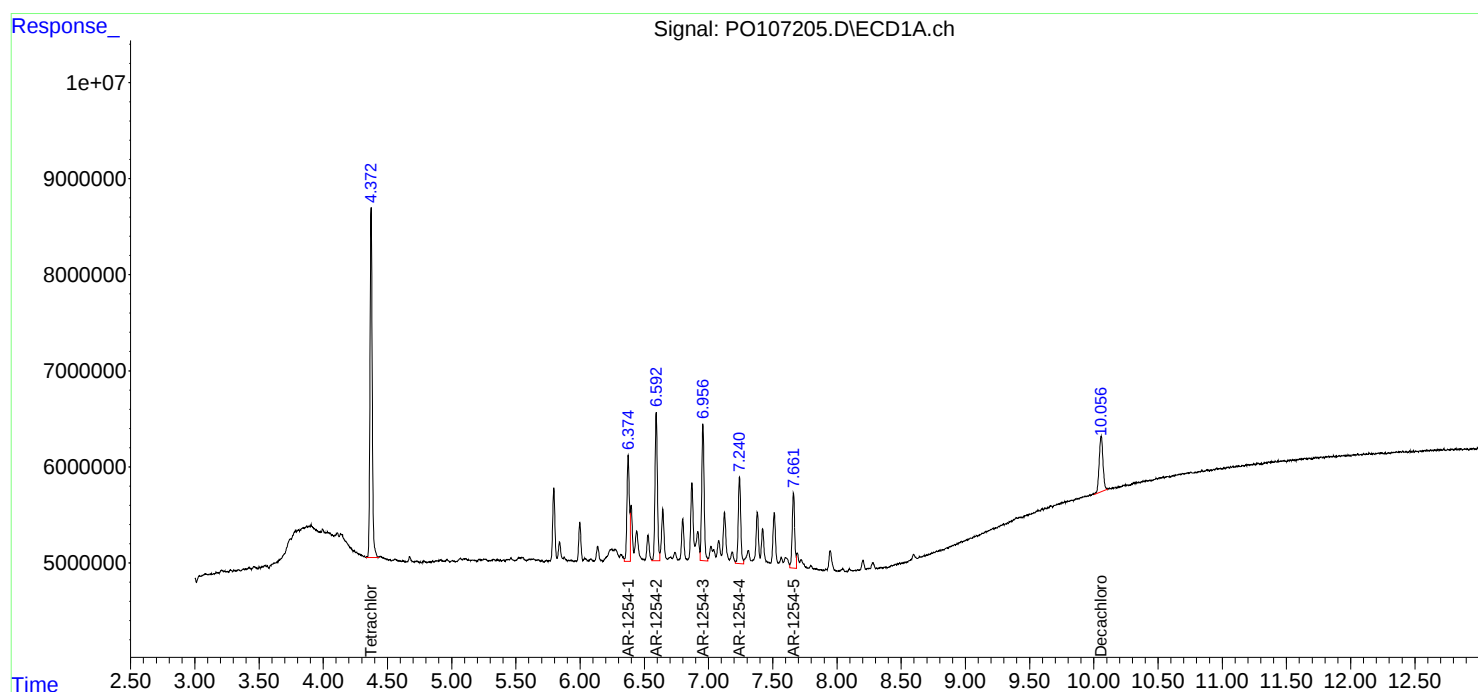
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

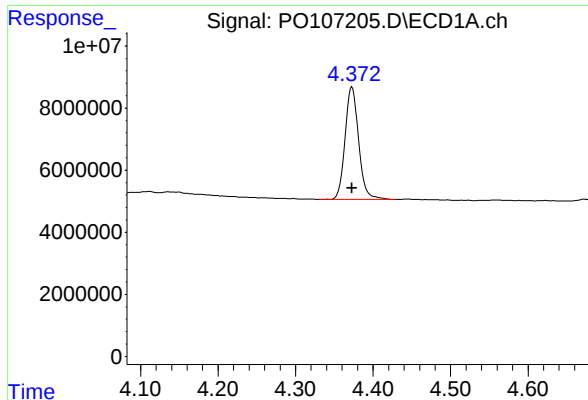
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

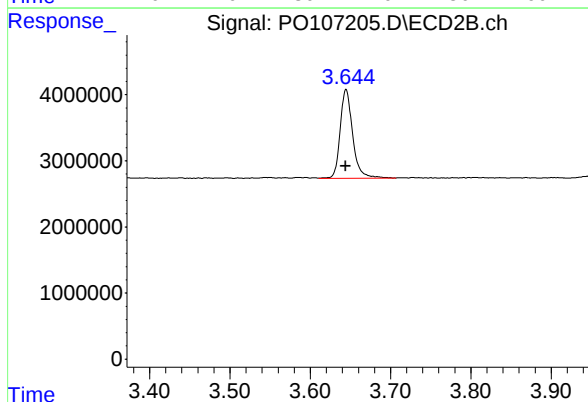




#1 Tetrachloro-m-xylene

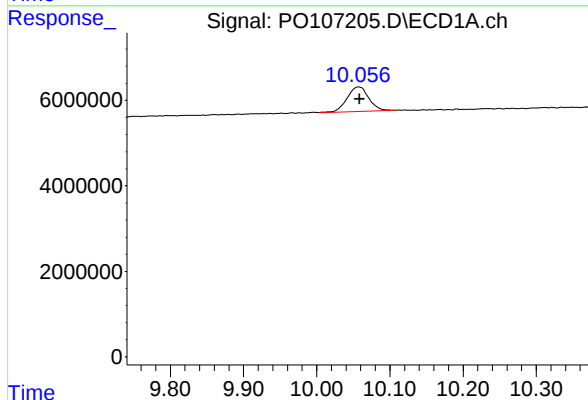
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 43957547
Conc: 4.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



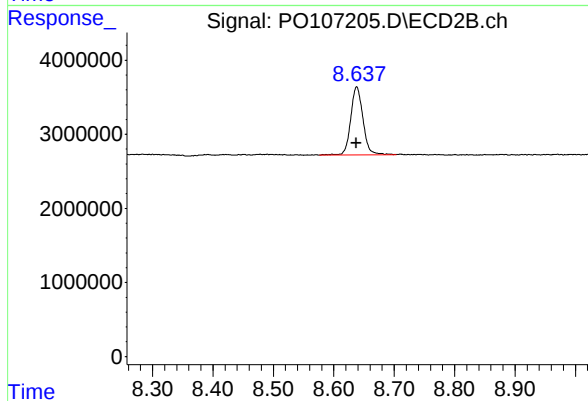
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 14653198
Conc: 4.37 ng/ml



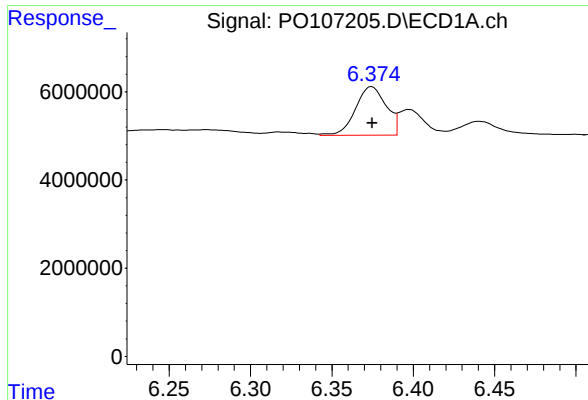
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 11796837
Conc: 4.70 ng/ml



#2 Decachlorobiphenyl

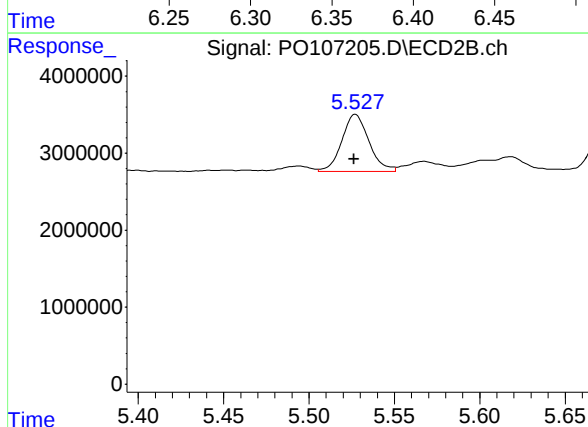
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 12993699
Conc: 4.69 ng/ml



#26 AR-1254-1

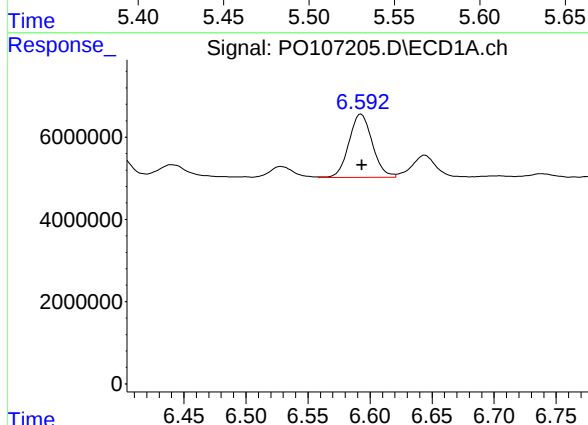
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 14457853
Conc: 54.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



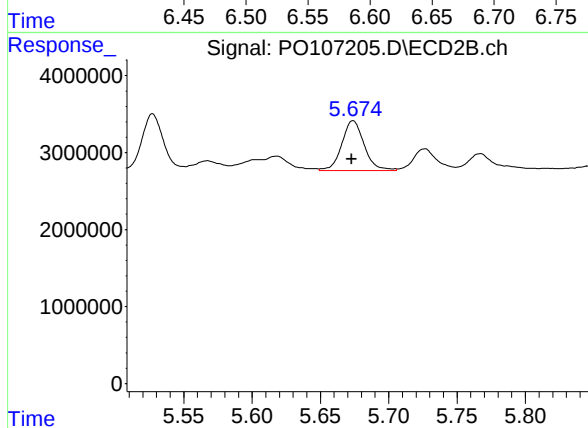
#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 8148243
Conc: 49.22 ng/ml



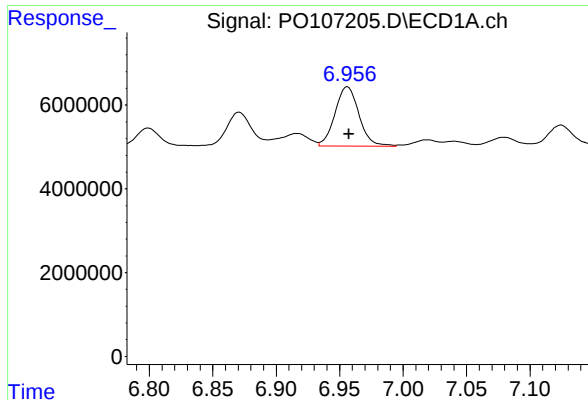
#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 20149788
Conc: 54.02 ng/ml



#27 AR-1254-2

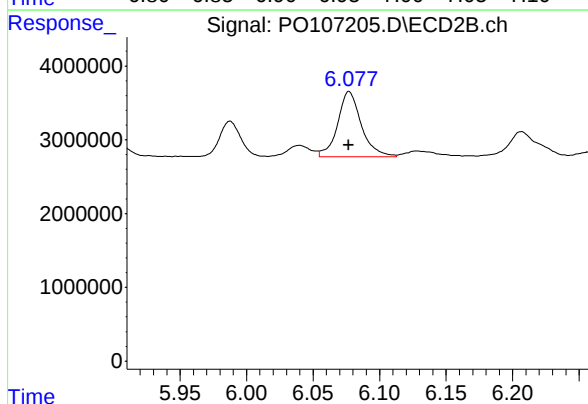
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 7410157
Conc: 51.26 ng/ml



#28 AR-1254-3

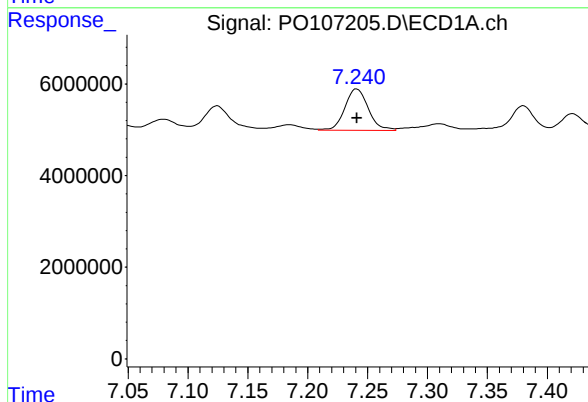
R.T.: 6.956 min
Delta R.T.: -0.001 min
Response: 18631522
Conc: 52.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



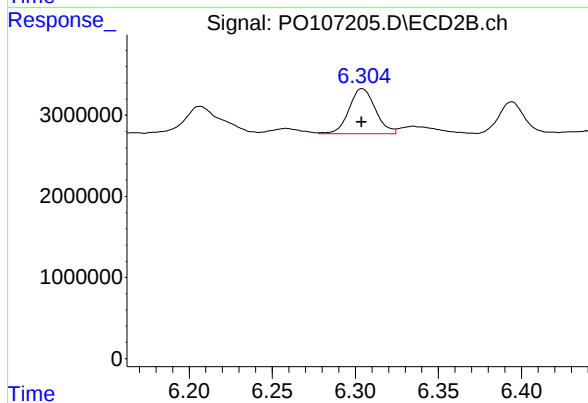
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 10943354
Conc: 47.13 ng/ml



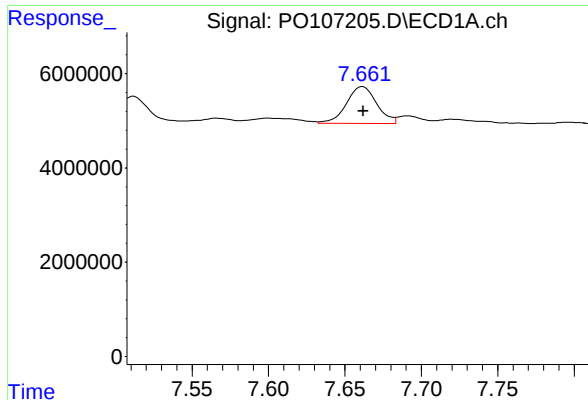
#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 12202348
Conc: 53.71 ng/ml



#29 AR-1254-4

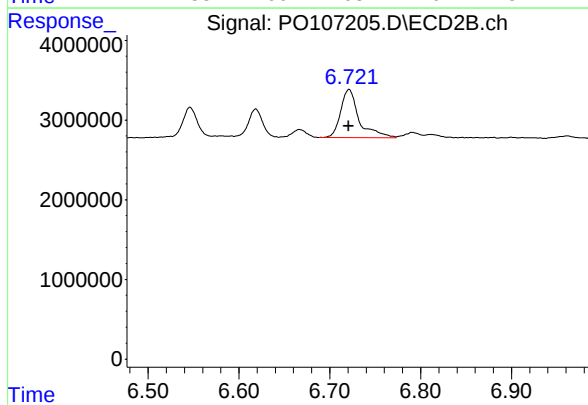
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 6104594
Conc: 46.48 ng/ml



#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 10827332
Conc: 52.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 8581830
Conc: 43.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107206.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:05
 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: Oct 16 02:32:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:31:54 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	446.6E6	163.0E6	50.000	50.000
2) SA Decachlor...	10.059	8.638	123.1E6	135.8E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	7.742	6.759	122.8E6	106.4E6	500.000	500.000
37) L8 AR-1262-2	8.279	7.258	154.7E6	181.7E6	500.000	500.000
38) L8 AR-1262-3	8.592	7.541	104.6E6	68691960	500.000	500.000
39) L8 AR-1262-4	8.677	7.605	81533074	132.3E6	500.000	500.000
40) L8 AR-1262-5	9.315	8.096	51381891	56416259	500.000	500.000

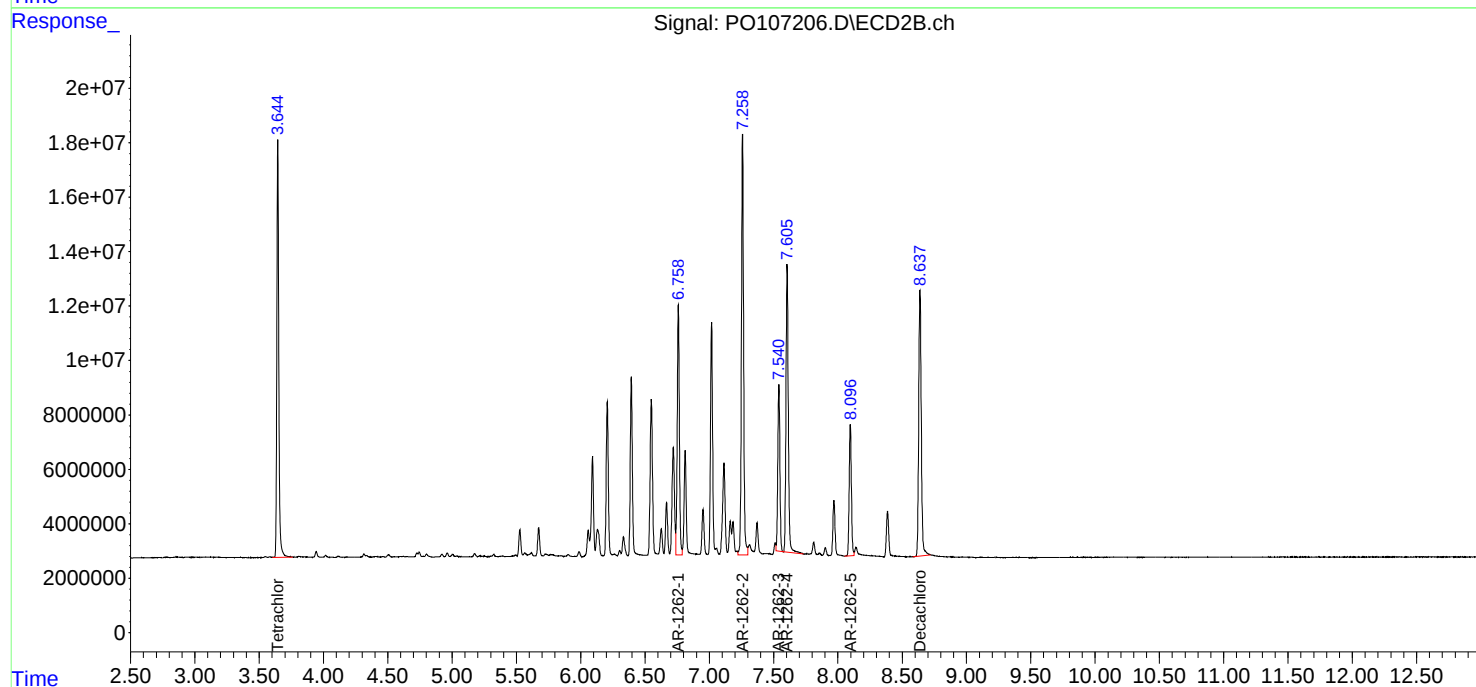
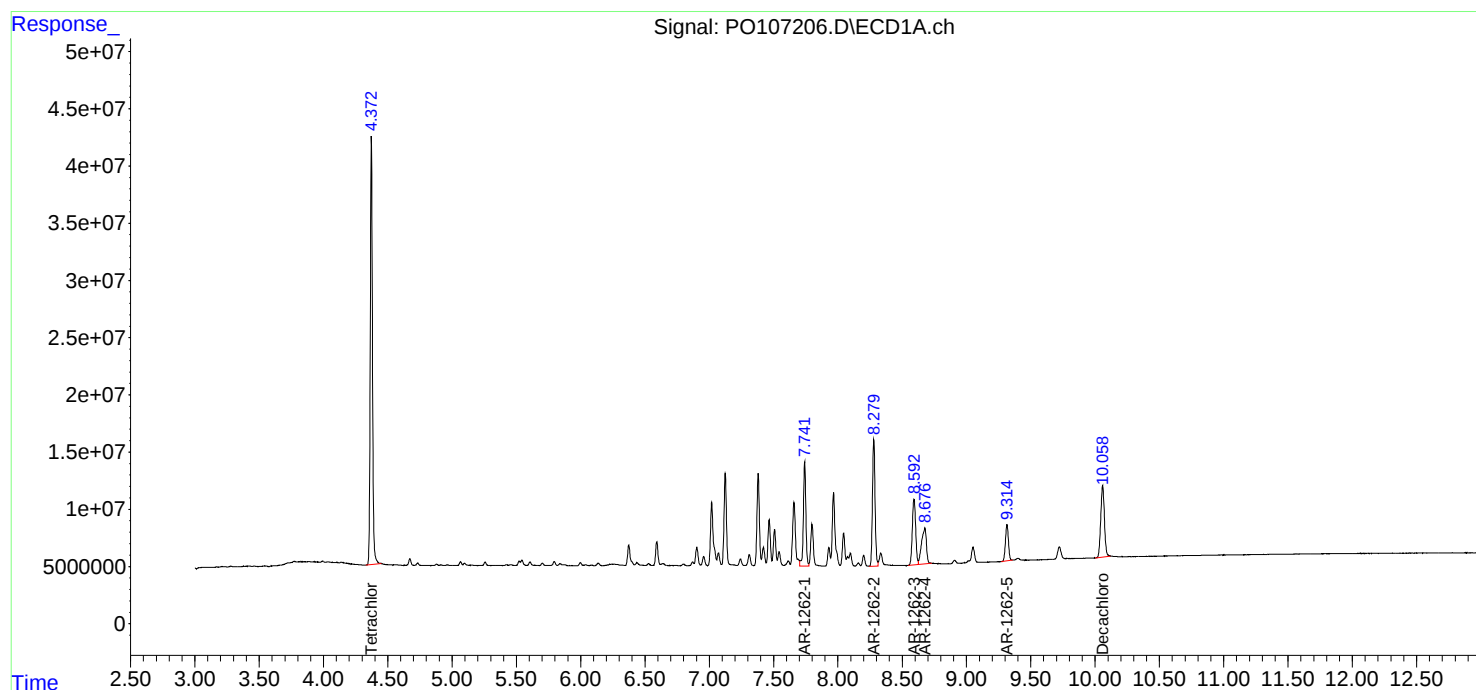
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

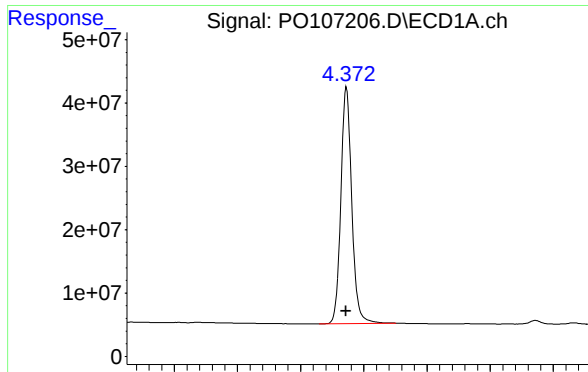
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 2024
Response via : 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

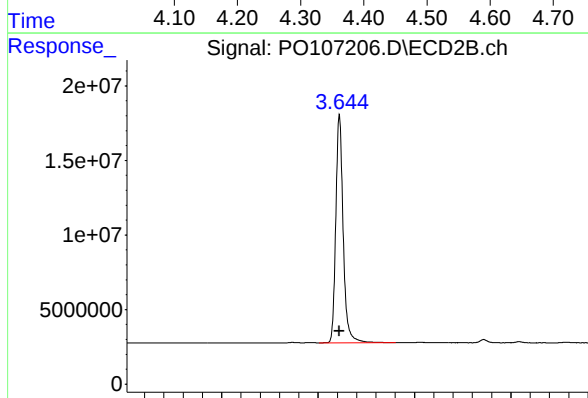




#1 Tetrachloro-m-xylene

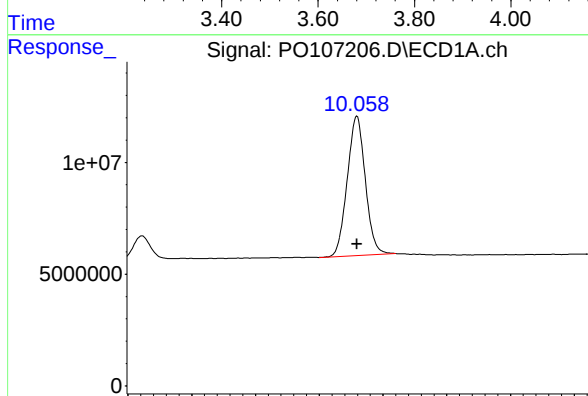
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 446564970
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



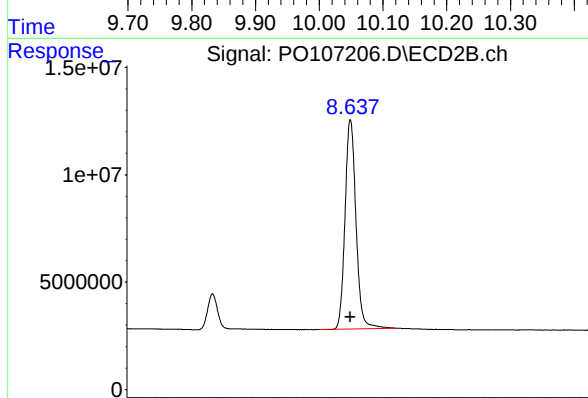
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 162970994
Conc: 50.00 ng/ml



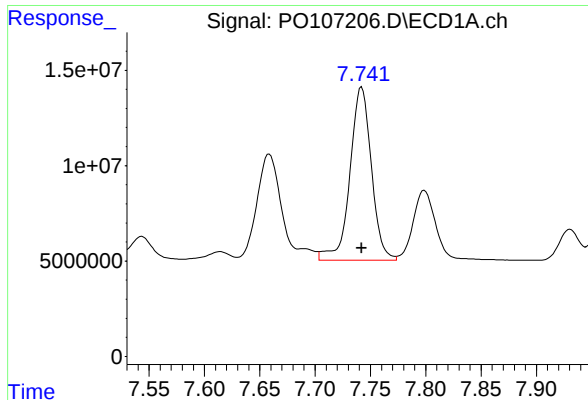
#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 123083673
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

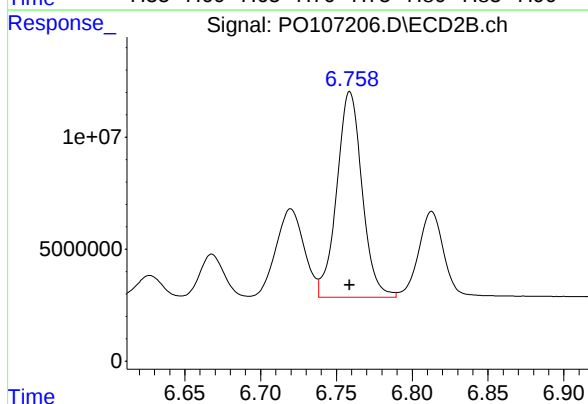
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 135774675
Conc: 50.00 ng/ml



#36 AR-1262-1

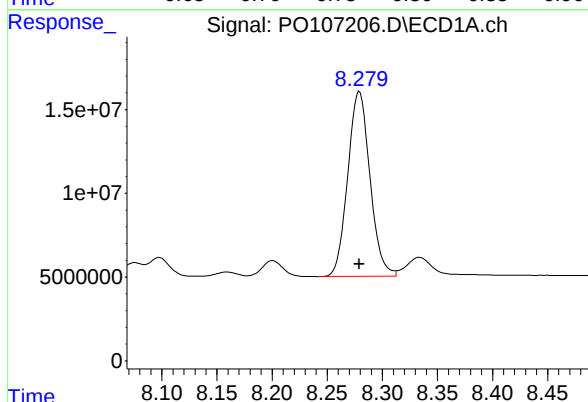
R.T.: 7.742 min
Delta R.T.: 0.000 min
Response: 122774056
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



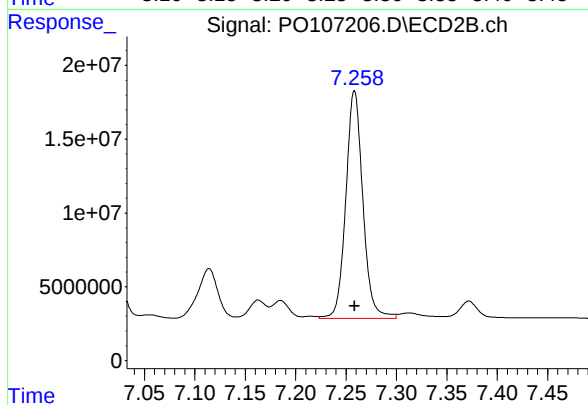
#36 AR-1262-1

R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 106438453
Conc: 500.00 ng/ml



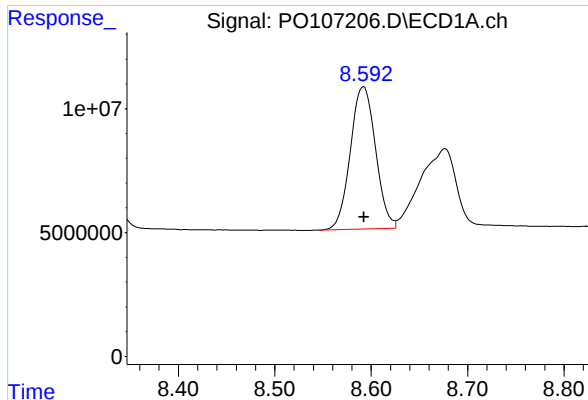
#37 AR-1262-2

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 154709728
Conc: 500.00 ng/ml



#37 AR-1262-2

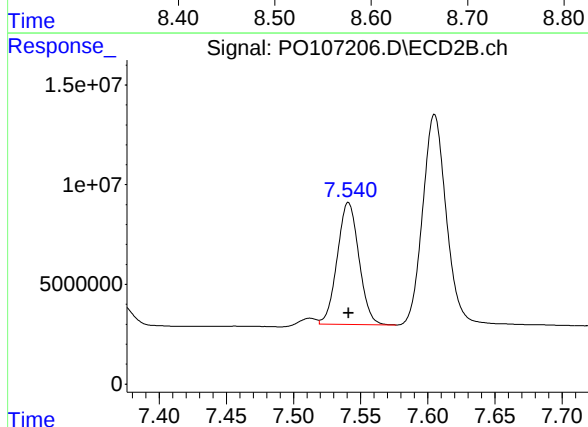
R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 181666310
Conc: 500.00 ng/ml



#38 AR-1262-3

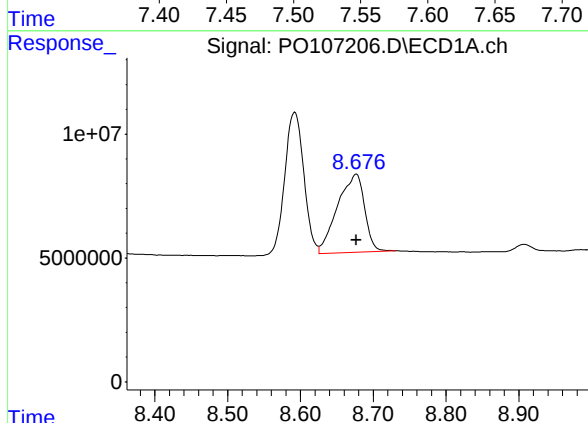
R.T.: 8.592 min
Delta R.T.: 0.000 min
Response: 104598174
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



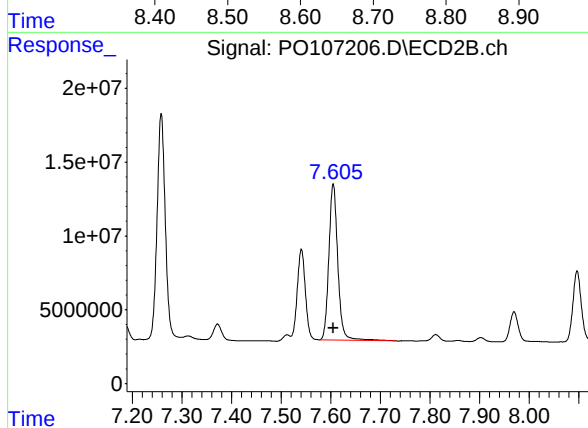
#38 AR-1262-3

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 68691960
Conc: 500.00 ng/ml



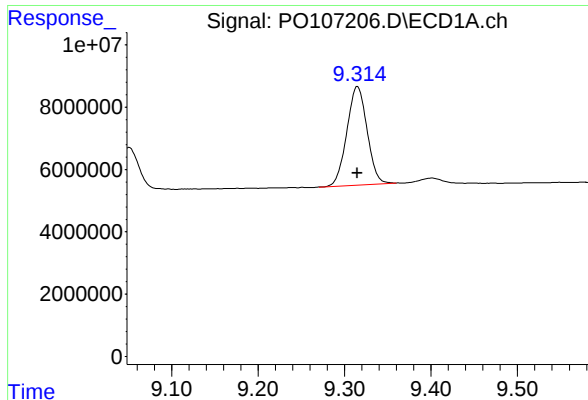
#39 AR-1262-4

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 81533074
Conc: 500.00 ng/ml



#39 AR-1262-4

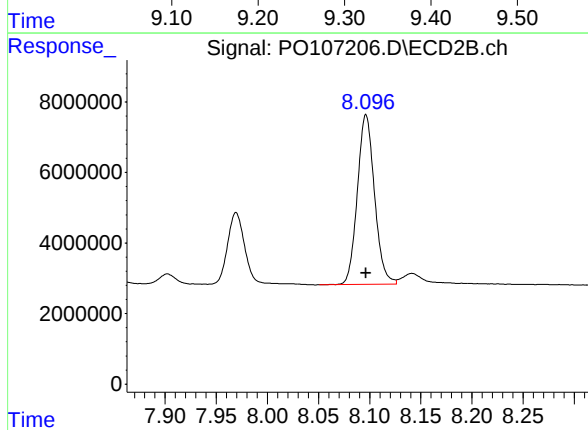
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 132286878
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.315 min
Delta R.T.: 0.000 min
Response: 51381891
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 56416259
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107207.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:23
 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: Oct 16 02:40:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	914.0E6	344.0E6	98.153	100.708
2) SA Decachlor...	10.057	8.639	407.4E6	487.4E6	96.045	101.044
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	351.9E6	419.2E6	965.004	1012.873
42) L9 AR-1268-2	8.679	7.606	313.1E6	389.7E6	963.780	1016.048
43) L9 AR-1268-3	8.907	7.812	272.2E6	345.3E6	963.260	1016.931
44) L9 AR-1268-4	9.313	8.097	112.2E6	129.1E6	978.396	1014.319
45) L9 AR-1268-5	9.721	8.386	836.7E6	1049.2E6	987.735	1031.617

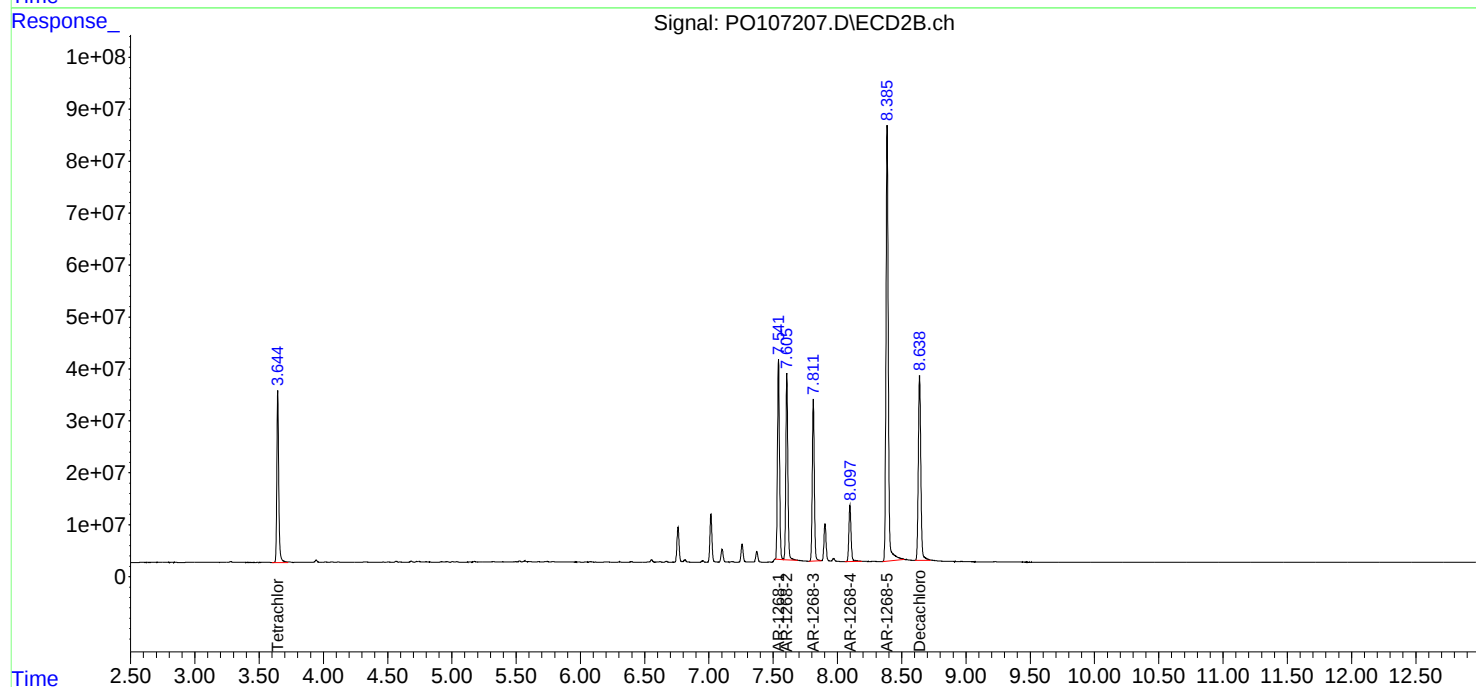
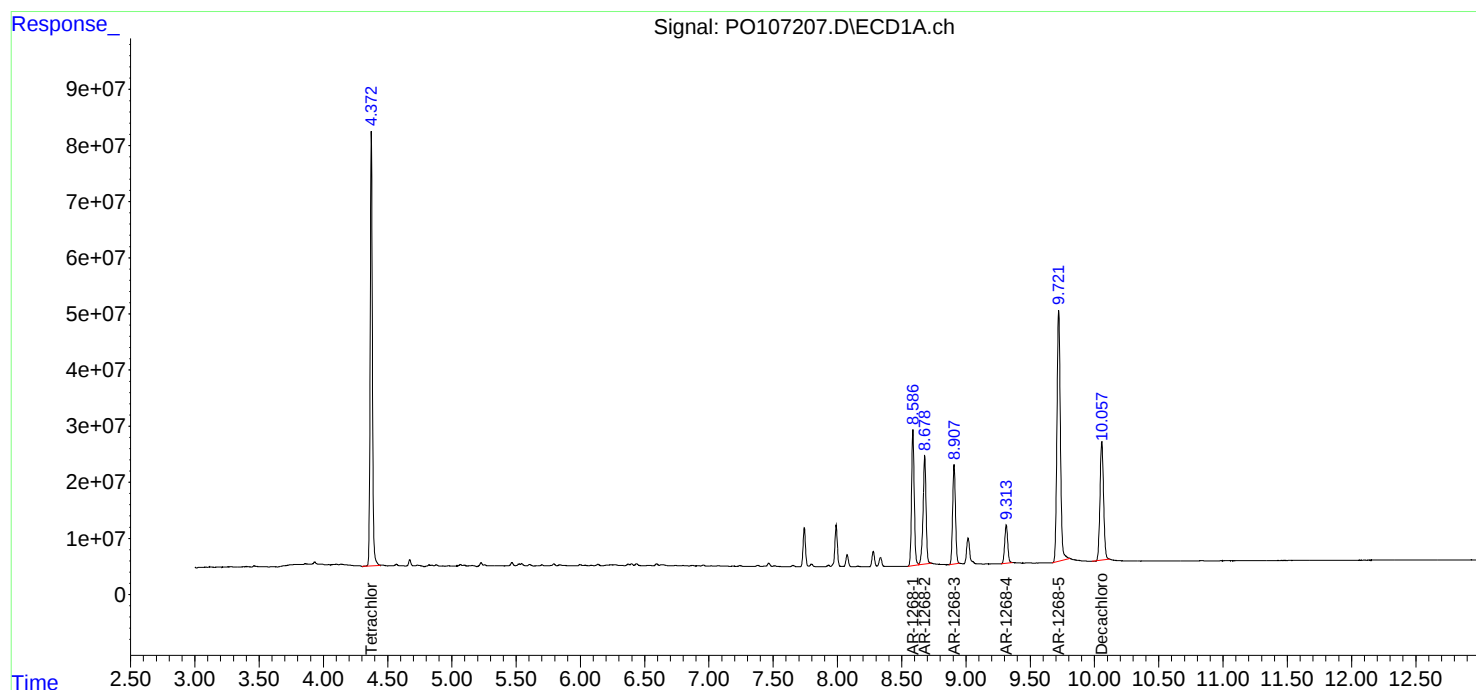
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

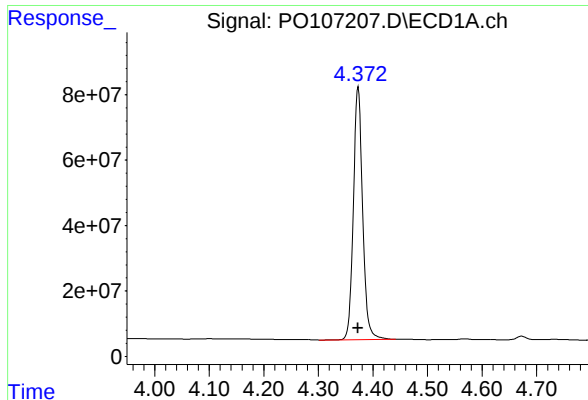
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

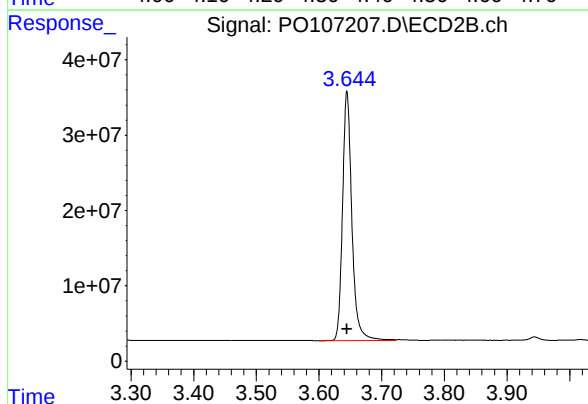




#1 Tetrachloro-m-xylene

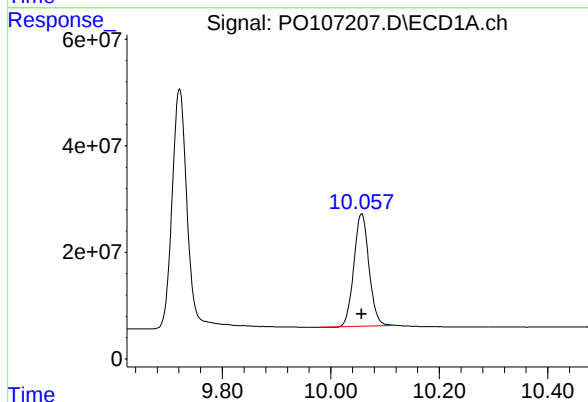
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 913960146
Conc: 98.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



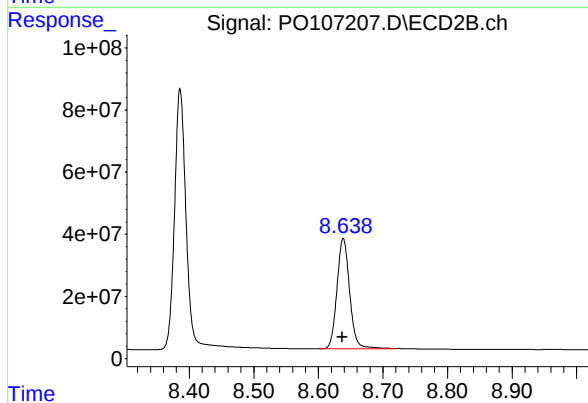
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 344028663
Conc: 100.71 ng/ml



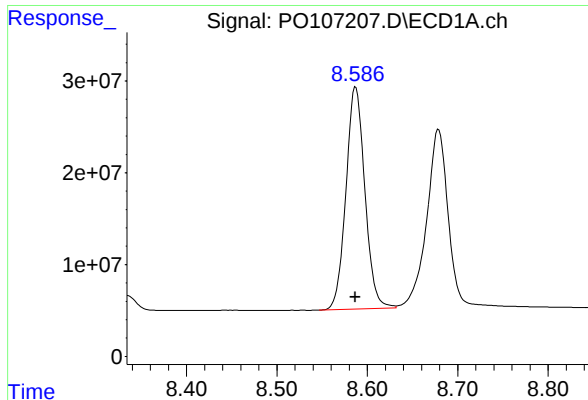
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 407419059
Conc: 96.05 ng/ml



#2 Decachlorobiphenyl

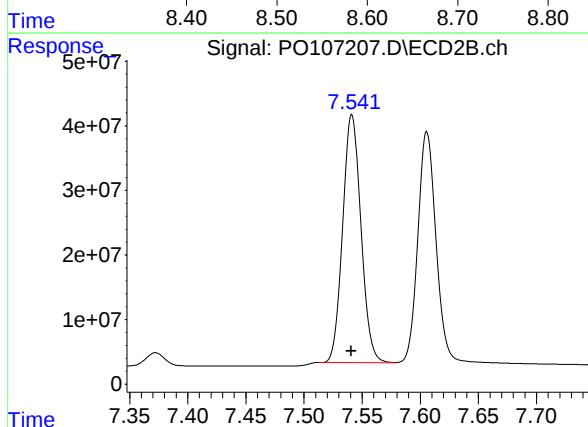
R.T.: 8.639 min
Delta R.T.: 0.001 min
Response: 487388979
Conc: 101.04 ng/ml



#41 AR-1268-1

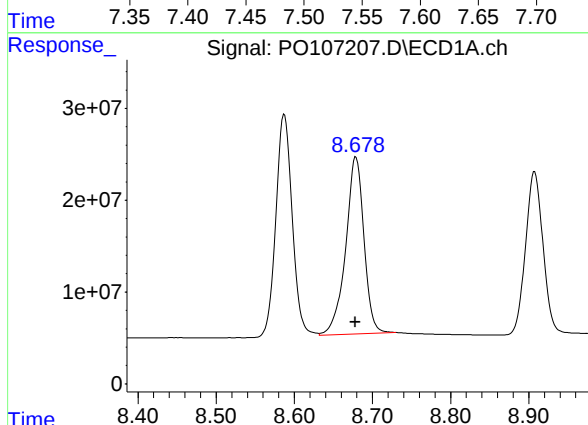
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 351862425
Conc: 965.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



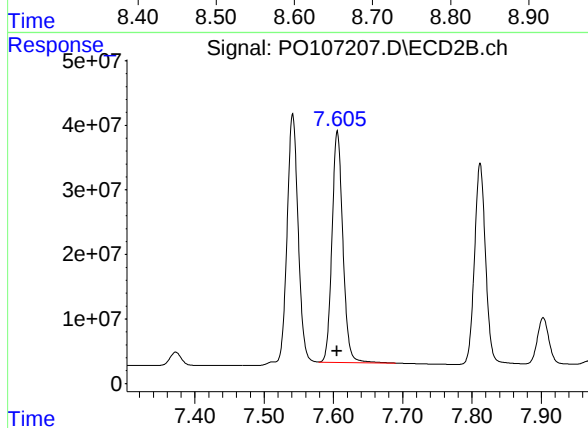
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 419191400
Conc: 1012.87 ng/ml



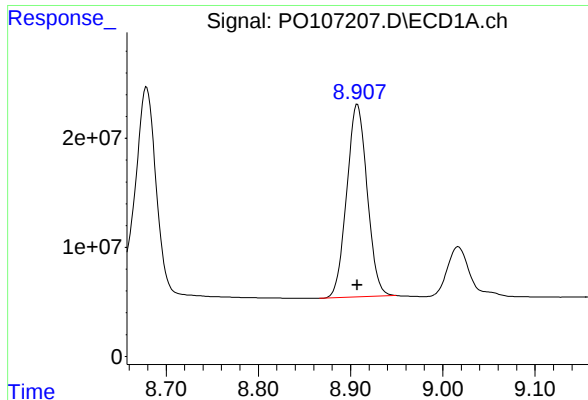
#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 313096403
Conc: 963.78 ng/ml



#42 AR-1268-2

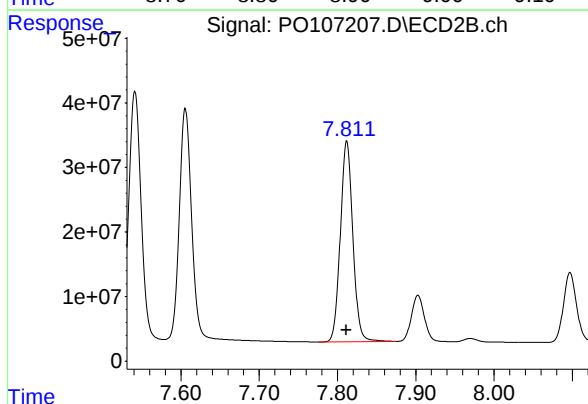
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 389672996
Conc: 1016.05 ng/ml



#43 AR-1268-3

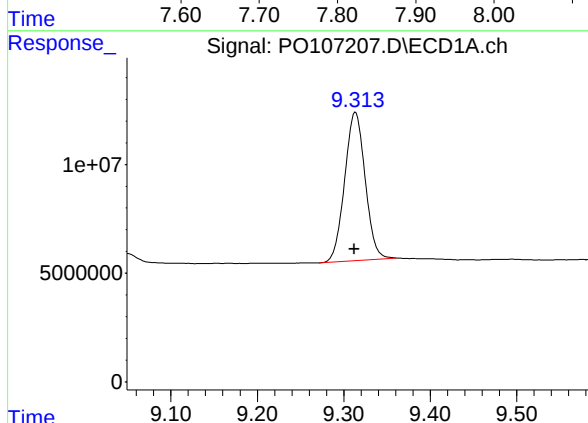
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 272236453
Conc: 963.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



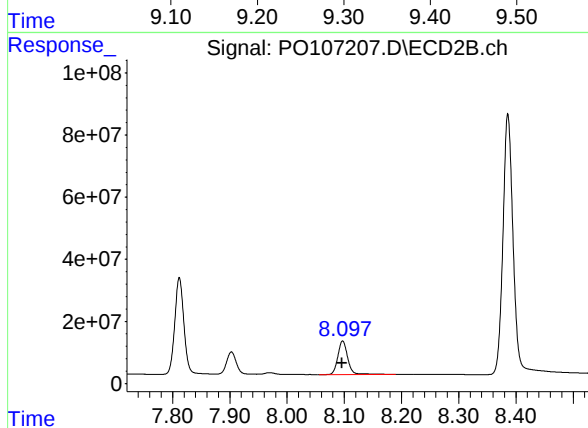
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 345284332
Conc: 1016.93 ng/ml



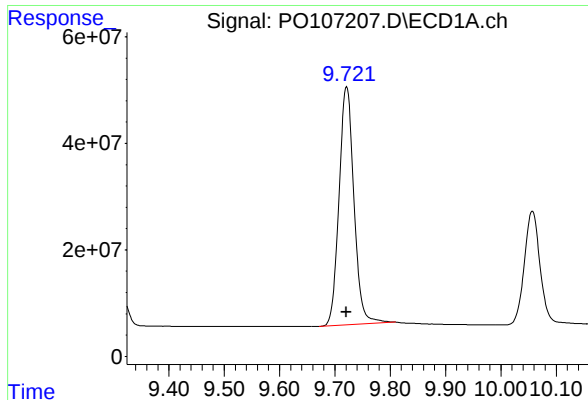
#44 AR-1268-4

R.T.: 9.313 min
Delta R.T.: 0.001 min
Response: 112236308
Conc: 978.40 ng/ml



#44 AR-1268-4

R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 129107993
Conc: 1014.32 ng/ml



#45 AR-1268-5

R.T.: 9.721 min

Delta R.T.: 0.000 min

Response: 836674479

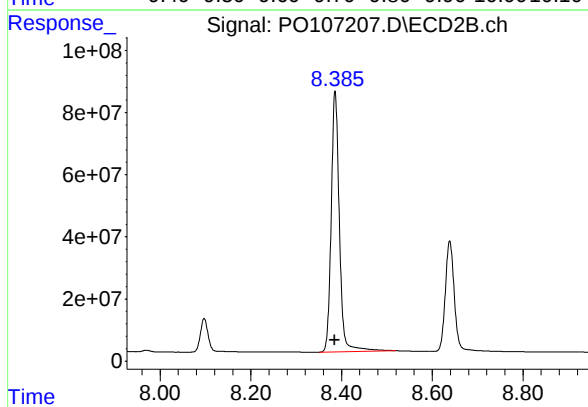
Conc: 987.74 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1268ICC1000



#45 AR-1268-5

R.T.: 8.386 min

Delta R.T.: 0.000 min

Response: 1049237500

Conc: 1031.62 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107208.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:41
 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: Oct 16 02:40:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	670.2E6	249.7E6	71.974	73.105
2) SA Decachlor...	10.058	8.638	310.2E6	355.5E6	73.131	73.693
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	264.3E6	307.5E6	724.887	742.983
42) L9 AR-1268-2	8.678	7.605	235.9E6	285.1E6	726.056	743.309
43) L9 AR-1268-3	8.908	7.812	204.6E6	253.4E6	723.835	746.228
44) L9 AR-1268-4	9.312	8.096	83445833	95583754	727.421	750.941
45) L9 AR-1268-5	9.722	8.386	624.8E6	764.5E6	737.635	751.645

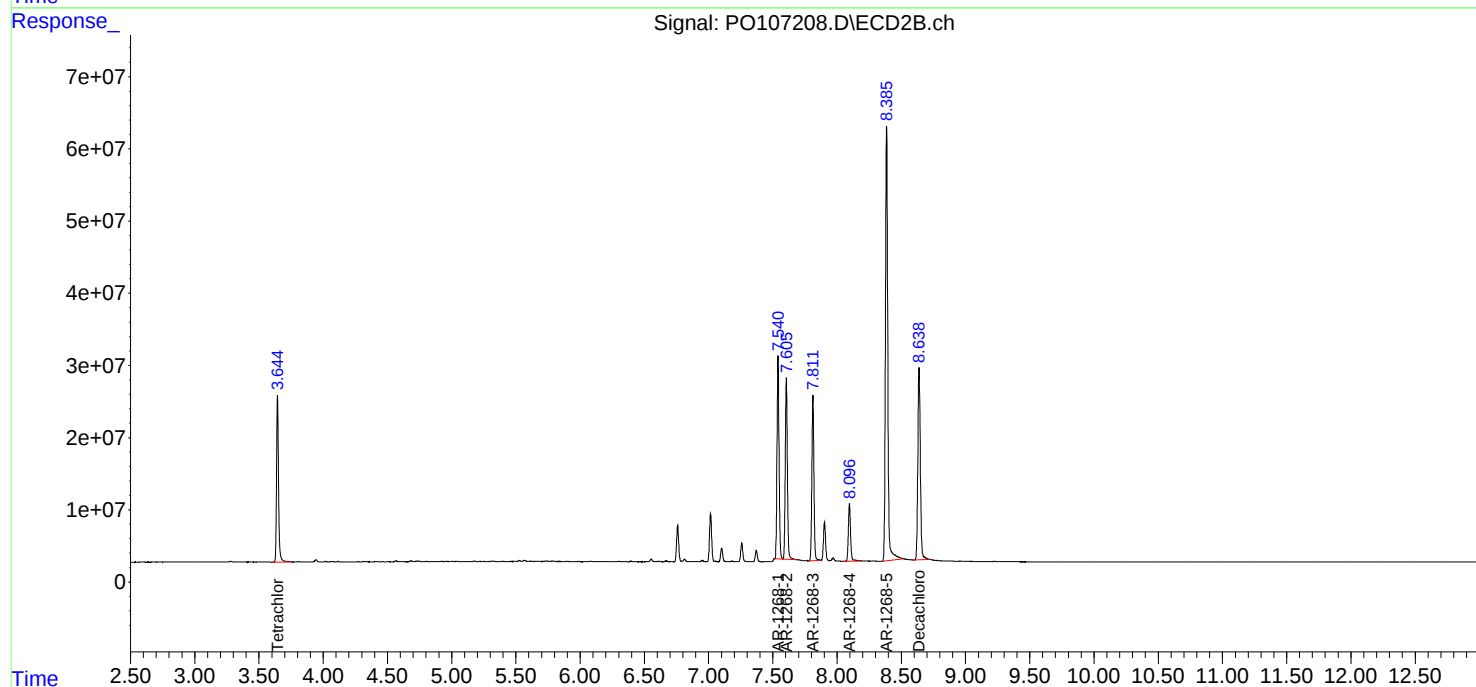
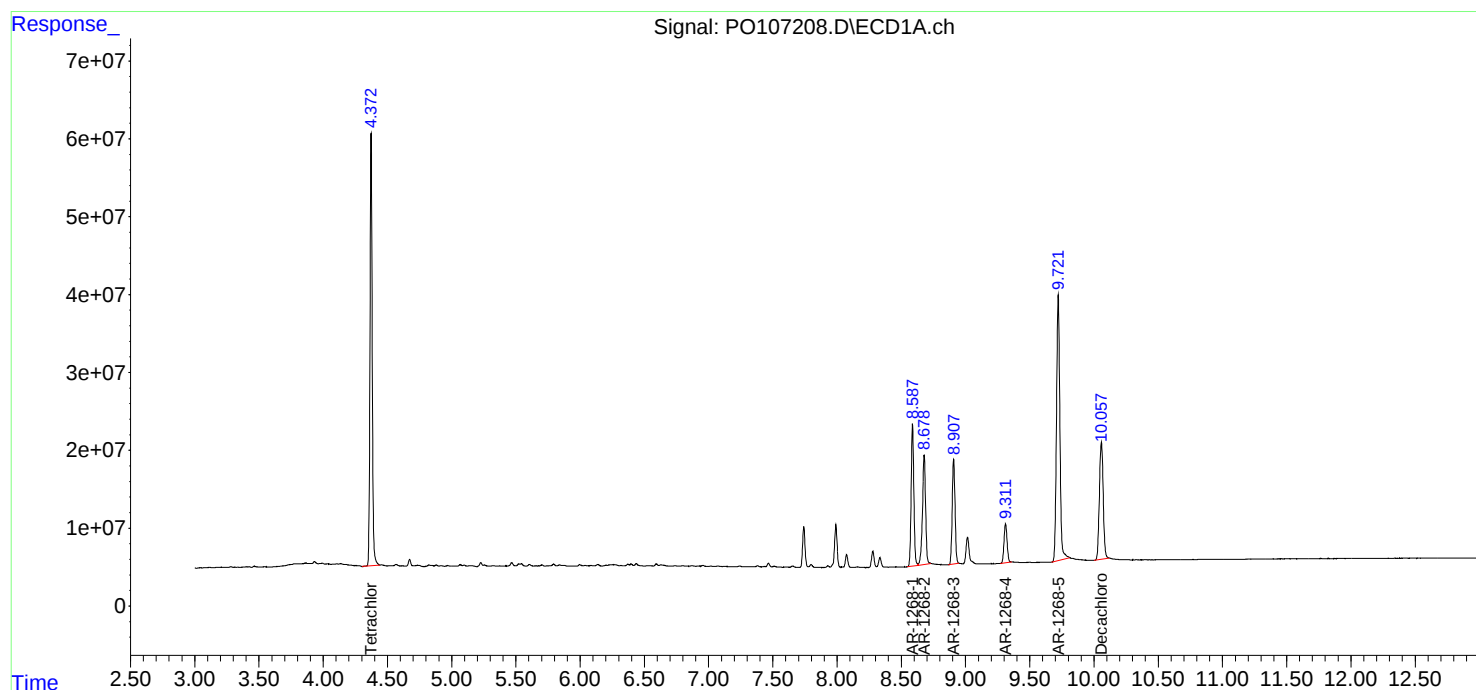
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

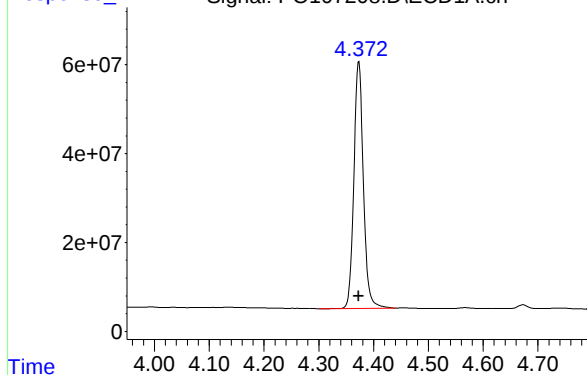
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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





R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 670196845
Conc: 71.97 ng/ml

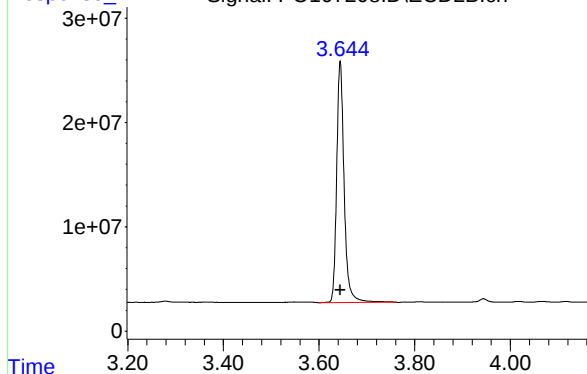
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PO107208.D\IECD2B.ch

#1 Tetrachloro-m-xylene



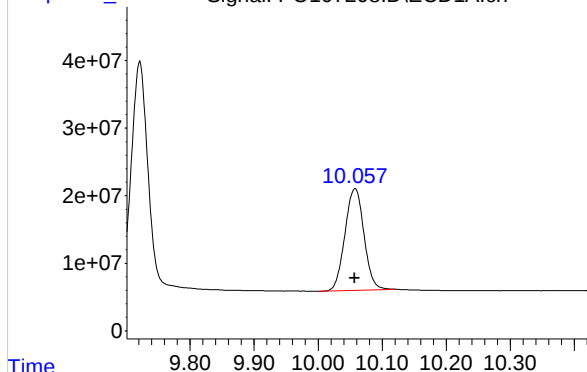
R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 249732853
Conc: 73.10 ng/ml

Time

Response_

Signal: PO107208.D\IECD1A.ch

#2 Decachlorobiphenyl



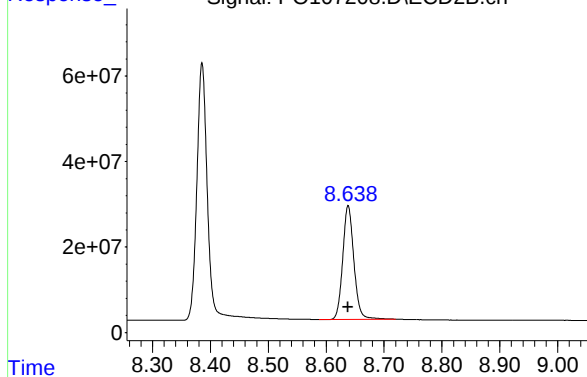
R.T.: 10.058 min
Delta R.T.: 0.001 min
Response: 310217562
Conc: 73.13 ng/ml

Time

Response_

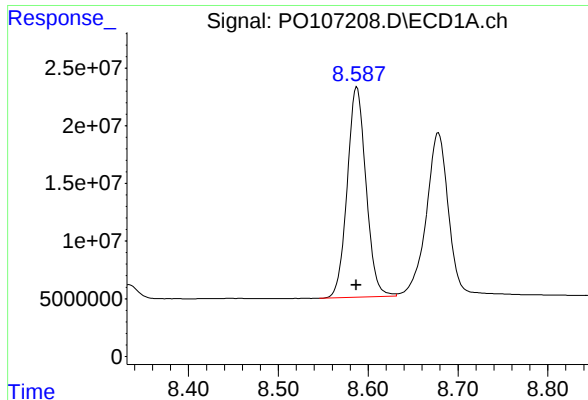
Signal: PO107208.D\IECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 355458898
Conc: 73.69 ng/ml

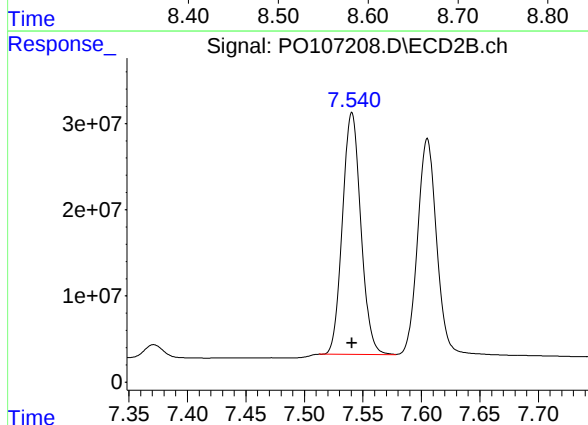
Time



#41 AR-1268-1

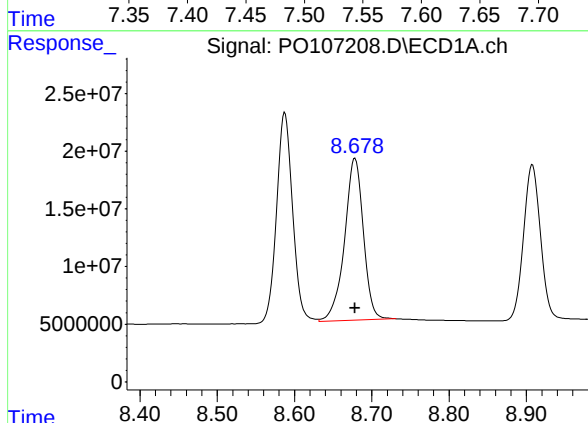
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 264310364
Conc: 724.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



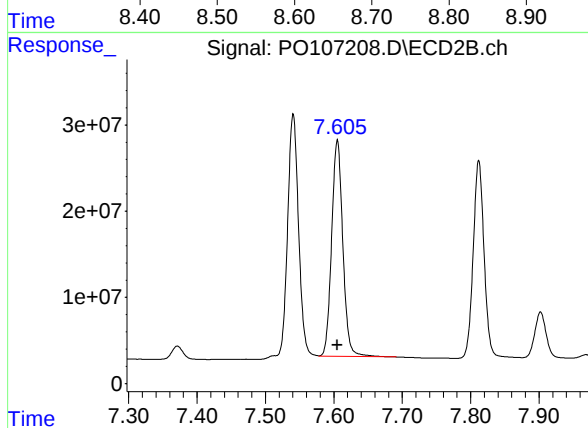
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 307493619
Conc: 742.98 ng/ml



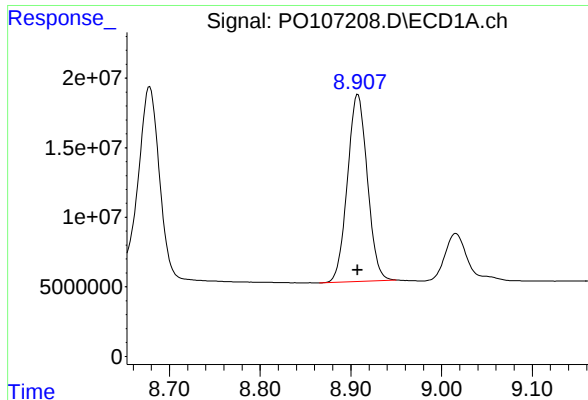
#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 235868584
Conc: 726.06 ng/ml



#42 AR-1268-2

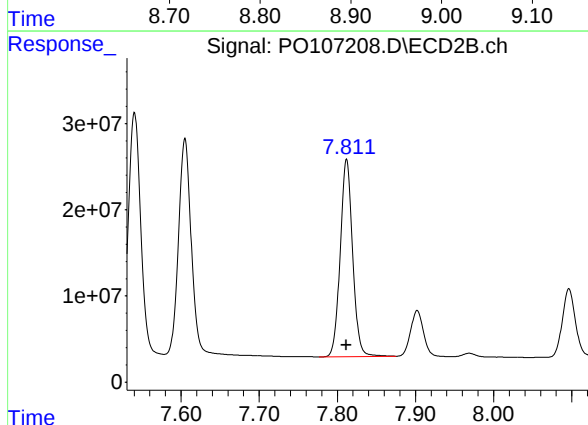
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 285072573
Conc: 743.31 ng/ml



#43 AR-1268-3

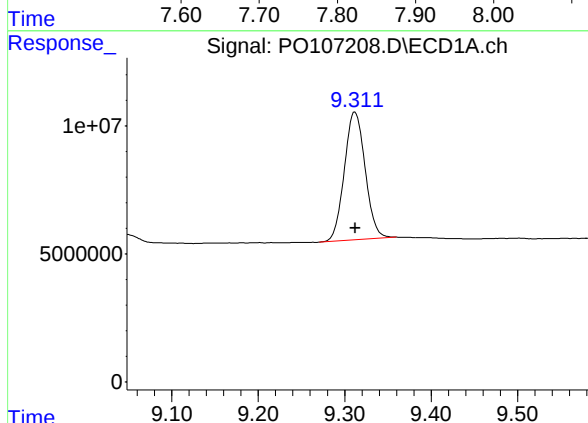
R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 204570207
Conc: 723.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



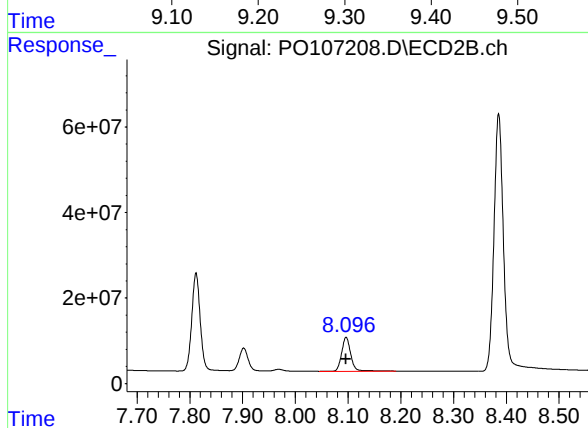
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 253371130
Conc: 746.23 ng/ml



#44 AR-1268-4

R.T.: 9.312 min
Delta R.T.: 0.000 min
Response: 83445833
Conc: 727.42 ng/ml



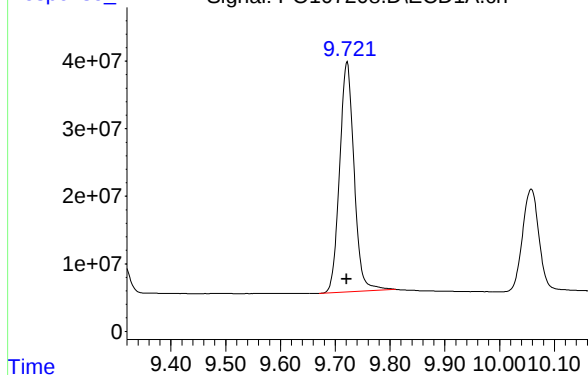
#44 AR-1268-4

R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 95583754
Conc: 750.94 ng/ml

Response_

Signal: PO107208.D\ECD1A.ch

#45 AR-1268-5



R.T.: 9.722 min

Delta R.T.: 0.001 min

Response: 624823653

Conc: 737.64 ng/ml

Instrument :

ECD_O

ClientSampleId :

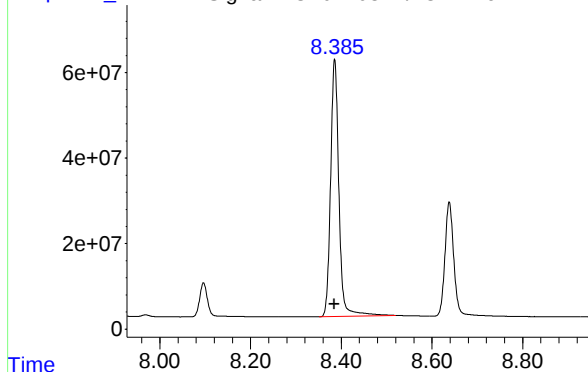
AR1268ICC750

Time

Response_

Signal: PO107208.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.386 min

Delta R.T.: 0.000 min

Response: 764483445

Conc: 751.65 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107209.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:59
 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: Oct 16 02:40:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	465.6E6	170.8E6	50.000	50.000
2) SA Decachlor...	10.057	8.637	212.1E6	241.2E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	182.3E6	206.9E6	500.000	500.000
42) L9 AR-1268-2	8.678	7.605	162.4E6	191.8E6	500.000	500.000
43) L9 AR-1268-3	8.907	7.811	141.3E6	169.8E6	500.000	500.000
44) L9 AR-1268-4	9.312	8.096	57357297	63642681	500.000	500.000
45) L9 AR-1268-5	9.721	8.385	423.5E6	508.5E6	500.000	500.000

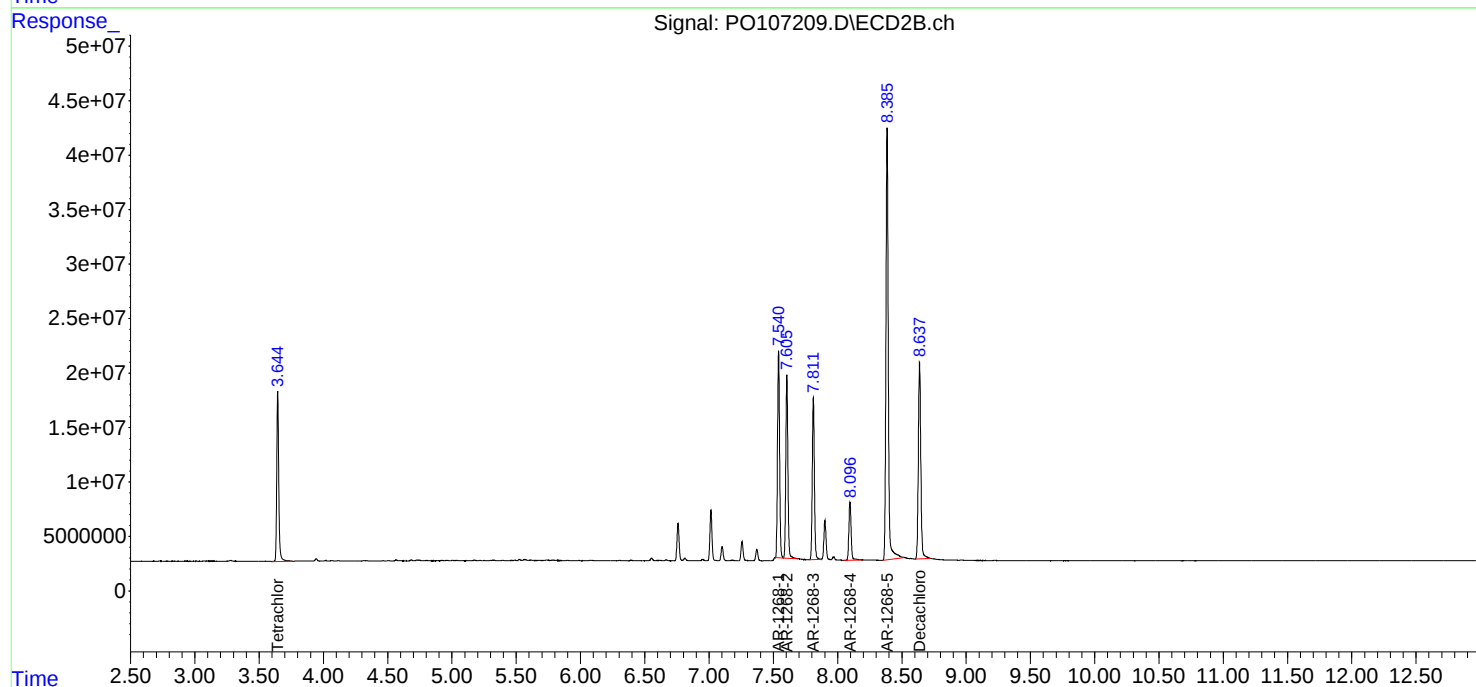
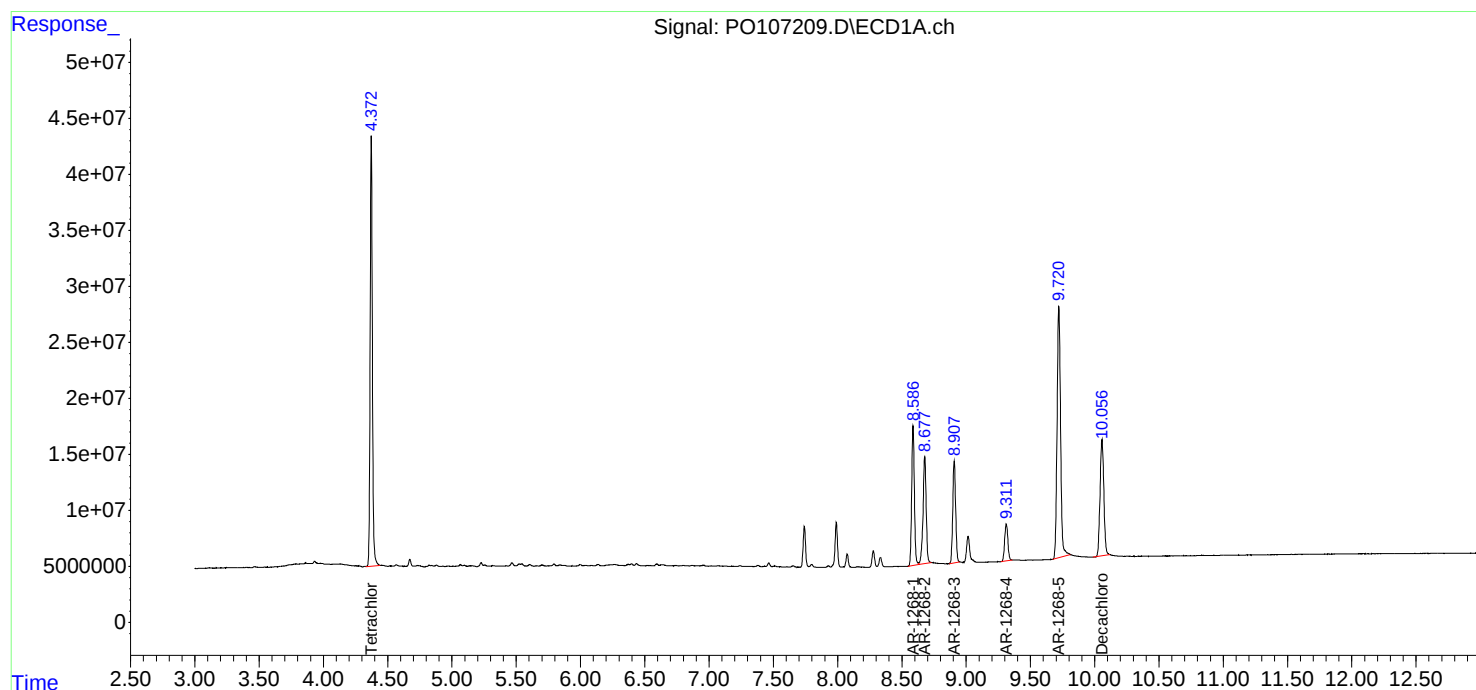
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

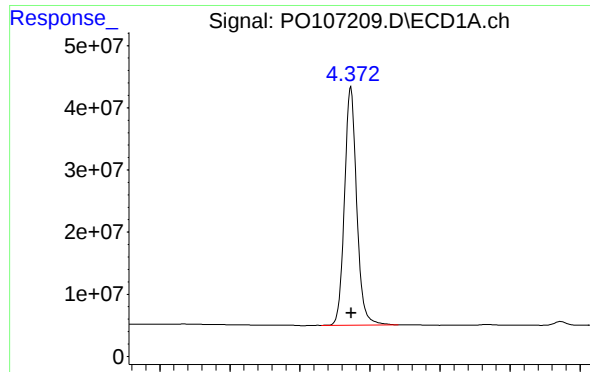
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : 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

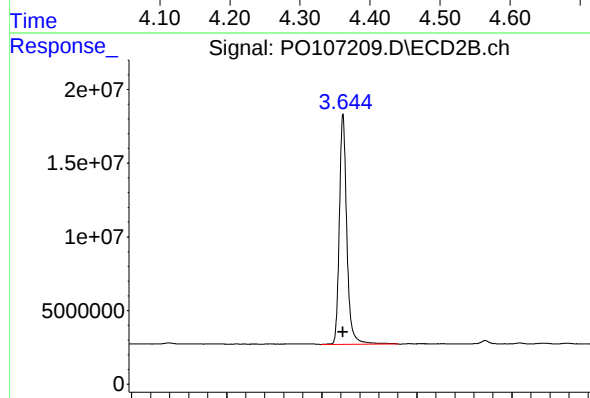




#1 Tetrachloro-m-xylene

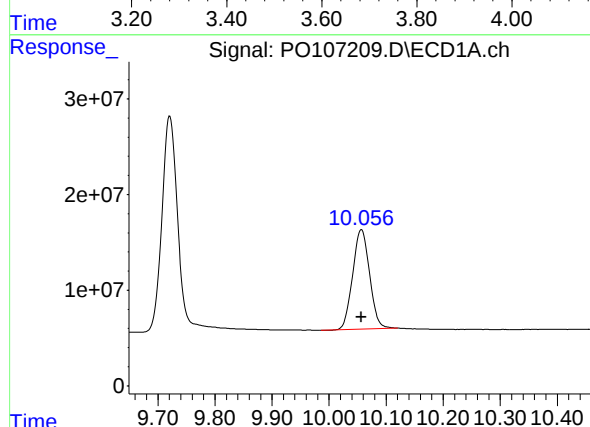
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 465580331
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



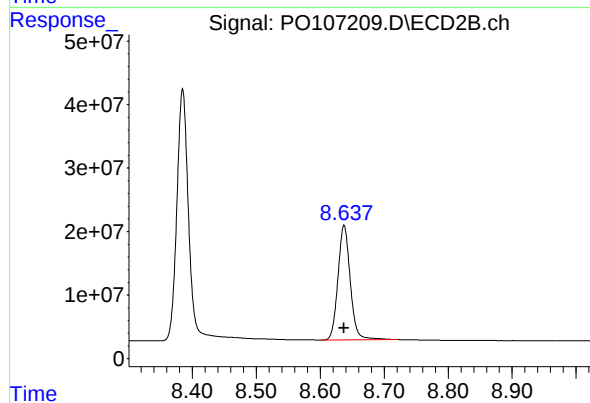
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 170805240
Conc: 50.00 ng/ml



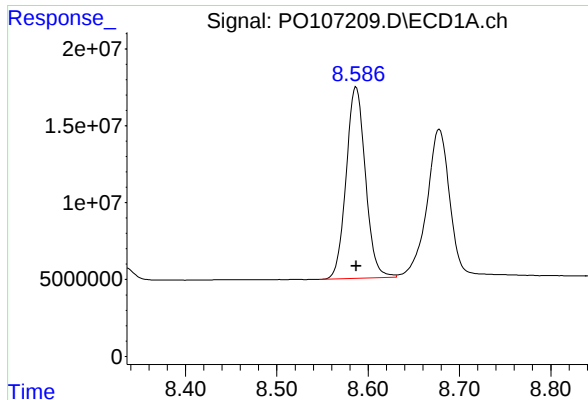
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 212097908
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

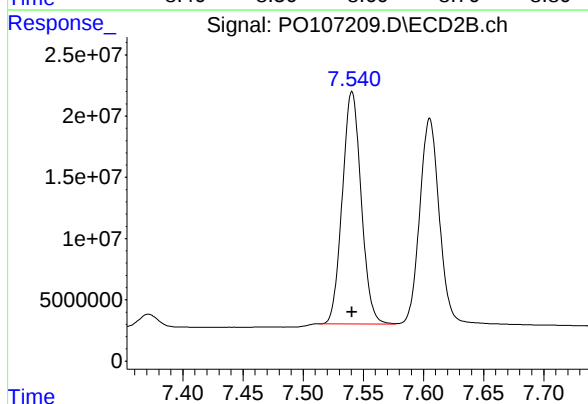
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 241175589
Conc: 50.00 ng/ml



#41 AR-1268-1

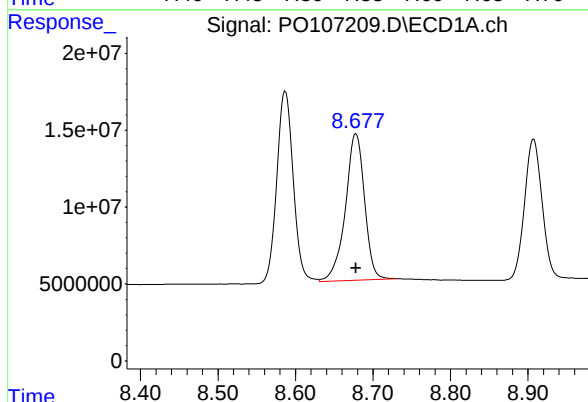
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 182311422
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



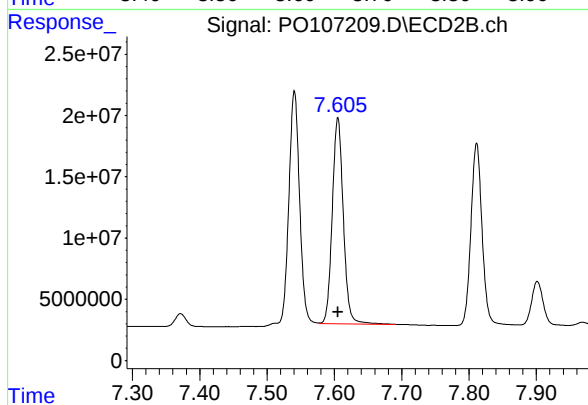
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 206931792
Conc: 500.00 ng/ml



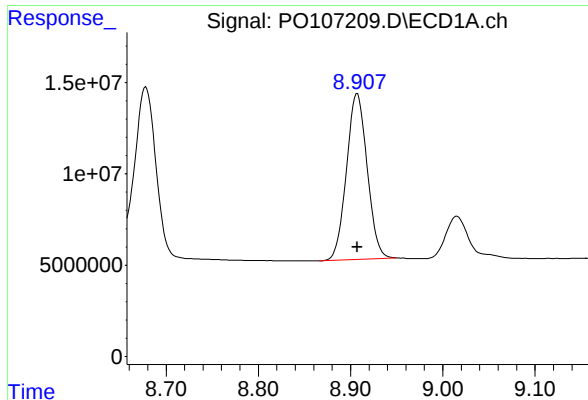
#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 162431403
Conc: 500.00 ng/ml



#42 AR-1268-2

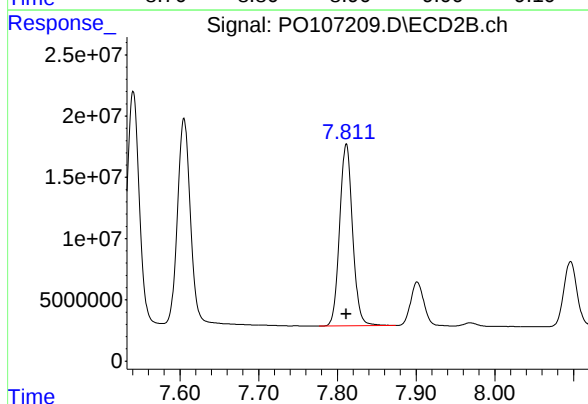
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 191759104
Conc: 500.00 ng/ml



#43 AR-1268-3

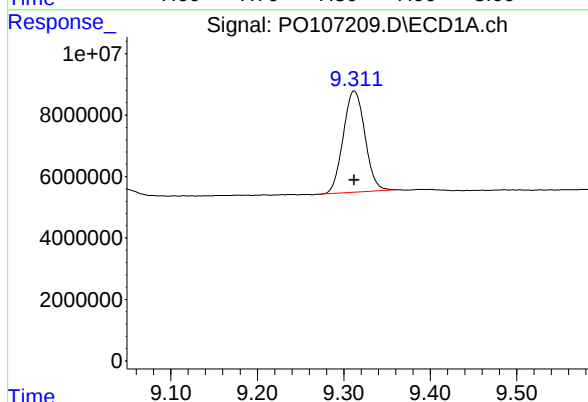
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 141310018
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



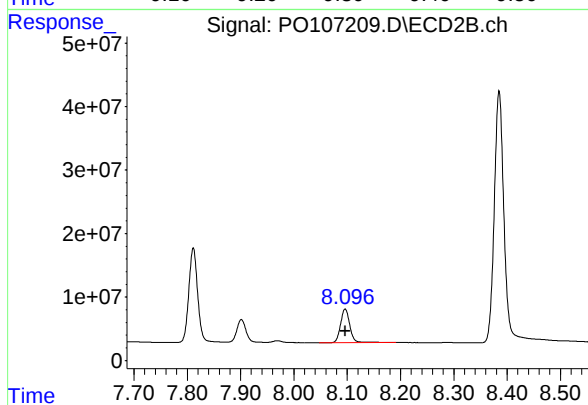
#43 AR-1268-3

R.T.: 7.811 min
Delta R.T.: 0.000 min
Response: 169767878
Conc: 500.00 ng/ml



#44 AR-1268-4

R.T.: 9.312 min
Delta R.T.: 0.000 min
Response: 57357297
Conc: 500.00 ng/ml



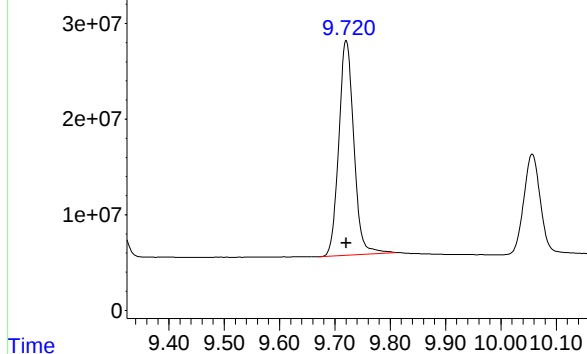
#44 AR-1268-4

R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 63642681
Conc: 500.00 ng/ml

Response_

Signal: PO107209.D\ECD1A.ch

#45 AR-1268-5



R.T.: 9.721 min

Delta R.T.: 0.000 min

Response: 423531657

Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

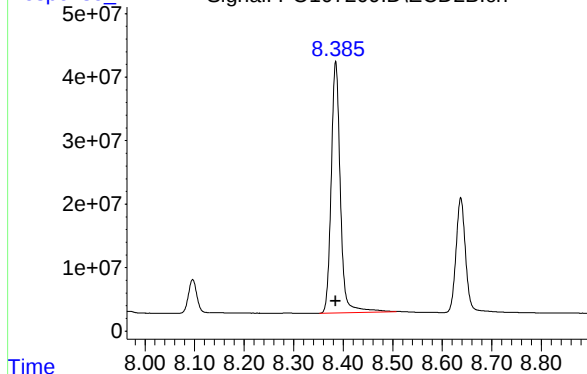
AR1268ICC500

Time

Response

Signal: PO107209.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.385 min

Delta R.T.: 0.000 min

Response: 508540065

Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107210.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 02:18
 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: Oct 16 04:21:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	237.4E6	83283643	25.493	24.380
2) SA Decachlor...	10.058	8.638	110.0E6	122.3E6	25.930	25.345
Target Compounds						
41) L9 AR-1268-1	8.588	7.541	95440132	102.7E6	261.750	248.179
42) L9 AR-1268-2	8.679	7.606	84909424	94674968	261.370	246.859
43) L9 AR-1268-3	8.908	7.812	73384675	84688940	259.658	249.426
44) L9 AR-1268-4	9.314	8.097	29107021	32315199	253.734	253.880
45) L9 AR-1268-5	9.721	8.386	216.1E6	249.1E6	255.104	244.896

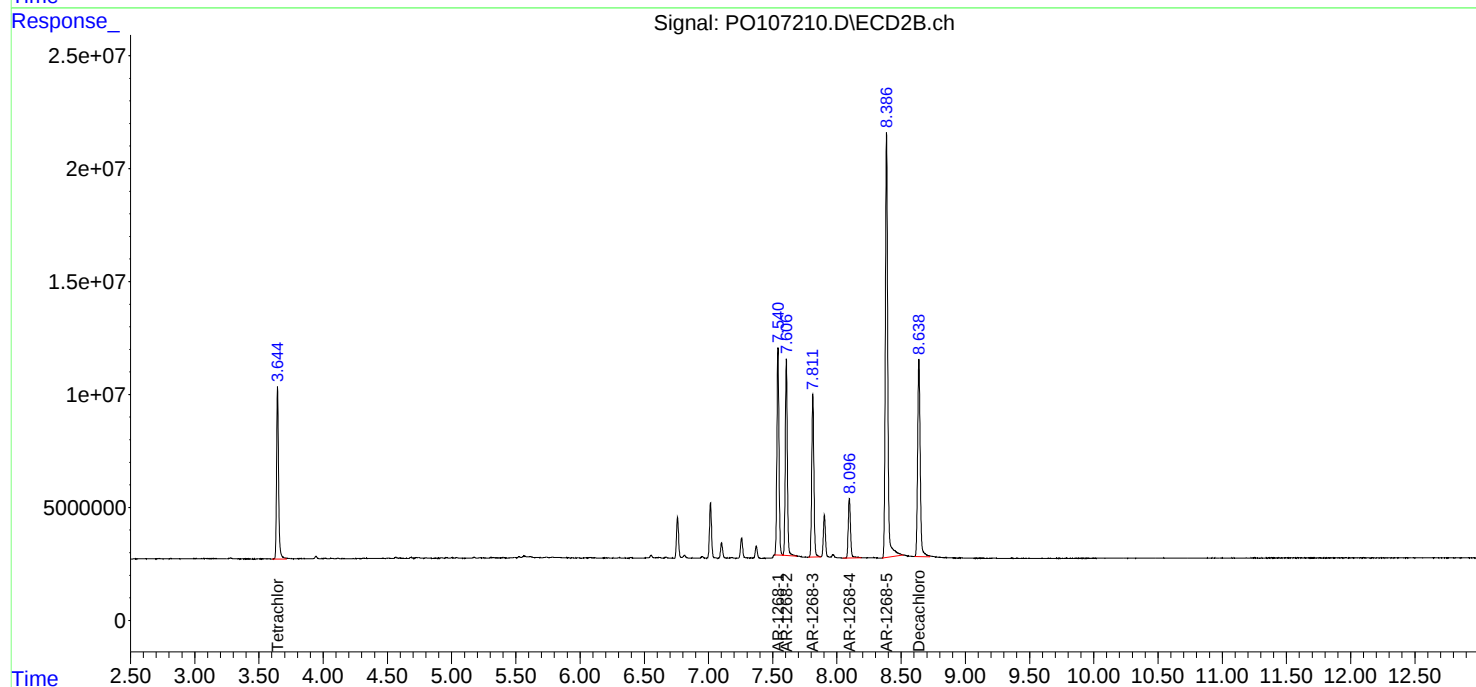
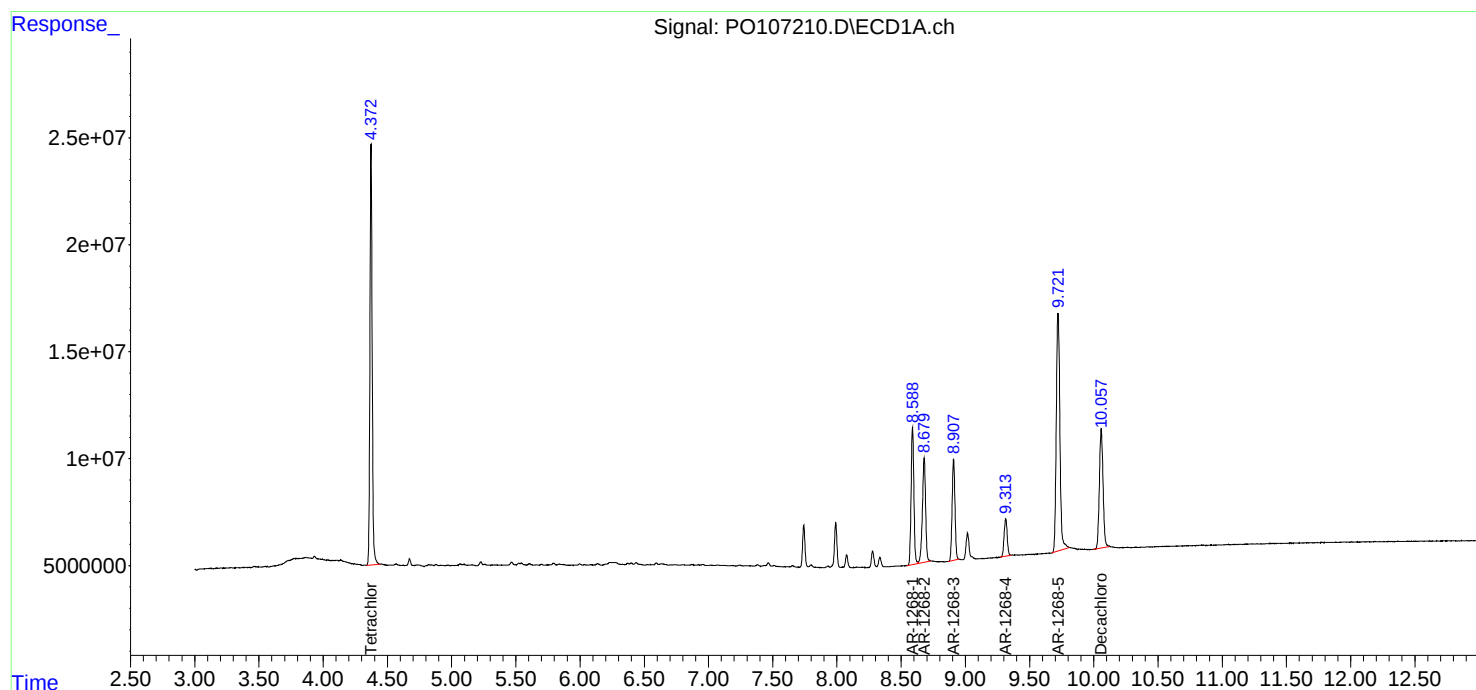
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

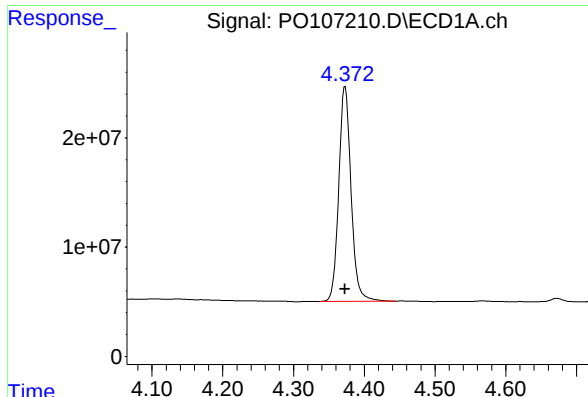
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : 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

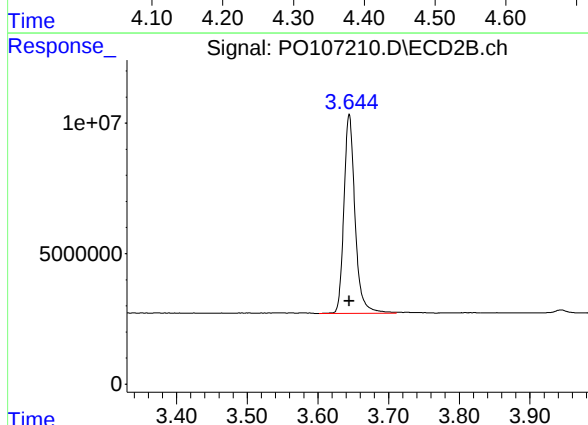




#1 Tetrachloro-m-xylene

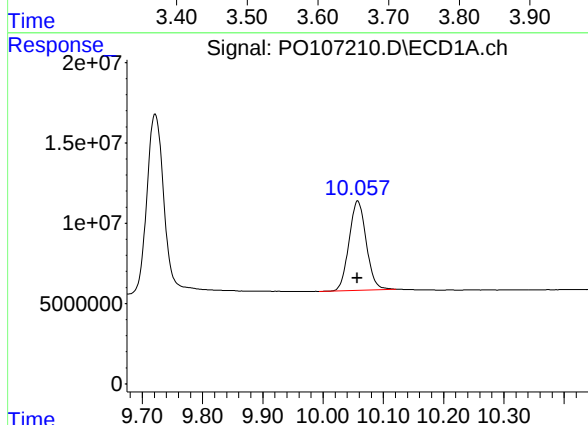
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237379747
Conc: 25.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



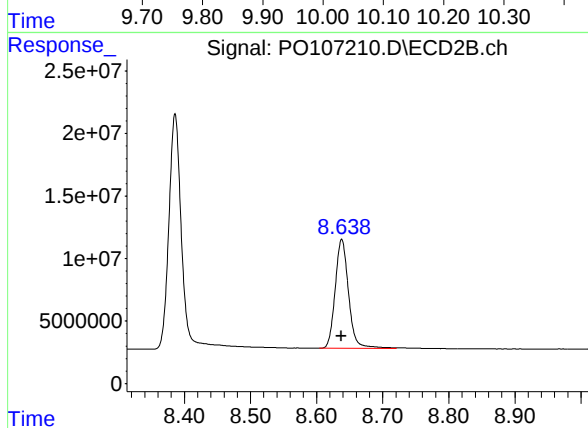
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 83283643
Conc: 24.38 ng/ml



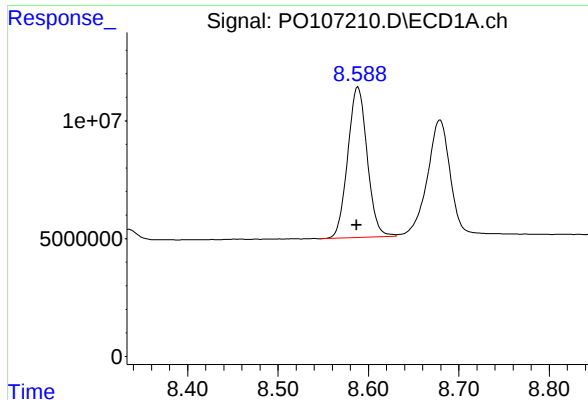
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 109995659
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

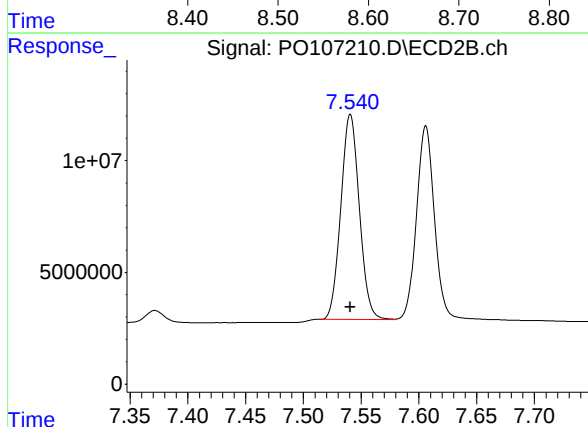
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 122251099
Conc: 25.34 ng/ml



#41 AR-1268-1

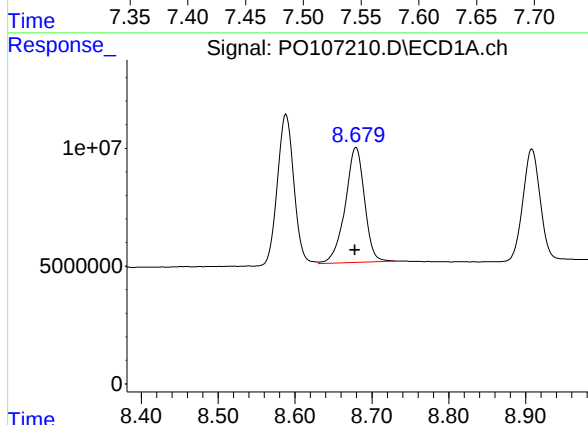
R.T.: 8.588 min
Delta R.T.: 0.002 min
Response: 95440132
Conc: 261.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



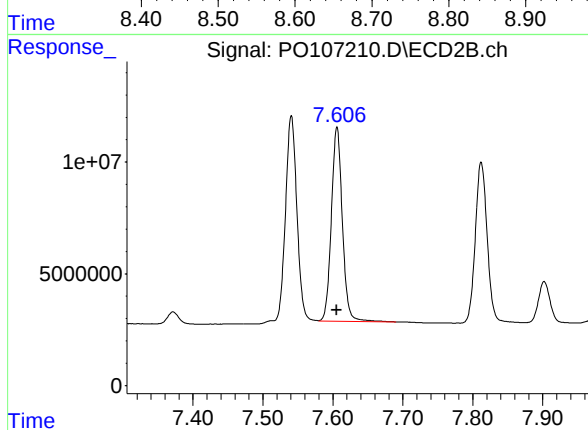
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 102712368
Conc: 248.18 ng/ml



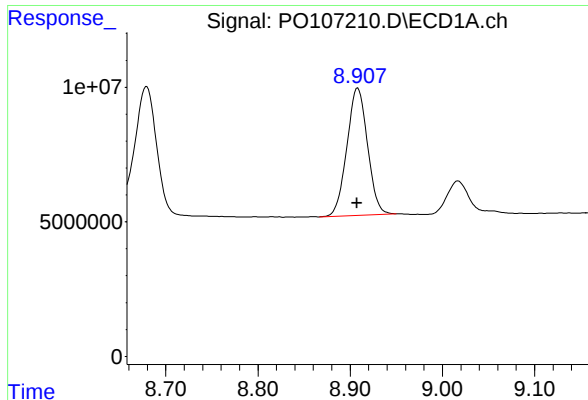
#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 84909424
Conc: 261.37 ng/ml



#42 AR-1268-2

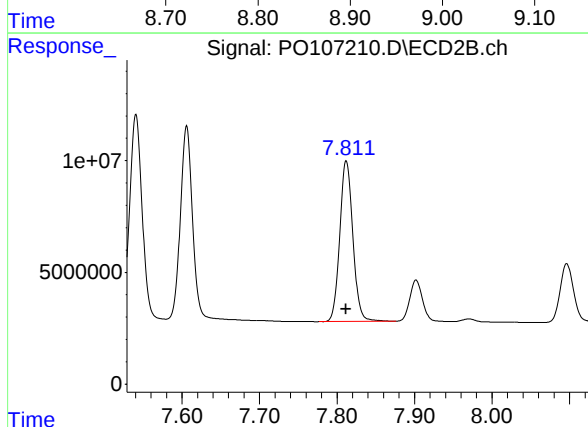
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 94674968
Conc: 246.86 ng/ml



#43 AR-1268-3

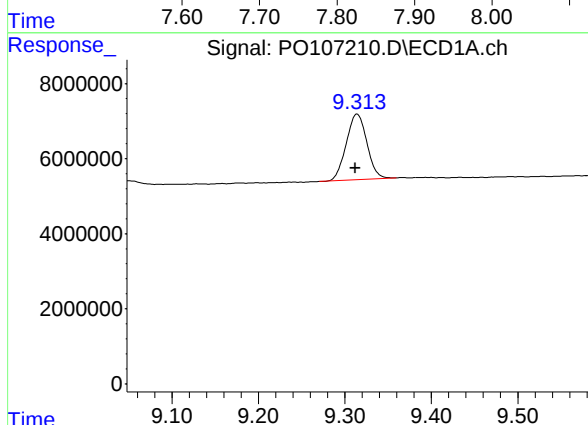
R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 73384675
Conc: 259.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



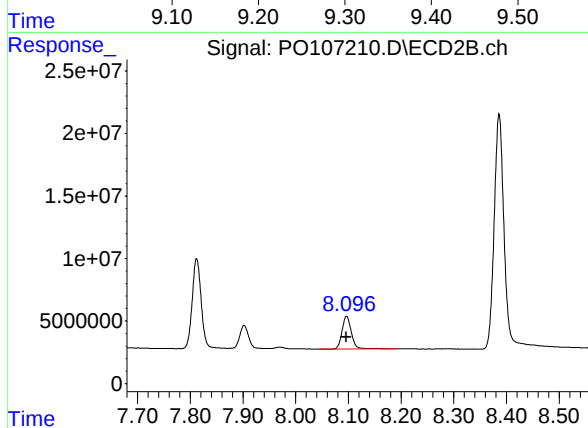
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 84688940
Conc: 249.43 ng/ml



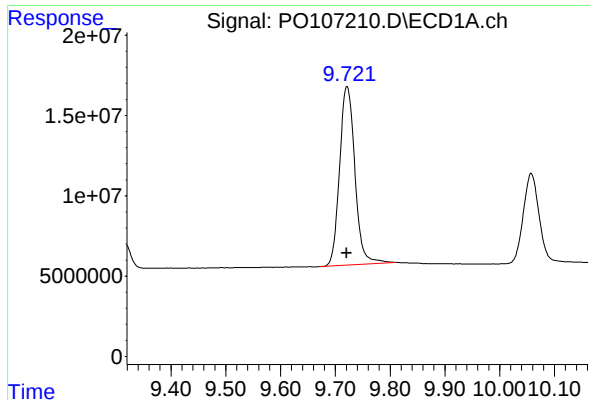
#44 AR-1268-4

R.T.: 9.314 min
Delta R.T.: 0.002 min
Response: 29107021
Conc: 253.73 ng/ml



#44 AR-1268-4

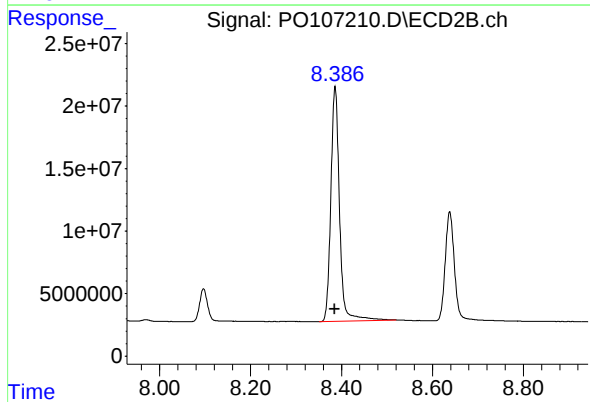
R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 32315199
Conc: 253.88 ng/ml



#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 216089361
Conc: 255.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 249078869
Conc: 244.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107211.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 02:36
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:22:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	44759505	14819032	4.807	4.338
2) SA Decachlor...	10.056	8.638	20020423	22152727	4.720	4.593
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	18469024	18447765	50.652m	44.575
42) L9 AR-1268-2	8.679	7.606	16014978	16717280	49.298	43.589
43) L9 AR-1268-3	8.908	7.811	13783097	15350219	48.769	45.209
44) L9 AR-1268-4	9.314	8.097	5072917	5687474	44.222	44.683
45) L9 AR-1268-5	9.723	8.385	39053378	42842014	46.104	42.123

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

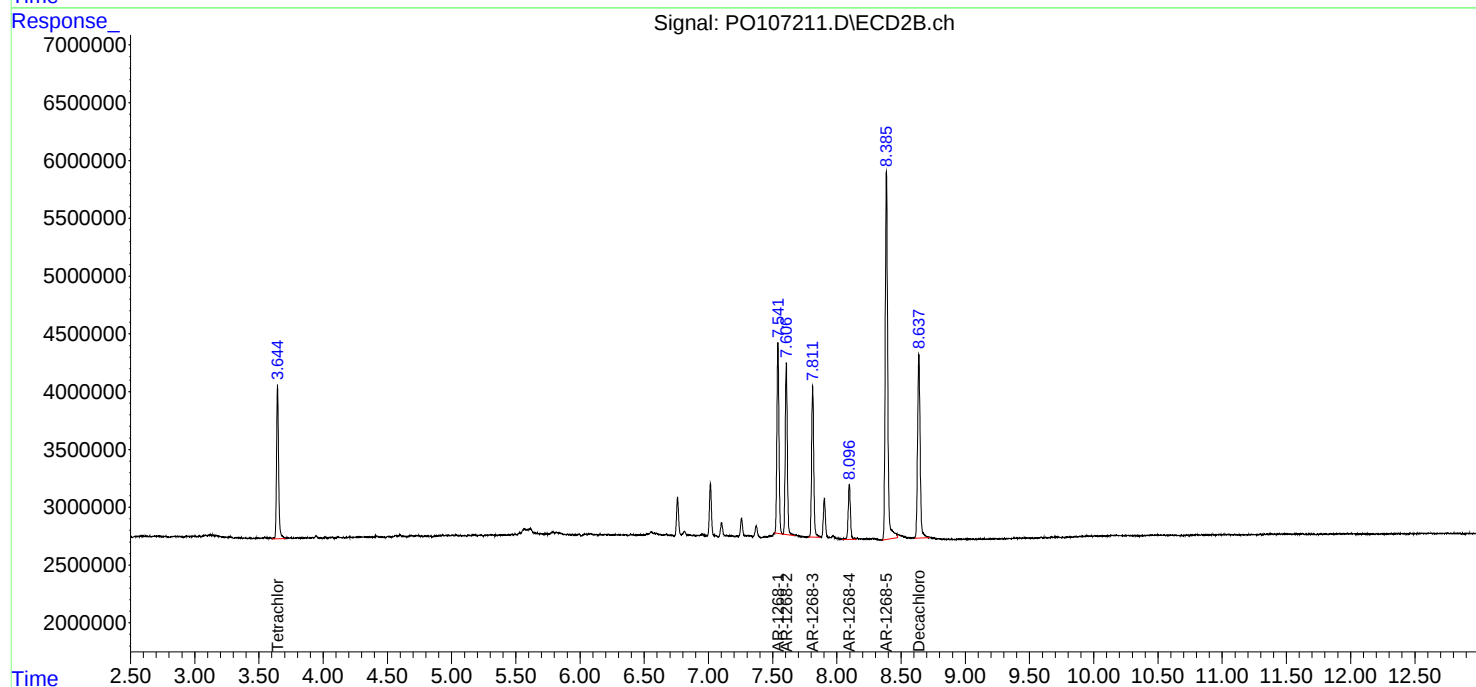
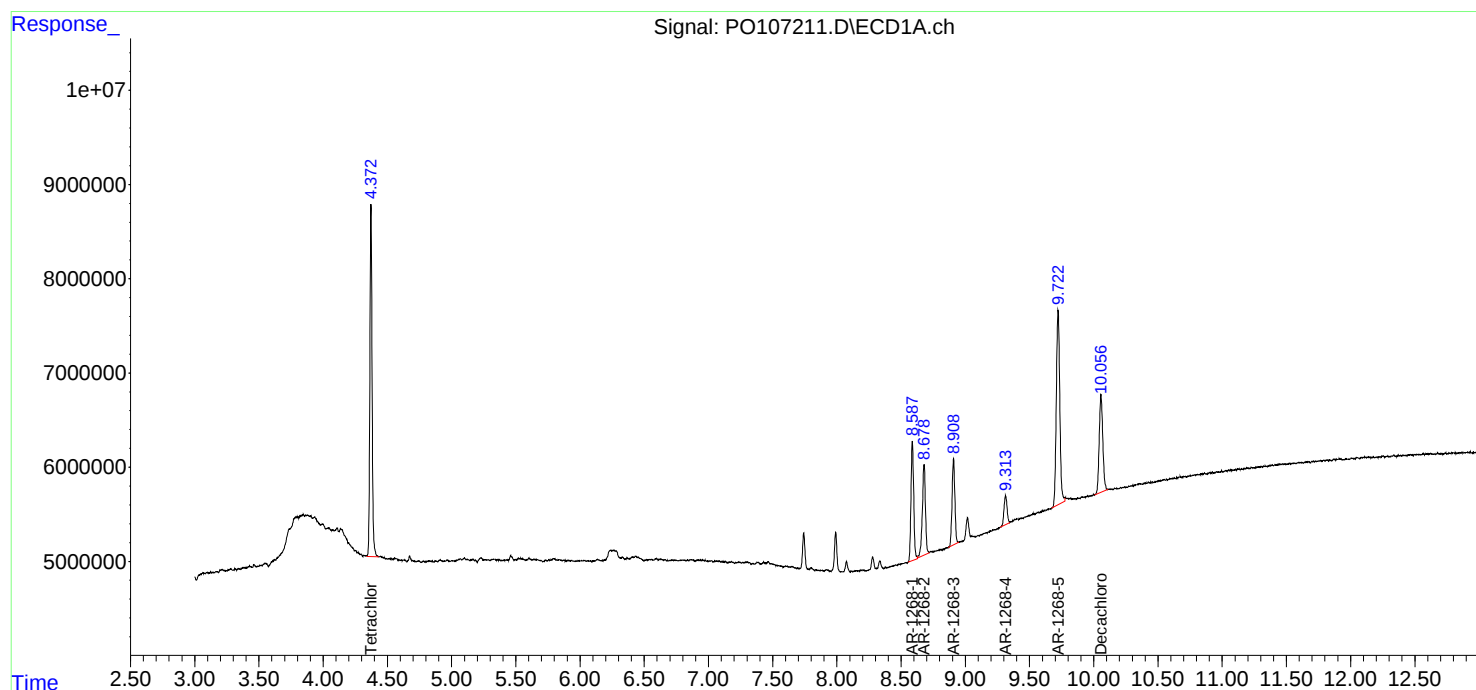
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

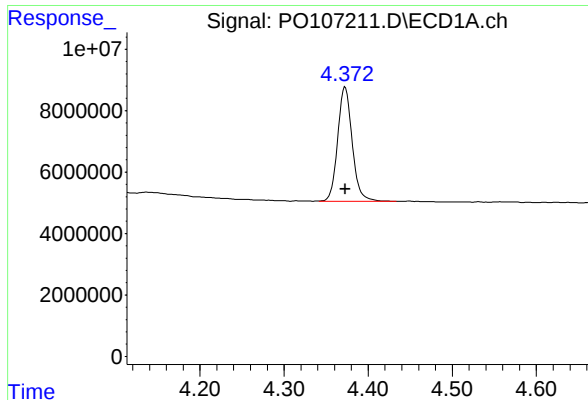
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : 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





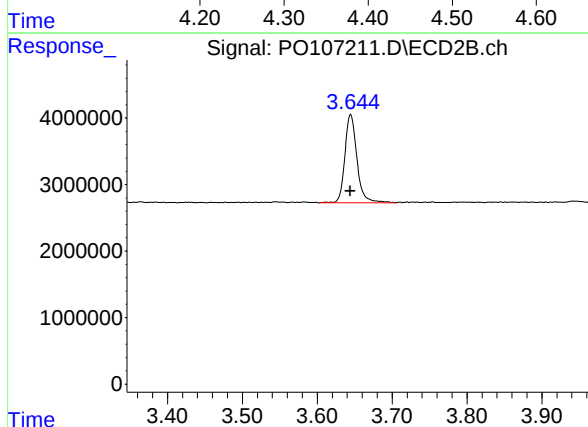
#1 Tetrachloro-m-xylene

R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 44759505
Conc: 4.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

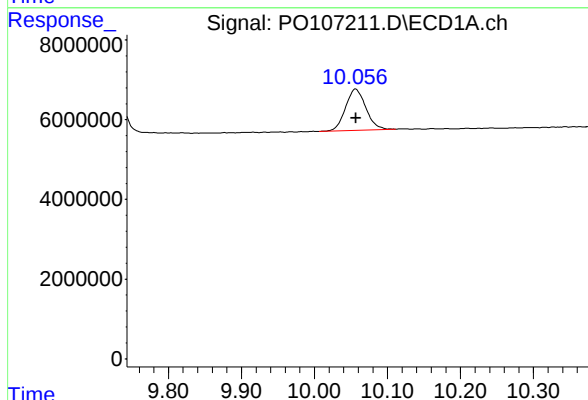
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



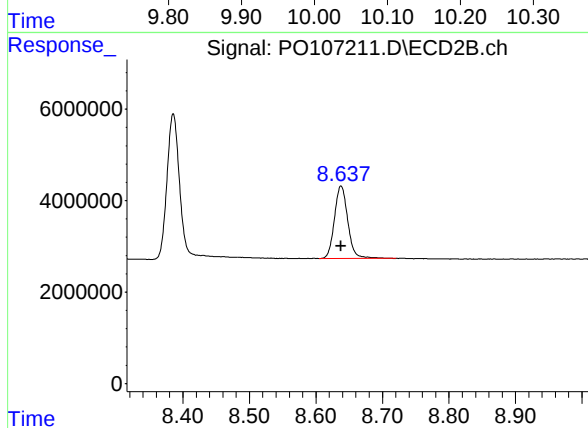
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 14819032
Conc: 4.34 ng/ml



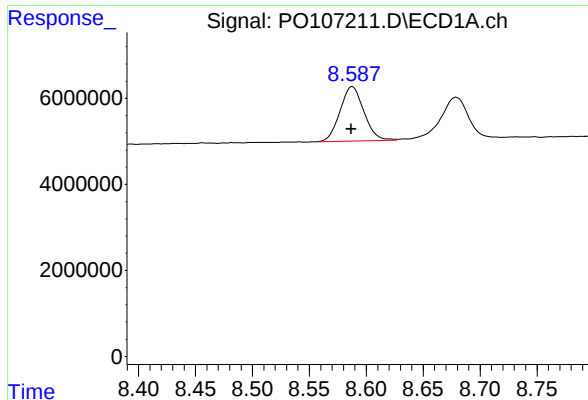
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: 0.000 min
Response: 20020423
Conc: 4.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 22152727
Conc: 4.59 ng/ml



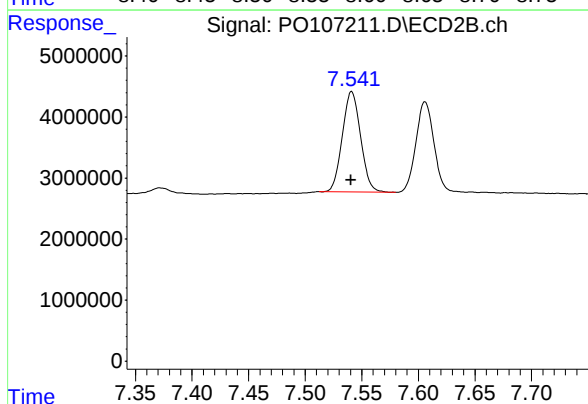
#41 AR-1268-1

R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 18469024
Conc: 50.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

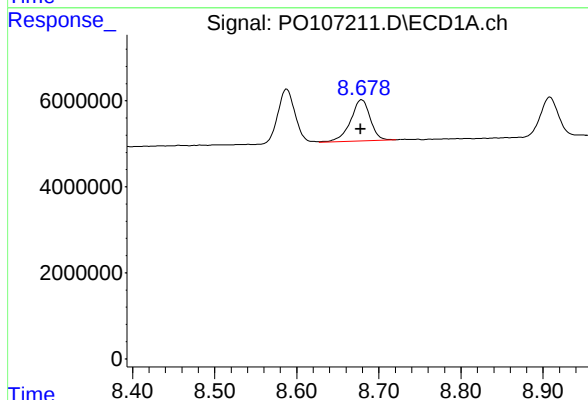
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



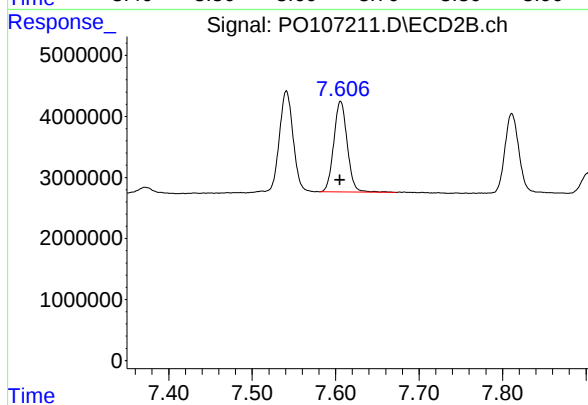
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 18447765
Conc: 44.57 ng/ml



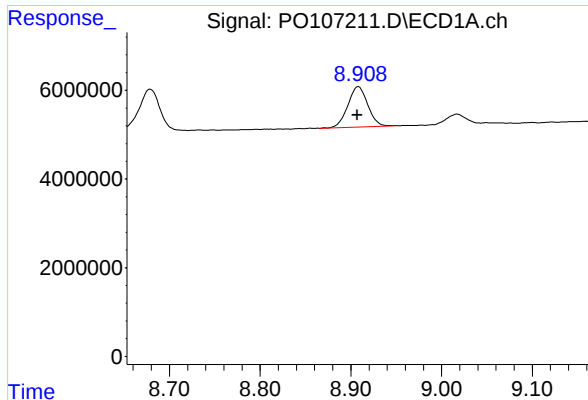
#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 16014978
Conc: 49.30 ng/ml



#42 AR-1268-2

R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 16717280
Conc: 43.59 ng/ml



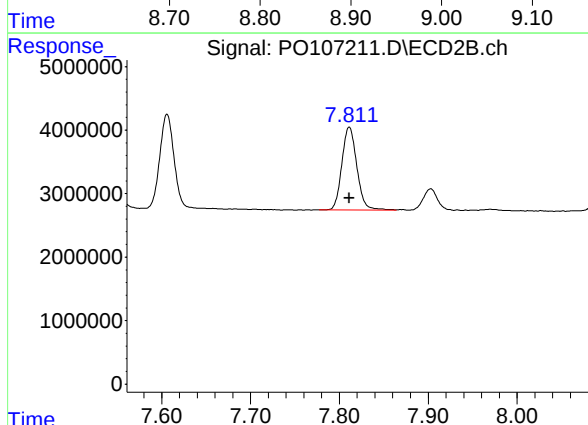
#43 AR-1268-3

R.T.: 8.908 min
Delta R.T.: 0.001 min
Response: 13783097
Conc: 48.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

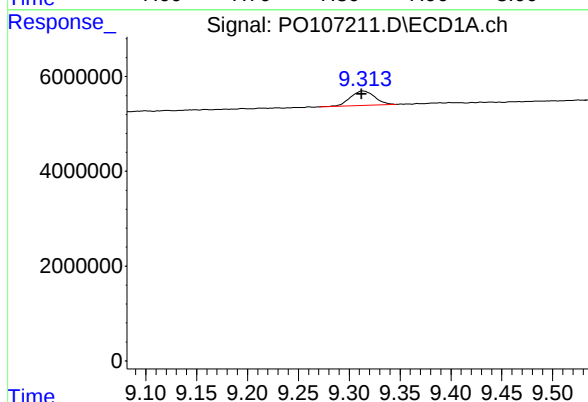
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



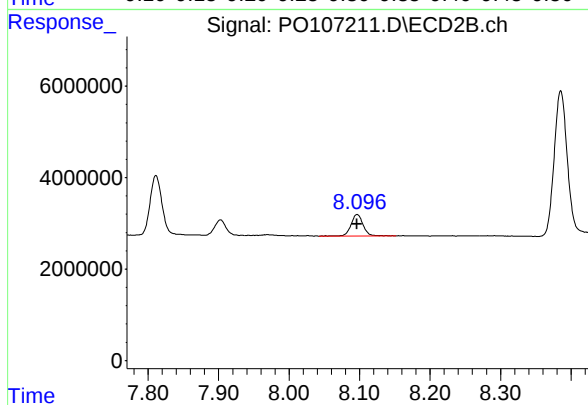
#43 AR-1268-3

R.T.: 7.811 min
Delta R.T.: 0.000 min
Response: 15350219
Conc: 45.21 ng/ml



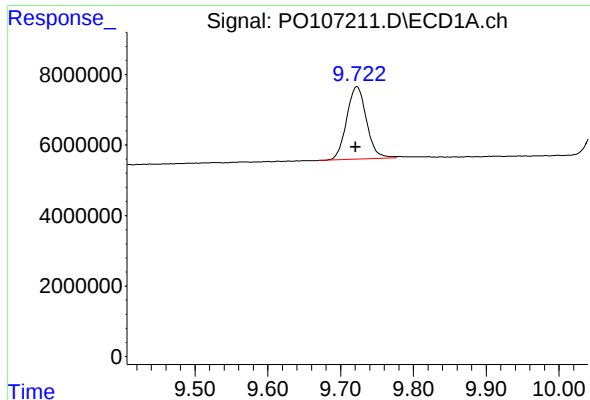
#44 AR-1268-4

R.T.: 9.314 min
Delta R.T.: 0.002 min
Response: 5072917
Conc: 44.22 ng/ml



#44 AR-1268-4

R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 5687474
Conc: 44.68 ng/ml



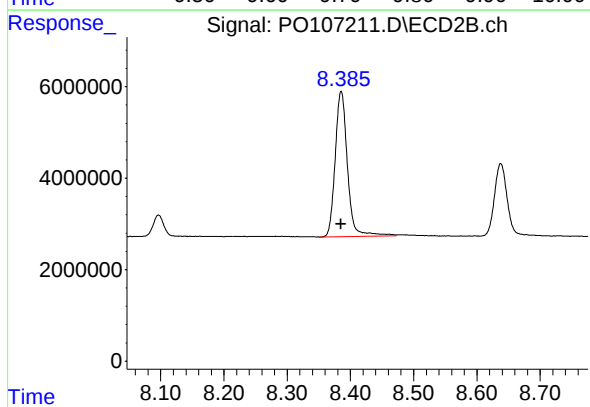
#45 AR-1268-5

R.T.: 9.723 min
Delta R.T.: 0.002 min
Response: 39053378
Conc: 46.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 42842014
Conc: 42.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107212.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 02:54
 Operator : YP/AJ
 Sample : P0101524ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:33:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:32:43 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	465.3E6	164.4E6	51.058	51.086
2) SA Decachlor...	10.056	8.638	123.9E6	136.1E6	50.497	49.626
Target Compounds						
3) L1 AR-1016-1	5.521	4.726	134.9E6	51843655	500.111	502.042
4) L1 AR-1016-2	5.543	4.745	197.8E6	72270469	498.259	512.674
5) L1 AR-1016-3	5.606	4.920	128.2E6	39765886	510.233	504.992
6) L1 AR-1016-4	5.702	4.962	100.3E6	33242228	520.863	502.845
7) L1 AR-1016-5	5.997	5.175	96027789	42039253	525.737	511.838
31) L7 AR-1260-1	7.123	6.207	127.8E6	78048903	494.246	503.040
32) L7 AR-1260-2	7.380	6.394	129.5E6	92023271	492.099	522.516
33) L7 AR-1260-3	7.741	6.547	88394667	86099269	491.778	513.265
34) L7 AR-1260-4	7.966	7.018	84877632	73152631	483.623	505.614
35) L7 AR-1260-5	8.279	7.258	138.1E6	168.0E6	485.508	510.033

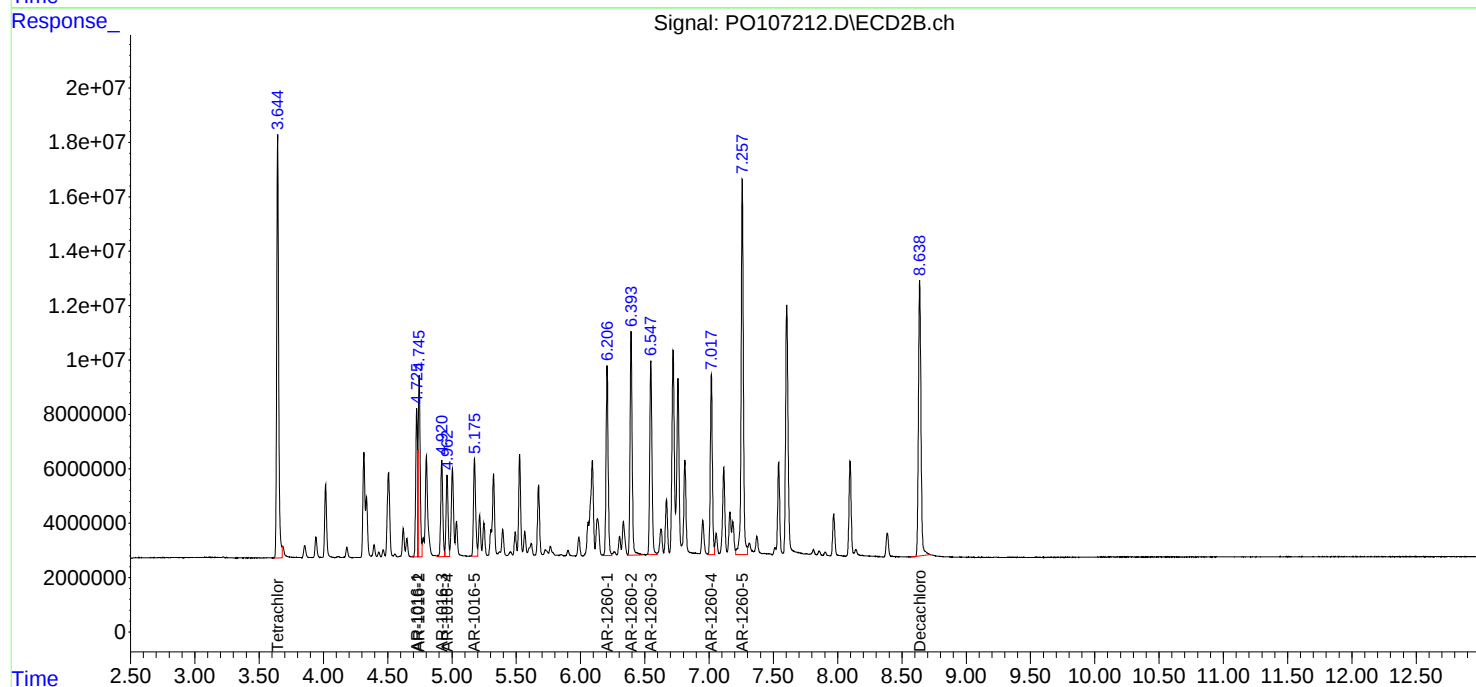
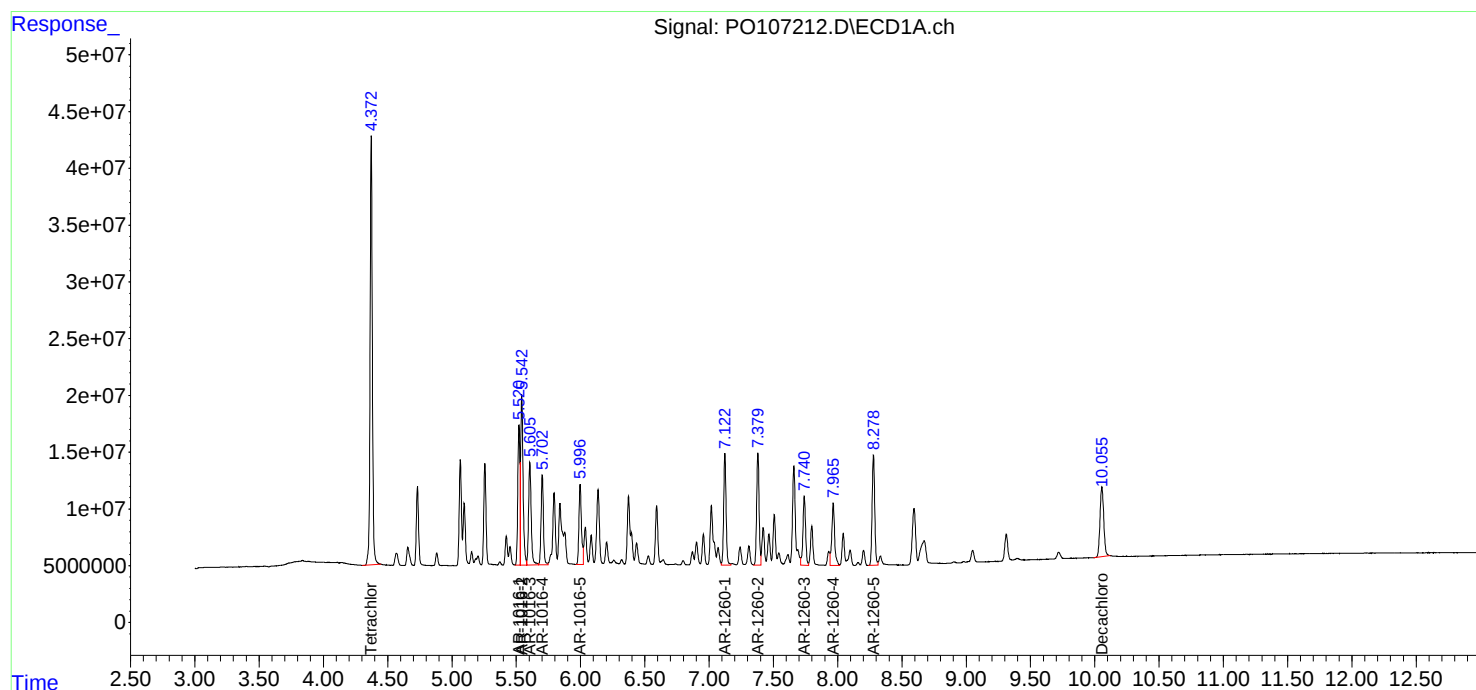
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

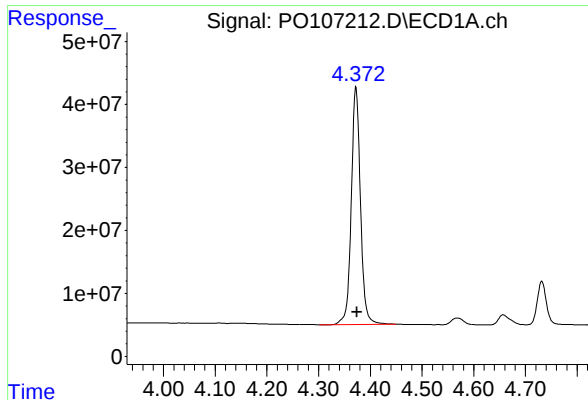
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 2024
Response via : 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

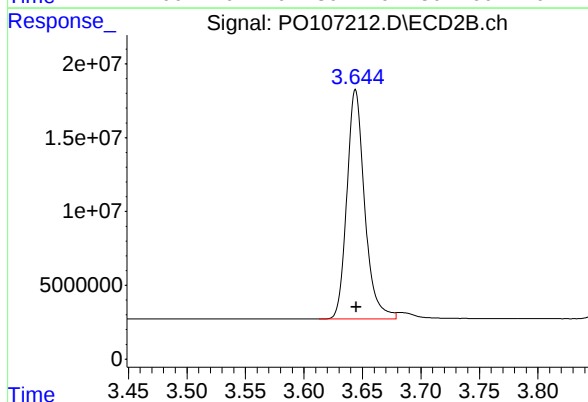




#1 Tetrachloro-m-xylene

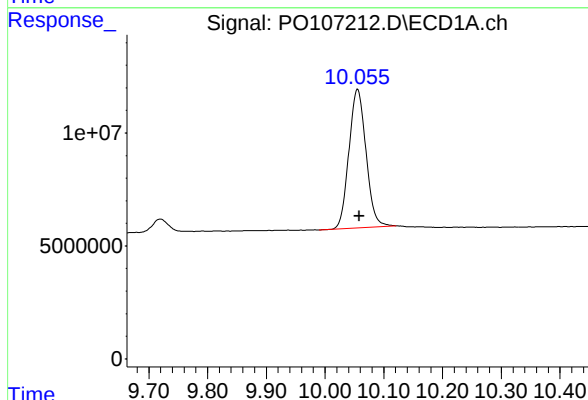
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 465340275
Conc: 51.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



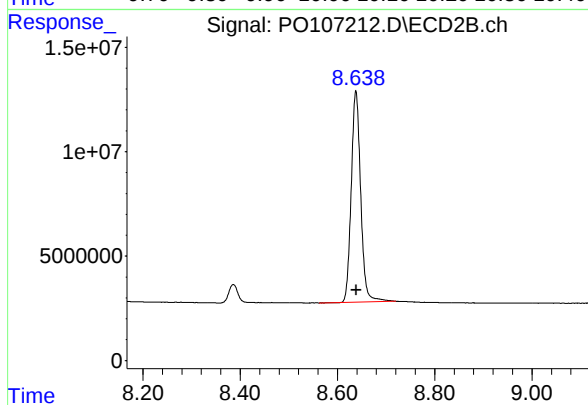
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 164419985
Conc: 51.09 ng/ml



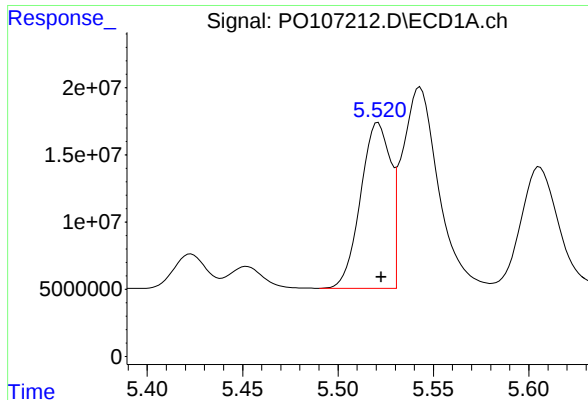
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.003 min
Response: 123888908
Conc: 50.50 ng/ml



#2 Decachlorobiphenyl

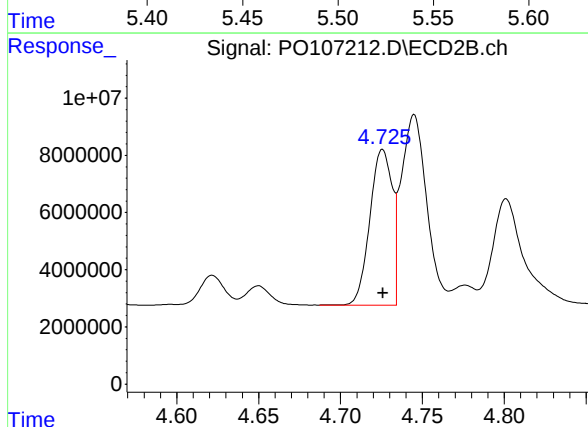
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 136053579
Conc: 49.63 ng/ml



#3 AR-1016-1

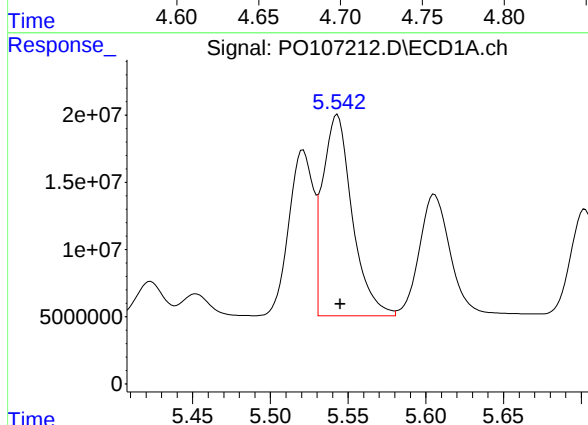
R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 134937005
Conc: 500.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



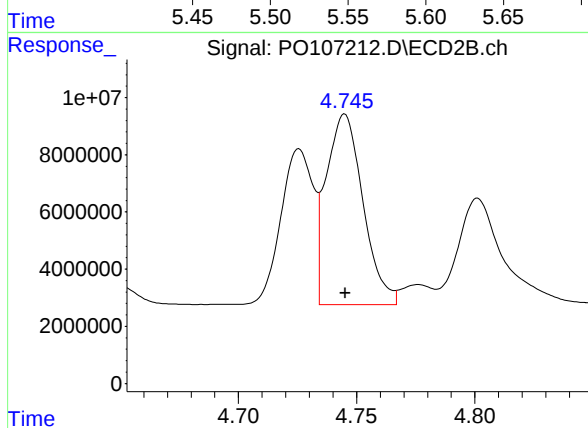
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 51843655
Conc: 502.04 ng/ml



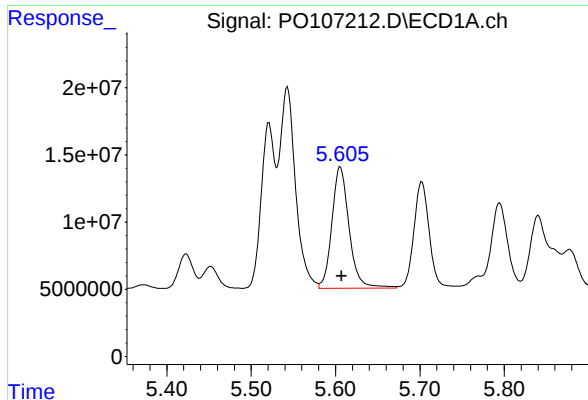
#4 AR-1016-2

R.T.: 5.543 min
Delta R.T.: -0.002 min
Response: 197751607
Conc: 498.26 ng/ml



#4 AR-1016-2

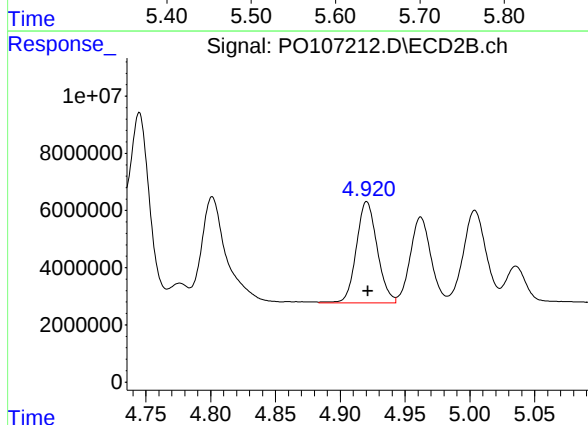
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 72270469
Conc: 512.67 ng/ml



#5 AR-1016-3

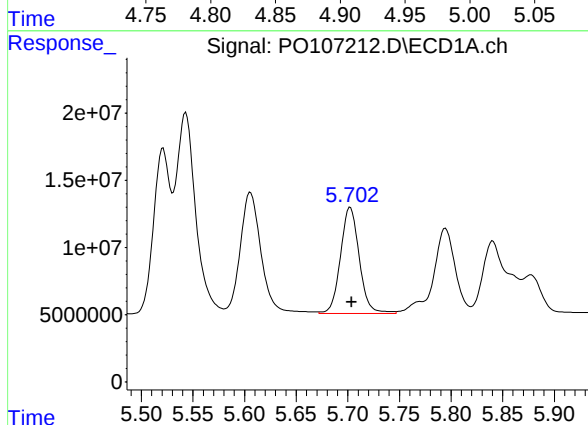
R.T.: 5.606 min
Delta R.T.: -0.002 min
Response: 128154908
Conc: 510.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



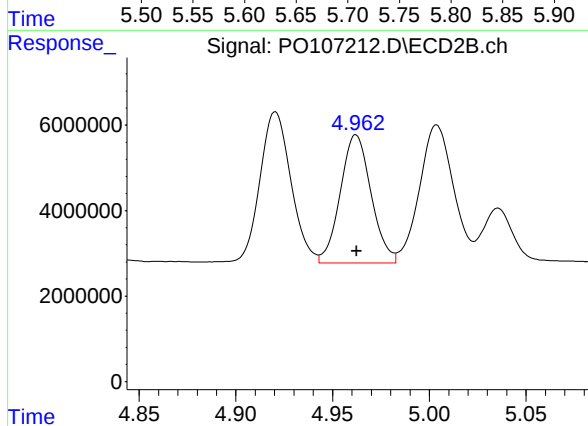
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 39765886
Conc: 504.99 ng/ml



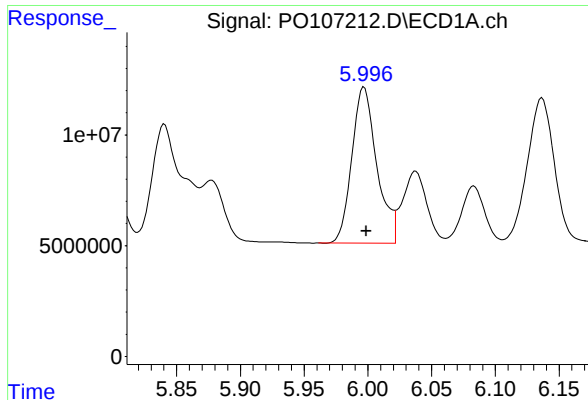
#6 AR-1016-4

R.T.: 5.702 min
Delta R.T.: -0.002 min
Response: 100324433
Conc: 520.86 ng/ml



#6 AR-1016-4

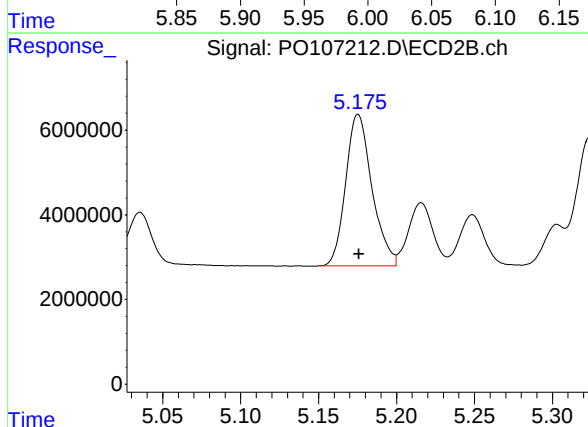
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 33242228
Conc: 502.84 ng/ml



#7 AR-1016-5

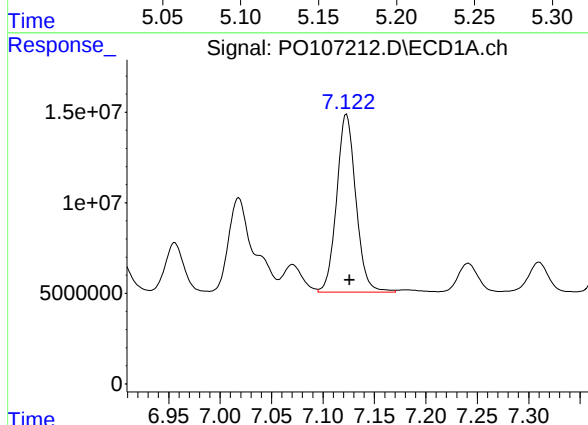
R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 96027789
Conc: 525.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



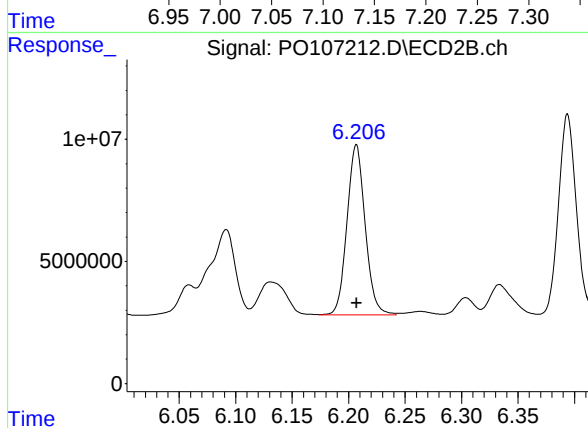
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 42039253
Conc: 511.84 ng/ml



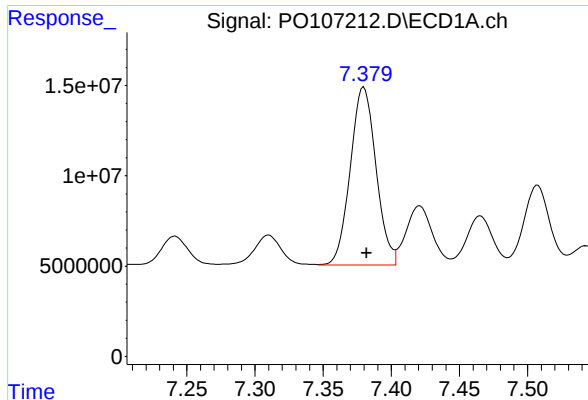
#31 AR-1260-1

R.T.: 7.123 min
Delta R.T.: -0.003 min
Response: 127806458
Conc: 494.25 ng/ml



#31 AR-1260-1

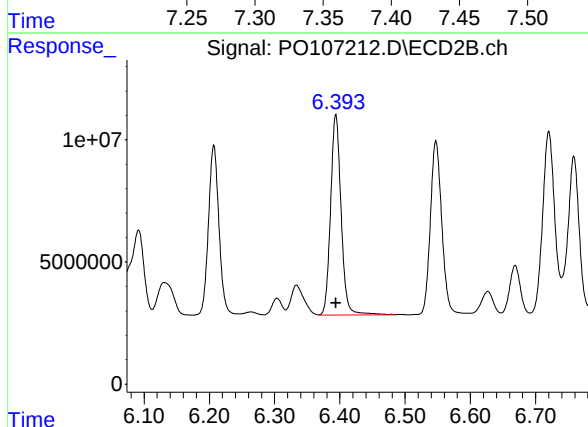
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 78048903
Conc: 503.04 ng/ml



#32 AR-1260-2

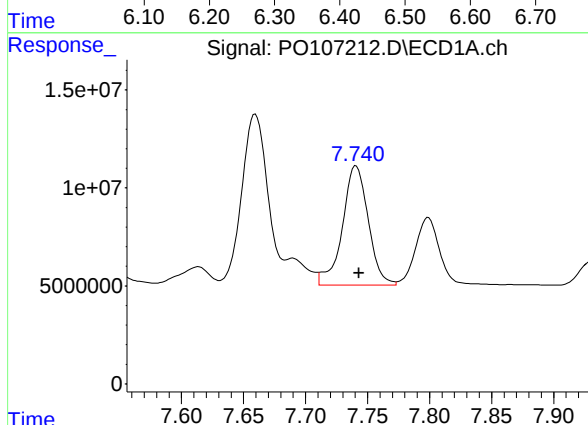
R.T.: 7.380 min
Delta R.T.: -0.002 min
Response: 129530294
Conc: 492.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



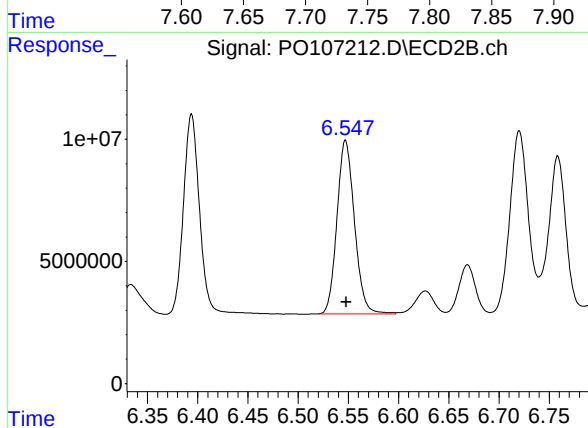
#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 92023271
Conc: 522.52 ng/ml



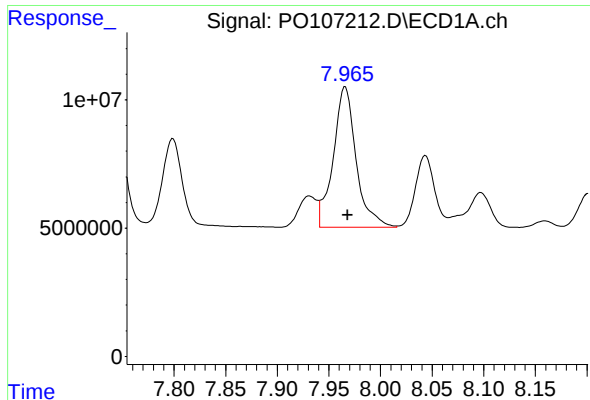
#33 AR-1260-3

R.T.: 7.741 min
Delta R.T.: -0.002 min
Response: 88394667
Conc: 491.78 ng/ml



#33 AR-1260-3

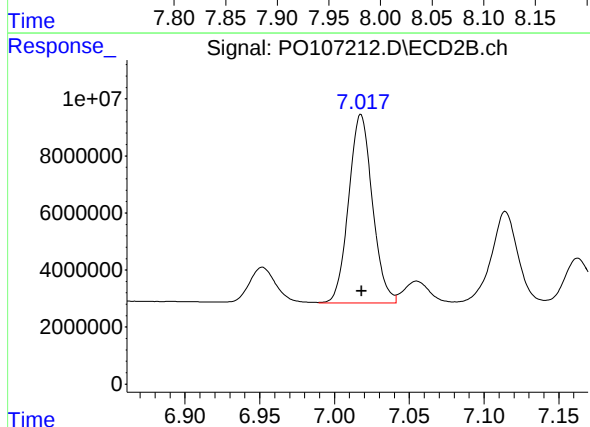
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 86099269
Conc: 513.27 ng/ml



#34 AR-1260-4

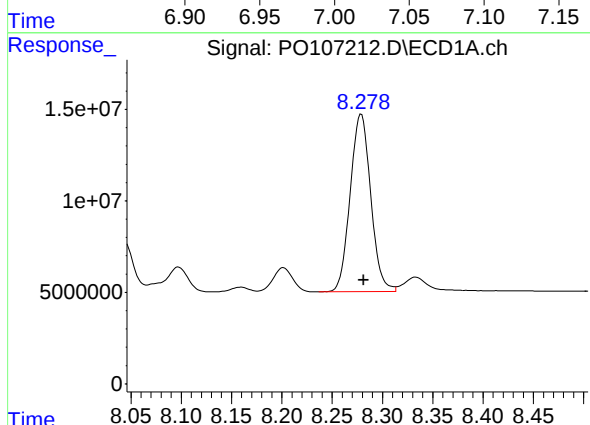
R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 84877632
Conc: 483.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524



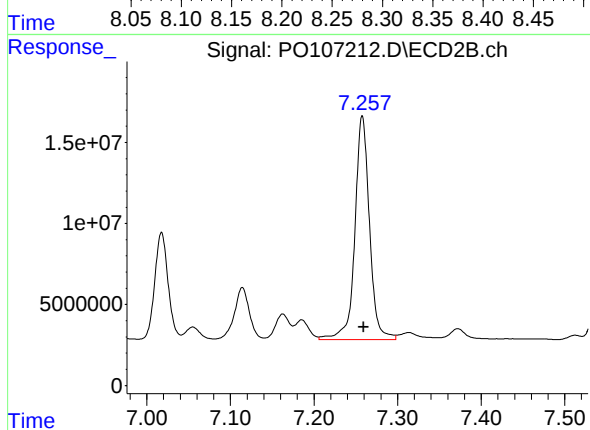
#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 73152631
Conc: 505.61 ng/ml



#35 AR-1260-5

R.T.: 8.279 min
Delta R.T.: -0.002 min
Response: 138075337
Conc: 485.51 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 168025694
Conc: 510.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107213.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 03:12
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:37:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:36:18 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	462.5E6	169.0E6	51.003	52.312
2) SA Decachlor...	10.058	8.637	124.4E6	137.6E6	50.838	50.298
Target Compounds						
16) L4 AR-1242-1	5.522	4.726	112.5E6	42391283	503.251	506.204
17) L4 AR-1242-2	5.544	4.745	161.7E6	59212746	499.677	512.049
18) L4 AR-1242-3	5.606	4.921	104.8E6	32647360	501.419	514.673
19) L4 AR-1242-4	5.703	5.004	80827975	32698937	505.157	510.527
20) L4 AR-1242-5	6.436	5.526	77500840	39282831	495.270	506.721

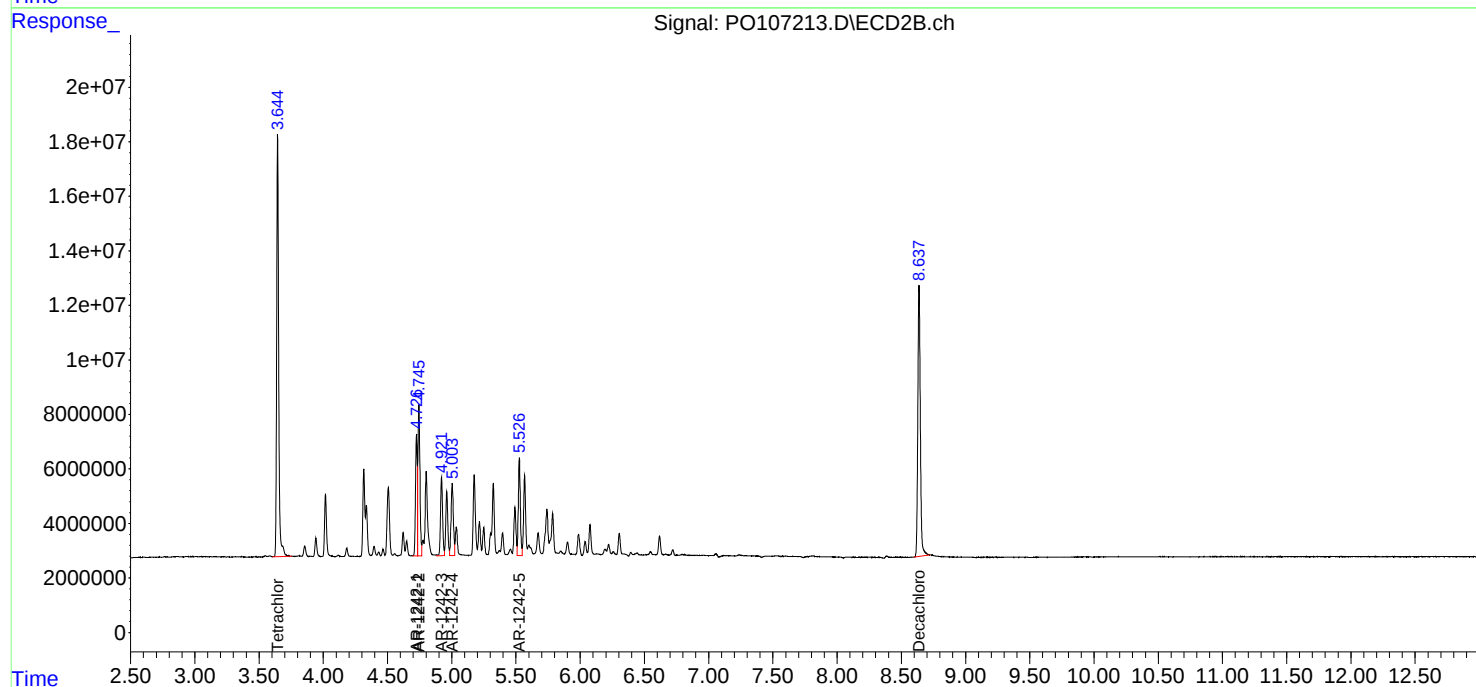
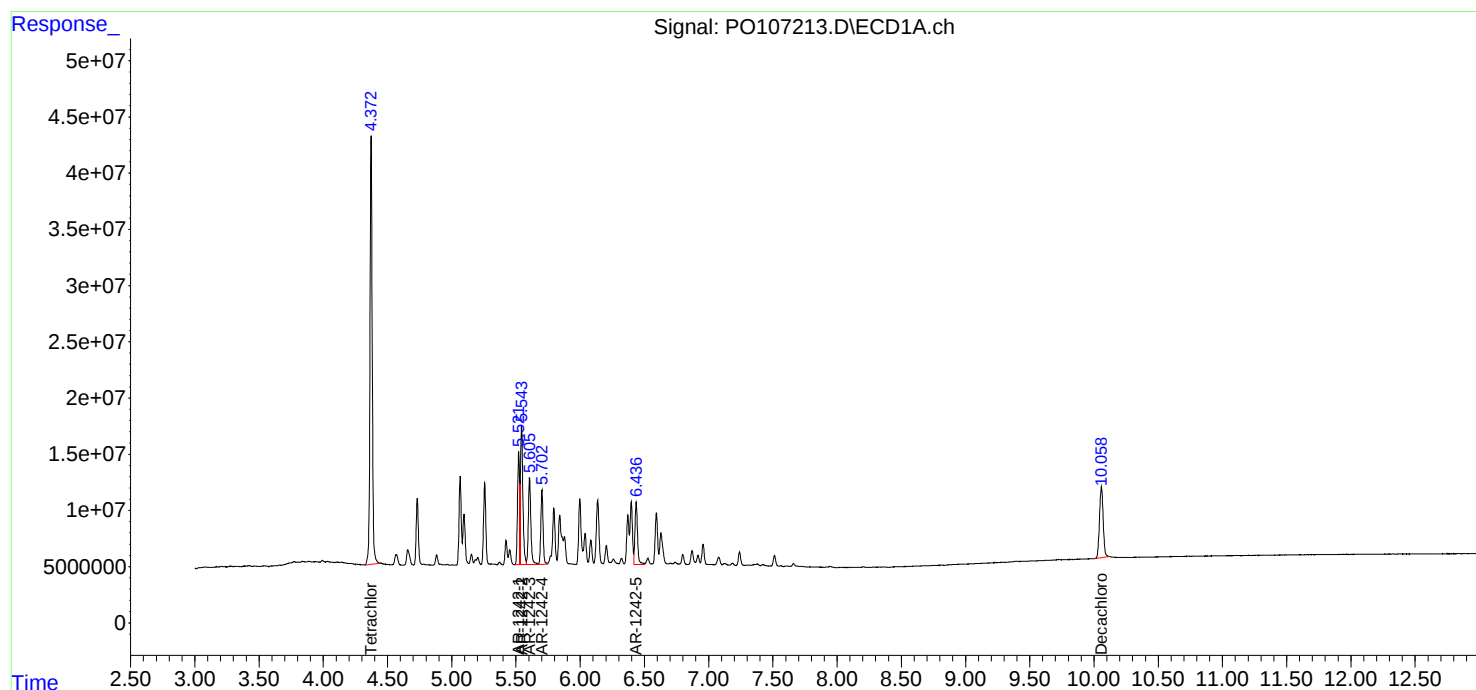
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

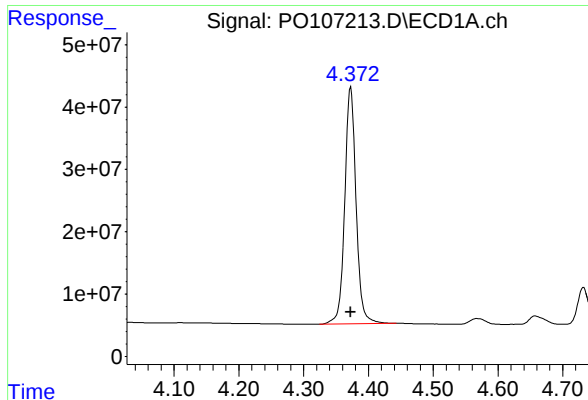
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 2024
Response via : 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

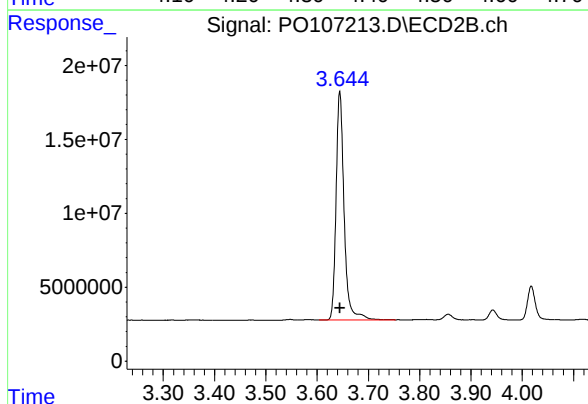




#1 Tetrachloro-m-xylene

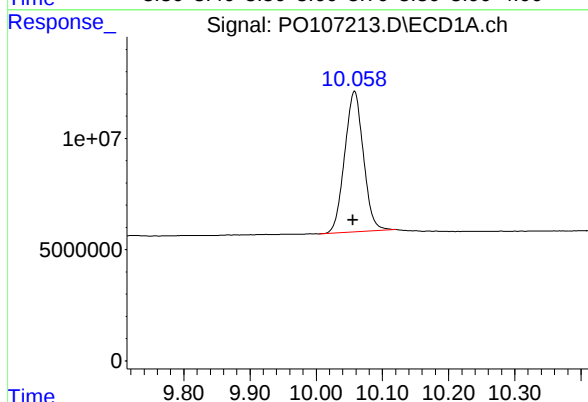
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 462467958
Conc: 51.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



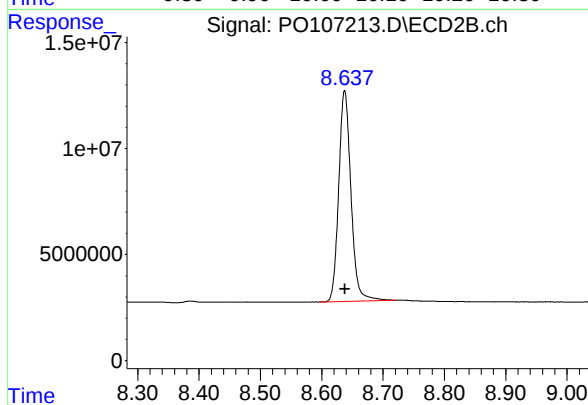
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 169014013
Conc: 52.31 ng/ml



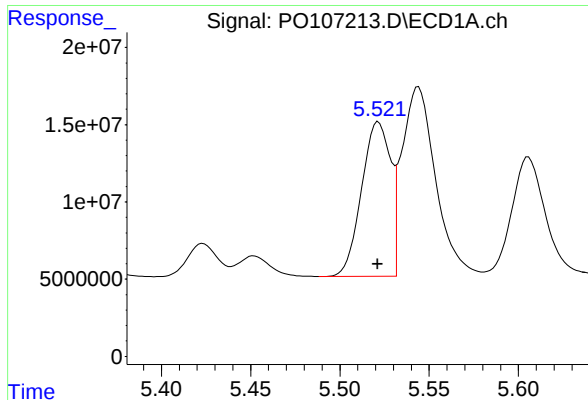
#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.003 min
Response: 124432920
Conc: 50.84 ng/ml



#2 Decachlorobiphenyl

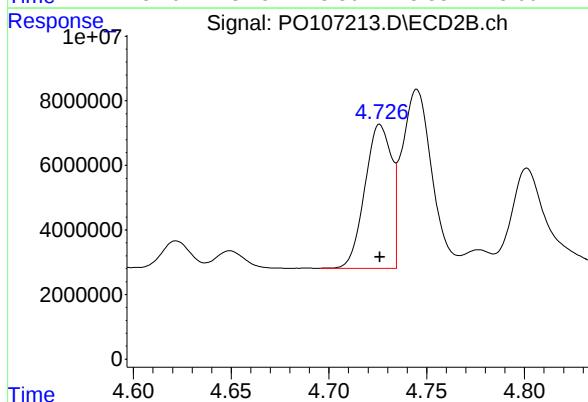
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 137612293
Conc: 50.30 ng/ml



#16 AR-1242-1

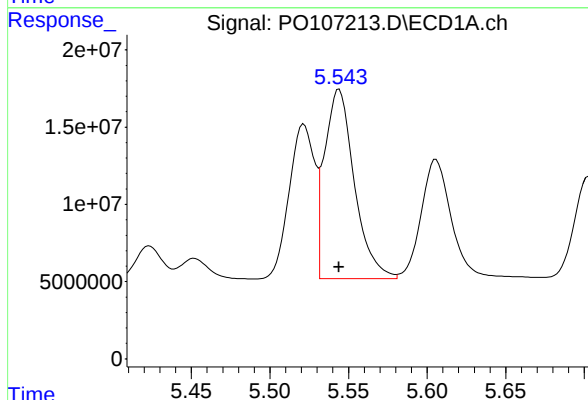
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 112547896
Conc: 503.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



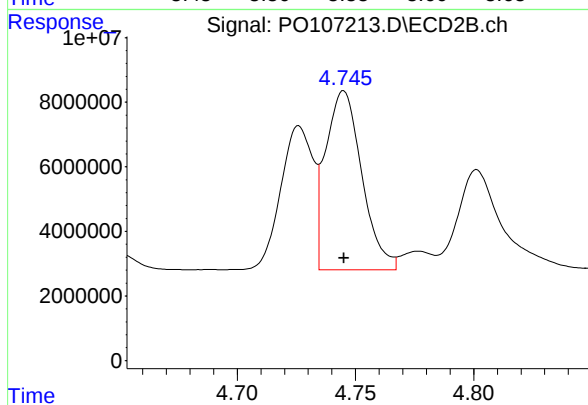
#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 42391283
Conc: 506.20 ng/ml



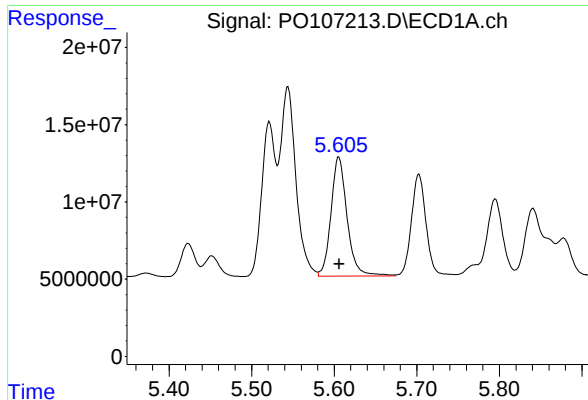
#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 161655864
Conc: 499.68 ng/ml



#17 AR-1242-2

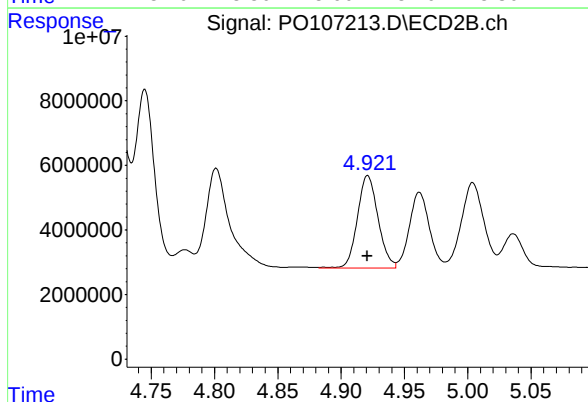
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 59212746
Conc: 512.05 ng/ml



#18 AR-1242-3

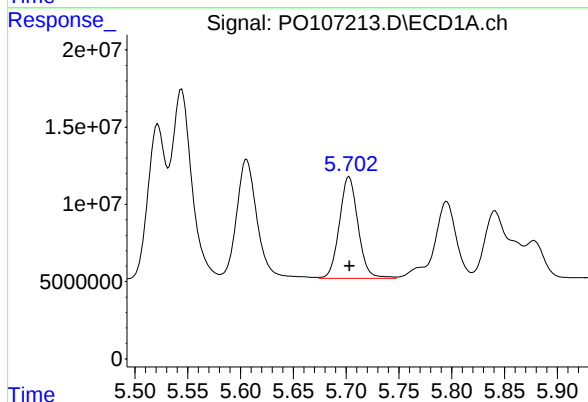
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 104784876
Conc: 501.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



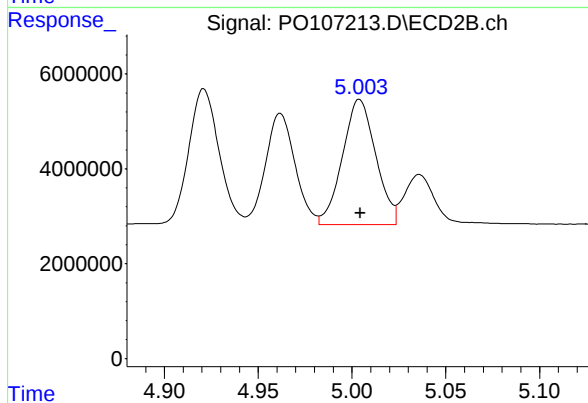
#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 32647360
Conc: 514.67 ng/ml



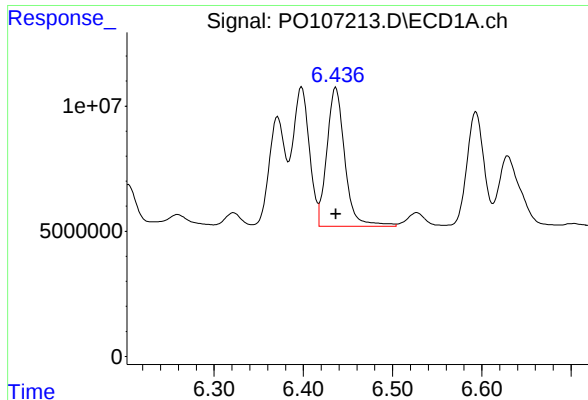
#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 80827975
Conc: 505.16 ng/ml



#19 AR-1242-4

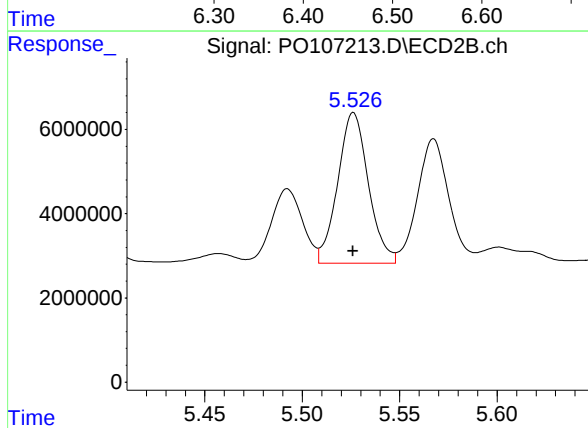
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 32698937
Conc: 510.53 ng/ml



#20 AR-1242-5

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 77500840
Conc: 495.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242



#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 39282831
Conc: 506.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107214.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 03:30
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:41:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:40:31 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	468.2E6	171.8E6	51.242	52.316
2) SA Decachlor...	10.056	8.637	126.4E6	139.3E6	51.882	50.991
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	87306267	32470217	502.117	511.816
22) L5 AR-1248-2	5.794	4.962	126.0E6	46450269	498.018	507.736
23) L5 AR-1248-3	5.997	5.004	130.0E6	48736000	508.271	510.896
24) L5 AR-1248-4	6.397	5.175	129.0E6	57212370	500.494	510.195
25) L5 AR-1248-5	6.436	5.567	130.2E6	54714064	500.737	496.185

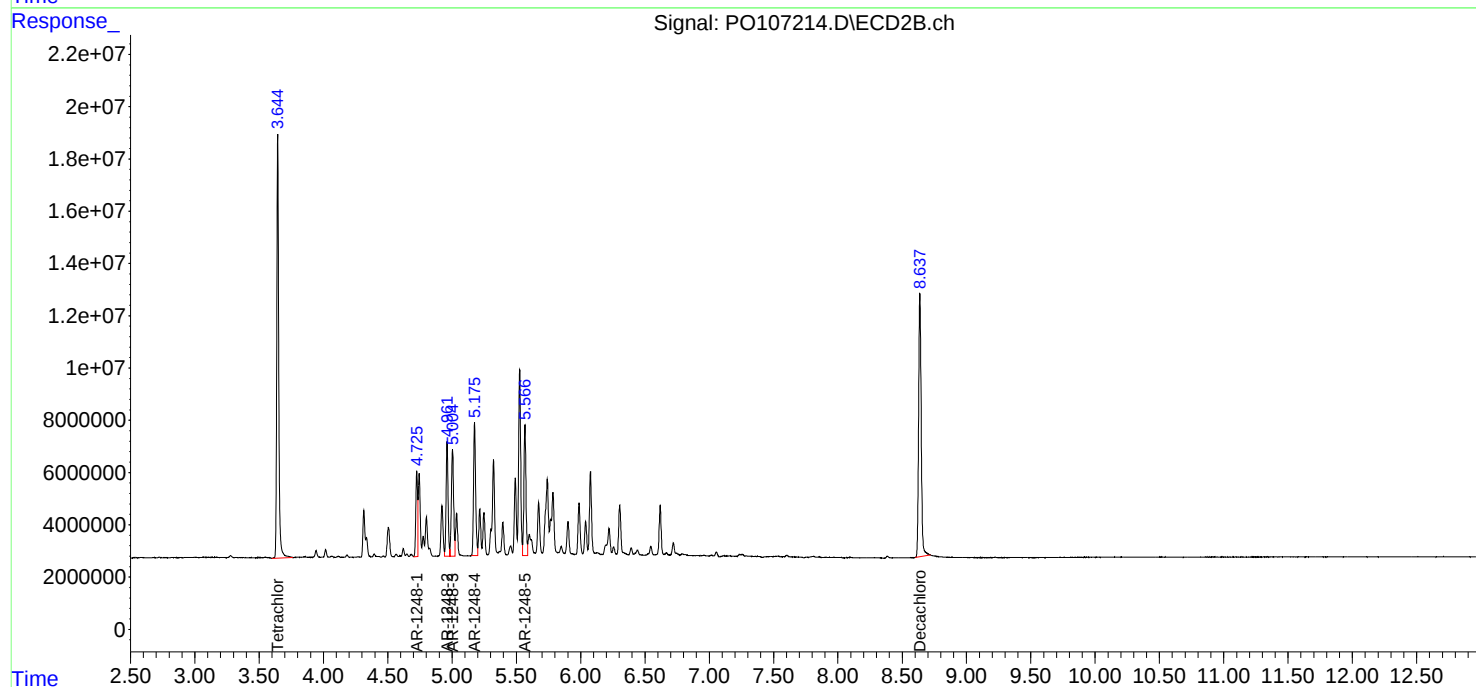
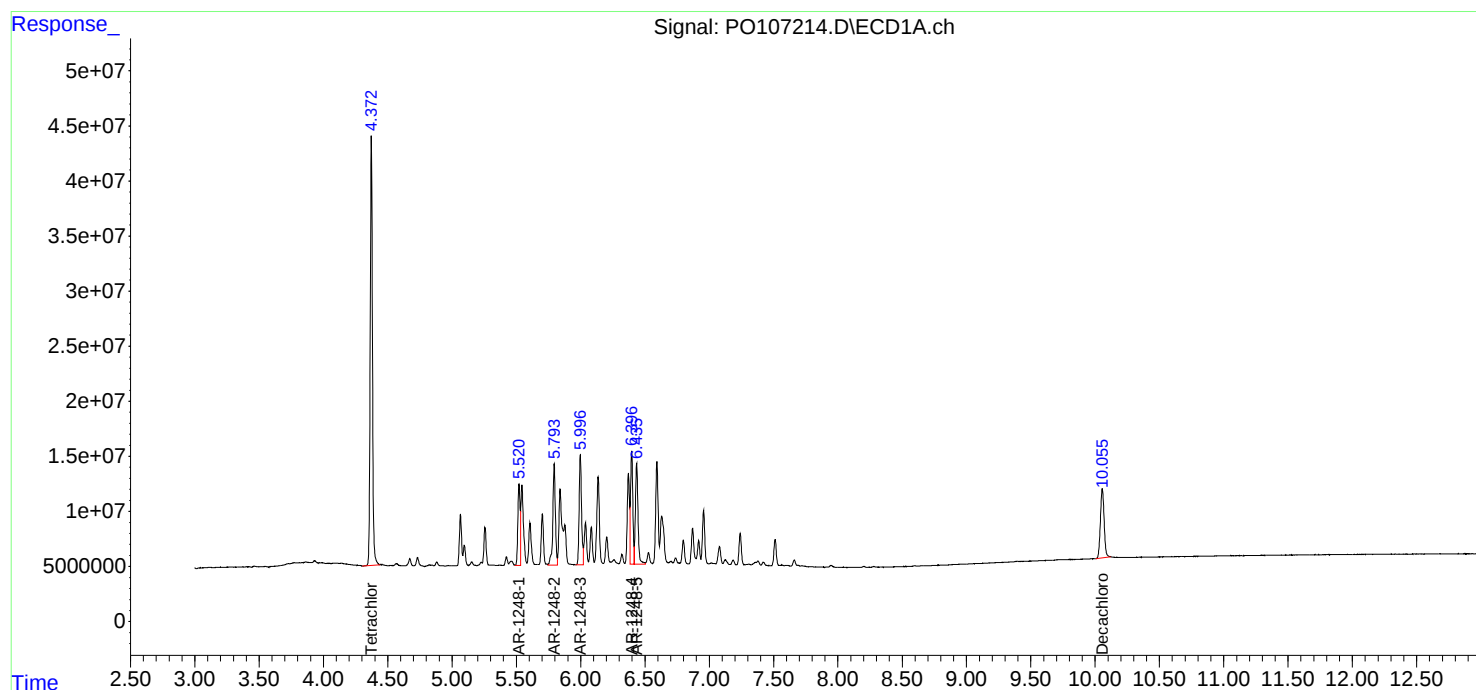
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

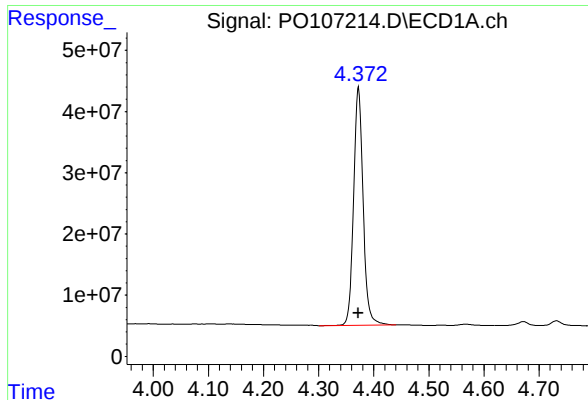
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 2024
Response via : 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

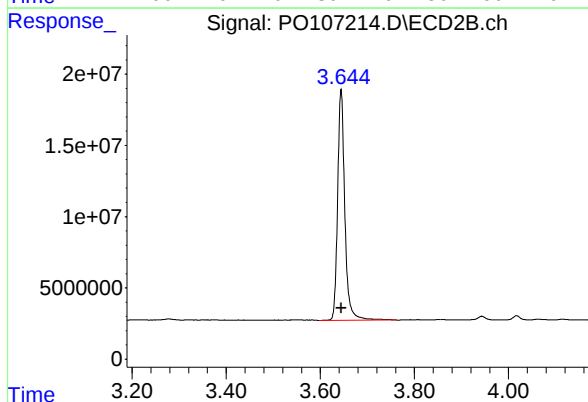




#1 Tetrachloro-m-xylene

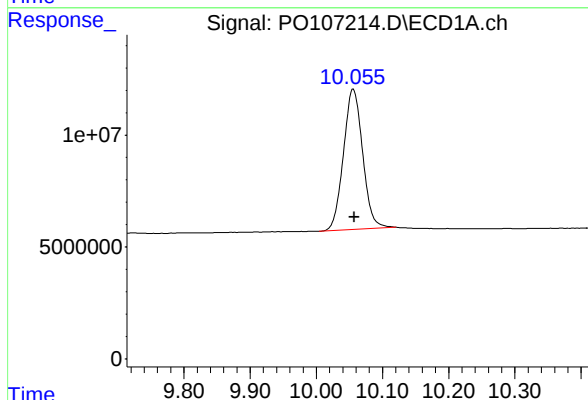
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 468218495
Conc: 51.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248



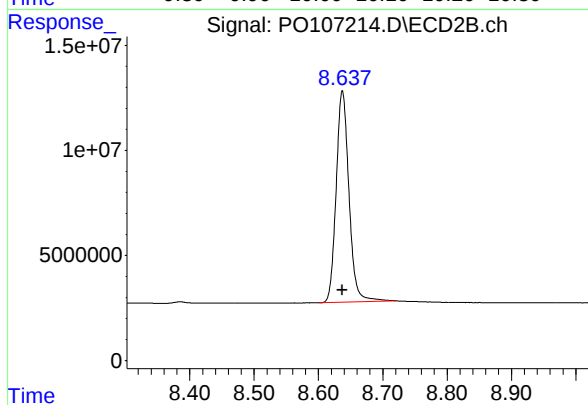
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 171820409
Conc: 52.32 ng/ml



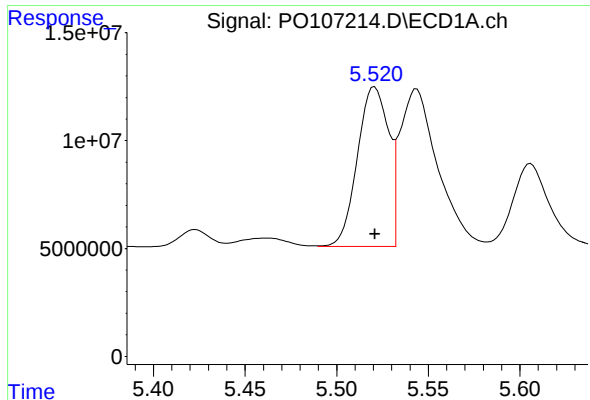
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 126367490
Conc: 51.88 ng/ml



#2 Decachlorobiphenyl

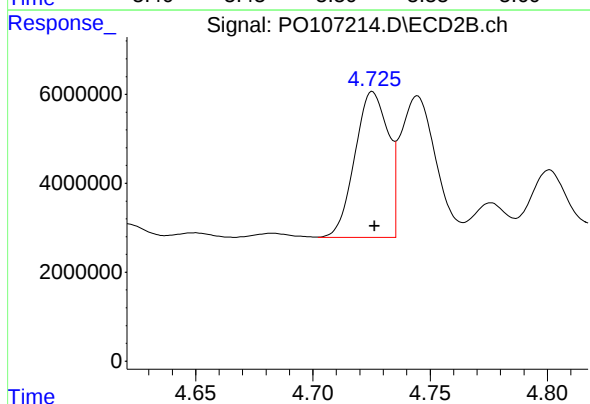
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 139311316
Conc: 50.99 ng/ml



#21 AR-1248-1

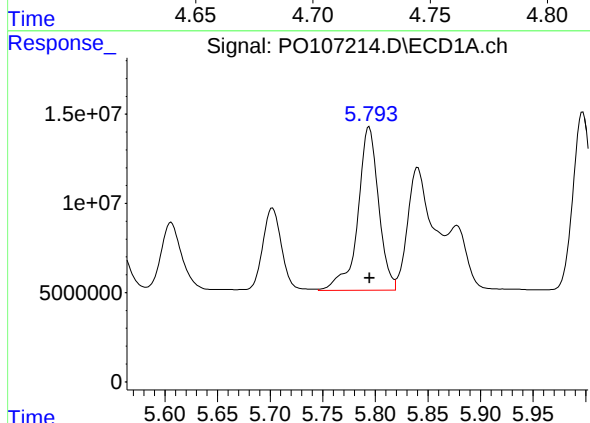
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 87306267
Conc: 502.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248



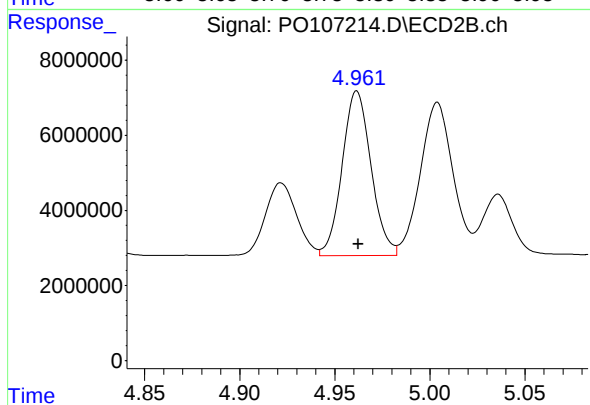
#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 32470217
Conc: 511.82 ng/ml



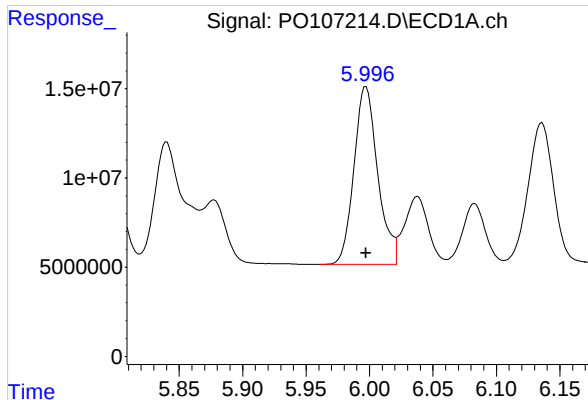
#22 AR-1248-2

R.T.: 5.794 min
Delta R.T.: 0.000 min
Response: 126011117
Conc: 498.02 ng/ml



#22 AR-1248-2

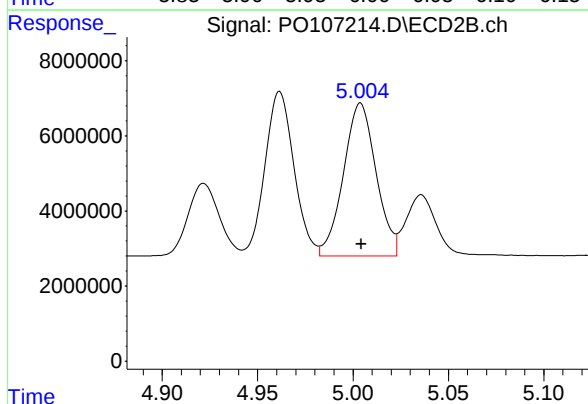
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 46450269
Conc: 507.74 ng/ml



#23 AR-1248-3

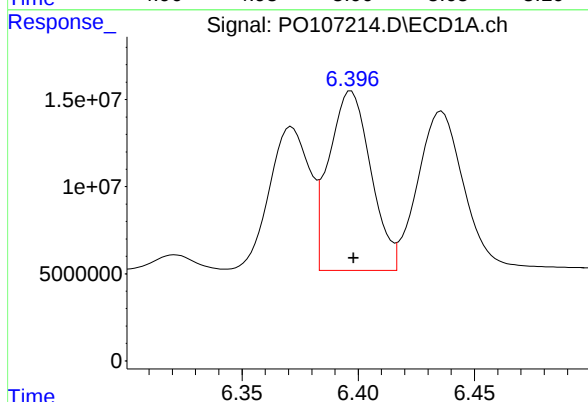
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 129957922
Conc: 508.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248



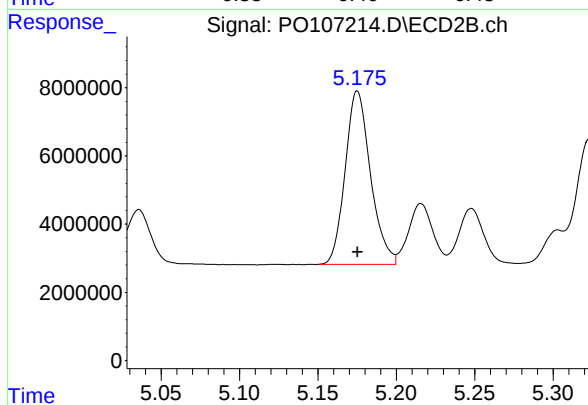
#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 48736000
Conc: 510.90 ng/ml



#24 AR-1248-4

R.T.: 6.397 min
Delta R.T.: -0.001 min
Response: 129038438
Conc: 500.49 ng/ml



#24 AR-1248-4

R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 57212370
Conc: 510.19 ng/ml

Response_

Signal: PO107214.D\ECD1A.ch

#25 AR-1248-5

R.T.: 6.436 min

Delta R.T.: 0.000 min

Response: 130213442

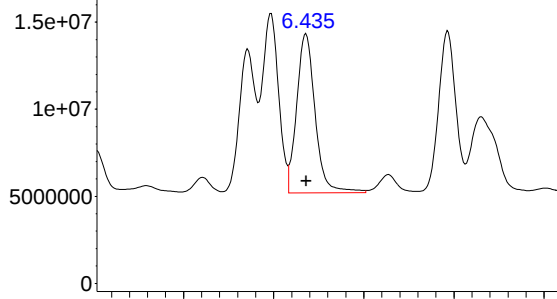
Conc: 500.74 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO101524AR1248



Time

Response_

Signal: PO107214.D\ECD2B.ch

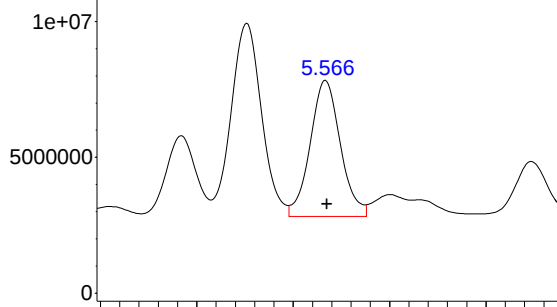
#25 AR-1248-5

R.T.: 5.567 min

Delta R.T.: 0.000 min

Response: 54714064

Conc: 496.18 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107215.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 03:48
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:44:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:44:14 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	461.3E6	168.2E6	50.657	51.320
2) SA Decachlor...	10.057	8.638	125.1E6	138.4E6	51.131	50.597
Target Compounds						
26) L6 AR-1254-1	6.374	5.527	132.5E6	83096071	492.928	504.260
27) L6 AR-1254-2	6.592	5.673	186.6E6	72524753	494.424	500.299
28) L6 AR-1254-3	6.956	6.077	177.6E6	116.6E6	496.443	508.012
29) L6 AR-1254-4	7.242	6.304	112.6E6	65655140	490.851	507.289
30) L6 AR-1254-5	7.661	6.722	102.5E6	98535916	493.779	515.754

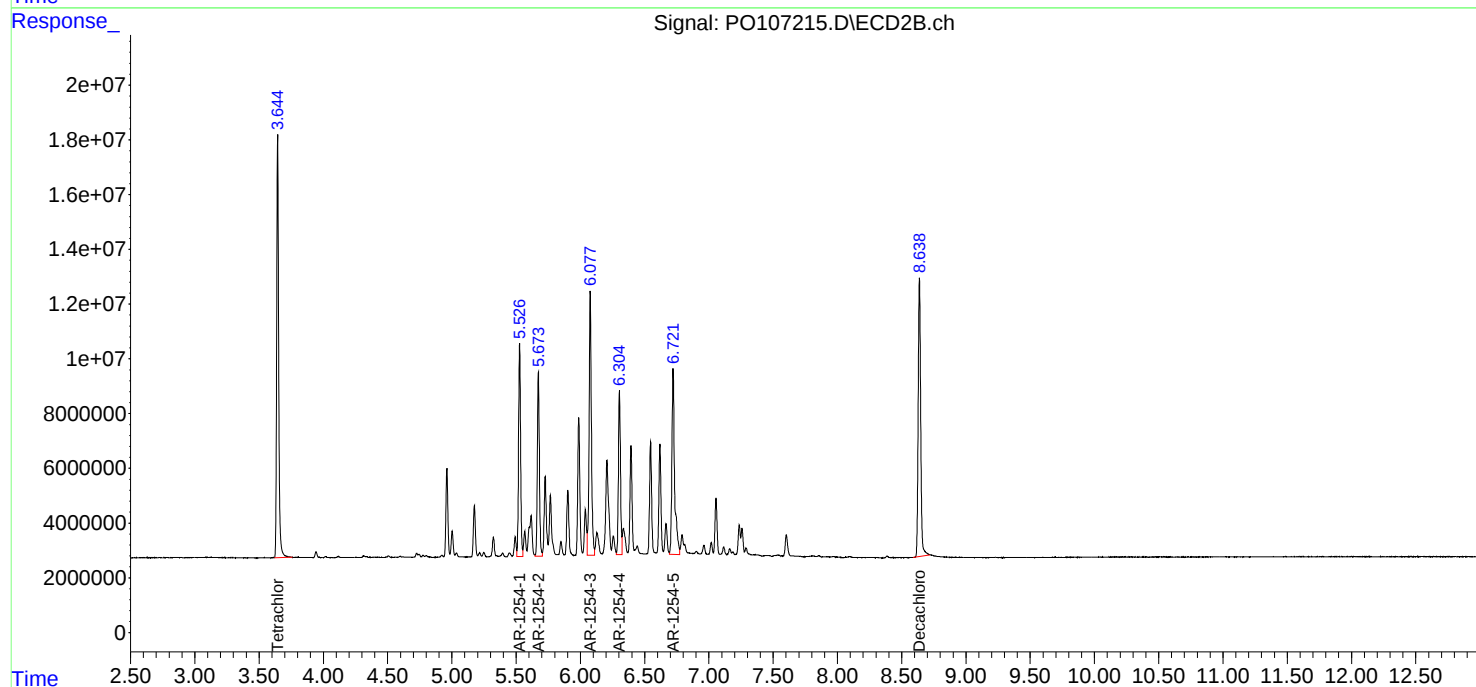
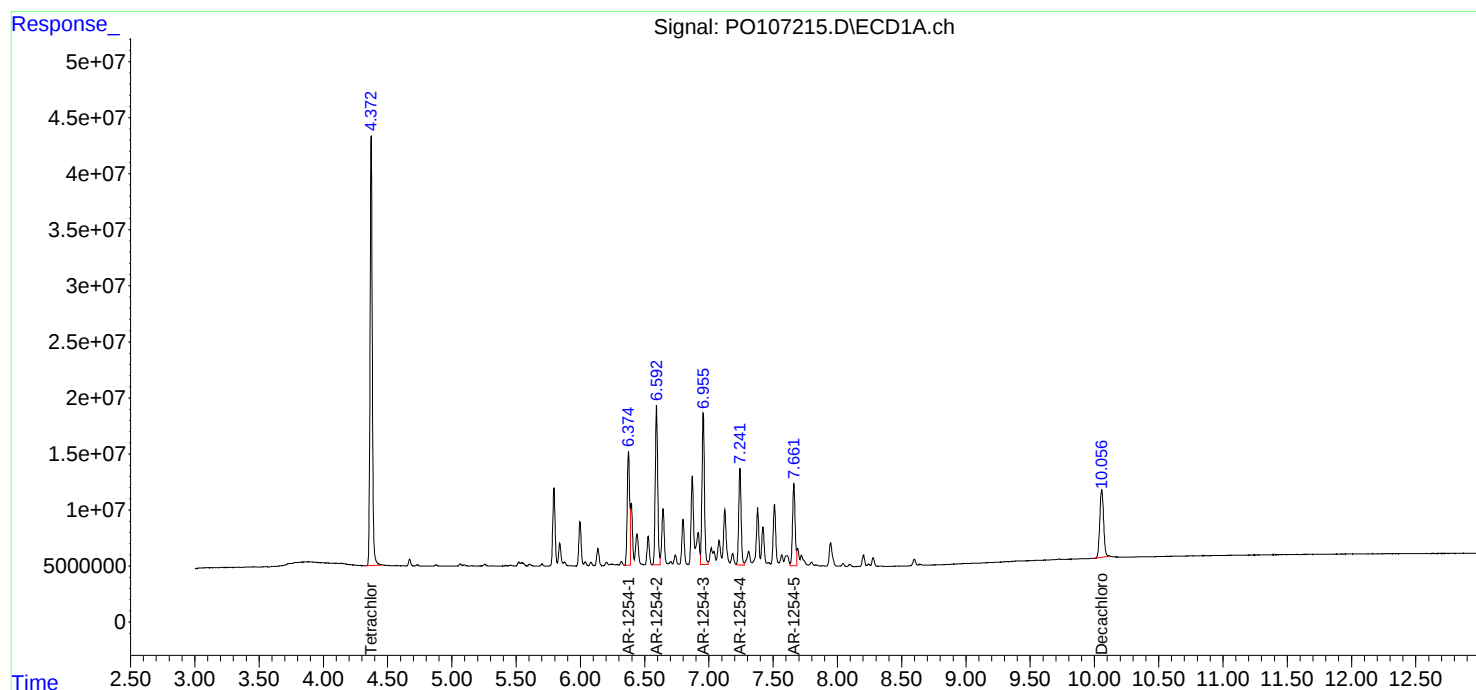
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

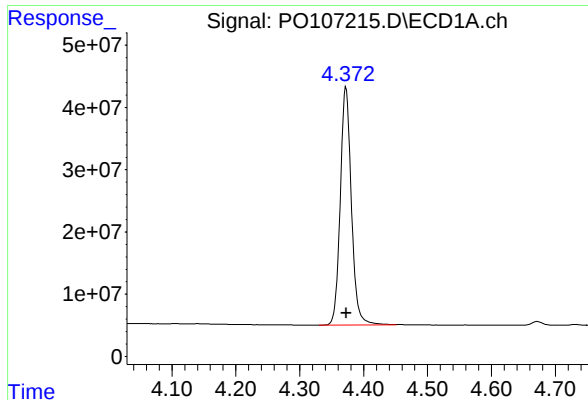
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 2024
Response via : 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

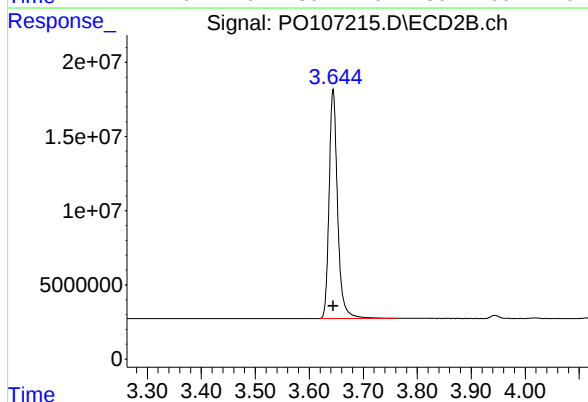




#1 Tetrachloro-m-xylene

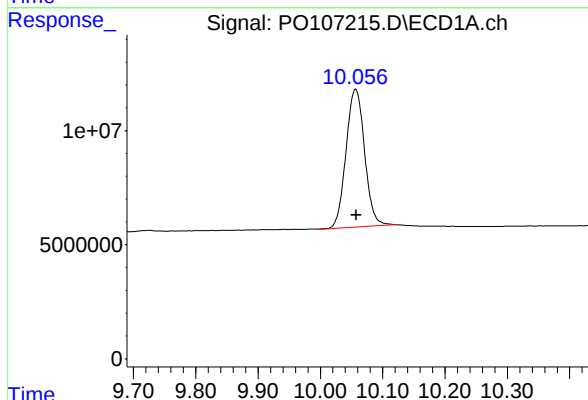
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 461315023
Conc: 50.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



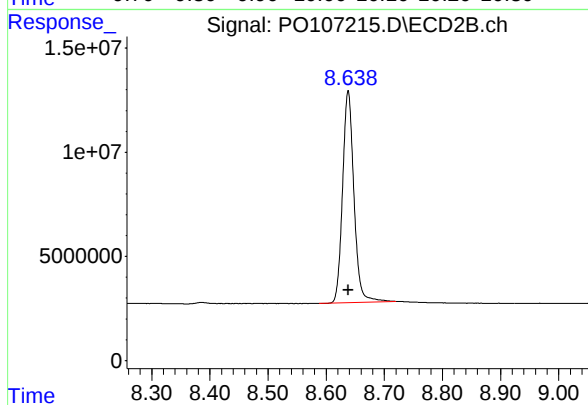
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 168249288
Conc: 51.32 ng/ml



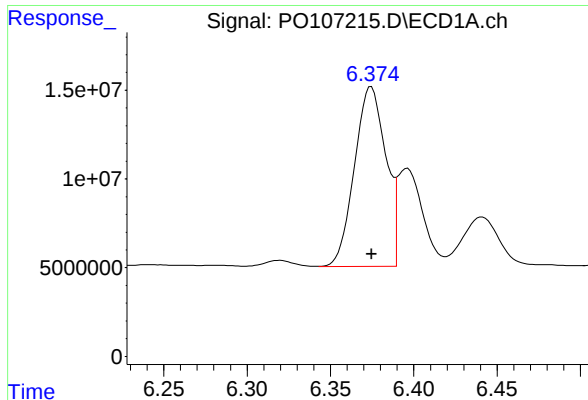
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 125059181
Conc: 51.13 ng/ml



#2 Decachlorobiphenyl

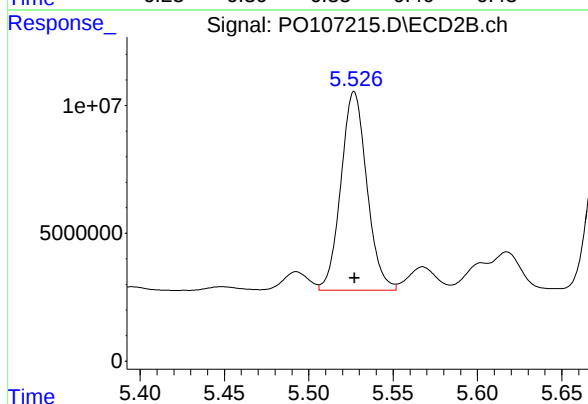
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 138374954
Conc: 50.60 ng/ml



#26 AR-1254-1

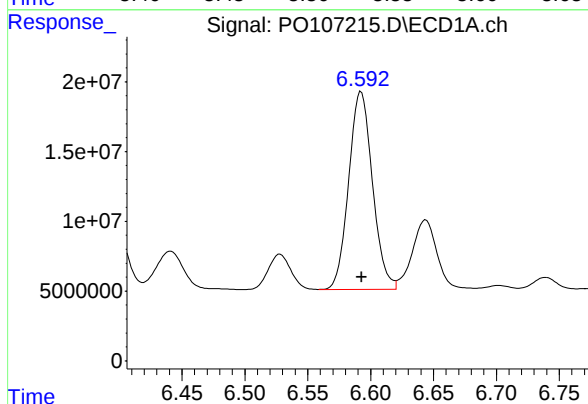
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 132473603
Conc: 492.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



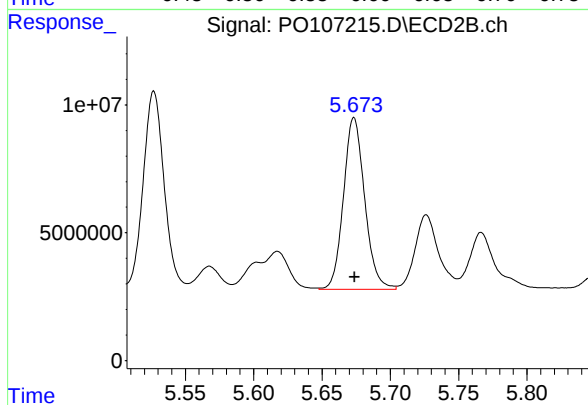
#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 83096071
Conc: 504.26 ng/ml



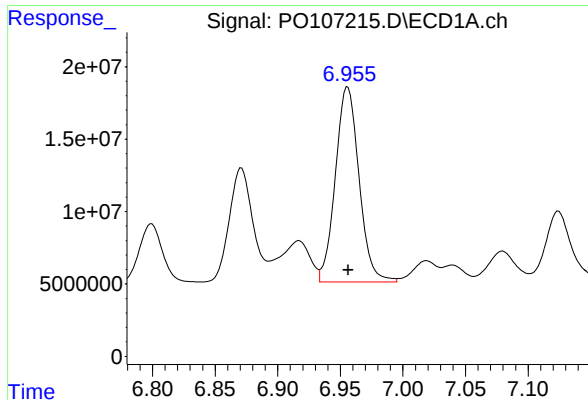
#27 AR-1254-2

R.T.: 6.592 min
Delta R.T.: 0.000 min
Response: 186598478
Conc: 494.42 ng/ml



#27 AR-1254-2

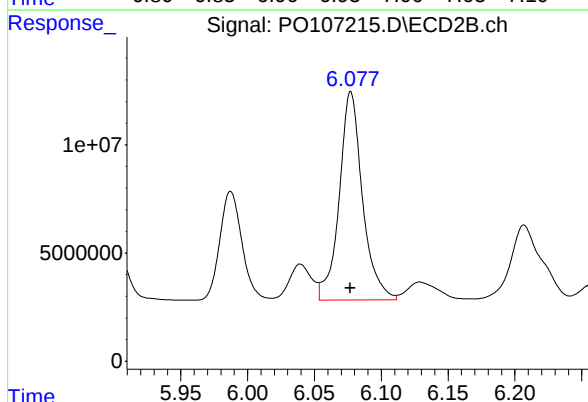
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 72524753
Conc: 500.30 ng/ml



#28 AR-1254-3

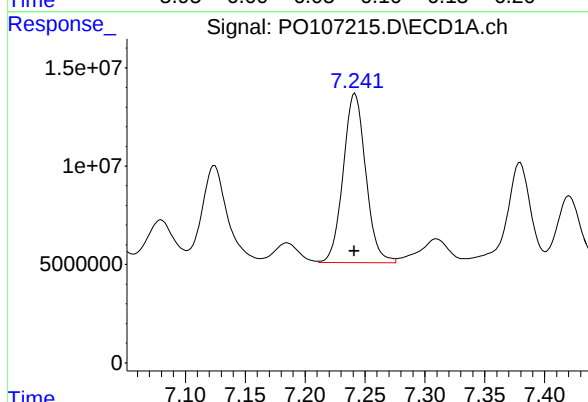
R.T.: 6.956 min
Delta R.T.: 0.000 min
Response: 177625713
Conc: 496.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



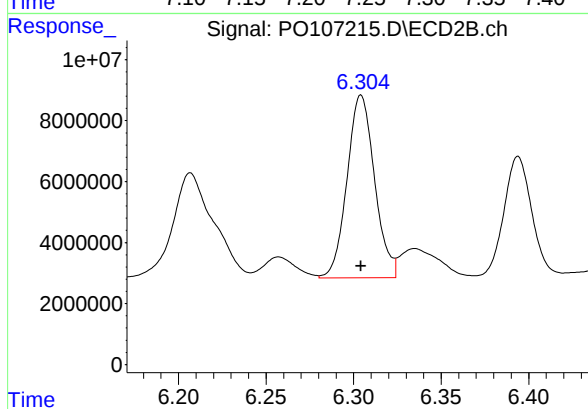
#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 116649998
Conc: 508.01 ng/ml



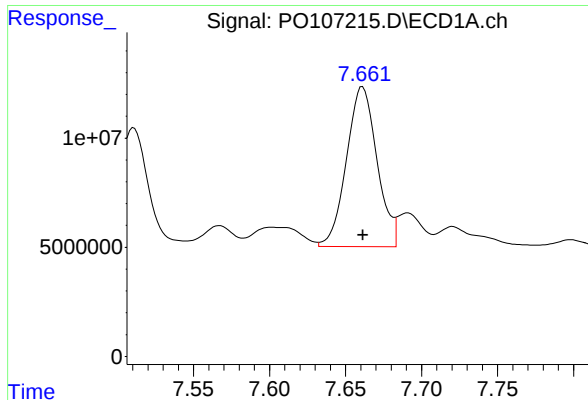
#29 AR-1254-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 112608571
Conc: 490.85 ng/ml



#29 AR-1254-4

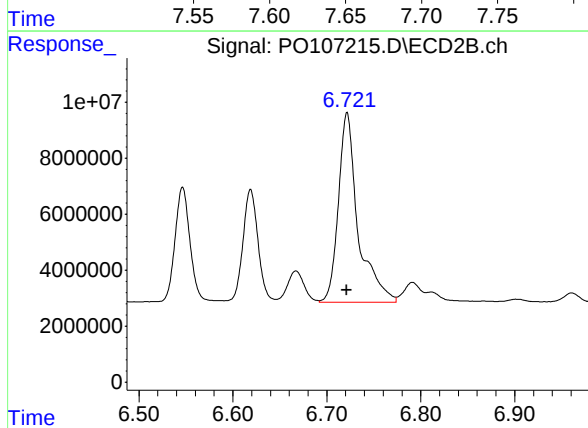
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 65655140
Conc: 507.29 ng/ml



#30 AR-1254-5

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 102531632
Conc: 493.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254



#30 AR-1254-5

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 98535916
Conc: 515.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107216.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 04:06
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:22:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	461.5E6	169.8E6	49.559	49.696
2) SA Decachlor...	10.057	8.638	214.2E6	240.5E6	50.485	49.870
Target Compounds						
41) L9 AR-1268-1	8.588	7.541	182.7E6	207.4E6	501.152	501.118
42) L9 AR-1268-2	8.678	7.606	163.0E6	192.3E6	501.726	501.439
43) L9 AR-1268-3	8.907	7.812	141.7E6	170.9E6	501.280	503.353
44) L9 AR-1268-4	9.313	8.096	57558867	64279608	501.757	505.004
45) L9 AR-1268-5	9.721	8.385	423.5E6	510.6E6	499.926	501.994

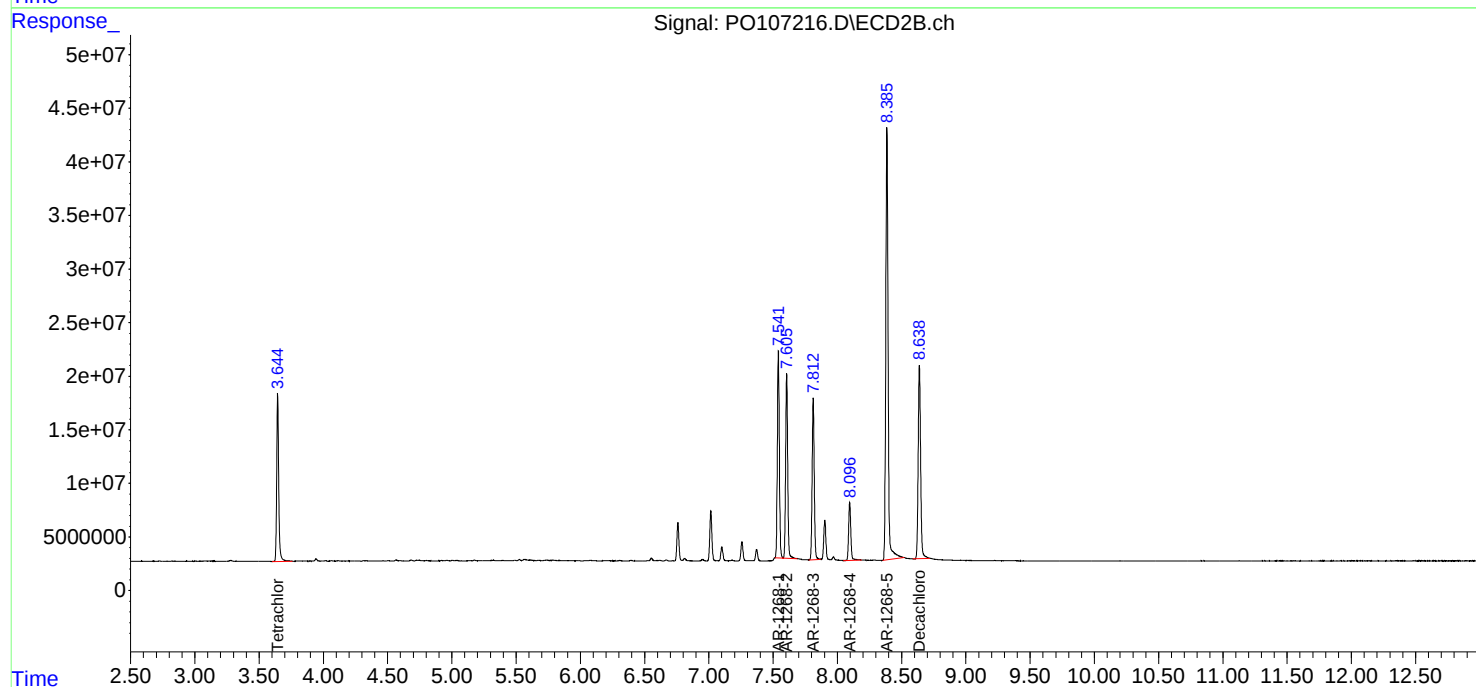
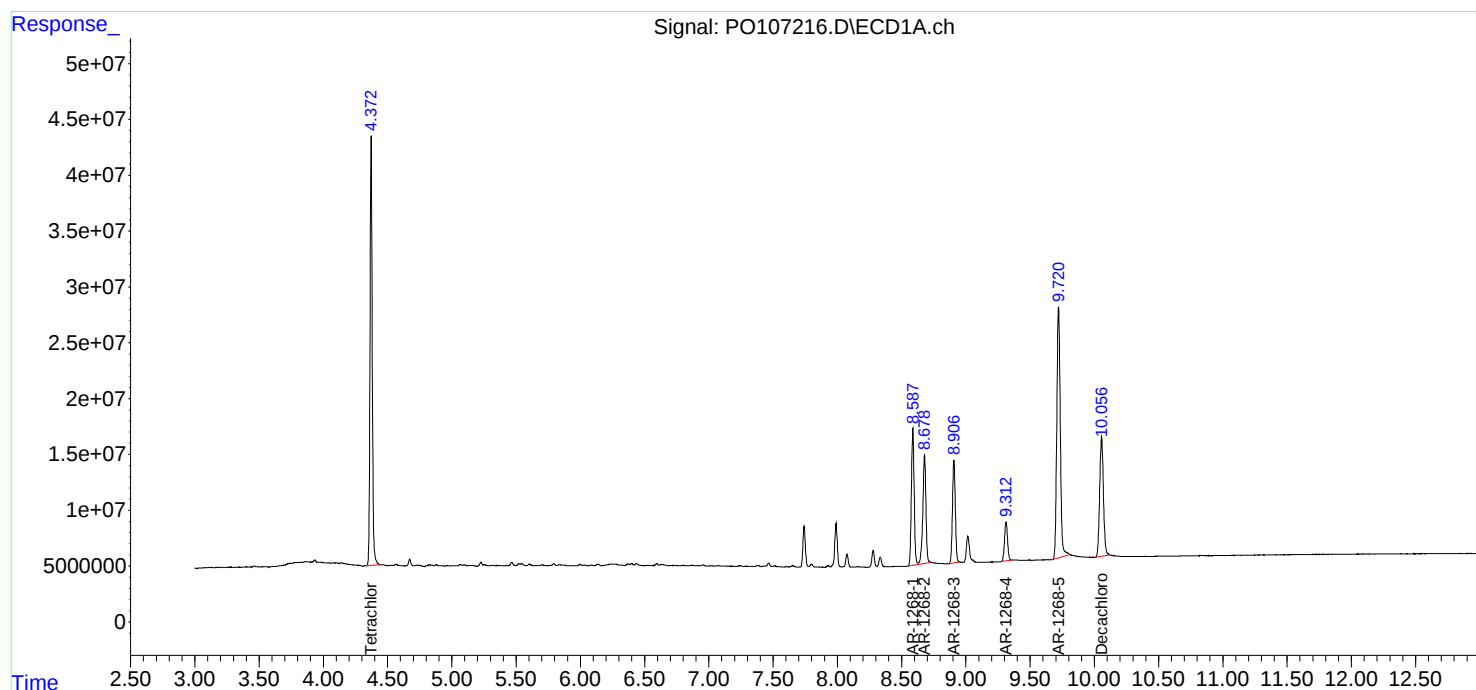
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

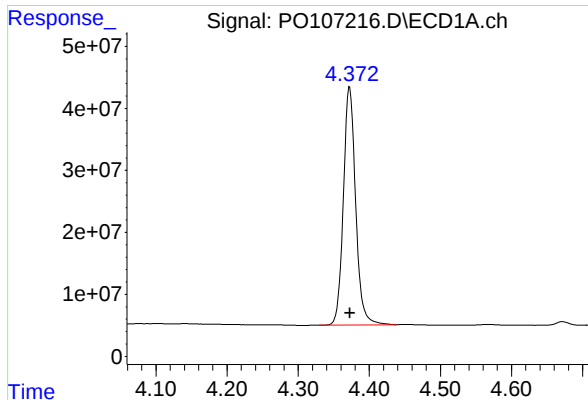
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : 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

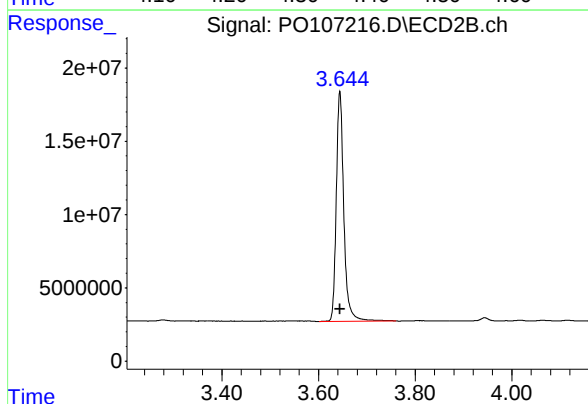




#1 Tetrachloro-m-xylene

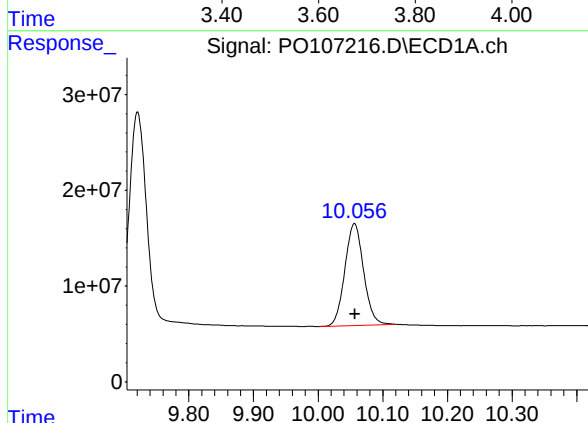
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 461469891
Conc: 49.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



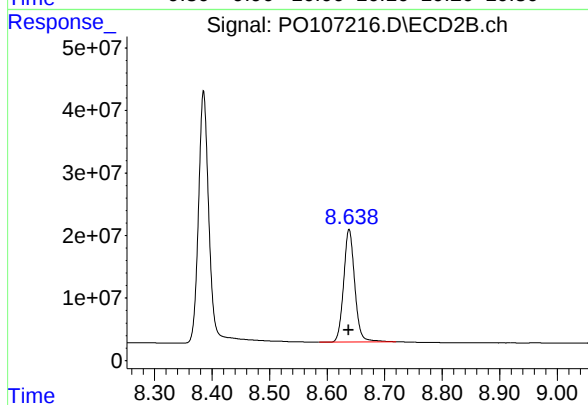
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 169767960
Conc: 49.70 ng/ml



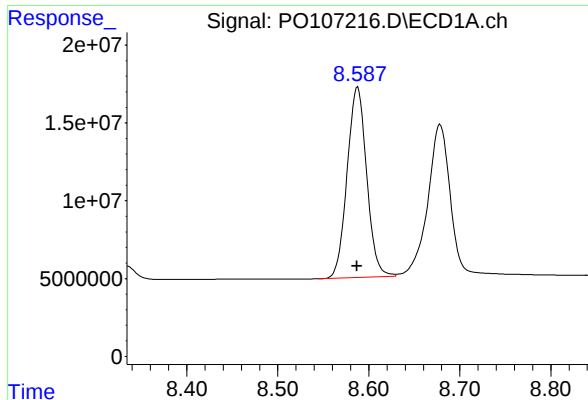
#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 214156109
Conc: 50.49 ng/ml



#2 Decachlorobiphenyl

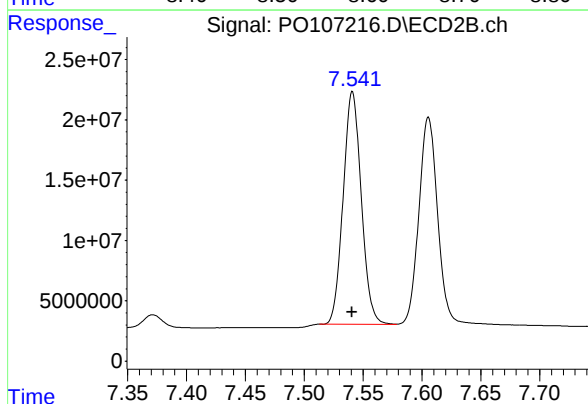
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 240548821
Conc: 49.87 ng/ml



#41 AR-1268-1

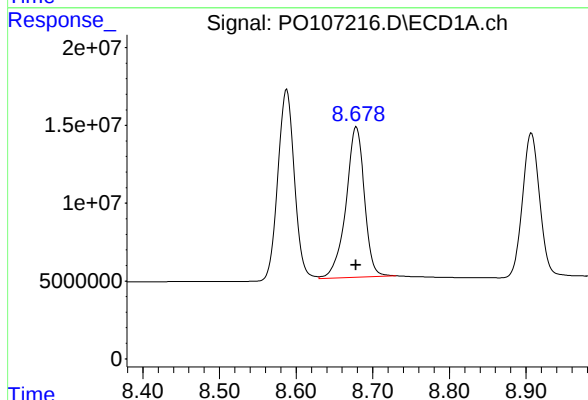
R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 182731516
Conc: 501.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



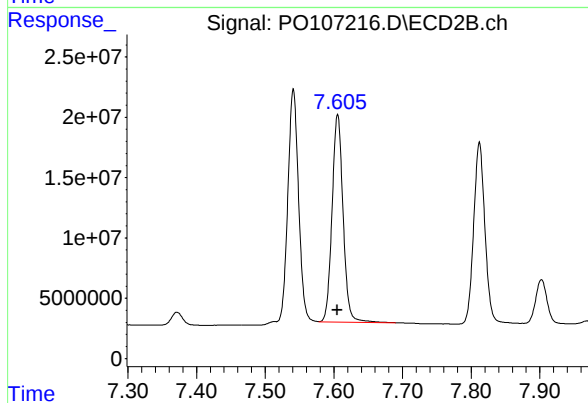
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 207394627
Conc: 501.12 ng/ml



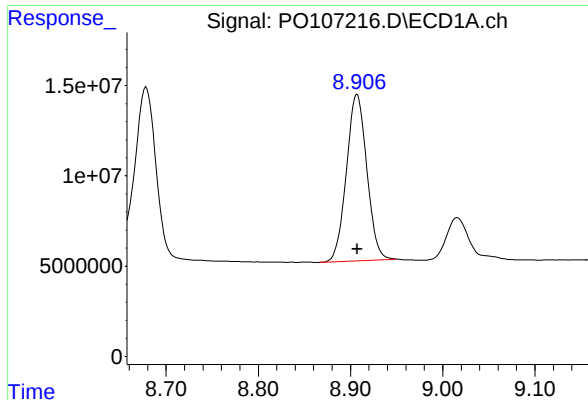
#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 162992089
Conc: 501.73 ng/ml



#42 AR-1268-2

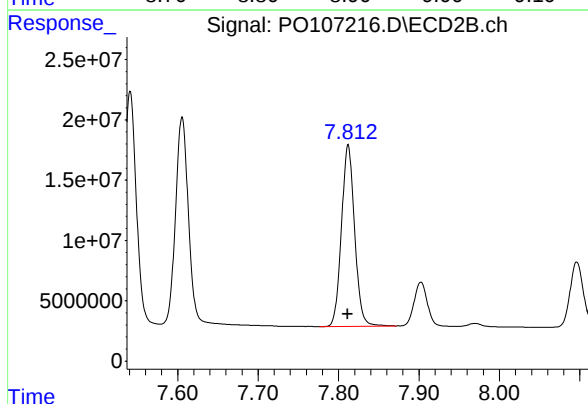
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 192310933
Conc: 501.44 ng/ml



#43 AR-1268-3

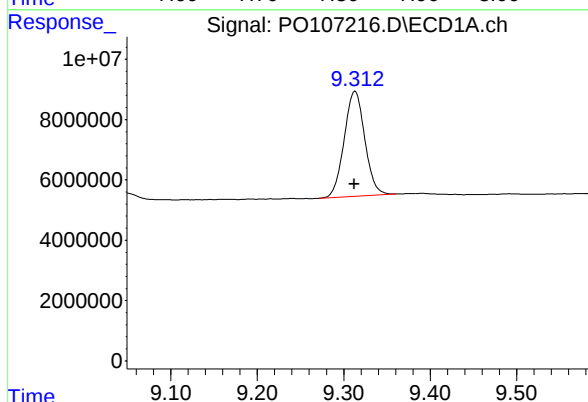
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 141671687
Conc: 501.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



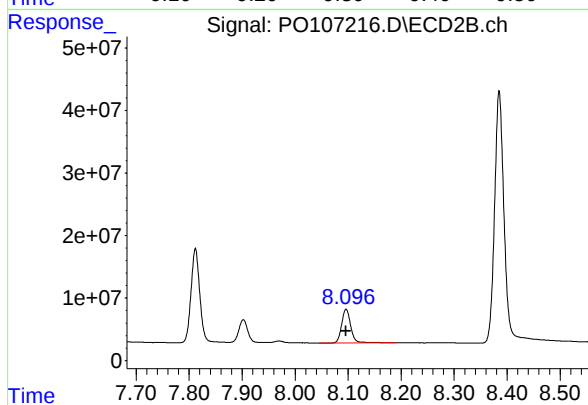
#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 170906328
Conc: 503.35 ng/ml



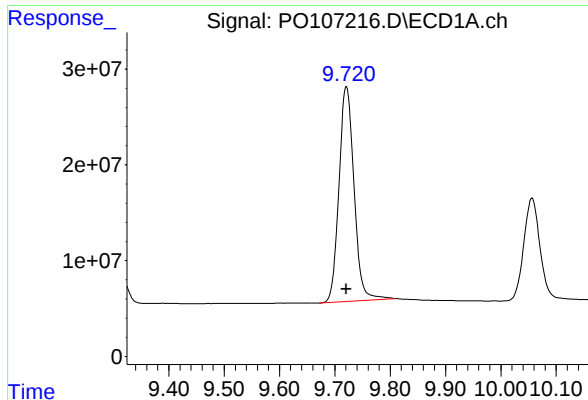
#44 AR-1268-4

R.T.: 9.313 min
Delta R.T.: 0.000 min
Response: 57558867
Conc: 501.76 ng/ml



#44 AR-1268-4

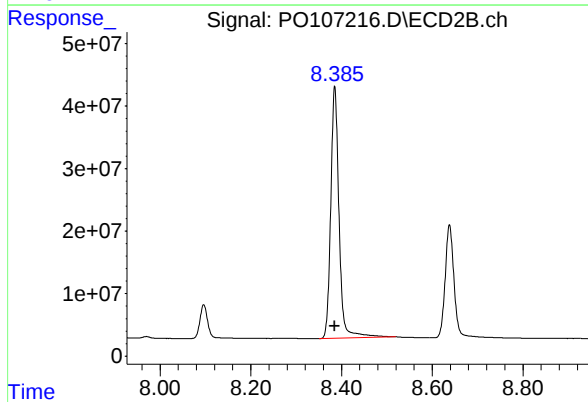
R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 64279608
Conc: 505.00 ng/ml



#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 423468972
Conc: 499.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268



#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 510568070
Conc: 501.99 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 15:49 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 15:49 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107382.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.522	5.423	5.623	541.940	500.000	8.4
Aroclor-1016-2	5.544	5.445	5.645	534.490	500.000	6.9
Aroclor-1016-3	5.606	5.507	5.707	524.670	500.000	4.9
Aroclor-1016-4	5.704	5.604	5.804	550.740	500.000	10.1
Aroclor-1016-5	5.998	5.899	6.099	549.630	500.000	9.9
Aroclor-1260-1	7.125	7.026	7.226	524.670	500.000	4.9
Aroclor-1260-2	7.382	7.282	7.482	536.310	500.000	7.3
Aroclor-1260-3	7.743	7.643	7.843	515.030	500.000	3.0
Aroclor-1260-4	7.968	7.868	8.068	522.860	500.000	4.6
Aroclor-1260-5	8.281	8.181	8.381	527.620	500.000	5.5
Decachlorobiphenyl	10.061	9.958	10.158	52.130	50.000	4.3
Tetrachloro-m-xylene	4.373	4.274	4.474	55.320	50.000	10.6



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107382.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.726	4.626	4.826	553.460	500.000	10.7
Aroclor-1016-2	4.745	4.645	4.845	567.100	500.000	13.4
Aroclor-1016-3	4.921	4.821	5.021	533.360	500.000	6.7
Aroclor-1016-4	4.962	4.862	5.062	510.120	500.000	2.0
Aroclor-1016-5	5.175	5.076	5.276	544.660	500.000	8.9
Aroclor-1260-1	6.206	6.107	6.307	548.980	500.000	9.8
Aroclor-1260-2	6.393	6.294	6.494	584.550	500.000	16.9
Aroclor-1260-3	6.547	6.448	6.648	558.400	500.000	11.7
Aroclor-1260-4	7.017	6.918	7.118	558.220	500.000	11.6
Aroclor-1260-5	7.257	7.159	7.359	591.990	500.000	18.4
Decachlorobiphenyl	8.638	8.539	8.739	53.990	50.000	8.0
Tetrachloro-m-xylene	3.645	3.545	3.745	55.010	50.000	10.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
 Data File : PO107382.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 15:49
 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: Oct 25 23:58:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	504.2E6	177.0E6	55.323	55.009
2) SA Decachlor...	10.061	8.638	127.9E6	148.0E6	52.126	53.993
Target Compounds						
3) L1 AR-1016-1	5.522	4.726	146.2E6	57153052	541.945	553.457
4) L1 AR-1016-2	5.544	4.745	212.1E6	79942361	534.494	567.097
5) L1 AR-1016-3	5.606	4.921	131.8E6	41999671	524.669	533.359
6) L1 AR-1016-4	5.704	4.962	106.1E6	33722898	550.738	510.116
7) L1 AR-1016-5	5.998	5.175	100.4E6	44735015	549.632	544.660
31) L7 AR-1260-1	7.125	6.206	135.7E6	85176313	524.670	548.977
32) L7 AR-1260-2	7.382	6.393	141.2E6	102.9E6	536.306	584.549
33) L7 AR-1260-3	7.743	6.547	92574157	93670402	515.030	558.399
34) L7 AR-1260-4	7.968	7.017	91764602	80764036	522.864	558.222
35) L7 AR-1260-5	8.281	7.257	150.1E6	195.0E6	527.617	591.994

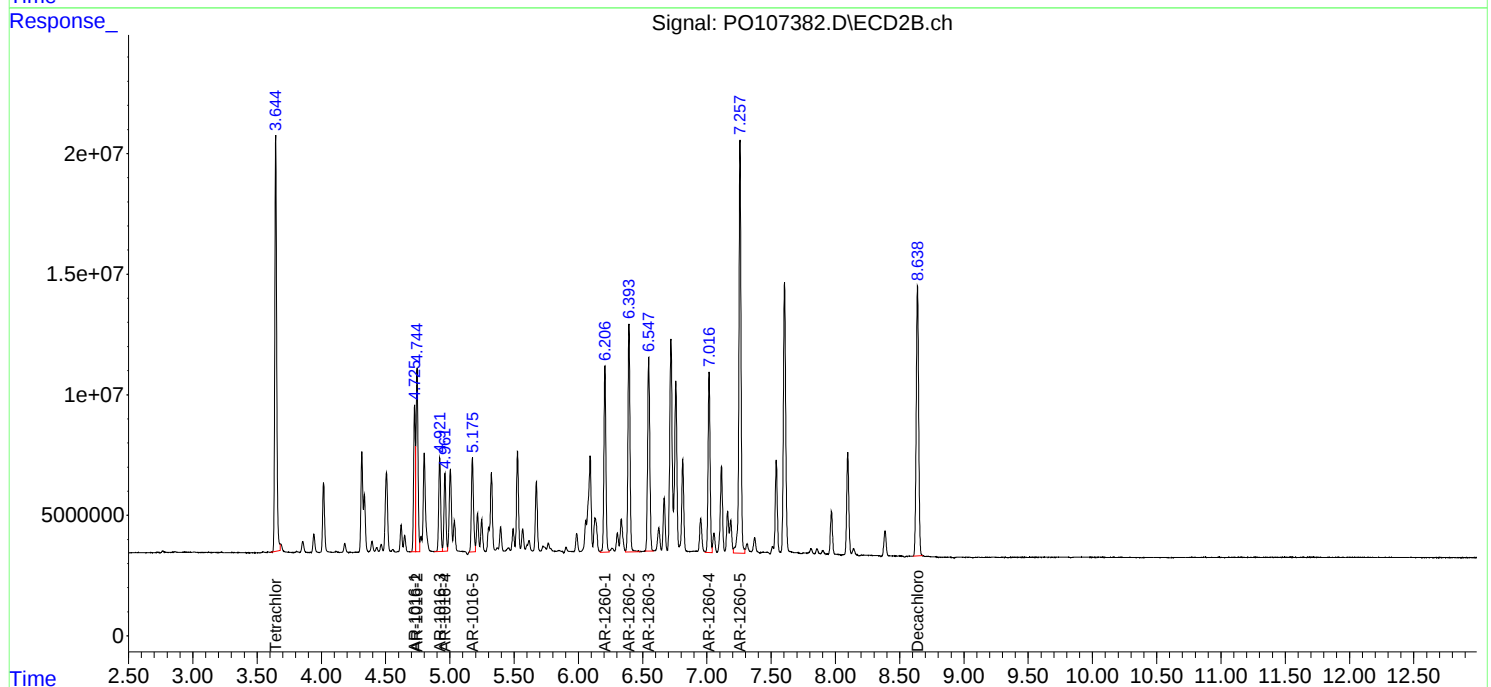
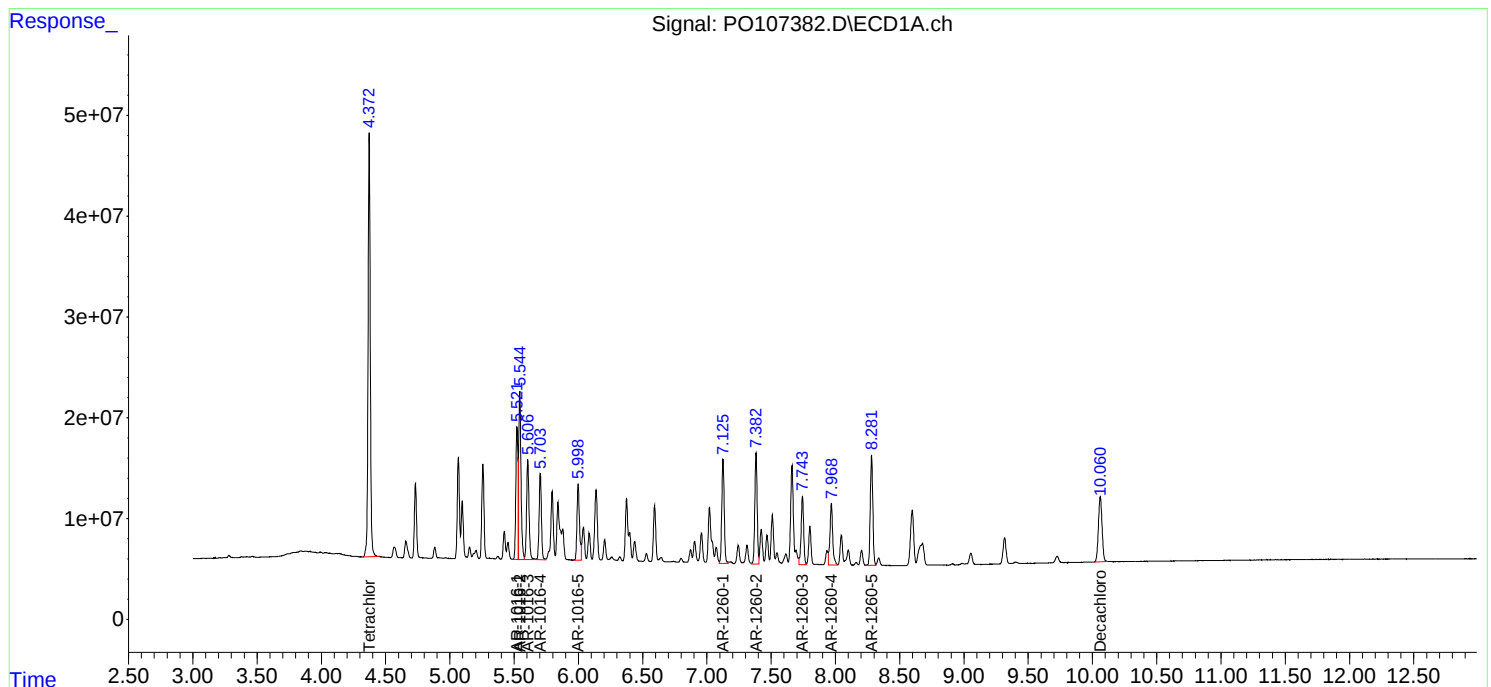
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

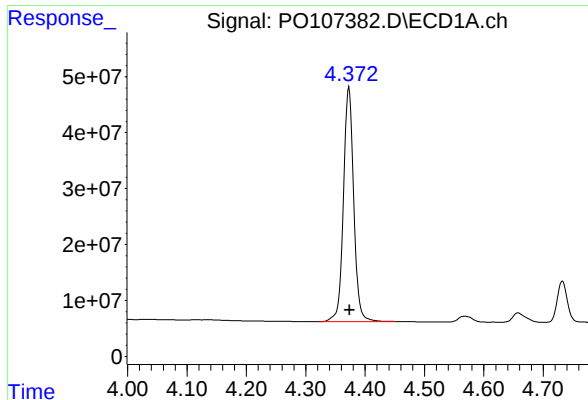
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 15:49
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 23:58:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

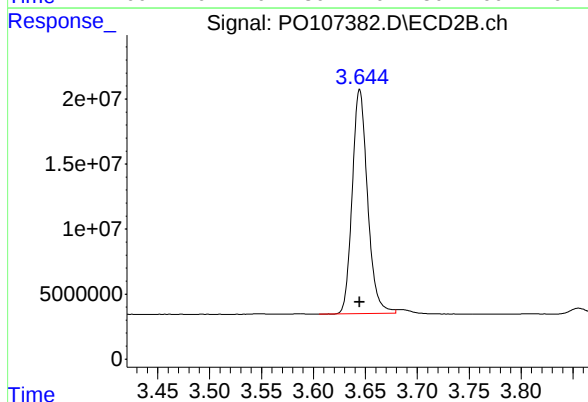




#1 Tetrachloro-m-xylene

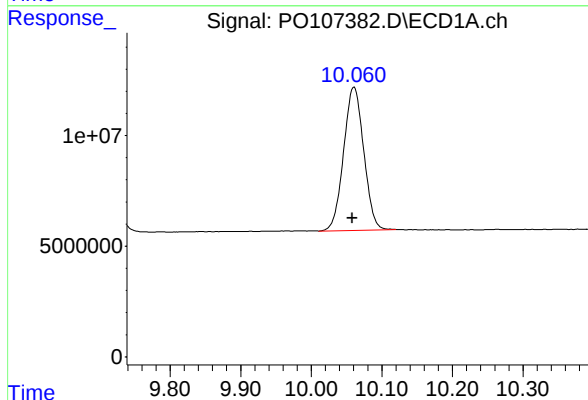
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 504212666
Conc: 55.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



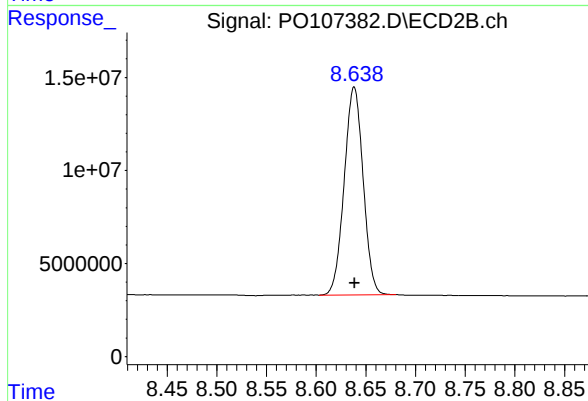
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 177045612
Conc: 55.01 ng/ml



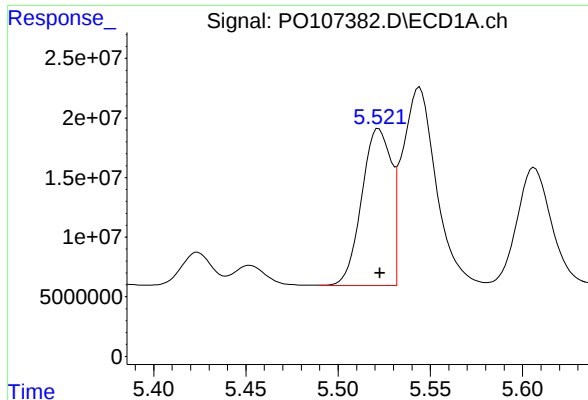
#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.002 min
Response: 127885189
Conc: 52.13 ng/ml



#2 Decachlorobiphenyl

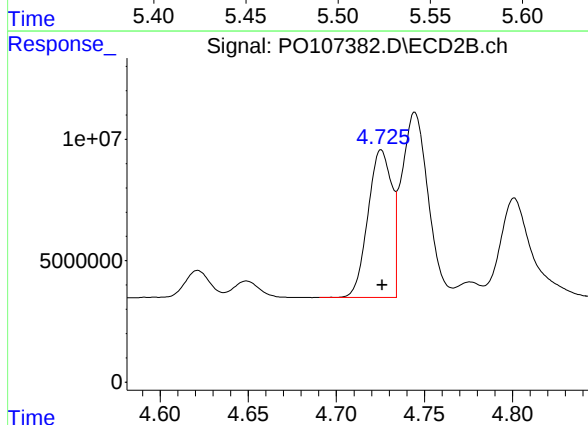
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 148028252
Conc: 53.99 ng/ml



#3 AR-1016-1

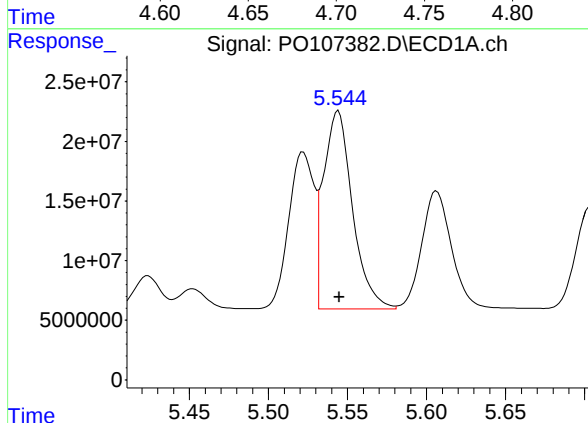
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 146224456
Conc: 541.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



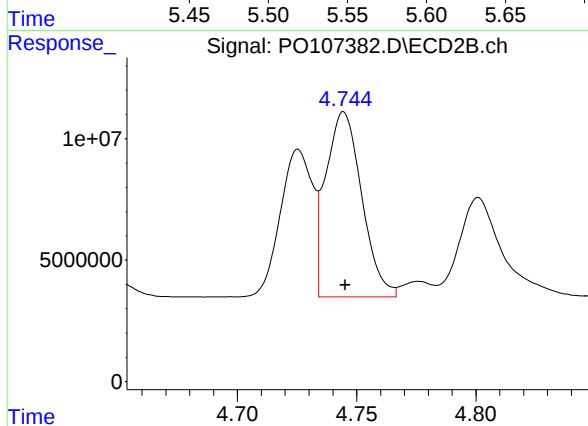
#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 57153052
Conc: 553.46 ng/ml



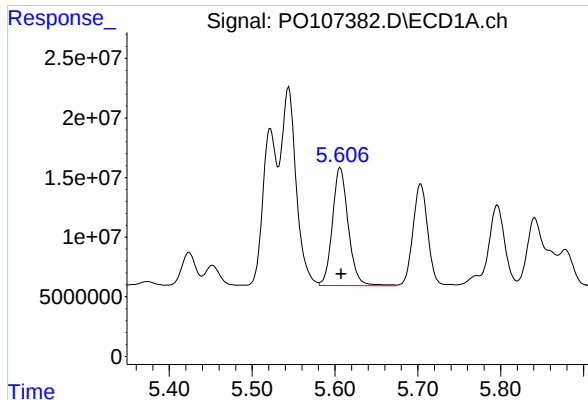
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 212132549
Conc: 534.49 ng/ml



#4 AR-1016-2

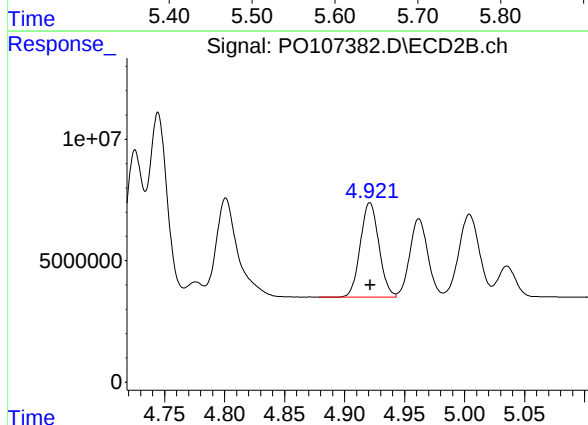
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 79942361
Conc: 567.10 ng/ml



#5 AR-1016-3

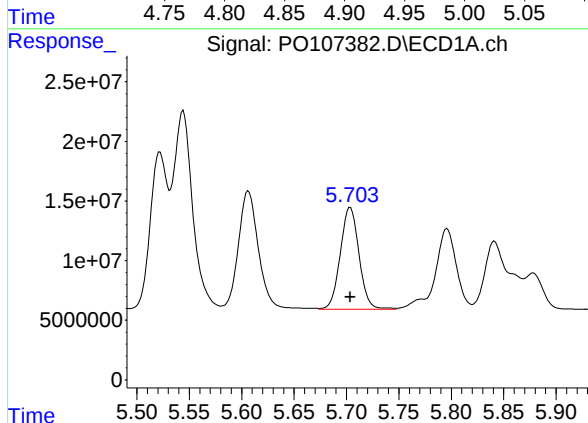
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 131780769
Conc: 524.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



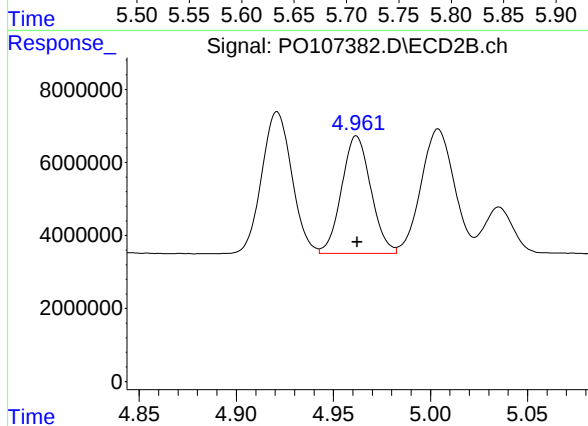
#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 41999671
Conc: 533.36 ng/ml



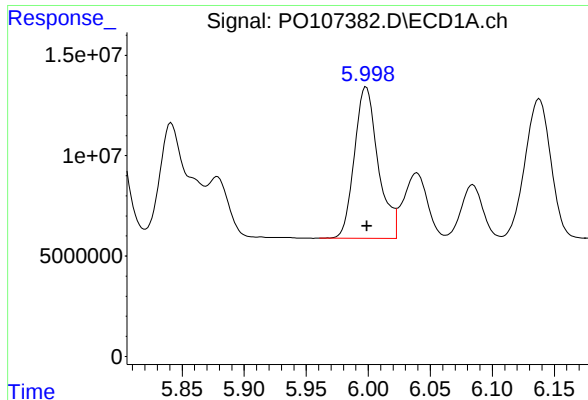
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 106078795
Conc: 550.74 ng/ml



#6 AR-1016-4

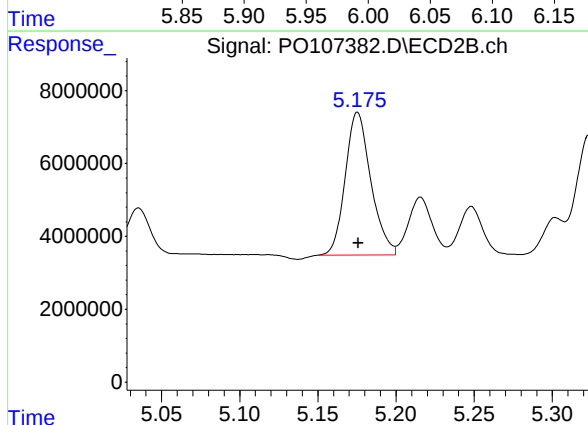
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 33722898
Conc: 510.12 ng/ml



#7 AR-1016-5

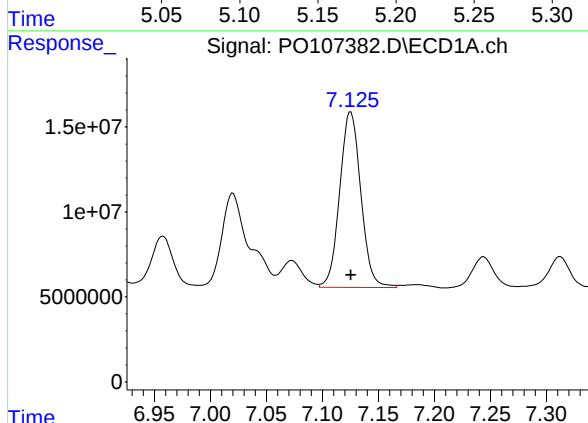
R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 100392318
Conc: 549.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



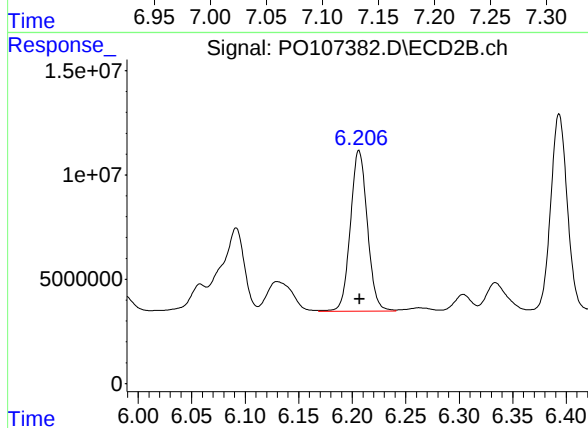
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 44735015
Conc: 544.66 ng/ml



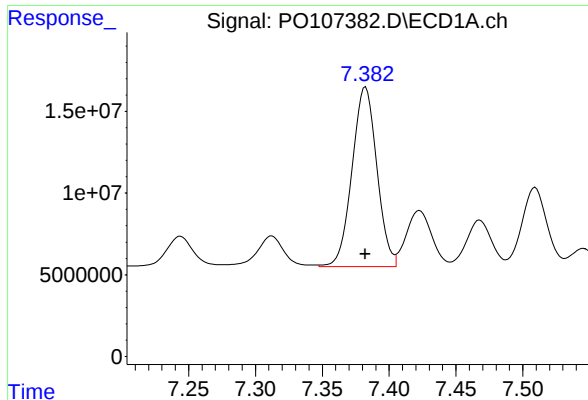
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 135673684
Conc: 524.67 ng/ml



#31 AR-1260-1

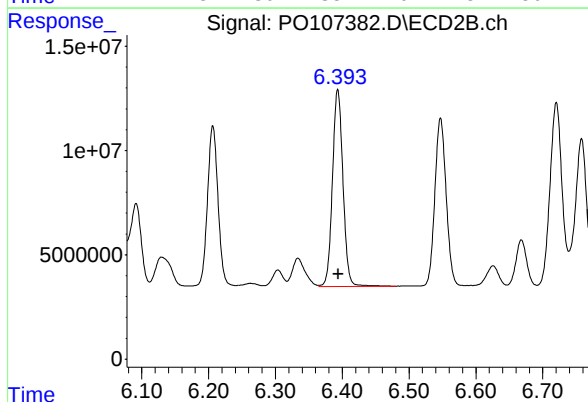
R.T.: 6.206 min
Delta R.T.: 0.000 min
Response: 85176313
Conc: 548.98 ng/ml



#32 AR-1260-2

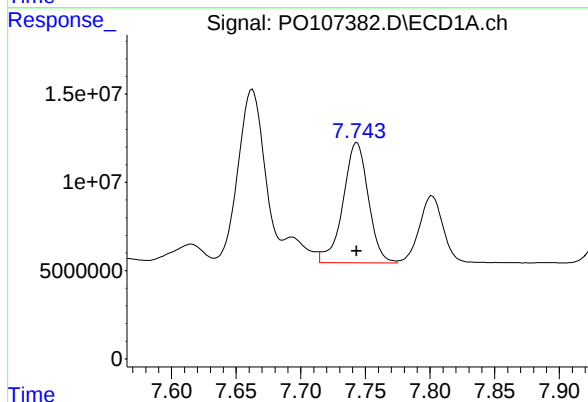
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 141166579
Conc: 536.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



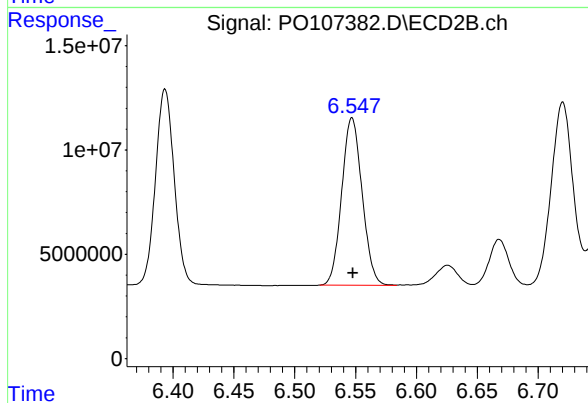
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 102948230
Conc: 584.55 ng/ml



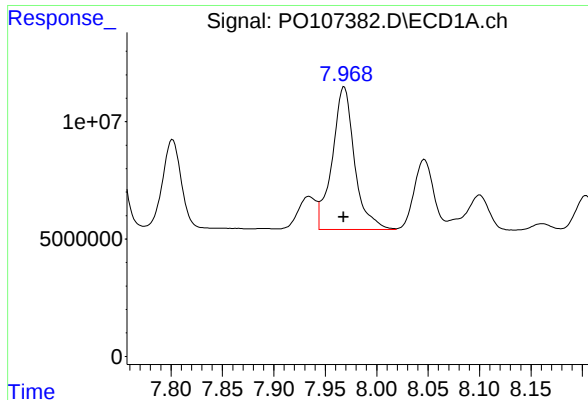
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 92574157
Conc: 515.03 ng/ml



#33 AR-1260-3

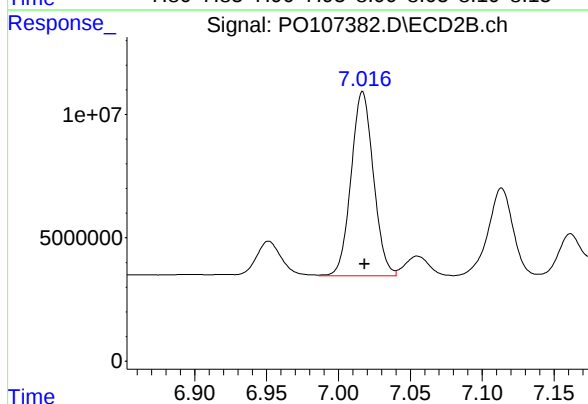
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 93670402
Conc: 558.40 ng/ml



#34 AR-1260-4

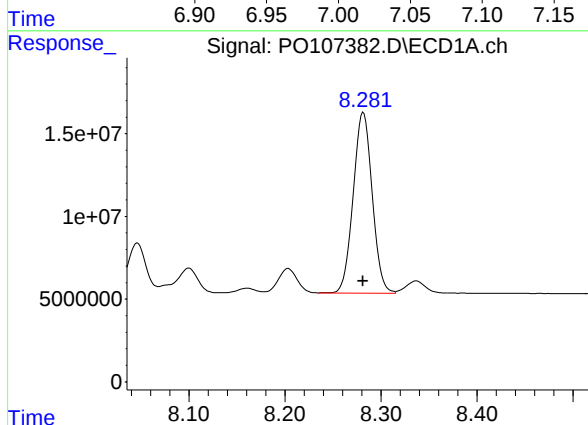
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 91764602
Conc: 522.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



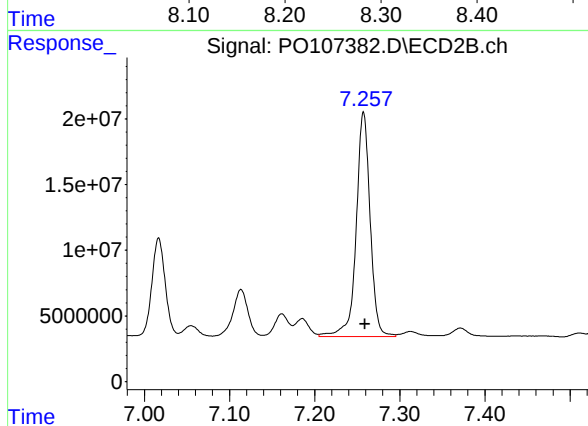
#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: -0.001 min
Response: 80764036
Conc: 558.22 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 150051085
Conc: 527.62 ng/ml



#35 AR-1260-5

R.T.: 7.257 min
Delta R.T.: -0.002 min
Response: 195026918
Conc: 591.99 ng/ml



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 20:48 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 20:48 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107397.D Time Analyzed: 20:48

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.521	5.423	5.623	494.170	500.000	-1.2
Aroclor-1016-2	5.543	5.445	5.645	479.380	500.000	-4.1
Aroclor-1016-3	5.606	5.507	5.707	461.860	500.000	-7.6
Aroclor-1016-4	5.703	5.604	5.804	477.250	500.000	-4.6
Aroclor-1016-5	5.998	5.899	6.099	475.790	500.000	-4.8
Aroclor-1260-1	7.125	7.026	7.226	485.380	500.000	-2.9
Aroclor-1260-2	7.382	7.282	7.482	484.810	500.000	-3.0
Aroclor-1260-3	7.744	7.643	7.843	458.270	500.000	-8.3
Aroclor-1260-4	7.968	7.868	8.068	467.110	500.000	-6.6
Aroclor-1260-5	8.281	8.181	8.381	484.470	500.000	-3.1
Decachlorobiphenyl	10.061	9.958	10.158	50.240	50.000	0.5
Tetrachloro-m-xylene	4.372	4.274	4.474	52.530	50.000	5.1



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107397.D Time Analyzed: 20:48

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.725	4.626	4.826	537.990	500.000	7.6
Aroclor-1016-2	4.744	4.645	4.845	546.030	500.000	9.2
Aroclor-1016-3	4.920	4.821	5.021	516.060	500.000	3.2
Aroclor-1016-4	4.961	4.862	5.062	492.570	500.000	-1.5
Aroclor-1016-5	5.175	5.076	5.276	524.530	500.000	4.9
Aroclor-1260-1	6.206	6.107	6.307	496.750	500.000	-0.7
Aroclor-1260-2	6.393	6.294	6.494	527.570	500.000	5.5
Aroclor-1260-3	6.546	6.448	6.648	500.040	500.000	0.0
Aroclor-1260-4	7.017	6.918	7.118	488.580	500.000	-2.3
Aroclor-1260-5	7.258	7.159	7.359	504.820	500.000	1.0
Decachlorobiphenyl	8.637	8.539	8.739	47.900	50.000	-4.2
Tetrachloro-m-xylene	3.644	3.545	3.745	52.630	50.000	5.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
 Data File : PO107397.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 20:48
 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: Oct 26 00:07:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	478.8E6	169.4E6	52.532	52.626
2) SA Decachlor...	10.061	8.637	123.3E6	131.3E6	50.240	47.896
Target Compounds						
3) L1 AR-1016-1	5.521	4.725	133.3E6	55555618	494.174	537.987
4) L1 AR-1016-2	5.543	4.744	190.3E6	76971973	479.378	546.025
5) L1 AR-1016-3	5.606	4.920	116.0E6	40637771	461.855	516.064
6) L1 AR-1016-4	5.703	4.961	91923757	32563009	477.249	492.570
7) L1 AR-1016-5	5.998	5.175	86904445	43081691	475.788	524.530
31) L7 AR-1260-1	7.125	6.206	125.5E6	77072678	485.380	496.748
32) L7 AR-1260-2	7.382	6.393	127.6E6	92913430	484.812	527.571
33) L7 AR-1260-3	7.744	6.546	82371608	83880491	458.269	500.038
34) L7 AR-1260-4	7.968	7.017	81979661	70688226	467.110	488.581
35) L7 AR-1260-5	8.281	7.258	137.8E6	166.3E6	484.473	504.817

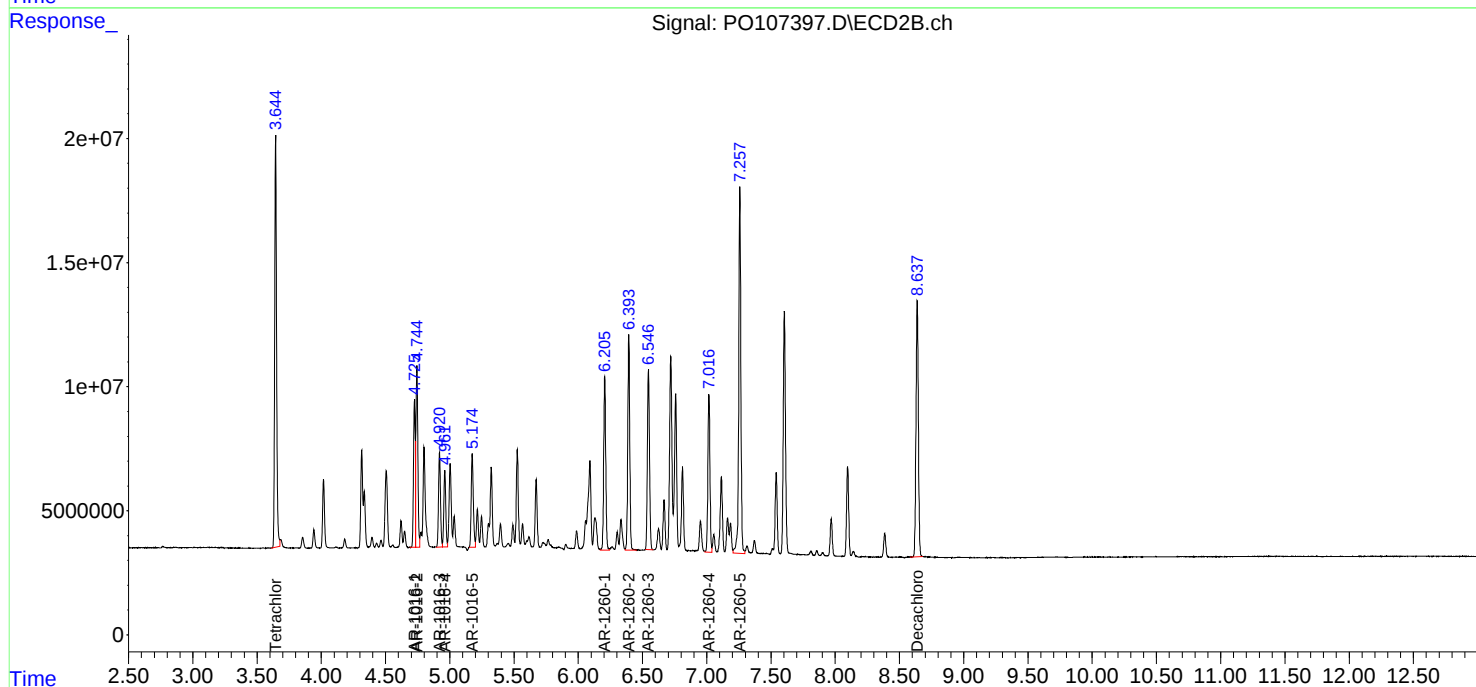
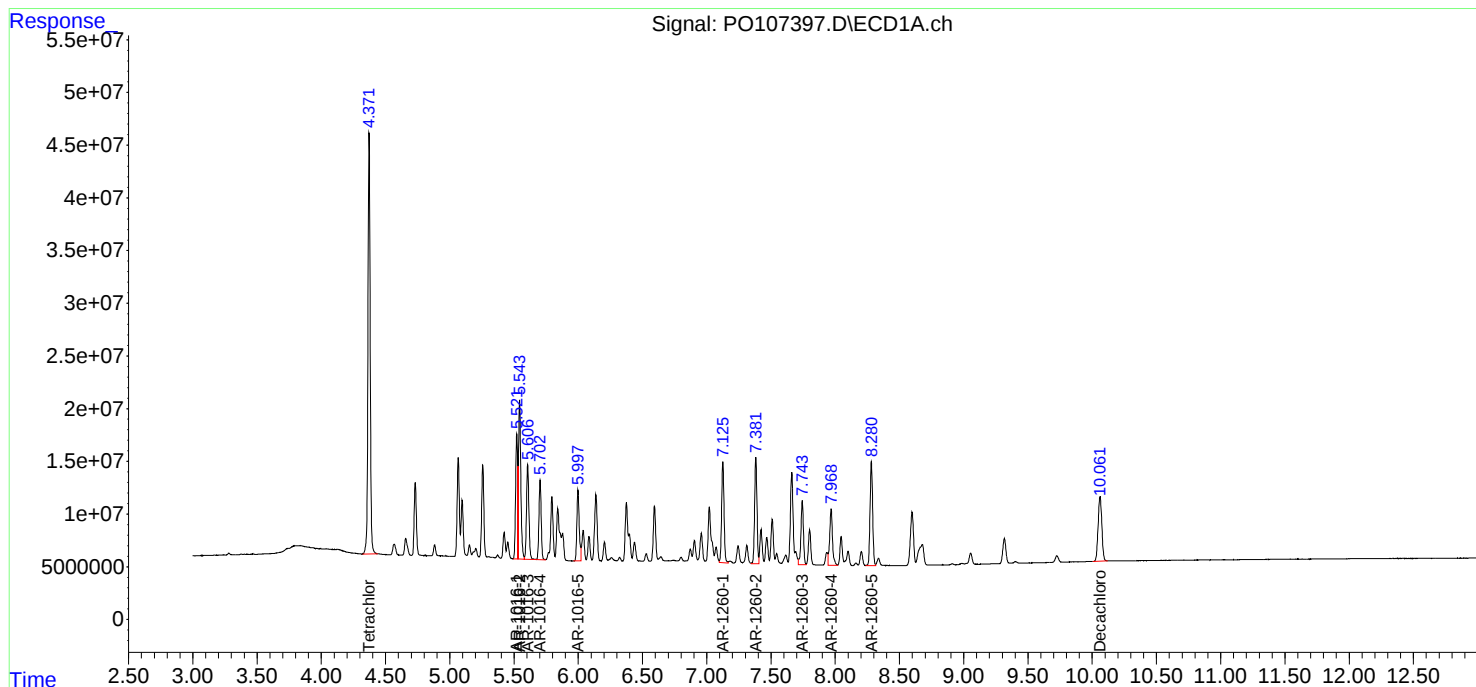
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

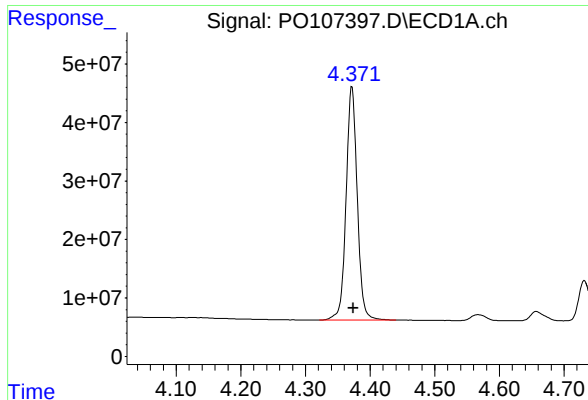
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 20:48
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 00:07:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : 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

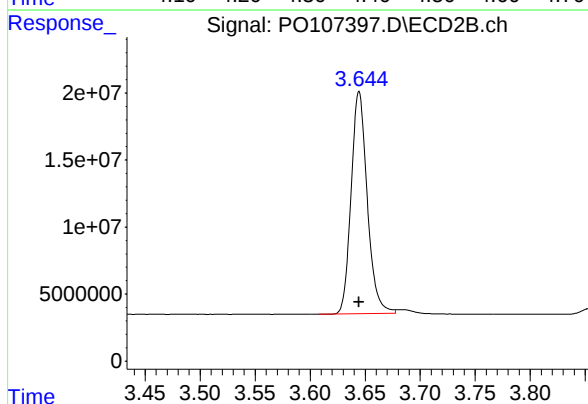




#1 Tetrachloro-m-xylene

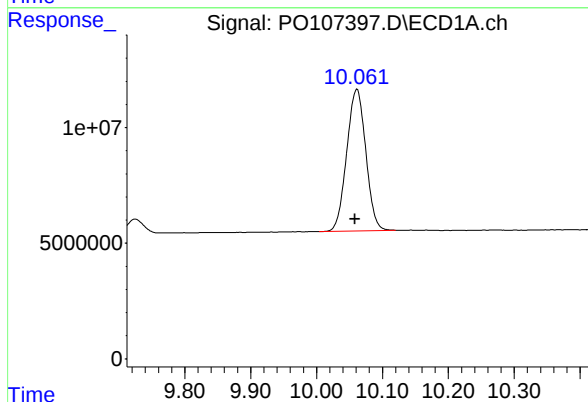
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 478772382
Conc: 52.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



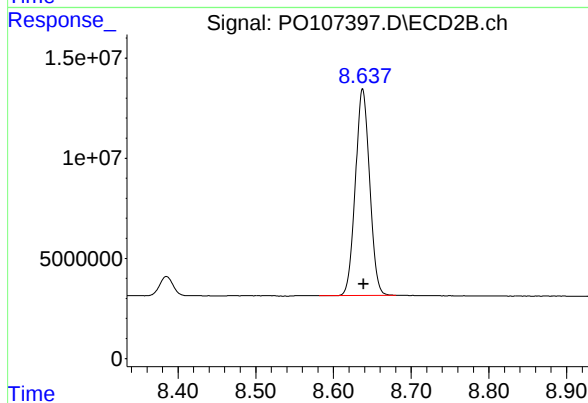
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 169378034
Conc: 52.63 ng/ml



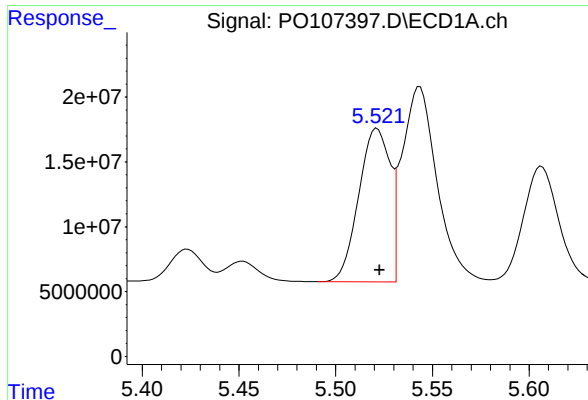
#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.003 min
Response: 123258054
Conc: 50.24 ng/ml



#2 Decachlorobiphenyl

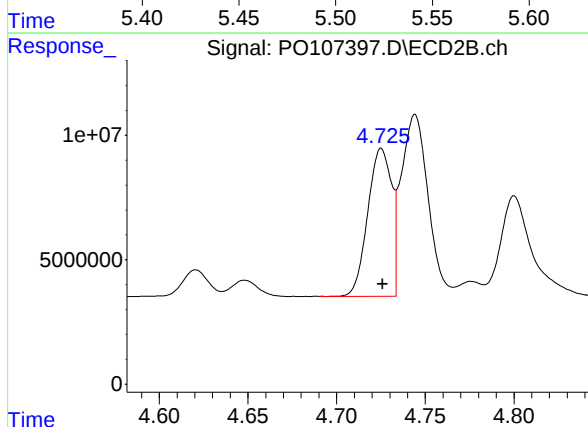
R.T.: 8.637 min
Delta R.T.: -0.001 min
Response: 131312125
Conc: 47.90 ng/ml



#3 AR-1016-1

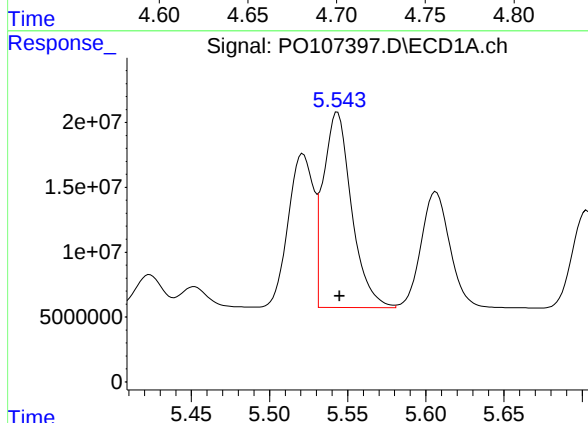
R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 133335279
Conc: 494.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



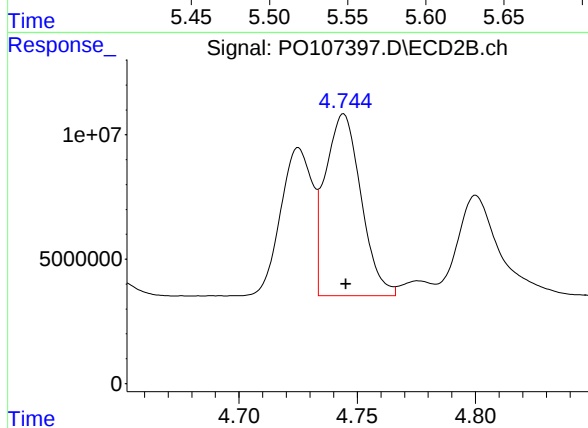
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 55555618
Conc: 537.99 ng/ml



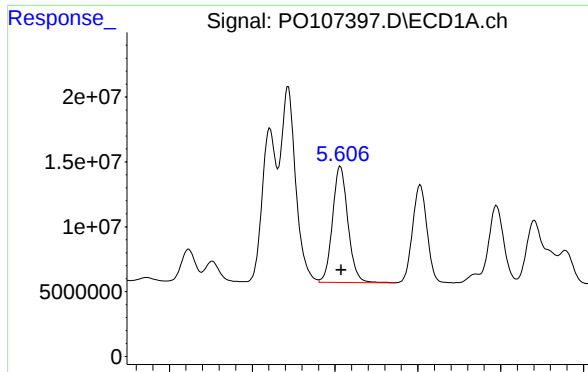
#4 AR-1016-2

R.T.: 5.543 min
Delta R.T.: -0.001 min
Response: 190258097
Conc: 479.38 ng/ml



#4 AR-1016-2

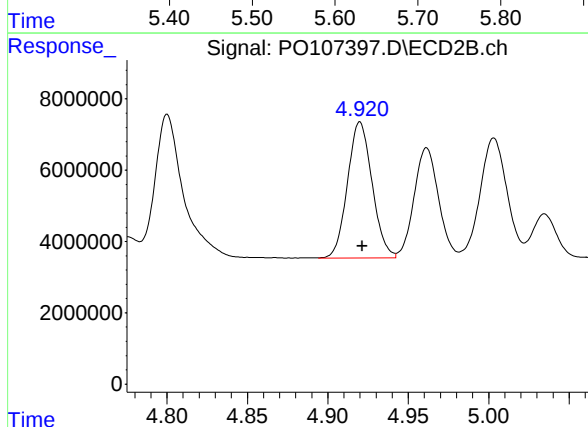
R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 76971973
Conc: 546.03 ng/ml



#5 AR-1016-3

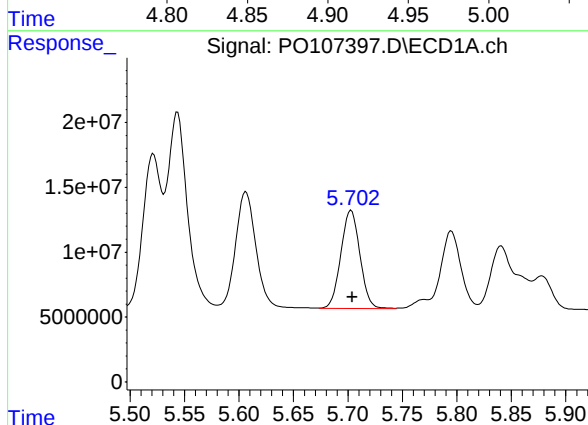
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 116003927
Conc: 461.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



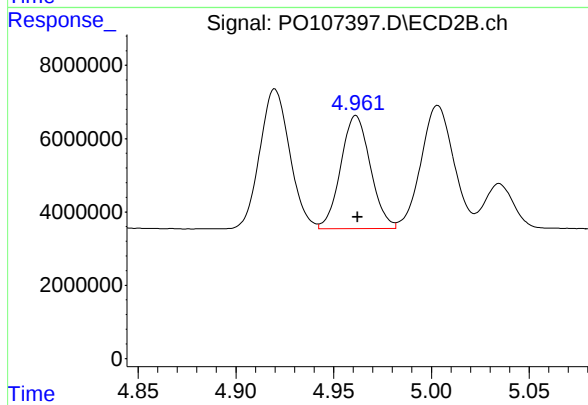
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 40637771
Conc: 516.06 ng/ml



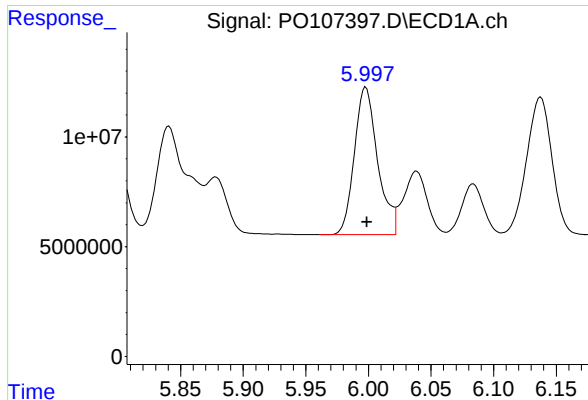
#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: -0.001 min
Response: 91923757
Conc: 477.25 ng/ml



#6 AR-1016-4

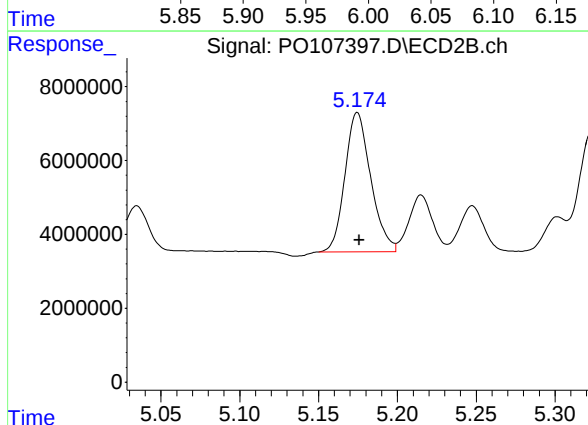
R.T.: 4.961 min
Delta R.T.: 0.000 min
Response: 32563009
Conc: 492.57 ng/ml



#7 AR-1016-5

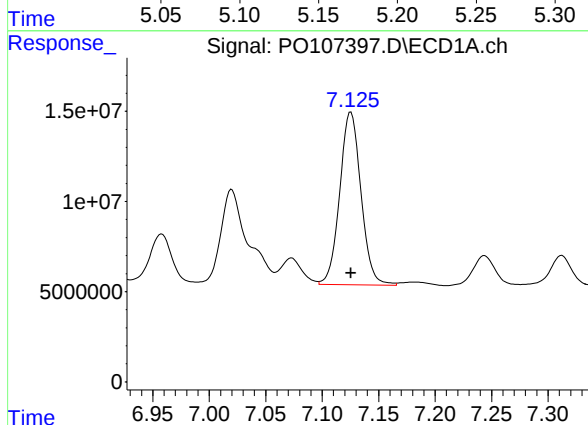
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 86904445
Conc: 475.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



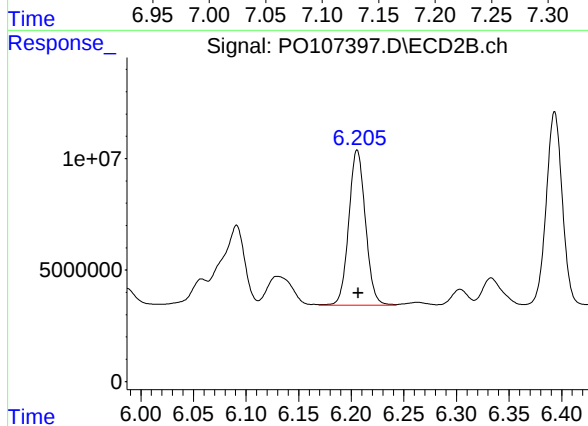
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 43081691
Conc: 524.53 ng/ml



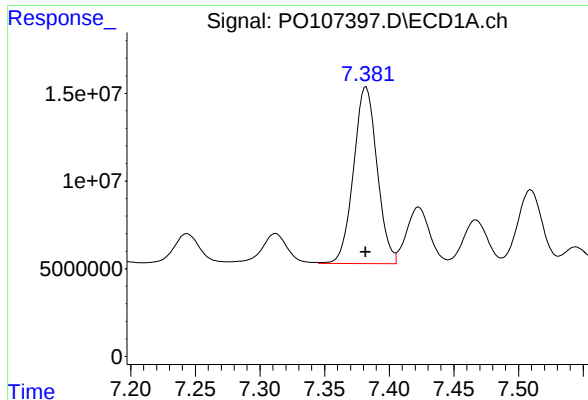
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 125513836
Conc: 485.38 ng/ml



#31 AR-1260-1

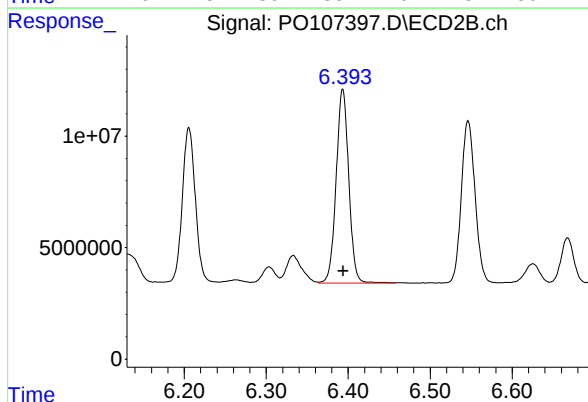
R.T.: 6.206 min
Delta R.T.: -0.001 min
Response: 77072678
Conc: 496.75 ng/ml



#32 AR-1260-2

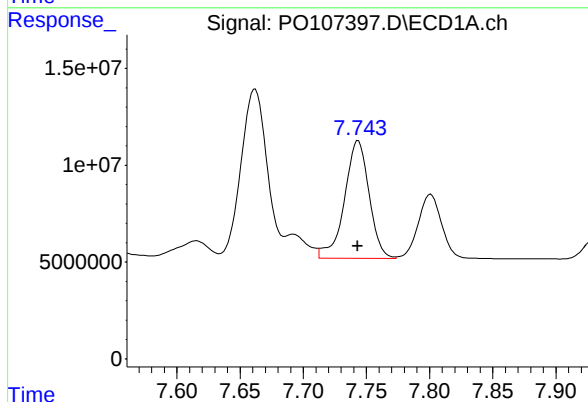
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 127612269
Conc: 484.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



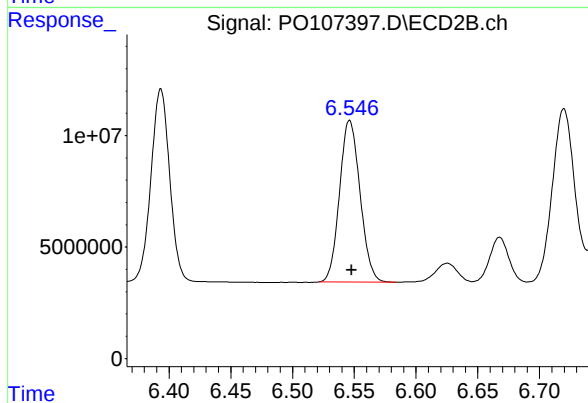
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 92913430
Conc: 527.57 ng/ml



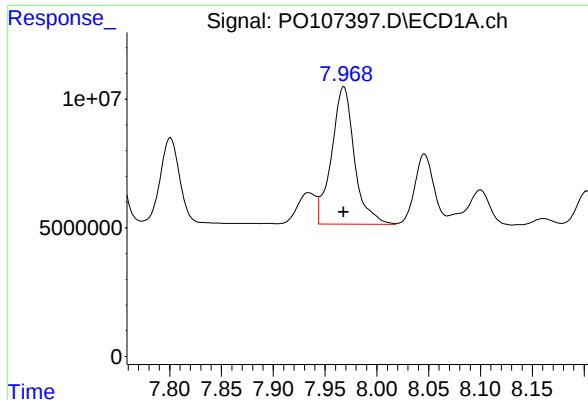
#33 AR-1260-3

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 82371608
Conc: 458.27 ng/ml



#33 AR-1260-3

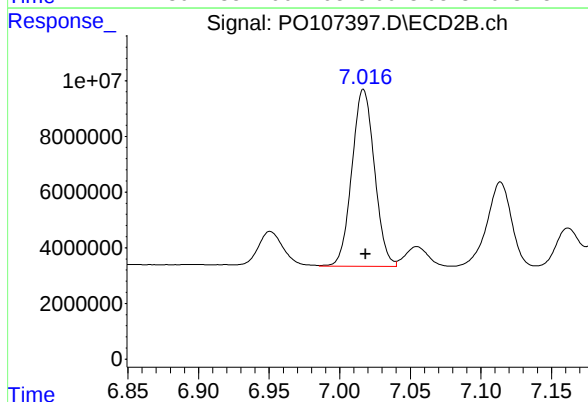
R.T.: 6.546 min
Delta R.T.: -0.002 min
Response: 83880491
Conc: 500.04 ng/ml



#34 AR-1260-4

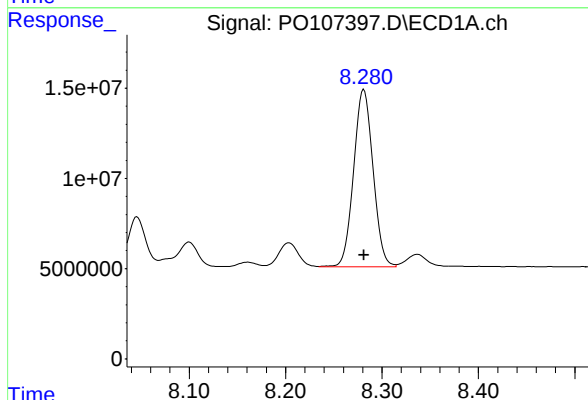
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 81979661
Conc: 467.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



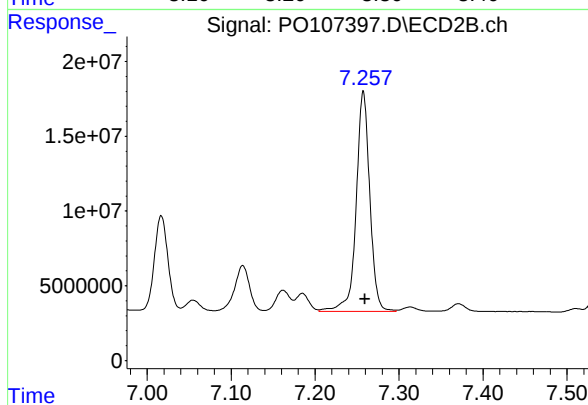
#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: -0.001 min
Response: 70688226
Conc: 488.58 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 137781043
Conc: 484.47 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.002 min
Response: 166307367
Conc: 504.82 ng/ml



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/26/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 00:54 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/26/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 00:54 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 10/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO107409.D Time Analyzed: 00:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.521	5.423	5.623	496.520	500.000	-0.7
Aroclor-1016-2	5.544	5.445	5.645	485.870	500.000	-2.8
Aroclor-1016-3	5.606	5.507	5.707	472.730	500.000	-5.5
Aroclor-1016-4	5.702	5.604	5.804	493.570	500.000	-1.3
Aroclor-1016-5	5.997	5.899	6.099	497.580	500.000	-0.5
Aroclor-1260-1	7.125	7.026	7.226	465.740	500.000	-6.9
Aroclor-1260-2	7.381	7.282	7.482	492.130	500.000	-1.6
Aroclor-1260-3	7.743	7.643	7.843	486.130	500.000	-2.8
Aroclor-1260-4	7.967	7.868	8.068	492.230	500.000	-1.6
Aroclor-1260-5	8.280	8.181	8.381	496.360	500.000	-0.7
Decachlorobiphenyl	10.060	9.958	10.158	46.720	50.000	-6.6
Tetrachloro-m-xylene	4.372	4.274	4.474	50.430	50.000	0.9



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 10/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO107409.D Time Analyzed: 00:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.725	4.626	4.826	527.800	500.000	5.6
Aroclor-1016-2	4.744	4.645	4.845	528.560	500.000	5.7
Aroclor-1016-3	4.920	4.821	5.021	503.880	500.000	0.8
Aroclor-1016-4	4.962	4.862	5.062	478.610	500.000	-4.3
Aroclor-1016-5	5.175	5.076	5.276	507.540	500.000	1.5
Aroclor-1260-1	6.206	6.107	6.307	518.160	500.000	3.6
Aroclor-1260-2	6.393	6.294	6.494	532.900	500.000	6.6
Aroclor-1260-3	6.547	6.448	6.648	524.730	500.000	4.9
Aroclor-1260-4	7.017	6.918	7.118	533.380	500.000	6.7
Aroclor-1260-5	7.259	7.159	7.359	554.010	500.000	10.8
Decachlorobiphenyl	8.638	8.539	8.739	46.430	50.000	-7.1
Tetrachloro-m-xylene	3.644	3.545	3.745	51.580	50.000	3.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
 Data File : PO107409.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Oct 2024 00:54
 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: Oct 26 02:04:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	459.6E6	166.0E6	50.433	51.583
2) SA Decachlor...	10.060	8.638	114.6E6	127.3E6	46.721	46.429
Target Compounds						
3) L1 AR-1016-1	5.521	4.725	134.0E6	54503156	496.523	527.796
4) L1 AR-1016-2	5.544	4.744	192.8E6	74509220	485.867	528.555
5) L1 AR-1016-3	5.606	4.920	118.7E6	39678131	472.725	503.877
6) L1 AR-1016-4	5.702	4.962	95067785	31640385	493.572	478.614
7) L1 AR-1016-5	5.997	5.175	90884982	41686010	497.581	507.538
31) L7 AR-1260-1	7.125	6.206	120.4E6	80394766	465.744	518.159
32) L7 AR-1260-2	7.381	6.393	129.5E6	93851247	492.131	532.896
33) L7 AR-1260-3	7.743	6.547	87379402	88023204	486.129	524.734
34) L7 AR-1260-4	7.967	7.017	86387935	77169606	492.228	533.379
35) L7 AR-1260-5	8.280	7.259	141.2E6	182.5E6	496.356	554.007

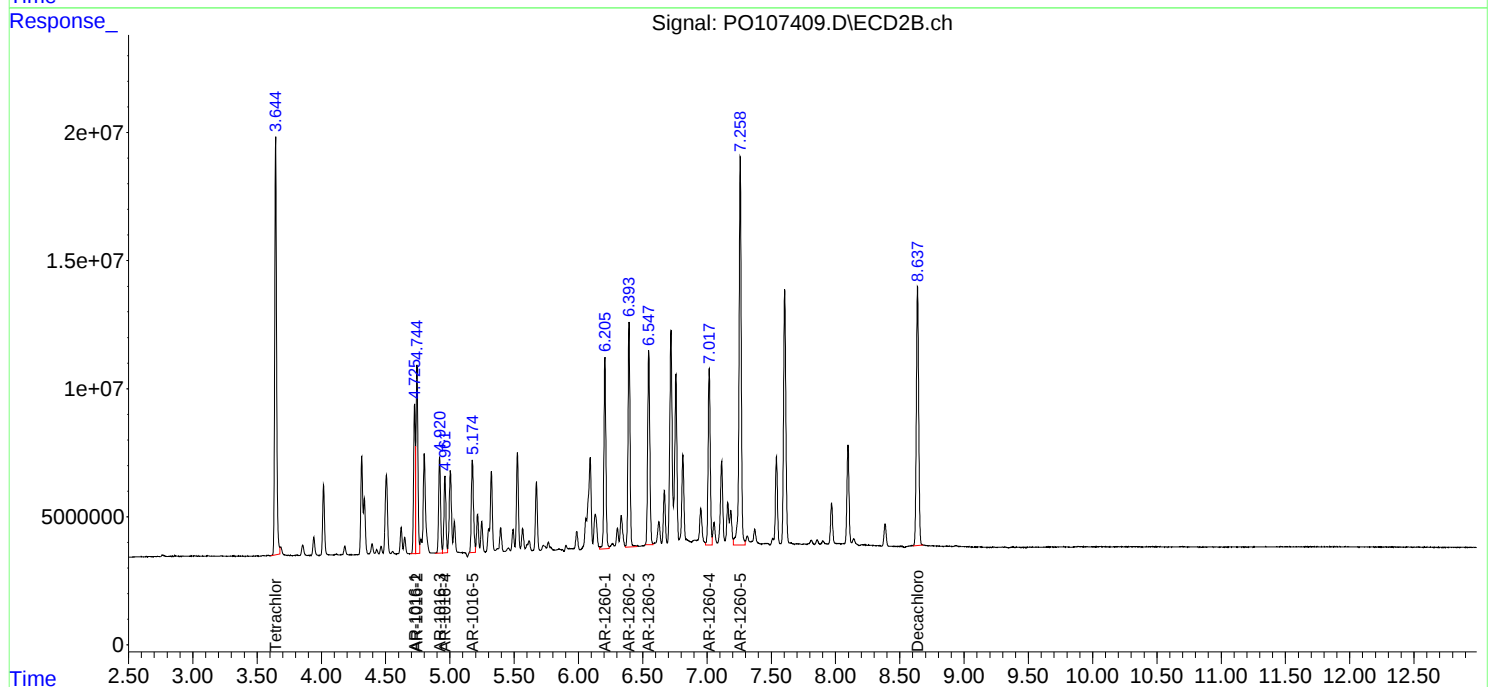
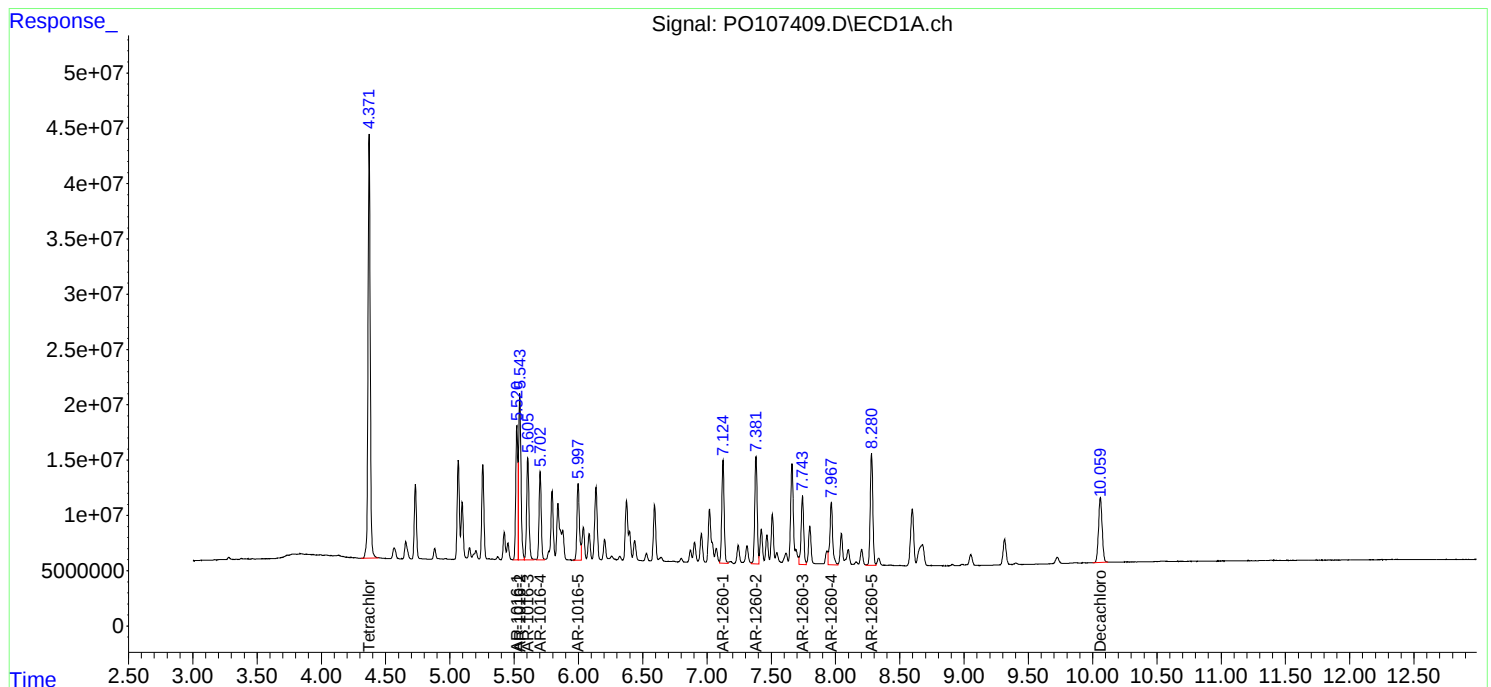
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

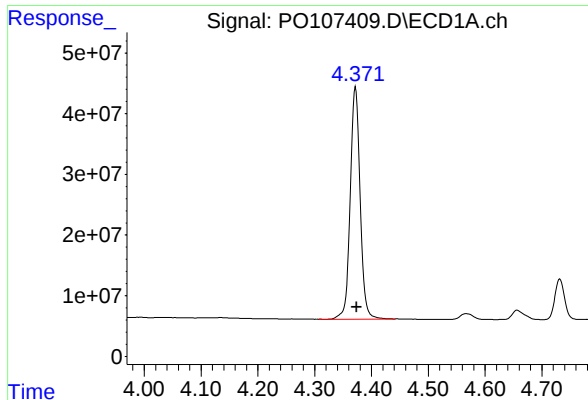
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Oct 2024 00:54
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 02:04:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

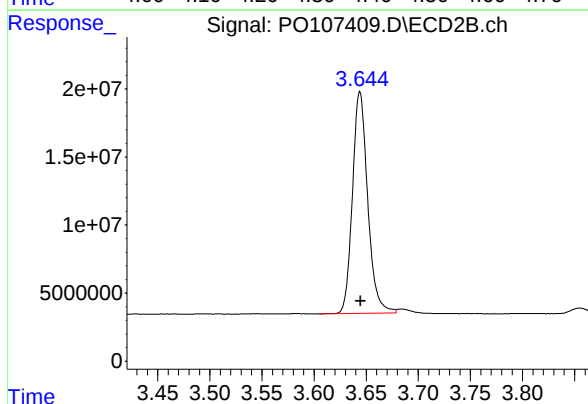




#1 Tetrachloro-m-xylene

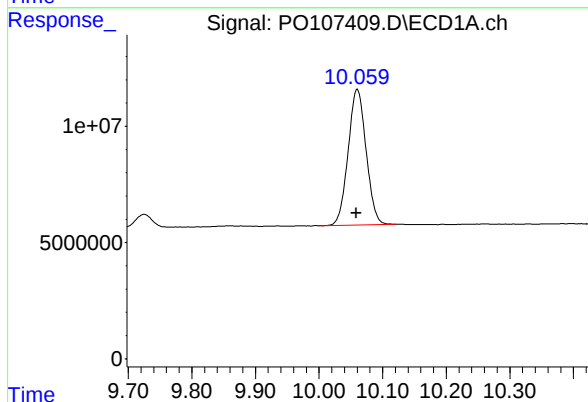
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 459642028
Conc: 50.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



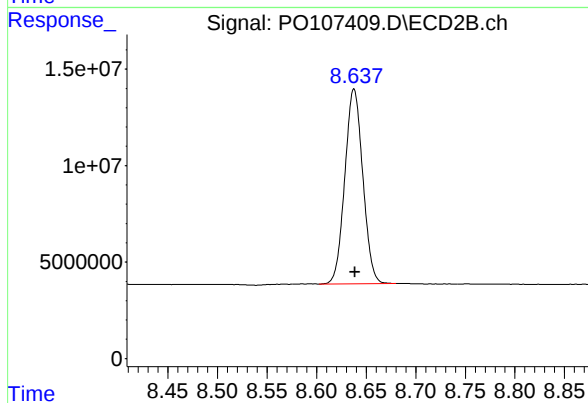
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 166019757
Conc: 51.58 ng/ml



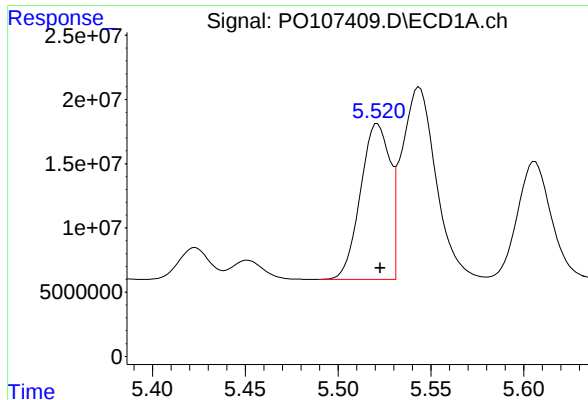
#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.002 min
Response: 114624667
Conc: 46.72 ng/ml



#2 Decachlorobiphenyl

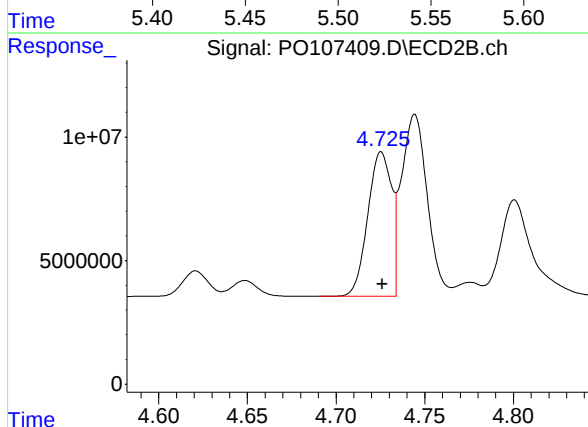
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 127288702
Conc: 46.43 ng/ml



#3 AR-1016-1

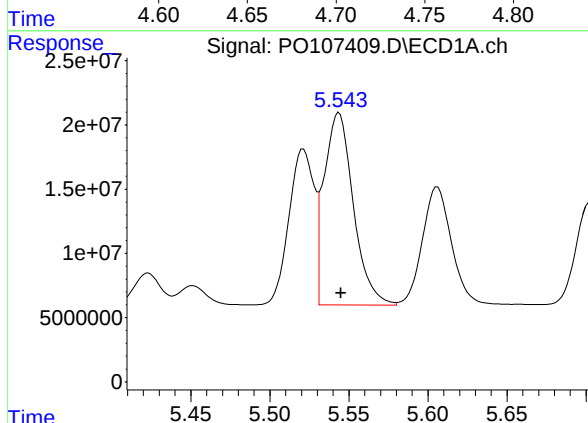
R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 133969048
Conc: 496.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



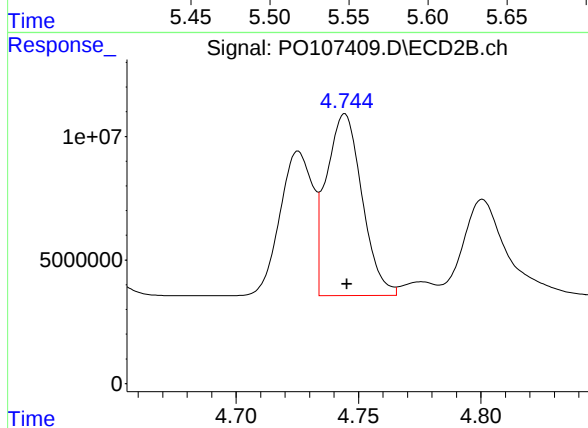
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 54503156
Conc: 527.80 ng/ml



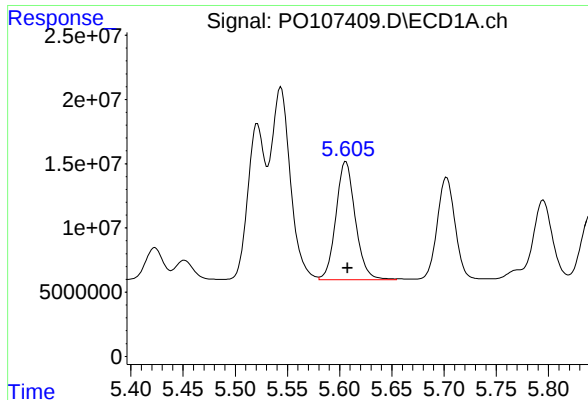
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 192833107
Conc: 485.87 ng/ml



#4 AR-1016-2

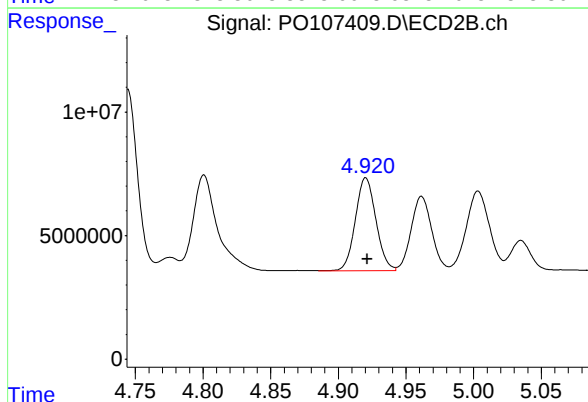
R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 74509220
Conc: 528.56 ng/ml



#5 AR-1016-3

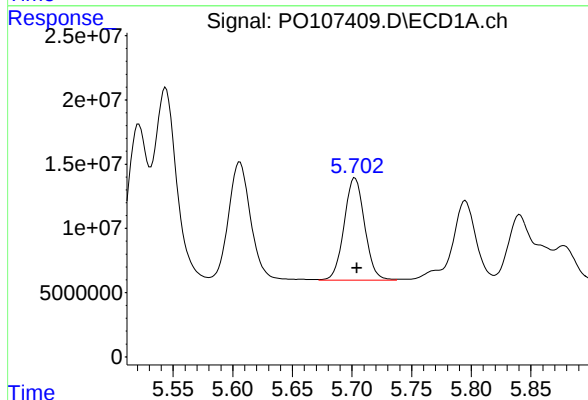
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 118734175
Conc: 472.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



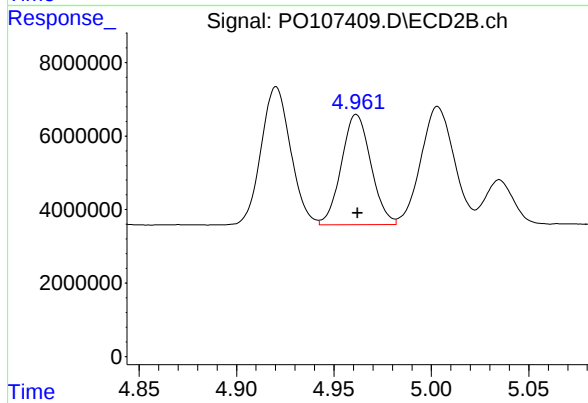
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 39678131
Conc: 503.88 ng/ml



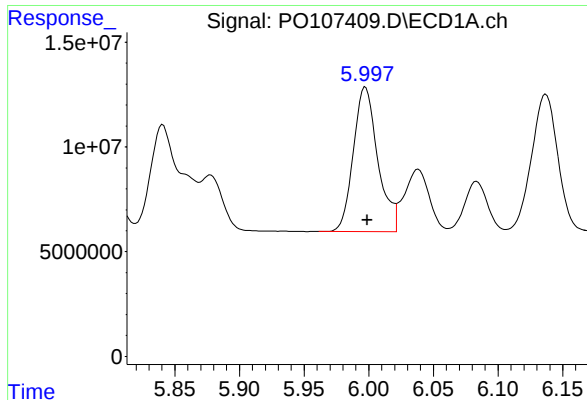
#6 AR-1016-4

R.T.: 5.702 min
Delta R.T.: -0.001 min
Response: 95067785
Conc: 493.57 ng/ml



#6 AR-1016-4

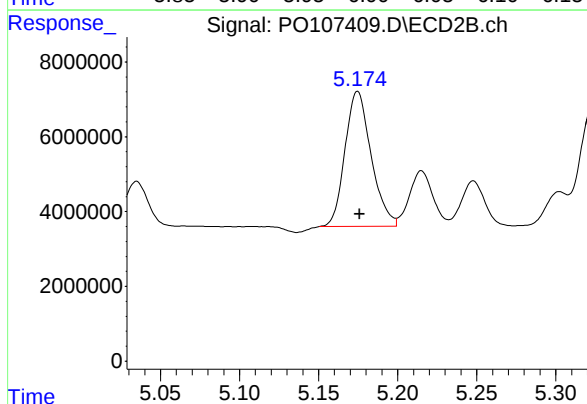
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 31640385
Conc: 478.61 ng/ml



#7 AR-1016-5

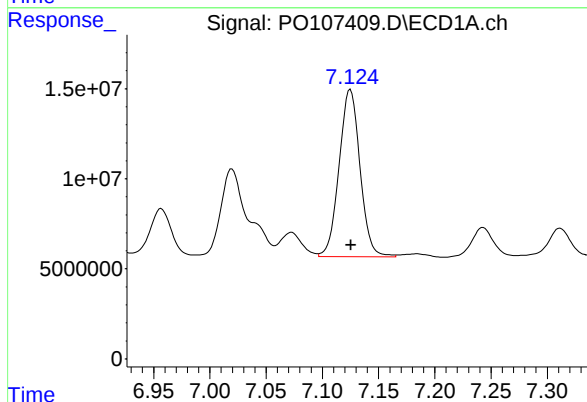
R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 90884982
Conc: 497.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



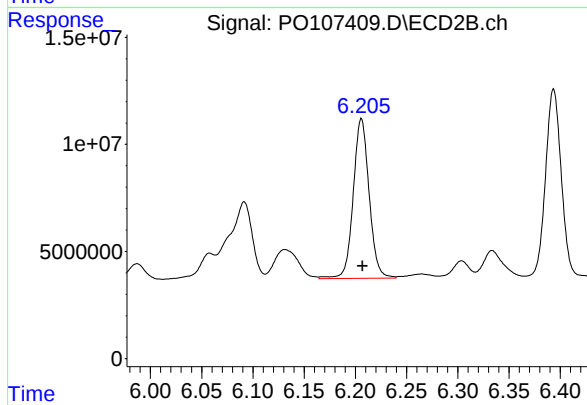
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 41686010
Conc: 507.54 ng/ml



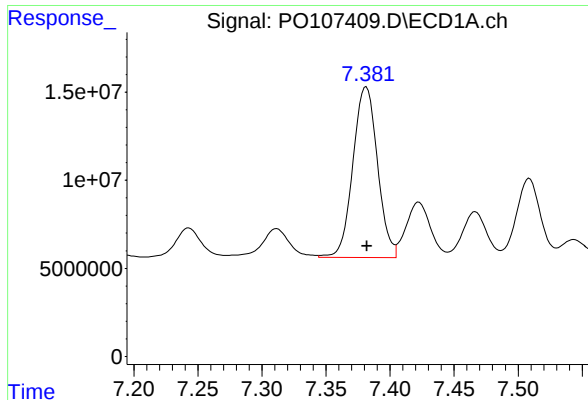
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 120436180
Conc: 465.74 ng/ml



#31 AR-1260-1

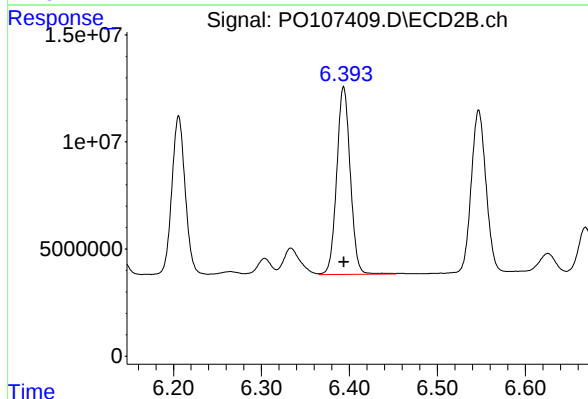
R.T.: 6.206 min
Delta R.T.: -0.001 min
Response: 80394766
Conc: 518.16 ng/ml



#32 AR-1260-2

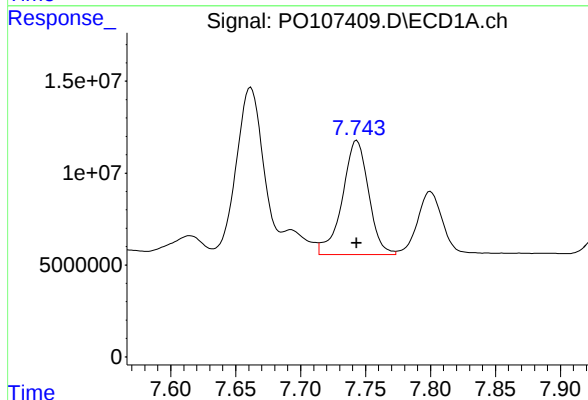
R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 129538895
Conc: 492.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



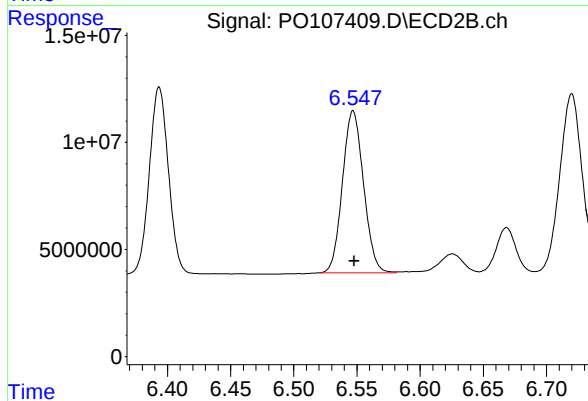
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 93851247
Conc: 532.90 ng/ml



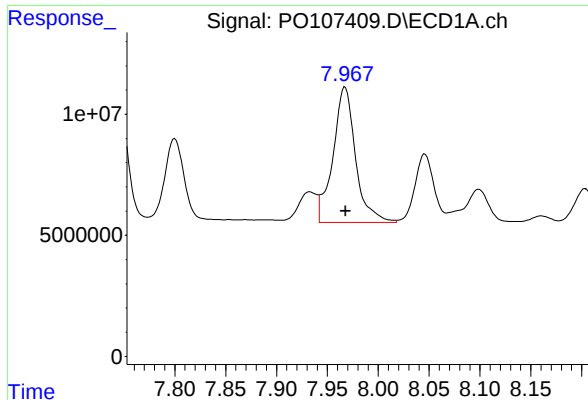
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 87379402
Conc: 486.13 ng/ml



#33 AR-1260-3

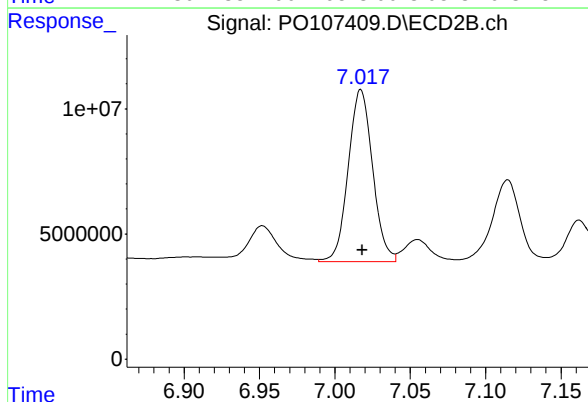
R.T.: 6.547 min
Delta R.T.: -0.001 min
Response: 88023204
Conc: 524.73 ng/ml



#34 AR-1260-4

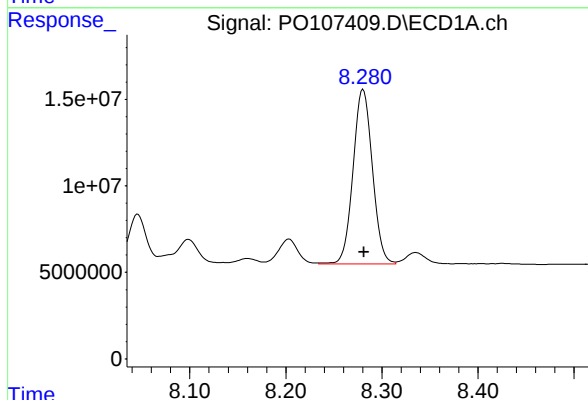
R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 86387935
Conc: 492.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



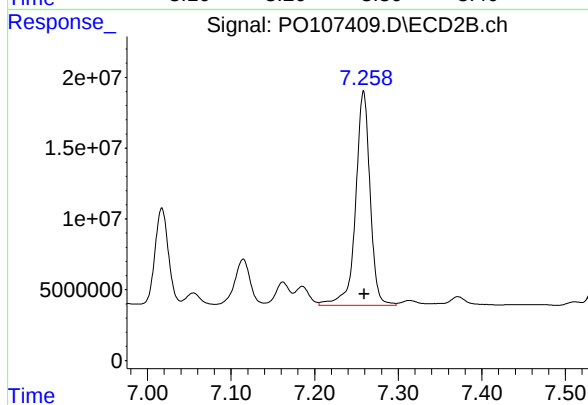
#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 77169606
Conc: 533.38 ng/ml



#35 AR-1260-5

R.T.: 8.280 min
Delta R.T.: 0.000 min
Response: 141160410
Conc: 496.36 ng/ml



#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 182512378
Conc: 554.01 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:22 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.60	5.61	5.51	5.71	0.01
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.05	10.06	9.96	10.16	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:22 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL04 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107421.D Time Analyzed: 11:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.519	5.423	5.623	467.400	500.000	-6.5
Aroclor-1016-2	5.542	5.445	5.645	458.050	500.000	-8.4
Aroclor-1016-3	5.604	5.507	5.707	455.130	500.000	-9.0
Aroclor-1016-4	5.701	5.604	5.804	473.820	500.000	-5.2
Aroclor-1016-5	5.996	5.899	6.099	478.100	500.000	-4.4
Aroclor-1260-1	7.124	7.026	7.226	463.460	500.000	-7.3
Aroclor-1260-2	7.379	7.282	7.482	471.410	500.000	-5.7
Aroclor-1260-3	7.741	7.643	7.843	454.480	500.000	-9.1
Aroclor-1260-4	7.965	7.868	8.068	438.720	500.000	-12.3
Aroclor-1260-5	8.278	8.181	8.381	474.790	500.000	-5.0
Decachlorobiphenyl	10.054	9.958	10.158	46.260	50.000	-7.5
Tetrachloro-m-xylene	4.371	4.274	4.474	47.030	50.000	-5.9



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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL04 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107421.D Time Analyzed: 11:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.724	4.626	4.826	512.280	500.000	2.5
Aroclor-1016-2	4.743	4.645	4.845	516.410	500.000	3.3
Aroclor-1016-3	4.919	4.821	5.021	495.570	500.000	-0.9
Aroclor-1016-4	4.960	4.862	5.062	477.890	500.000	-4.4
Aroclor-1016-5	5.173	5.076	5.276	501.090	500.000	0.2
Aroclor-1260-1	6.204	6.107	6.307	494.270	500.000	-1.1
Aroclor-1260-2	6.391	6.294	6.494	526.580	500.000	5.3
Aroclor-1260-3	6.544	6.448	6.648	502.020	500.000	0.4
Aroclor-1260-4	7.015	6.918	7.118	495.390	500.000	-0.9
Aroclor-1260-5	7.255	7.159	7.359	527.980	500.000	5.6
Decachlorobiphenyl	8.634	8.539	8.739	47.340	50.000	-5.3
Tetrachloro-m-xylene	3.643	3.545	3.745	49.980	50.000	0.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
 Data File : PO107421.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 11:22
 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: Oct 28 12:31:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.643	428.6E6	160.9E6	47.027	49.984
2) SA Decachlor...	10.054	8.634	113.5E6	129.8E6	46.255	47.336
Target Compounds						
3) L1 AR-1016-1	5.519	4.724	126.1E6	52901343	467.404	512.284
4) L1 AR-1016-2	5.542	4.743	181.8E6	72797112	458.050	516.410
5) L1 AR-1016-3	5.604	4.919	114.3E6	39023709	455.130	495.567
6) L1 AR-1016-4	5.701	4.960	91263986	31592192	473.823	477.885
7) L1 AR-1016-5	5.996	5.173	87326437	41156360	478.099	501.089
31) L7 AR-1260-1	7.124	6.204	119.8E6	76688293	463.463	494.270
32) L7 AR-1260-2	7.379	6.391	124.1E6	92738293	471.412	526.576
33) L7 AR-1260-3	7.741	6.544	81690130	84213555	454.478	502.024
34) L7 AR-1260-4	7.965	7.015	76996988	71673400	438.720	495.390
35) L7 AR-1260-5	8.278	7.255	135.0E6	173.9E6	474.788	527.983

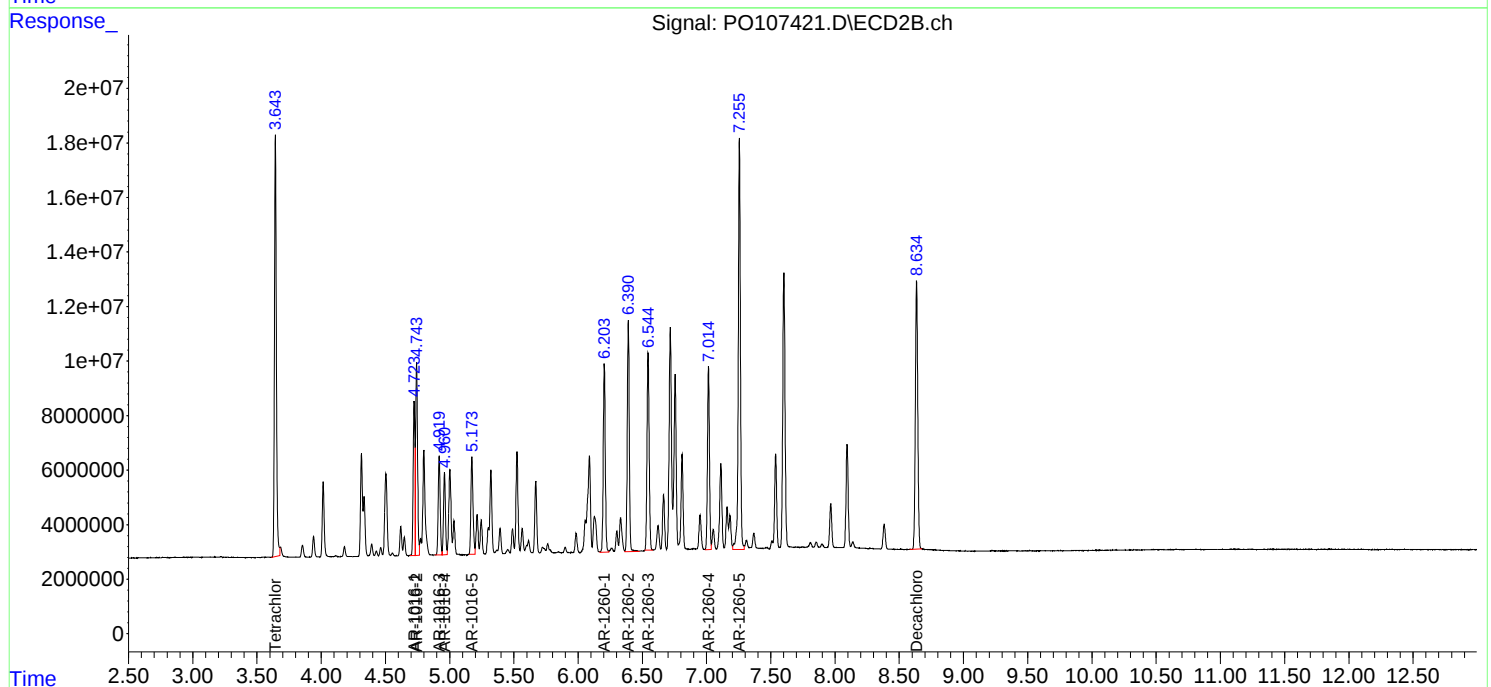
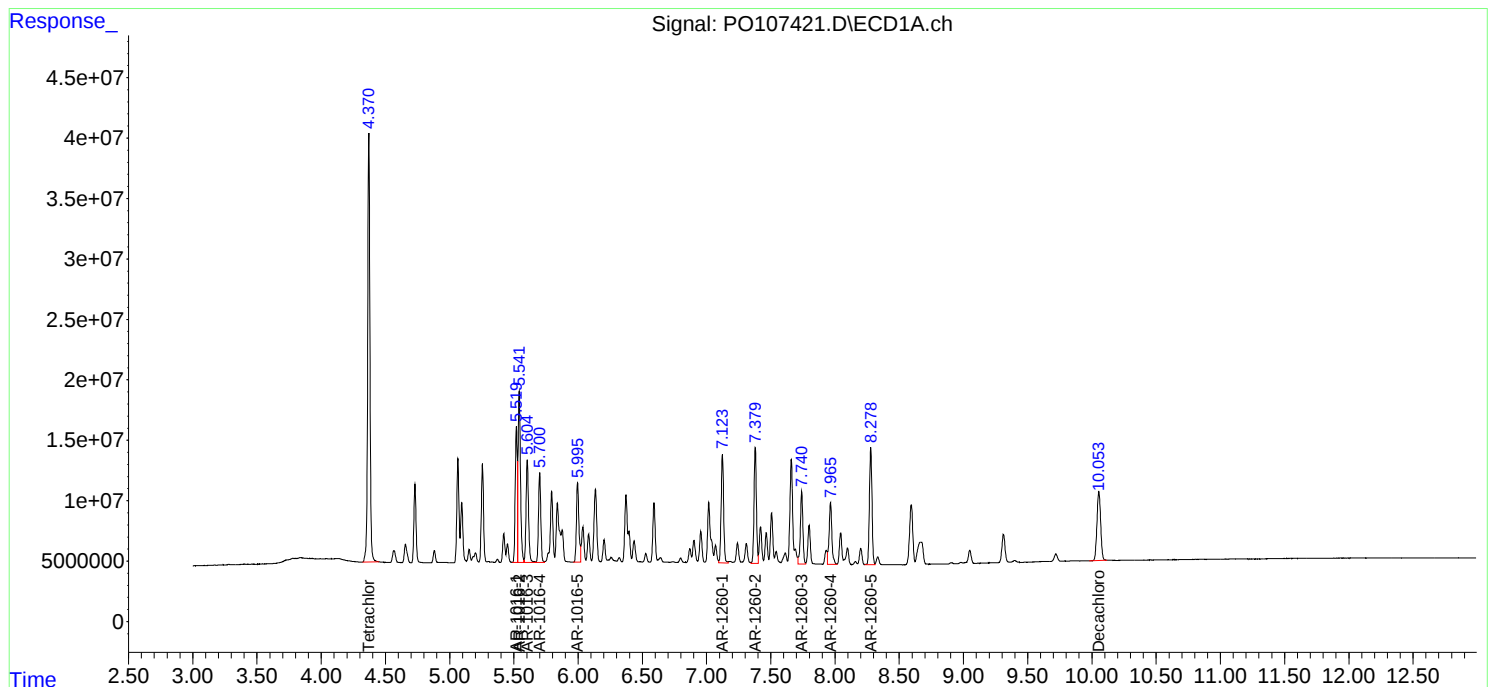
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

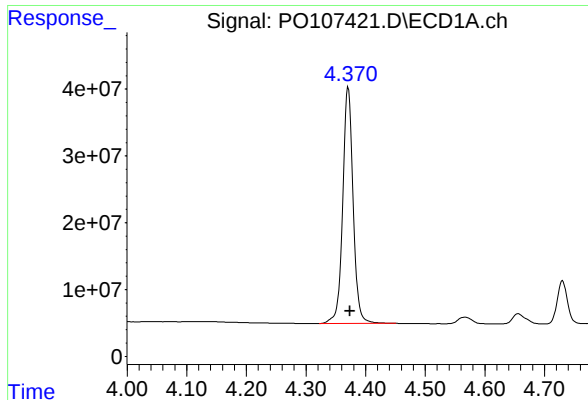
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 11:22
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 12:31:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : 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

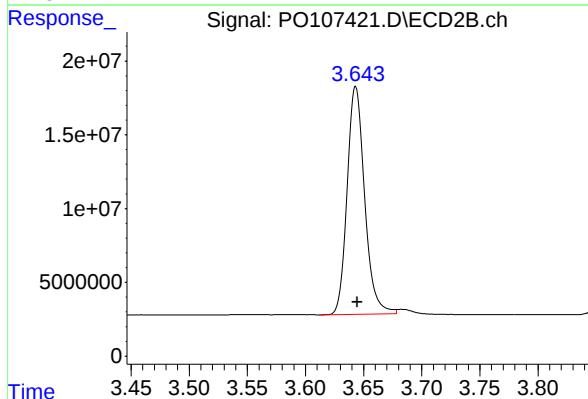




#1 Tetrachloro-m-xylene

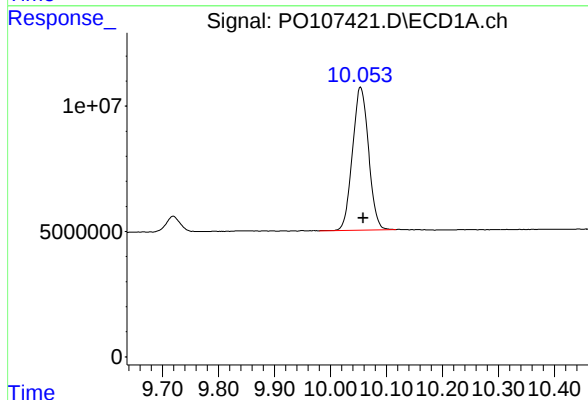
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 428602061
Conc: 47.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



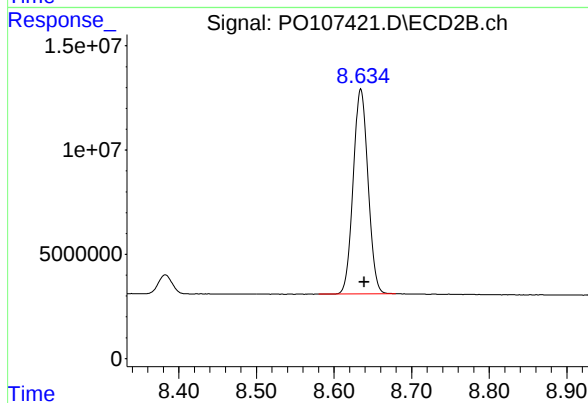
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 160874477
Conc: 49.98 ng/ml



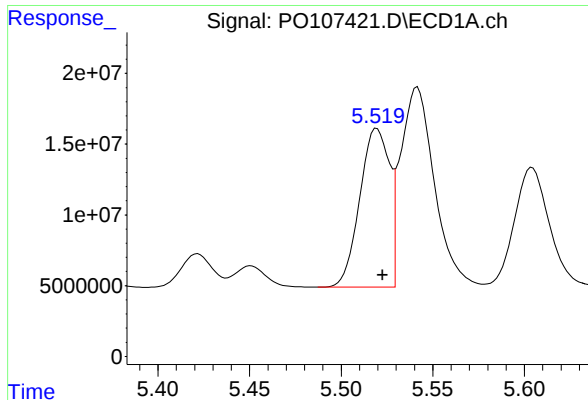
#2 Decachlorobiphenyl

R.T.: 10.054 min
Delta R.T.: -0.005 min
Response: 113481444
Conc: 46.26 ng/ml



#2 Decachlorobiphenyl

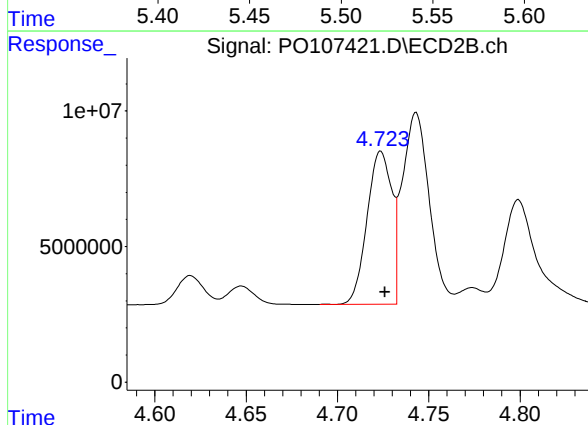
R.T.: 8.634 min
Delta R.T.: -0.004 min
Response: 129776783
Conc: 47.34 ng/ml



#3 AR-1016-1

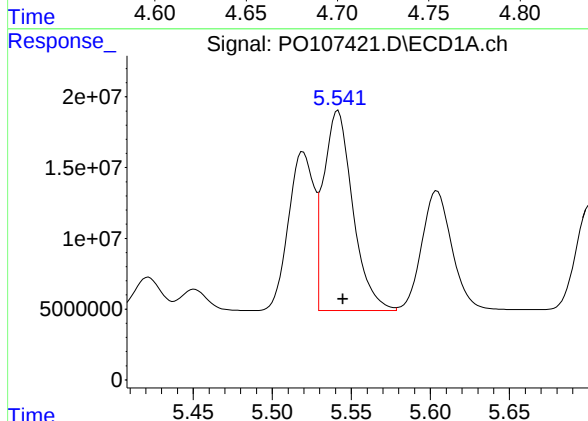
R.T.: 5.519 min
Delta R.T.: -0.003 min
Response: 126112211
Conc: 467.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



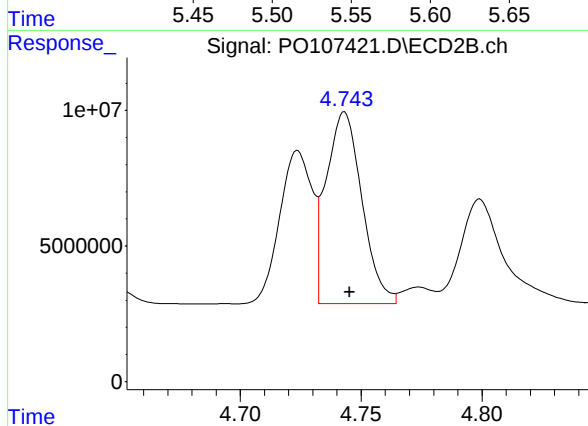
#3 AR-1016-1

R.T.: 4.724 min
Delta R.T.: -0.002 min
Response: 52901343
Conc: 512.28 ng/ml



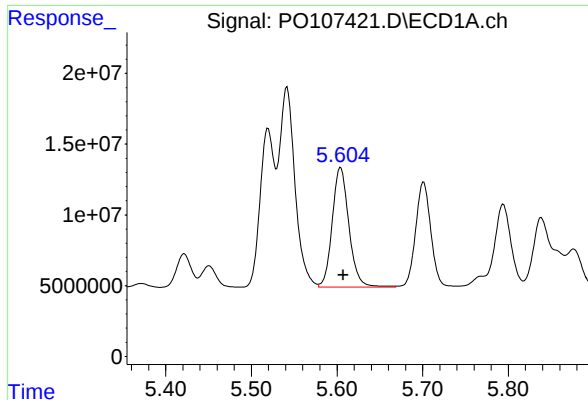
#4 AR-1016-2

R.T.: 5.542 min
Delta R.T.: -0.003 min
Response: 181792977
Conc: 458.05 ng/ml



#4 AR-1016-2

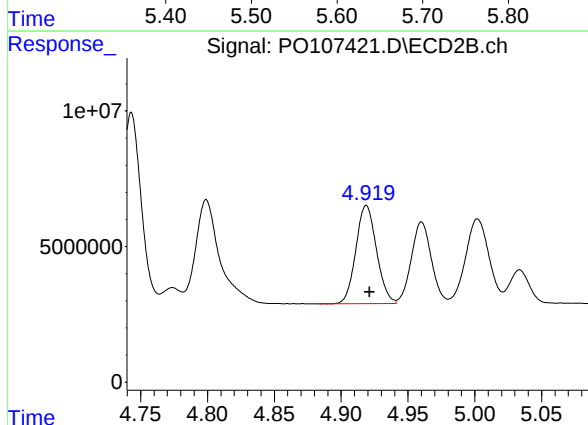
R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 72797112
Conc: 516.41 ng/ml



#5 AR-1016-3

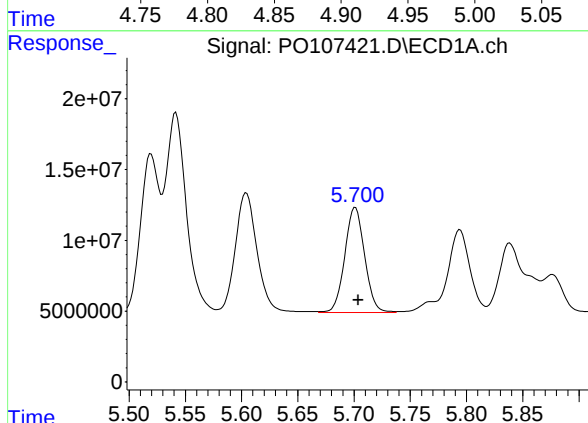
R.T.: 5.604 min
Delta R.T.: -0.003 min
Response: 114314764
Conc: 455.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



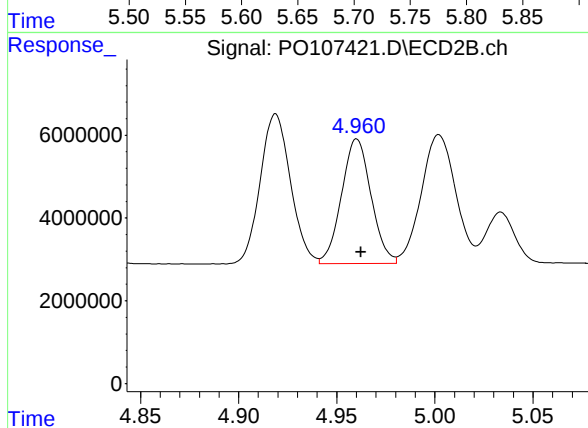
#5 AR-1016-3

R.T.: 4.919 min
Delta R.T.: -0.003 min
Response: 39023709
Conc: 495.57 ng/ml



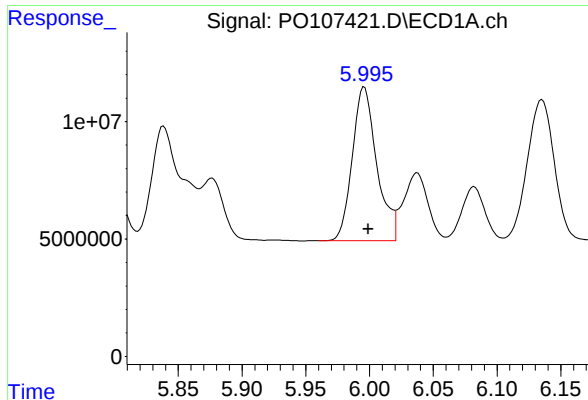
#6 AR-1016-4

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 91263986
Conc: 473.82 ng/ml



#6 AR-1016-4

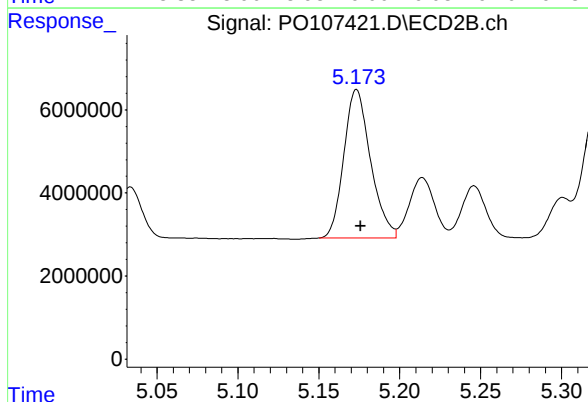
R.T.: 4.960 min
Delta R.T.: -0.002 min
Response: 31592192
Conc: 477.89 ng/ml



#7 AR-1016-5

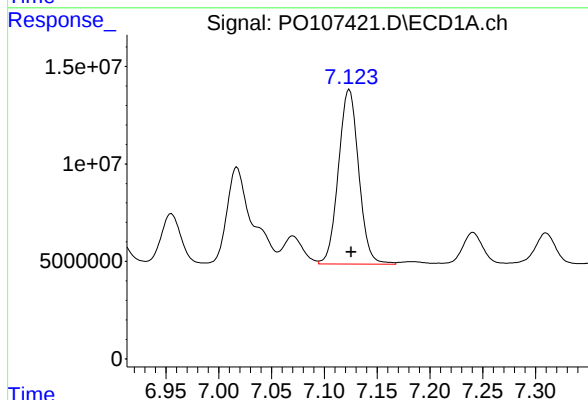
R.T.: 5.996 min
Delta R.T.: -0.003 min
Response: 87326437
Conc: 478.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



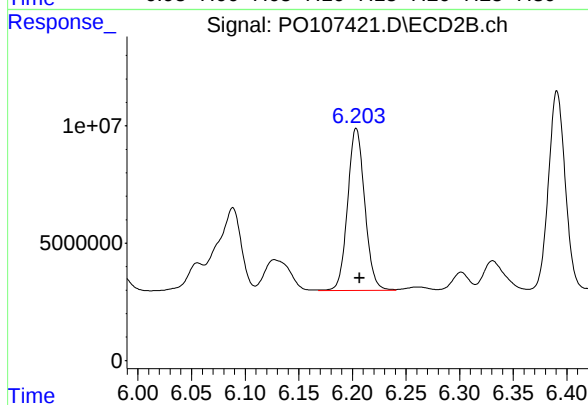
#7 AR-1016-5

R.T.: 5.173 min
Delta R.T.: -0.003 min
Response: 41156360
Conc: 501.09 ng/ml



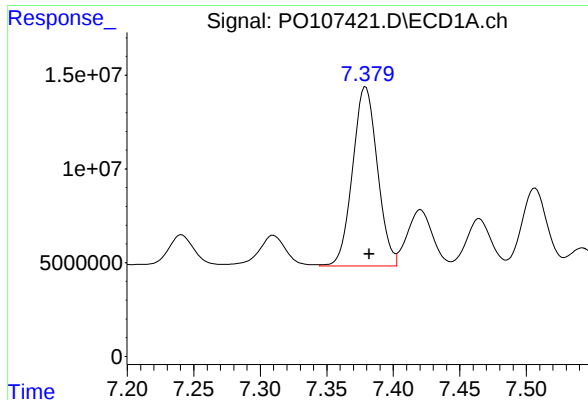
#31 AR-1260-1

R.T.: 7.124 min
Delta R.T.: -0.002 min
Response: 119846301
Conc: 463.46 ng/ml



#31 AR-1260-1

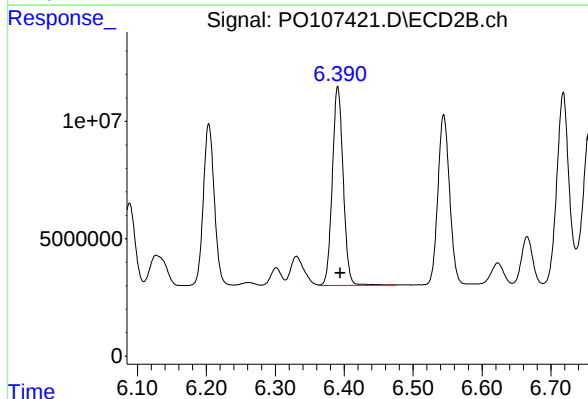
R.T.: 6.204 min
Delta R.T.: -0.003 min
Response: 76688293
Conc: 494.27 ng/ml



#32 AR-1260-2

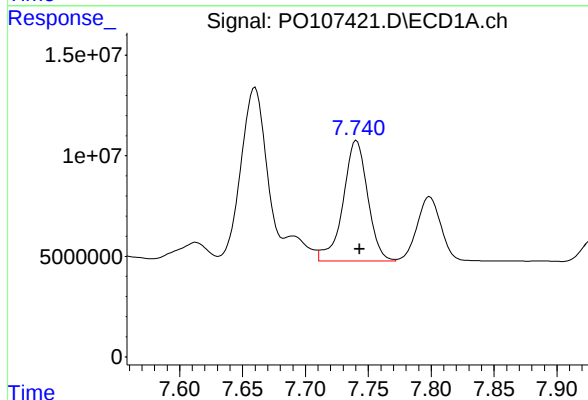
R.T.: 7.379 min
Delta R.T.: -0.003 min
Response: 124085223
Conc: 471.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



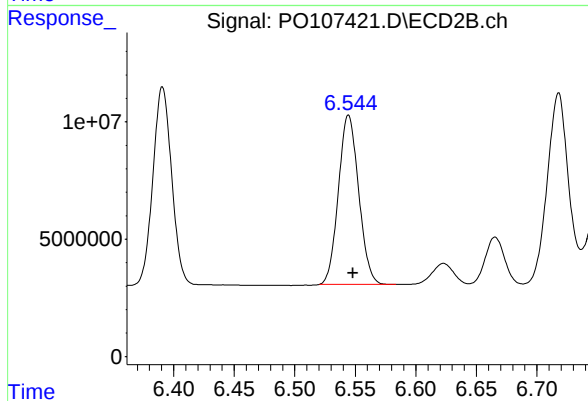
#32 AR-1260-2

R.T.: 6.391 min
Delta R.T.: -0.003 min
Response: 92738293
Conc: 526.58 ng/ml



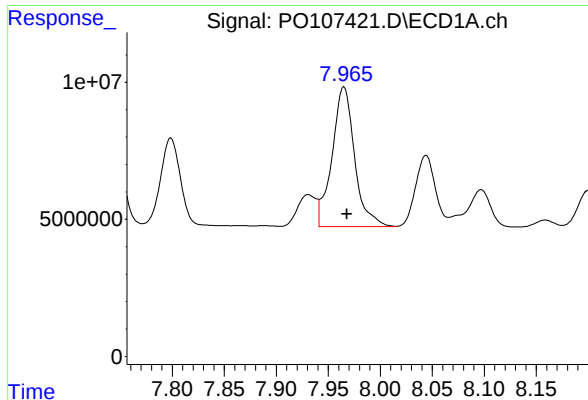
#33 AR-1260-3

R.T.: 7.741 min
Delta R.T.: -0.003 min
Response: 81690130
Conc: 454.48 ng/ml



#33 AR-1260-3

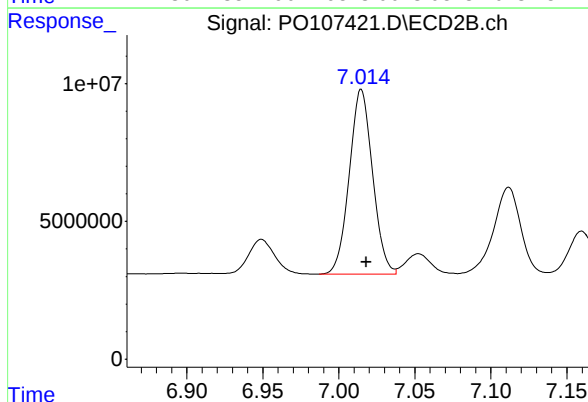
R.T.: 6.544 min
Delta R.T.: -0.004 min
Response: 84213555
Conc: 502.02 ng/ml



#34 AR-1260-4

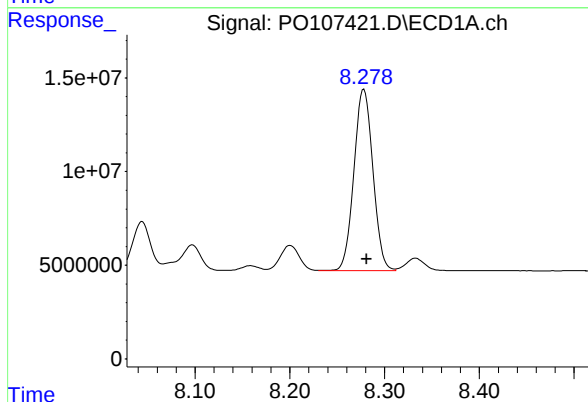
R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 76996988
Conc: 438.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



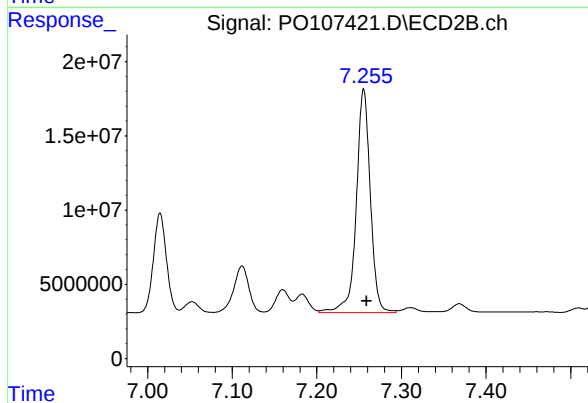
#34 AR-1260-4

R.T.: 7.015 min
Delta R.T.: -0.003 min
Response: 71673400
Conc: 495.39 ng/ml



#35 AR-1260-5

R.T.: 8.278 min
Delta R.T.: -0.003 min
Response: 135026796
Conc: 474.79 ng/ml



#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: -0.004 min
Response: 173938913
Conc: 527.98 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 16:10 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.60	5.61	5.51	5.71	0.01
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 16:10 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL05 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107435.D Time Analyzed: 16:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.519	5.423	5.623	480.930	500.000	-3.8
Aroclor-1016-2	5.542	5.445	5.645	469.040	500.000	-6.2
Aroclor-1016-3	5.604	5.507	5.707	469.220	500.000	-6.2
Aroclor-1016-4	5.701	5.604	5.804	488.600	500.000	-2.3
Aroclor-1016-5	5.996	5.899	6.099	484.120	500.000	-3.2
Aroclor-1260-1	7.123	7.026	7.226	459.280	500.000	-8.1
Aroclor-1260-2	7.379	7.282	7.482	476.130	500.000	-4.8
Aroclor-1260-3	7.741	7.643	7.843	470.430	500.000	-5.9
Aroclor-1260-4	7.965	7.868	8.068	465.450	500.000	-6.9
Aroclor-1260-5	8.277	8.181	8.381	480.940	500.000	-3.8
Decachlorobiphenyl	10.055	9.958	10.158	47.620	50.000	-4.8
Tetrachloro-m-xylene	4.371	4.274	4.474	47.610	50.000	-4.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL05 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107435.D Time Analyzed: 16:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.724	4.626	4.826	523.860	500.000	4.8
Aroclor-1016-2	4.743	4.645	4.845	530.430	500.000	6.1
Aroclor-1016-3	4.919	4.821	5.021	508.190	500.000	1.6
Aroclor-1016-4	4.960	4.862	5.062	491.260	500.000	-1.7
Aroclor-1016-5	5.173	5.076	5.276	531.290	500.000	6.3
Aroclor-1260-1	6.204	6.107	6.307	493.890	500.000	-1.2
Aroclor-1260-2	6.390	6.294	6.494	525.730	500.000	5.1
Aroclor-1260-3	6.544	6.448	6.648	507.540	500.000	1.5
Aroclor-1260-4	7.014	6.918	7.118	492.640	500.000	-1.5
Aroclor-1260-5	7.255	7.159	7.359	527.570	500.000	5.5
Decachlorobiphenyl	8.634	8.539	8.739	48.670	50.000	-2.7
Tetrachloro-m-xylene	3.643	3.545	3.745	51.710	50.000	3.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
 Data File : PO107435.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 16:10
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AR1660CCC500

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 29 01:41:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.643	434.0E6	166.4E6	47.615	51.709
2) SA Decachlor...	10.055	8.634	116.8E6	133.4E6	47.620	48.670
Target Compounds						
3) L1 AR-1016-1	5.519	4.724	129.8E6	54096790	480.930	523.860
4) L1 AR-1016-2	5.542	4.743	186.2E6	74773720	469.040	530.431
5) L1 AR-1016-3	5.604	4.919	117.9E6	40017638	469.218	508.189
6) L1 AR-1016-4	5.701	4.960	94109529	32476524	488.597	491.262
7) L1 AR-1016-5	5.996	5.173	88426602	43636786	484.122	531.289m
31) L7 AR-1260-1	7.123	6.204	118.8E6	76628986	459.277	493.888
32) L7 AR-1260-2	7.379	6.390	125.3E6	92588971	476.132	525.728
33) L7 AR-1260-3	7.741	6.544	84558116	85138903	470.433	507.540
34) L7 AR-1260-4	7.965	7.014	81688411	71275922	465.451	492.643
35) L7 AR-1260-5	8.277	7.255	136.8E6	173.8E6	480.940	527.570

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

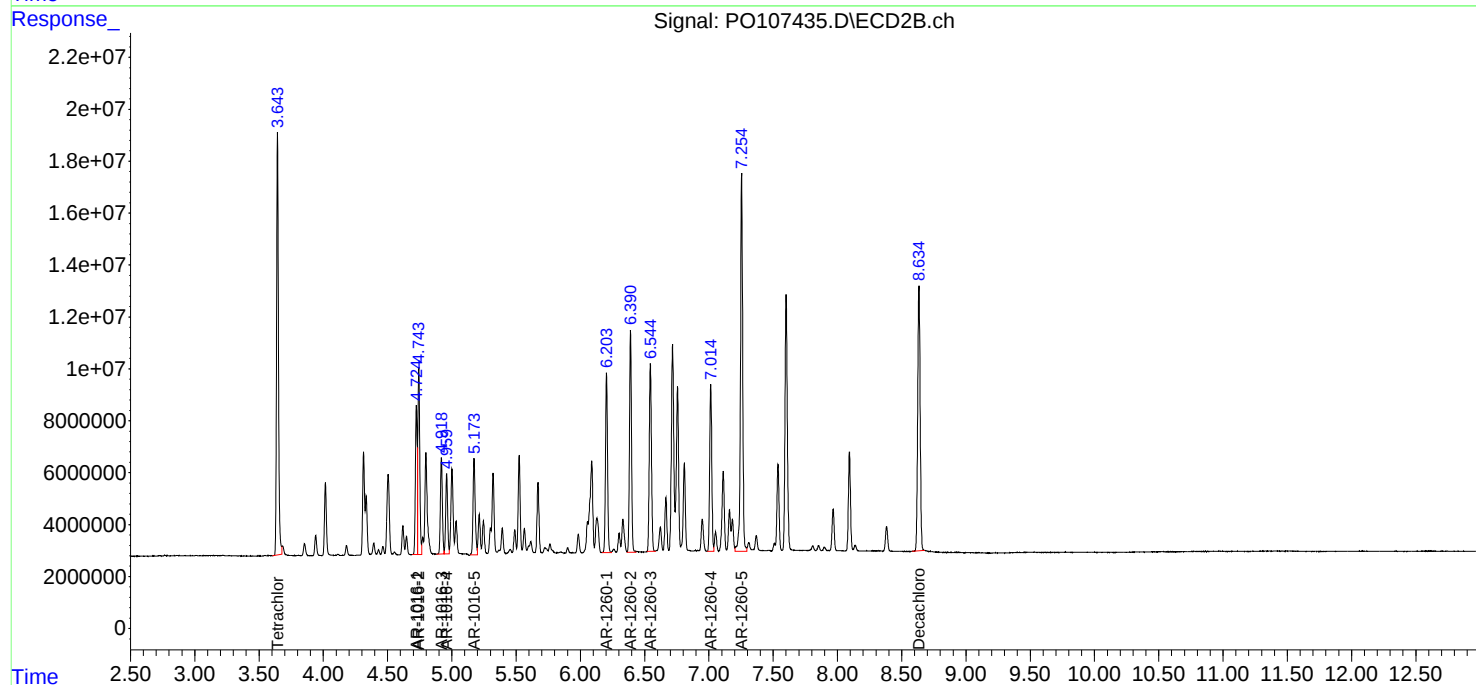
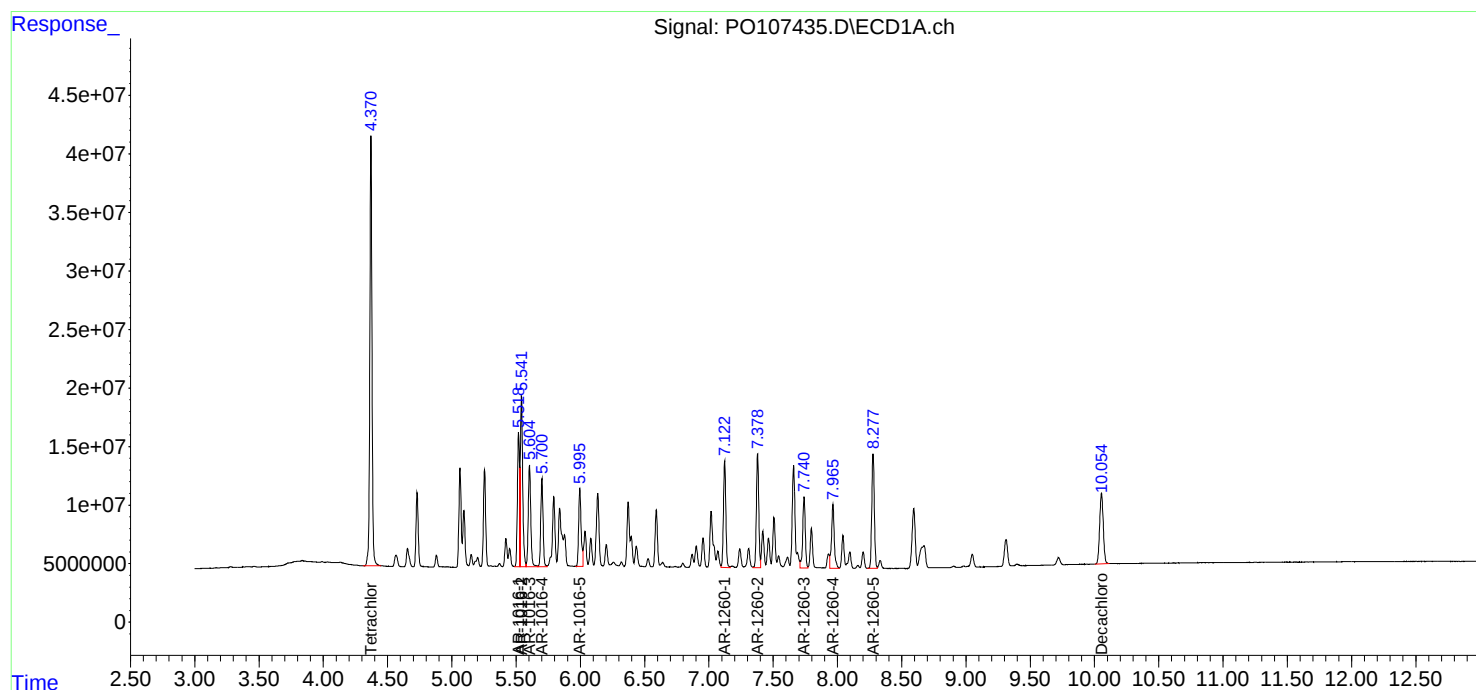
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

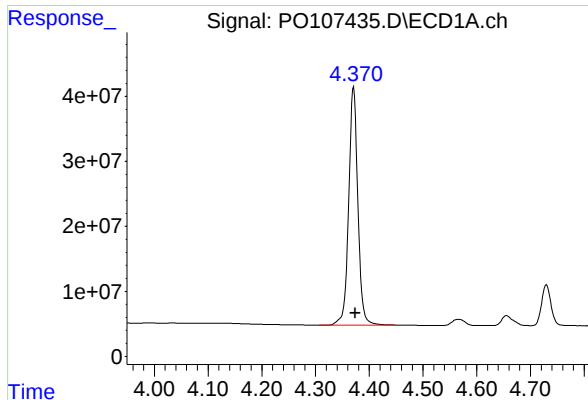
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





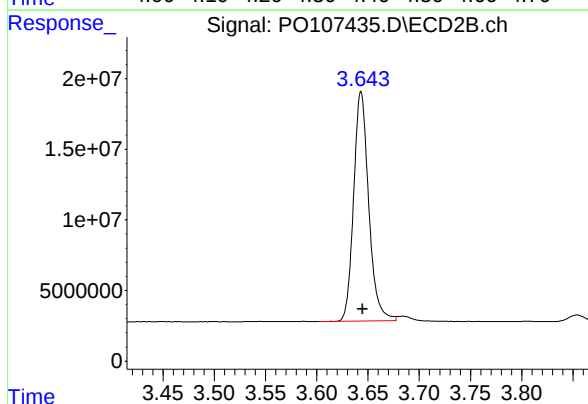
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 433953904
Conc: 47.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

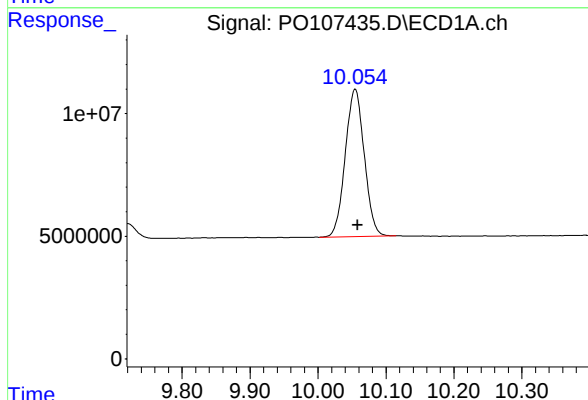
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



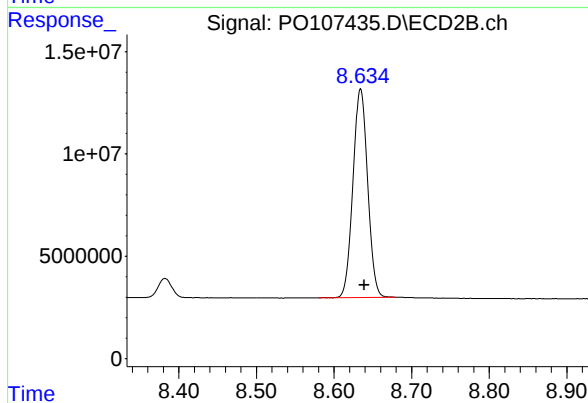
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 166426707
Conc: 51.71 ng/ml



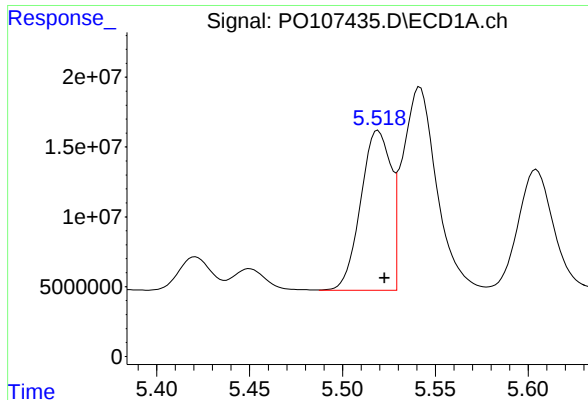
#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.004 min
Response: 116829290
Conc: 47.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 133434615
Conc: 48.67 ng/ml



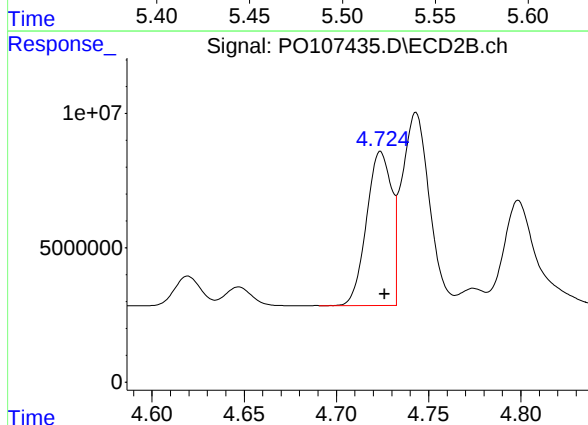
#3 AR-1016-1

R.T.: 5.519 min
Delta R.T.: -0.004 min
Response: 129761733
Conc: 480.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

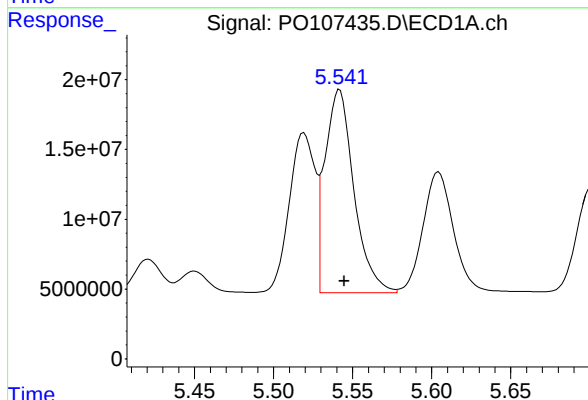
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



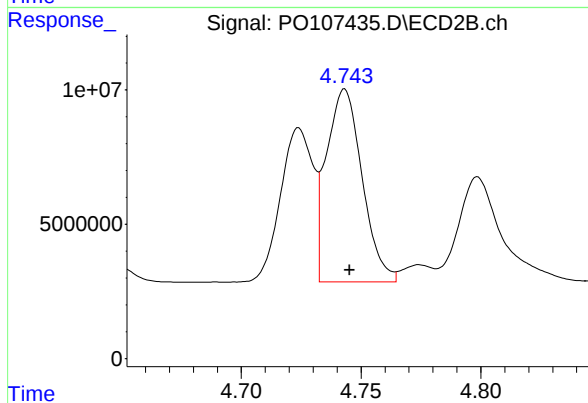
#3 AR-1016-1

R.T.: 4.724 min
Delta R.T.: -0.002 min
Response: 54096790
Conc: 523.86 ng/ml



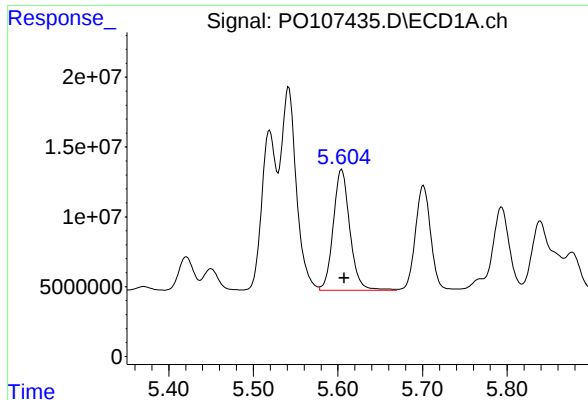
#4 AR-1016-2

R.T.: 5.542 min
Delta R.T.: -0.003 min
Response: 186154922
Conc: 469.04 ng/ml



#4 AR-1016-2

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 74773720
Conc: 530.43 ng/ml



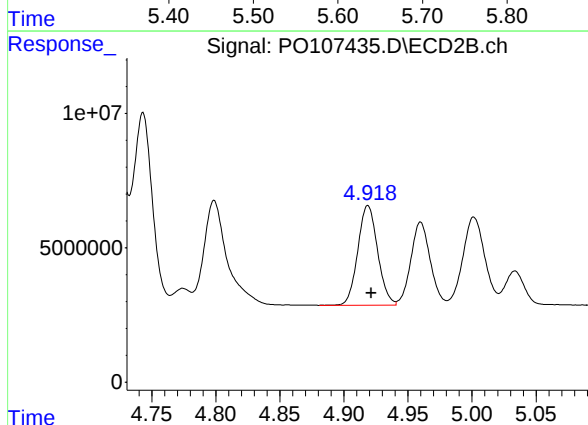
#5 AR-1016-3

R.T.: 5.604 min
Delta R.T.: -0.003 min
Response: 117853358
Conc: 469.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

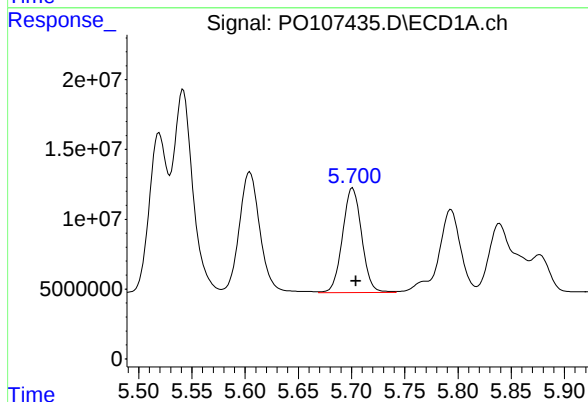
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



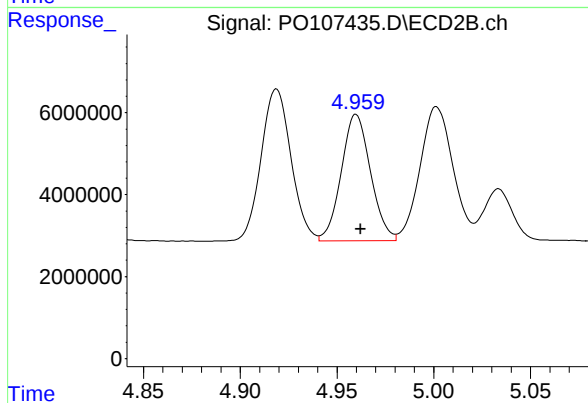
#5 AR-1016-3

R.T.: 4.919 min
Delta R.T.: -0.003 min
Response: 40017638
Conc: 508.19 ng/ml



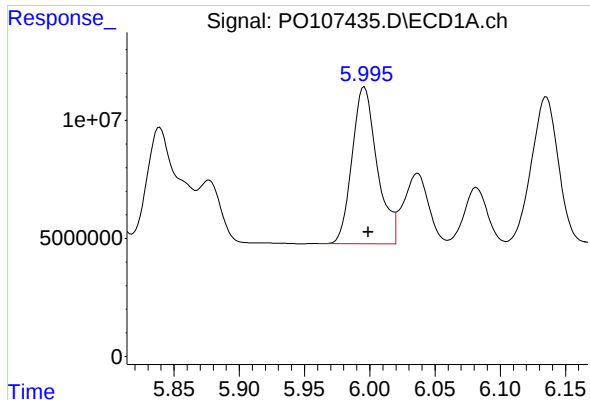
#6 AR-1016-4

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 94109529
Conc: 488.60 ng/ml



#6 AR-1016-4

R.T.: 4.960 min
Delta R.T.: -0.002 min
Response: 32476524
Conc: 491.26 ng/ml



#7 AR-1016-5

R.T.: 5.996 min
Delta R.T.: -0.003 min
Response: 88426602
Conc: 484.12 ng/ml

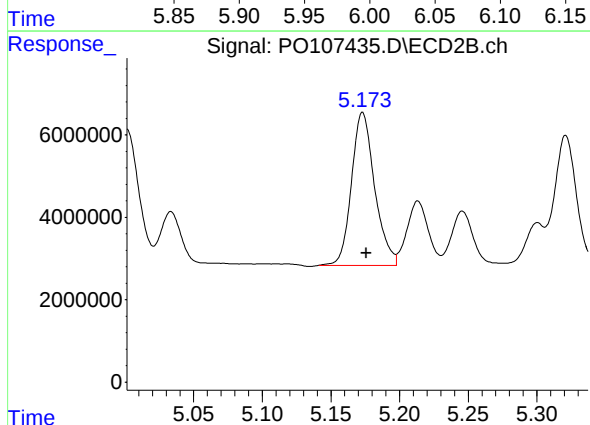
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

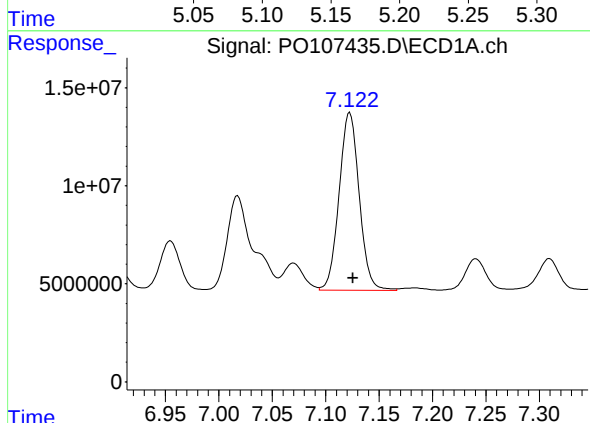
10/29/2024
Supervised By :Ankita
Jodhani

10/29/2024



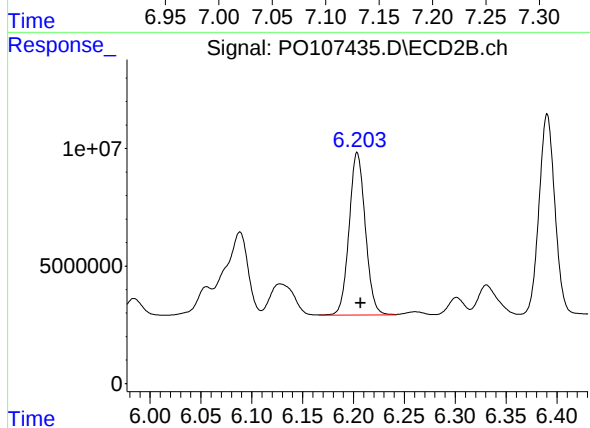
#7 AR-1016-5

R.T.: 5.173 min
Delta R.T.: -0.003 min
Response: 43636786
Conc: 531.29 ng/ml



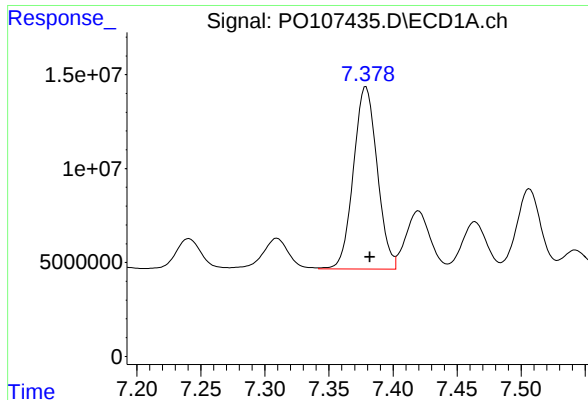
#31 AR-1260-1

R.T.: 7.123 min
Delta R.T.: -0.003 min
Response: 118763777
Conc: 459.28 ng/ml



#31 AR-1260-1

R.T.: 6.204 min
Delta R.T.: -0.003 min
Response: 76628986
Conc: 493.89 ng/ml



#32 AR-1260-2

R.T.: 7.379 min
Delta R.T.: -0.003 min
Response: 125327517
Conc: 476.13 ng/ml

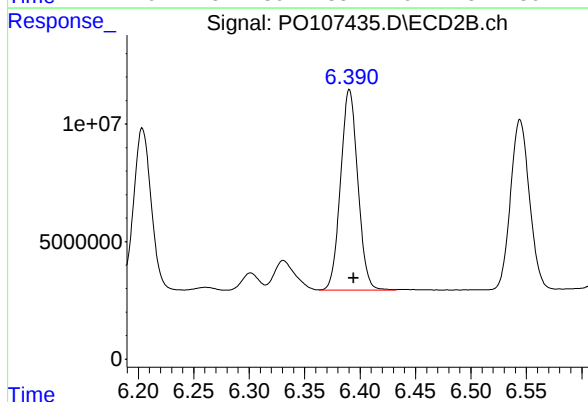
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

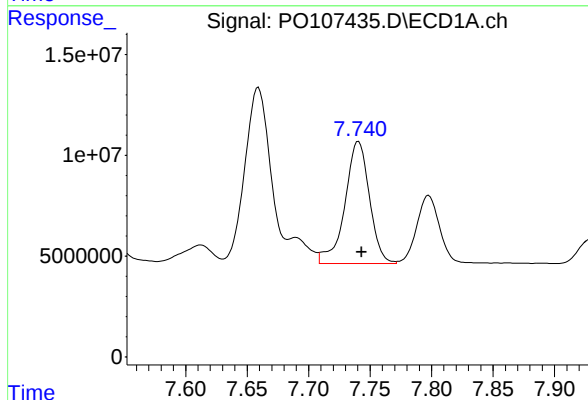
10/29/2024
Supervised By :Ankita
Jodhani

10/29/2024



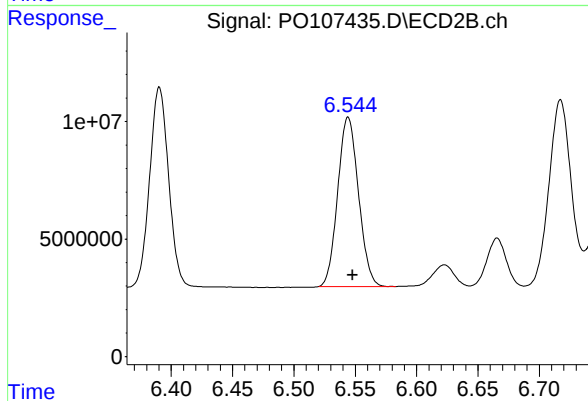
#32 AR-1260-2

R.T.: 6.390 min
Delta R.T.: -0.004 min
Response: 92588971
Conc: 525.73 ng/ml



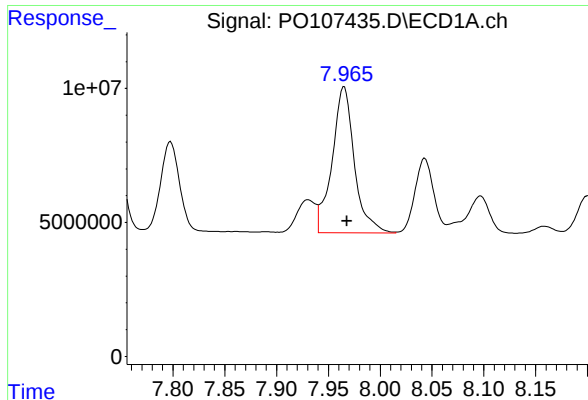
#33 AR-1260-3

R.T.: 7.741 min
Delta R.T.: -0.003 min
Response: 84558116
Conc: 470.43 ng/ml



#33 AR-1260-3

R.T.: 6.544 min
Delta R.T.: -0.004 min
Response: 85138903
Conc: 507.54 ng/ml



#34 AR-1260-4

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 81688411
Conc: 465.45 ng/ml

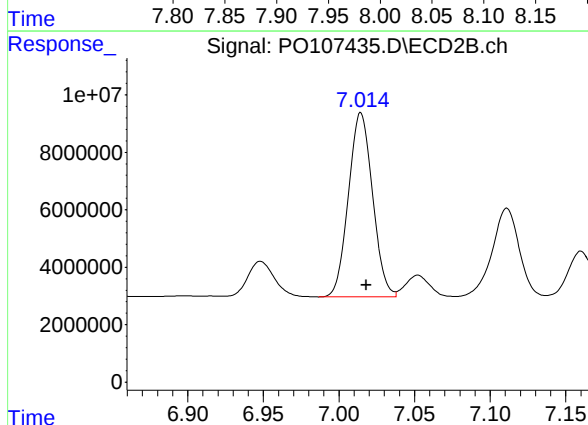
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

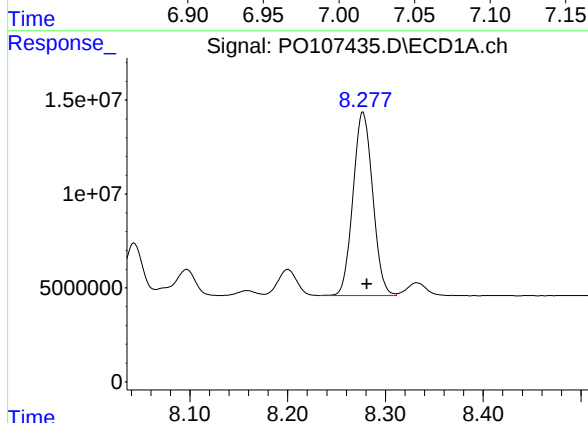
10/29/2024
Supervised By :Ankita
Jodhani

10/29/2024



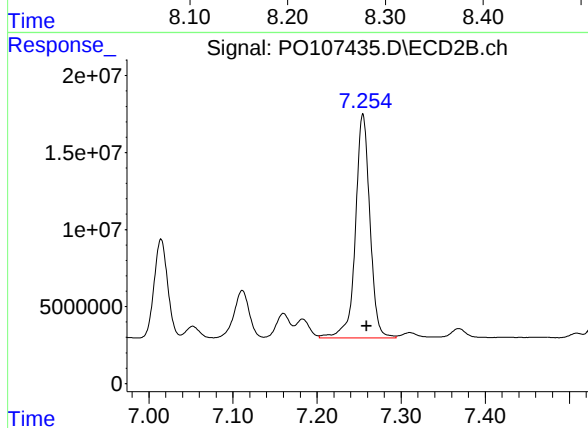
#34 AR-1260-4

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 71275922
Conc: 492.64 ng/ml



#35 AR-1260-5

R.T.: 8.277 min
Delta R.T.: -0.004 min
Response: 136776313
Conc: 480.94 ng/ml



#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: -0.005 min
Response: 173803158
Conc: 527.57 ng/ml

Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: P4549

Project: CTO WE13

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/15/2024

10/15/2024

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	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/25/2024	15:49	PO107382.D	10.06	4.37
IBLK	IBLK	10/25/2024	17:01	PO107386.D	10.06	4.37
TT-069-IDWGW-20241024	P4549-04	10/25/2024	19:08	PO107393.D	10.06	4.37
PB164403BS	PB164403BS	10/25/2024	19:44	PO107395.D	10.06	4.37
PB164403BSD	PB164403BSD	10/25/2024	20:02	PO107396.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/25/2024	20:48	PO107397.D	10.06	4.37
IBLK	IBLK	10/25/2024	22:01	PO107401.D	10.06	4.37
TT-067-IDWGW-20241024	P4549-02	10/25/2024	23:49	PO107407.D	10.06	4.37
TT-068-IDWGW-20241024	P4549-03	10/26/2024	00:07	PO107408.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/26/2024	00:54	PO107409.D	10.06	4.37
IBLK	IBLK	10/26/2024	02:06	PO107413.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	10.05	4.37
IBLK	IBLK	10/28/2024	12:16	PO107424.D	10.05	4.37

Analytical Sequence

PB164403BL	PB164403BL	10/28/2024	13:46	PO107429.D	10.07	4.39
TT-067-IDWGW-20241024RE	P4549-02RE	10/28/2024	14:04	PO107430.D	10.06	4.37
TT-068-IDWGW-20241024RE	P4549-03RE	10/28/2024	14:22	PO107431.D	10.06	4.37
TT-069-IDWGW-20241024RE	P4549-04RE	10/28/2024	14:40	PO107432.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	10.06	4.37
LBLK	LBLK	10/28/2024	17:40	PO107440.D	10.06	4.37

Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: P4549

Project: CTO WE13

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/15/2024

10/15/2024

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	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/25/2024	15:49	PO107382.D	8.64	3.65
IBLK	IBLK	10/25/2024	17:01	PO107386.D	8.64	3.64
TT-069-IDWGW-20241024	P4549-04	10/25/2024	19:08	PO107393.D	8.64	3.65
PB164403BS	PB164403BS	10/25/2024	19:44	PO107395.D	8.64	3.65
PB164403BSD	PB164403BSD	10/25/2024	20:02	PO107396.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/25/2024	20:48	PO107397.D	8.64	3.64
IBLK	IBLK	10/25/2024	22:01	PO107401.D	8.64	3.64
TT-067-IDWGW-20241024	P4549-02	10/25/2024	23:49	PO107407.D	8.64	3.65
TT-068-IDWGW-20241024	P4549-03	10/26/2024	00:07	PO107408.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/26/2024	00:54	PO107409.D	8.64	3.64
IBLK	IBLK	10/26/2024	02:06	PO107413.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	8.63	3.64
IBLK	IBLK	10/28/2024	12:16	PO107424.D	8.63	3.64

Analytical Sequence

PB164403BL	PB164403BL	10/28/2024	13:46	PO107429.D	8.64	3.64
TT-067-IDWGW-20241024RE	P4549-02RE	10/28/2024	14:04	PO107430.D	8.64	3.64
TT-068-IDWGW-20241024RE	P4549-03RE	10/28/2024	14:22	PO107431.D	8.64	3.64
TT-069-IDWGW-20241024RE	P4549-04RE	10/28/2024	14:40	PO107432.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	8.63	3.64
LBLK	LBLK	10/28/2024	17:40	PO107440.D	8.63	3.64

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164403BS

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Lab Sample ID: PB164403BS Date(s) Analyzed: 10/25/2024 10/25/2024

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 PO107395.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.521	5.471	5.571	4.39	4.30	8.89
COLUMN 1	2	5.544	5.494	5.594	4.28		
	3	5.606	5.556	5.656	4.13		
	4	5.703	5.653	5.753	4.34		
	5	5.998	5.948	6.048	4.60		
	1	4.725	4.675	4.775	4.98		
COLUMN 2	2	4.745	4.695	4.795	5.03	4.70	
	3	4.92	4.87	4.97	4.71		
	4	4.961	4.911	5.011	4.38		
	5	5.175	5.125	5.225	4.58		
Aroclor-1260	1	7.125	7.075	7.175	4.22	4.00	9.52
COLUMN 1	2	7.382	7.332	7.432	4.38		
	3	7.744	7.694	7.794	3.69		
	4	7.968	7.918	8.018	3.96		
	5	8.282	8.232	8.332	3.96		
	1	6.206	6.156	6.256	4.60		
COLUMN 2	2	6.393	6.343	6.443	4.91	4.40	
	3	6.546	6.496	6.596	4.60		
	4	7.017	6.967	7.067	3.77		
	5	7.257	7.207	7.307	3.94		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164403BSD

Contract: TETR06

Lab Code: CHEM

Case No.: P4549

SAS No.: P4549

SDG NO.: P4549

Lab Sample ID: PB164403BSD

Date(s) Analyzed: 10/25/2024

10/25/2024

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 PO107396.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.522	5.472	5.572	4.45	4.40	8.7
COLUMN 1	2	5.545	5.495	5.595	4.29		
	3	5.606	5.556	5.656	4.20		
	4	5.704	5.654	5.754	4.38		
	5	5.999	5.949	6.049	4.45		
	1	4.725	4.675	4.775	5.04		
COLUMN 2	2	4.745	4.695	4.795	5.08	4.80	
	3	4.92	4.87	4.97	4.78		
	4	4.961	4.911	5.011	4.46		
	5	5.174	5.124	5.224	4.67		
Aroclor-1260	1	7.126	7.076	7.176	4.41	4.10	7.06
COLUMN 1	2	7.382	7.332	7.432	4.48		
	3	7.745	7.695	7.795	3.72		
	4	7.969	7.919	8.019	4.03		
	5	8.283	8.233	8.333	4.00		
	1	6.206	6.156	6.256	4.61		
COLUMN 2	2	6.393	6.343	6.443	4.88	4.40	
	3	6.546	6.496	6.596	4.78		
	4	7.017	6.967	7.067	3.83		
	5	7.258	7.208	7.308	4.11		



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB164403BL	SDG No.:	P4549
Lab Sample ID:	PB164403BL	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 :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107429.D	1	10/25/24 09:10	10/28/24 13:46	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.6		35 - 137		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		40 - 135		113%	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\PO102824\
 Data File : PO107429.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 13:46
 Operator : YP/AJ
 Sample : PB164403BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164403BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 14:17:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.388	3.644	178.5E6	66154456	19.590	20.554
2) SA Decachlor...	10.072	8.635	55193544	61821942	22.497	22.550

Target Compounds

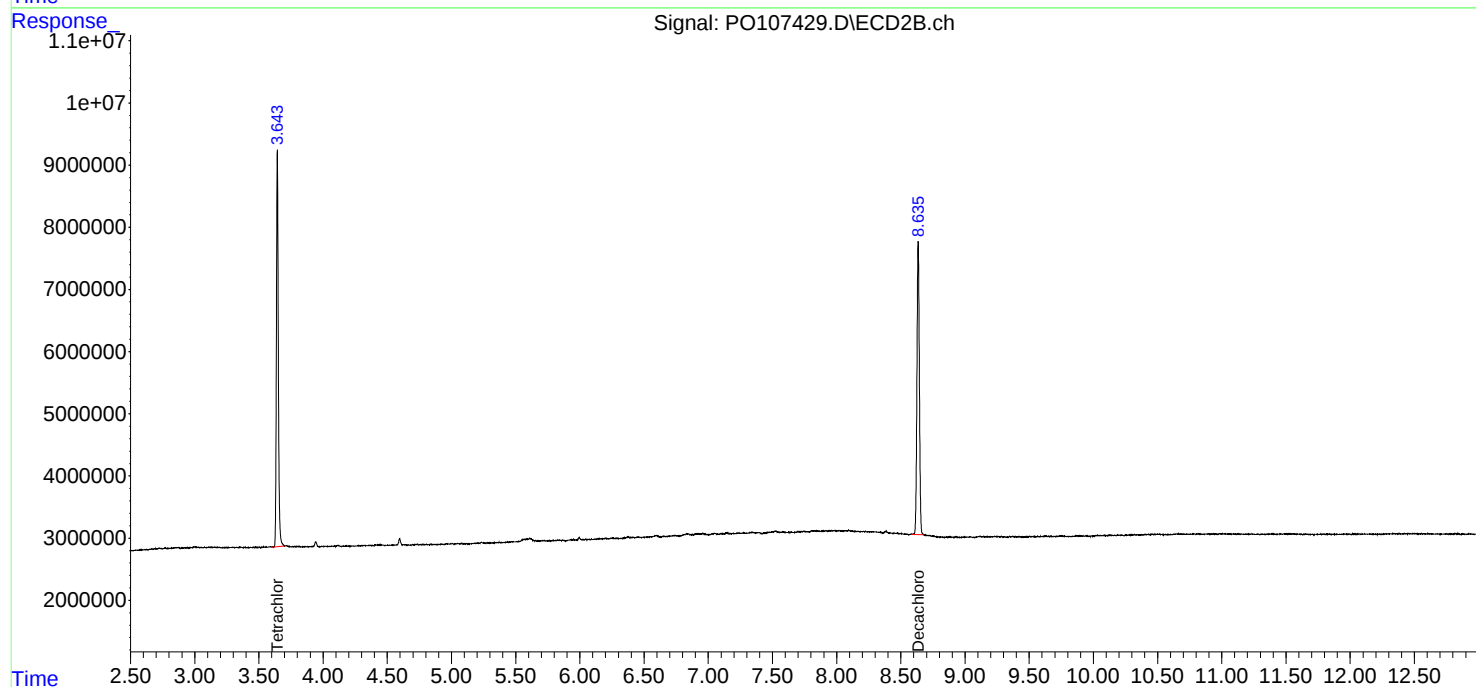
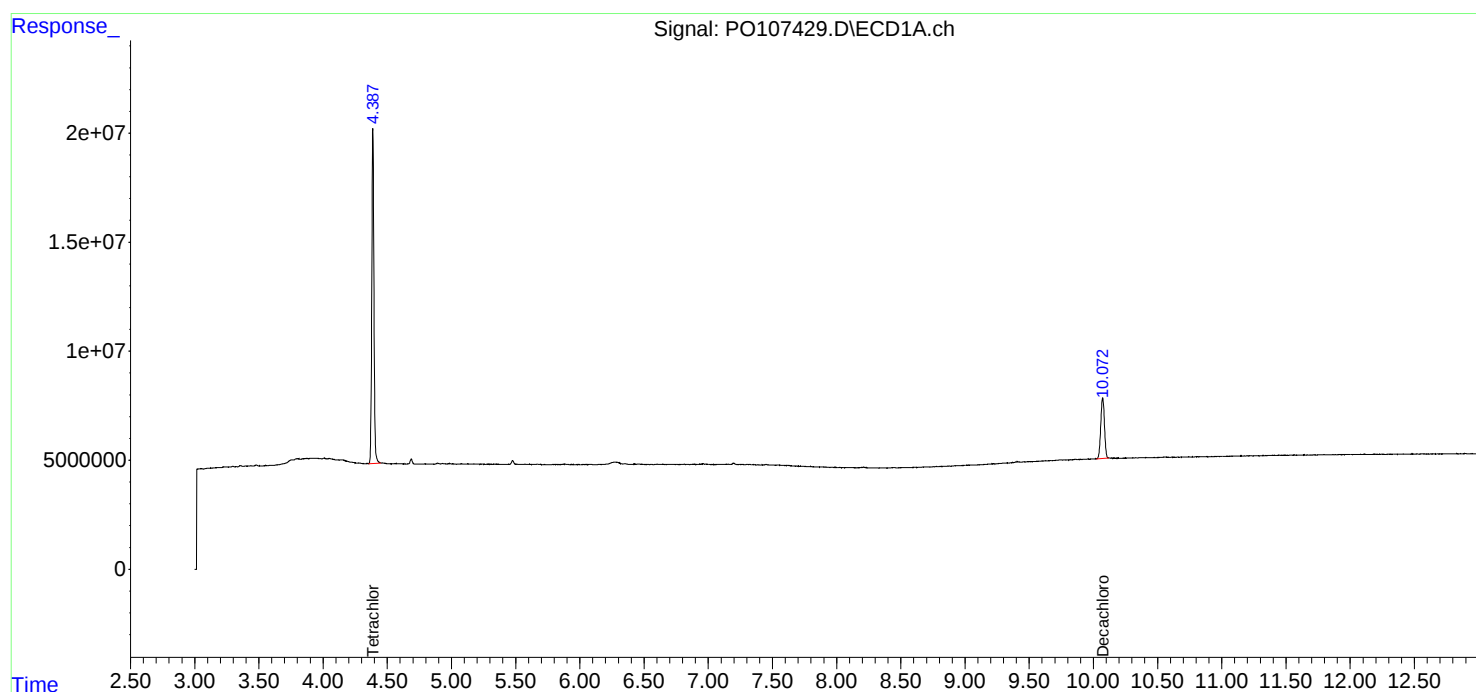
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

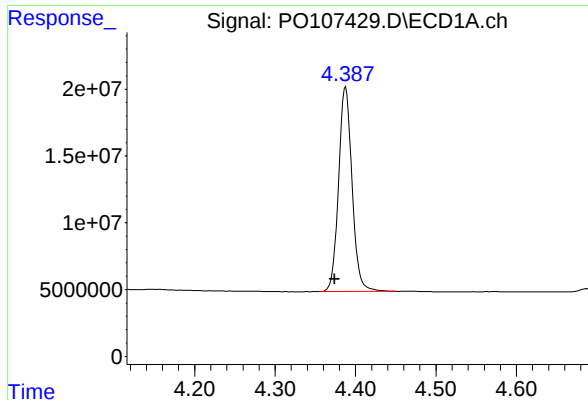
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:46
Operator : YP/AJ
Sample : PB164403BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164403BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 14:17:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

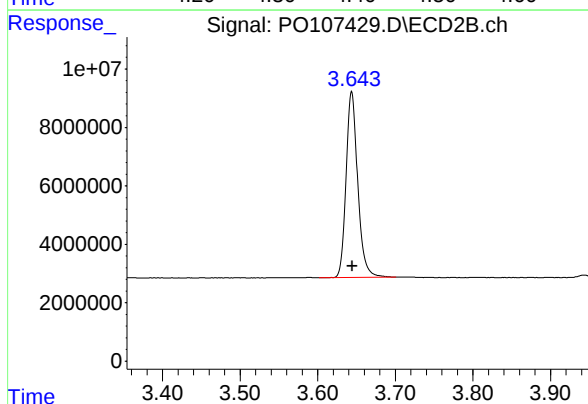




#1 Tetrachloro-m-xylene

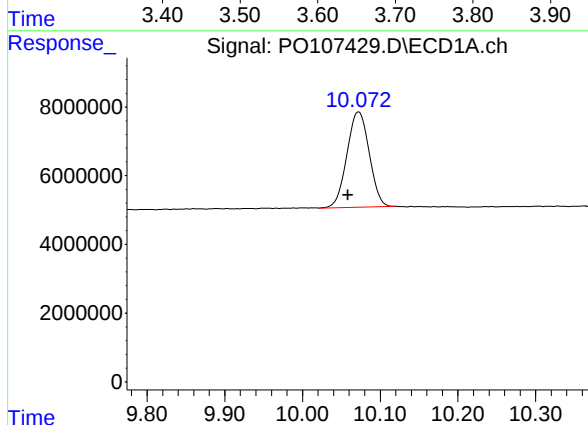
R.T.: 4.388 min
Delta R.T.: 0.014 min
Response: 178539964
Conc: 19.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BL



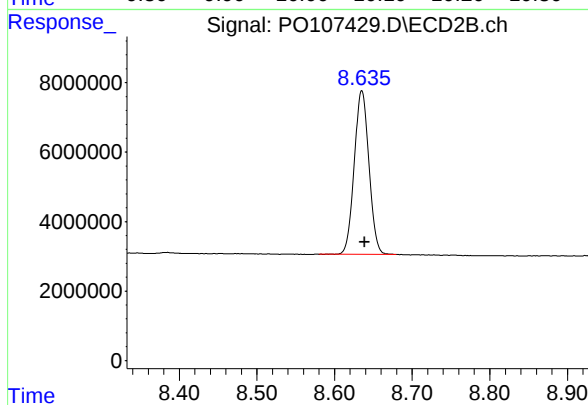
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 66154456
Conc: 20.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.072 min
Delta R.T.: 0.014 min
Response: 55193544
Conc: 22.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.635 min
Delta R.T.: -0.004 min
Response: 61821942
Conc: 22.55 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/15/24
Project:	CTO WE13	Date Received:	10/15/24
Client Sample ID:	PIBLK-PO107183.D	SDG No.:	P4549
Lab Sample ID:	I.BLK-PO107183.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
PO107183.D	1		10/15/24	po101524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.1		60 - 140		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		60 - 140		114%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
 Data File : PO107183.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 18:08
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:56:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	204.9E6	71065652	22.480	22.080
2) SA Decachlor...	10.057	8.638	57445703	62504934	23.415	22.799

Target Compounds

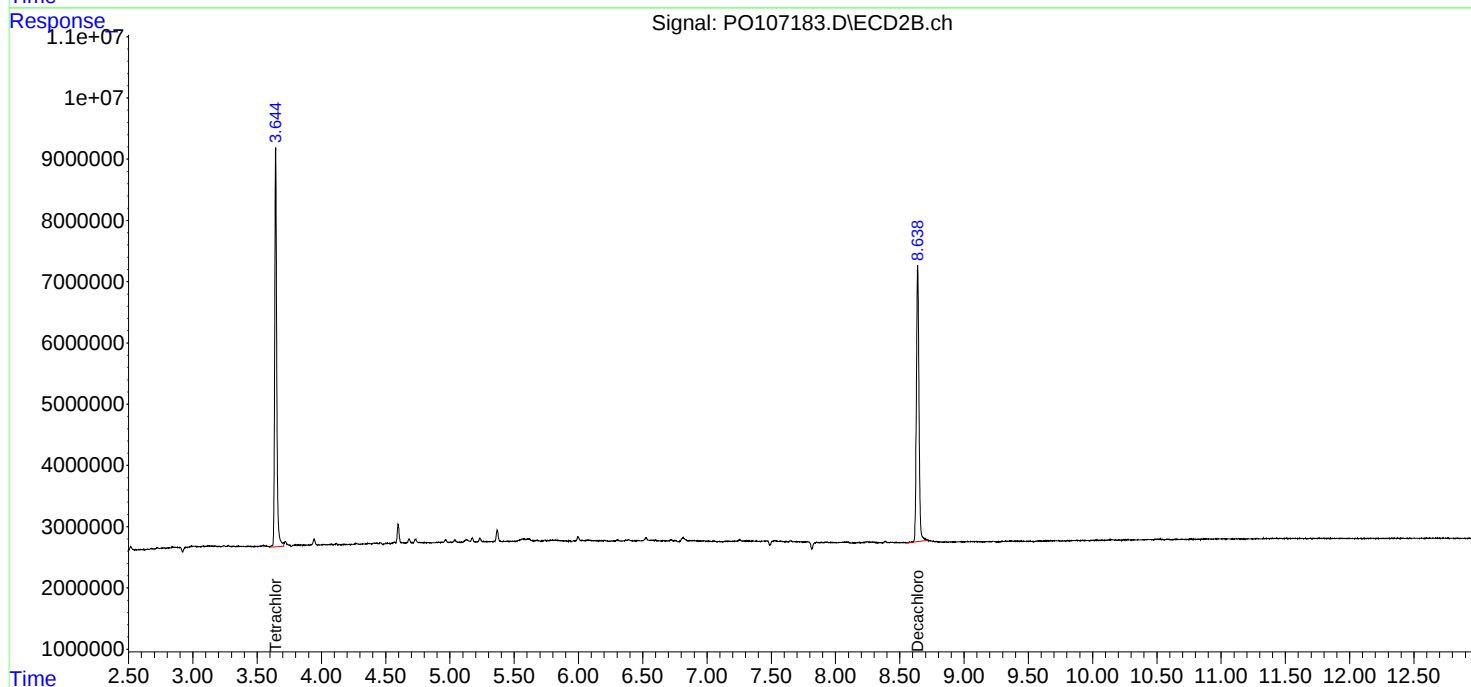
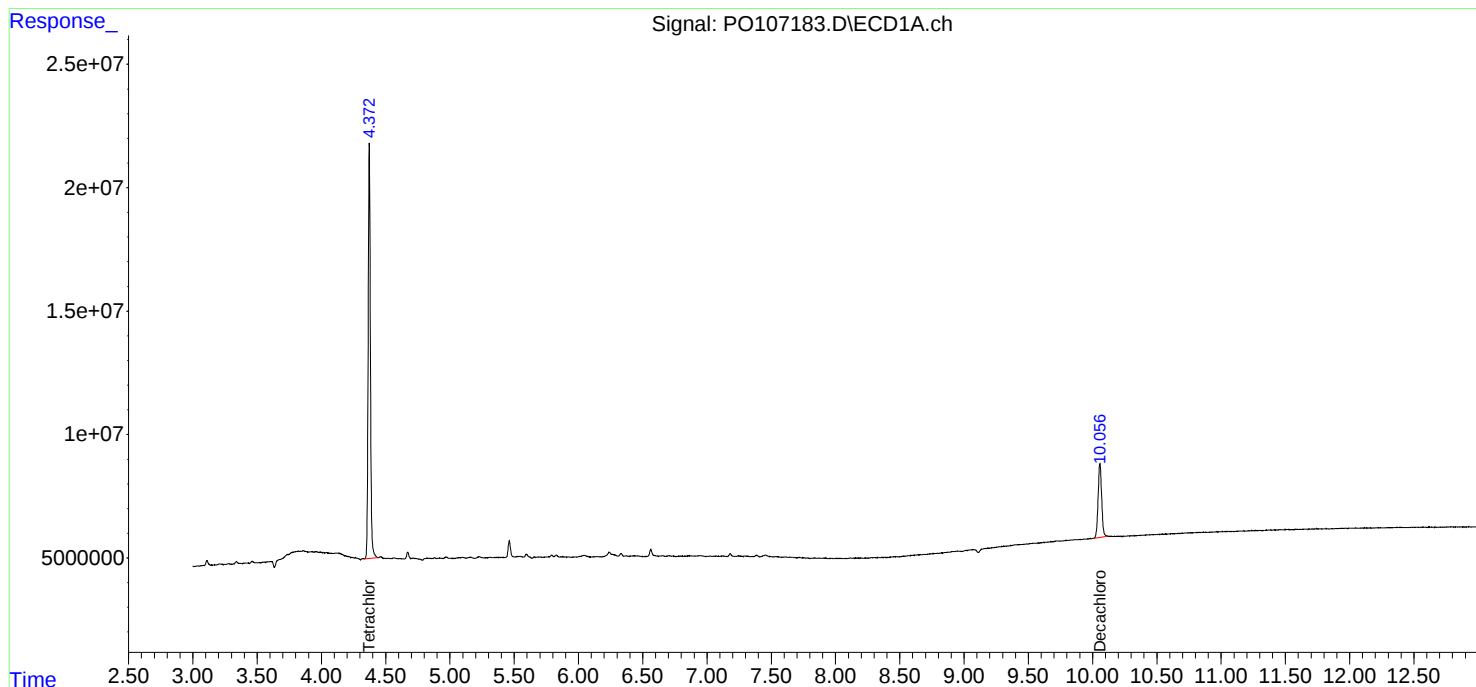
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

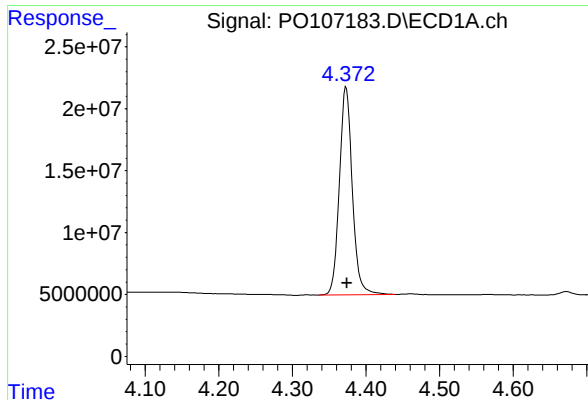
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : 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

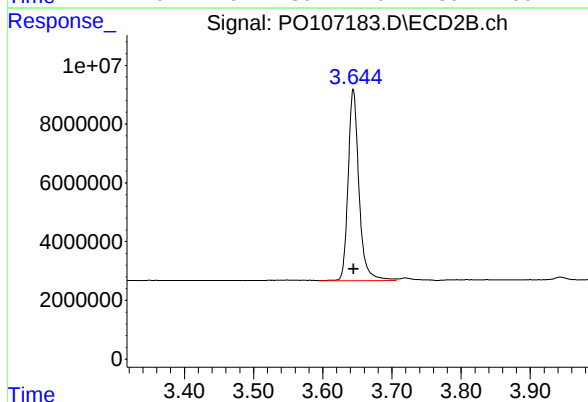




#1 Tetrachloro-m-xylene

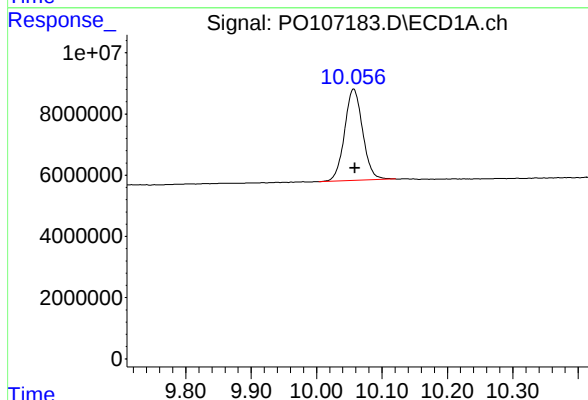
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 204884980
Conc: 22.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



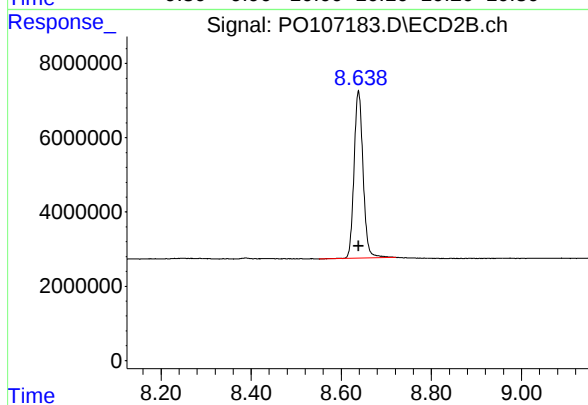
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 71065652
Conc: 22.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.002 min
Response: 57445703
Conc: 23.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 62504934
Conc: 22.80 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/25/24
Client Sample ID:	PIBLK-PO107386.D	SDG No.:	P4549
Lab Sample ID:	I.BLK-PO107386.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
PO107386.D	1		10/25/24	PO102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.0		60 - 140		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		60 - 140		113%	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\PO102524\
 Data File : PO107386.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 17:01
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 26 00:01:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.644	203.3E6	70850348	22.307	22.013
2) SA Decachlor...	10.063	8.637	55406500	62563667	22.584	22.820

Target Compounds

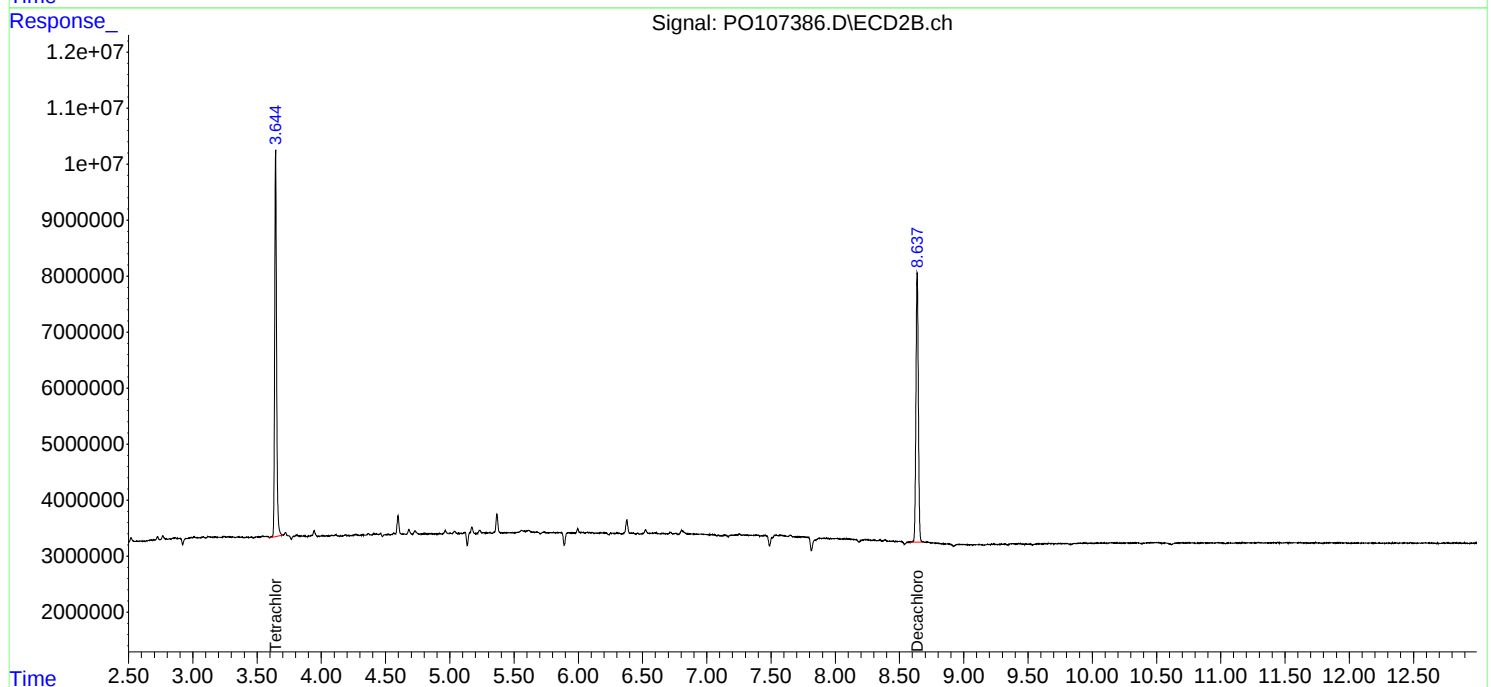
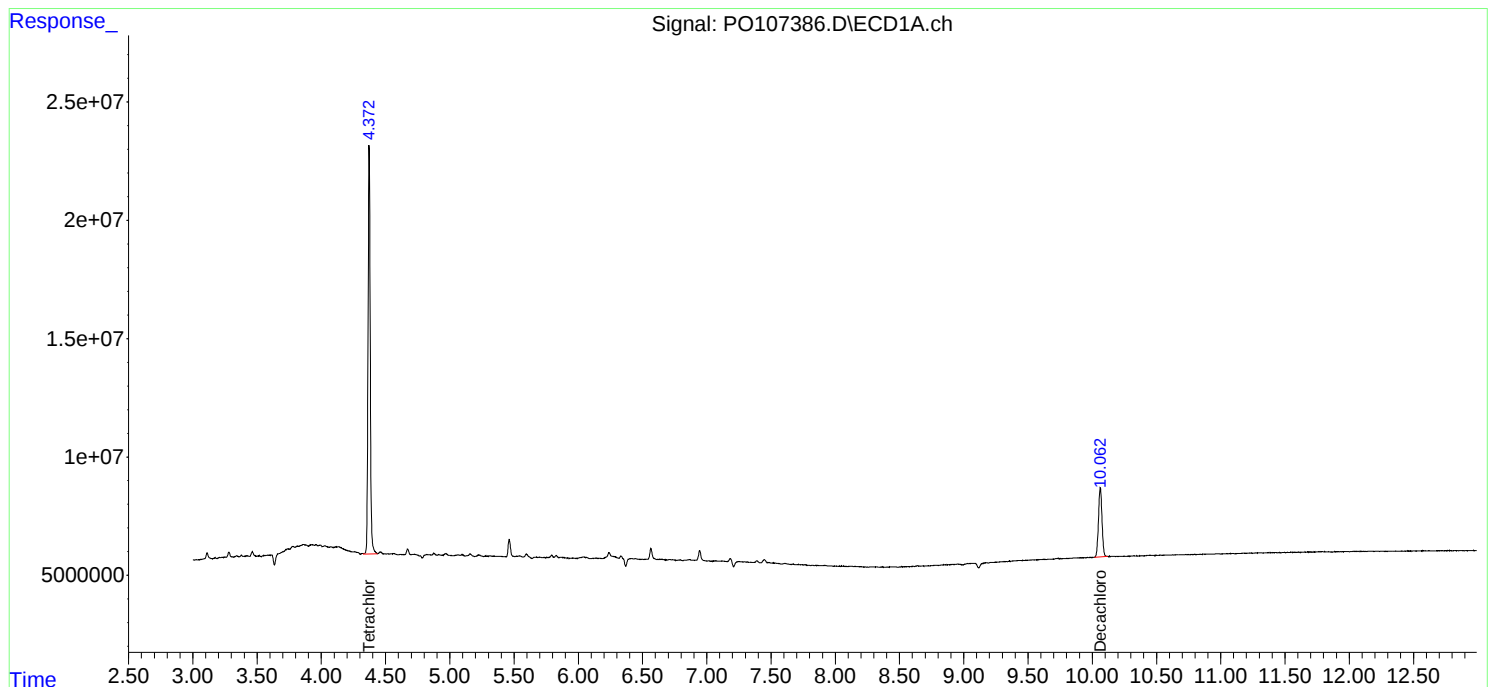
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

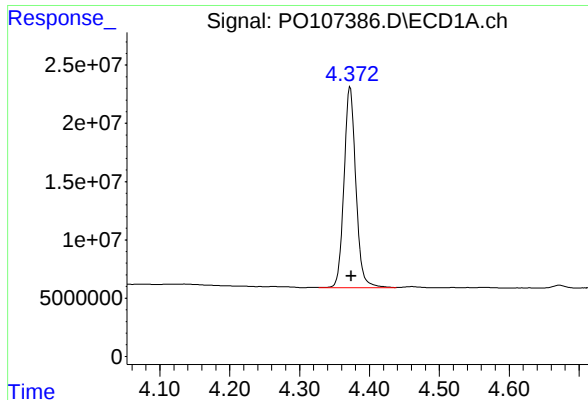
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 17:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 00:01:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : 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

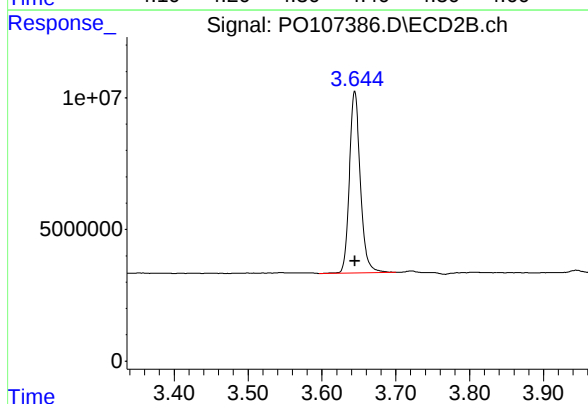




#1 Tetrachloro-m-xylene

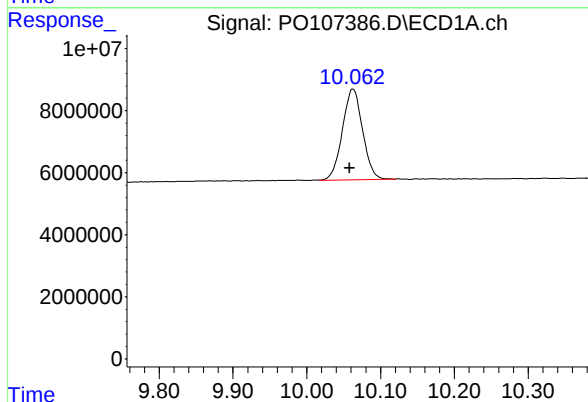
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 203303268
Conc: 22.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



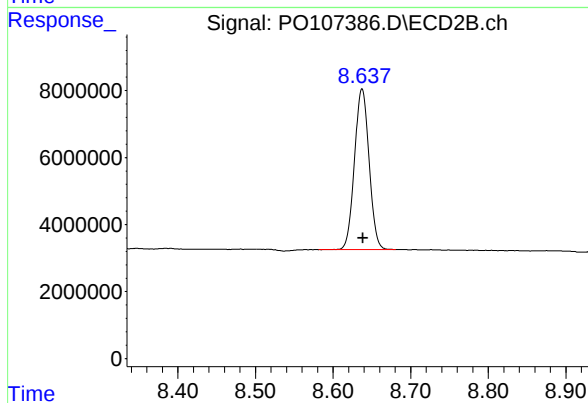
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 70850348
Conc: 22.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.063 min
Delta R.T.: 0.004 min
Response: 55406500
Conc: 22.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.637 min
Delta R.T.: -0.001 min
Response: 62563667
Conc: 22.82 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/25/24
Client Sample ID:	PIBLK-PO107401.D	SDG No.:	P4549
Lab Sample ID:	I.BLK-PO107401.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
PO107401.D	1		10/25/24	PO102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.0		60 - 140		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140		101%	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\PO102524\
 Data File : PO107401.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 22:01
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 26 00:10:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.644	201.6E6	70890080	22.122	22.026
2) SA Decachlor...	10.061	8.638	51938327	55370972	21.170	20.197

Target Compounds

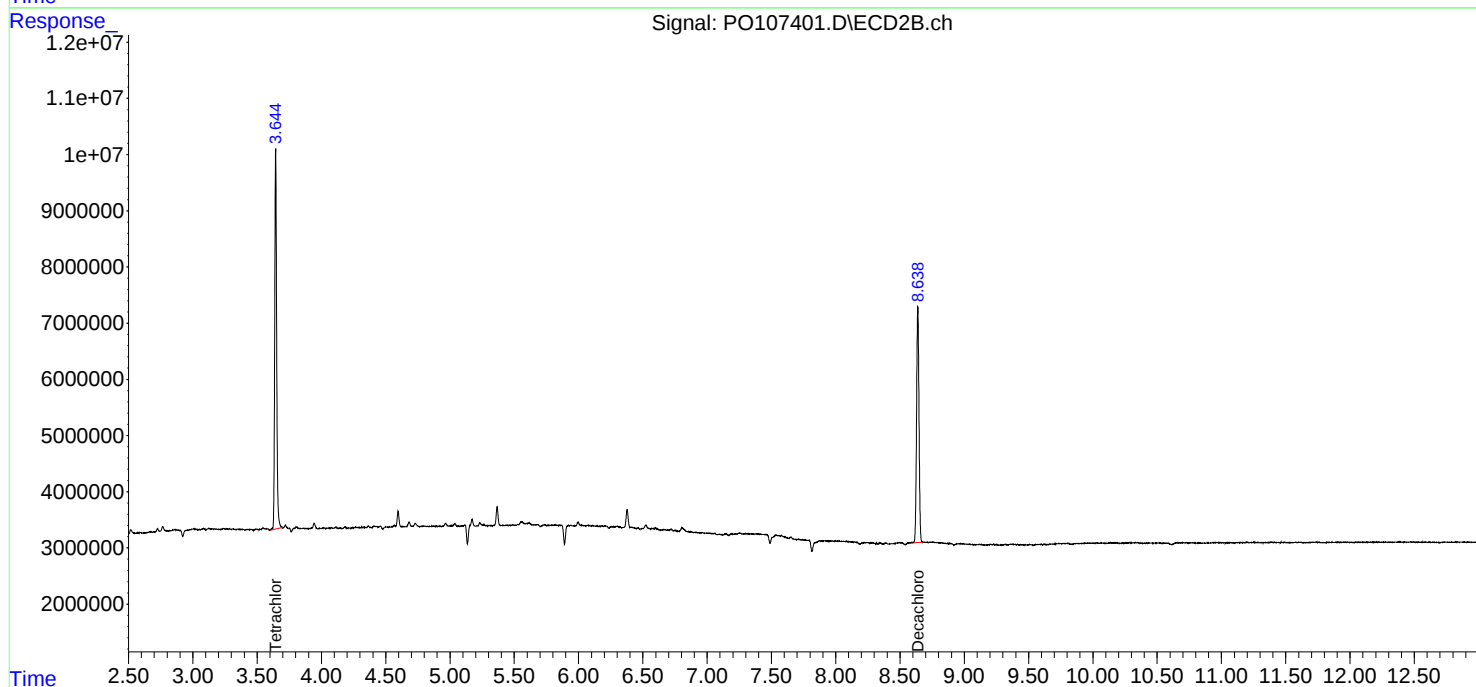
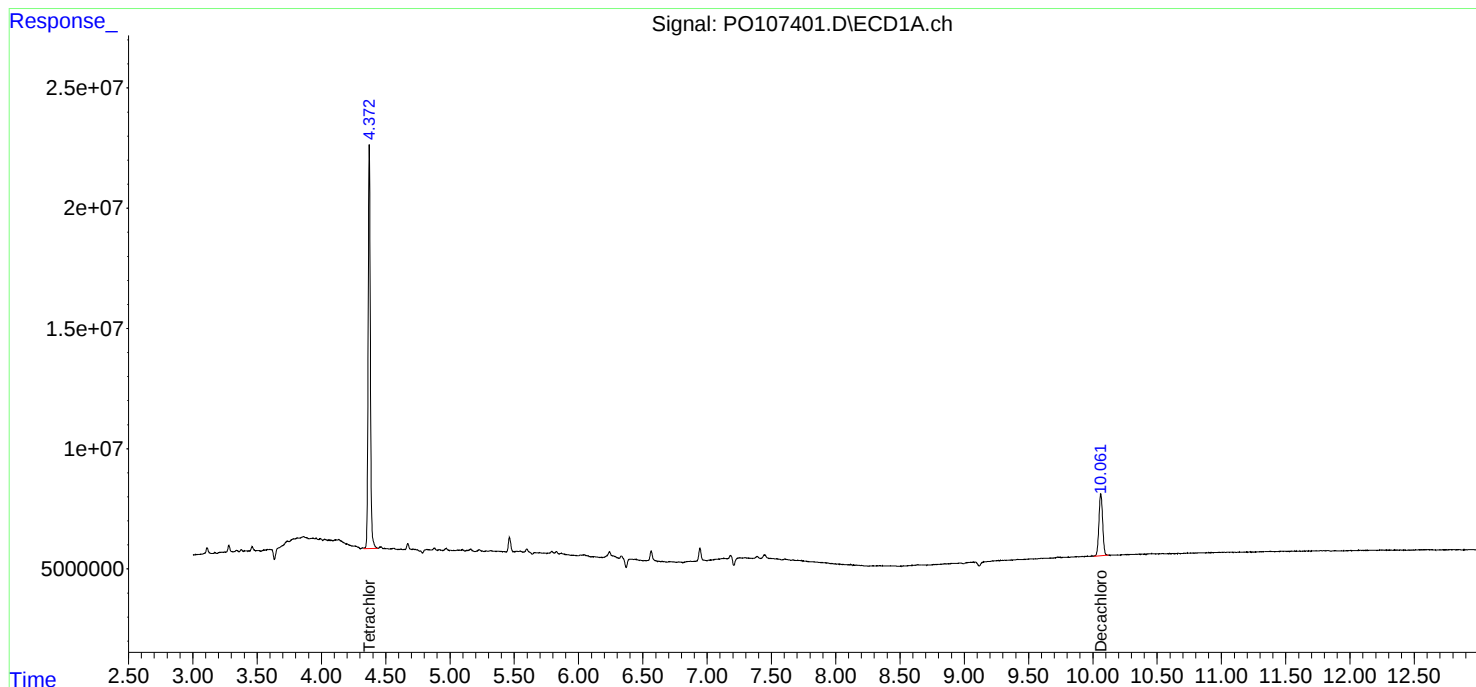
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

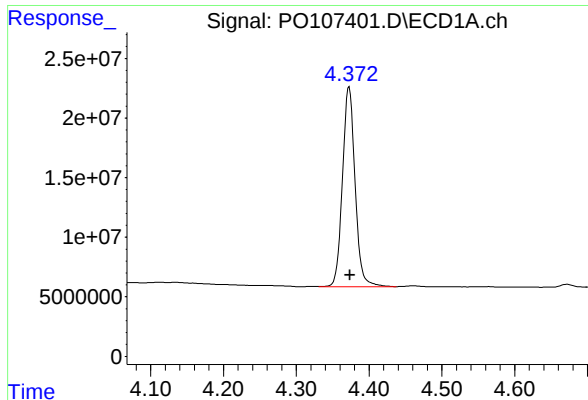
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 22:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 00:10:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

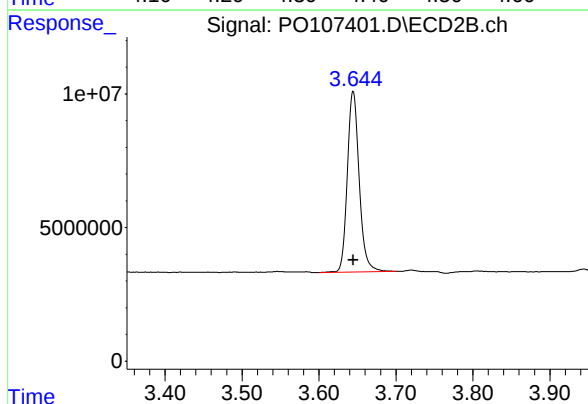




#1 Tetrachloro-m-xylene

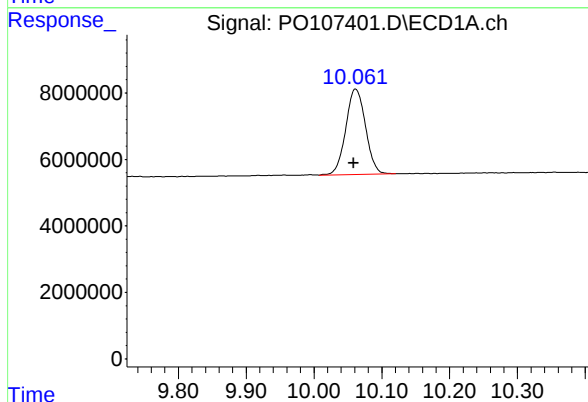
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 201614307
Conc: 22.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



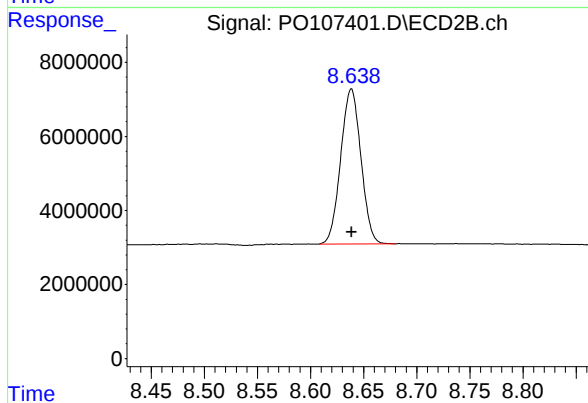
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 70890080
Conc: 22.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.003 min
Response: 51938327
Conc: 21.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 55370972
Conc: 20.20 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/26/24
Project:	CTO WE13	Date Received:	10/26/24
Client Sample ID:	PIBLK-PO107413.D	SDG No.:	P4549
Lab Sample ID:	I.BLK-PO107413.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
PO107413.D	1		10/26/24	PO102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.6		60 - 140		108%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140		102%	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\PO102524\
 Data File : PO107413.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Oct 2024 02:06
 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: Oct 26 02:17:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.643	197.3E6	70906466	21.648	22.031
2) SA Decachlor...	10.061	8.639	52442608	55860096	21.376	20.375

Target Compounds

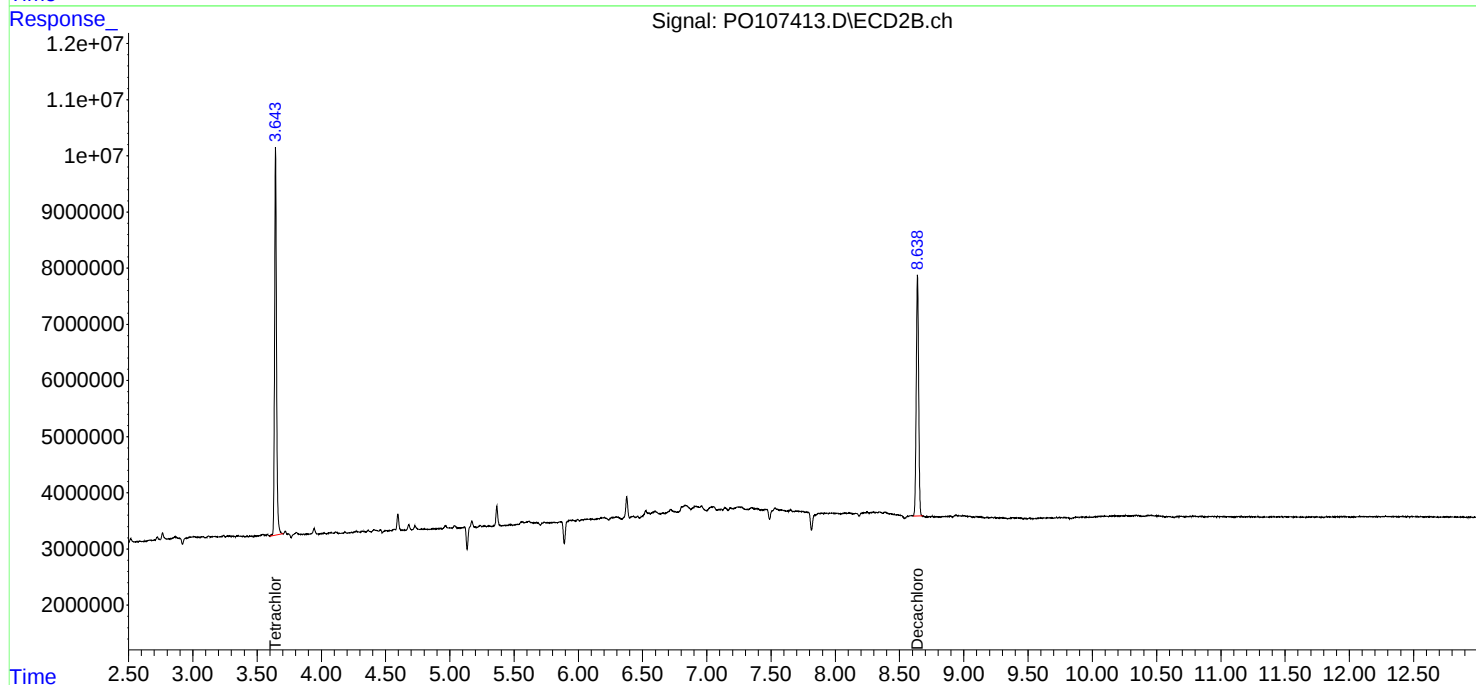
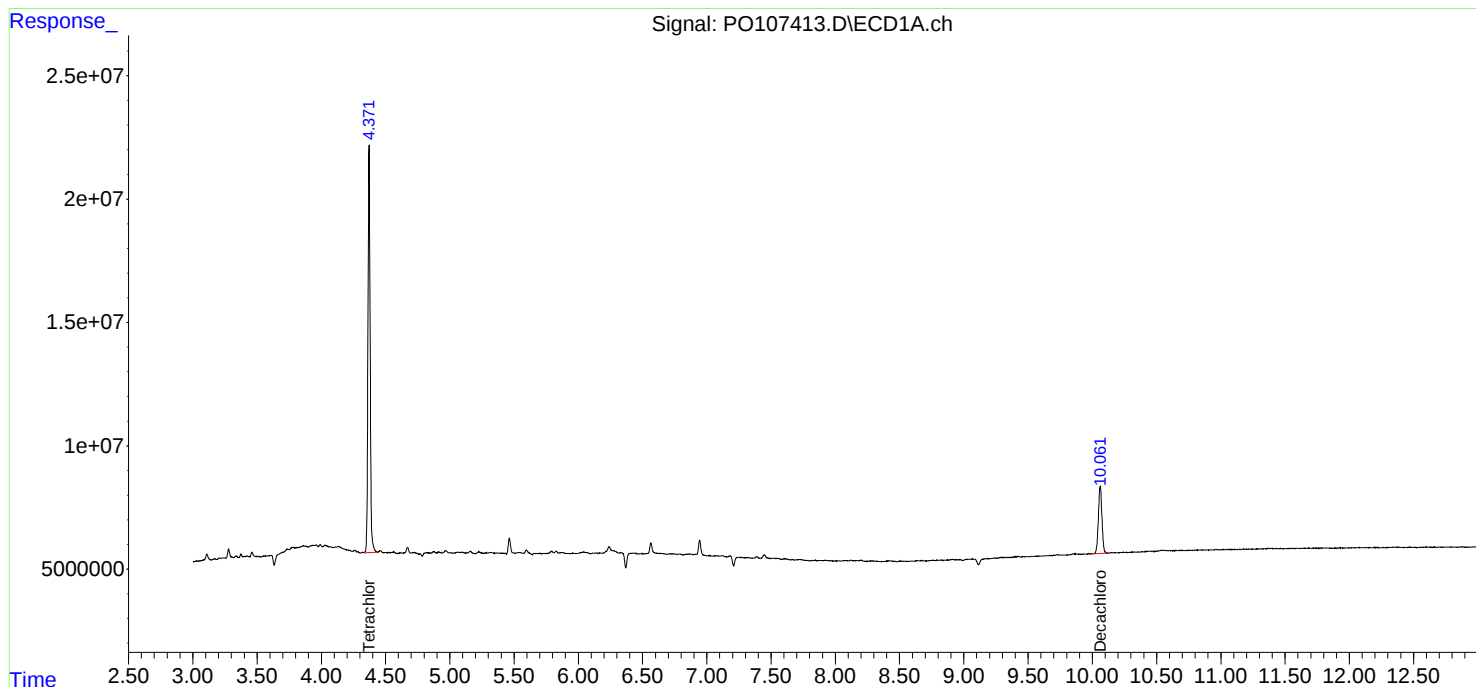
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

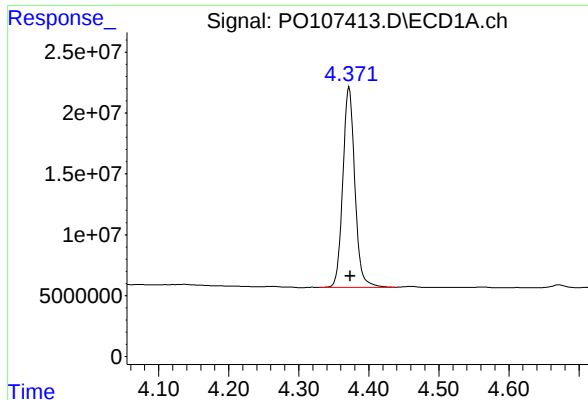
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Oct 2024 02:06
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 02:17:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

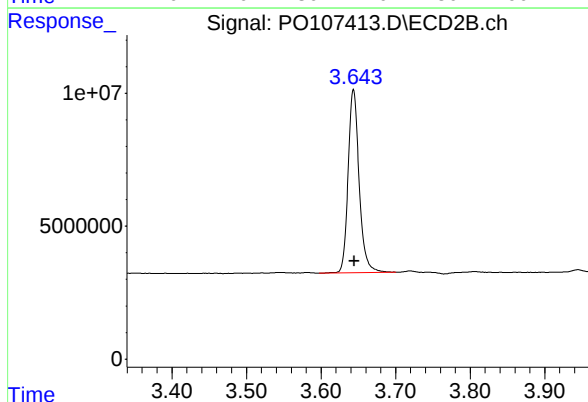




#1 Tetrachloro-m-xylene

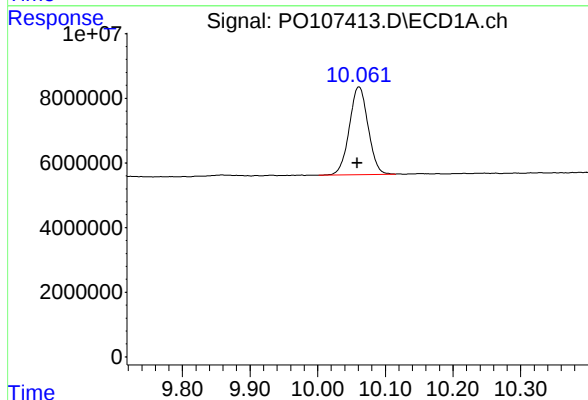
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 197301264
Conc: 21.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



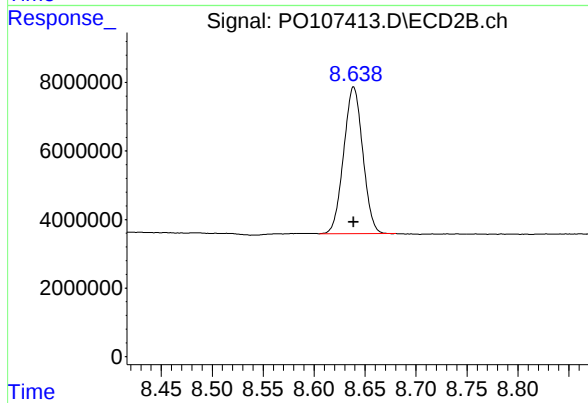
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 70906466
Conc: 22.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.003 min
Response: 52442608
Conc: 21.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 55860096
Conc: 20.38 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	PIBLK-PO107424.D	SDG No.:	P4549
Lab Sample ID:	I.BLK-PO107424.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
PO107424.D	1		10/28/24	PO102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.3		60 - 140		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140		98%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
 Data File : PO107424.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 12:16
 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: Oct 28 12:42:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.644	175.6E6	63194165	19.270	19.635
2) SA Decachlor...	10.054	8.634	49459091	53777513	20.160	19.615

Target Compounds

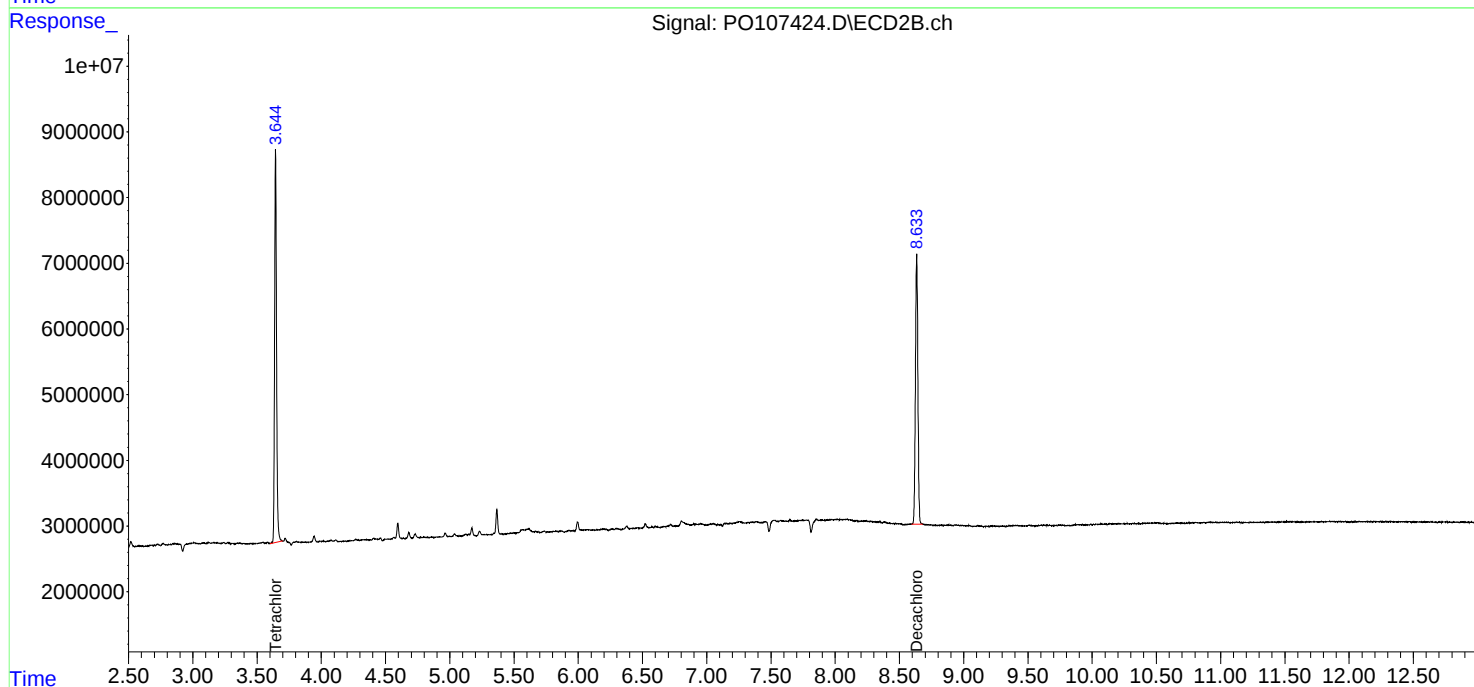
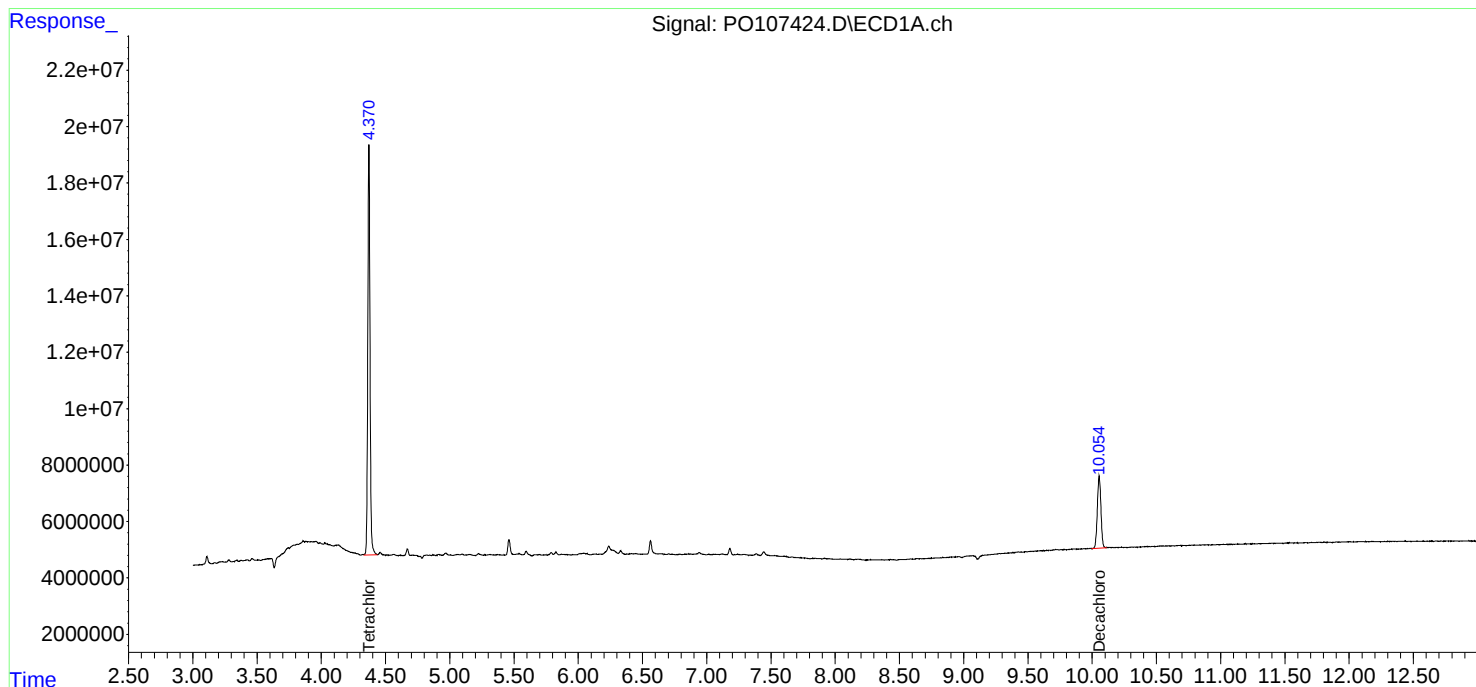
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

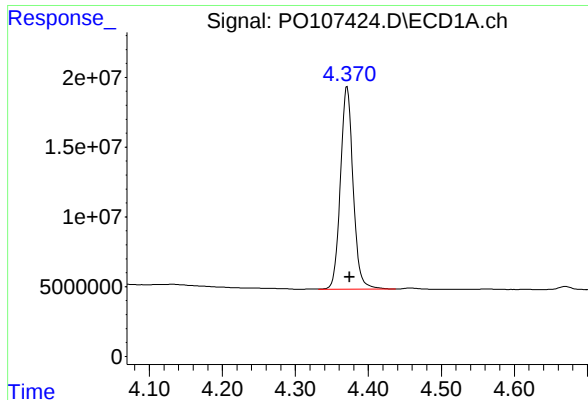
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 12:16
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 12:42:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : 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

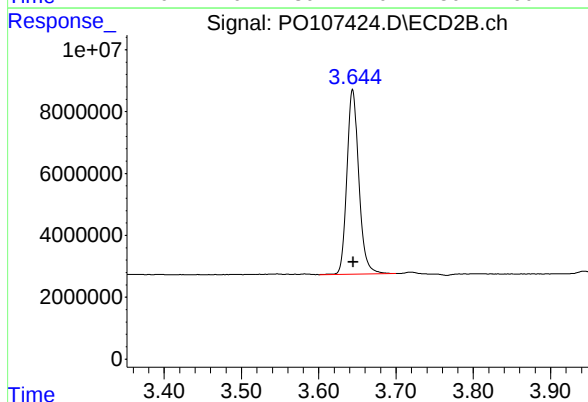




#1 Tetrachloro-m-xylene

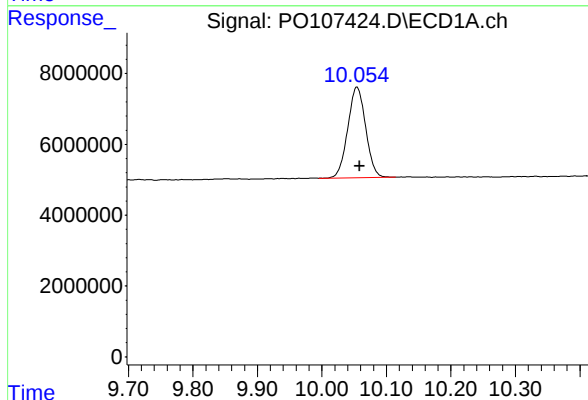
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 175628931
Conc: 19.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



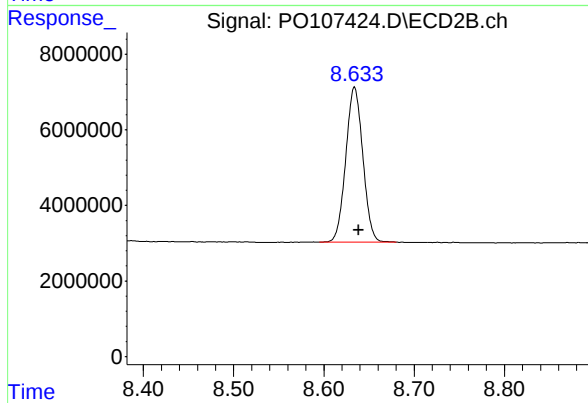
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 63194165
Conc: 19.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.054 min
Delta R.T.: -0.004 min
Response: 49459091
Conc: 20.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 53777513
Conc: 19.62 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	PIBLK-PO107440.D	SDG No.:	P4549
Lab Sample ID:	I.BLK-PO107440.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
PO107440.D	1		10/28/24	po102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.9		60 - 140		100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140		102%	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\PO102824\
 Data File : PO107440.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 17:40
 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: Oct 29 01:44:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.644	181.9E6	65986971	19.955	20.502
2) SA Decachlor...	10.058	8.634	50293257	55916642	20.500	20.396

Target Compounds

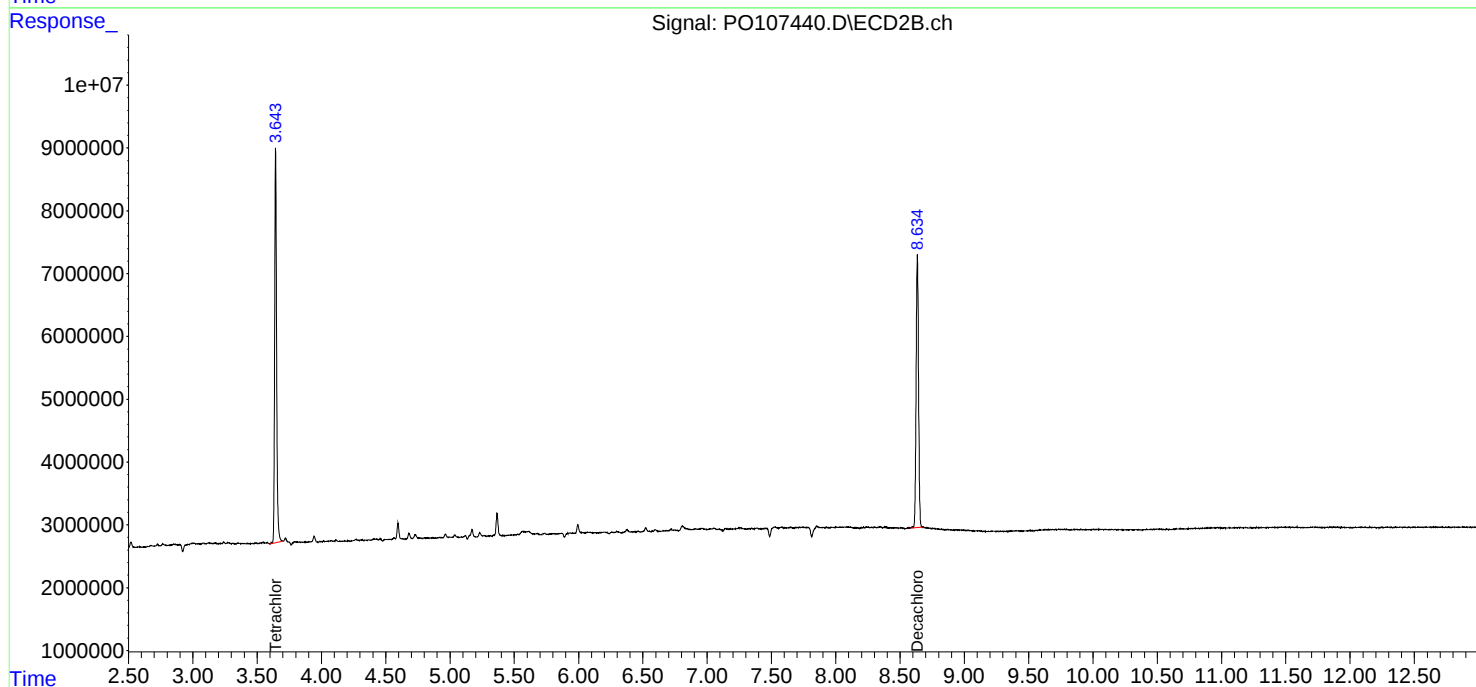
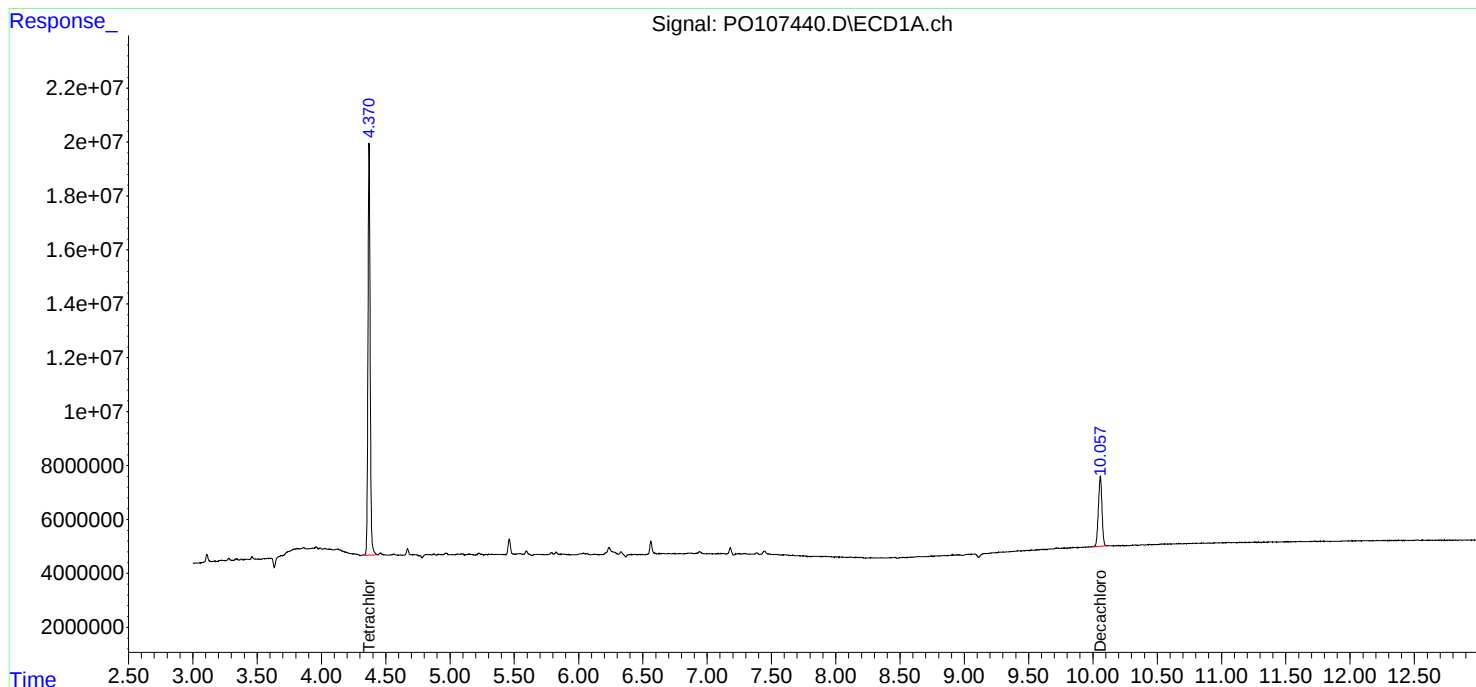
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

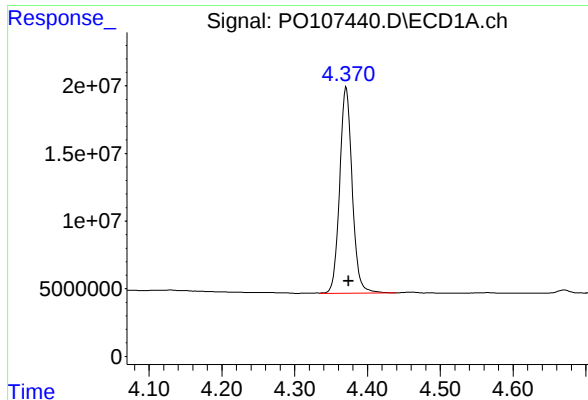
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:40
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:44:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : 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

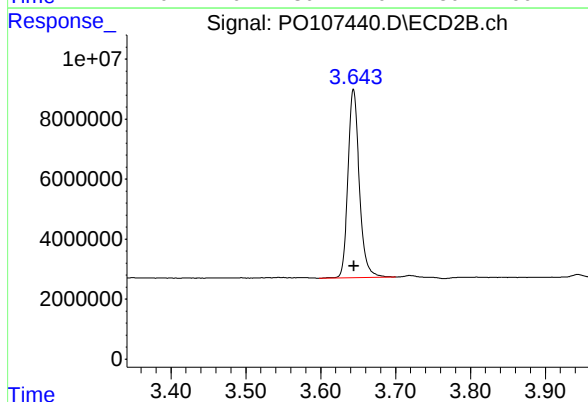




#1 Tetrachloro-m-xylene

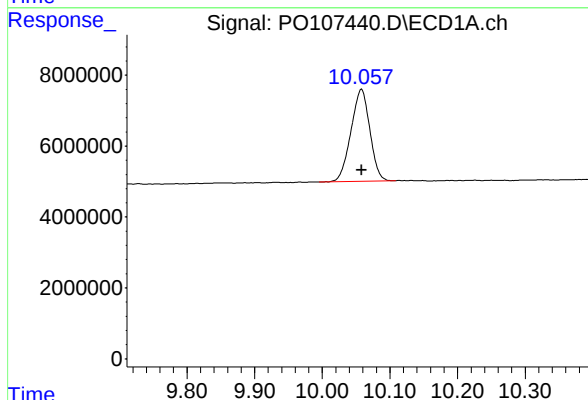
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 181866622
Conc: 19.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



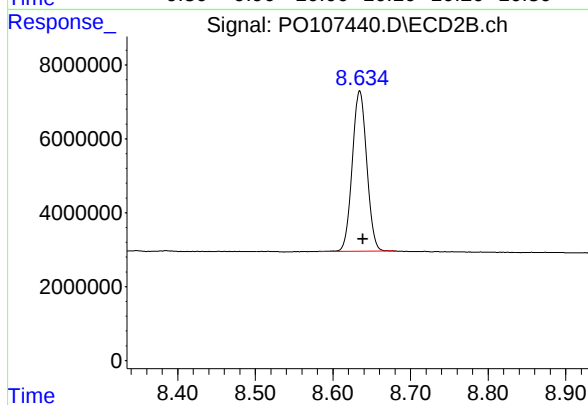
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 65986971
Conc: 20.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 50293257
Conc: 20.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.004 min
Response: 55916642
Conc: 20.40 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB164403BS	SDG No.:	P4549
Lab Sample ID:	PB164403BS	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107395.D	1	10/25/24 09:10	10/25/24 19:44	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.70		0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	4.40		0.15	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.7		35 - 137		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		40 - 135		105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
 Data File : PO107395.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 19:44
 Operator : YP/AJ
 Sample : PB164403BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164403BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 26 00:06:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.645	188.8E6	65819535	20.717	20.450
2) SA Decachlor...	10.061	8.639	51535421	51471048	21.006	18.774
Target Compounds						
3) L1 AR-1016-1	5.521	4.725	118.4E6	51438455	438.842	498.118
4) L1 AR-1016-2	5.544	4.745	169.9E6	70916762	428.182	503.071
5) L1 AR-1016-3	5.606	4.920	103.8E6	37089563	413.218	471.005
6) L1 AR-1016-4	5.703	4.961	83513314	28950235	433.583	437.921
7) L1 AR-1016-5	5.998	5.175	84076719	37640555	460.307	458.283
31) L7 AR-1260-1	7.125	6.206	109.1E6	71341294	421.940	459.808
32) L7 AR-1260-2	7.382	6.393	115.2E6	86535745	437.668	491.358
33) L7 AR-1260-3	7.744	6.546	66289453	77227134	368.797	460.375
34) L7 AR-1260-4	7.968	7.017	69486169	54537691	395.924m	376.952
35) L7 AR-1260-5	8.282	7.257	112.7E6	129.9E6	396.314	394.425

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 19:44
Operator : YP/AJ
Sample : PB164403BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164403BS

Manual Integrations

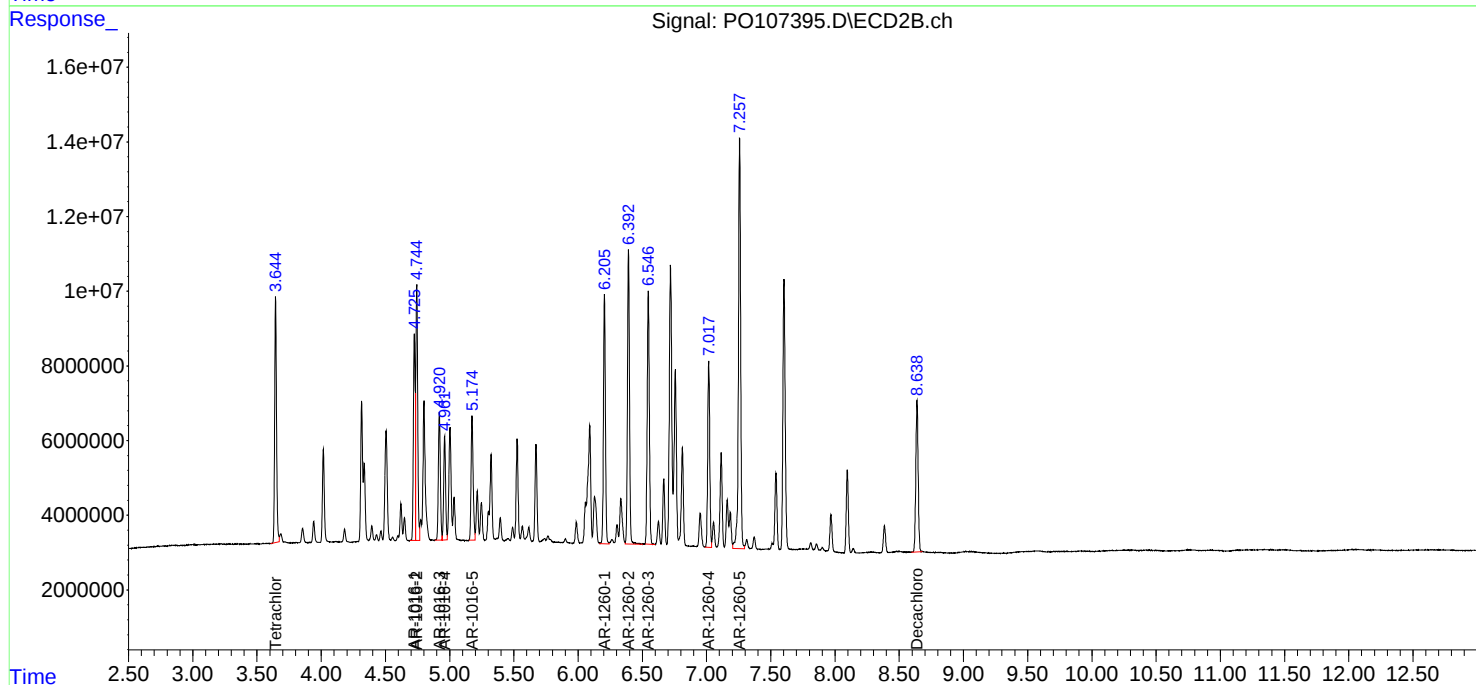
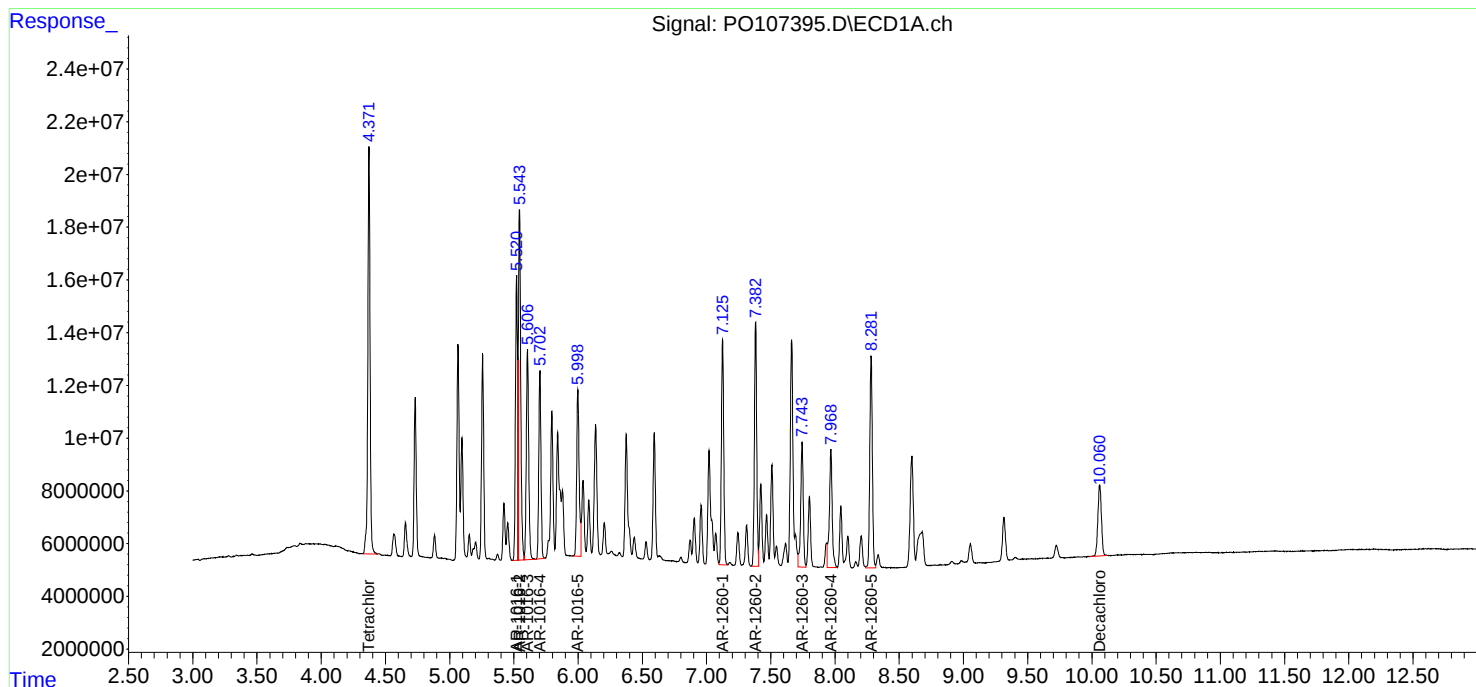
APPROVED

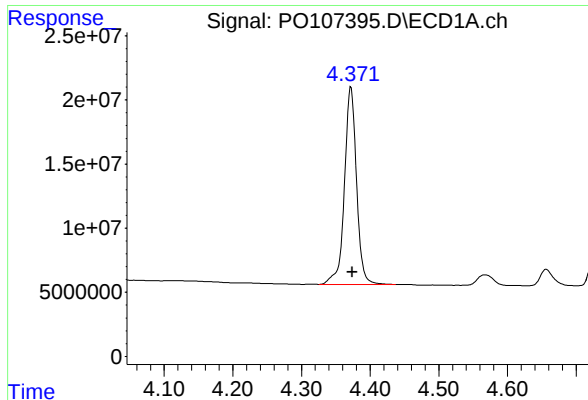
Reviewed By :Yogesh Patel 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 00:06:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : 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





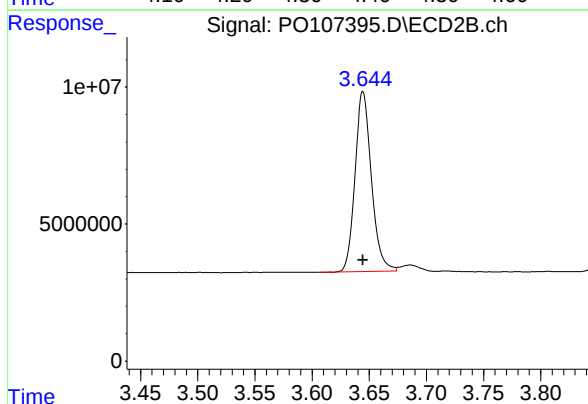
#1 Tetrachloro-m-xylene

R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 188813620
Conc: 20.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BS

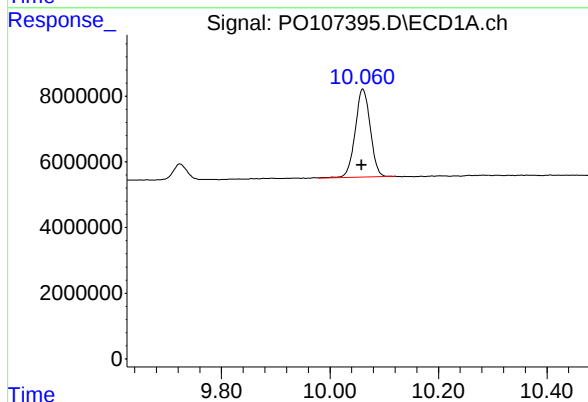
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



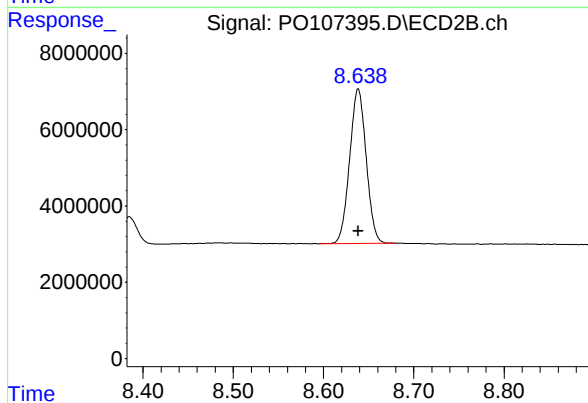
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 65819535
Conc: 20.45 ng/ml



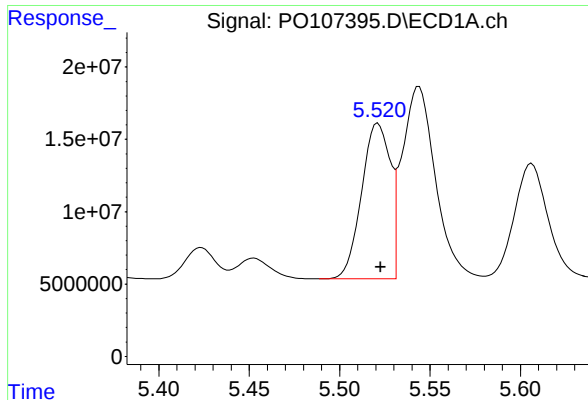
#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.002 min
Response: 51535421
Conc: 21.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 51471048
Conc: 18.77 ng/ml



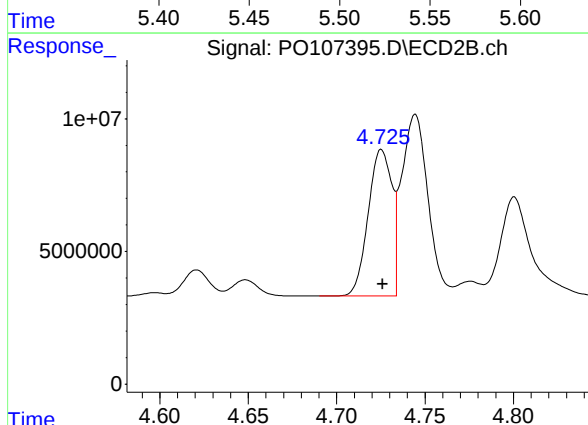
#3 AR-1016-1

R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 118405939
Conc: 438.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BS

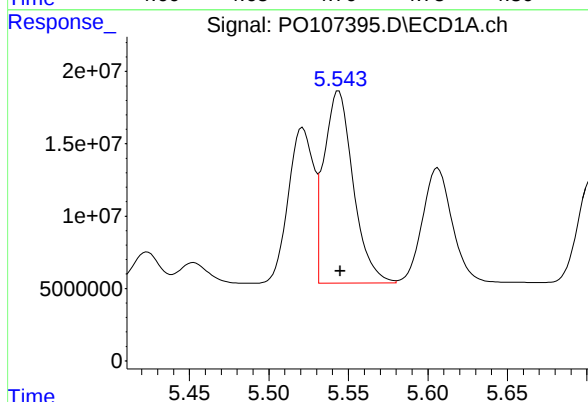
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



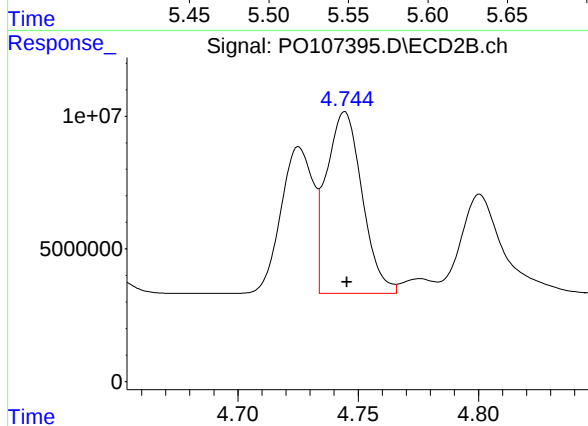
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 51438455
Conc: 498.12 ng/ml



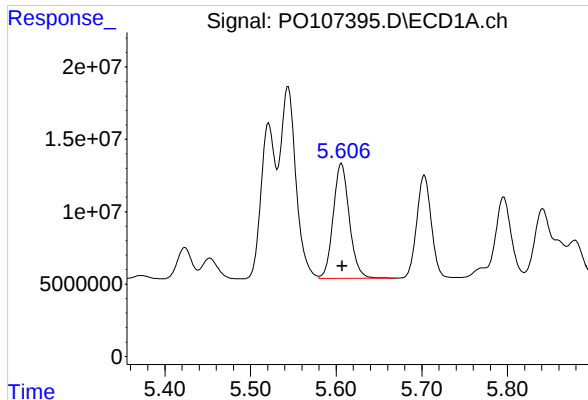
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 169938973
Conc: 428.18 ng/ml



#4 AR-1016-2

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 70916762
Conc: 503.07 ng/ml



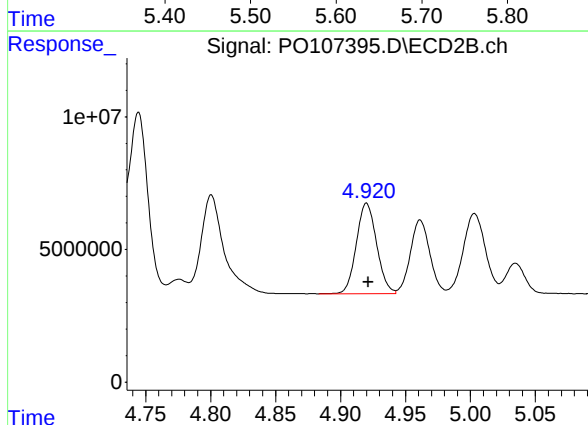
#5 AR-1016-3

R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 103787726
Conc: 413.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BS

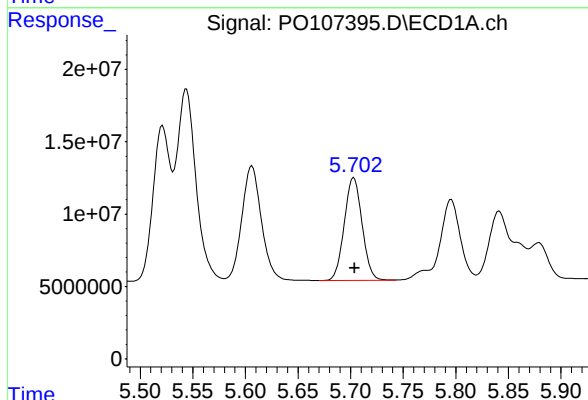
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



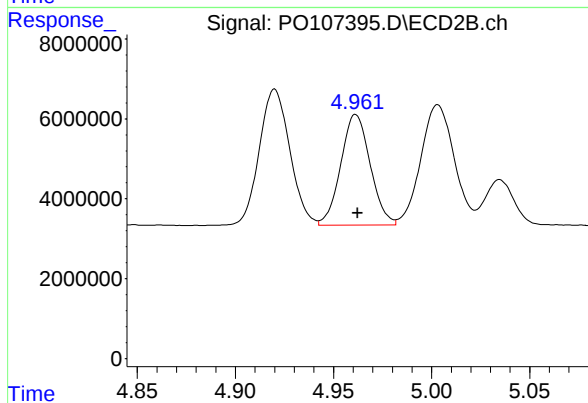
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 37089563
Conc: 471.00 ng/ml



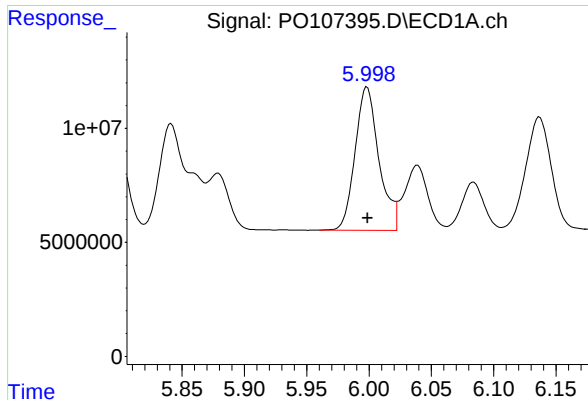
#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 83513314
Conc: 433.58 ng/ml



#6 AR-1016-4

R.T.: 4.961 min
Delta R.T.: 0.000 min
Response: 28950235
Conc: 437.92 ng/ml



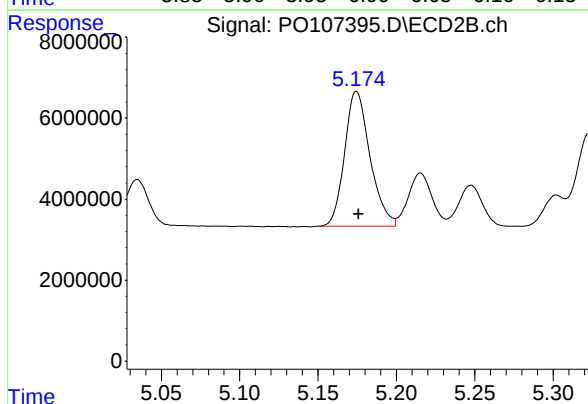
#7 AR-1016-5

R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 84076719
Conc: 460.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BS

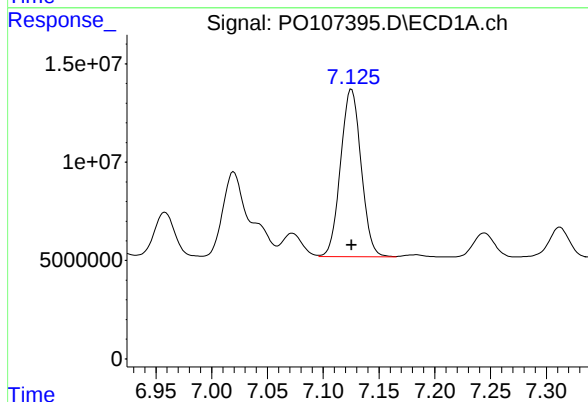
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



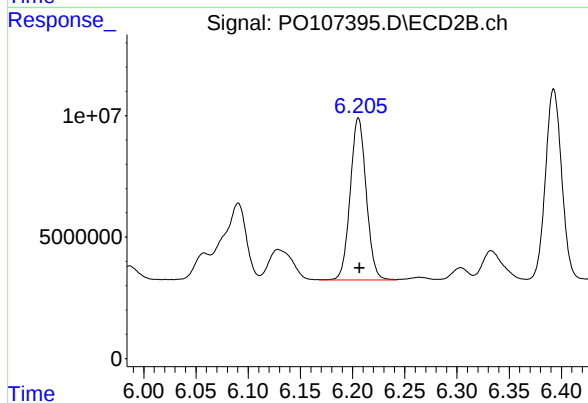
#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 37640555
Conc: 458.28 ng/ml



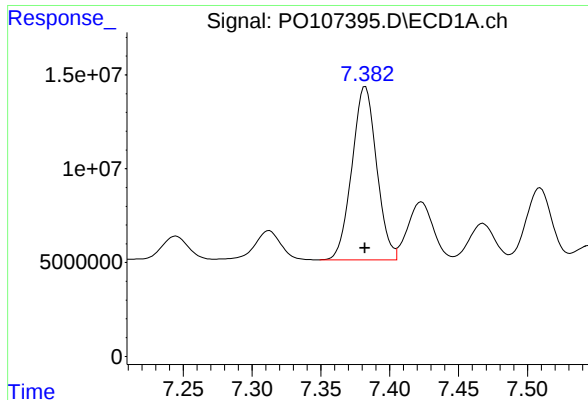
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 109108916
Conc: 421.94 ng/ml



#31 AR-1260-1

R.T.: 6.206 min
Delta R.T.: -0.001 min
Response: 71341294
Conc: 459.81 ng/ml



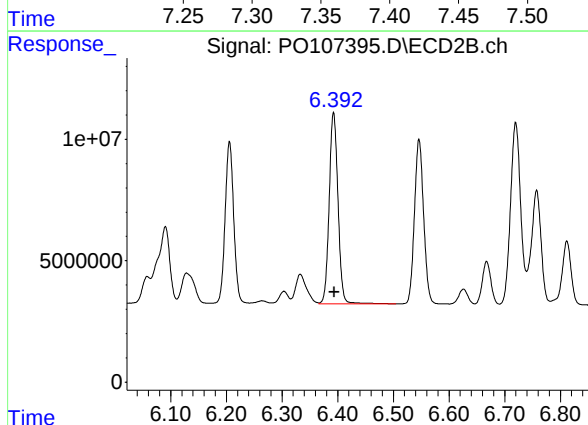
#32 AR-1260-2

R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 115203137
Conc: 437.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BS

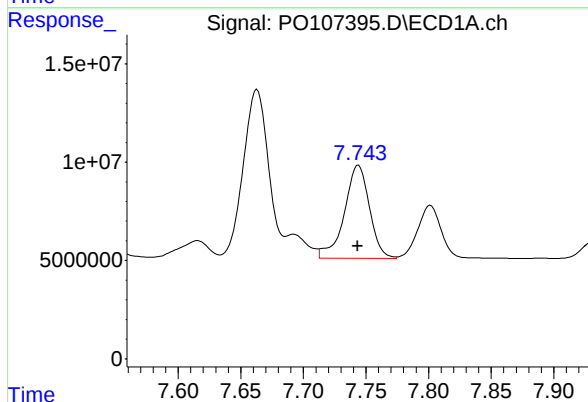
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



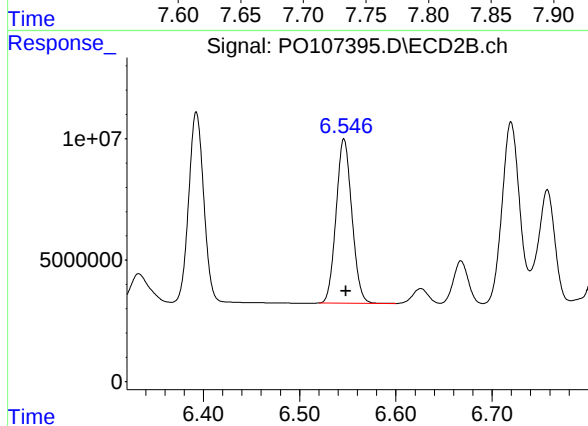
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: -0.001 min
Response: 86535745
Conc: 491.36 ng/ml



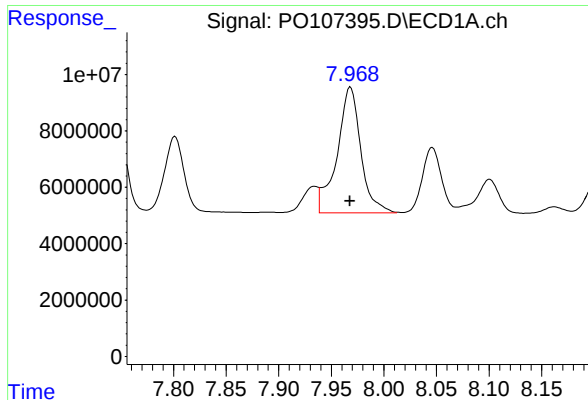
#33 AR-1260-3

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 66289453
Conc: 368.80 ng/ml



#33 AR-1260-3

R.T.: 6.546 min
Delta R.T.: -0.002 min
Response: 77227134
Conc: 460.38 ng/ml



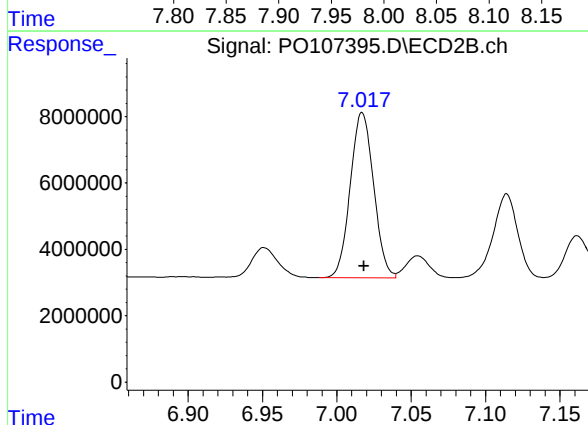
#34 AR-1260-4

R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 69486169
Conc: 395.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BS

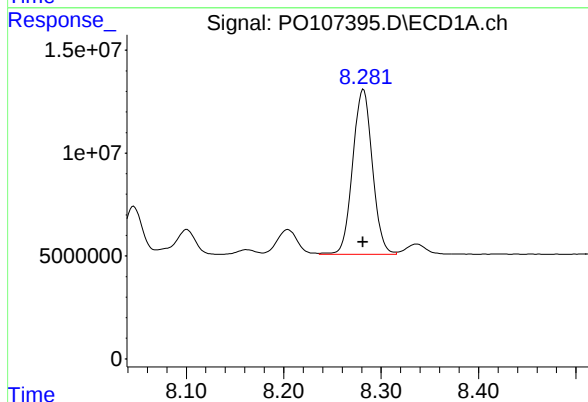
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



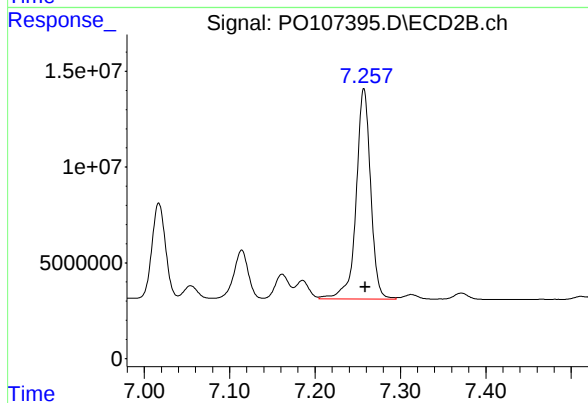
#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: -0.001 min
Response: 54537691
Conc: 376.95 ng/ml



#35 AR-1260-5

R.T.: 8.282 min
Delta R.T.: 0.000 min
Response: 112709120
Conc: 396.31 ng/ml



#35 AR-1260-5

R.T.: 7.257 min
Delta R.T.: -0.002 min
Response: 129939578
Conc: 394.42 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB164403BSD	SDG No.:	P4549
Lab Sample ID:	PB164403BSD	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107396.D	1	10/25/24 09:10	10/25/24 20:02	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.80		0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	4.40		0.15	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.5		35 - 137		108%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		40 - 135		105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
 Data File : PO107396.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2024 20:02
 Operator : YP/AJ
 Sample : PB164403BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164403BSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 26 00:06:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	196.3E6	66078040	21.543	20.531
2) SA Decachlor...	10.062	8.638	51660563	53270706	21.057	19.431
Target Compounds						
3) L1 AR-1016-1	5.522	4.725	120.1E6	52097641	444.998	504.501
4) L1 AR-1016-2	5.545	4.745	170.2E6	71622875	428.768	508.080
5) L1 AR-1016-3	5.606	4.920	105.6E6	37644764	420.414	478.055
6) L1 AR-1016-4	5.704	4.961	84351145	29498388	437.933	446.213
7) L1 AR-1016-5	5.999	5.174	81255114	38364503	444.859	467.097
31) L7 AR-1260-1	7.126	6.206	114.2E6	71580171	441.451	461.347
32) L7 AR-1260-2	7.382	6.393	117.9E6	85984630	447.764	488.228
33) L7 AR-1260-3	7.745	6.546	66926670	80244764	372.342	478.365 #
34) L7 AR-1260-4	7.969	7.017	70676215	55402463	402.705	382.929
35) L7 AR-1260-5	8.283	7.258	113.7E6	135.4E6	399.948	411.019

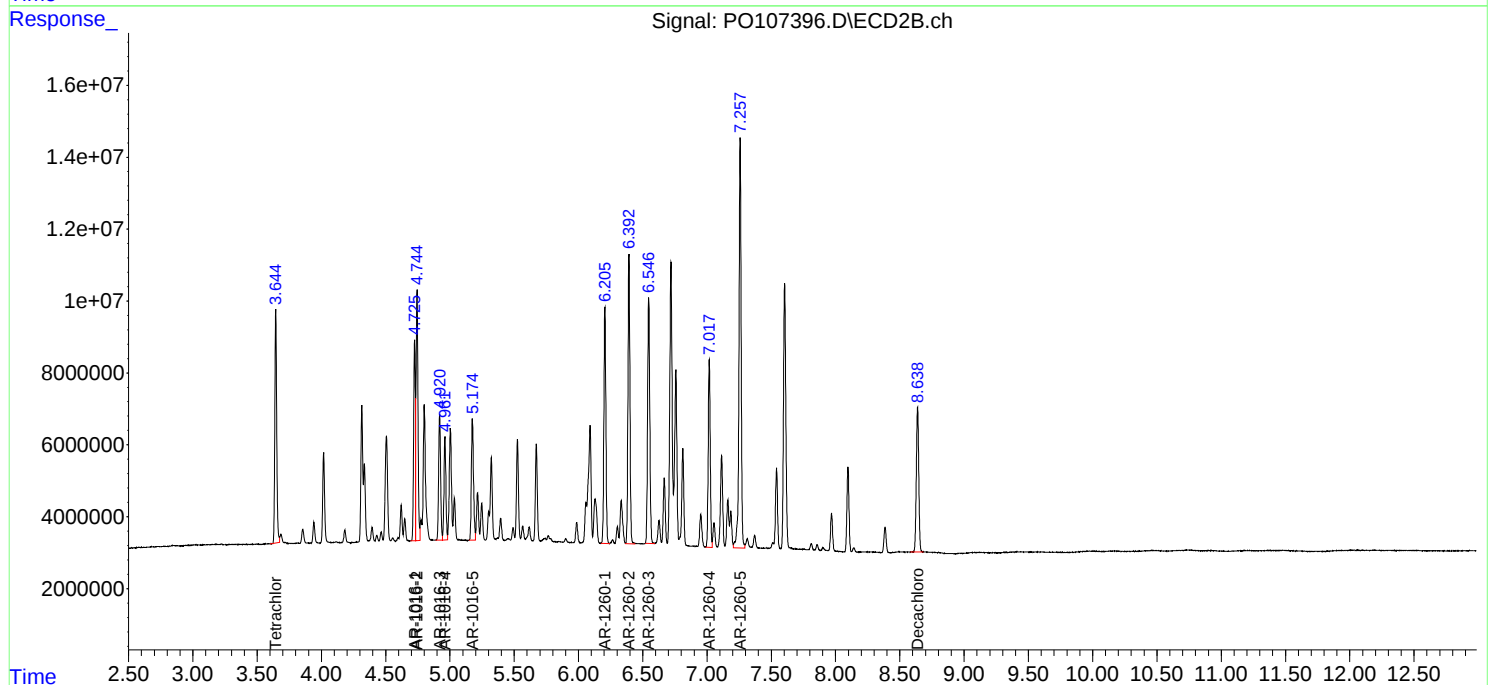
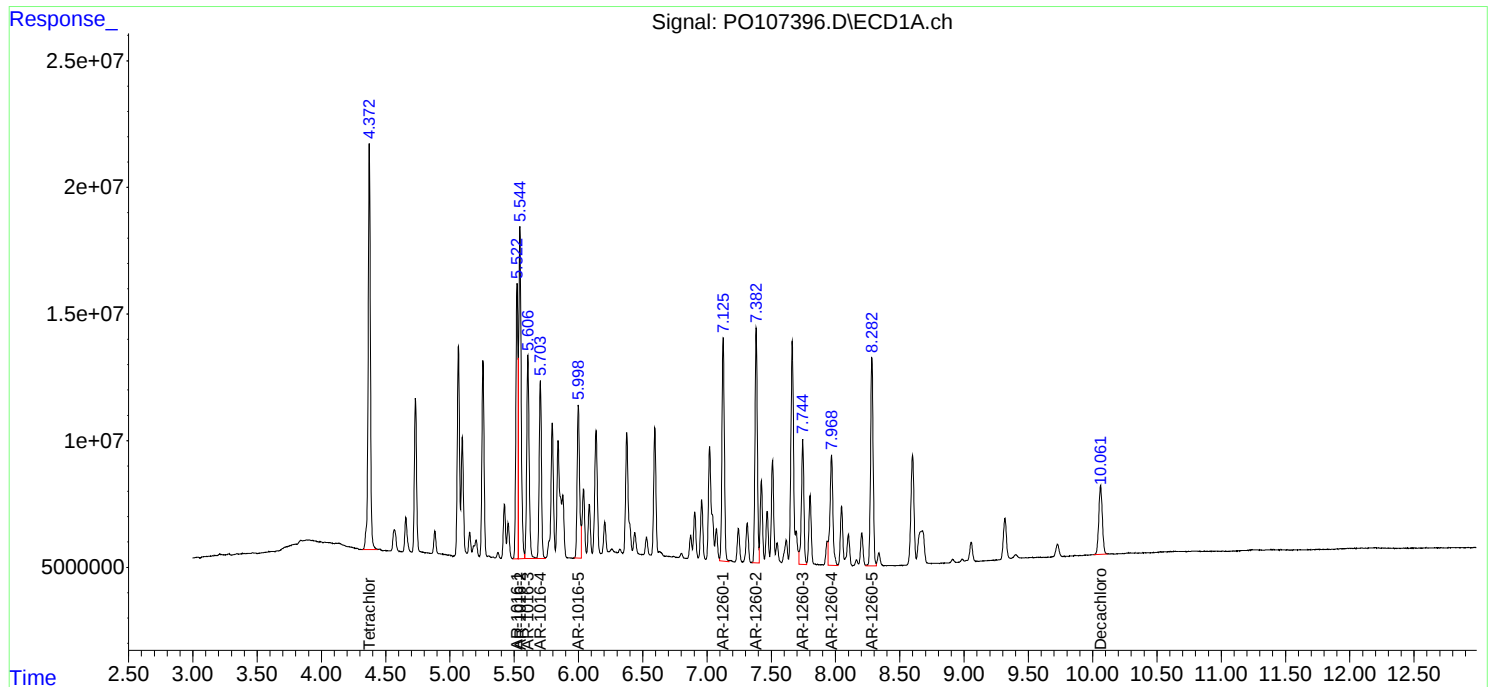
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

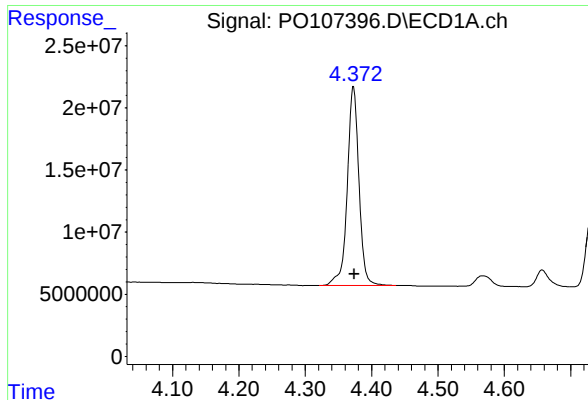
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102524\
Data File : PO107396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 20:02
Operator : YP/AJ
Sample : PB164403BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164403BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 00:06:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : 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

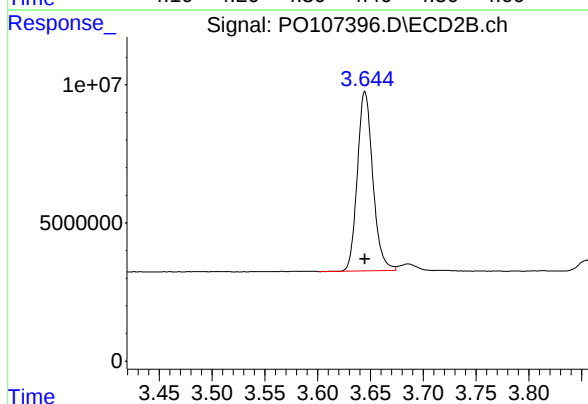




#1 Tetrachloro-m-xylene

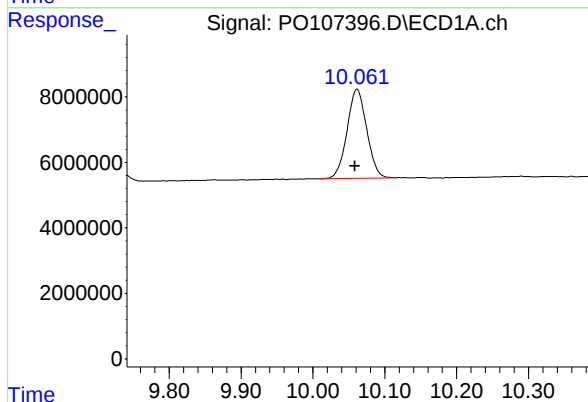
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 196342934
Conc: 21.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BSD



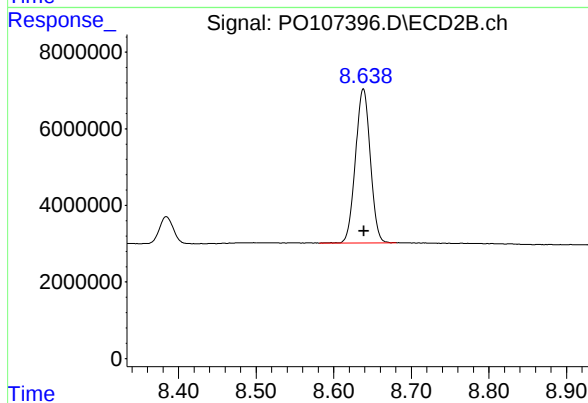
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 66078040
Conc: 20.53 ng/ml



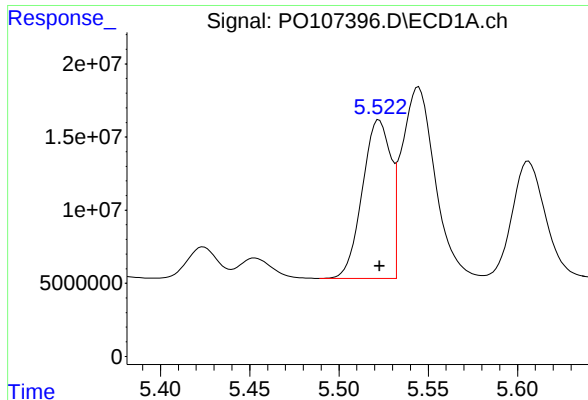
#2 Decachlorobiphenyl

R.T.: 10.062 min
Delta R.T.: 0.003 min
Response: 51660563
Conc: 21.06 ng/ml



#2 Decachlorobiphenyl

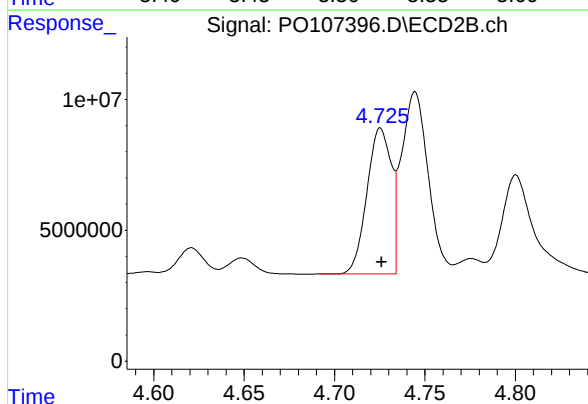
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 53270706
Conc: 19.43 ng/ml



#3 AR-1016-1

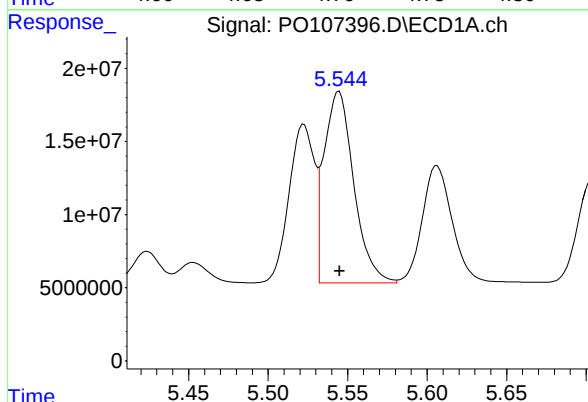
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 120066876
Conc: 445.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BSD



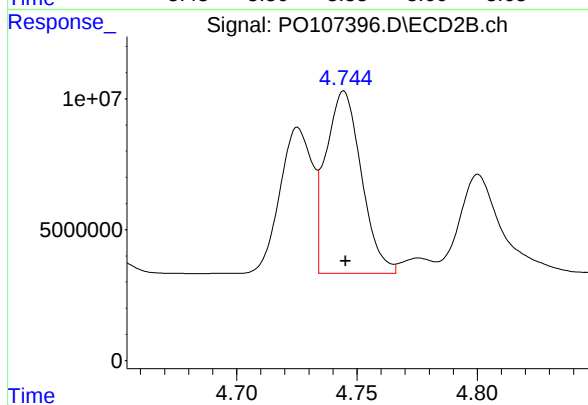
#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 52097641
Conc: 504.50 ng/ml



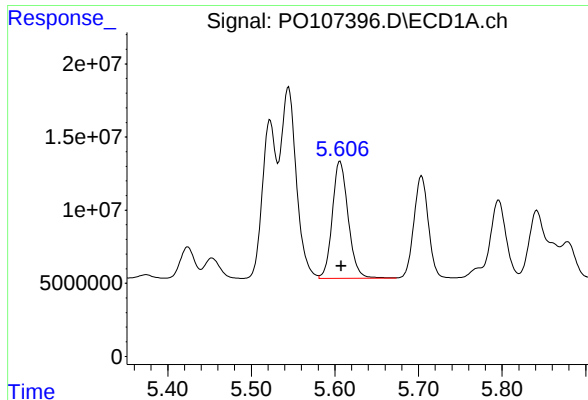
#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 170171541
Conc: 428.77 ng/ml



#4 AR-1016-2

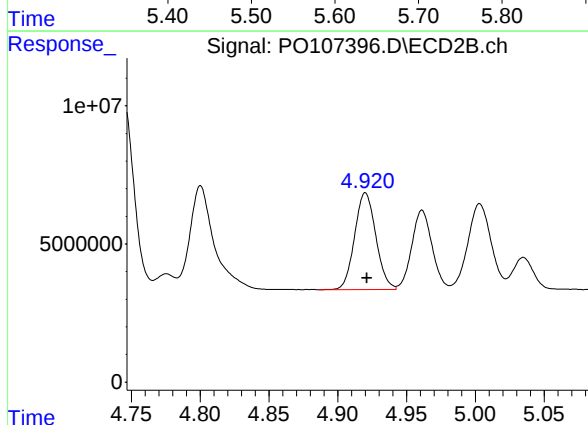
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 71622875
Conc: 508.08 ng/ml



#5 AR-1016-3

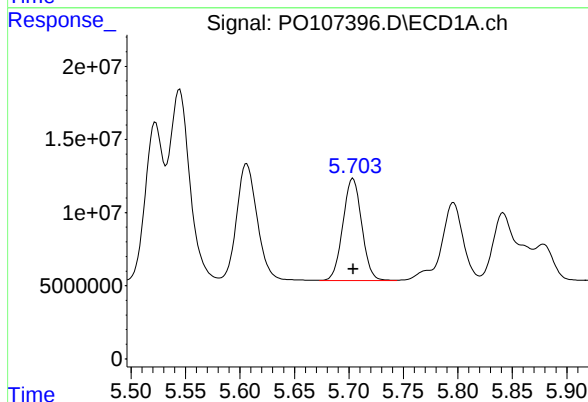
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 105595133
Conc: 420.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BSD



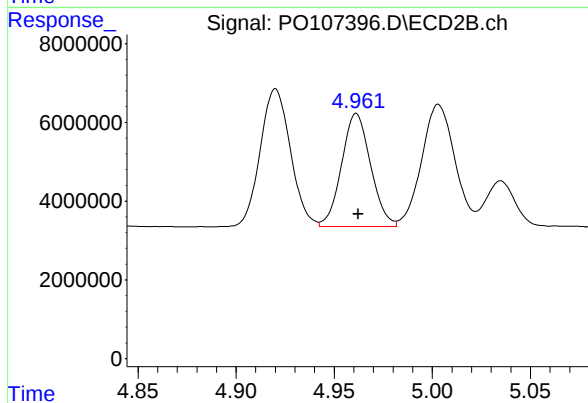
#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 37644764
Conc: 478.06 ng/ml



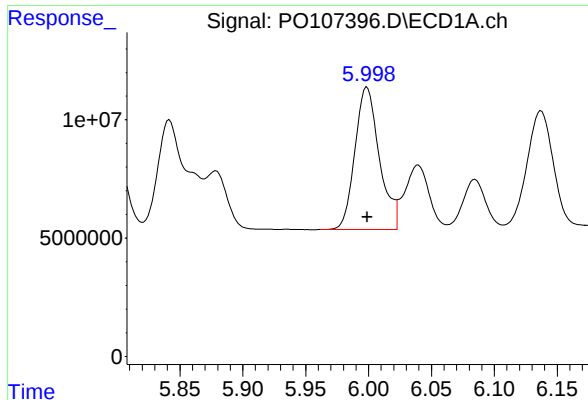
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 84351145
Conc: 437.93 ng/ml



#6 AR-1016-4

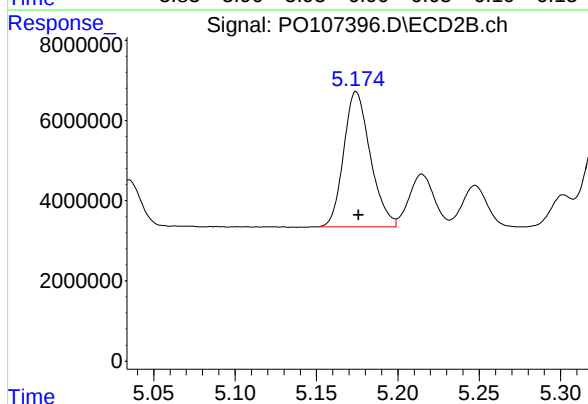
R.T.: 4.961 min
Delta R.T.: 0.000 min
Response: 29498388
Conc: 446.21 ng/ml



#7 AR-1016-5

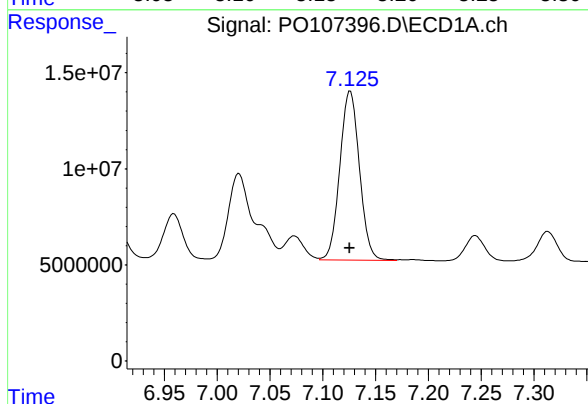
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 81255114
Conc: 444.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BSD



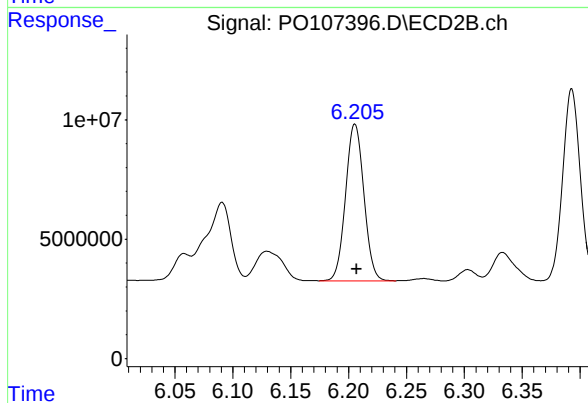
#7 AR-1016-5

R.T.: 5.174 min
Delta R.T.: -0.002 min
Response: 38364503
Conc: 467.10 ng/ml



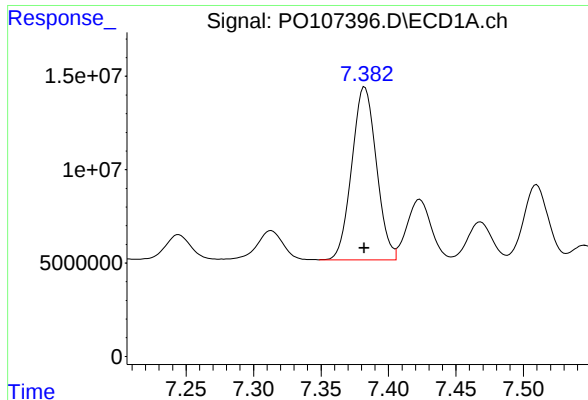
#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 114154221
Conc: 441.45 ng/ml



#31 AR-1260-1

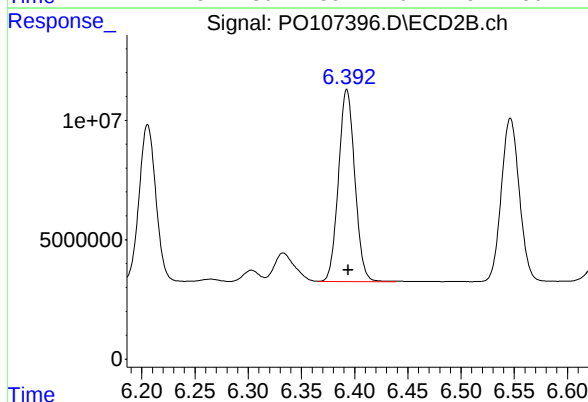
R.T.: 6.206 min
Delta R.T.: -0.001 min
Response: 71580171
Conc: 461.35 ng/ml



#32 AR-1260-2

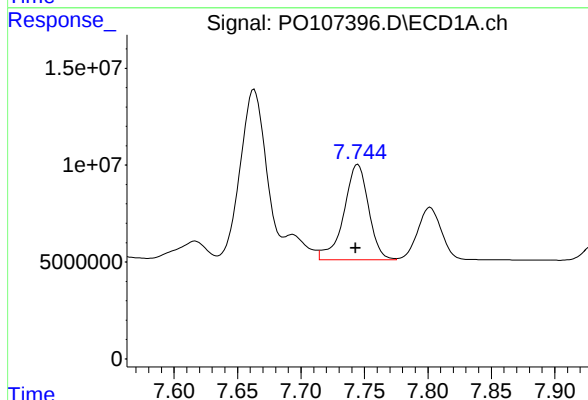
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 117860609
Conc: 447.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BSD



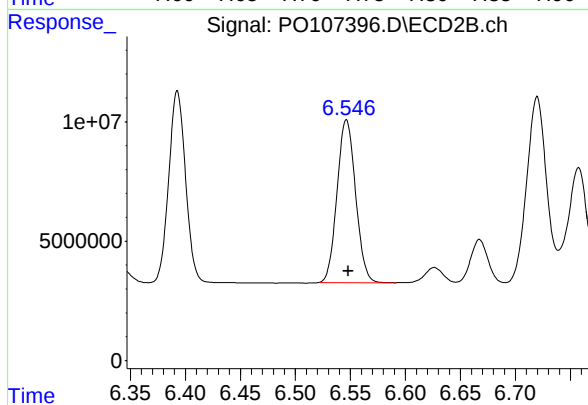
#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: -0.001 min
Response: 85984630
Conc: 488.23 ng/ml



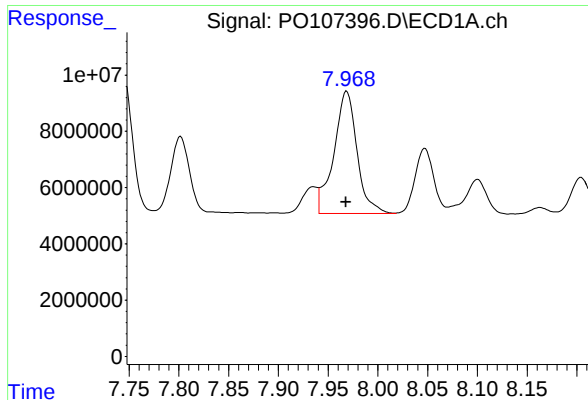
#33 AR-1260-3

R.T.: 7.745 min
Delta R.T.: 0.002 min
Response: 66926670
Conc: 372.34 ng/ml



#33 AR-1260-3

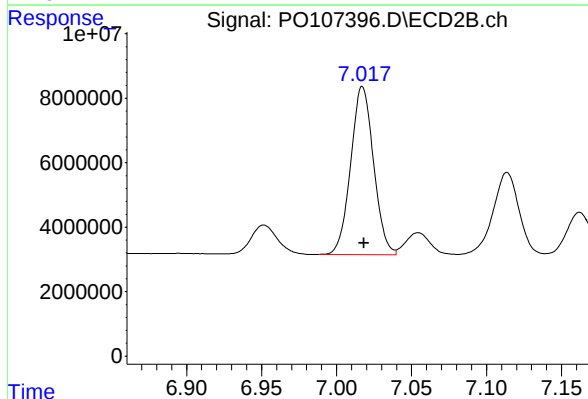
R.T.: 6.546 min
Delta R.T.: -0.002 min
Response: 80244764
Conc: 478.36 ng/ml



#34 AR-1260-4

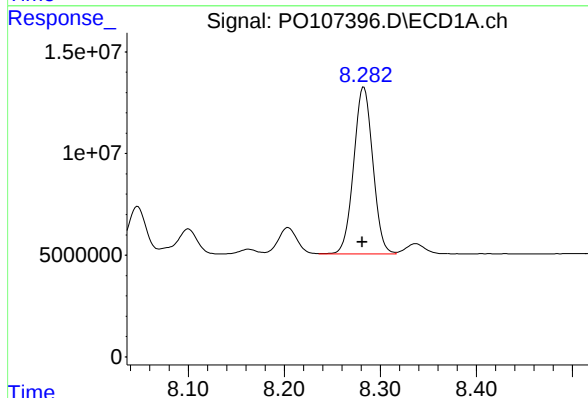
R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 70676215
Conc: 402.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164403BSD



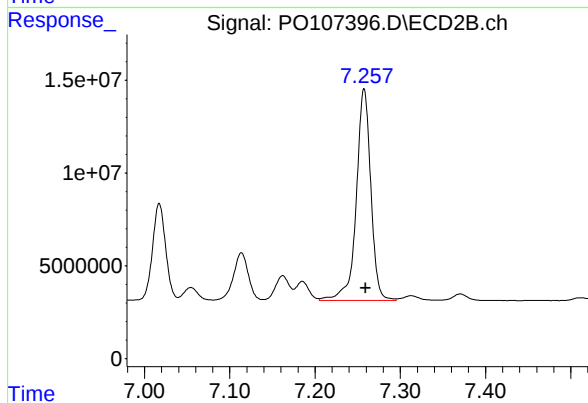
#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 55402463
Conc: 382.93 ng/ml



#35 AR-1260-5

R.T.: 8.283 min
Delta R.T.: 0.001 min
Response: 113742858
Conc: 399.95 ng/ml



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.002 min
Response: 135406509
Conc: 411.02 ng/ml

Manual Integration Report

Sequence:	po101524	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO107188.D	AR-1260-1 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-4 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	Decachlorobiphenyl #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1268ICC050	PO107211.D	AR-1268-1	yogesh	10/16/2024 8:49:03 AM	Ankita	10/16/2024 9:57:36	Peak Integrated by Software

Manual Integration Report

Sequence:

PO102524

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO107385.D	AR-1254-2 #2	yogesh	10/28/2024 9:21:45 AM	Ankita	10/28/2024 10:40:27	Peak Integrated by Software
PB164403BS	PO107395.D	AR-1260-4	yogesh	10/28/2024 9:21:55 AM	Ankita	10/28/2024 10:40:35	Peak Integrated by Software
AR1248CCC500	PO107399.D	AR-1248-5 #2	yogesh	10/28/2024 9:21:57 AM	Ankita	10/28/2024 10:40:36	Peak Integrated by Software
AR1254CCC500	PO107400.D	AR-1254-2 #2	yogesh	10/28/2024 9:21:58 AM	Ankita	10/28/2024 10:40:38	Peak Integrated by Software
AR1248CCC500	PO107411.D	AR-1248-5 #2	yogesh	10/28/2024 9:22:05 AM	Ankita	10/28/2024 10:40:44	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102824	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO107423.D	AR-1254-2 #2	yogesh	10/29/2024 9:25:31 AM	Ankita	10/29/2024 9:46:17	Peak Integrated by Software
AR1660CCC500	PO107435.D	AR-1016-5 #2	yogesh	10/29/2024 9:25:38 AM	Ankita	10/29/2024 9:46:22	Peak Integrated by Software
AR1248CCC500	PO107438.D	AR-1248-5 #2	yogesh	10/29/2024 9:25:40 AM	Ankita	10/29/2024 9:46:23	Peak Integrated by Software
AR1254CCC500	PO107439.D	AR-1254-2 #2	yogesh	10/29/2024 9:25:42 AM	Ankita	10/29/2024 9:46:24	Peak Integrated by Software
AR1242CCC500	PO107452.D	AR-1242-2 #2	yogesh	10/29/2024 1:58:22 PM	Ankita	10/29/2024 1:58:46	Peak Integrated by Software
AR1242CCC500	PO107452.D	AR-1242-3 #2	yogesh	10/29/2024 1:58:22 PM	Ankita	10/29/2024 1:58:46	Peak Integrated by Software
AR1242CCC500	PO107452.D	AR-1242-4 #2	yogesh	10/29/2024 1:58:22 PM	Ankita	10/29/2024 1:58:46	Peak Integrated by Software
AR1242CCC500	PO107452.D	AR-1242-5 #2	yogesh	10/29/2024 1:58:22 PM	Ankita	10/29/2024 1:58:46	Peak Integrated by Software
AR1242CCC500	PO107452.D	Decachlorobiphenyl #2	yogesh	10/29/2024 1:58:22 PM	Ankita	10/29/2024 1:58:46	Peak Integrated by Software
AR1248CCC500	PO107453.D	AR-1248-5 #2	yogesh	10/29/2024 9:25:53 AM	Ankita	10/29/2024 9:46:44	Peak Integrated by Software
AR1254CCC500	PO107454.D	AR-1254-1 #2	yogesh	10/29/2024 9:25:54 AM	Ankita	10/29/2024 9:46:46	Peak Integrated by Software
AR1254CCC500	PO107454.D	AR-1254-2 #2	yogesh	10/29/2024 9:25:54 AM	Ankita	10/29/2024 9:46:46	Peak Integrated by Software
AR1242CCC500	PO107465.D	Tetrachloro-m-xylene #2	yogesh	10/29/2024 9:26:01 AM	Ankita	10/29/2024 9:47:02	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PO102824

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PO107466.D	AR-1248-5 #2	yogesh	10/29/2024 9:26:03 AM	Ankita	10/29/2024 9:47:04	Peak Integrated by Software
AR1254CCC500	PO107467.D	AR-1254-2 #2	yogesh	10/29/2024 9:26:05 AM	Ankita	10/29/2024 9:47:06	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107180.D	15 Oct 2024 13:05	YP/AJ	Ok
2	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	YP/AJ	Not Ok
3	HEXANE	PO107182.D	15 Oct 2024 17:50	YP/AJ	Ok
4	I.BLK	PO107183.D	15 Oct 2024 18:08	YP/AJ	Ok
5	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27	YP/AJ	Ok
6	AR1660ICC750	PO107185.D	15 Oct 2024 18:45	YP/AJ	Ok
7	AR1660ICC500	PO107186.D	15 Oct 2024 19:03	YP/AJ	Ok
8	AR1660ICC250	PO107187.D	15 Oct 2024 19:21	YP/AJ	Ok
9	AR1660ICC050	PO107188.D	15 Oct 2024 19:39	YP/AJ	Ok,M
10	AR1221ICC500	PO107189.D	15 Oct 2024 19:57	YP/AJ	Ok
11	AR1232ICC500	PO107190.D	15 Oct 2024 20:15	YP/AJ	Ok
12	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34	YP/AJ	Ok
13	AR1242ICC750	PO107192.D	15 Oct 2024 20:52	YP/AJ	Ok
14	AR1242ICC500	PO107193.D	15 Oct 2024 21:10	YP/AJ	Ok
15	AR1242ICC250	PO107194.D	15 Oct 2024 21:28	YP/AJ	Ok
16	AR1242ICC050	PO107195.D	15 Oct 2024 21:46	YP/AJ	Ok
17	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04	YP/AJ	Ok
18	AR1248ICC750	PO107197.D	15 Oct 2024 22:22	YP/AJ	Ok
19	AR1248ICC500	PO107198.D	15 Oct 2024 22:41	YP/AJ	Ok
20	AR1248ICC250	PO107199.D	15 Oct 2024 22:59	YP/AJ	Ok
21	AR1248ICC050	PO107200.D	15 Oct 2024 23:17	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35	YP/AJ	Ok
23	AR1254ICC750	PO107202.D	15 Oct 2024 23:53	YP/AJ	Ok
24	AR1254ICC500	PO107203.D	16 Oct 2024 00:11	YP/AJ	Ok
25	AR1254ICC250	PO107204.D	16 Oct 2024 00:29	YP/AJ	Ok
26	AR1254ICC050	PO107205.D	16 Oct 2024 00:47	YP/AJ	Ok
27	AR1262ICC500	PO107206.D	16 Oct 2024 01:05	YP/AJ	Ok
28	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23	YP/AJ	Ok
29	AR1268ICC750	PO107208.D	16 Oct 2024 01:41	YP/AJ	Ok
30	AR1268ICC500	PO107209.D	16 Oct 2024 01:59	YP/AJ	Ok
31	AR1268ICC250	PO107210.D	16 Oct 2024 02:18	YP/AJ	Ok
32	AR1268ICC050	PO107211.D	16 Oct 2024 02:36	YP/AJ	Ok,M
33	PO101524ICV500	PO107212.D	16 Oct 2024 02:54	YP/AJ	Ok
34	AR1242ICV500	PO107213.D	16 Oct 2024 03:12	YP/AJ	Ok
35	AR1248ICV500	PO107214.D	16 Oct 2024 03:30	YP/AJ	Ok
36	AR1254ICV500	PO107215.D	16 Oct 2024 03:48	YP/AJ	Ok
37	AR1268ICV500	PO107216.D	16 Oct 2024 04:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102524

Review By	yogesh	Review On	10/28/2024 9:22:21 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:41:00 AM
SubDirectory	PO102524	HP Acquire Method	HP Processing Method
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107369.D	25 Oct 2024 09:07	YP/AJ	Ok
2	AR1660CCC500	PO107370.D	25 Oct 2024 09:25	YP/AJ	Ok
3	AR1242CCC500	PO107371.D	25 Oct 2024 09:43	YP/AJ	Ok
4	AR1248CCC500	PO107372.D	25 Oct 2024 10:01	YP/AJ	Ok
5	AR1254CCC500	PO107373.D	25 Oct 2024 10:41	YP/AJ	Ok
6	I.BLK	PO107374.D	25 Oct 2024 10:59	YP/AJ	Ok
7	PB164397BL	PO107375.D	25 Oct 2024 13:10	YP/AJ	Ok
8	PB164397BS	PO107376.D	25 Oct 2024 13:28	YP/AJ	Ok
9	P4495-18	PO107377.D	25 Oct 2024 13:46	YP/AJ	Dilution
10	PB164405BL	PO107378.D	25 Oct 2024 14:04	YP/AJ	Ok
11	PB164405BS	PO107379.D	25 Oct 2024 14:22	YP/AJ	Ok
12	P4495-19	PO107380.D	25 Oct 2024 14:40	YP/AJ	Not Ok
13	P4495-18DL	PO107381.D	25 Oct 2024 15:16	YP/AJ	Ok,M
14	AR1660CCC500	PO107382.D	25 Oct 2024 15:49	YP/AJ	Ok
15	AR1242CCC500	PO107383.D	25 Oct 2024 16:07	YP/AJ	Ok
16	AR1248CCC500	PO107384.D	25 Oct 2024 16:25	YP/AJ	Ok
17	AR1254CCC500	PO107385.D	25 Oct 2024 16:43	YP/AJ	Ok,M
18	I.BLK	PO107386.D	25 Oct 2024 17:01	YP/AJ	Ok
19	P4547-01	PO107387.D	25 Oct 2024 17:19	YP/AJ	Ok
20	P4547-05	PO107388.D	25 Oct 2024 17:37	YP/AJ	Ok
21	P4531-01	PO107389.D	25 Oct 2024 17:55	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102524

Review By	yogesh	Review On	10/28/2024 9:22:21 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:41:00 AM
SubDirectory	PO102524	HP Acquire Method	HP Processing Method
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4531-01MS	PO107390.D	25 Oct 2024 18:13	YP/AJ	Ok,M
23	P4531-01MSD	PO107391.D	25 Oct 2024 18:31	YP/AJ	Ok,M
24	P4545-01	PO107392.D	25 Oct 2024 18:50	YP/AJ	ReRun
25	P4549-04	PO107393.D	25 Oct 2024 19:08	YP/AJ	ReRun
26	PB164403BL	PO107394.D	25 Oct 2024 19:26	YP/AJ	Not Ok
27	PB164403BS	PO107395.D	25 Oct 2024 19:44	YP/AJ	Ok,M
28	PB164403BSD	PO107396.D	25 Oct 2024 20:02	YP/AJ	Ok
29	AR1660CCC500	PO107397.D	25 Oct 2024 20:48	YP/AJ	Ok
30	AR1242CCC500	PO107398.D	25 Oct 2024 21:06	YP/AJ	Ok
31	AR1248CCC500	PO107399.D	25 Oct 2024 21:24	YP/AJ	Ok,M
32	AR1254CCC500	PO107400.D	25 Oct 2024 21:42	YP/AJ	Ok,M
33	I.BLK	PO107401.D	25 Oct 2024 22:01	YP/AJ	Ok
34	P4511-01	PO107402.D	25 Oct 2024 22:19	YP/AJ	Ok
35	P4512-01	PO107403.D	25 Oct 2024 22:37	YP/AJ	Ok,M
36	P4512-02	PO107404.D	25 Oct 2024 22:55	YP/AJ	Ok,M
37	P4513-04	PO107405.D	25 Oct 2024 23:13	YP/AJ	Ok,M
38	P4546-03	PO107406.D	25 Oct 2024 23:31	YP/AJ	Ok
39	P4549-02	PO107407.D	25 Oct 2024 23:49	YP/AJ	ReRun
40	P4549-03	PO107408.D	26 Oct 2024 00:07	YP/AJ	ReRun
41	AR1660CCC500	PO107409.D	26 Oct 2024 00:54	YP/AJ	Ok
42	AR1242CCC500	PO107410.D	26 Oct 2024 01:12	YP/AJ	Ok
43	AR1248CCC500	PO107411.D	26 Oct 2024 01:30	YP/AJ	Ok,M
44	AR1254CCC500	PO107412.D	26 Oct 2024 01:48	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102524

Review By	yogesh	Review On	10/28/2024 9:22:21 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:41:00 AM
SubDirectory	PO102524	HP Acquire Method	HP Processing Method
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	I.BLK	PO107413.D	26 Oct 2024 02:06	YP/AJ	Ok
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M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102824

Review By	yogesh	Review On	10/29/2024 9:26:23 AM
Supervise By	Ankita	Supervise On	10/29/2024 9:47:18 AM
SubDirectory	PO102824	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	I.BLK	PO107414.D	28 Oct 2024 09:16	YP/AJ	Ok
2	AR1221ICC1000	PO107415.D	28 Oct 2024 09:34	YP/AJ	Ok
3	AR1221ICC750	PO107416.D	28 Oct 2024 09:52	YP/AJ	Ok
4	AR1221ICC500	PO107417.D	28 Oct 2024 10:10	YP/AJ	Ok
5	AR1221ICC250	PO107418.D	28 Oct 2024 10:28	YP/AJ	Ok
6	AR1221ICC050	PO107419.D	28 Oct 2024 10:46	YP/AJ	Ok
7	AR1221ICV500	PO107420.D	28 Oct 2024 11:04	YP/AJ	Ok
8	AR1660CCC500	PO107421.D	28 Oct 2024 11:22	YP/AJ	Ok
9	AR1221CCC500	PO107422.D	28 Oct 2024 11:40	YP/AJ	Ok
10	AR1254CCC500	PO107423.D	28 Oct 2024 11:58	YP/AJ	Ok,M
11	I.BLK	PO107424.D	28 Oct 2024 12:16	YP/AJ	Ok
12	PB164405BL	PO107425.D	28 Oct 2024 12:34	YP/AJ	Ok
13	PB164405BS	PO107426.D	28 Oct 2024 12:52	YP/AJ	Ok
14	P4495-19	PO107427.D	28 Oct 2024 13:10	YP/AJ	Dilution
15	P4495-19DL	PO107428.D	28 Oct 2024 13:28	YP/AJ	Not Ok
16	PB164403BL	PO107429.D	28 Oct 2024 13:46	YP/AJ	Ok
17	P4549-02RE	PO107430.D	28 Oct 2024 14:04	YP/AJ	Confirms
18	P4549-03RE	PO107431.D	28 Oct 2024 14:22	YP/AJ	Confirms
19	P4549-04RE	PO107432.D	28 Oct 2024 14:40	YP/AJ	Confirms
20	P4545-01RE	PO107433.D	28 Oct 2024 14:58	YP/AJ	Confirms
21	P4495-19DL	PO107434.D	28 Oct 2024 15:52	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102824

Review By	yogesh	Review On	10/29/2024 9:26:23 AM
Supervise By	Ankita	Supervise On	10/29/2024 9:47:18 AM
SubDirectory	PO102824	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1660CCC500	PO107435.D	28 Oct 2024 16:10	YP/AJ	Ok,M
23	AR1221CCC500	PO107436.D	28 Oct 2024 16:28	YP/AJ	Ok
24	AR1242CCC500	PO107437.D	28 Oct 2024 16:46	YP/AJ	Ok
25	AR1248CCC500	PO107438.D	28 Oct 2024 17:04	YP/AJ	Ok,M
26	AR1254CCC500	PO107439.D	28 Oct 2024 17:22	YP/AJ	Ok,M
27	I.BLK	PO107440.D	28 Oct 2024 17:40	YP/AJ	Ok
28	PB164459BL	PO107441.D	28 Oct 2024 17:58	YP/AJ	Ok
29	PB164459BS	PO107442.D	28 Oct 2024 18:16	YP/AJ	Ok,M
30	P4561-01	PO107443.D	28 Oct 2024 18:34	YP/AJ	Ok
31	P4561-05	PO107444.D	28 Oct 2024 18:52	YP/AJ	Ok
32	P4566-01	PO107445.D	28 Oct 2024 19:10	YP/AJ	Ok,M
33	P4566-01MS	PO107446.D	28 Oct 2024 19:28	YP/AJ	Ok,M
34	P4566-01MSD	PO107447.D	28 Oct 2024 19:46	YP/AJ	Ok,M
35	P4567-01	PO107448.D	28 Oct 2024 20:04	YP/AJ	Ok
36	P4567-05	PO107449.D	28 Oct 2024 20:22	YP/AJ	Ok
37	P4567-09	PO107450.D	28 Oct 2024 20:40	YP/AJ	Ok
38	AR1660CCC500	PO107451.D	28 Oct 2024 21:27	YP/AJ	Ok
39	AR1242CCC500	PO107452.D	28 Oct 2024 21:45	YP/AJ	Not Ok
40	AR1248CCC500	PO107453.D	28 Oct 2024 22:03	YP/AJ	Ok,M
41	AR1254CCC500	PO107454.D	28 Oct 2024 22:21	YP/AJ	Ok,M
42	I.BLK	PO107455.D	28 Oct 2024 22:39	YP/AJ	Ok
43	P4574-01	PO107456.D	28 Oct 2024 22:57	YP/AJ	Ok
44	P4574-04	PO107457.D	28 Oct 2024 23:15	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102824

Review By	yogesh	Review On	10/29/2024 9:26:23 AM
Supervise By	Ankita	Supervise On	10/29/2024 9:47:18 AM
SubDirectory	PO102824	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	P4575-01	PO107458.D	28 Oct 2024 23:33	YP/AJ	Ok,M
46	P4577-01	PO107459.D	28 Oct 2024 23:51	YP/AJ	Ok
47	P4578-03	PO107460.D	29 Oct 2024 00:09	YP/AJ	Ok,M
48	P4578-04	PO107461.D	29 Oct 2024 00:27	YP/AJ	Ok,M
49	P4578-05	PO107462.D	29 Oct 2024 00:45	YP/AJ	Ok
50	P4578-07	PO107463.D	29 Oct 2024 01:03	YP/AJ	Ok
51	AR1660CCC500	PO107464.D	29 Oct 2024 01:50	YP/AJ	Ok
52	AR1242CCC500	PO107465.D	29 Oct 2024 02:08	YP/AJ	Ok,M
53	AR1248CCC500	PO107466.D	29 Oct 2024 02:26	YP/AJ	Ok,M
54	AR1254CCC500	PO107467.D	29 Oct 2024 02:44	YP/AJ	Ok,M
55	I.BLK	PO107468.D	29 Oct 2024 03:02	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107180.D	15 Oct 2024 13:05		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	need ICAL	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO107182.D	15 Oct 2024 17:50		YP/AJ	Ok
4	I.BLK	I.BLK	PO107183.D	15 Oct 2024 18:08		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO107185.D	15 Oct 2024 18:45		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO107186.D	15 Oct 2024 19:03		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO107187.D	15 Oct 2024 19:21		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO107188.D	15 Oct 2024 19:39		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO107189.D	15 Oct 2024 19:57		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO107190.D	15 Oct 2024 20:15		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO107192.D	15 Oct 2024 20:52		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO107193.D	15 Oct 2024 21:10		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO107194.D	15 Oct 2024 21:28		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO107195.D	15 Oct 2024 21:46		YP/AJ	Ok
17	AR1248ICC1000	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO107197.D	15 Oct 2024 22:22		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC500	AR1248ICC500	PO107198.D	15 Oct 2024 22:41		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO107199.D	15 Oct 2024 22:59		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO107200.D	15 Oct 2024 23:17		YP/AJ	Ok
22	AR1254ICC1000	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO107202.D	15 Oct 2024 23:53		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO107203.D	16 Oct 2024 00:11		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO107204.D	16 Oct 2024 00:29		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO107205.D	16 Oct 2024 00:47		YP/AJ	Ok
27	AR1262ICC500	AR1262ICC500	PO107206.D	16 Oct 2024 01:05		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO107208.D	16 Oct 2024 01:41		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO107209.D	16 Oct 2024 01:59		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO107210.D	16 Oct 2024 02:18		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO107211.D	16 Oct 2024 02:36		YP/AJ	Ok,M
33	PO101524ICV500	ICVPO101524	PO107212.D	16 Oct 2024 02:54		YP/AJ	Ok
34	AR1242ICV500	ICVPO101524AR1242	PO107213.D	16 Oct 2024 03:12		YP/AJ	Ok
35	AR1248ICV500	ICVPO101524AR1248	PO107214.D	16 Oct 2024 03:30		YP/AJ	Ok
36	AR1254ICV500	ICVPO101524AR1254	PO107215.D	16 Oct 2024 03:48		YP/AJ	Ok
37	AR1268ICV500	ICVPO101524AR1268	PO107216.D	16 Oct 2024 04:06		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102524

Review By	yogesh	Review On	10/28/2024 9:22:21 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:41:00 AM
SubDirectory	PO102524	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107369.D	25 Oct 2024 09:07		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107370.D	25 Oct 2024 09:25		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO107371.D	25 Oct 2024 09:43		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO107372.D	25 Oct 2024 10:01		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO107373.D	25 Oct 2024 10:41		YP/AJ	Ok
6	I.BLK	I.BLK	PO107374.D	25 Oct 2024 10:59		YP/AJ	Ok
7	PB164397BL	PB164397BL	PO107375.D	25 Oct 2024 13:10		YP/AJ	Ok
8	PB164397BS	PB164397BS	PO107376.D	25 Oct 2024 13:28		YP/AJ	Ok
9	P4495-18	PT-PCB-SOIL	PO107377.D	25 Oct 2024 13:46	AR1016 Hit, Need 25x Dilution	YP/AJ	Dilution
10	PB164405BL	PB164405BL	PO107378.D	25 Oct 2024 14:04		YP/AJ	Ok
11	PB164405BS	PB164405BS	PO107379.D	25 Oct 2024 14:22		YP/AJ	Ok
12	P4495-19	PT-PCBO-SOIL	PO107380.D	25 Oct 2024 14:40	AR1221 hit-need 5 point ICAL	YP/AJ	Not Ok
13	P4495-18DL	PT-PCB-SOIL DL	PO107381.D	25 Oct 2024 15:16	AR1016 Hit,	YP/AJ	Ok,M
14	AR1660CCC500	AR1660CCC500	PO107382.D	25 Oct 2024 15:49		YP/AJ	Ok
15	AR1242CCC500	AR1242CCC500	PO107383.D	25 Oct 2024 16:07		YP/AJ	Ok
16	AR1248CCC500	AR1248CCC500	PO107384.D	25 Oct 2024 16:25		YP/AJ	Ok
17	AR1254CCC500	AR1254CCC500	PO107385.D	25 Oct 2024 16:43		YP/AJ	Ok,M
18	I.BLK	I.BLK	PO107386.D	25 Oct 2024 17:01		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102524

Review By	yogesh	Review On	10/28/2024 9:22:21 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:41:00 AM
SubDirectory	PO102524	HP Acquire Method	HP Processing Method
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P4547-01	BP-F-21	PO107387.D	25 Oct 2024 17:19		YP/AJ	Ok
20	P4547-05	BP-F-20	PO107388.D	25 Oct 2024 17:37		YP/AJ	Ok
21	P4531-01	OR-03-102424	PO107389.D	25 Oct 2024 17:55		YP/AJ	Ok,M
22	P4531-01MS	OR-03-102424MS	PO107390.D	25 Oct 2024 18:13		YP/AJ	Ok,M
23	P4531-01MSD	OR-03-102424MSD	PO107391.D	25 Oct 2024 18:31		YP/AJ	Ok,M
24	P4545-01	VNJ-215	PO107392.D	25 Oct 2024 18:50	AR1254& 1260 Hit, DCB high in both column	YP/AJ	ReRun
25	P4549-04	TT-069-IDWGW-20241	PO107393.D	25 Oct 2024 19:08	DCB low in both column	YP/AJ	ReRun
26	PB164403BL	PB164403BL	PO107394.D	25 Oct 2024 19:26	wrong vial	YP/AJ	Not Ok
27	PB164403BS	PB164403BS	PO107395.D	25 Oct 2024 19:44		YP/AJ	Ok,M
28	PB164403BSD	PB164403BSD	PO107396.D	25 Oct 2024 20:02		YP/AJ	Ok
29	AR1660CCC500	AR1660CCC500	PO107397.D	25 Oct 2024 20:48		YP/AJ	Ok
30	AR1242CCC500	AR1242CCC500	PO107398.D	25 Oct 2024 21:06		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO107399.D	25 Oct 2024 21:24		YP/AJ	Ok,M
32	AR1254CCC500	AR1254CCC500	PO107400.D	25 Oct 2024 21:42		YP/AJ	Ok,M
33	I.BLK	I.BLK	PO107401.D	25 Oct 2024 22:01		YP/AJ	Ok
34	P4511-01	266	PO107402.D	25 Oct 2024 22:19		YP/AJ	Ok
35	P4512-01	3140	PO107403.D	25 Oct 2024 22:37		YP/AJ	Ok,M
36	P4512-02	3149	PO107404.D	25 Oct 2024 22:55	DCB low in 2nd column	YP/AJ	Ok,M
37	P4513-04	D3682	PO107405.D	25 Oct 2024 23:13		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102524

Review By	yogesh	Review On	10/28/2024 9:22:21 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:41:00 AM
SubDirectory	PO102524	HP Acquire Method	HP Processing Method
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	P4546-03	34839-40	PO107406.D	25 Oct 2024 23:31		YP/AJ	Ok
39	P4549-02	TT-067-IDWGW-20241	PO107407.D	25 Oct 2024 23:49	DCB low in both column	YP/AJ	ReRun
40	P4549-03	TT-068-IDWGW-20241	PO107408.D	26 Oct 2024 00:07	DCB low in both column	YP/AJ	ReRun
41	AR1660CCC500	AR1660CCC500	PO107409.D	26 Oct 2024 00:54		YP/AJ	Ok
42	AR1242CCC500	AR1242CCC500	PO107410.D	26 Oct 2024 01:12		YP/AJ	Ok
43	AR1248CCC500	AR1248CCC500	PO107411.D	26 Oct 2024 01:30		YP/AJ	Ok,M
44	AR1254CCC500	AR1254CCC500	PO107412.D	26 Oct 2024 01:48		YP/AJ	Ok
45	I.BLK	I.BLK	PO107413.D	26 Oct 2024 02:06		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102824

Review By	yogesh	Review On	10/29/2024 9:26:23 AM
Supervise By	Ankita	Supervise On	10/29/2024 9:47:18 AM
SubDirectory	PO102824	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	I.BLK	I.BLK	PO107414.D	28 Oct 2024 09:16		YP/AJ	Ok
2	AR1221ICC1000	AR1221ICC1000	PO107415.D	28 Oct 2024 09:34		YP/AJ	Ok
3	AR1221ICC750	AR1221ICC750	PO107416.D	28 Oct 2024 09:52		YP/AJ	Ok
4	AR1221ICC500	AR1221ICC500	PO107417.D	28 Oct 2024 10:10		YP/AJ	Ok
5	AR1221ICC250	AR1221ICC250	PO107418.D	28 Oct 2024 10:28		YP/AJ	Ok
6	AR1221ICC050	AR1221ICC050	PO107419.D	28 Oct 2024 10:46		YP/AJ	Ok
7	AR1221ICV500	ICVPO102824	PO107420.D	28 Oct 2024 11:04		YP/AJ	Ok
8	AR1660CCC500	AR1660CCC500	PO107421.D	28 Oct 2024 11:22		YP/AJ	Ok
9	AR1221CCC500	AR1221CCC500	PO107422.D	28 Oct 2024 11:40		YP/AJ	Ok
10	AR1254CCC500	AR1254CCC500	PO107423.D	28 Oct 2024 11:58		YP/AJ	Ok,M
11	I.BLK	I.BLK	PO107424.D	28 Oct 2024 12:16		YP/AJ	Ok
12	PB164405BL	PB164405BL	PO107425.D	28 Oct 2024 12:34		YP/AJ	Ok
13	PB164405BS	PB164405BS	PO107426.D	28 Oct 2024 12:52		YP/AJ	Ok
14	P4495-19	PT-PCBO-SOIL	PO107427.D	28 Oct 2024 13:10	AR1221 hit-need 5X	YP/AJ	Dilution
15	P4495-19DL	PT-PCBO-SOILDL	PO107428.D	28 Oct 2024 13:28	AR1221 hit,dilution not match	YP/AJ	Not Ok
16	PB164403BL	PB164403BL	PO107429.D	28 Oct 2024 13:46		YP/AJ	Ok
17	P4549-02RE	TT-067-IDWGW-20241	PO107430.D	28 Oct 2024 14:04	DCB low in both column	YP/AJ	Confirms
18	P4549-03RE	TT-068-IDWGW-20241	PO107431.D	28 Oct 2024 14:22	DCB low in both column	YP/AJ	Confirms

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102824

Review By	yogesh	Review On	10/29/2024 9:26:23 AM
Supervise By	Ankita	Supervise On	10/29/2024 9:47:18 AM
SubDirectory	PO102824	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P4549-04RE	TT-069-IDWGW-20241	PO107432.D	28 Oct 2024 14:40	DCB low in both column	YP/AJ	Confirms
20	P4545-01RE	VNJ-215RE	PO107433.D	28 Oct 2024 14:58	AR1254& 1260 Hit, DCB high in both column	YP/AJ	Confirms
21	P4495-19DL	PT-PCBO-SOILDL	PO107434.D	28 Oct 2024 15:52	AR1221 Hit	YP/AJ	Ok,M
22	AR1660CCC500	AR1660CCC500	PO107435.D	28 Oct 2024 16:10		YP/AJ	Ok,M
23	AR1221CCC500	AR1221CCC500	PO107436.D	28 Oct 2024 16:28		YP/AJ	Ok
24	AR1242CCC500	AR1242CCC500	PO107437.D	28 Oct 2024 16:46		YP/AJ	Ok
25	AR1248CCC500	AR1248CCC500	PO107438.D	28 Oct 2024 17:04		YP/AJ	Ok,M
26	AR1254CCC500	AR1254CCC500	PO107439.D	28 Oct 2024 17:22		YP/AJ	Ok,M
27	I.BLK	I.BLK	PO107440.D	28 Oct 2024 17:40		YP/AJ	Ok
28	PB164459BL	PB164459BL	PO107441.D	28 Oct 2024 17:58		YP/AJ	Ok
29	PB164459BS	PB164459BS	PO107442.D	28 Oct 2024 18:16		YP/AJ	Ok,M
30	P4561-01	BP-F-19	PO107443.D	28 Oct 2024 18:34		YP/AJ	Ok
31	P4561-05	BP-F-18	PO107444.D	28 Oct 2024 18:52		YP/AJ	Ok
32	P4566-01	HD-01-102524	PO107445.D	28 Oct 2024 19:10		YP/AJ	Ok,M
33	P4566-01MS	HD-01-102524MS	PO107446.D	28 Oct 2024 19:28		YP/AJ	Ok,M
34	P4566-01MSD	HD-01-102524MSD	PO107447.D	28 Oct 2024 19:46		YP/AJ	Ok,M
35	P4567-01	WC-1	PO107448.D	28 Oct 2024 20:04		YP/AJ	Ok
36	P4567-05	WC-2	PO107449.D	28 Oct 2024 20:22		YP/AJ	Ok
37	P4567-09	WC-3	PO107450.D	28 Oct 2024 20:40		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102824

Review By	yogesh	Review On	10/29/2024 9:26:23 AM
Supervise By	Ankita	Supervise On	10/29/2024 9:47:18 AM
SubDirectory	PO102824	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	AR1660CCC500	AR1660CCC500	PO107451.D	28 Oct 2024 21:27	AR1016 - comp#3 low in 1st column , DCB low in 2nd column	YP/AJ	Ok
39	AR1242CCC500	AR1242CCC500	PO107452.D	28 Oct 2024 21:45	F flag in TCMX , DCB low in 2nd column , Comp#3,4 low in 1st column , Comp#4,5 low in 2nd column	YP/AJ	Not Ok
40	AR1248CCC500	AR1248CCC500	PO107453.D	28 Oct 2024 22:03	Comp#3 low in 1st column	YP/AJ	Ok,M
41	AR1254CCC500	AR1254CCC500	PO107454.D	28 Oct 2024 22:21	Comp#1 low in 1st column	YP/AJ	Ok,M
42	I.BLK	I.BLK	PO107455.D	28 Oct 2024 22:39		YP/AJ	Ok
43	P4574-01	GRAVEL-1	PO107456.D	28 Oct 2024 22:57		YP/AJ	Ok
44	P4574-04	GRAVEL-2	PO107457.D	28 Oct 2024 23:15		YP/AJ	Ok
45	P4575-01	PL-02-102424	PO107458.D	28 Oct 2024 23:33		YP/AJ	Ok,M
46	P4577-01	TR-05-102524	PO107459.D	28 Oct 2024 23:51		YP/AJ	Ok
47	P4578-03	WB-305-TOP	PO107460.D	29 Oct 2024 00:09		YP/AJ	Ok,M
48	P4578-04	WB-305-TOP-1	PO107461.D	29 Oct 2024 00:27		YP/AJ	Ok,M
49	P4578-05	WB-305-BOT	PO107462.D	29 Oct 2024 00:45		YP/AJ	Ok
50	P4578-07	WB-305-BOT-1	PO107463.D	29 Oct 2024 01:03		YP/AJ	Ok
51	AR1660CCC500	AR1660CCC500	PO107464.D	29 Oct 2024 01:50		YP/AJ	Ok
52	AR1242CCC500	AR1242CCC500	PO107465.D	29 Oct 2024 02:08		YP/AJ	Ok,M
53	AR1248CCC500	AR1248CCC500	PO107466.D	29 Oct 2024 02:26		YP/AJ	Ok,M
54	AR1254CCC500	AR1254CCC500	PO107467.D	29 Oct 2024 02:44		YP/AJ	Ok,M
55	I.BLK	I.BLK	PO107468.D	29 Oct 2024 03:02		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102824

Review By	yogesh	Review On	10/29/2024 9:26:23 AM
Supervise By	Ankita	Supervise On	10/29/2024 9:47:18 AM
SubDirectory	PO102824	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Matrix : Water

Welgh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3574 **Hood ID:** 4,6,7

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction Start Date : 10/25/2024

Extraction Start Time : 09:10

Extraction End Date : 10/25/2024

Extraction End Time : 14:10

Concentration By: EH

Supervisor By : rajesh

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Surrogate	1.0ML	200 PPB	PP23858
Spike Sol 1	1.0ML	5000 PPB	PP23640
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3822
Baked Na2SO4	N/A	EP2546
Hexane	N/A	E3819
H2SO4 1:1	N/A	EP2524
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. P 4511-01,P4512-02,04 Limited volume used as samples are Oily.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

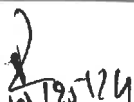
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/25/24 14:15	RP (Ext Lab)	ALLIST PCA Lab
	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 10/25/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164403BL	ABLK403	PCB	1000	6	RUPESH	ritesh	10			SEP-1
PB164403BS	ALCS403	PCB	1000	6	RUPESH	ritesh	10			2
PB164403BSD	ALCSD403	PCB	1000	6	RUPESH	ritesh	10			3
P4511-01	266	PCB	100	6	RUPESH	ritesh	10	C	Oily	4
P4512-01	3140	PCB	1000	6	RUPESH	ritesh	10	C		5
P4512-02	3149	PCB	100	6	RUPESH	ritesh	10	C	Oily	6
P4513-04	D3682	PCB	100	6	RUPESH	ritesh	10	C	Oily	7
P4546-03	34839-40	PCB	1000	6	RUPESH	ritesh	10	C		8
P4549-02	TT-067-IDWGW-20241024	PCB	980	6	RUPESH	ritesh	10	D		9
P4549-03	TT-068-IDWGW-20241024	PCB	970	6	RUPESH	ritesh	10	D		10
P4549-04	TT-069-IDWGW-20241024	PCB	990	6	RUPESH	ritesh	10	D		11

* Extracts relinquished on the same date as received.



16040-016210

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P4511PCB

Worklist ID : 184770

Department : Extraction

Date : 10-25-2024 08:58:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4511-01	266	Water	PCB	Cool 4 deg C	PSEG03	K61	10/23/2024	8082A
P4512-01	3140	Water	PCB	Cool 4 deg C	PSEG03	K61	10/23/2024	8082A
P4512-02	3149	Water	PCB	Cool 4 deg C	PSEG03	K61	10/23/2024	8082A
P4513-04	D3682	Water	PCB	Cool 4 deg C	PSEG03	K61	10/23/2024	8082A
P4546-03	34839-40	Water	PCB	Cool 4 deg C	PSEG03	K61	10/23/2024	8082A
P4549-02	TT-067-IDWGW-20241024	Water	PCB	Cool 4 deg C	TETR06	K11	10/24/2024	8082A
P4549-03	TT-068-IDWGW-20241024	Water	PCB	Cool 4 deg C	TETR06	K11	10/24/2024	8082A
P4549-04	TT-069-IDWGW-20241024	Water	PCB	Cool 4 deg C	TETR06	K11	10/24/2024	8082A

Date/Time 10/25/24 9:05
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/25/24 9:40
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Prep Standard - Chemical Standard Summary

Order ID : P4549

Test : PCB

Prepbatch ID : PB164403,

Sequence ID/Qc Batch ID: PO102524,PO102824,

Standard ID :

EP2524,EP2546,PP23640,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23858,

Chemical ID :

E3551,E3788,E3804,E3805,E3815,E3819,E3822,M5037,P10483,P10500,P11507,P11512,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12946,P12947,P12957,P13033,P13350,P13351,P13372,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2524	08/14/2024	12/15/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2546	10/11/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Rajesh Parikh 10/11/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP23640	09/09/2024	01/12/2025	Ankita Jodhani	None	None	Yogesh Patel
								09/10/2024

FROM 0.50000ml of P12946 + 99.50000ml of E3788 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP23736	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	PP23738	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	PP23740	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP23742	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP23744	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP23747	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	PP23749	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	PP23751	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP23753	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP23755	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP23757	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	PP23759	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	PP23761	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP23763	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP23765	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP23767	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	PP23769	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	PP23771	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP23773	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP23775	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	PP23777	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23779	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3790	AR1221 500 PPB ICV(AGILENT)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23781	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	PP23783	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	PP23789	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23858	10/14/2024	04/04/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/14/2024

FROM 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	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	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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	05/01/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

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	04/15/2025	10/15/2024 / Rajesh	10/09/2024 / Rajesh	E3819

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24I2662006	04/23/2025	10/24/2024 / Rajesh	10/24/2024 / Rajesh	E3822

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)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

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	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	01/12/2025	07/12/2024 / Abdul	12/20/2023 / Yogesh	P12946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/14/2025	10/14/2024 / Abdul	04/22/2024 / Abdul	P13351

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

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www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815


Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 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

Recd. by RP on 10/09/24

E 3819

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700
Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4

Batch No.: 24I2662006

Manufactured Date: 2024-08-29

Expiration Date: 2025-11-28

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3822

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantorsm



Material No.: 9673-33

Batch No.: 0000250349

Manufactured Date: 2019/12/17

Retest Date: 2024/12/15

Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO ₂)	<= 2 ppm	< 2
Ammonium (NH ₄)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO ₃)	<= 0.2 ppm	< 0.1
Phosphate (PO ₄)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

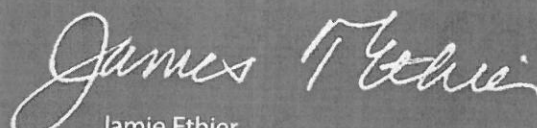
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC


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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0163157

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1016 CAS # 12674-11-2 (Lot 04) Purity ----%	1,007.0 µg/mL	+/- 5.8683 µg/mL Gravimetric +/- 31.9082 µg/mL Unstressed +/- 41.6868 µg/mL Stressed
2	Aroclor 1260 CAS # 11096-82-5 (Lot 07) Purity ----%	1,008.0 µg/mL	+/- 5.8741 µg/mL Gravimetric +/- 31.9399 µg/mL Unstressed +/- 41.7282 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 10476

P 10480

AR
02/19/21

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

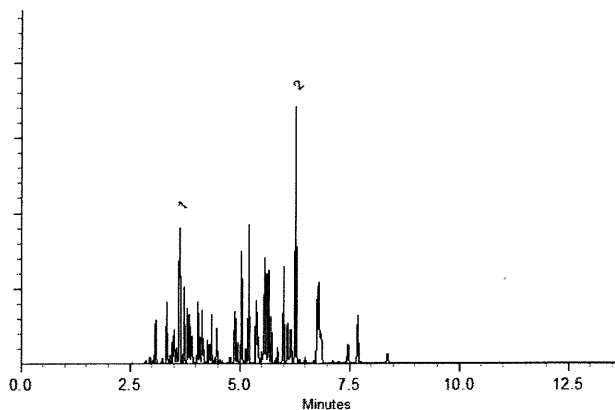
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020

Balance: B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 Lot No.: A0167722
Description : Aroclor® 1262 Standard
Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1262	1,004.0 µg/mL	+/- 5.9635 µg/mL Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340 µg/mL Unstressed
	Purity ----%		+/- 41.5787 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10496
↓
P10500

AJ
09/19/21

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

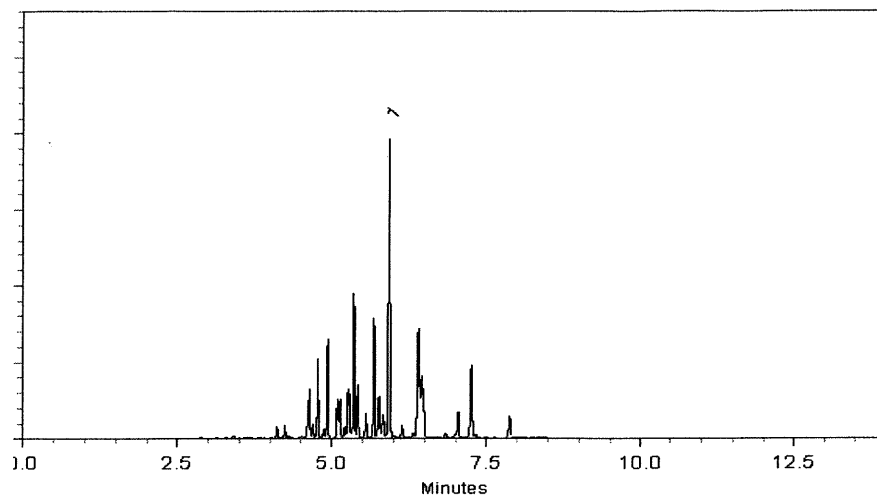
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021

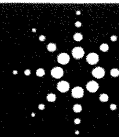
Balance: B707717271

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1242	100.4	± 0.5 µg/mL		053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11503
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P11507

AJ
02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



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Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

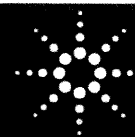
www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1248 Standard

Lot Number: 0006626997

Product Number: PP-342-1

Lot Issue Date: 17-Aug-2021

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1248	100.3	± 0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508

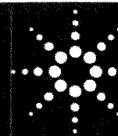
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P11512

AJ

2/21/22

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

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Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 Lot No.: A0175456
Description : Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706 µg/mL Unstressed
	Purity ----%		+/- 41.4958 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11578
↓
P 11582 / (S)

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

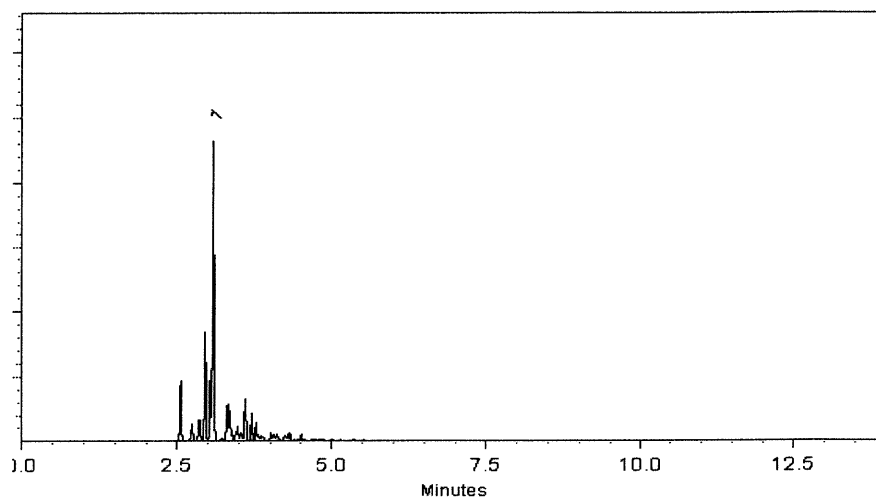
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11578
↓
P11582 / (S)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 Lot No.: A0173309
Description : Aroclor® 1232 Standard
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL Unstressed
	Purity ----%		+/- 41.4544 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11583
↓
P11587 / (S)

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

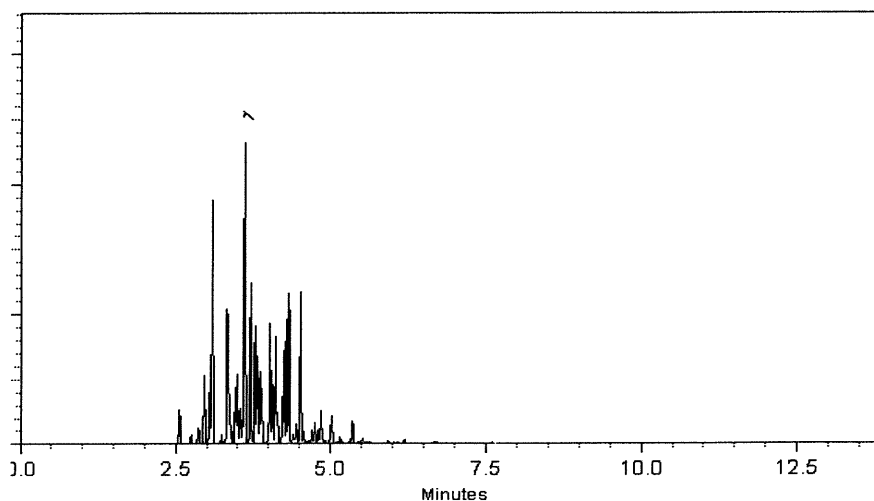
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021

Balance: B442140311

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11583
↓
P11587 / (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 Lot No.: A0175403
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 41.4406 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

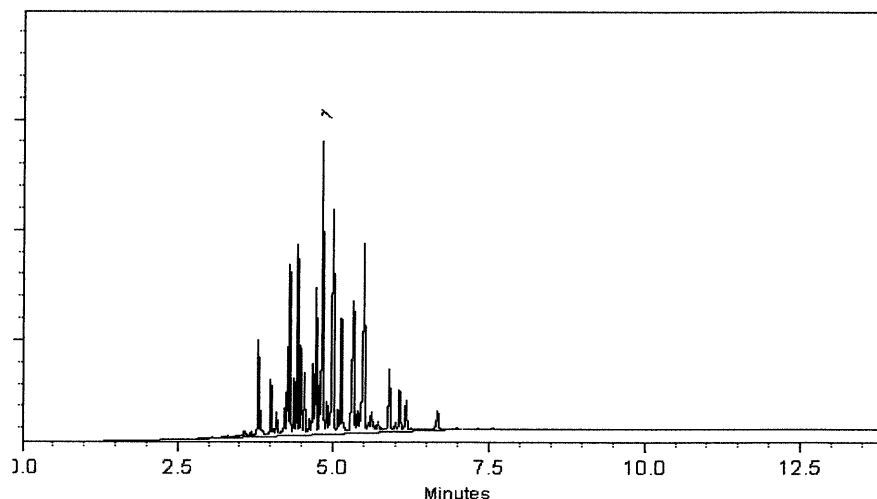
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11588
↓
P11592 / (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0181782

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1268	1,001.4 µg/mL	+/- 5.9480 µg/mL Gravimetric
	CAS # 11100-14-4 (Lot 10947000)		+/- 31.7516 µg/mL Unstressed
	Purity ----%		+/- 41.4710 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11593
↓
P 11597
⑤

UAR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

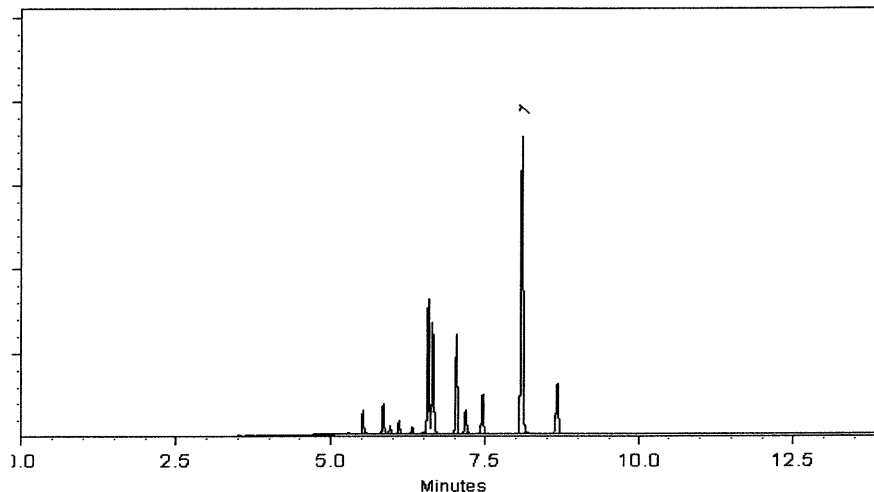
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

Clara Windle
Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 11593 / (5)
↓
P 11597
[Signature]
04/30/2022



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

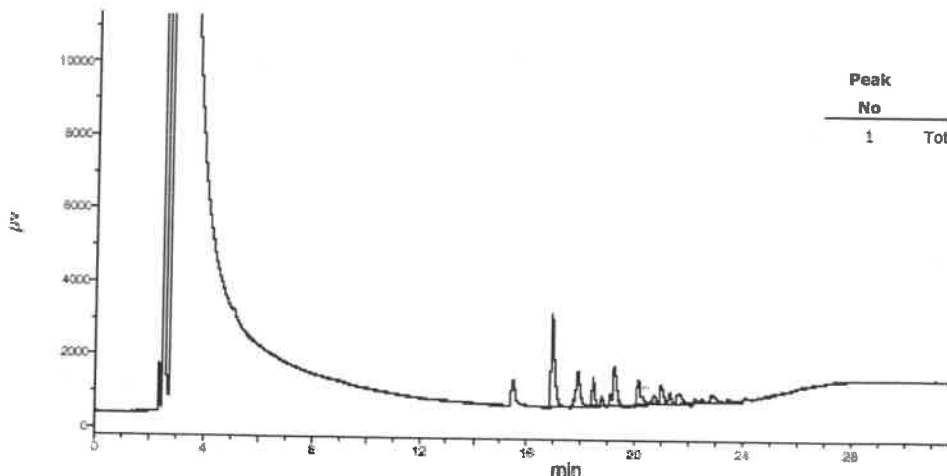
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5 μm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5 μL , Range=3





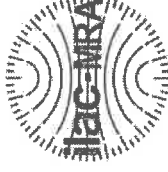
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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.: 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:

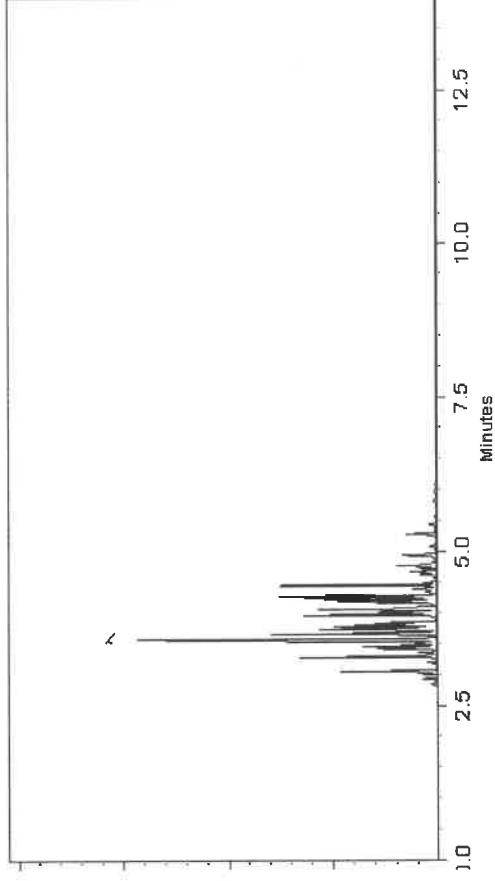
ECD

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



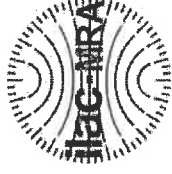
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32010 **Lot No.:** A0202803

Description: Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P1210967
P1210977
P1210973

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	---%	1,001.7 µg/mL	+/- 55.5850

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

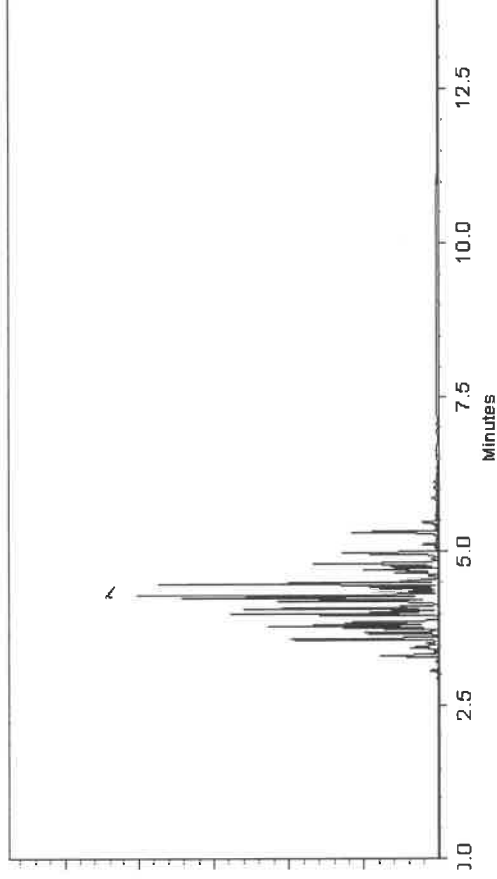
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
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:
Ambient (20 °C)

Expanded
Uncertainty

SDS Information
(Solvent Safety Info. On Attached pg.)

Recommended Storage:
Nominal Concentration (µg/mL):
200.0

Actual
Conc (µg/mL)

OSHA PEL (TWA)
LD50

NIST Test ID#:
6UTB

Purity
(%)

CAS#

Weight(s) shown below were combined and diluted to (mL):

Actual
Weight(g)

Conc (µg/mL)

or: rat 1315mg/kg

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Target
Weight(g)

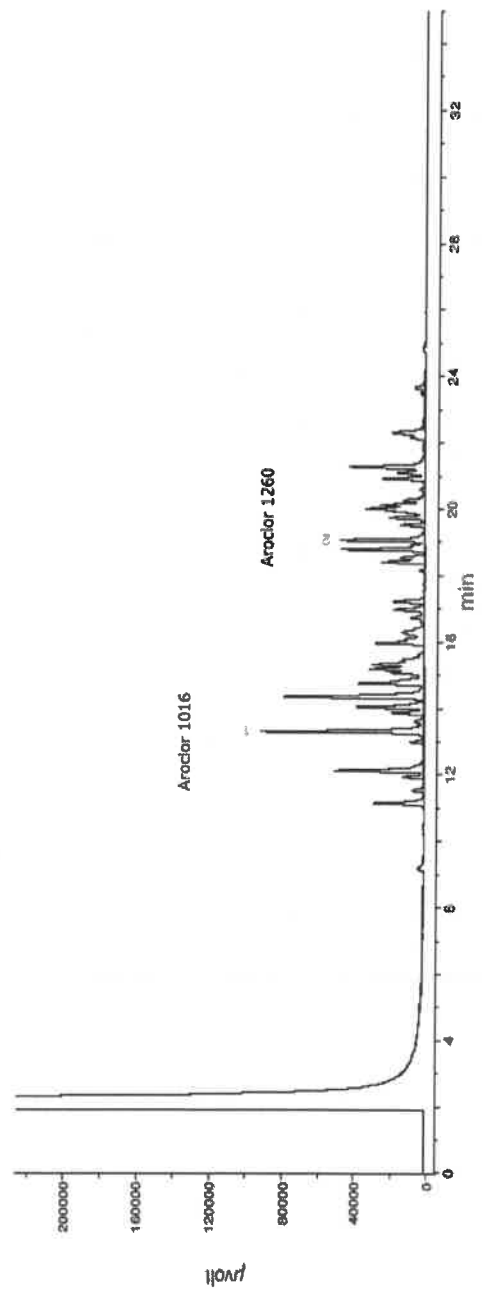
12674-11-2
11086-82-5

PR2946 7/18
↓
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)	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	or: rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Solvent(s):
Hexane

Lot#
273615

Lot Number:
022023

Formulated By:
Benson Chan

DATE
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Reviewed By:
Pedro L. Rentas

DATE
022023

Expiration Date:
Ambient (20 °C)

Expanded
Uncertainty

SDS Information
(Solvent Safety Info. On Attached pg.)

Recommended Storage:
Nominal Concentration (µg/mL):
200.0

Purity

OSHA PEL (TWA)
LD50

NIST Test ID#:
6UTB

Balance Uncertainty
0.010

Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL):

5E-05

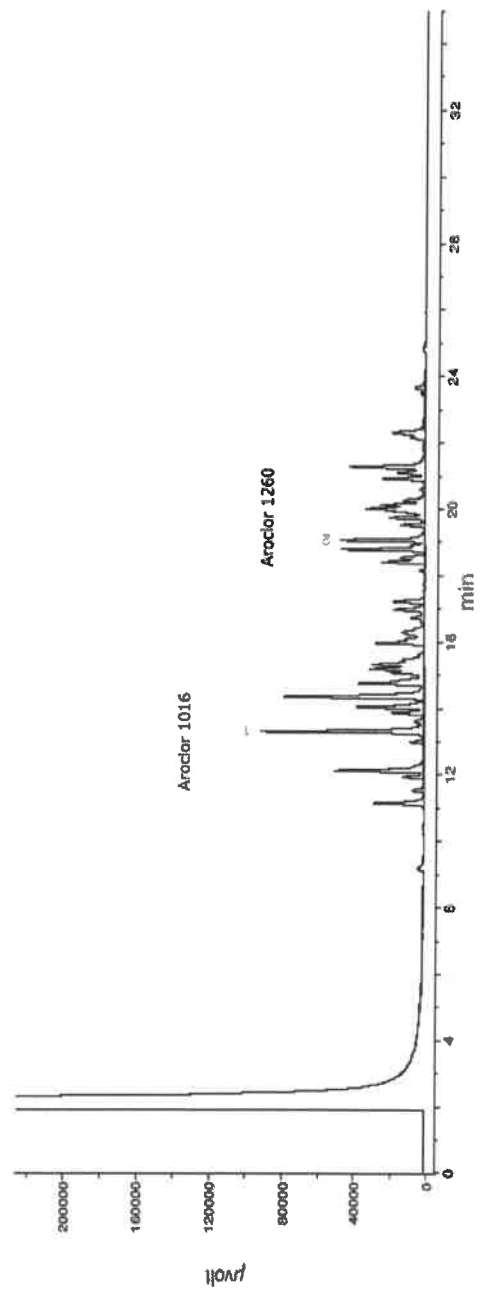
0.010

PR2946
718
12/20/23
P1295

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	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

Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

Solvent(s): Iso-octane
Lot#: 82227

Formulated By: Anthony Mahoney	121823	DATE
Reviewed By: Pedro L. Rentas	121823	DATE

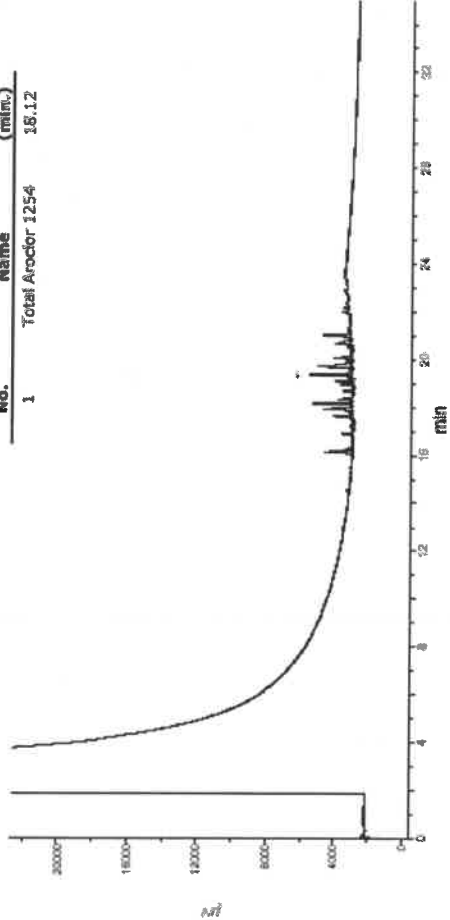
12956 Y.P.
12/18/23
12957

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Initial Uncertainty	Pipette (mL)	Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information		
											(Solvent Safety Info. On Attached pg.)	CAS#	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	0.017	1003.3	100.1	11097-69-1	1.8	0.5mg/m3 (skin)		or-rat 1295mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm 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 = 280 °C (Time 2 = 13.5 min)
Rate = 8 °C/min, Total run time = 35 min
Injector temp. = 200 °C, FID Temp. = 300 °C, FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12





CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Atrocior 1262
Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6LUTB
Weight(s) shown were combined and diluted to (mL): 50.0

Solvent(s): Hexane
Lot# 273615

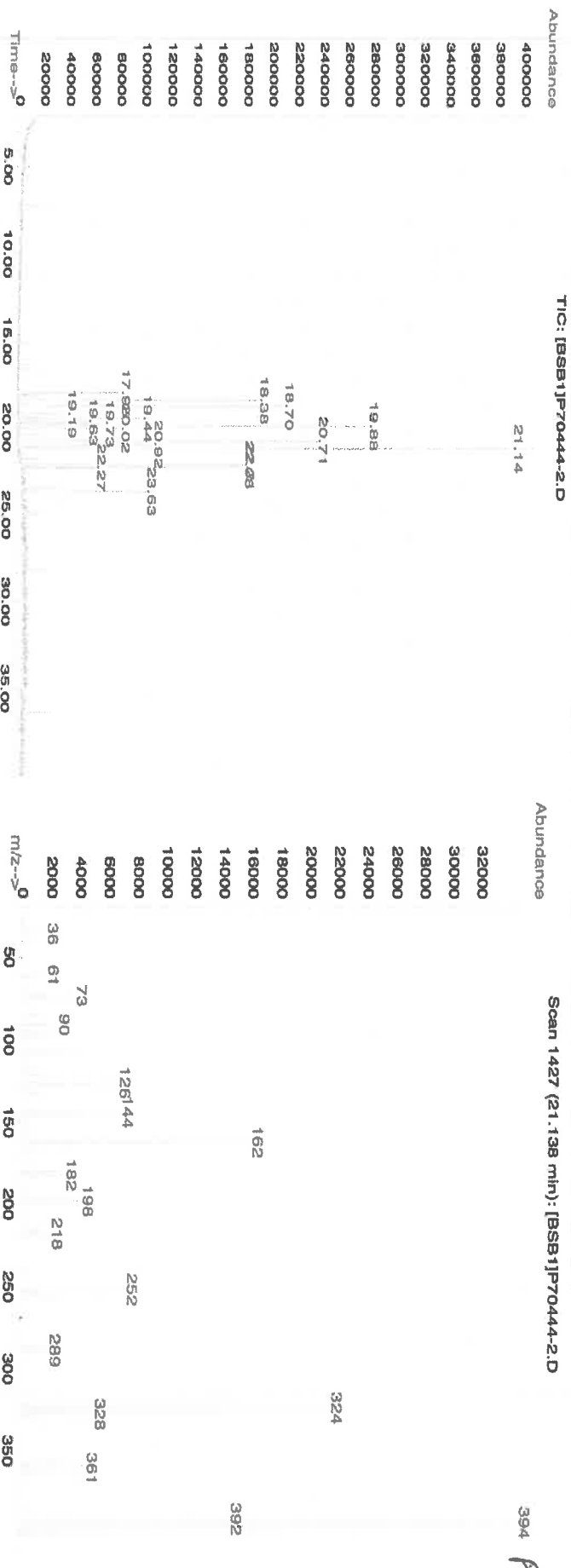
SE-05 Balance Uncertainty
0.005 Flask Uncertainty

Formulated By:	Prashant Chauhan	112322	DATE
Reviewed By:	Pedro L. Rentes	112322	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
----------	-----	------------	----------------------	------------	--------------------	-------------------	-------------------	---------------------	----------------------------------	------	----------------	------

1. Atrocior 1262 444 W-130-05 1000 100 0.2 0.05003 0.05016 1002.7 4.5 37324-23-5 N/A or-ral 11300mg/kg

Method GC/MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C.



- 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, (1996).

P13032 4.8
2
P13033
12/21/23

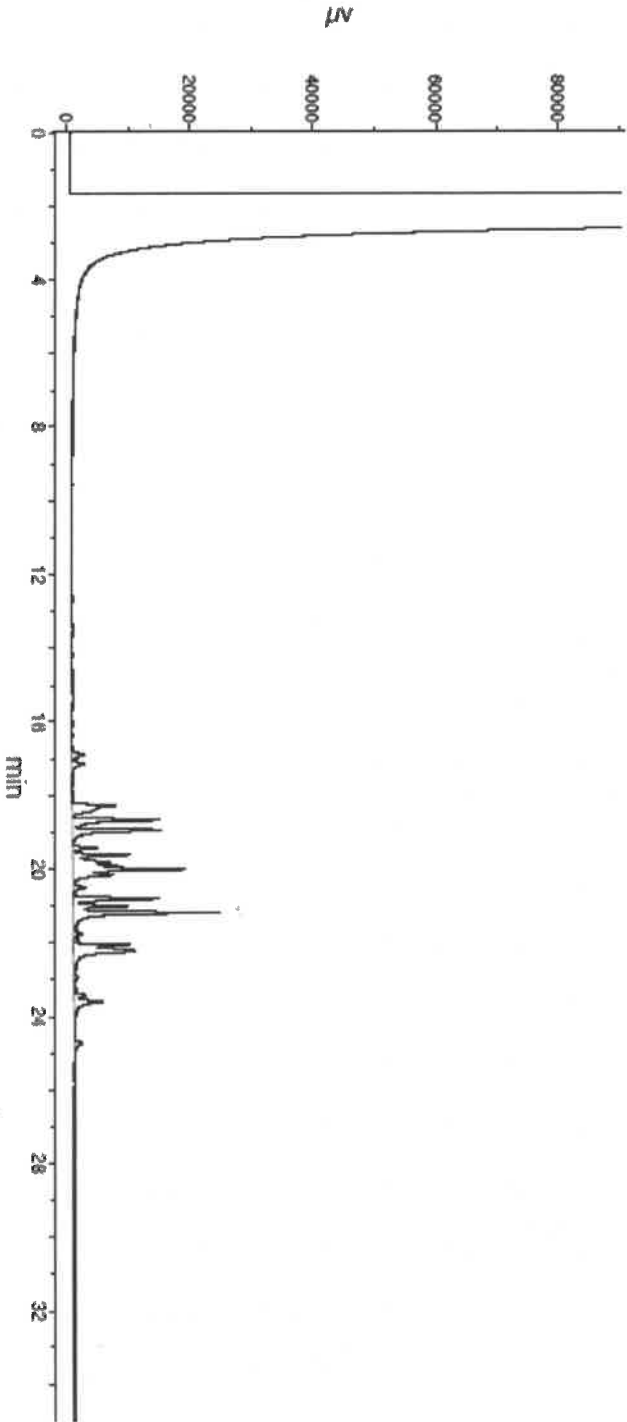


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

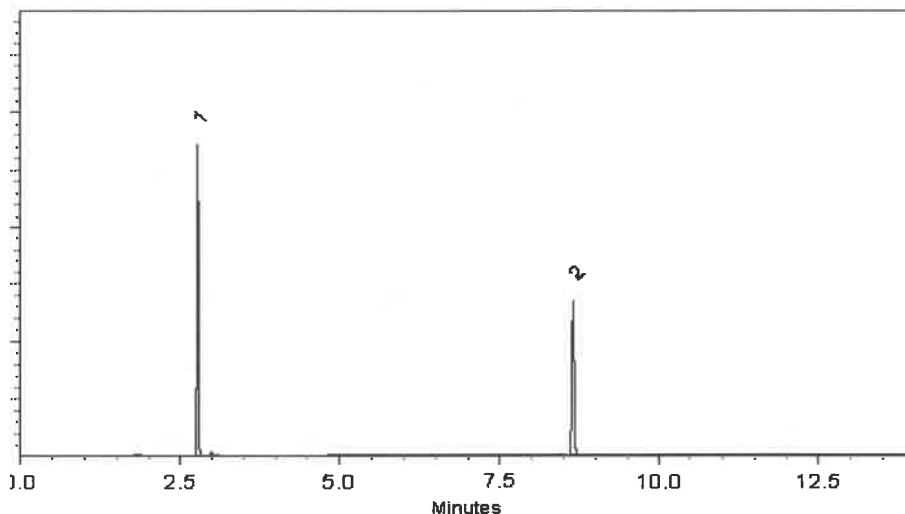
ECD

Split Vent:

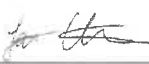
10 ml/min.

Inj. Vol

1µl

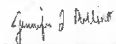


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

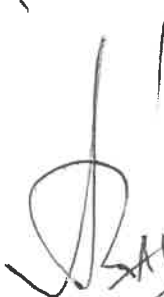
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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P 13357
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110 Benner Circle
Bellefonte, PA 16823-8812
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
↓
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:

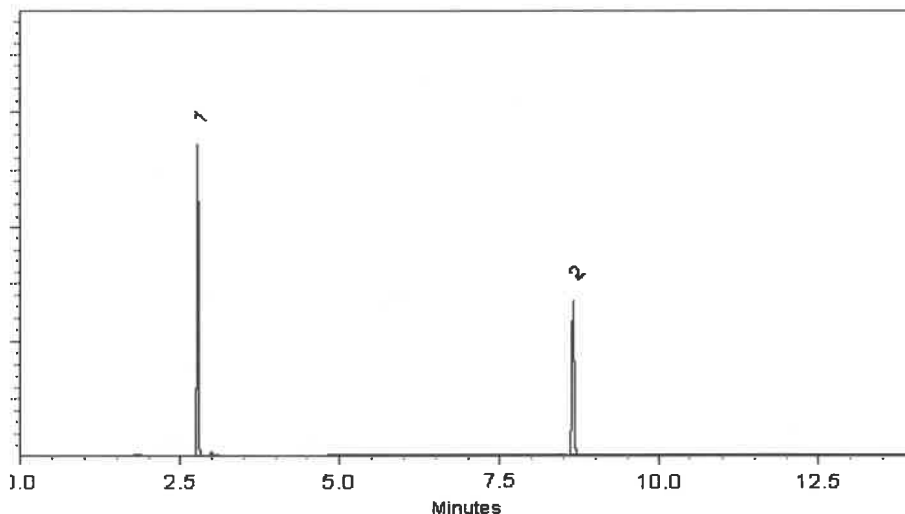
ECD

Split Vent:

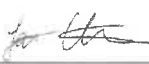
10 ml/min.

Inj. Vol

1µl

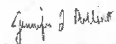


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

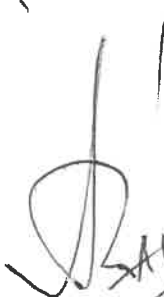
Balance Serial # 1128360905


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

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P 13357
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04/25/2025



ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
Expiration Date: 31-Mar-2032

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3 ±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

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AJ
05106124
P13343

Page: 1 of 2

CSD-QA-015.2

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

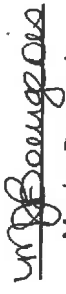
ISO 17025
Cert No. AT-1937



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



SHIPPING DOCUMENTS



CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: P4549

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: GW IDW
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetrattech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ 48hr _____ DAYS*
HARD COPY: _____ 48hr _____ DAYS*
EDD _____ 48hr _____ DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESEULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

ANALYSIS

VOC's (EPA 624)	pH	Total Metals	PCB's (EPA 8082)						
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		A		B							
1.	TT-TB-20241024	QA		X	10/24/24	10:00	2	2									Trip Blank
2.	TT-067-IDWGW-20241024	AQ		X	10/24/24	14:00	5	2	1	1	1						
3.	TT-068-IDWGW-20241024	AQ		X	10/24/24	14:05	5	2	1	1	1						
4.	TT-069-IDWGW-20241024	AQ		X	10/24/24	14:10	5	2	1	1	1						
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. <u>Dai</u>	DATE/TIME 10/24/24 15:00	RECEIVED BY 1. <u>[Signature]</u> 15:30	Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp <u>30°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler? <u>yes</u>	
RELINQUISHED BY 2. <u>[Signature]</u>	DATE/TIME	RECEIVED BY	Comments: 48hr TAT - CTO-WE13 Drilling GW IDW Sampling - Frac Tank #3291 (TT-050)	
RELINQUISHED BY 3. <u>[Signature]</u>	DATE/TIME 10-24-2024	RECEIVED FOR LAB BY <u>[Signature]</u>	Page <u>1</u> of <u>1</u>	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight
			Shipment Complete ☐ YES ☐ NO	

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4549	TETR06	Order Date : 10/24/2024 4:00:00 PM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : CTO WE13	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 10/24/2024 12:00:00 AM 19:05	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ernie Wu			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4549-01	TT-TB-20241024	Water	10/24/2024	10:00					
					VOCMS Group4		624.1		2 Bus. Days
P4549-02	TT-067-IDWGW-20241024	Water	10/24/2024	14:00					
					VOCMS Group4		624.1		2 Bus. Days
P4549-03	TT-068-IDWGW-20241024	Water	10/24/2024	14:05					
					VOCMS Group4		624.1		2 Bus. Days
P4549-04	TT-069-IDWGW-20241024	Water	10/24/2024	14:10					
					VOCMS Group4		624.1		2 Bus. Days

Relinquished By :



Date / Time : 10/25/24 0900

Received By :



Date / Time : 10/25/24 0900 12845

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
 Data File : PO107188.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:39
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:26:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.374	3.644	43726312	14311070	4.709	4.273
2) SA Decachlor...	10.060	8.639	11883434	20293488	4.760	7.287 #
Target Compounds						
3) L1 AR-1016-1	5.523	4.727	13611471	5437001	50.053	53.027
4) L1 AR-1016-2	5.544	4.745	20533666	6518003	51.607	45.165
5) L1 AR-1016-3	5.607	4.922	12202124	4010763	47.558	50.899
6) L1 AR-1016-4	5.704	4.963	8277151	3521180	40.781	53.670 #
7) L1 AR-1016-5	5.999	5.176	7989825	4017833	41.725	48.105
31) L7 AR-1260-1	7.125	6.207	13579378	16445962	52.398	106.013 #
32) L7 AR-1260-2	7.381	6.396	15650021	13333540	59.262	72.424
33) L7 AR-1260-3	7.743	6.548	10961687	9952334	60.398	57.826
34) L7 AR-1260-4	7.967	7.019	9276106	15762517	52.919	107.144 #
35) L7 AR-1260-5	8.281	7.259	17512902	32718256	61.875	97.145 #

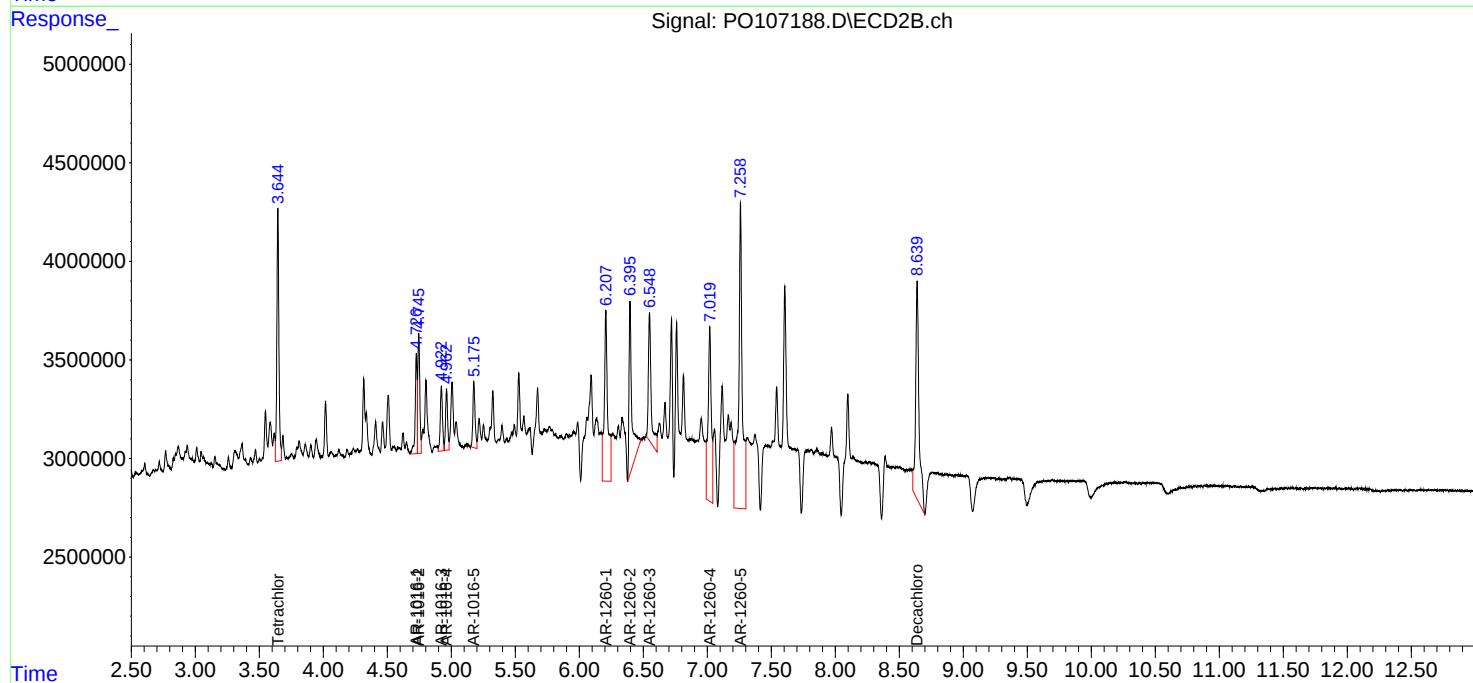
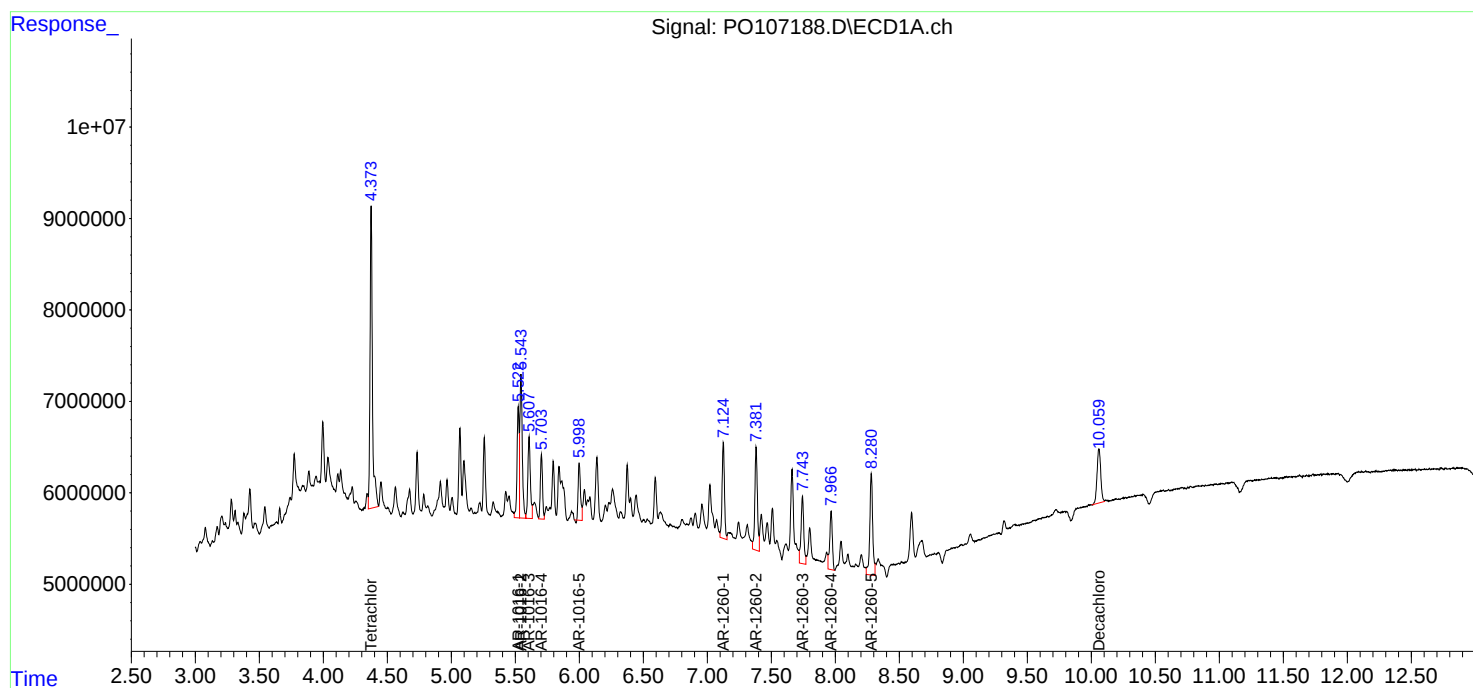
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

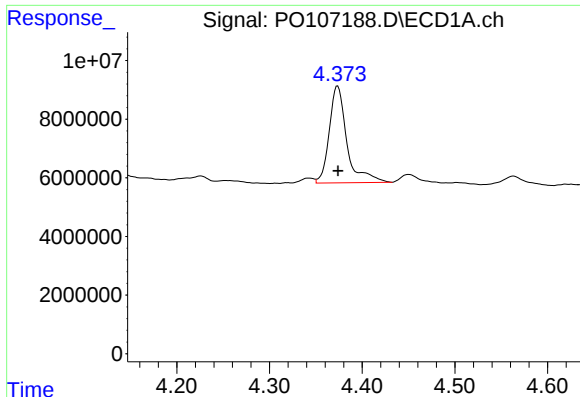
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

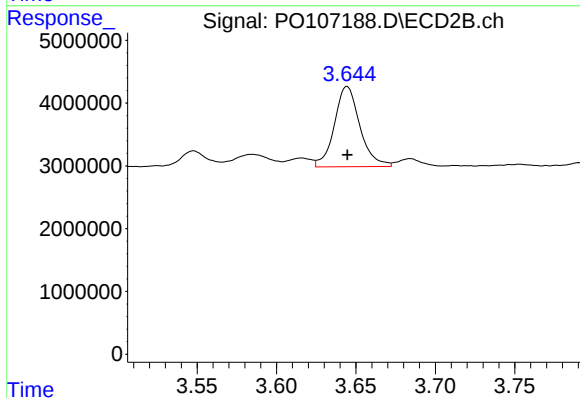




#1 Tetrachloro-m-xylene

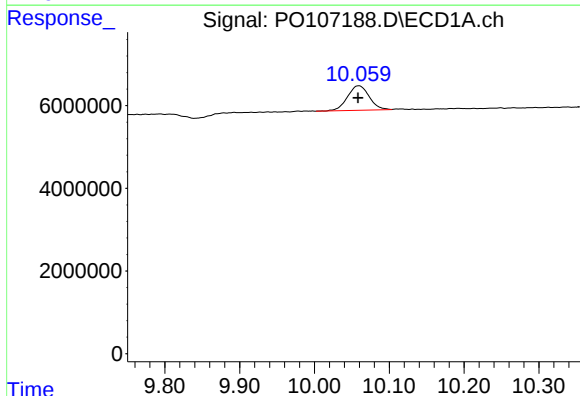
R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 43726312
Conc: 4.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



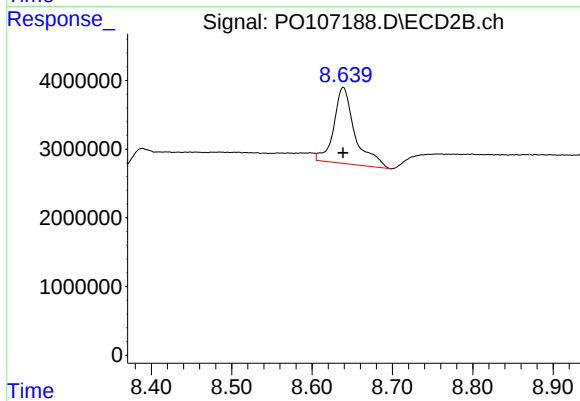
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14311070
Conc: 4.27 ng/ml



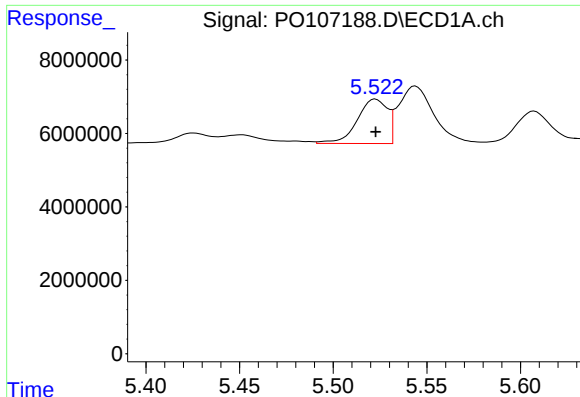
#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.001 min
Response: 11883434
Conc: 4.76 ng/ml



#2 Decachlorobiphenyl

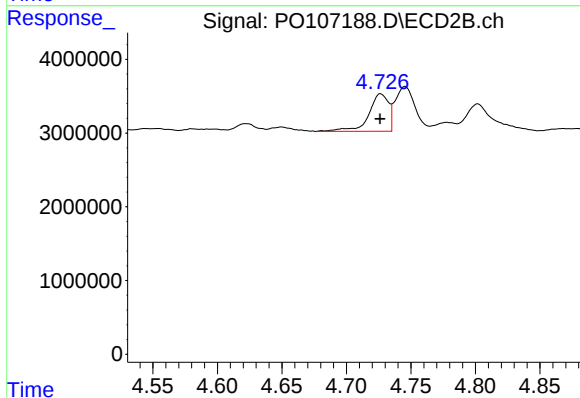
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 20293488
Conc: 7.29 ng/ml



#3 AR-1016-1

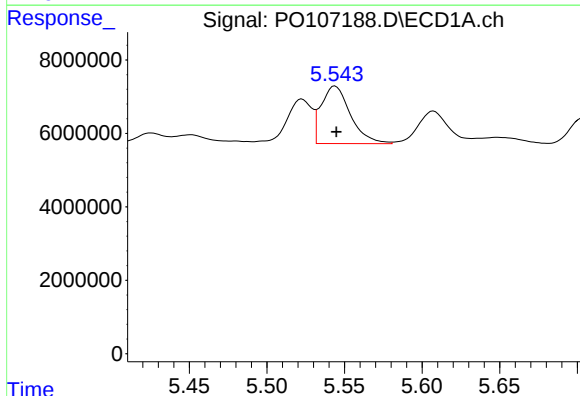
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 13611471
Conc: 50.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



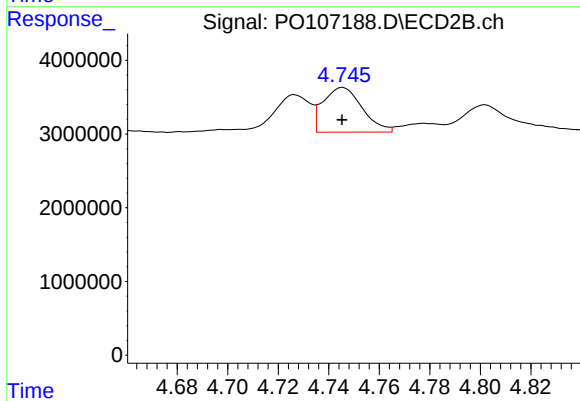
#3 AR-1016-1

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 5437001
Conc: 53.03 ng/ml



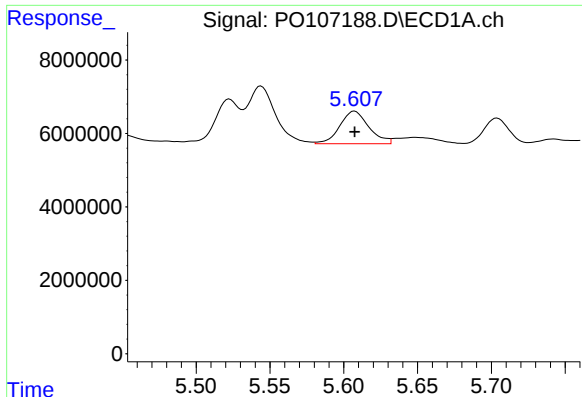
#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 20533666
Conc: 51.61 ng/ml



#4 AR-1016-2

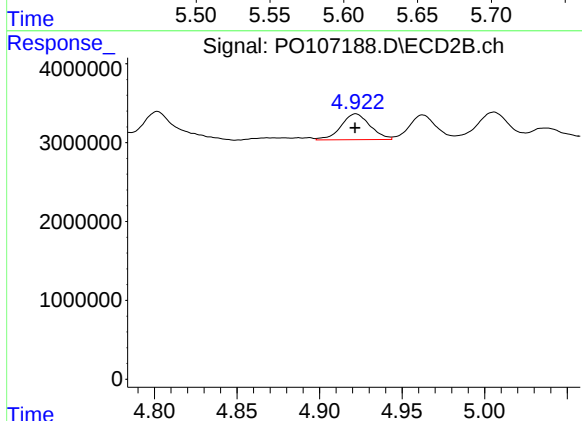
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 6518003
Conc: 45.16 ng/ml



#5 AR-1016-3

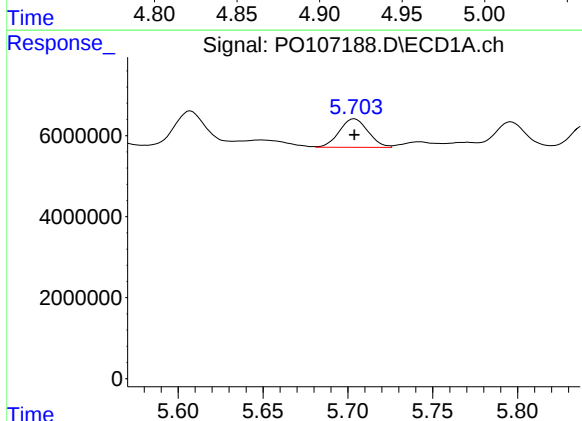
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 12202124
Conc: 47.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



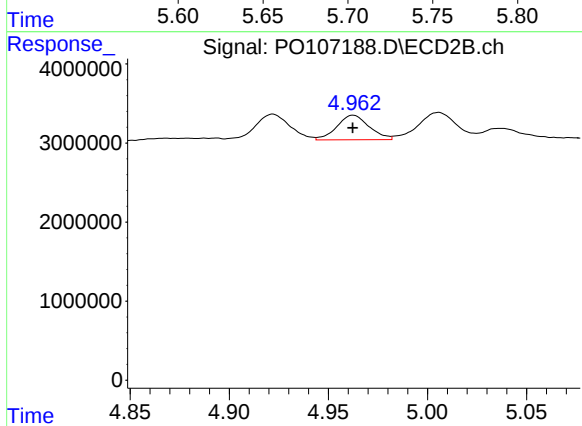
#5 AR-1016-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 4010763
Conc: 50.90 ng/ml



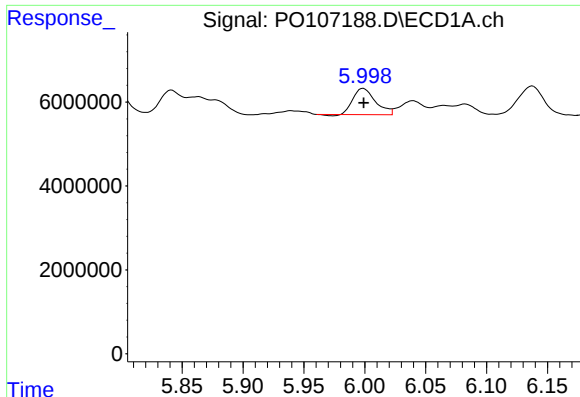
#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 8277151
Conc: 40.78 ng/ml



#6 AR-1016-4

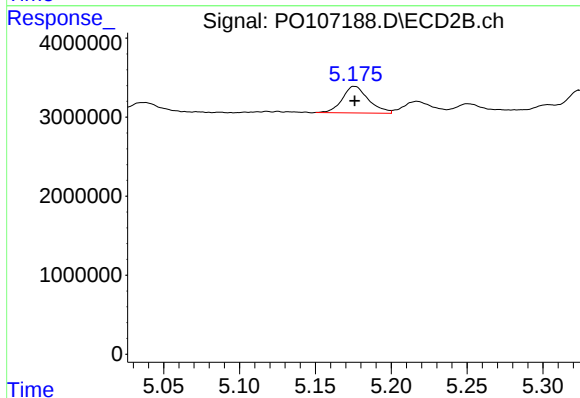
R.T.: 4.963 min
Delta R.T.: 0.000 min
Response: 3521180
Conc: 53.67 ng/ml



#7 AR-1016-5

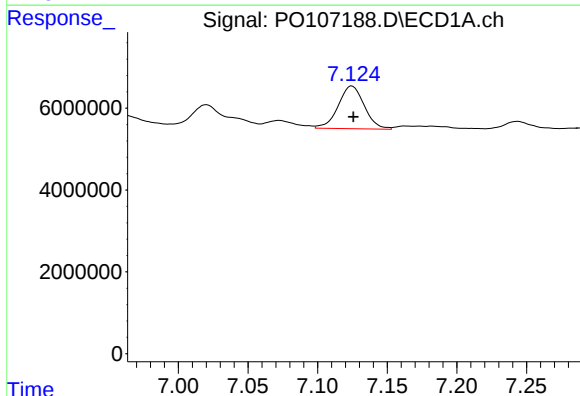
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 7989825
Conc: 41.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



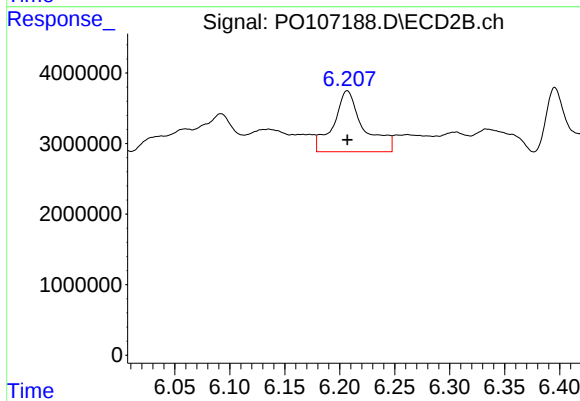
#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 4017833
Conc: 48.10 ng/ml



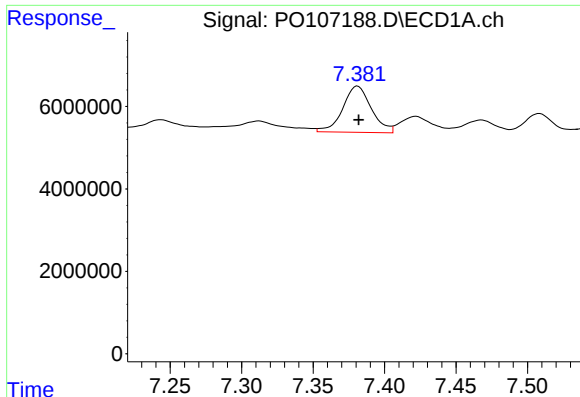
#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 13579378
Conc: 52.40 ng/ml



#31 AR-1260-1

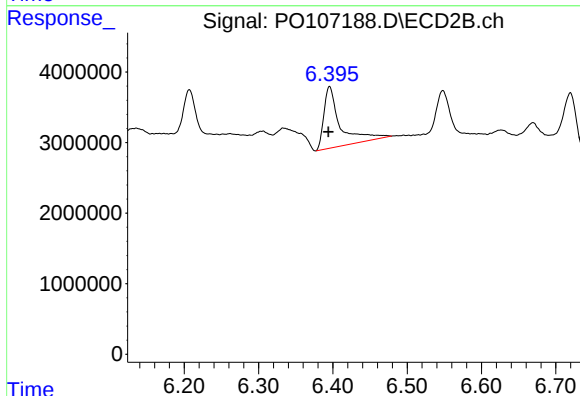
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 16445962
Conc: 106.01 ng/ml



#32 AR-1260-2

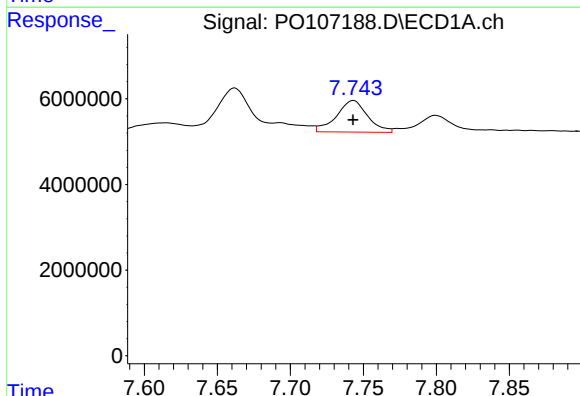
R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 15650021
Conc: 59.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



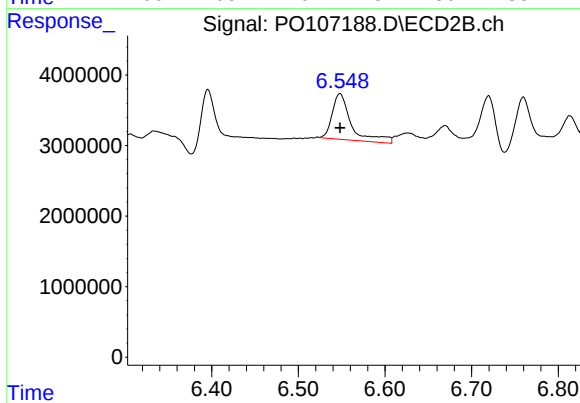
#32 AR-1260-2

R.T.: 6.396 min
Delta R.T.: 0.002 min
Response: 13333540
Conc: 72.42 ng/ml



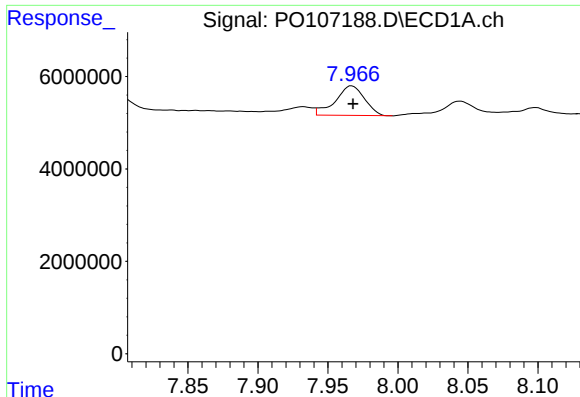
#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 10961687
Conc: 60.40 ng/ml



#33 AR-1260-3

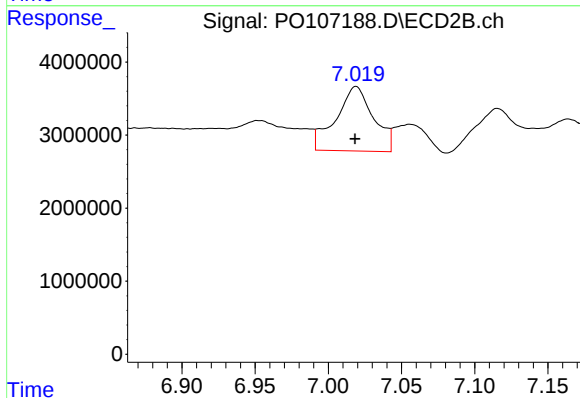
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 9952334
Conc: 57.83 ng/ml



#34 AR-1260-4

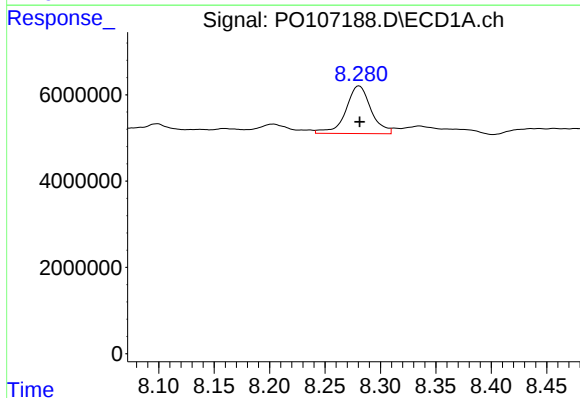
R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 9276106
Conc: 52.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



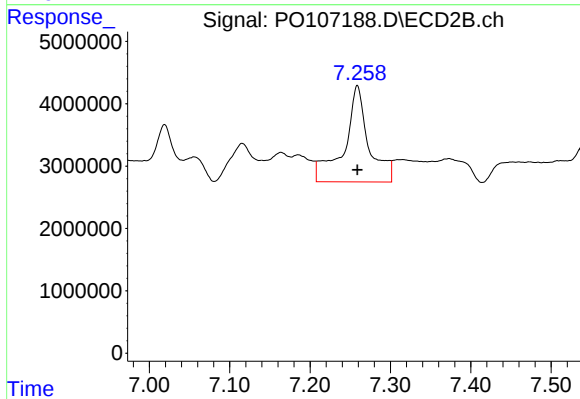
#34 AR-1260-4

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 15762517
Conc: 107.14 ng/ml



#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 17512902
Conc: 61.88 ng/ml



#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 32718256
Conc: 97.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO101524\
 Data File : PO107211.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 02:36
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1268ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:22:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.645	44759505	14819032	4.807	4.338
2) SA Decachlor...	10.056	8.638	20020423	22152727	4.720	4.593
Target Compounds						
41) L9 AR-1268-1	8.588	7.541	18421323	18447765	50.522	44.575
42) L9 AR-1268-2	8.679	7.606	16014978	16717280	49.298	43.589
43) L9 AR-1268-3	8.908	7.811	13783097	15350219	48.769	45.209
44) L9 AR-1268-4	9.314	8.097	5072917	5687474	44.222	44.683
45) L9 AR-1268-5	9.723	8.385	39053378	42842014	46.104	42.123

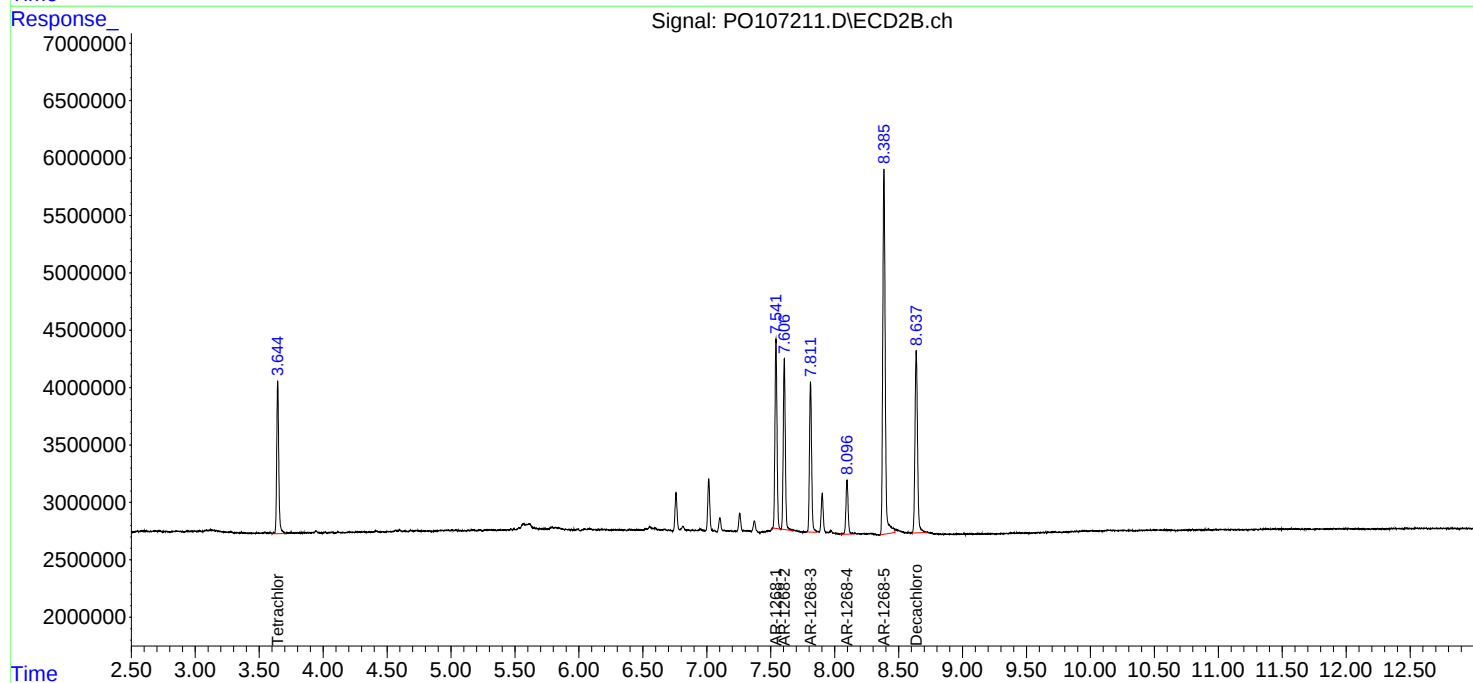
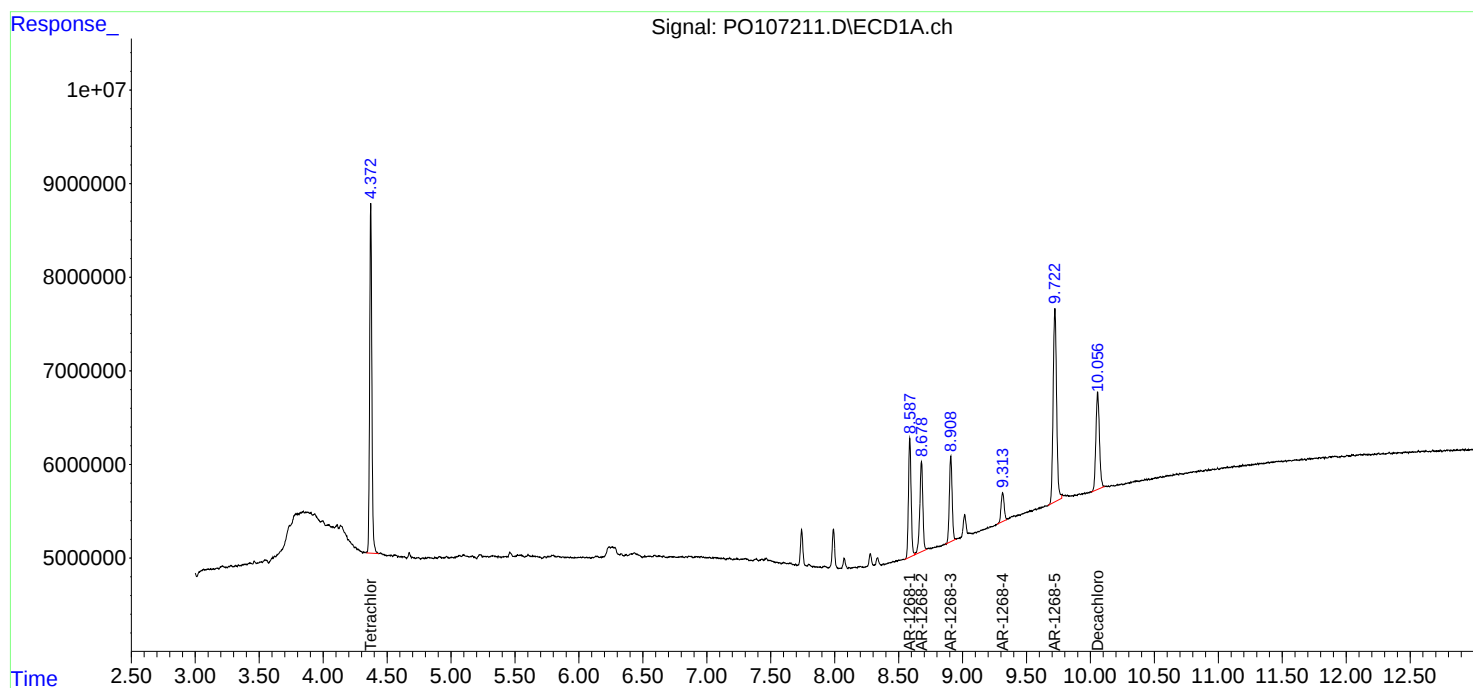
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

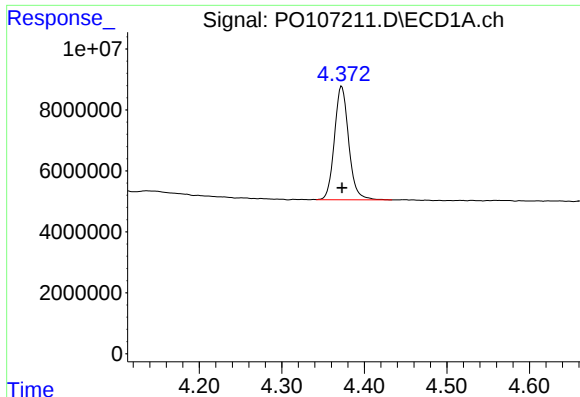
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

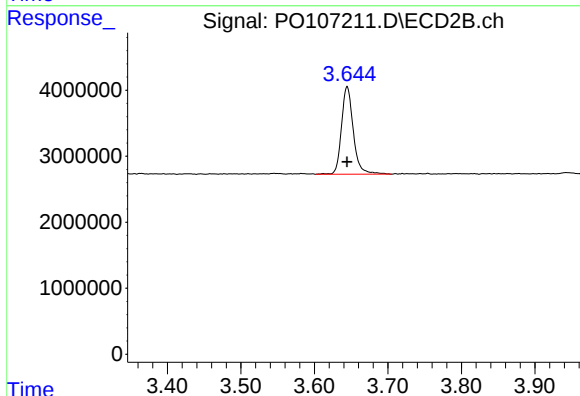




#1 Tetrachloro-m-xylene

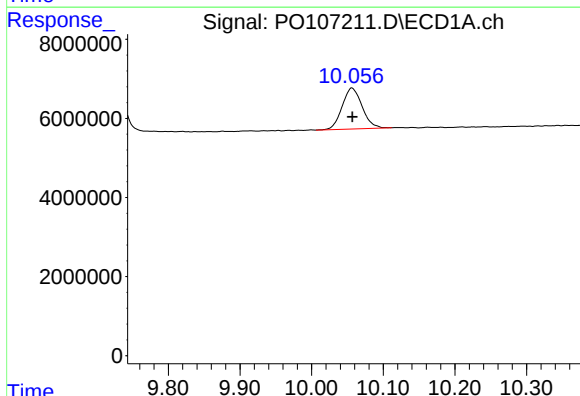
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 44759505
Conc: 4.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



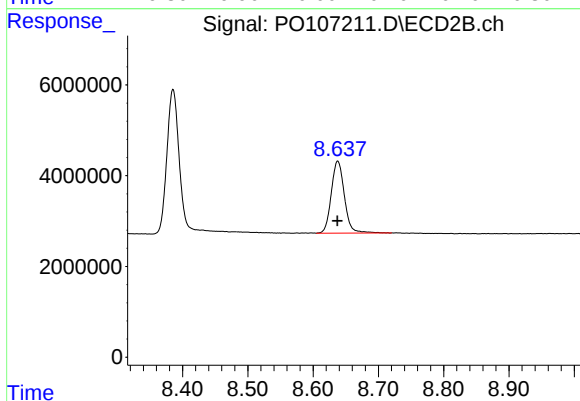
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 14819032
Conc: 4.34 ng/ml



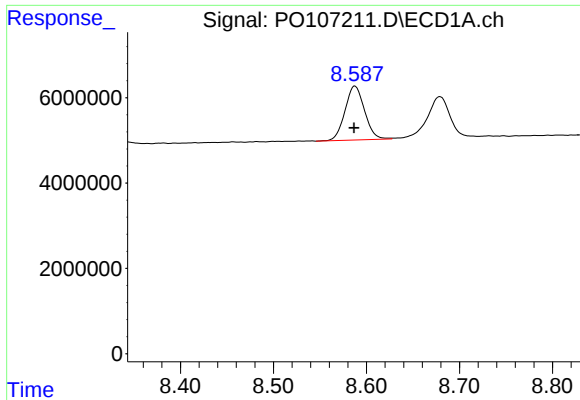
#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: 0.000 min
Response: 20020423
Conc: 4.72 ng/ml



#2 Decachlorobiphenyl

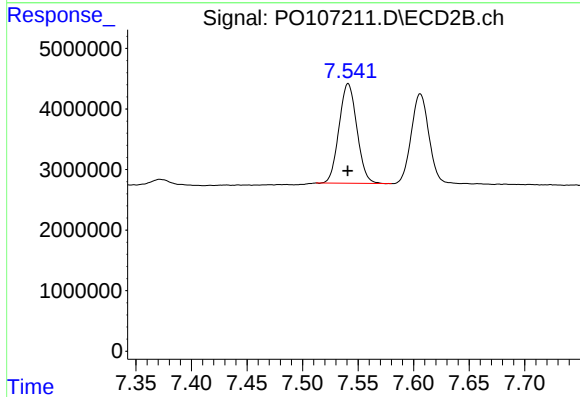
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 22152727
Conc: 4.59 ng/ml



#41 AR-1268-1

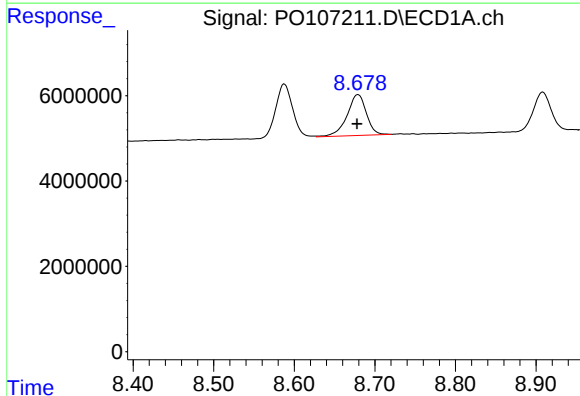
R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 18421323
Conc: 50.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



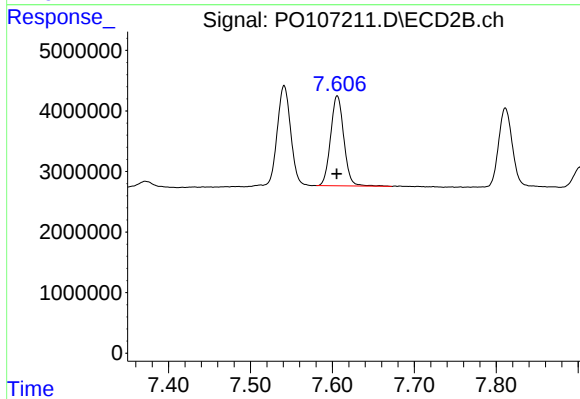
#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 18447765
Conc: 44.57 ng/ml



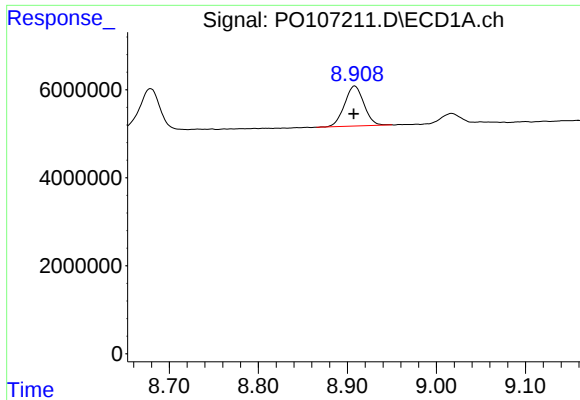
#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 16014978
Conc: 49.30 ng/ml



#42 AR-1268-2

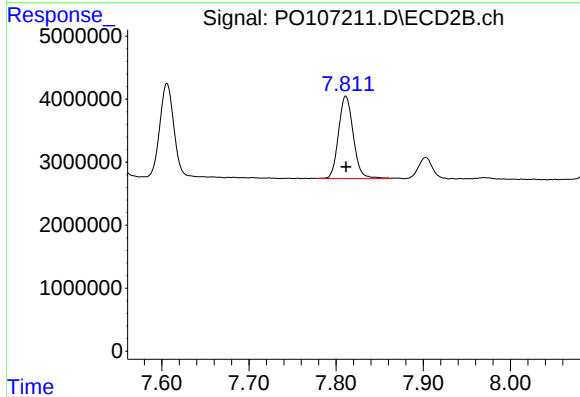
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 16717280
Conc: 43.59 ng/ml



#43 AR-1268-3

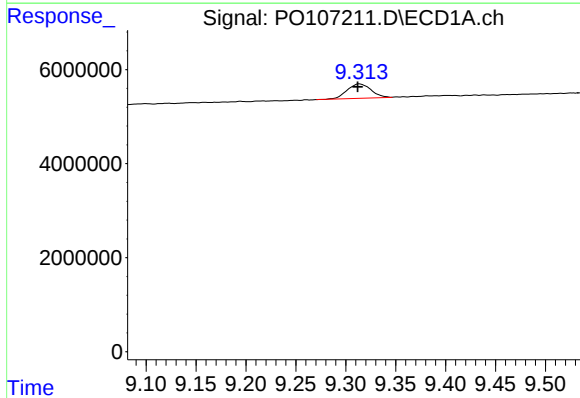
R.T.: 8.908 min
Delta R.T.: 0.001 min
Response: 13783097
Conc: 48.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



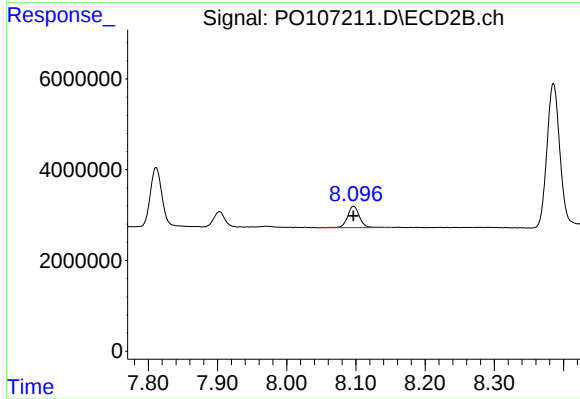
#43 AR-1268-3

R.T.: 7.811 min
Delta R.T.: 0.000 min
Response: 15350219
Conc: 45.21 ng/ml



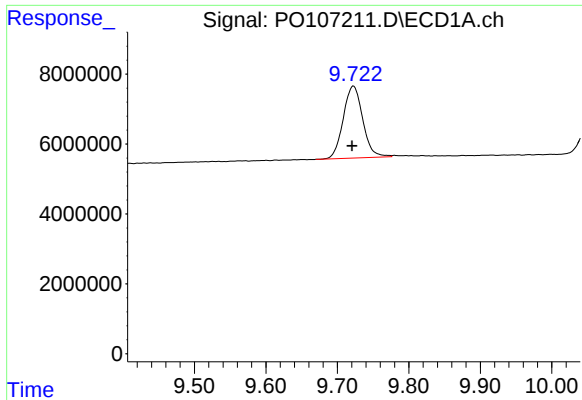
#44 AR-1268-4

R.T.: 9.314 min
Delta R.T.: 0.002 min
Response: 5072917
Conc: 44.22 ng/ml



#44 AR-1268-4

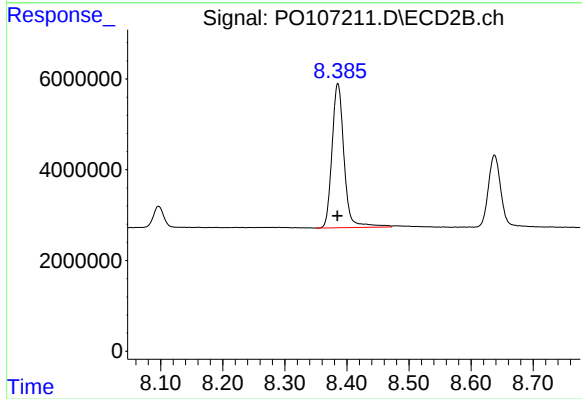
R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 5687474
Conc: 44.68 ng/ml



#45 AR-1268-5

R.T.: 9.723 min
Delta R.T.: 0.002 min
Response: 39053378
Conc: 46.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 42842014
Conc: 42.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
 Data File : PO107435.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 16:10
 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: Oct 29 01:41:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.371	3.643	434.0E6	166.4E6	47.615	51.709
2)	SA Decachlor...	10.055	8.634	116.8E6	133.4E6	47.620	48.670
Target Compounds							
3)	L1 AR-1016-1	5.519	4.724	129.8E6	54096790	480.930	523.860
4)	L1 AR-1016-2	5.542	4.743	186.2E6	74773720	469.040	530.431
5)	L1 AR-1016-3	5.604	4.919	117.9E6	40017638	469.218	508.189
6)	L1 AR-1016-4	5.701	4.960	94109529	32476524	488.597	491.262
7)	L1 AR-1016-5	5.996	5.173	88426602	42018400	484.122	511.584
8)	L2 AR-1221-1	4.566	3.854	15522243	5301480	139.190	146.273
9)	L2 AR-1221-2	4.655	3.941	22814431	8143456	278.506	279.807
10)	L2 AR-1221-3	4.730	4.016	76294966	29467365	318.839	333.938
11)	L3 AR-1232-1	4.730	4.016	76294966	29467365	389.571	437.675
12)	L3 AR-1232-2	5.255	4.743	99803902	74773720	968.733	1183.029
13)	L3 AR-1232-3	5.542	4.919	186.2E6	40017638	1039.968	1160.775
14)	L3 AR-1232-4	5.701	5.002	94109529	38710834	1043.742	1230.245
15)	L3 AR-1232-5	5.793	5.173	86266765	42018400	1308.992	1270.078
16)	L4 AR-1242-1	5.519	4.724	129.8E6	54096790	580.222	645.983
17)	L4 AR-1242-2	5.542	4.743	186.2E6	74773720	575.404	646.614
18)	L4 AR-1242-3	5.604	4.919	117.9E6	40017638	563.954	630.862
19)	L4 AR-1242-4	5.701	5.002	94109529	38710834	588.164	604.391
20)	L4 AR-1242-5	6.435	5.524	24575203	39037358	157.048	503.555 #
21)	L5 AR-1248-1	5.519	4.724	129.8E6	54096790	746.287	852.708
22)	L5 AR-1248-2	5.793	4.960	86266765	32476524	340.941	354.993
23)	L5 AR-1248-3	5.996	5.002	88426602	38710834	345.840	405.803
24)	L5 AR-1248-4	6.396	5.173	28188999	42018400	109.335	374.701 #
25)	L5 AR-1248-5	6.435	5.565	24575203	8369842	94.504	75.903
26)	L6 AR-1254-1	6.372	5.524	71384165	39037358	265.617	236.894
27)	L6 AR-1254-2	6.591	5.671	62576232	25594360	165.806	176.558
28)	L6 AR-1254-3	6.955	6.088	32649098	55679433	91.250	242.485 #
29)	L6 AR-1254-4	7.241	6.301	21946803	7797028	95.664	60.244 #
30)	L6 AR-1254-5	7.659	6.717	126.2E6	100.9E6	607.690	528.027
31)	L7 AR-1260-1	7.123	6.204	118.8E6	76628986	459.277	493.888
32)	L7 AR-1260-2	7.379	6.390	125.3E6	92588971	476.132	525.728
33)	L7 AR-1260-3	7.741	6.544	84558116	85138903	470.433	507.540
34)	L7 AR-1260-4	7.965	7.014	81688411	71275922	465.451	492.643
35)	L7 AR-1260-5	8.277	7.255	136.8E6	173.8E6	480.940	527.570
36)	L8 AR-1262-1	7.741	6.756	84558116	77258526	344.365	362.926
37)	L8 AR-1262-2	8.277	7.255	136.8E6	173.8E6	442.042	478.358
38)	L8 AR-1262-3	8.594	7.537	87391977	34308520	417.751	249.727 #
39)	L8 AR-1262-4	8.674	7.601	57011665	122.1E6	349.623	461.345 #
40)	L8 AR-1262-5	9.312	8.093	39435014	42692130	383.744	378.367
41)	L9 AR-1268-1	8.594	7.537	87391977	34308520	240.083	84.802 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102824\
Data File : PO107435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

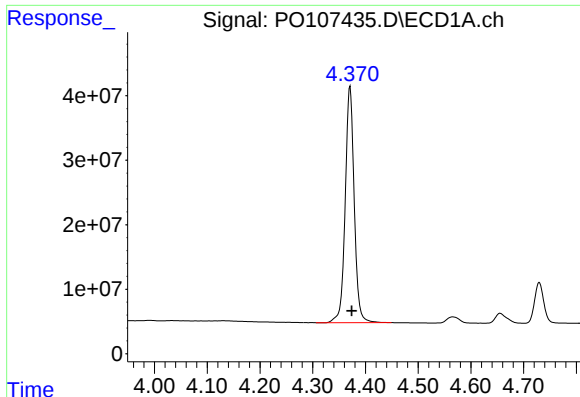
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42)	L9 AR-1268-2	8.674	7.601	57011665	122.1E6	176.793	327.004 #
43)	L9 AR-1268-3	8.906	7.808	1606137	2083464	5.749	6.244
44)	L9 AR-1268-4	9.312	8.093	39435014	42692130	354.569	340.530
45)	L9 AR-1268-5	9.720	8.382	11140812	11564023	13.383	11.707

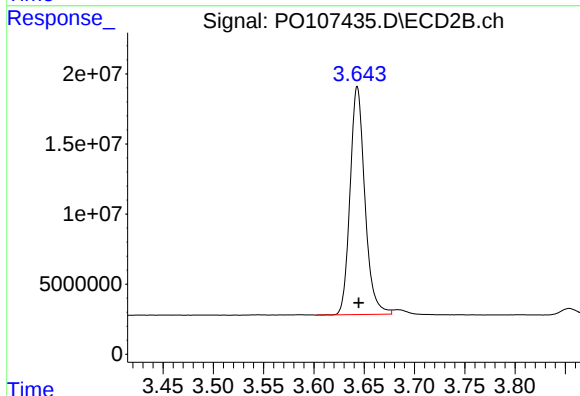
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

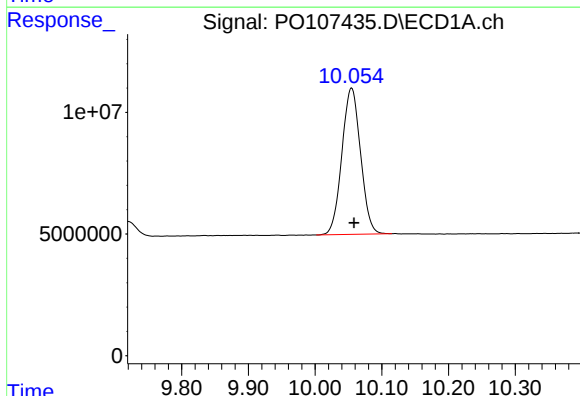
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 433953904
Conc: 47.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



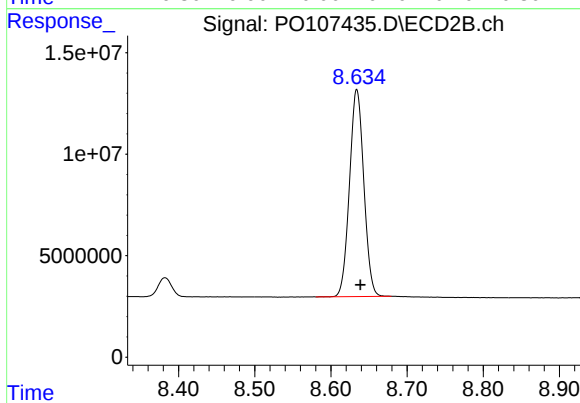
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 166426707
Conc: 51.71 ng/ml



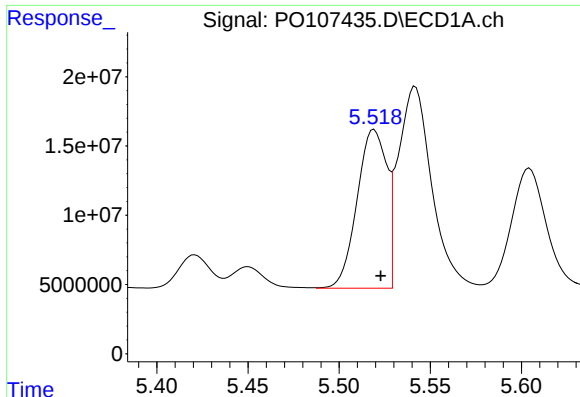
#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.004 min
Response: 116829290
Conc: 47.62 ng/ml



#2 Decachlorobiphenyl

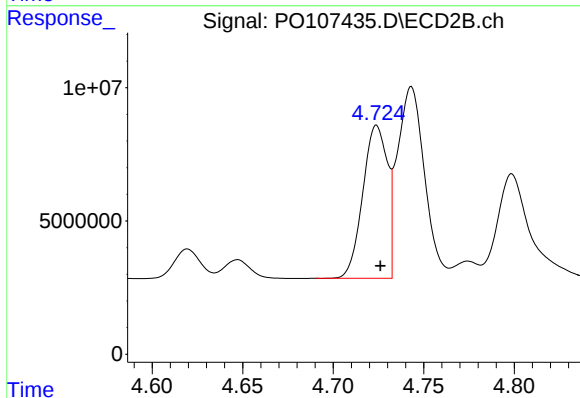
R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 133434615
Conc: 48.67 ng/ml



#3 AR-1016-1

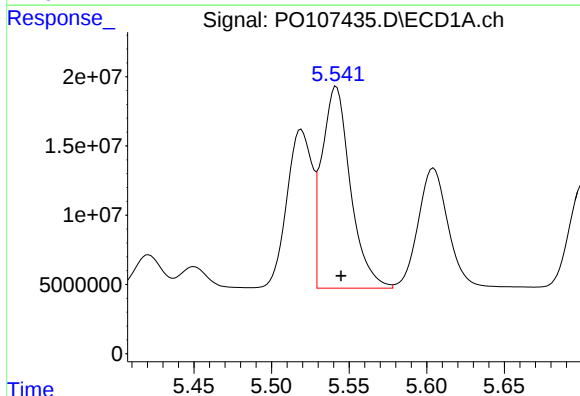
R.T.: 5.519 min
Delta R.T.: -0.004 min
Response: 129761733
Conc: 480.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



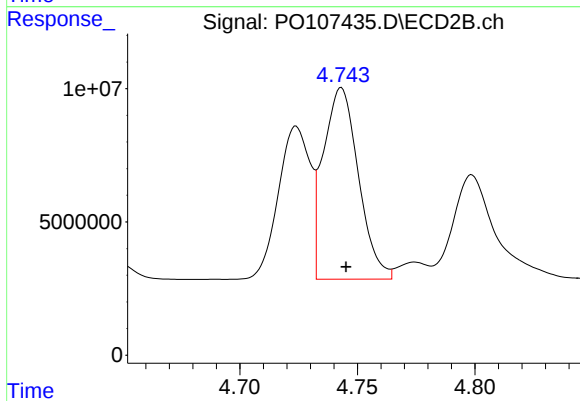
#3 AR-1016-1

R.T.: 4.724 min
Delta R.T.: -0.002 min
Response: 54096790
Conc: 523.86 ng/ml



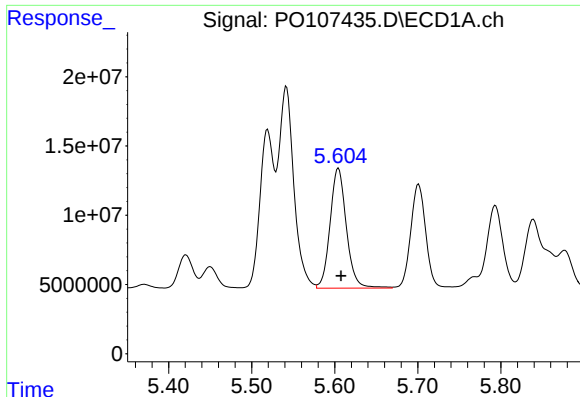
#4 AR-1016-2

R.T.: 5.542 min
Delta R.T.: -0.003 min
Response: 186154922
Conc: 469.04 ng/ml



#4 AR-1016-2

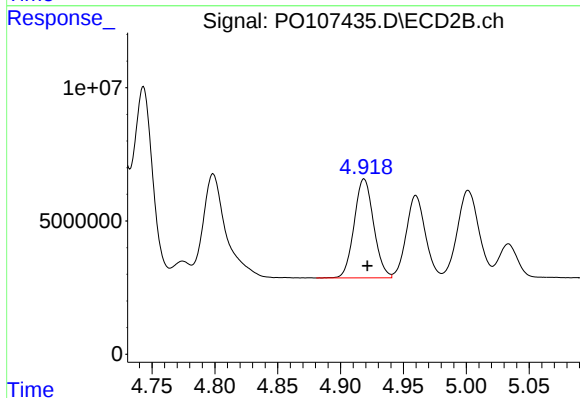
R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 74773720
Conc: 530.43 ng/ml



#5 AR-1016-3

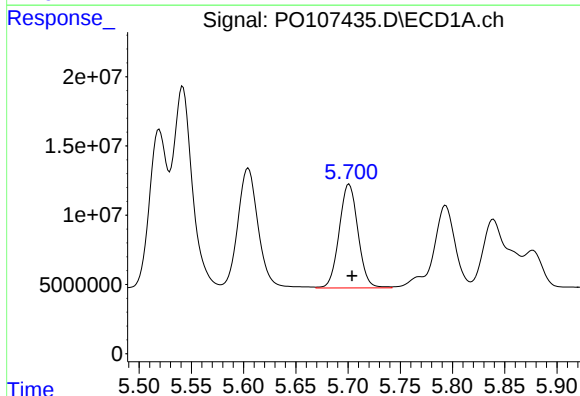
R.T.: 5.604 min
Delta R.T.: -0.003 min
Response: 117853358
Conc: 469.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



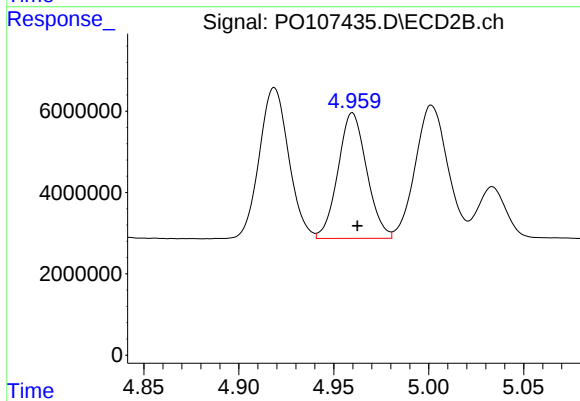
#5 AR-1016-3

R.T.: 4.919 min
Delta R.T.: -0.003 min
Response: 40017638
Conc: 508.19 ng/ml



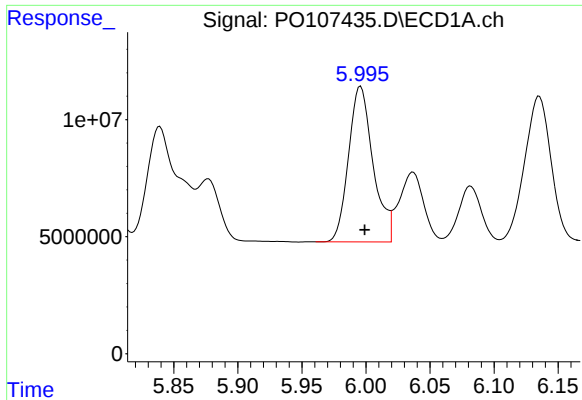
#6 AR-1016-4

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 94109529
Conc: 488.60 ng/ml



#6 AR-1016-4

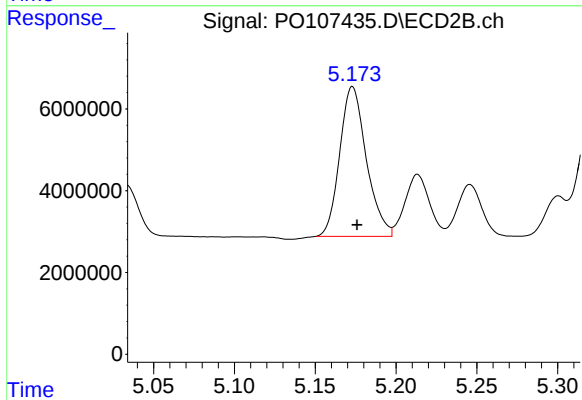
R.T.: 4.960 min
Delta R.T.: -0.002 min
Response: 32476524
Conc: 491.26 ng/ml



#7 AR-1016-5

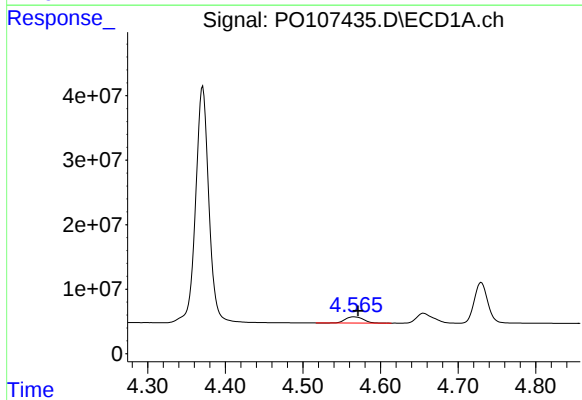
R.T.: 5.996 min
Delta R.T.: -0.003 min
Response: 88426602
Conc: 484.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



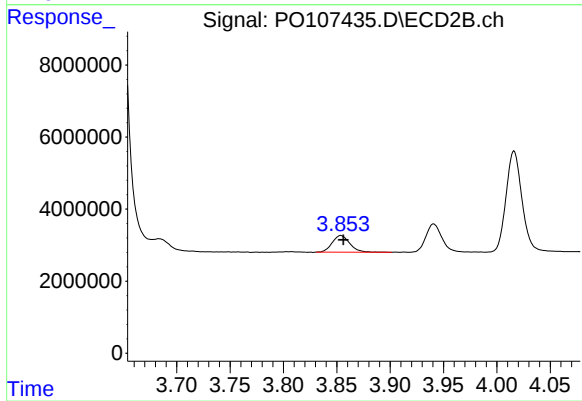
#7 AR-1016-5

R.T.: 5.173 min
Delta R.T.: -0.003 min
Response: 42018400
Conc: 511.58 ng/ml



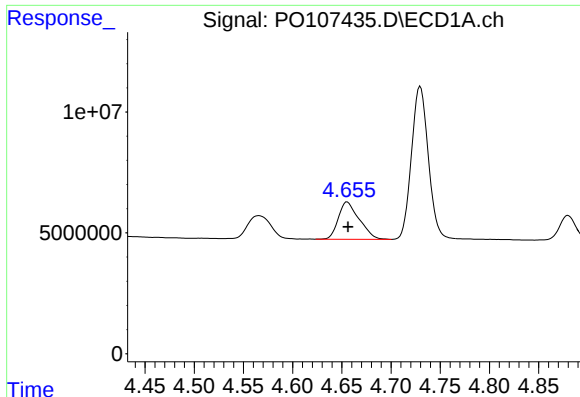
#8 AR-1221-1

R.T.: 4.566 min
Delta R.T.: -0.005 min
Response: 15522243
Conc: 139.19 ng/ml



#8 AR-1221-1

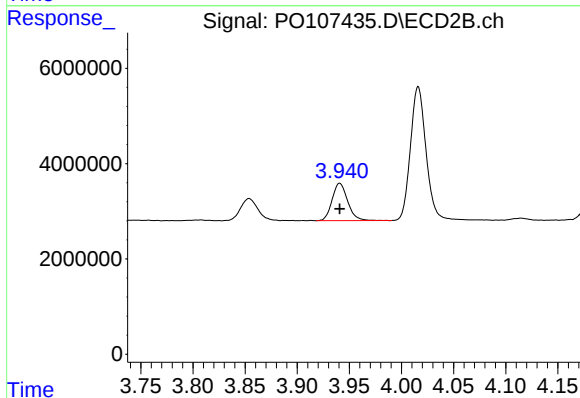
R.T.: 3.854 min
Delta R.T.: -0.002 min
Response: 5301480
Conc: 146.27 ng/ml



#9 AR-1221-2

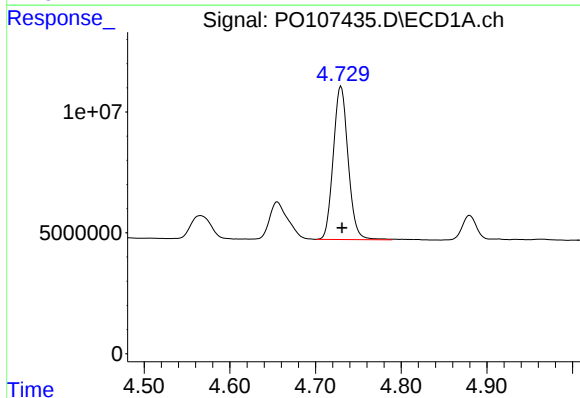
R.T.: 4.655 min
Delta R.T.: 0.000 min
Response: 22814431
Conc: 278.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



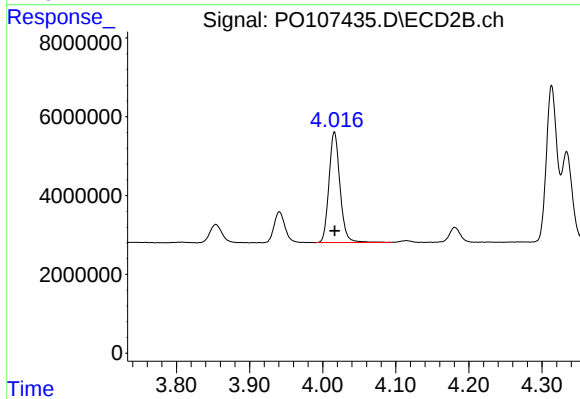
#9 AR-1221-2

R.T.: 3.941 min
Delta R.T.: 0.000 min
Response: 8143456
Conc: 279.81 ng/ml



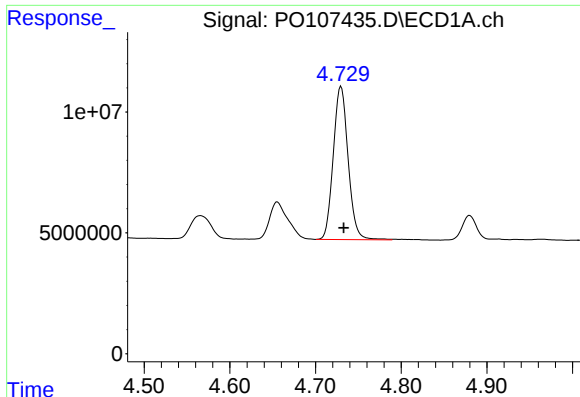
#10 AR-1221-3

R.T.: 4.730 min
Delta R.T.: -0.001 min
Response: 76294966
Conc: 318.84 ng/ml



#10 AR-1221-3

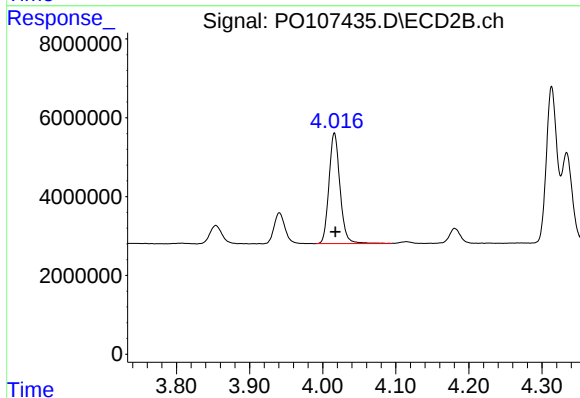
R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 29467365
Conc: 333.94 ng/ml



#11 AR-1232-1

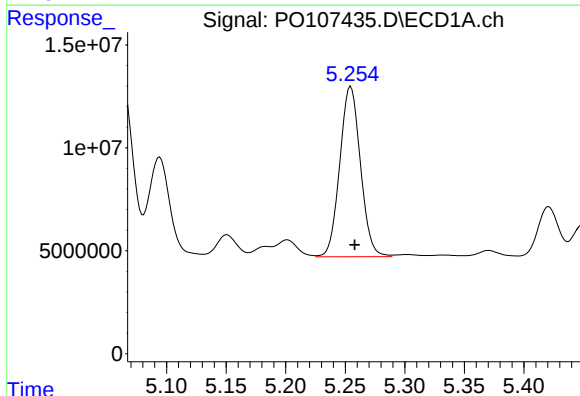
R.T.: 4.730 min
Delta R.T.: -0.003 min
Response: 76294966
Conc: 389.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



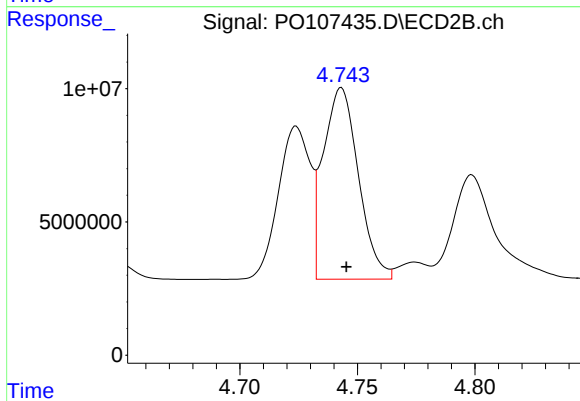
#11 AR-1232-1

R.T.: 4.016 min
Delta R.T.: -0.001 min
Response: 29467365
Conc: 437.68 ng/ml



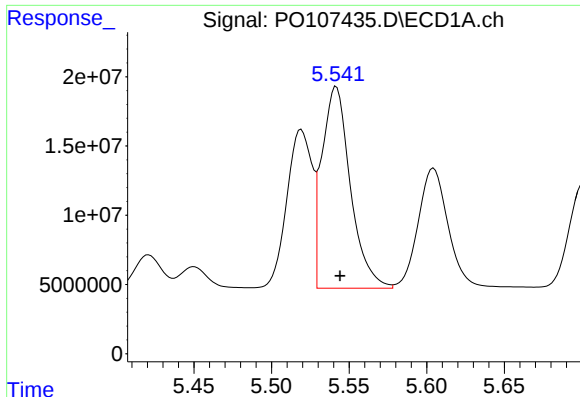
#12 AR-1232-2

R.T.: 5.255 min
Delta R.T.: -0.003 min
Response: 99803902
Conc: 968.73 ng/ml



#12 AR-1232-2

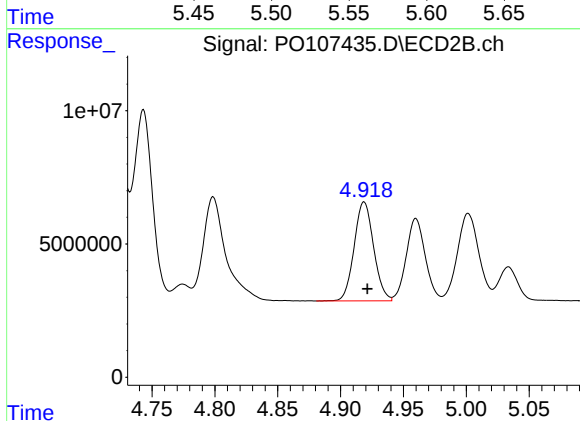
R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 74773720
Conc: 1183.03 ng/ml



#13 AR-1232-3

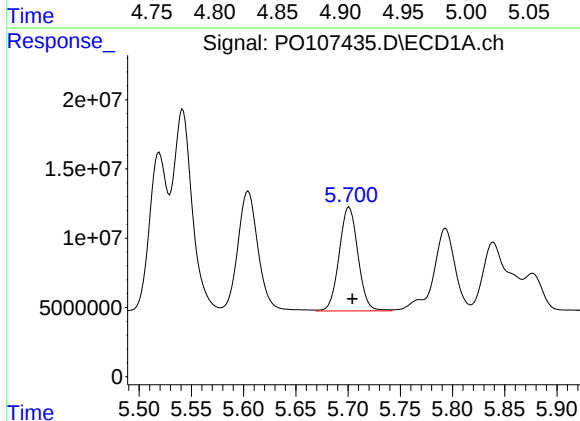
R.T.: 5.542 min
Delta R.T.: -0.002 min
Response: 186154922
Conc: 1039.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



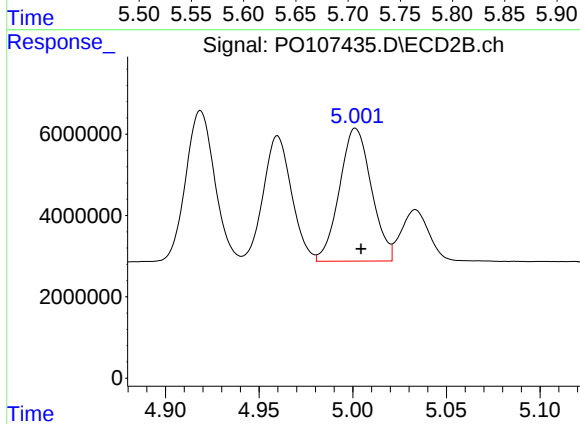
#13 AR-1232-3

R.T.: 4.919 min
Delta R.T.: -0.003 min
Response: 40017638
Conc: 1160.78 ng/ml



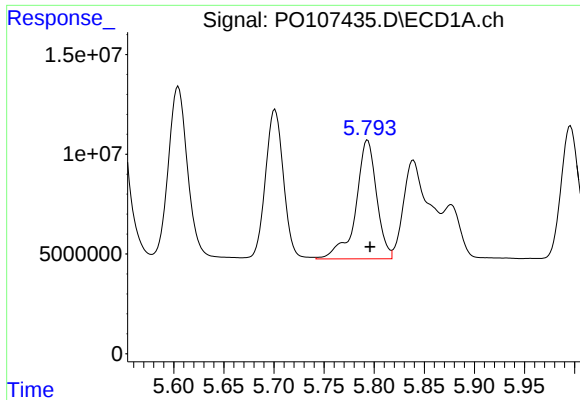
#14 AR-1232-4

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 94109529
Conc: 1043.74 ng/ml



#14 AR-1232-4

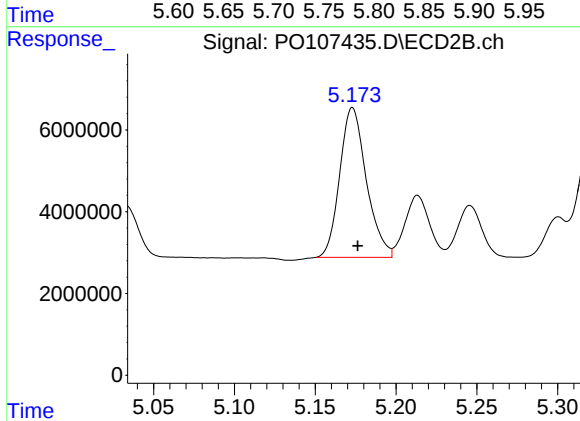
R.T.: 5.002 min
Delta R.T.: -0.003 min
Response: 38710834
Conc: 1230.24 ng/ml



#15 AR-1232-5

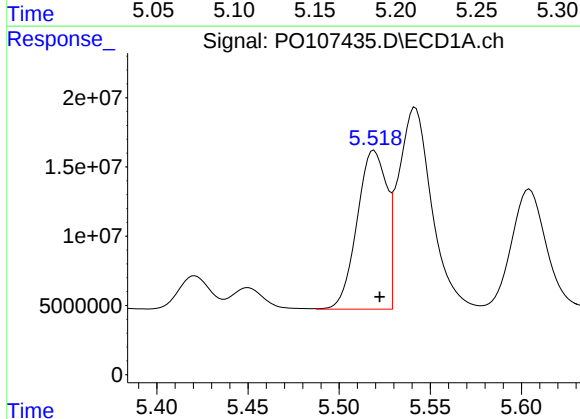
R.T.: 5.793 min
Delta R.T.: -0.003 min
Response: 86266765
Conc: 1308.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



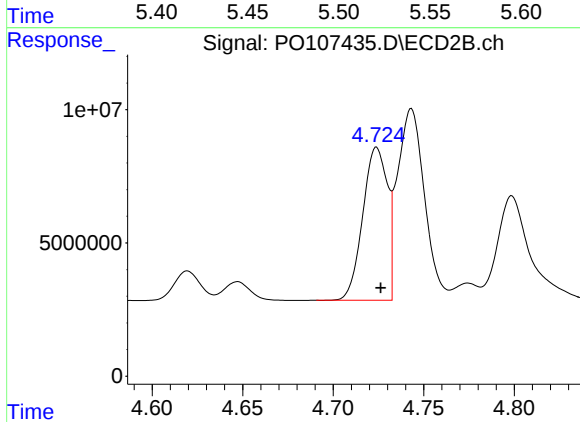
#15 AR-1232-5

R.T.: 5.173 min
Delta R.T.: -0.003 min
Response: 42018400
Conc: 1270.08 ng/ml



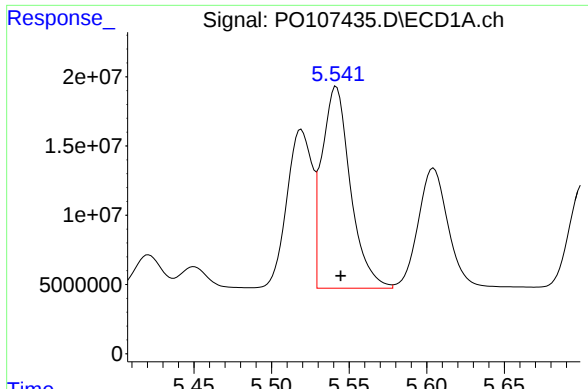
#16 AR-1242-1

R.T.: 5.519 min
Delta R.T.: -0.003 min
Response: 129761733
Conc: 580.22 ng/ml



#16 AR-1242-1

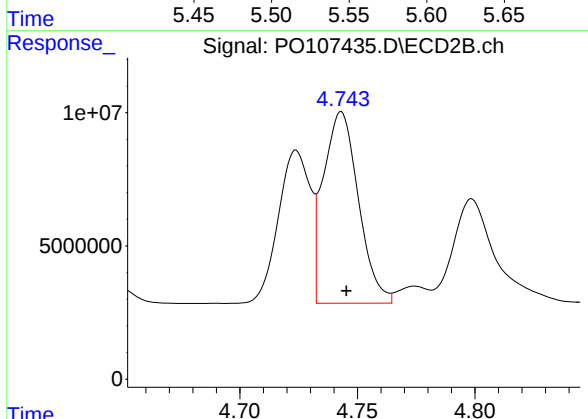
R.T.: 4.724 min
Delta R.T.: -0.002 min
Response: 54096790
Conc: 645.98 ng/ml



#17 AR-1242-2

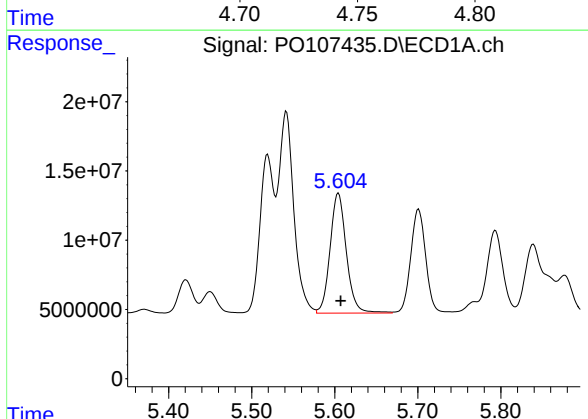
R.T.: 5.542 min
Delta R.T.: -0.003 min
Response: 186154922
Conc: 575.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



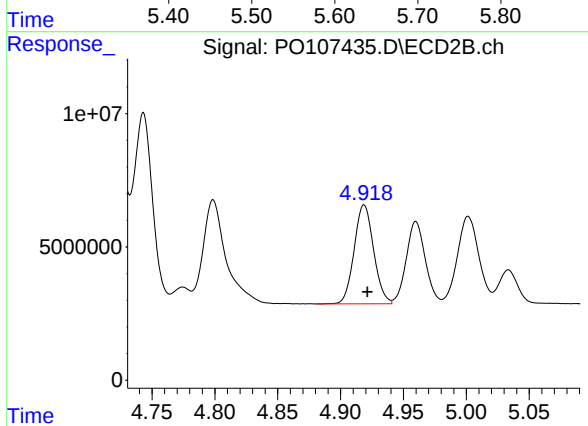
#17 AR-1242-2

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 74773720
Conc: 646.61 ng/ml



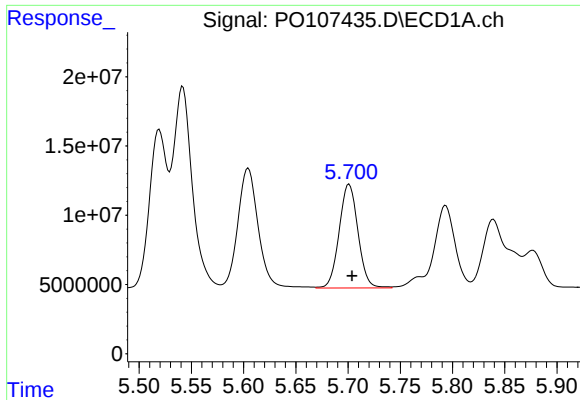
#18 AR-1242-3

R.T.: 5.604 min
Delta R.T.: -0.003 min
Response: 117853358
Conc: 563.95 ng/ml



#18 AR-1242-3

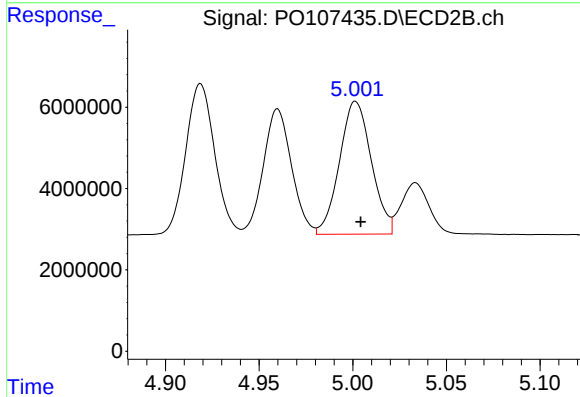
R.T.: 4.919 min
Delta R.T.: -0.003 min
Response: 40017638
Conc: 630.86 ng/ml



#19 AR-1242-4

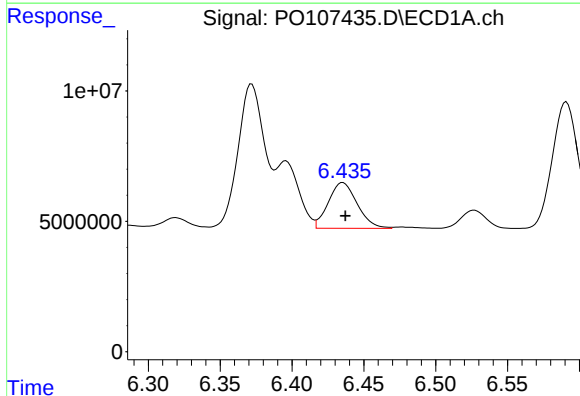
R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 94109529
Conc: 588.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



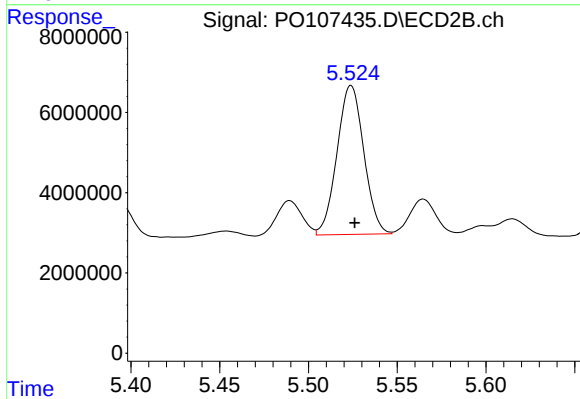
#19 AR-1242-4

R.T.: 5.002 min
Delta R.T.: -0.003 min
Response: 38710834
Conc: 604.39 ng/ml



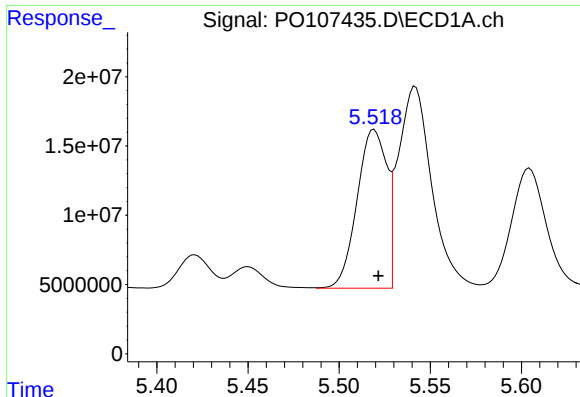
#20 AR-1242-5

R.T.: 6.435 min
Delta R.T.: -0.002 min
Response: 24575203
Conc: 157.05 ng/ml



#20 AR-1242-5

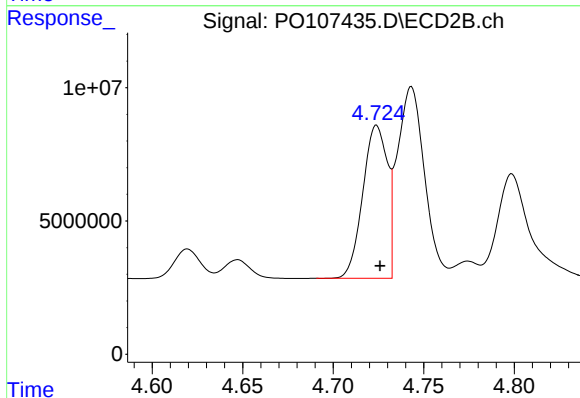
R.T.: 5.524 min
Delta R.T.: -0.002 min
Response: 39037358
Conc: 503.56 ng/ml



#21 AR-1248-1

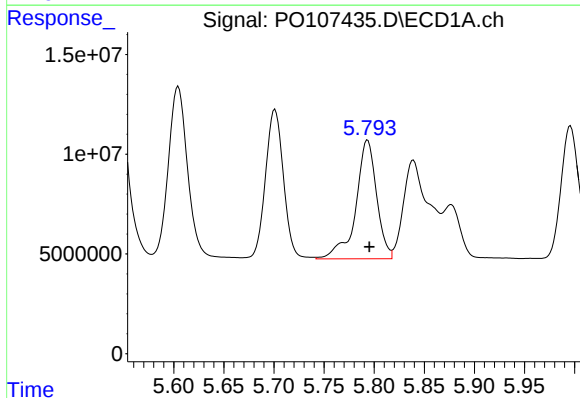
R.T.: 5.519 min
Delta R.T.: -0.002 min
Response: 129761733
Conc: 746.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



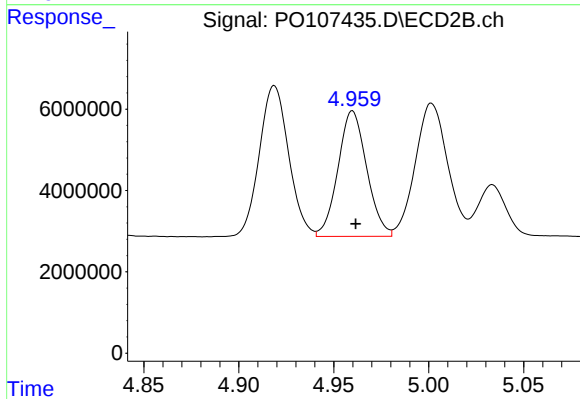
#21 AR-1248-1

R.T.: 4.724 min
Delta R.T.: -0.002 min
Response: 54096790
Conc: 852.71 ng/ml



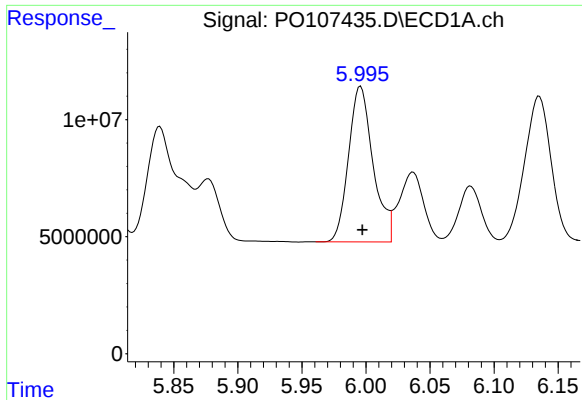
#22 AR-1248-2

R.T.: 5.793 min
Delta R.T.: -0.002 min
Response: 86266765
Conc: 340.94 ng/ml



#22 AR-1248-2

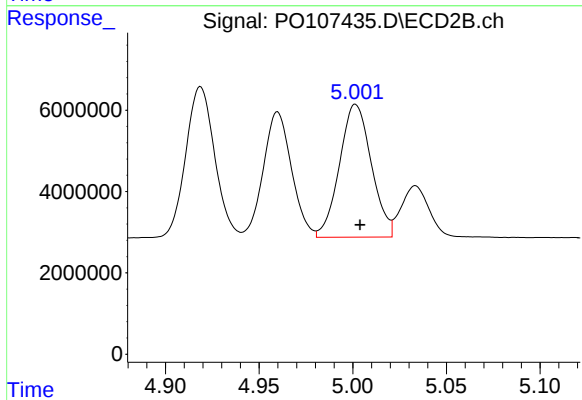
R.T.: 4.960 min
Delta R.T.: -0.002 min
Response: 32476524
Conc: 354.99 ng/ml



#23 AR-1248-3

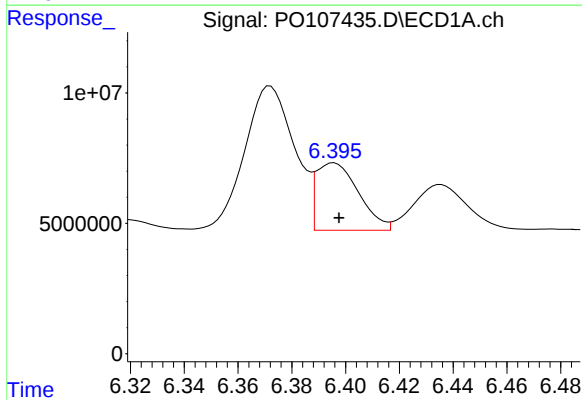
R.T.: 5.996 min
Delta R.T.: -0.001 min
Response: 88426602
Conc: 345.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



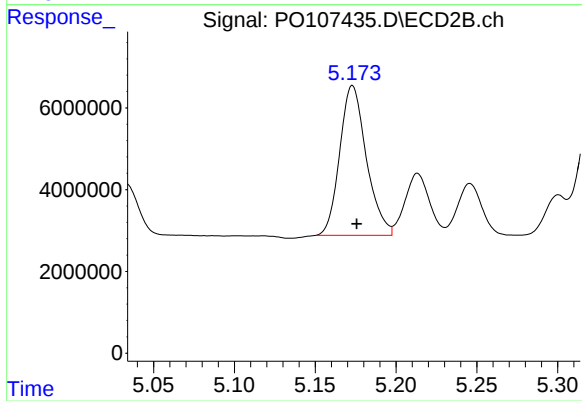
#23 AR-1248-3

R.T.: 5.002 min
Delta R.T.: -0.002 min
Response: 38710834
Conc: 405.80 ng/ml



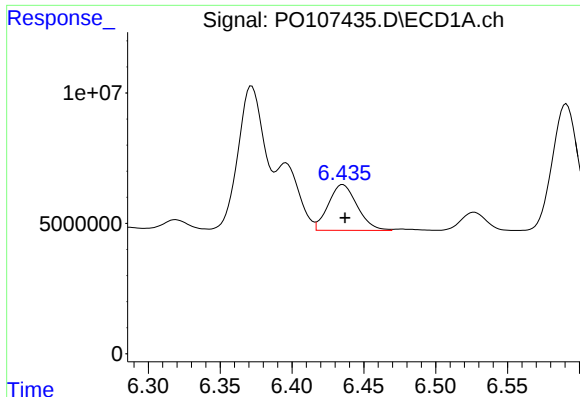
#24 AR-1248-4

R.T.: 6.396 min
Delta R.T.: -0.002 min
Response: 28188999
Conc: 109.34 ng/ml



#24 AR-1248-4

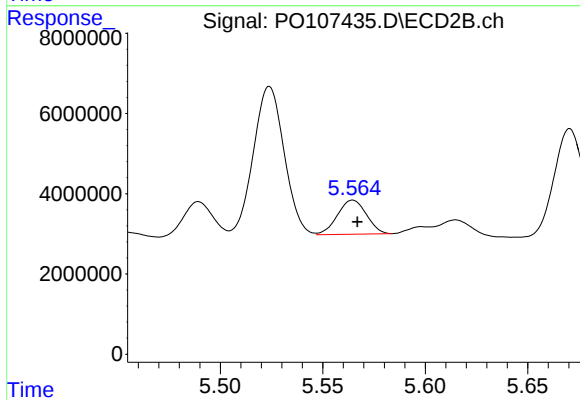
R.T.: 5.173 min
Delta R.T.: -0.003 min
Response: 42018400
Conc: 374.70 ng/ml



#25 AR-1248-5

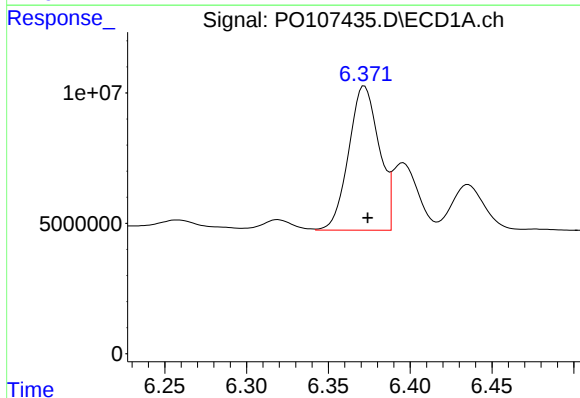
R.T.: 6.435 min
Delta R.T.: -0.002 min
Response: 24575203
Conc: 94.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



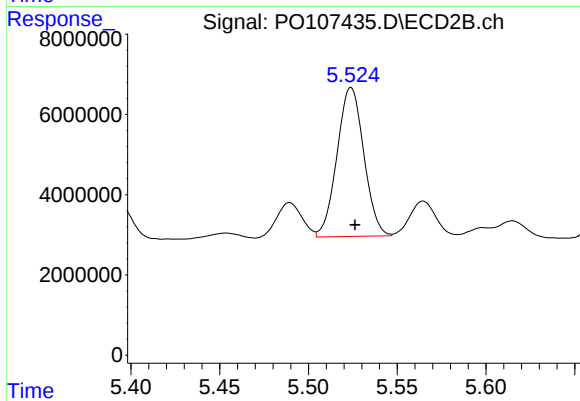
#25 AR-1248-5

R.T.: 5.565 min
Delta R.T.: -0.002 min
Response: 8369842
Conc: 75.90 ng/ml



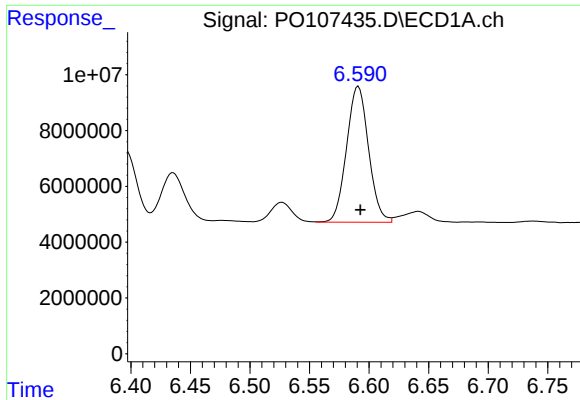
#26 AR-1254-1

R.T.: 6.372 min
Delta R.T.: -0.002 min
Response: 71384165
Conc: 265.62 ng/ml



#26 AR-1254-1

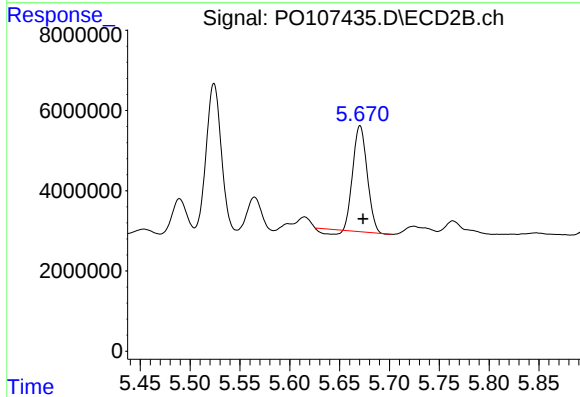
R.T.: 5.524 min
Delta R.T.: -0.002 min
Response: 39037358
Conc: 236.89 ng/ml



#27 AR-1254-2

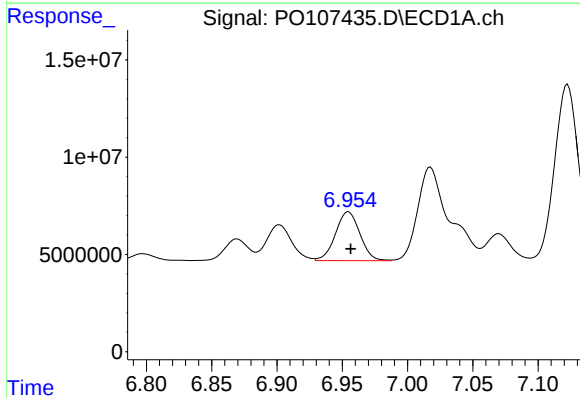
R.T.: 6.591 min
Delta R.T.: -0.002 min
Response: 62576232
Conc: 165.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



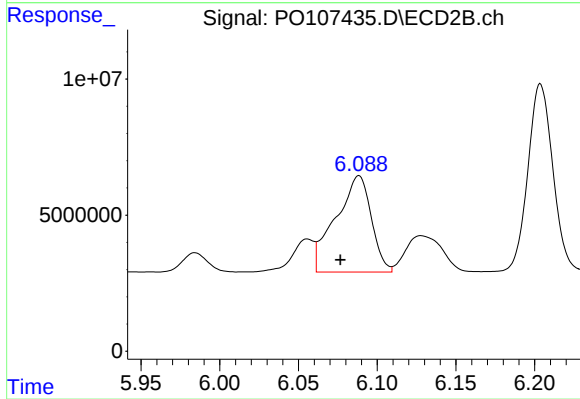
#27 AR-1254-2

R.T.: 5.671 min
Delta R.T.: -0.003 min
Response: 25594360
Conc: 176.56 ng/ml



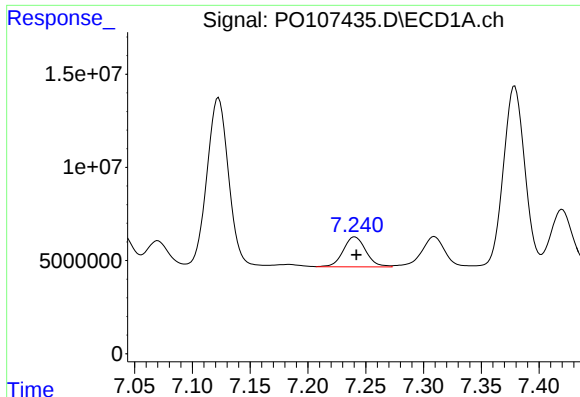
#28 AR-1254-3

R.T.: 6.955 min
Delta R.T.: -0.002 min
Response: 32649098
Conc: 91.25 ng/ml



#28 AR-1254-3

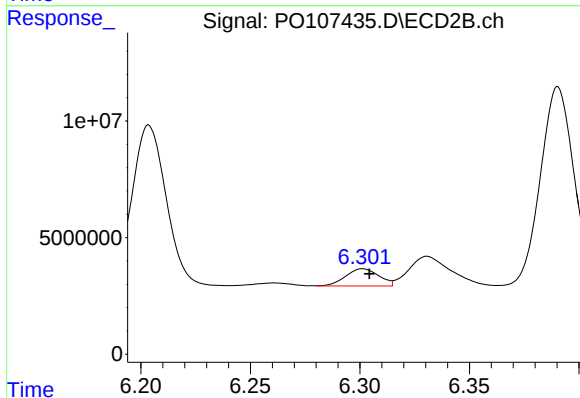
R.T.: 6.088 min
Delta R.T.: 0.012 min
Response: 55679433
Conc: 242.48 ng/ml



#29 AR-1254-4

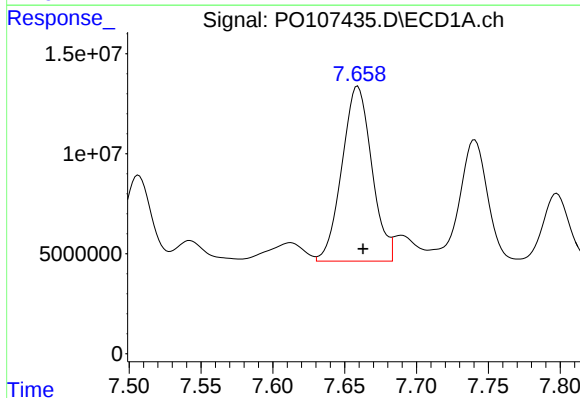
R.T.: 7.241 min
Delta R.T.: -0.001 min
Response: 21946803
Conc: 95.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



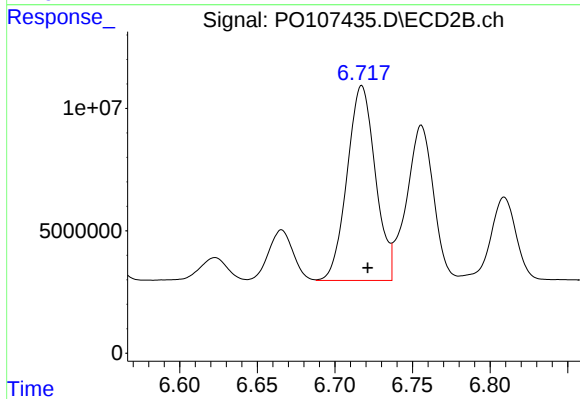
#29 AR-1254-4

R.T.: 6.301 min
Delta R.T.: -0.003 min
Response: 7797028
Conc: 60.24 ng/ml



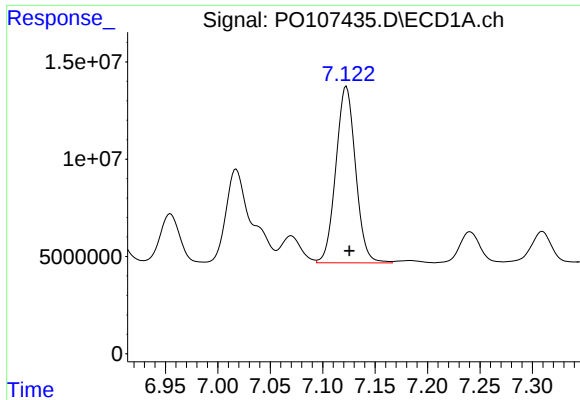
#30 AR-1254-5

R.T.: 7.659 min
Delta R.T.: -0.004 min
Response: 126185002
Conc: 607.69 ng/ml



#30 AR-1254-5

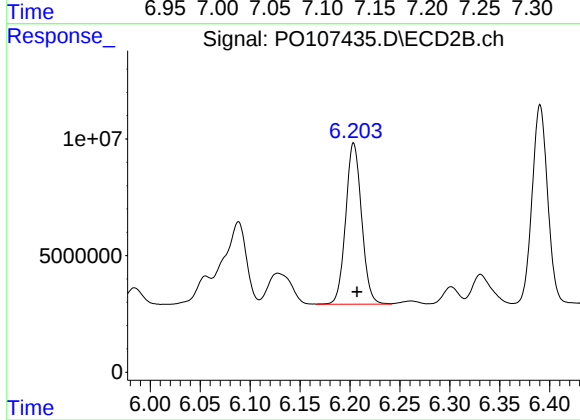
R.T.: 6.717 min
Delta R.T.: -0.004 min
Response: 100880704
Conc: 528.03 ng/ml



#31 AR-1260-1

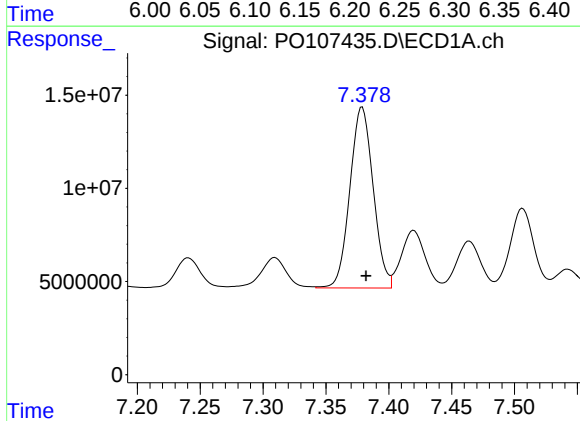
R.T.: 7.123 min
Delta R.T.: -0.003 min
Response: 118763777
Conc: 459.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



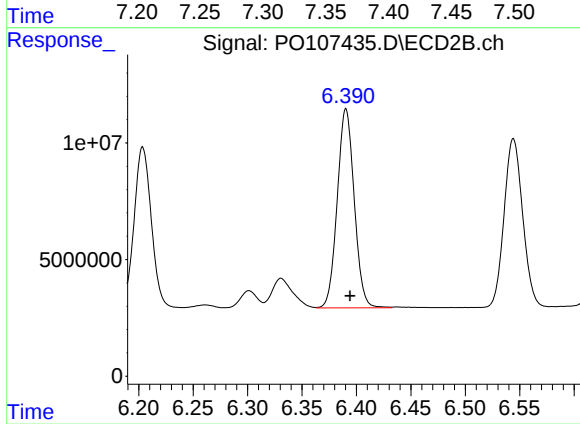
#31 AR-1260-1

R.T.: 6.204 min
Delta R.T.: -0.003 min
Response: 76628986
Conc: 493.89 ng/ml



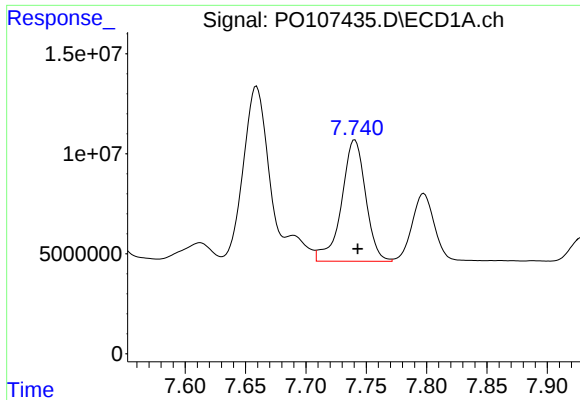
#32 AR-1260-2

R.T.: 7.379 min
Delta R.T.: -0.003 min
Response: 125327517
Conc: 476.13 ng/ml



#32 AR-1260-2

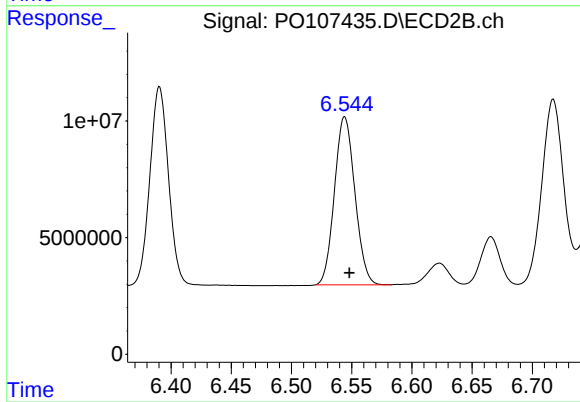
R.T.: 6.390 min
Delta R.T.: -0.004 min
Response: 92588971
Conc: 525.73 ng/ml



#33 AR-1260-3

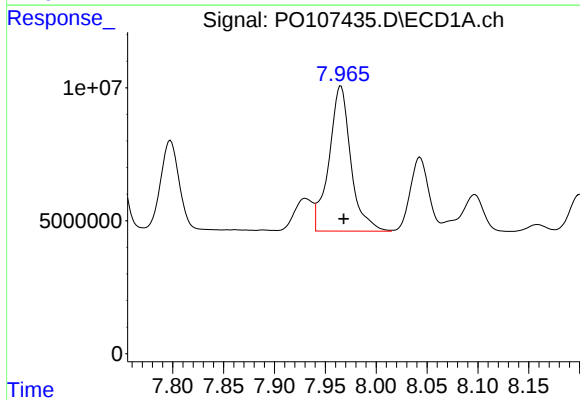
R.T.: 7.741 min
Delta R.T.: -0.003 min
Response: 84558116
Conc: 470.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



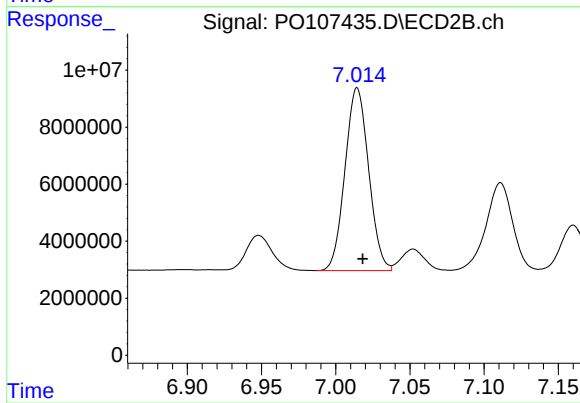
#33 AR-1260-3

R.T.: 6.544 min
Delta R.T.: -0.004 min
Response: 85138903
Conc: 507.54 ng/ml



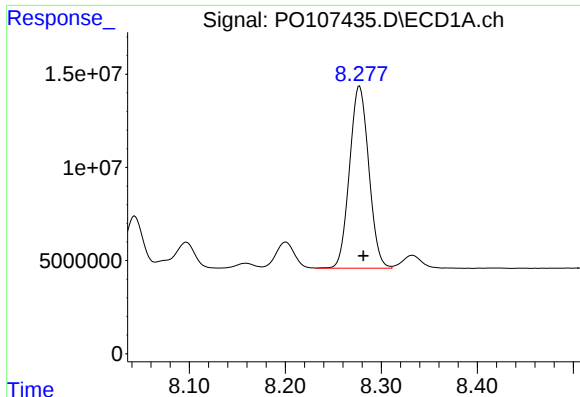
#34 AR-1260-4

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 81688411
Conc: 465.45 ng/ml



#34 AR-1260-4

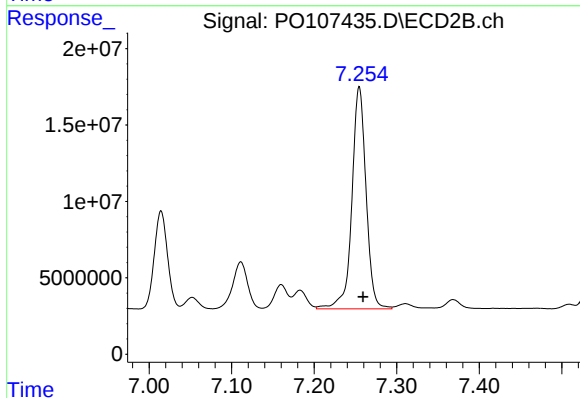
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 71275922
Conc: 492.64 ng/ml



#35 AR-1260-5

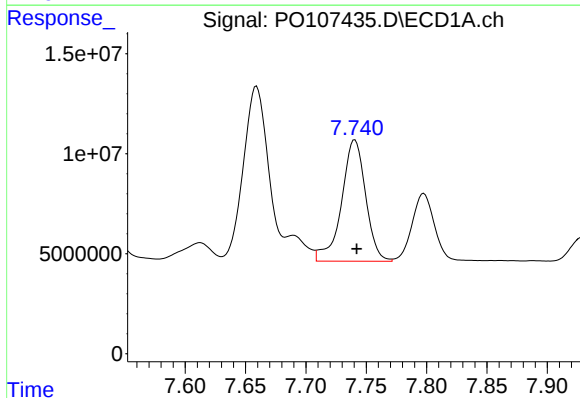
R.T.: 8.277 min
Delta R.T.: -0.004 min
Response: 136776313
Conc: 480.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



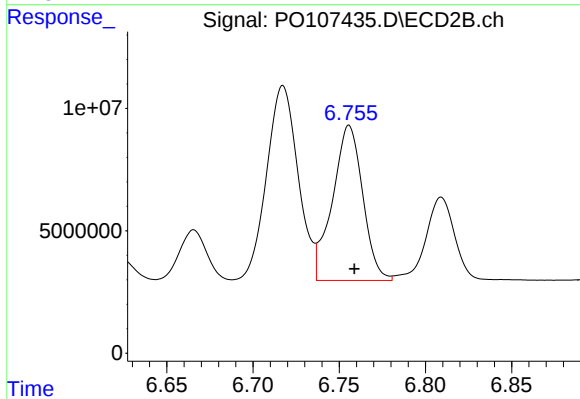
#35 AR-1260-5

R.T.: 7.255 min
Delta R.T.: -0.005 min
Response: 173803158
Conc: 527.57 ng/ml



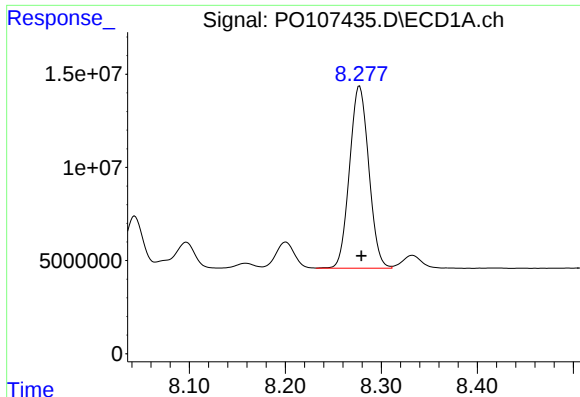
#36 AR-1262-1

R.T.: 7.741 min
Delta R.T.: -0.001 min
Response: 84558116
Conc: 344.36 ng/ml



#36 AR-1262-1

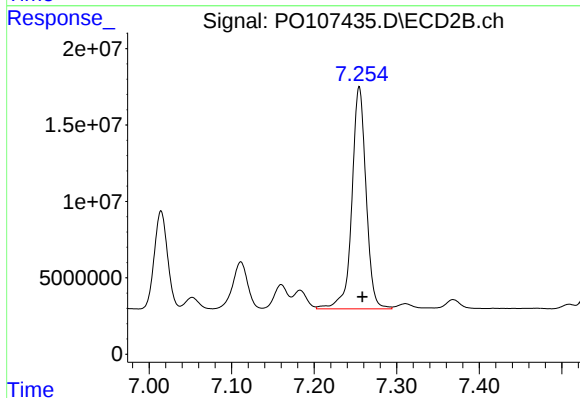
R.T.: 6.756 min
Delta R.T.: -0.003 min
Response: 77258526
Conc: 362.93 ng/ml



#37 AR-1262-2

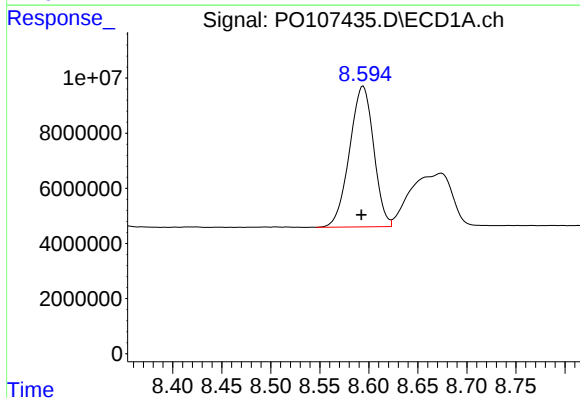
R.T.: 8.277 min
Delta R.T.: -0.002 min
Response: 136776313
Conc: 442.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



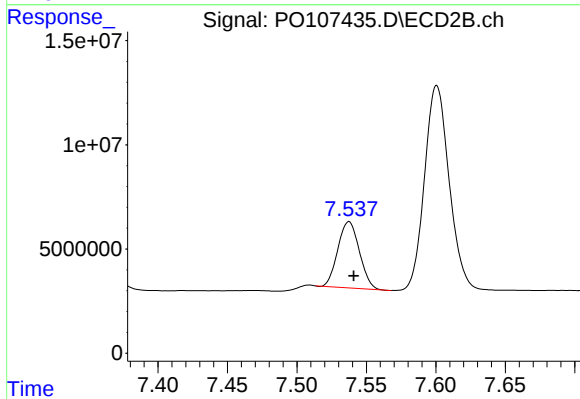
#37 AR-1262-2

R.T.: 7.255 min
Delta R.T.: -0.004 min
Response: 173803158
Conc: 478.36 ng/ml



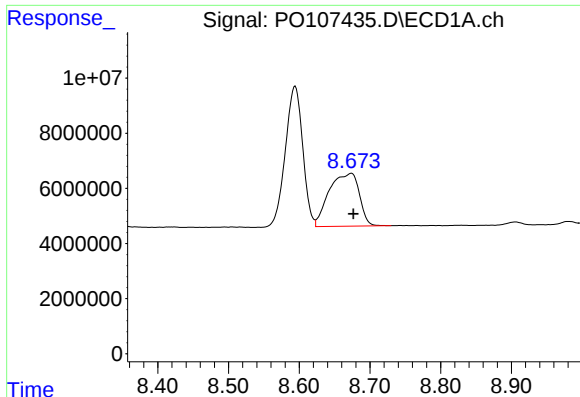
#38 AR-1262-3

R.T.: 8.594 min
Delta R.T.: 0.002 min
Response: 87391977
Conc: 417.75 ng/ml



#38 AR-1262-3

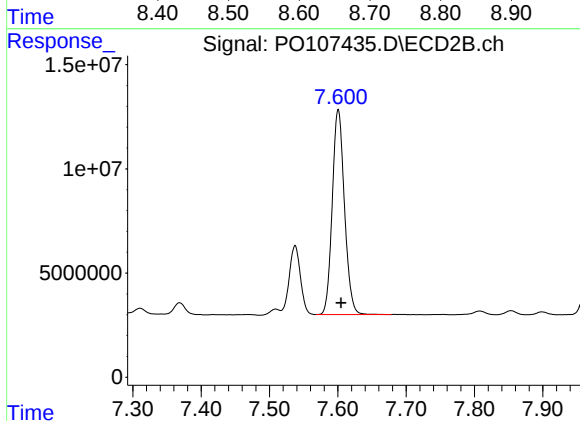
R.T.: 7.537 min
Delta R.T.: -0.003 min
Response: 34308520
Conc: 249.73 ng/ml



#39 AR-1262-4

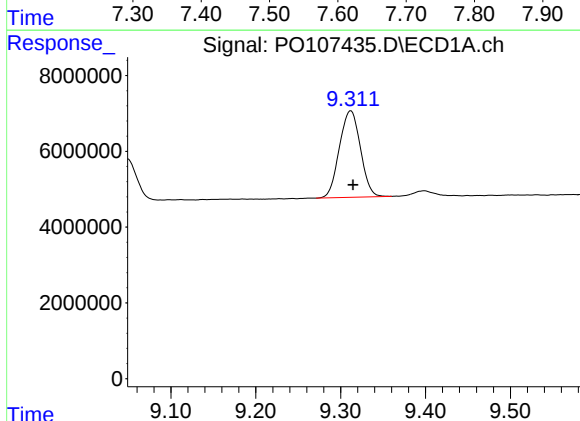
R.T.: 8.674 min
Delta R.T.: -0.003 min
Response: 57011665
Conc: 349.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



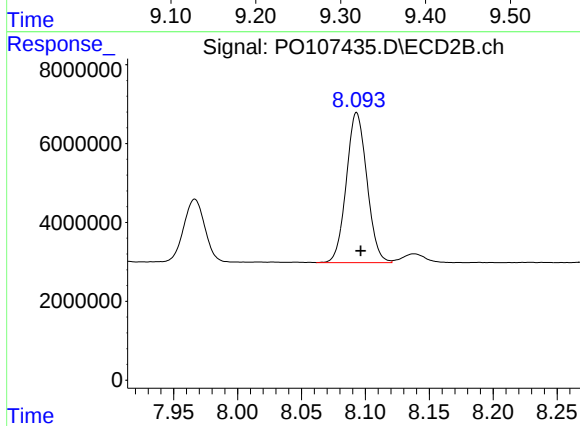
#39 AR-1262-4

R.T.: 7.601 min
Delta R.T.: -0.004 min
Response: 122059827
Conc: 461.35 ng/ml



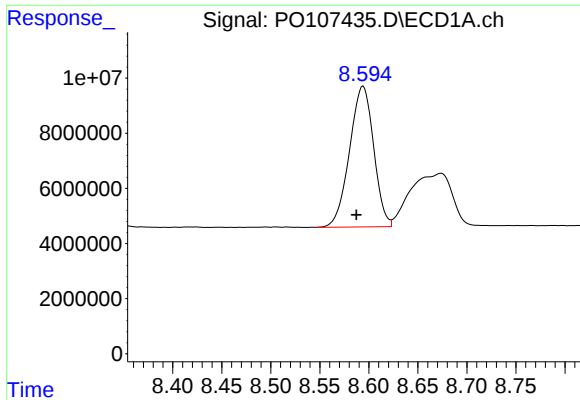
#40 AR-1262-5

R.T.: 9.312 min
Delta R.T.: -0.003 min
Response: 39435014
Conc: 383.74 ng/ml



#40 AR-1262-5

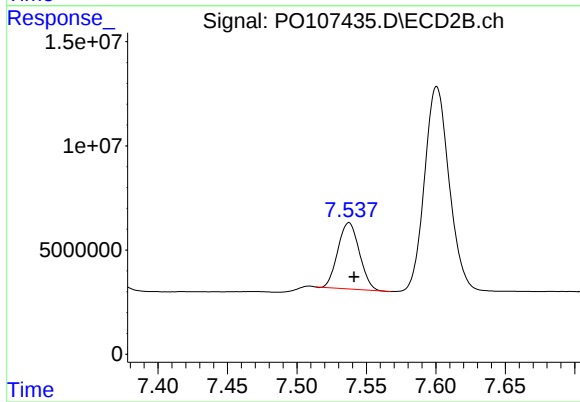
R.T.: 8.093 min
Delta R.T.: -0.003 min
Response: 42692130
Conc: 378.37 ng/ml



#41 AR-1268-1

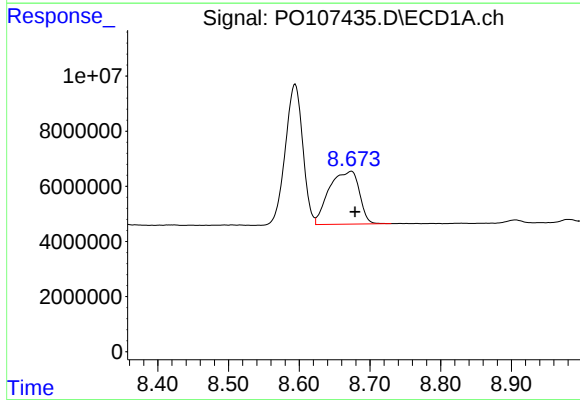
R.T.: 8.594 min
Delta R.T.: 0.007 min
Response: 87391977
Conc: 240.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



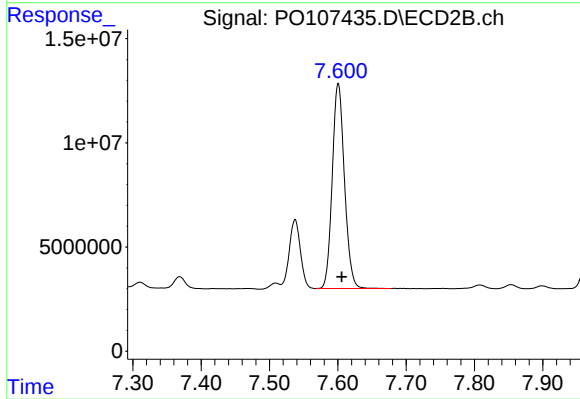
#41 AR-1268-1

R.T.: 7.537 min
Delta R.T.: -0.004 min
Response: 34308520
Conc: 84.80 ng/ml



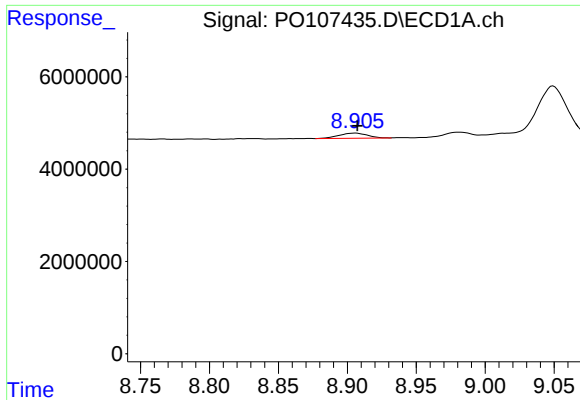
#42 AR-1268-2

R.T.: 8.674 min
Delta R.T.: -0.005 min
Response: 57011665
Conc: 176.79 ng/ml



#42 AR-1268-2

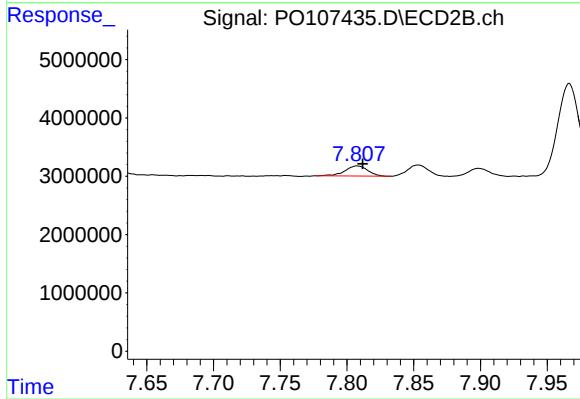
R.T.: 7.601 min
Delta R.T.: -0.005 min
Response: 122059827
Conc: 327.00 ng/ml



#43 AR-1268-3

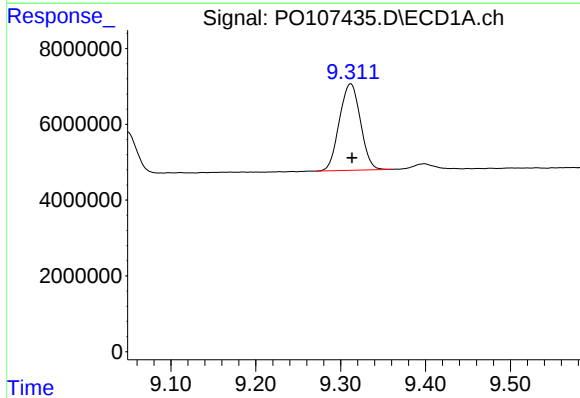
R.T.: 8.906 min
Delta R.T.: -0.002 min
Response: 1606137
Conc: 5.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



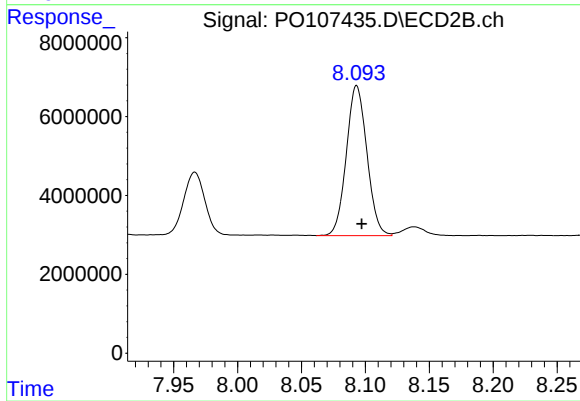
#43 AR-1268-3

R.T.: 7.808 min
Delta R.T.: -0.004 min
Response: 2083464
Conc: 6.24 ng/ml



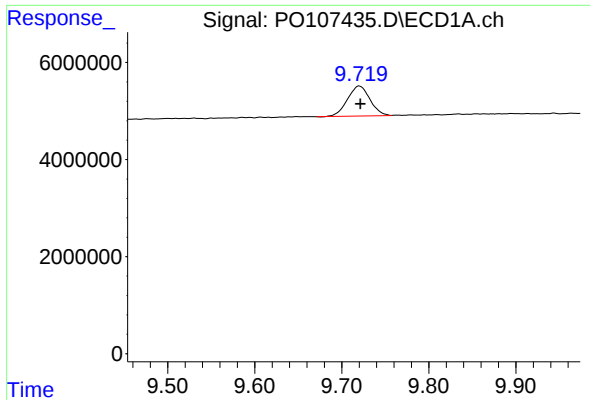
#44 AR-1268-4

R.T.: 9.312 min
Delta R.T.: -0.001 min
Response: 39435014
Conc: 354.57 ng/ml



#44 AR-1268-4

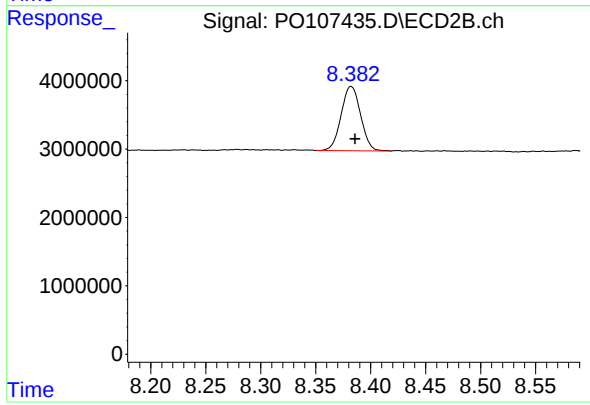
R.T.: 8.093 min
Delta R.T.: -0.004 min
Response: 42692130
Conc: 340.53 ng/ml



#45 AR-1268-5

R.T.: 9.720 min
Delta R.T.: -0.001 min
Response: 11140812
Conc: 13.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.382 min
Delta R.T.: -0.004 min
Response: 11564023
Conc: 11.71 ng/ml