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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2259

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

Table Of Contents for Q2259

1) PCB Data 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 12

9) QC Data Summary For PCB 13

- 9.1) Deuterated Monitoring Compound Summary 14
- 9.2) MS/MSD Summary 15
- 9.3) LCS/LCSD Summary 17
- 9.4) Method Blank Summary 18

10) Sample Data 19

- 10.1) OU4-PCS-TC-36-060525 20
- 10.2) OU4-PCS-TC-37-060525 24

11) Calibration Data Summary 28

- 11.1) Initial Calibration Data 29
  - 11.1.1) PP051925 29
- 11.2) Continued Calibration Data 278
  - 11.2.1) PP072732.D 278
  - 11.2.2) PP072748.D 290
  - 11.2.3) PP072764.D 302
- 11.3) Analytical Seq 314

12) Compound Detection Summary 318

13) QC Sample Data 321

- 13.1) Method Blank Data 322
- 13.2) PIBLK Data 326
- 13.3) LCS Data 342
- 13.4) MS Data 351
- 13.5) MSD Data 360

14) Manual Integration 369

15) Analytical Runlogs 375

16) Percent Solid 385

17) Extraction Logs 389

17.1) PB168349.pdf 389
17.2) PB168349IC.pdf 391
18) Standard Prep Logs 392
19) Shipping Document 476
19.1) Chain Of Custody 477
19.2) Lab Certificate 478
19.3) Internal COC 479
20) Not Reviewed Data 480

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

Cover Page

Order ID : Q2259

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2259-01	OU4-PCS-TC-36-060525
Q2259-02	OU4-PCS-TC-36-060525
Q2259-03	OU4-PCS-TC-37-060525
Q2259-04	OU4-PCS-TC-37-060525
Q2259-05	OU4-TS-29-060525
Q2259-06	OU4-TS-30-060525

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:47 am, Jun 23, 2025

Date: 6/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2259
Test Name: PCB

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 06/06/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for PCB.

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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

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

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

Signature___ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:47 am, Jun 23, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259 MATRIX: Solid

METHOD: 8082A/3541

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

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 10:13 am, Jun 23, 2025

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2259

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

QA Review Signature: SOHIL JODHANI **Date:** 06/18/2025

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

LAB CHRONICLE

OrderID:	Q2259	**OrderDate:**	6/6/2025 10:57:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	**OU4-PCS-TC-36-060525**	**SOIL**			**06/05/25**			**06/06/25**
			PCB	8082A		06/09/25	06/09/25	
Q2259-03	**OU4-PCS-TC-37-060525**	**SOIL**			**06/05/25**			**06/06/25**
			PCB	8082A		06/09/25	06/09/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2259 **Order ID:** Q2259

Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									
			Total Concentration:	**0.000**					

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2259

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072163.D	PIBLK-PP072163.D	Tetrachloro-m-xylene	1	20	16.3	82		60	140
		Decachlorobiphenyl	1	20	16.7	84		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	17.0	85		60	140
I.BLK-PP072737.D	PIBLK-PP072737.D	Tetrachloro-m-xylene	1	20	18.0	90		60	140
		Decachlorobiphenyl	1	20	18.6	93		60	140
		Tetrachloro-m-xylene	2	20	19.9	99		60	140
		Decachlorobiphenyl	2	20	20.9	104		60	140
PB168349BL	PB168349BL	Tetrachloro-m-xylene	1	20	18.3	92		44	130
		Decachlorobiphenyl	1	20	18.8	94		60	125
		Tetrachloro-m-xylene	2	20	20.8	104		44	130
		Decachlorobiphenyl	2	20	20.5	102		60	125
PB168349BS	PB168349BS	Tetrachloro-m-xylene	1	20	19.8	99		44	130
		Decachlorobiphenyl	1	20	19.9	100		60	125
		Tetrachloro-m-xylene	2	20	20.5	102		44	130
		Decachlorobiphenyl	2	20	22.2	111		60	125
Q2246-01MS	BU-03-060525MS	Tetrachloro-m-xylene	1	20	21.7	109		44	130
		Decachlorobiphenyl	1	20	21.0	105		60	125
		Tetrachloro-m-xylene	2	20	23.0	115		44	130
		Decachlorobiphenyl	2	20	23.9	120		60	125
Q2246-01MSD	BU-03-060525MSD	Tetrachloro-m-xylene	1	20	20.6	103		44	130
		Decachlorobiphenyl	1	20	20.5	102		60	125
		Tetrachloro-m-xylene	2	20	21.9	110		44	130
		Decachlorobiphenyl	2	20	23.0	115		60	125
I.BLK-PP072753.D	PIBLK-PP072753.D	Tetrachloro-m-xylene	1	20	18.0	90		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	20.8	104		60	140
Q2259-01	OU4-PCS-TC-36-060525	Tetrachloro-m-xylene	1	20	22.1	110		44	130
		Decachlorobiphenyl	1	20	21.9	110		60	125
		Tetrachloro-m-xylene	2	20	24.7	123		44	130
		Decachlorobiphenyl	2	20	24.6	123		60	125
Q2259-03	OU4-PCS-TC-37-060525	Tetrachloro-m-xylene	1	20	19.6	98		44	130
		Decachlorobiphenyl	1	20	19.5	98		60	125
		Tetrachloro-m-xylene	2	20	21.9	110		44	130
		Decachlorobiphenyl	2	20	22.5	112		60	125
I.BLK-PP072769.D	PIBLK-PP072769.D	Tetrachloro-m-xylene	1	20	17.9	89		60	140
		Decachlorobiphenyl	1	20	18.1	91		60	140
		Tetrachloro-m-xylene	2	20	19.9	100		60	140
		Decachlorobiphenyl	2	20	21.4	107		60	140

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259 **Analytical Method:** 8082A

Client: Nobis Group **DataFile :** PP072746.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**BU-03-060525MS**											
Q2246-01MS (Column 1)	AR1016	167.9	0	127	ug/kg	76				47	134	
	AR1260	167.9	0	123	ug/kg	73				53	140	
Client Sample ID:	**BU-03-060525MS**											
Q2246-01MS (Column 2)	AR1016	167.9	0	146	ug/kg	87				47	134	
	AR1260	167.9	0	137	ug/kg	82				53	140	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259 **Analytical Method:** 8082A

Client: Nobis Group **DataFile :** PP072747.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**BU-03-060525MSD**											
Q2246-01MSD (Column 1)	AR1016	168.1	0	123	ug/kg	73		4		47	134	20
	AR1260	168.1	0	120	ug/kg	71		3		53	140	20
Client Sample ID:	**BU-03-060525MSD**											
Q2246-01MSD (Column 2)	AR1016	168.1	0	141	ug/kg	84		4		47	134	20
	AR1260	168.1	0	136	ug/kg	81		1		53	140	20

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.: Q2259 **Analytical Method:** 8082A

Client: Nobis Group **Datafile :** PP072744.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168349BS (Column 1)	AR1016	166.6	126	ug/kg	76				47	134	
	AR1260	166.6	119	ug/kg	71				53	140	
PB168349BS (Column 2)	AR1016	166.6	141	ug/kg	85				47	134	
	AR1260	166.6	139	ug/kg	83				53	140	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168349BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab Sample ID: PB168349BL Lab File ID: PP072743.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 06/09/2025

Date Analyzed (1): 06/09/2025 Date Analyzed (2): 06/09/2025

Time Analyzed (1): 13:12 Time Analyzed (2): 13:12

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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
PB168349BS	PB168349BS	PP072744.D	06/09/2025	06/09/2025
BU-03-060525MS	Q2246-01MS	PP072746.D	06/09/2025	06/09/2025
BU-03-060525MSD	Q2246-01MSD	PP072747.D	06/09/2025	06/09/2025
OU4-PCS-TC-36-060525	Q2259-01	PP072755.D	06/09/2025	06/09/2025
OU4-PCS-TC-37-060525	Q2259-03	PP072756.D	06/09/2025	06/09/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072755.D	1	06/09/25 09:10	06/09/25 17:12	PB168349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.80	U	4.20	8.80	18.0	ug/kg
11104-28-2	Aroclor-1221	13.8	U	4.30	13.8	18.0	ug/kg
11141-16-5	Aroclor-1232	8.80	U	3.90	8.80	18.0	ug/kg
53469-21-9	Aroclor-1242	8.80	U	4.20	8.80	18.0	ug/kg
12672-29-6	Aroclor-1248	13.8	U	6.30	13.8	18.0	ug/kg
11097-69-1	Aroclor-1254	8.80	U	3.40	8.80	18.0	ug/kg
37324-23-5	Aroclor-1262	13.8	U	5.30	13.8	18.0	ug/kg
11100-14-4	Aroclor-1268	8.80	U	3.80	8.80	18.0	ug/kg
11096-82-5	Aroclor-1260	8.80	U	3.40	8.80	18.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.7		44 - 130		123%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.6		60 - 125		123%	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_P\Data\PP060925\
Data File : PP072755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:12
Operator : YP\AJ
Sample : Q2259-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.499	3.793	44370194	39462397	22.066	24.689
2)	SA Decachlor...	10.196	8.807	35676885	26025711	21.899m	24.585m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:12
Operator : YP\AJ
Sample : Q2259-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

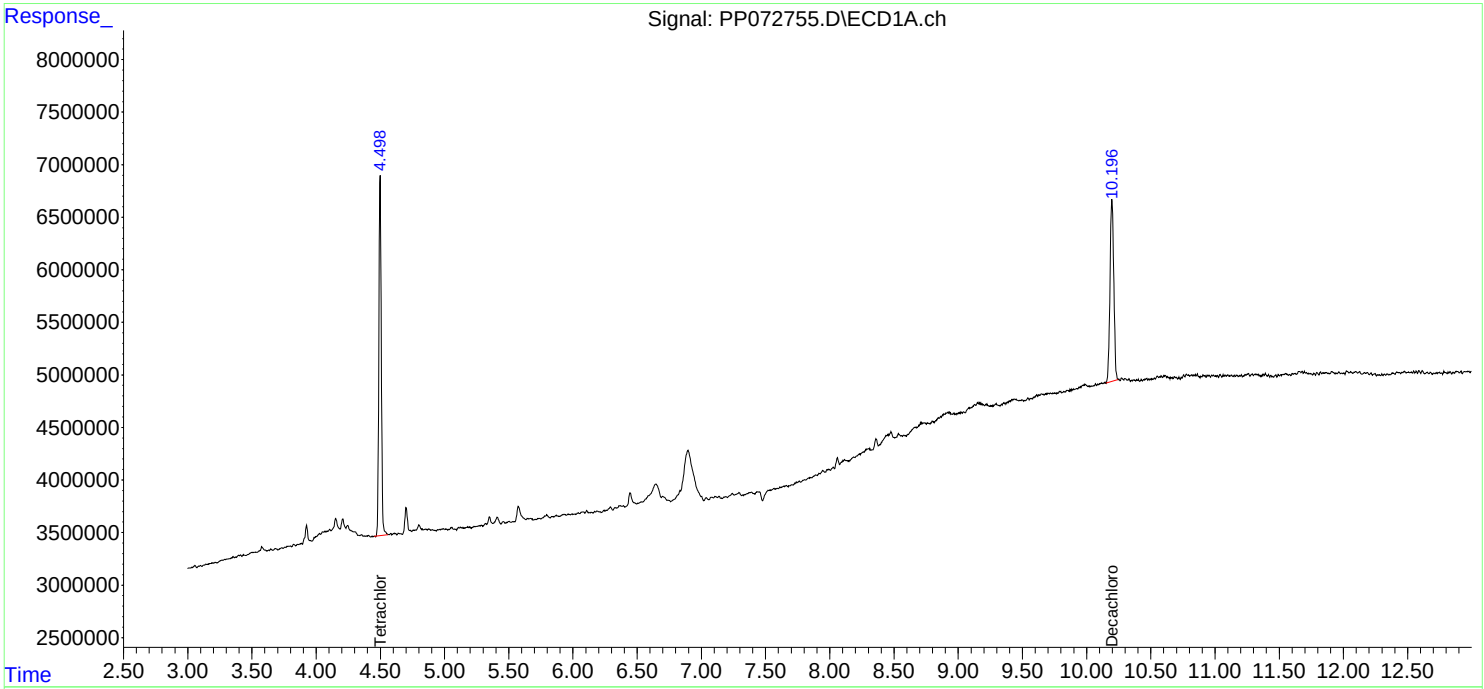
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525

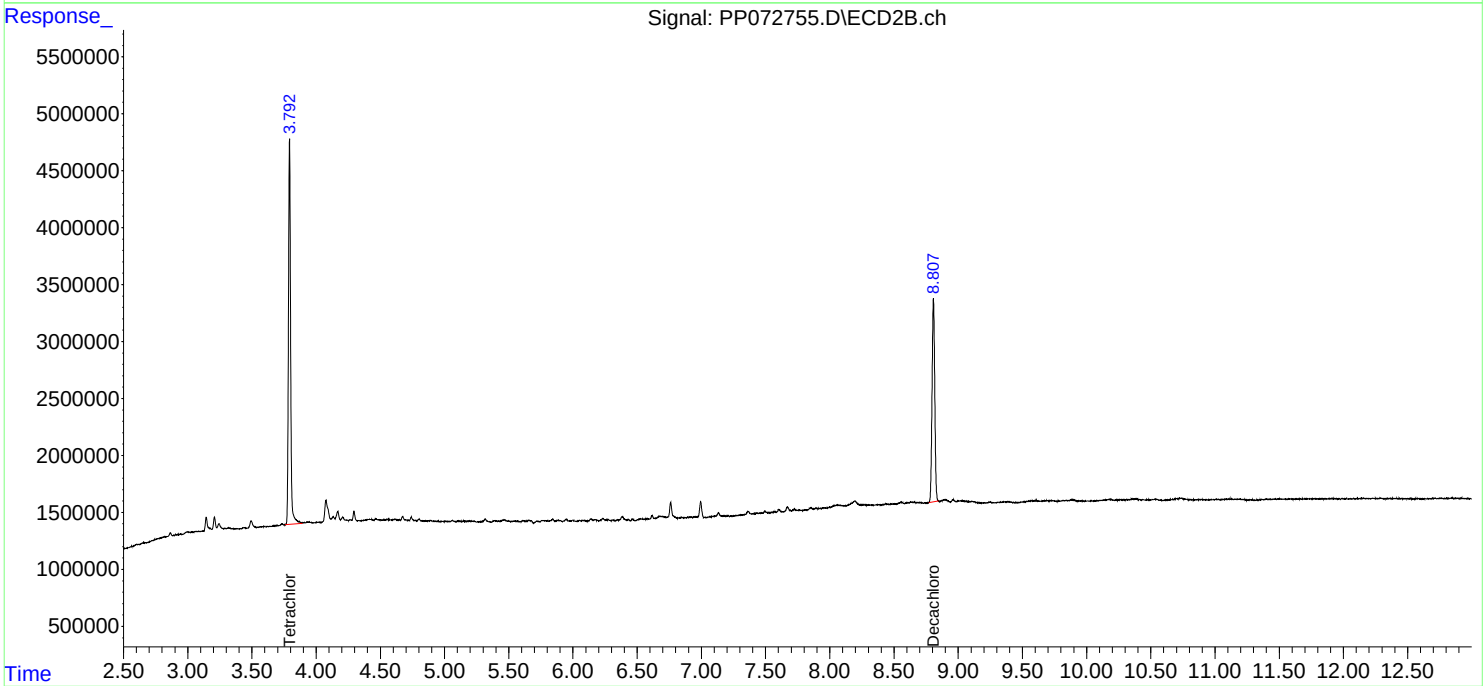
Manual Integrations APPROVED

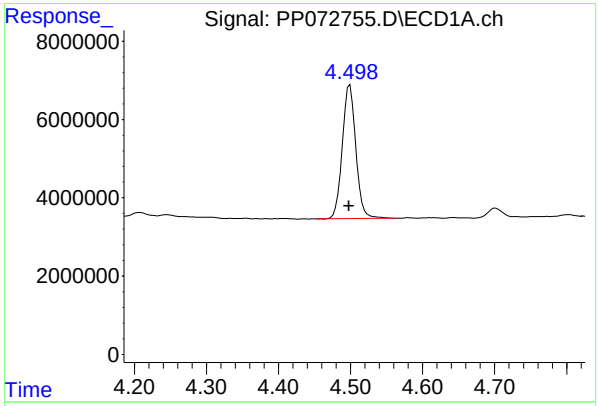
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







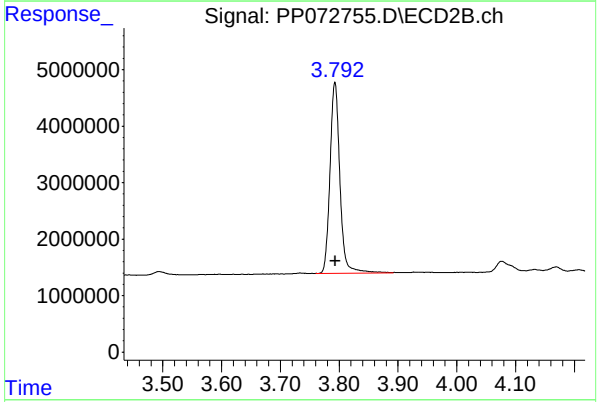
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 mi
Response: 44370194
Conc: 22.07 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525

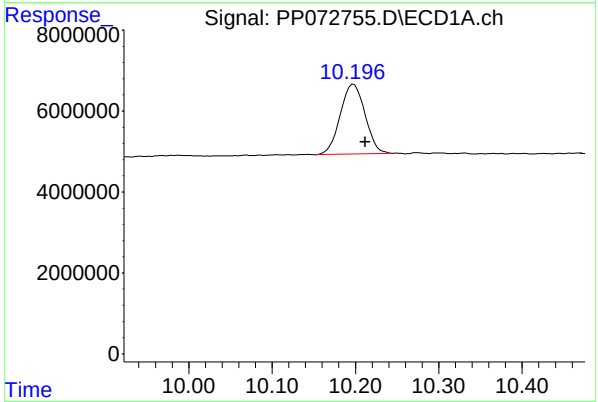
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



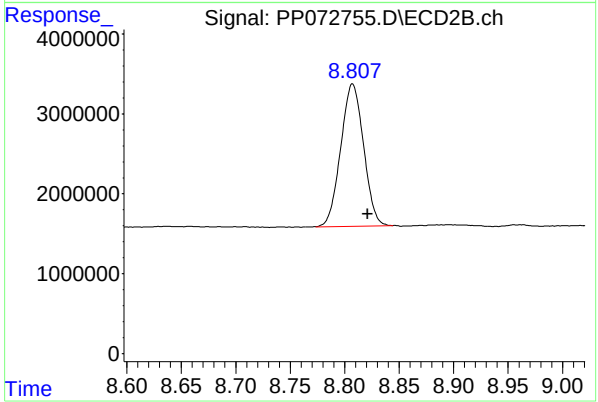
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 39462397
Conc: 24.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.016 min
Response: 35676885
Conc: 21.90 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 26025711
Conc: 24.58 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072756.D	1	06/09/25 09:10	06/09/25 17:28	PB168349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.80	U	4.20	8.80	18.0	ug/kg
11104-28-2	Aroclor-1221	13.8	U	4.30	13.8	18.0	ug/kg
11141-16-5	Aroclor-1232	8.80	U	3.90	8.80	18.0	ug/kg
53469-21-9	Aroclor-1242	8.80	U	4.20	8.80	18.0	ug/kg
12672-29-6	Aroclor-1248	13.8	U	6.30	13.8	18.0	ug/kg
11097-69-1	Aroclor-1254	8.80	U	3.40	8.80	18.0	ug/kg
37324-23-5	Aroclor-1262	13.8	U	5.30	13.8	18.0	ug/kg
11100-14-4	Aroclor-1268	8.80	U	3.80	8.80	18.0	ug/kg
11096-82-5	Aroclor-1260	8.80	U	3.40	8.80	18.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.9		44 - 130		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		60 - 125		112%	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_P\Data\PP060925\
Data File : PP072756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:28
Operator : YP\AJ
Sample : Q2259-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.496	3.793	39436211	35030056	19.612	21.916
2)	SA Decachlor...	10.195	8.807	31834862	23806239	19.541m	22.488m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:28
Operator : YP\AJ
Sample : Q2259-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

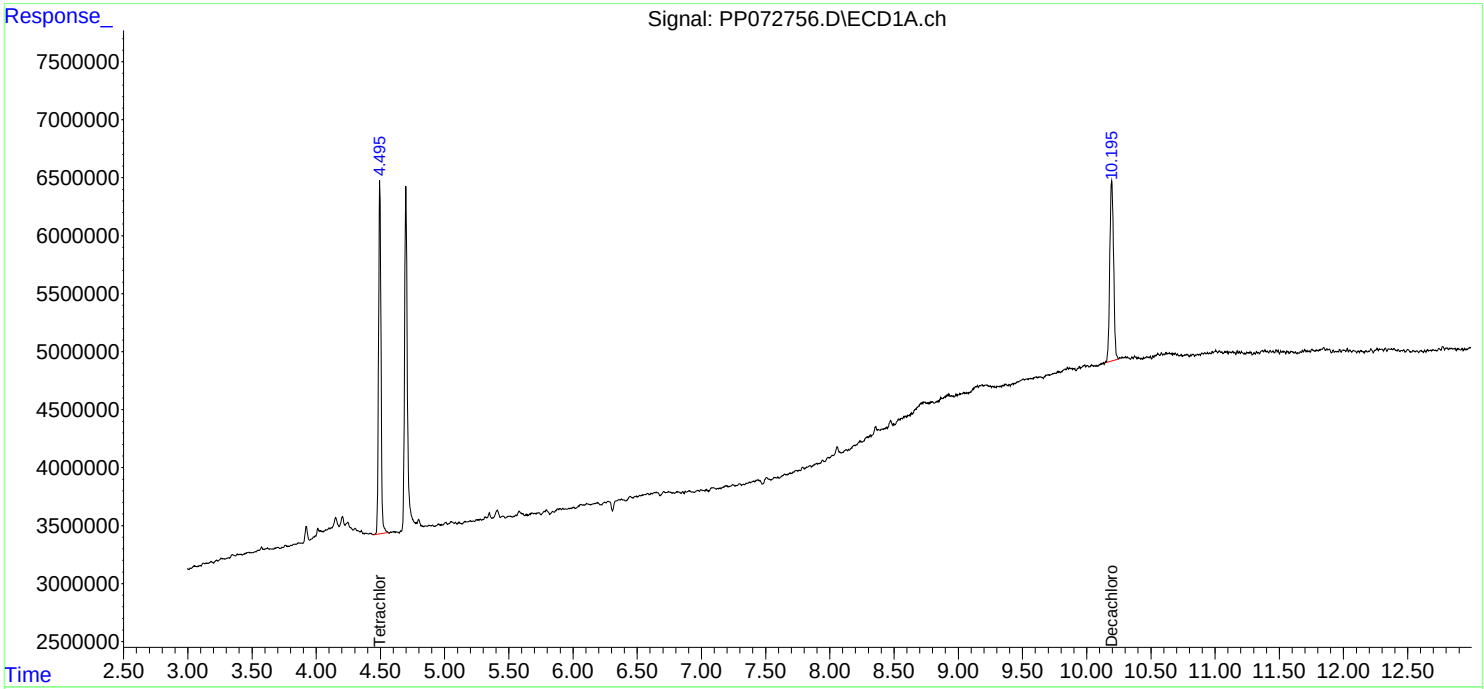
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525

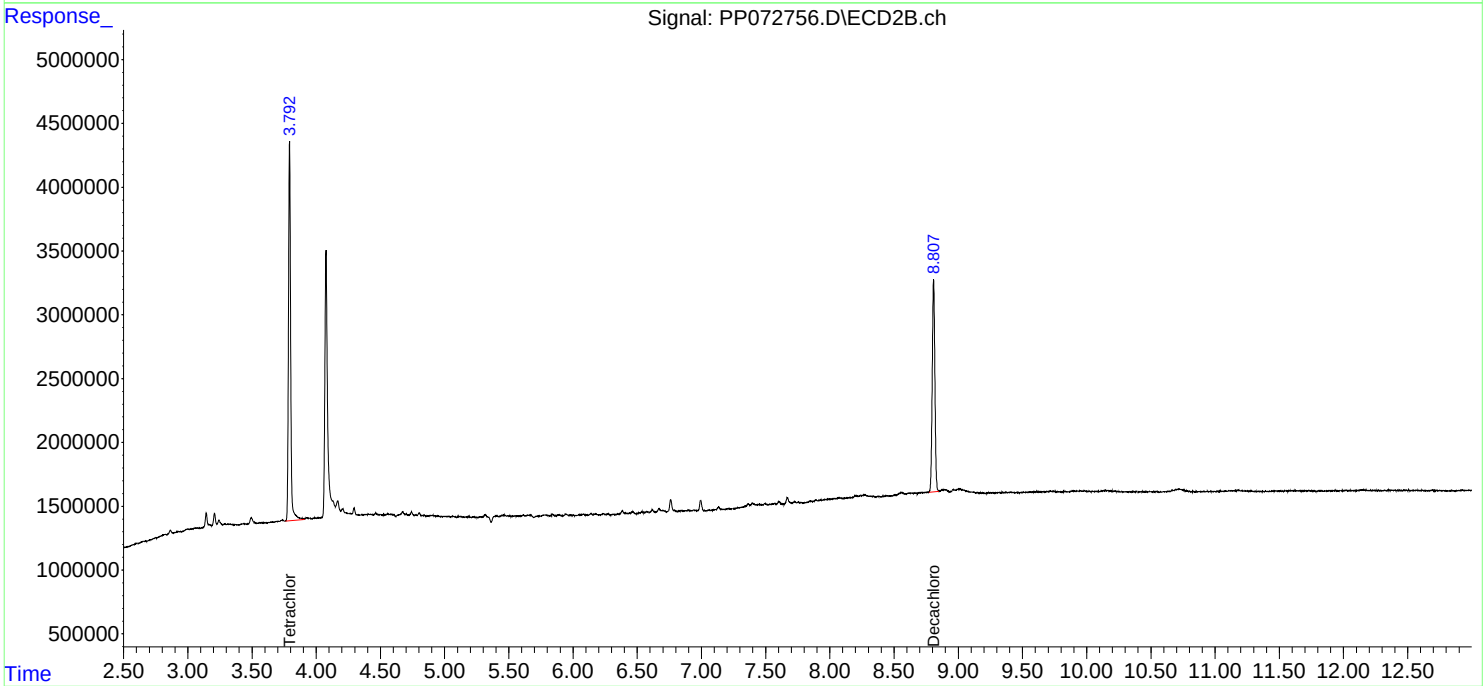
Manual Integrations APPROVED

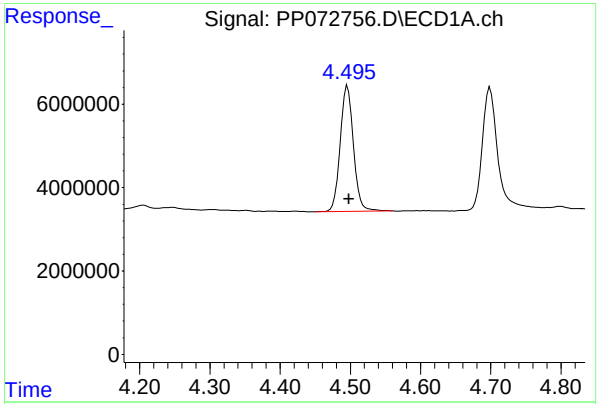
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







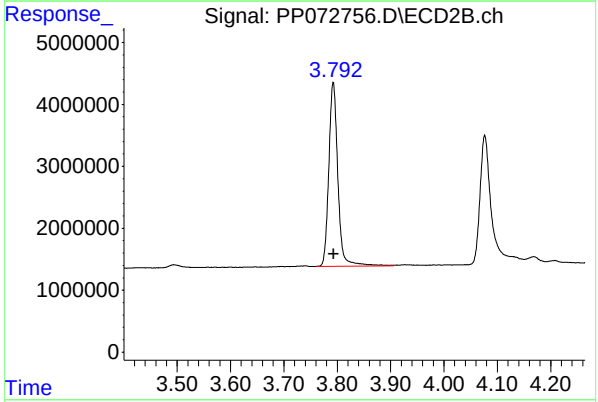
#1 Tetrachloro-m-xylene

R.T.: 4.496 min
Delta R.T.: -0.002 mi
Response: 39436211
Conc: 19.61 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525

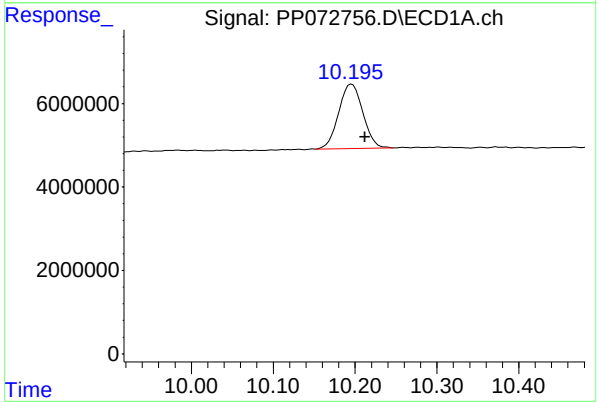
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



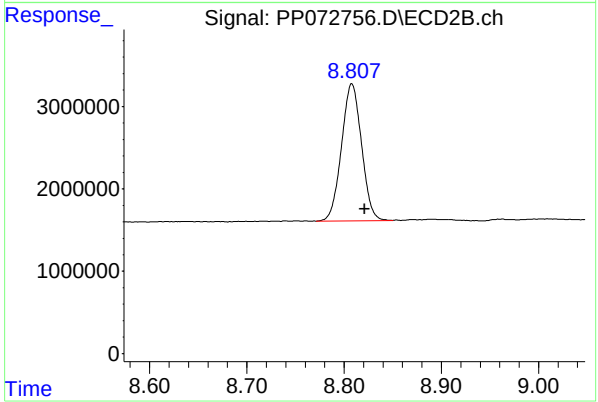
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 35030056
Conc: 21.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.195 min
Delta R.T.: -0.017 min
Response: 31834862
Conc: 19.54 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 23806239
Conc: 22.49 ng/ml m

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.65	5.65	5.65	5.66	5.65	5.65	5.55	5.75
Aroclor-1016-2	(2)	5.68	5.67	5.67	5.68	5.67	5.67	5.57	5.77
Aroclor-1016-3	(3)	5.74	5.74	5.74	5.74	5.73	5.74	5.64	5.84
Aroclor-1016-4	(4)	5.84	5.83	5.83	5.84	5.83	5.83	5.73	5.93
Aroclor-1016-5	(5)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1260-1	(1)	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
Aroclor-1260-2	(2)	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1260-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1260-4	(4)	8.09	8.08	8.09	8.09	8.08	8.09	7.99	8.19
Aroclor-1260-5	(5)	8.40	8.40	8.40	8.41	8.40	8.40	8.30	8.50
Decachlorobiphenyl		10.21	10.21	10.21	10.21	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1232-1	(1)	4.86	4.86	4.86	4.87	4.86	4.86	4.76	4.96
Aroclor-1232-2	(2)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1232-3	(3)	5.68	5.68	5.68	5.68	5.67	5.68	5.58	5.78
Aroclor-1232-4	(4)	5.84	5.84	5.84	5.84	5.83	5.84	5.74	5.94
Aroclor-1232-5	(5)	5.93	5.93	5.93	5.93	5.92	5.93	5.83	6.03
Decachlorobiphenyl		10.21	10.22	10.21	10.22	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-1	(1)	5.66	5.66	5.66	5.65	5.65	5.66	5.56	5.76
Aroclor-1242-2	(2)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-3	(3)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1242-4	(4)	5.84	5.84	5.84	5.84	5.84	5.84	5.74	5.94
Aroclor-1242-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.51	4.50	4.50	4.50	4.40	4.60
Aroclor-1248-1	(1)	5.66	5.66	5.66	5.66	5.65	5.66	5.56	5.76
Aroclor-1248-2	(2)	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Aroclor-1248-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1248-4	(4)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1248-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.21	10.22	10.22	10.21	10.22	10.12	10.32
Tetrachloro-m-xylene		4.51	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1254-1	(1)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-2	(2)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Aroclor-1254-3	(3)	7.09	7.09	7.09	7.09	7.09	7.09	6.99	7.19
Aroclor-1254-4	(4)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Aroclor-1254-5	(5)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		10.22	10.22	10.22	10.22	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1268-1	(1)	8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Aroclor-1268-2	(2)	8.81	8.82	8.81	8.81	8.81	8.81	8.71	8.91
Aroclor-1268-3	(3)	9.04	9.05	9.04	9.04	9.05	9.04	8.94	9.14
Aroclor-1268-4	(4)	9.46	9.46	9.46	9.46	9.46	9.46	9.36	9.56
Aroclor-1268-5	(5)	9.88	9.88	9.88	9.88	9.88	9.88	9.78	9.98
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.51	4.50	4.50	4.50	4.50	4.40	4.60

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.90	4.89	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1260-4	(4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5	(5)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1232-1	(1)	4.17	4.17	4.17	4.17	4.17	4.17	4.07	4.27
Aroclor-1232-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1232-3	(3)	5.07	5.08	5.08	5.07	5.08	5.08	4.98	5.18
Aroclor-1232-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1232-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.69	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1254-4	(4)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1254-5	(5)	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
Aroclor-1268-5	(5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl		8.83	8.83	8.83	8.82	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	66878491	69828851	76010044	83211968	79488900	75083651	9
Aroclor-1016-2	(2)	99468528	104467549	110518222	118579572	101924480	106991670	7
Aroclor-1016-3	(3)	61412187	64234915	67714060	73550892	60912680	65564947	8
Aroclor-1016-4	(4)	50363803	53404009	55311866	58220708	49049560	53269989	7
Aroclor-1016-5	(5)	45437165	47941741	49914606	51189784	50062640	48909187	5
Aroclor-1260-1	(1)	85553757	90346417	93957158	98060904	100055640	93594775	6
Aroclor-1260-2	(2)	135650987	137755076	143609204	149400496	151032820	143489717	5
Aroclor-1260-3	(3)	109042220	112821207	117388622	121236852	108865120	113870804	5
Aroclor-1260-4	(4)	102101329	107107725	110940768	114591832	101771400	107302611	5
Aroclor-1260-5	(5)	228876095	233706888	240834266	249937120	229956720	236662218	4
Decachlorobiphenyl		1538266220	1617591187	1654764640	1712186920	1622812600	1629124313	4
Tetrachloro-m-xylene		1944699760	2026562000	2072807240	2135906680	1874026800	2010800496	5
Aroclor-1232-1	(1)	44075653	45896815	48002922	48247276	49319600	47108453	4
Aroclor-1232-2	(2)	21717379	22928696	23244388	23029808	25495660	23283186	6
Aroclor-1232-3	(3)	46772523	50148184	51844656	54382920	47167260	50063109	6
Aroclor-1232-4	(4)	23238504	24146713	24804390	26183196	27122440	25099049	6
Aroclor-1232-5	(5)	15752983	16470224	16442412	18109320	20822780	17519544	12
Decachlorobiphenyl		1545279190	1600827560	1672901480	1703701720	1499866000	1604515190	5
Tetrachloro-m-xylene		1886122400	2000973440	2054641840	2122290120	1923172600	1997440080	5
Aroclor-1242-1	(1)	56211553	57323072	62083360	65843868	71524840	62597339	10
Aroclor-1242-2	(2)	82973080	85971496	91883334	97584776	75486540	86779845	10
Aroclor-1242-3	(3)	51559127	52121972	55496172	57080948	59071260	55065896	6
Aroclor-1242-4	(4)	41207603	43030657	45948576	46781836	44776460	44349026	5
Aroclor-1242-5	(5)	47977894	48696228	50879554	52435600	54934800	50984815	6
Decachlorobiphenyl		1526214180	1567133680	1645977640	1728993240	1487418400	1591147428	6
Tetrachloro-m-xylene		1827808490	1928927520	1991275140	2114690400	1713029600	1915146230	8
Aroclor-1248-1	(1)	44038397	47472432	47912646	51445364	51108500	48395468	6
Aroclor-1248-2	(2)	56984732	59400859	61165396	63476680	62172680	60640069	4
Aroclor-1248-3	(3)	64677132	65813748	68767932	70638012	61003720	66180109	6
Aroclor-1248-4	(4)	81606824	85304428	88412180	92196600	89440360	87392078	5
Aroclor-1248-5	(5)	77587697	81003728	83211240	86851844	86474060	83025714	5
Decachlorobiphenyl		1573368300	1599269360	1663196880	1714969280	1478724200	1605905604	6
Tetrachloro-m-xylene		1880240370	1909383627	1990709860	2112434560	1856348600	1949823403	5
Aroclor-1254-1	(1)	79792123	82783284	86922424	91684028	88834440	86003260	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	120142096	124850076	131105324	134547092	142741880	130677294	7
Aroclor-1254-3	(3)	124307316	127832729	133782854	136984312	137108200	132003082	4
Aroclor-1254-4	(4)	116304358	118550812	124418220	136069712	157210520	130510724	13
Aroclor-1254-5	(5)	107938622	112056604	116315218	117138120	102784720	111246657	5
Decachlorobiphenyl		1576500070	1614032093	1688035380	1708021160	1475084400	1612334621	6
Tetrachloro-m-xylene		1869066560	1948875347	2032435420	2069900400	1617536400	1907562825	9
Aroclor-1268-1	(1)	315692357	322966827	337626016	351356792	338115380	333151474	4
Aroclor-1268-2	(2)	265886956	272371317	285215132	296487980	279979560	279988189	4
Aroclor-1268-3	(3)	227961300	235081659	247250176	255747588	241284760	241465097	4
Aroclor-1268-4	(4)	101392203	104765767	107968348	108360296	102254740	104948271	3
Aroclor-1268-5	(5)	651541042	667177075	686960040	706355632	672967440	677000246	3
Decachlorobiphenyl		2733685450	2815599213	2937966700	3038738360	2636754200	2832548785	6
Tetrachloro-m-xylene		1849618000	1900065360	1995699220	2054630680	1744336400	1908869932	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	54525663	58849481	59632288	64515432	69624760	61429525	9
Aroclor-1016-2	(2)	79772717	86154421	85288758	92453296	95277560	87789350	7
Aroclor-1016-3	(3)	42641318	46352395	47330430	50989192	50959120	47654491	7
Aroclor-1016-4	(4)	33654246	36754908	37811202	41521120	40485160	38045327	8
Aroclor-1016-5	(5)	43791070	47744144	49105368	53701332	54780200	49824423	9
Aroclor-1260-1	(1)	72244144	75307759	80373306	84844232	85999160	79753720	7
Aroclor-1260-2	(2)	87664004	90365408	98490088	104924488	125666920	101422182	15
Aroclor-1260-3	(3)	79909091	81326363	88937536	92494016	91844780	86902357	7
Aroclor-1260-4	(4)	64349922	67685321	72647720	77711116	78060640	72090944	8
Aroclor-1260-5	(5)	161315528	166937577	177635780	187517596	174713540	173624004	6
Decachlorobiphenyl		920208980	1044964960	1093136160	1163579000	1071118200	1058601460	8
Tetrachloro-m-xylene		1547649930	1584243107	1593704220	1639561360	1626633000	1598358323	2
Aroclor-1232-1	(1)	37616932	40592059	45290150	47667724	45555860	43344545	9
Aroclor-1232-2	(2)	39358353	42024527	44532022	47402620	47585980	44180700	8
Aroclor-1232-3	(3)	20796080	22347549	23808552	25172964	24790340	23383097	8
Aroclor-1232-4	(4)	17897124	19415229	20680720	21689292	23918420	20720157	11
Aroclor-1232-5	(5)	19472370	21237964	22534450	24219412	28307940	23154427	15
Decachlorobiphenyl		991061470	1069964400	1120483020	1147415120	1151969600	1096178722	6
Tetrachloro-m-xylene		1503650850	1560846907	1685979140	1671096560	1578260800	1599966851	5
Aroclor-1242-1	(1)	46123670	49902476	52843000	57237560	54435320	52108405	8
Aroclor-1242-2	(2)	66003789	71039361	75471286	80940564	74026140	73496228	8
Aroclor-1242-3	(3)	34394227	38777200	41064482	44714476	36677280	39125533	10
Aroclor-1242-4	(4)	32146418	36854119	38826456	43192656	36894340	37582798	11
Aroclor-1242-5	(5)	41776015	46613400	48754570	54226988	49917340	48257663	9
Decachlorobiphenyl		967171680	1074707920	1046164720	1163123680	1078294400	1065892480	7
Tetrachloro-m-xylene		1545621850	1670448987	1600956100	1623877080	1377345600	1563649923	7
Aroclor-1248-1	(1)	38942472	38080832	42980810	46736940	49867020	43321615	12
Aroclor-1248-2	(2)	50685144	49386624	55814958	61079164	65420760	56477330	12
Aroclor-1248-3	(3)	53612101	51937139	58301874	64007240	67677000	59107071	11
Aroclor-1248-4	(4)	63542852	61081784	68799052	75621092	79219440	69652844	11
Aroclor-1248-5	(5)	63751699	62374025	69241268	74501112	78829180	69739457	10
Decachlorobiphenyl		1077930460	1066864453	1129616840	1218519160	1187538600	1136093903	6
Tetrachloro-m-xylene		1585370290	1544149787	1686359520	1807980440	1717995000	1668371007	6
Aroclor-1254-1	(1)	88394708	92134828	103452628	109580892	106208260	99954263	9

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	75158218	78808232	90151838	93786952	93629340	86306916	10
Aroclor-1254-3	(3)	118588697	123091027	137573488	140955076	122895140	128620686	8
Aroclor-1254-4	(4)	76184182	79817879	90049888	92363636	88066400	85296397	8
Aroclor-1254-5	(5)	103321222	111630831	120507404	120857332	110441220	113351602	7
Decachlorobiphenyl		1048618240	1081081133	1110321040	1211638680	1138223000	1117976419	6
Tetrachloro-m-xylene		1515554540	1677026120	1758978840	1703246040	1394379800	1609837068	9
Aroclor-1268-1	(1)	212587803	222334836	235771254	243664628	256729280	234217560	7
Aroclor-1268-2	(2)	188526781	196925783	208389682	217661736	222594360	206819668	7
Aroclor-1268-3	(3)	155195263	161035703	174669460	176674312	179279020	169370752	6
Aroclor-1268-4	(4)	67370219	71019111	74855072	76562592	74977520	72956903	5
Aroclor-1268-5	(5)	431064337	442819956	457037218	461770552	492119380	456962289	5
Decachlorobiphenyl		1753973260	1820277787	1902401960	1966032280	2130248600	1914586777	8
Tetrachloro-m-xylene		1581658390	1604094987	1649636500	1662342440	1498230000	1599192463	4

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.70	4.60	4.80	25133000
		2	4.79	4.69	4.89	17981400
		3	4.86	4.76	4.96	58509600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.09	7.99	8.19	133245000
		2	8.41	8.31	8.51	272386000
		3	8.72	8.62	8.82	185530000
		4	8.81	8.71	8.91	134281000
		5	9.46	9.36	9.56	92460600

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	23124400
		2	4.09	3.99	4.19	17698400
		3	4.17	4.07	4.27	52270400
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.92	6.82	7.02	113028000
		2	7.18	7.08	7.28	97127000
		3	7.70	7.60	7.80	81531200
		4	7.77	7.67	7.87	140624000
		5	8.27	8.17	8.37	65083800

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:42
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:58:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.498	3.791	194.5E6	154.8E6	96.811	98.534
2)	SA Decachlor...	10.214	8.822	153.8E6	92020898	96.351	91.411
	Target Compounds						
3)	L1 AR-1016-1	5.653	4.877	66878491	54525663	936.093	955.267
4)	L1 AR-1016-2	5.675	4.895	99468528	79772717	947.379	966.582
5)	L1 AR-1016-3	5.737	5.072	61412187	42641318	951.196	947.882
6)	L1 AR-1016-4	5.835	5.114	50363803	33654246	953.177	941.833
7)	L1 AR-1016-5	6.128	5.329	45437165	43791070	953.043	942.793
31)	L7 AR-1260-1	7.249	6.364	85553757	72244144	953.187	946.735
32)	L7 AR-1260-2	7.503	6.553	135.7E6	87664004	971.503	941.843
33)	L7 AR-1260-3	7.861	6.705	109.0E6	79909091	963.139	946.529
34)	L7 AR-1260-4	8.085	7.177	102.1E6	64349922	958.508	939.431
35)	L7 AR-1260-5	8.404	7.419	228.9E6	161.3E6	974.541	951.851

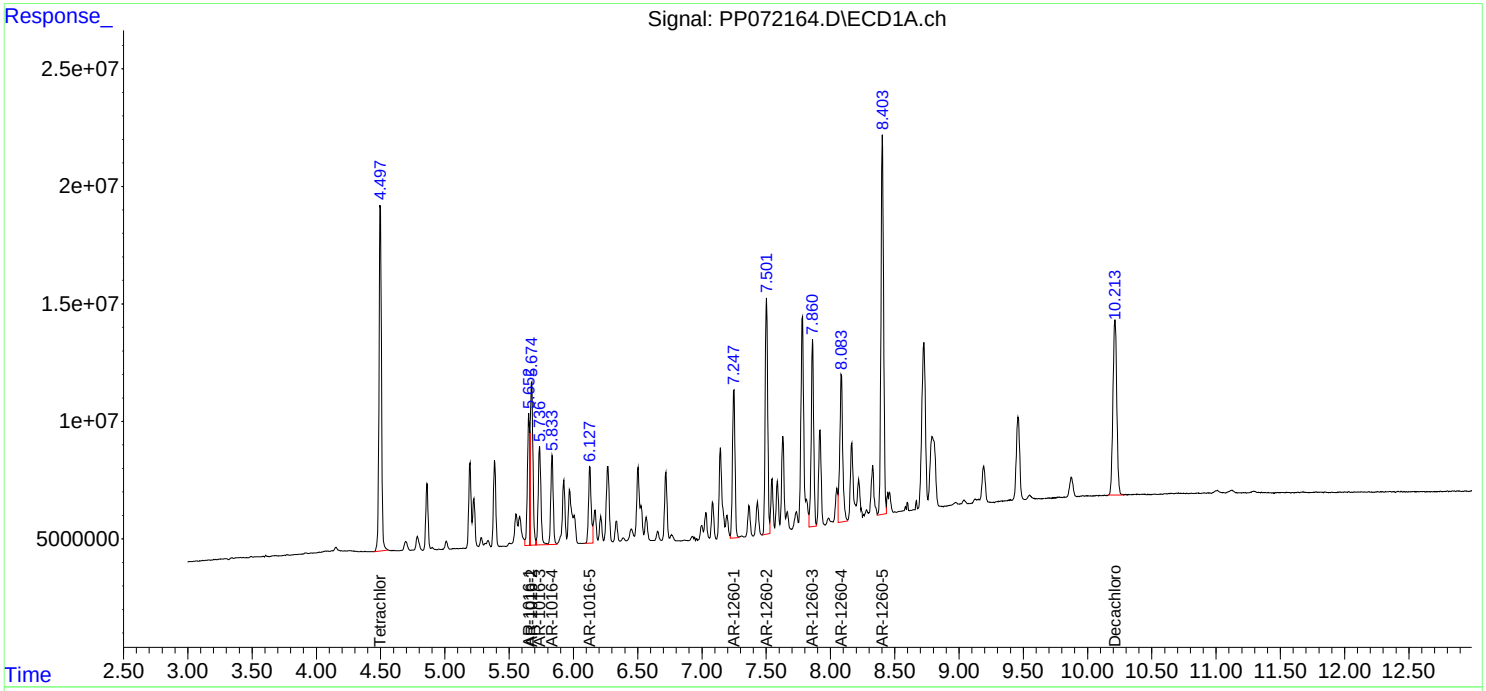
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

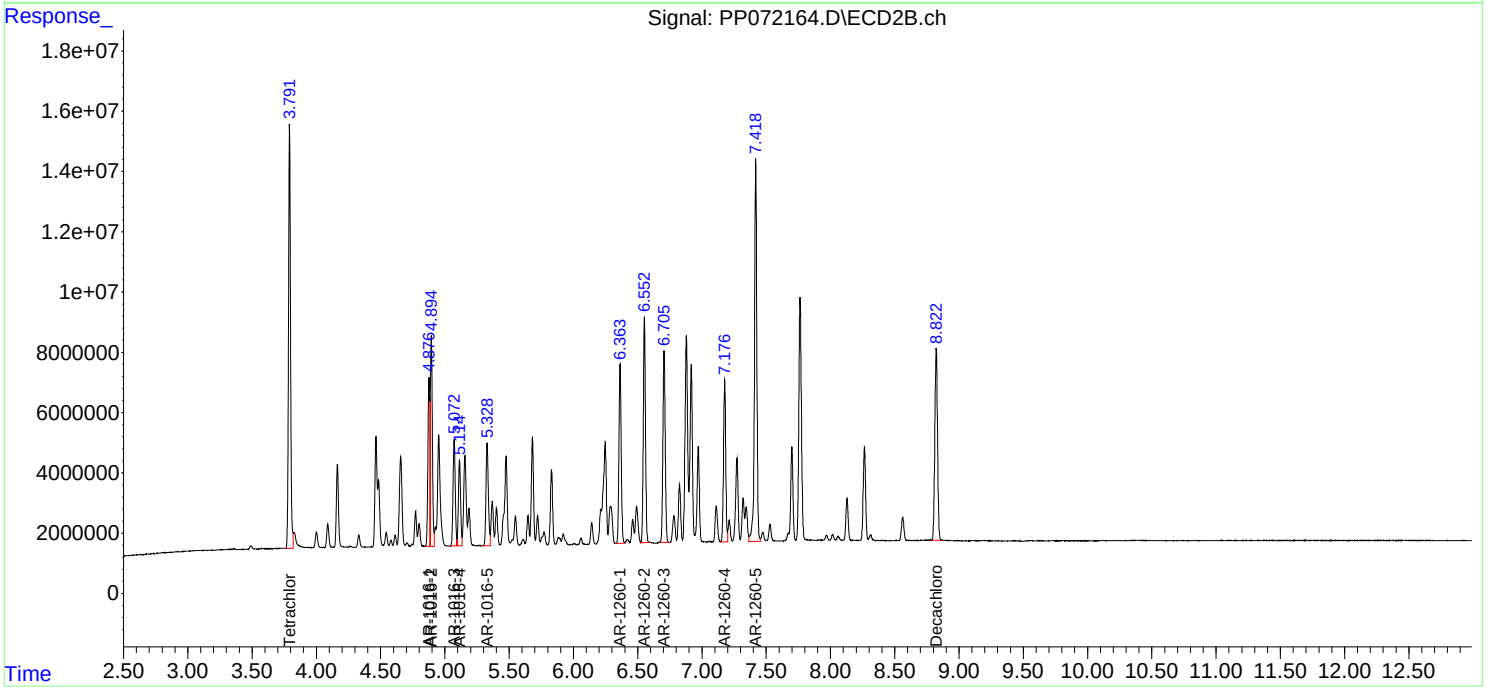
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:42
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

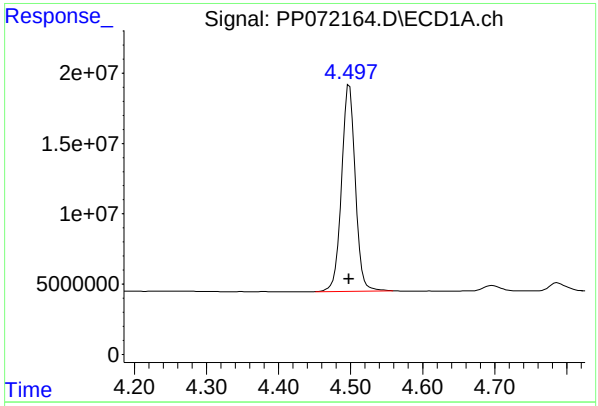
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:58:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



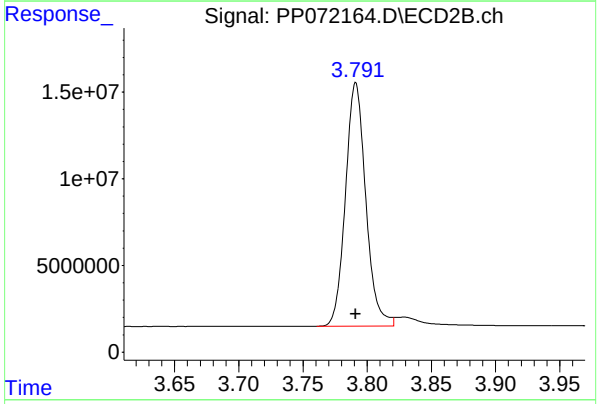




#1 Tetrachloro-m-xylene

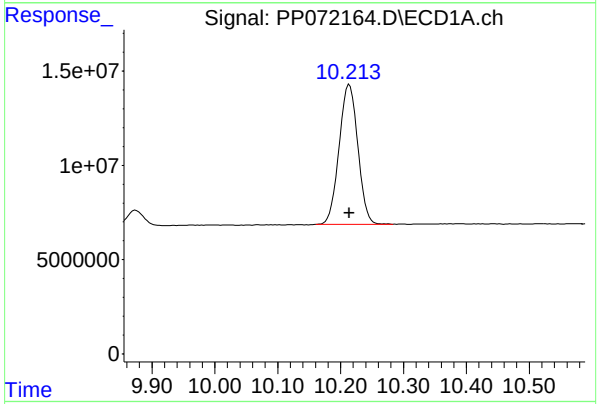
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 194469976
Conc: 96.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



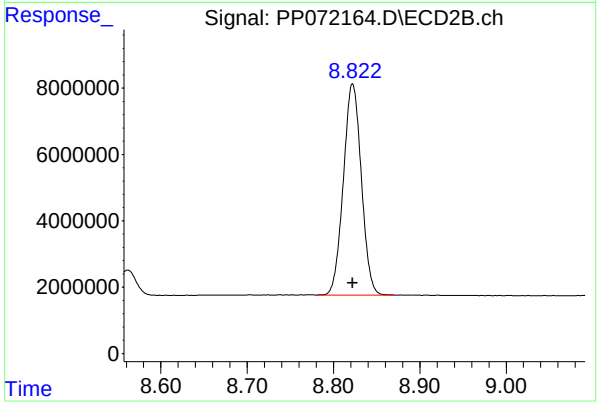
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: 0.000 min
Response: 154764993
Conc: 98.53 ng/ml



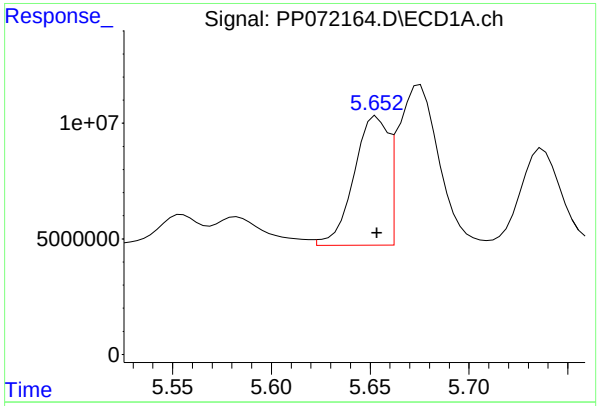
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 153826622
Conc: 96.35 ng/ml



#2 Decachlorobiphenyl

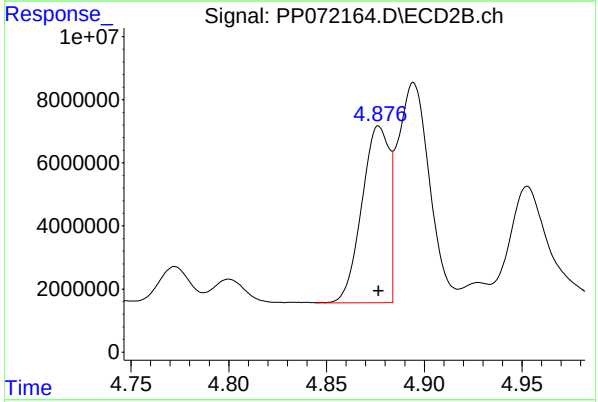
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 92020898
Conc: 91.41 ng/ml



#3 AR-1016-1

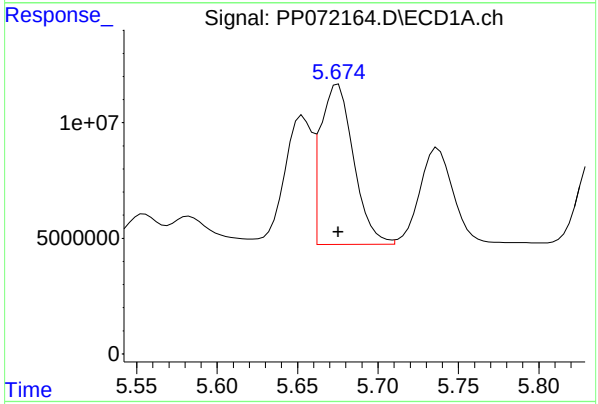
R.T.: 5.653 min
Delta R.T.: 0.000 min
Response: 66878491
Conc: 936.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



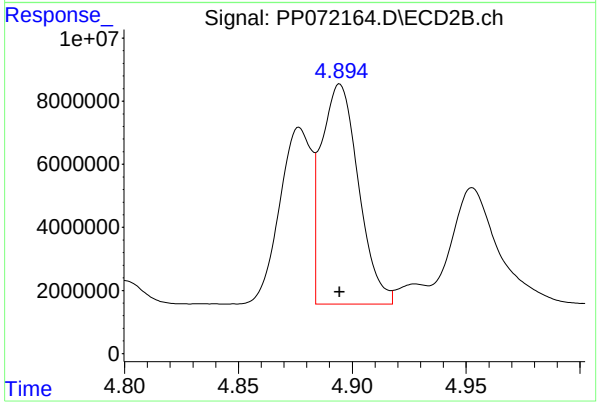
#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 54525663
Conc: 955.27 ng/ml



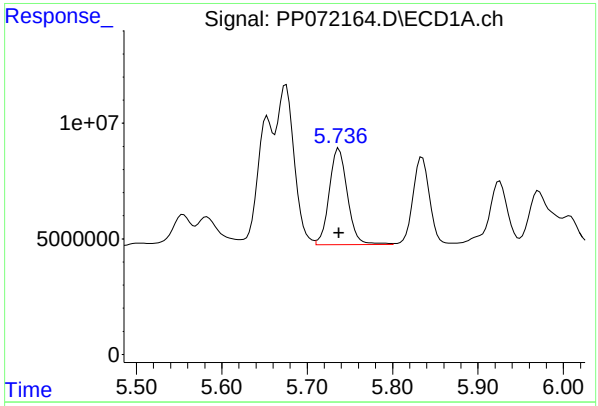
#4 AR-1016-2

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 99468528
Conc: 947.38 ng/ml



#4 AR-1016-2

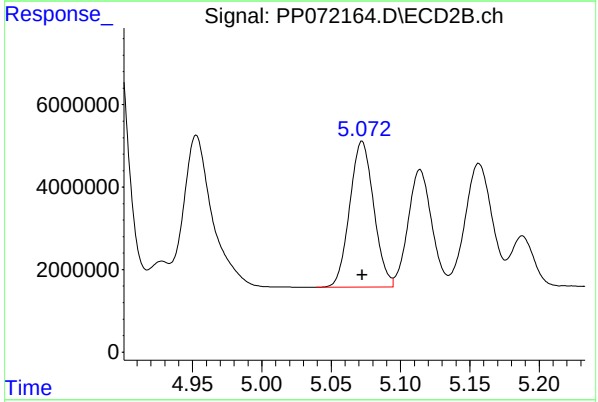
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 79772717
Conc: 966.58 ng/ml



#5 AR-1016-3

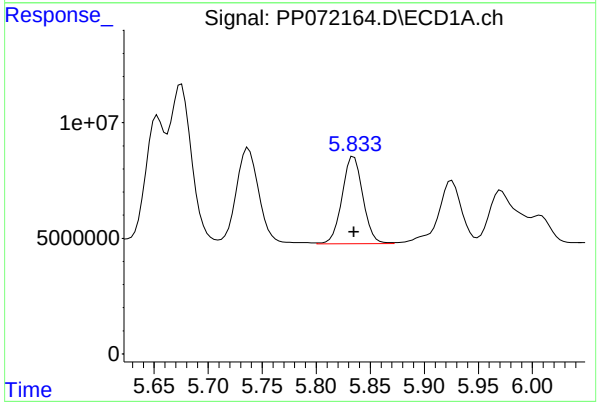
R.T.: 5.737 min
Delta R.T.: 0.000 min
Response: 61412187
Conc: 951.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



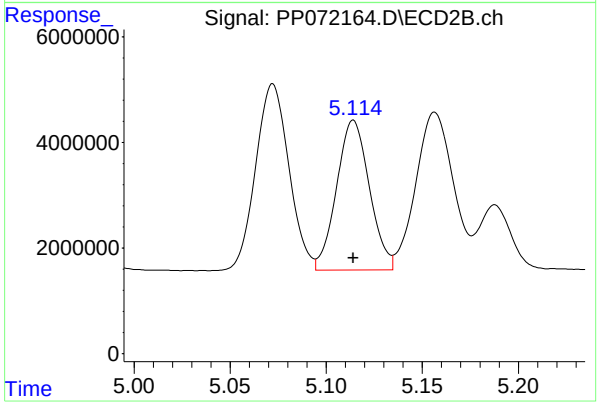
#5 AR-1016-3

R.T.: 5.072 min
Delta R.T.: 0.000 min
Response: 42641318
Conc: 947.88 ng/ml



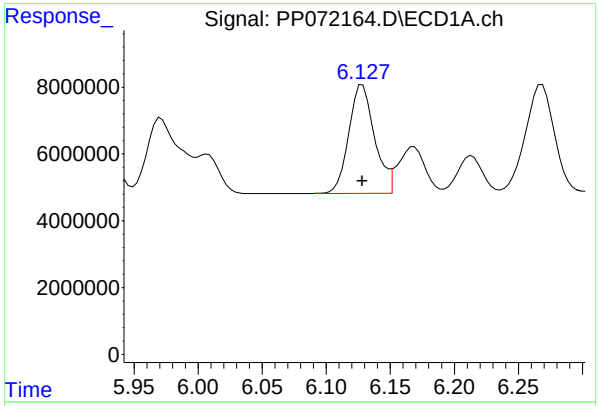
#6 AR-1016-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 50363803
Conc: 953.18 ng/ml



#6 AR-1016-4

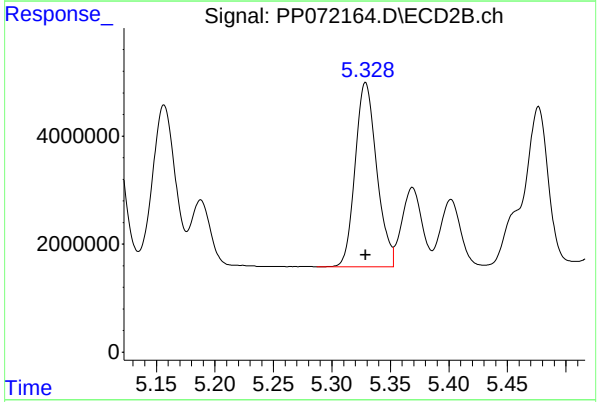
R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 33654246
Conc: 941.83 ng/ml



#7 AR-1016-5

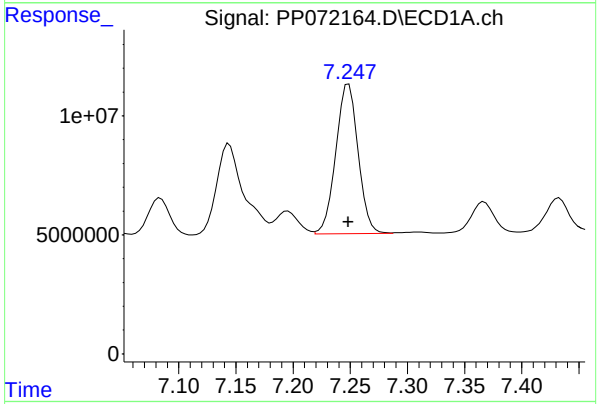
R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 45437165
Conc: 953.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



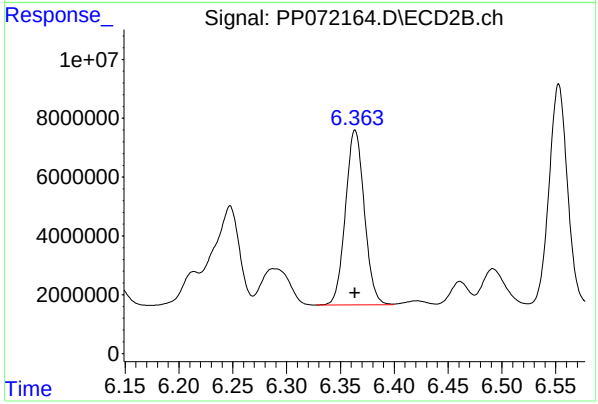
#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 43791070
Conc: 942.79 ng/ml



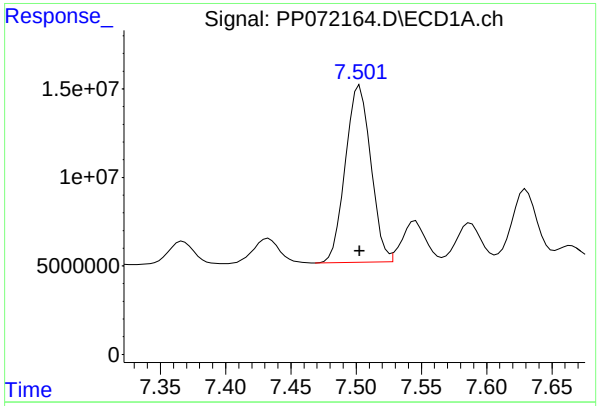
#31 AR-1260-1

R.T.: 7.249 min
Delta R.T.: 0.000 min
Response: 85553757
Conc: 953.19 ng/ml



#31 AR-1260-1

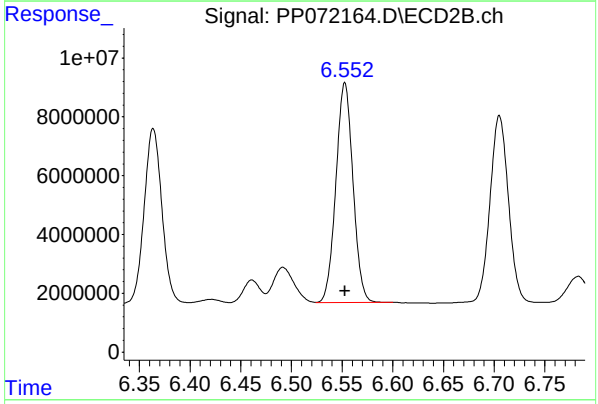
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 72244144
Conc: 946.74 ng/ml



#32 AR-1260-2

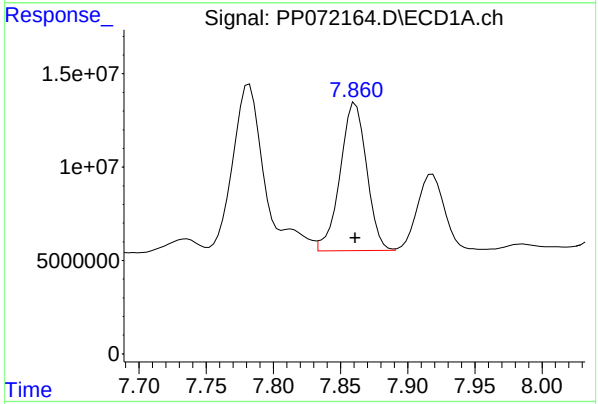
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 135650987
Conc: 971.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



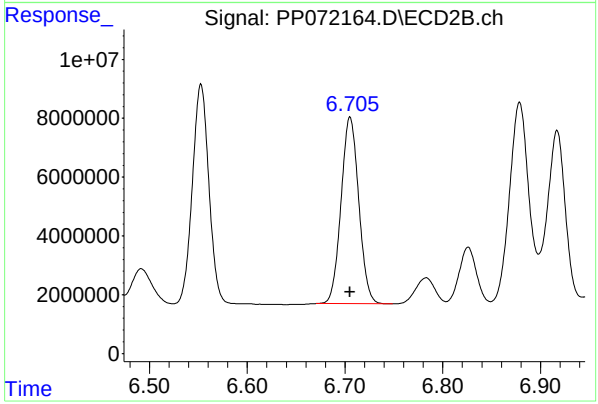
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 87664004
Conc: 941.84 ng/ml



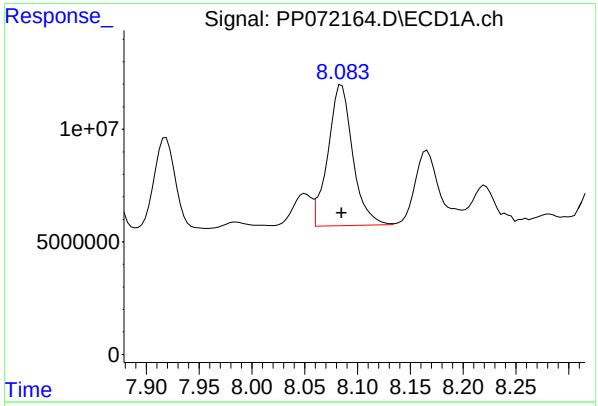
#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 109042220
Conc: 963.14 ng/ml



#33 AR-1260-3

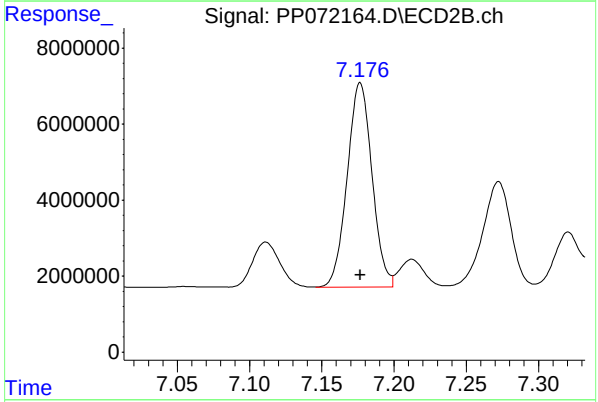
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 79909091
Conc: 946.53 ng/ml



#34 AR-1260-4

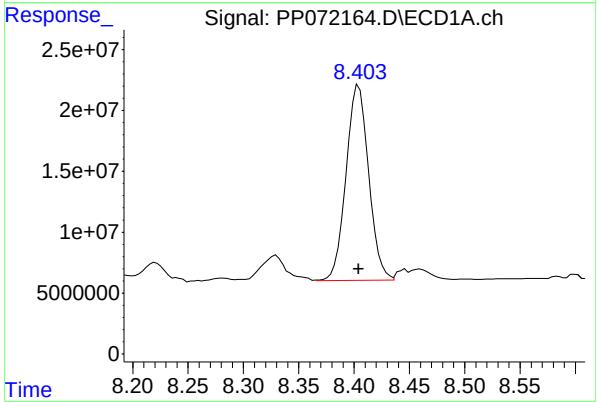
R.T.: 8.085 min
Delta R.T.: 0.000 min
Response: 102101329
Conc: 958.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



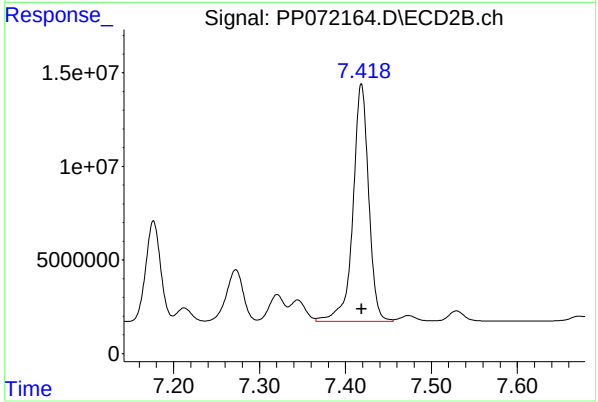
#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 64349922
Conc: 939.43 ng/ml



#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 228876095
Conc: 974.54 ng/ml



#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 161315528
Conc: 951.85 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:59
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.496	3.789	152.0E6	118.8E6	75.442	75.431
2)	SA Decachlor...	10.213	8.822	121.3E6	78372372	75.657	76.878
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.876	52371638	44137111	738.609	765.351
4)	L1 AR-1016-2	5.673	4.894	78350662	64615816	747.492	771.637
5)	L1 AR-1016-3	5.736	5.071	48176186	34764296	747.454	765.036
6)	L1 AR-1016-4	5.833	5.114	40053007	27566181	755.339	764.168
7)	L1 AR-1016-5	6.127	5.328	35956306	35808108	752.783	763.822
31)	L7 AR-1260-1	7.247	6.363	67759813	56480819	753.285	743.413
32)	L7 AR-1260-2	7.500	6.552	103.3E6	67774056	743.256	735.291
33)	L7 AR-1260-3	7.860	6.705	84615905	60994772	748.257	731.431
34)	L7 AR-1260-4	8.084	7.176	80330794	50763991	752.749	744.038
35)	L7 AR-1260-5	8.404	7.418	175.3E6	125.2E6	747.551	742.474

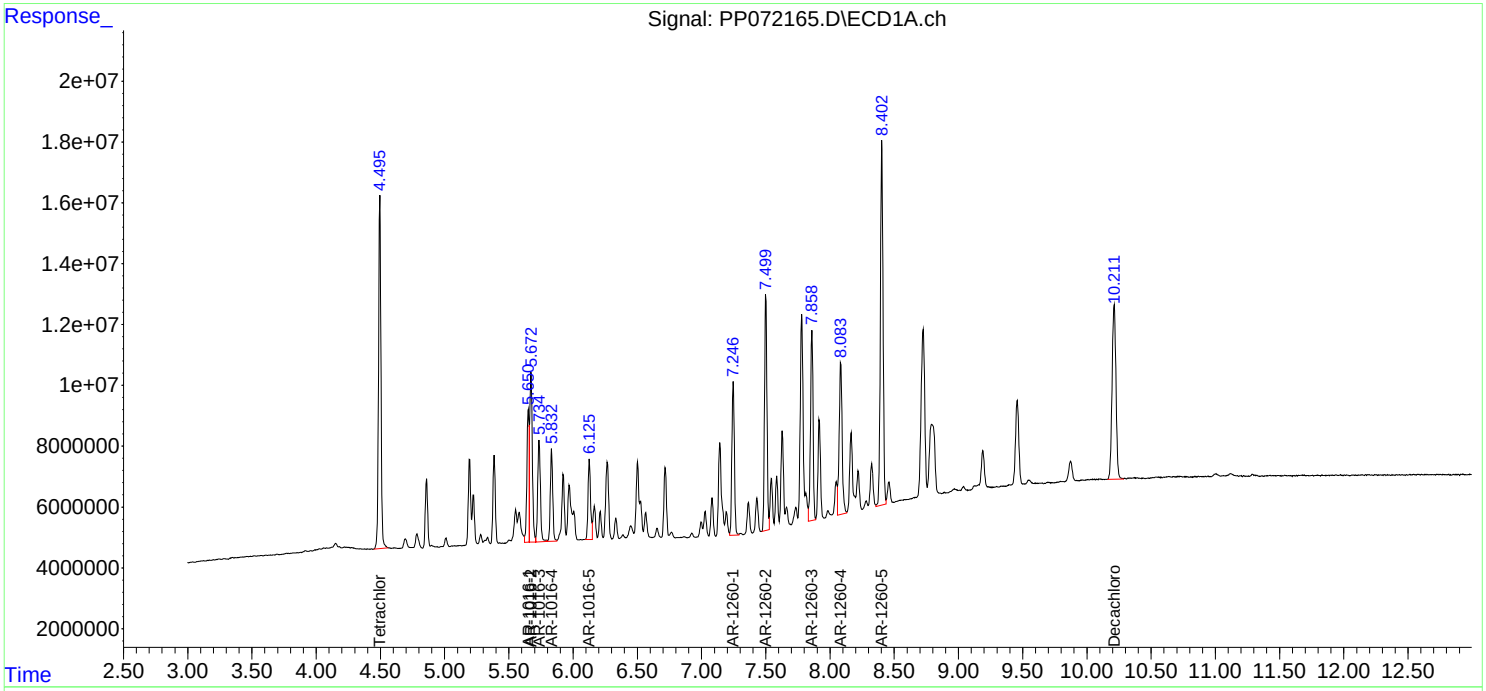
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

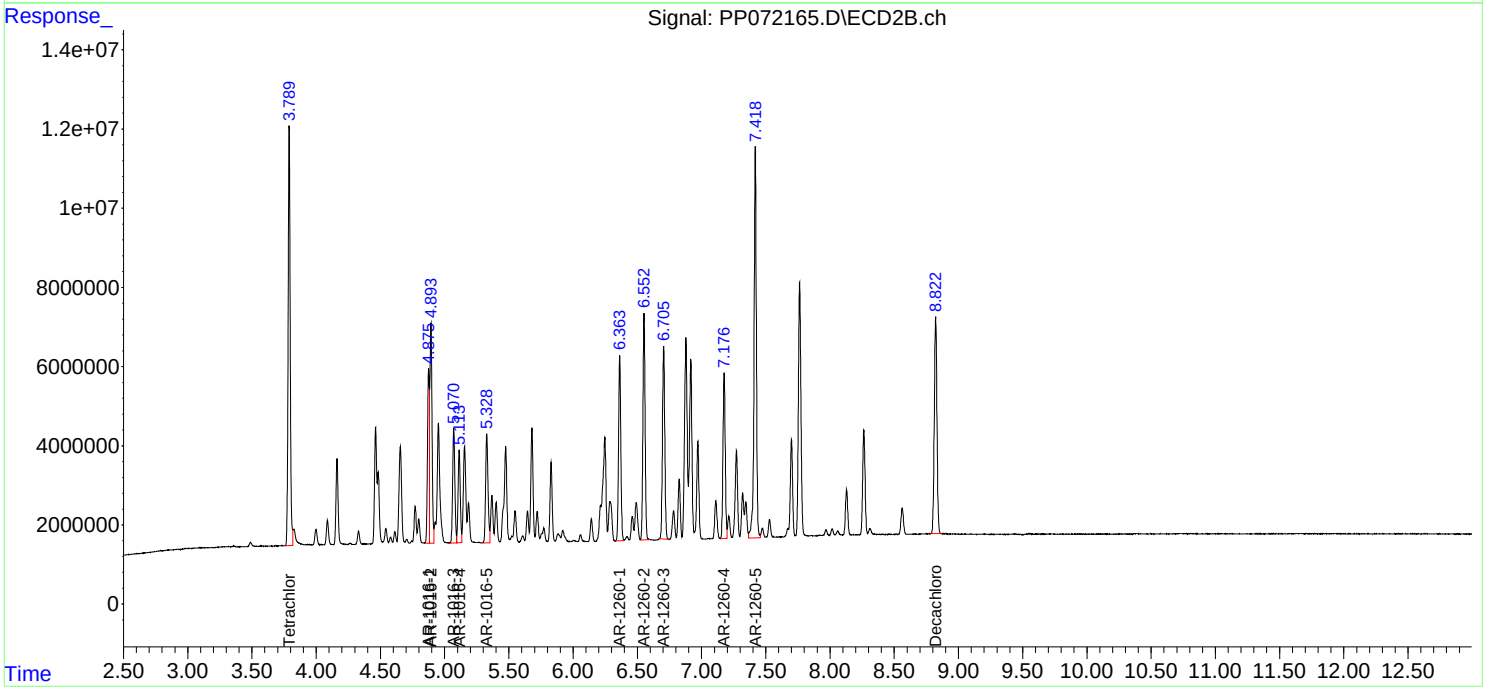
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:59
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

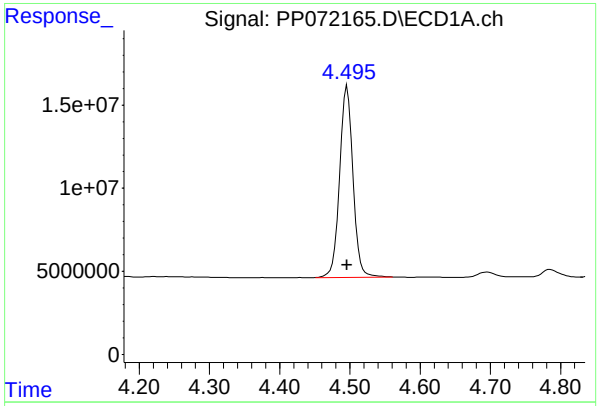
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



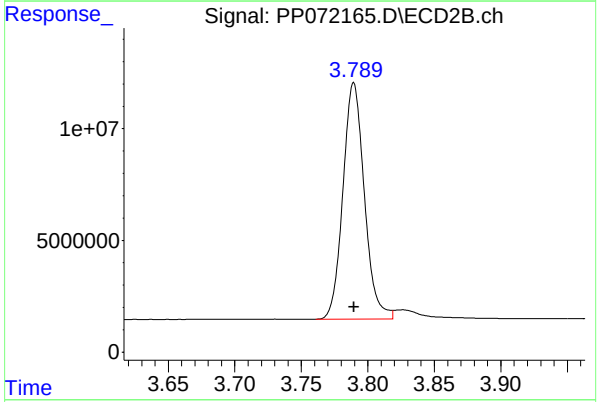




#1 Tetrachloro-m-xylene

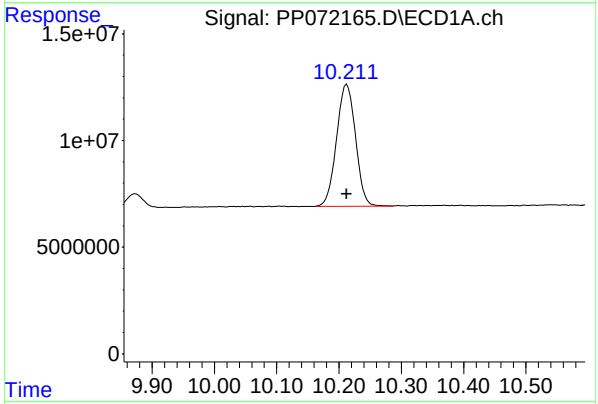
R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 151992150
Conc: 75.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



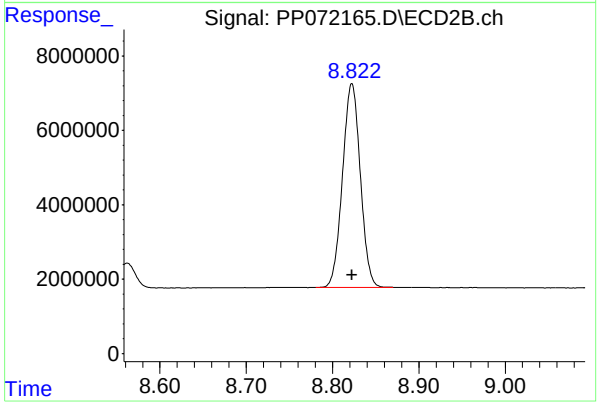
#1 Tetrachloro-m-xylene

R.T.: 3.789 min
Delta R.T.: 0.000 min
Response: 118818233
Conc: 75.43 ng/ml



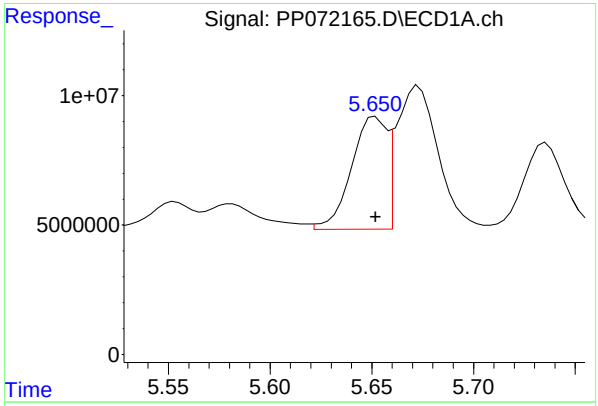
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 121319339
Conc: 75.66 ng/ml



#2 Decachlorobiphenyl

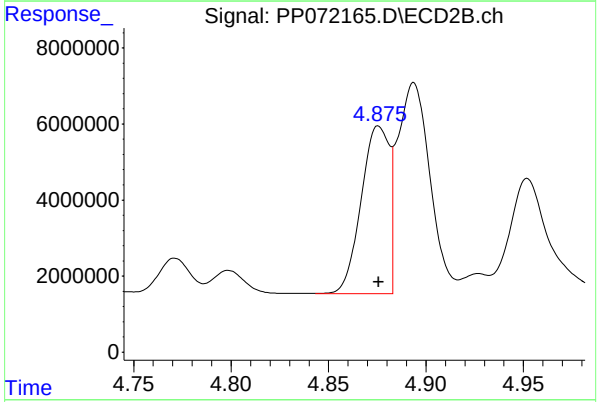
R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 78372372
Conc: 76.88 ng/ml



#3 AR-1016-1

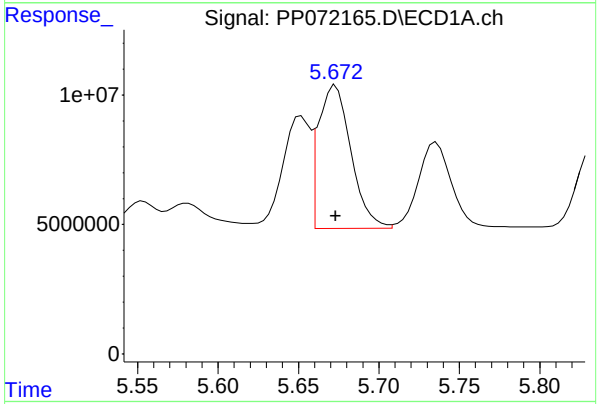
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 52371638
Conc: 738.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



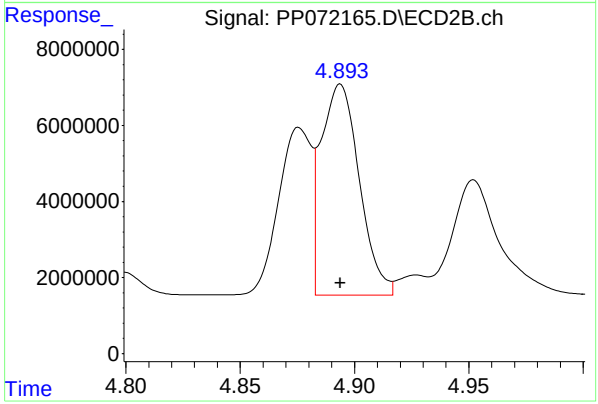
#3 AR-1016-1

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 44137111
Conc: 765.35 ng/ml



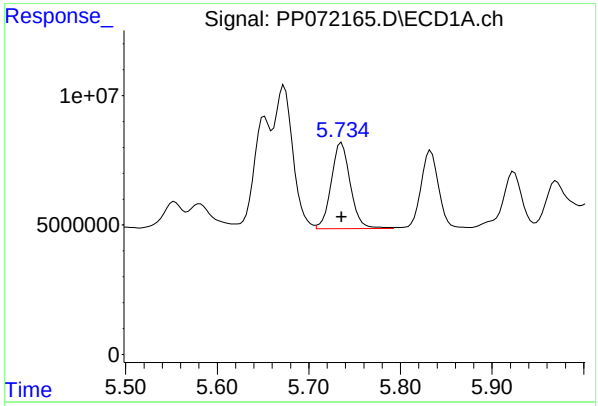
#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 78350662
Conc: 747.49 ng/ml



#4 AR-1016-2

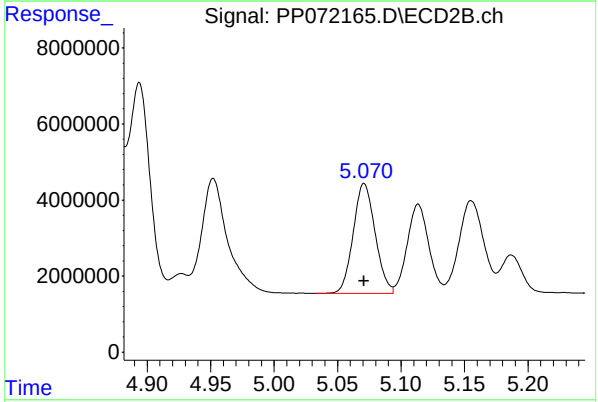
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 64615816
Conc: 771.64 ng/ml



#5 AR-1016-3

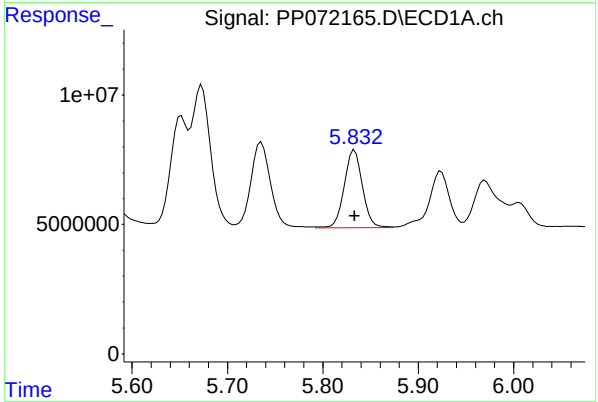
R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 48176186
Conc: 747.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



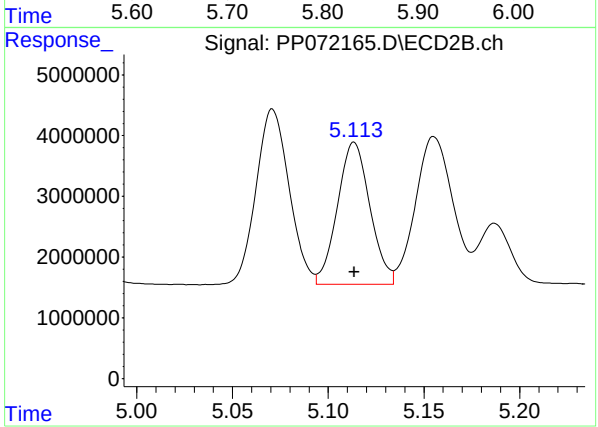
#5 AR-1016-3

R.T.: 5.071 min
Delta R.T.: 0.000 min
Response: 34764296
Conc: 765.04 ng/ml



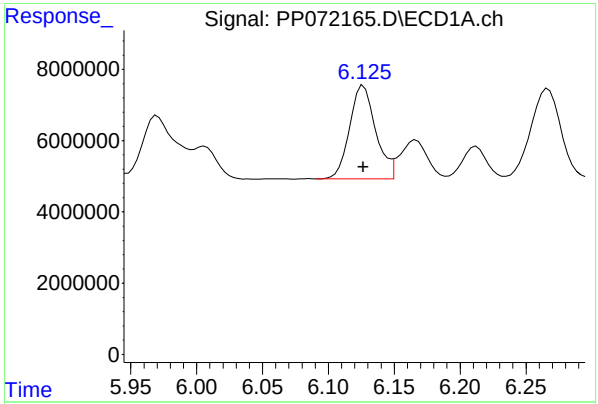
#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 40053007
Conc: 755.34 ng/ml



#6 AR-1016-4

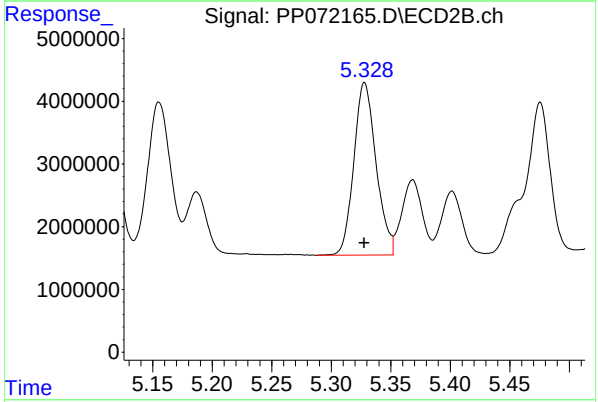
R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 27566181
Conc: 764.17 ng/ml



#7 AR-1016-5

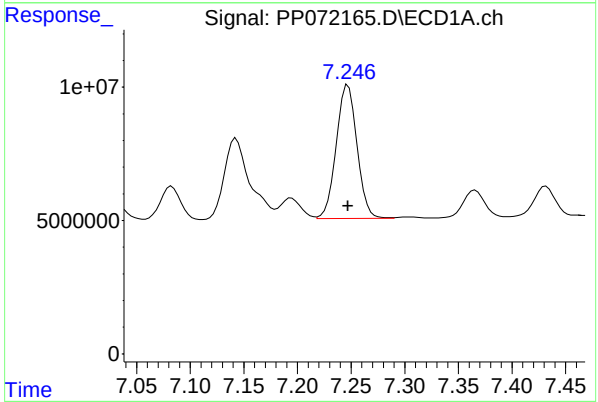
R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 35956306
Conc: 752.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



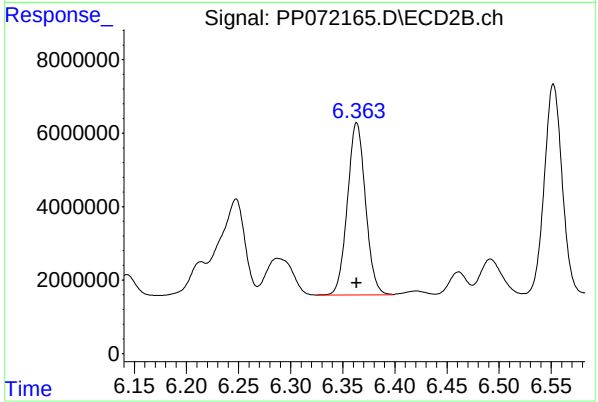
#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: 0.000 min
Response: 35808108
Conc: 763.82 ng/ml



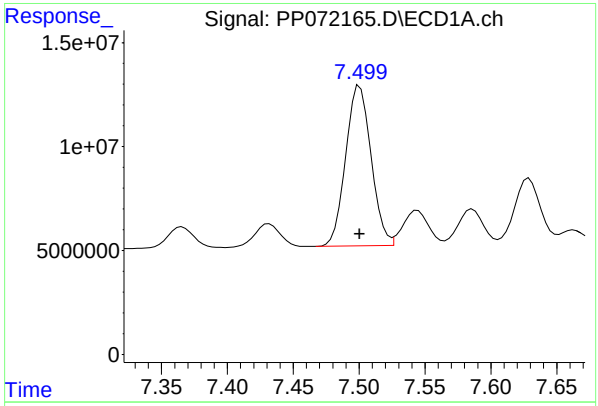
#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 67759813
Conc: 753.28 ng/ml



#31 AR-1260-1

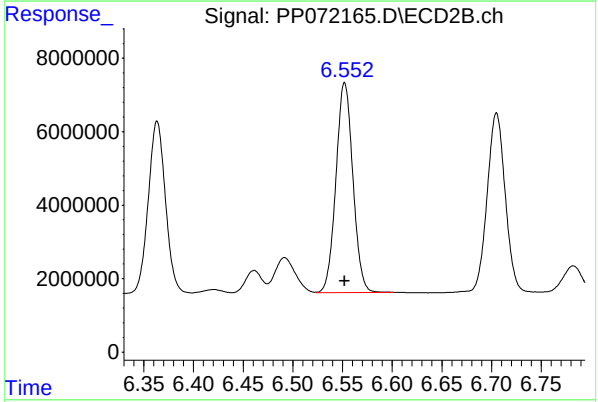
R.T.: 6.363 min
Delta R.T.: 0.000 min
Response: 56480819
Conc: 743.41 ng/ml



#32 AR-1260-2

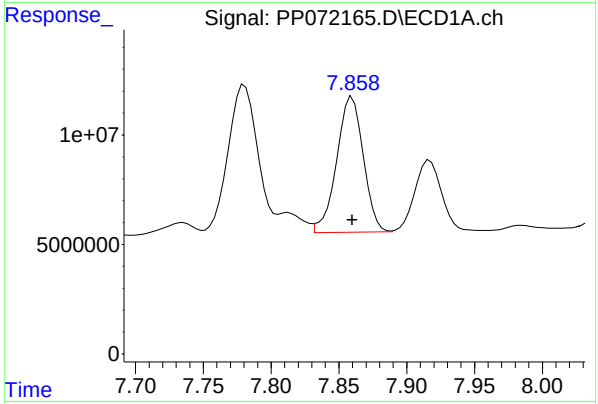
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 103316307
Conc: 743.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



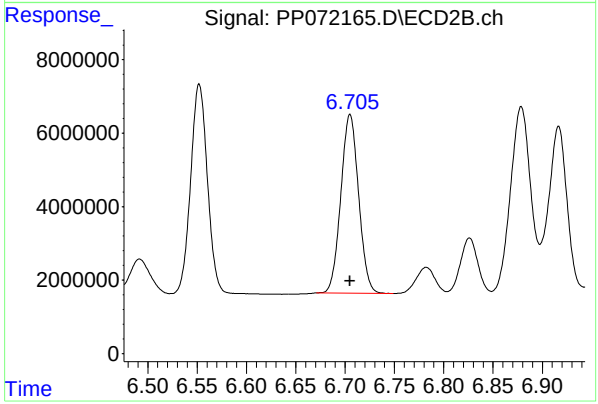
#32 AR-1260-2

R.T.: 6.552 min
Delta R.T.: 0.000 min
Response: 67774056
Conc: 735.29 ng/ml



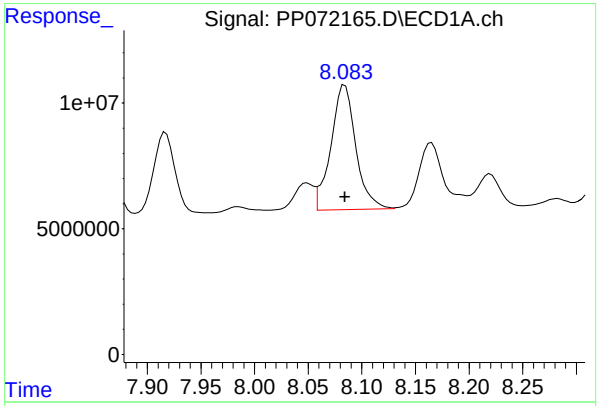
#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: 0.000 min
Response: 84615905
Conc: 748.26 ng/ml



#33 AR-1260-3

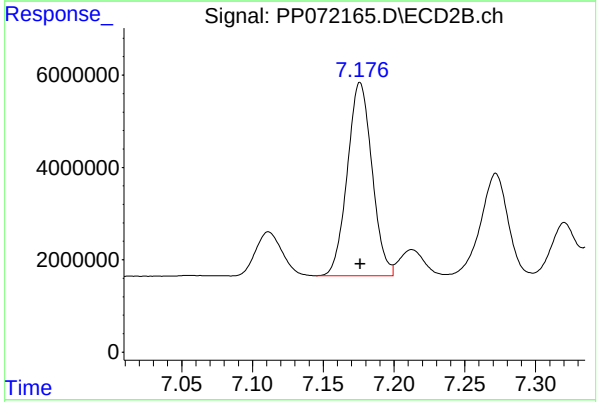
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 60994772
Conc: 731.43 ng/ml



#34 AR-1260-4

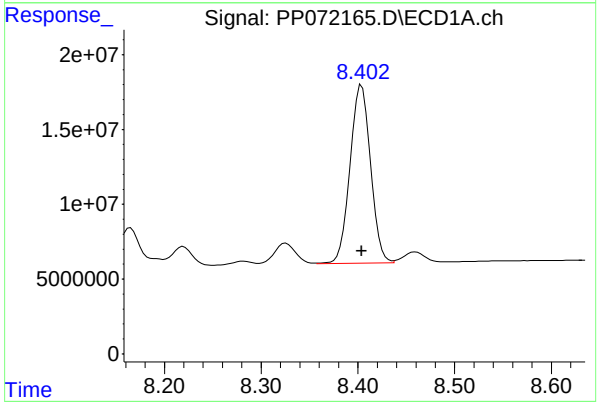
R.T.: 8.084 min
Delta R.T.: 0.000 min
Response: 80330794
Conc: 752.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



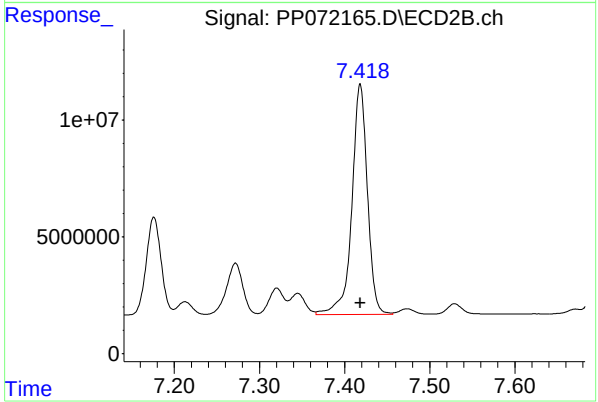
#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 50763991
Conc: 744.04 ng/ml



#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 175280166
Conc: 747.55 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 125203183
Conc: 742.47 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:15
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:55:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.496	3.791	103.6E6	79685211	50.000	50.000
2)	SA Decachlor...	10.213	8.823	82738232	54656808	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.877	38005022	29816144	500.000	500.000
4)	L1 AR-1016-2	5.674	4.895	55259111	42644379	500.000	500.000
5)	L1 AR-1016-3	5.736	5.073	33857030	23665215	500.000	500.000
6)	L1 AR-1016-4	5.834	5.115	27655933	18905601	500.000	500.000
7)	L1 AR-1016-5	6.127	5.329	24957303	24552684	500.000	500.000
31)	L7 AR-1260-1	7.247	6.364	46978579	40186653	500.000	500.000
32)	L7 AR-1260-2	7.501	6.553	71804602	49245044	500.000	500.000
33)	L7 AR-1260-3	7.860	6.706	58694311	44468768	500.000	500.000
34)	L7 AR-1260-4	8.085	7.177	55470384	36323860	500.000	500.000
35)	L7 AR-1260-5	8.403	7.419	120.4E6	88817890	500.000	500.000

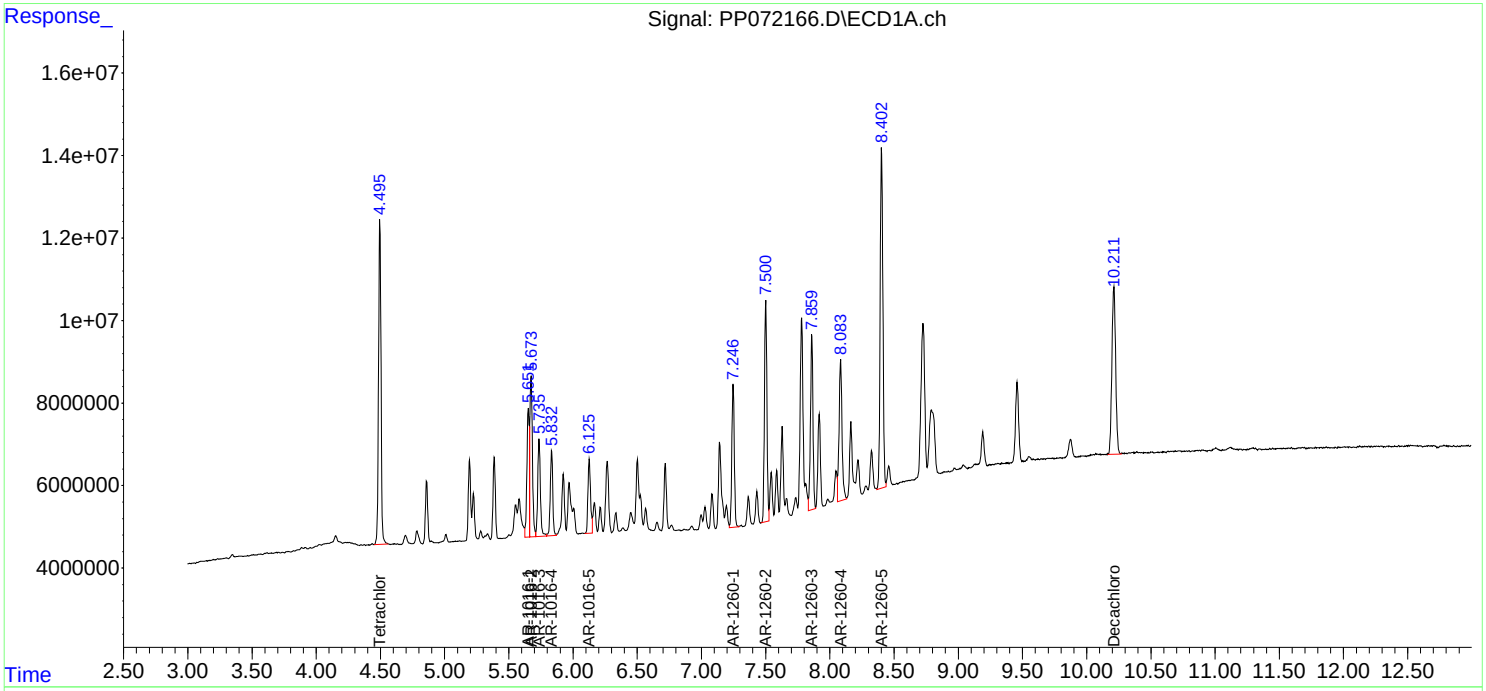
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

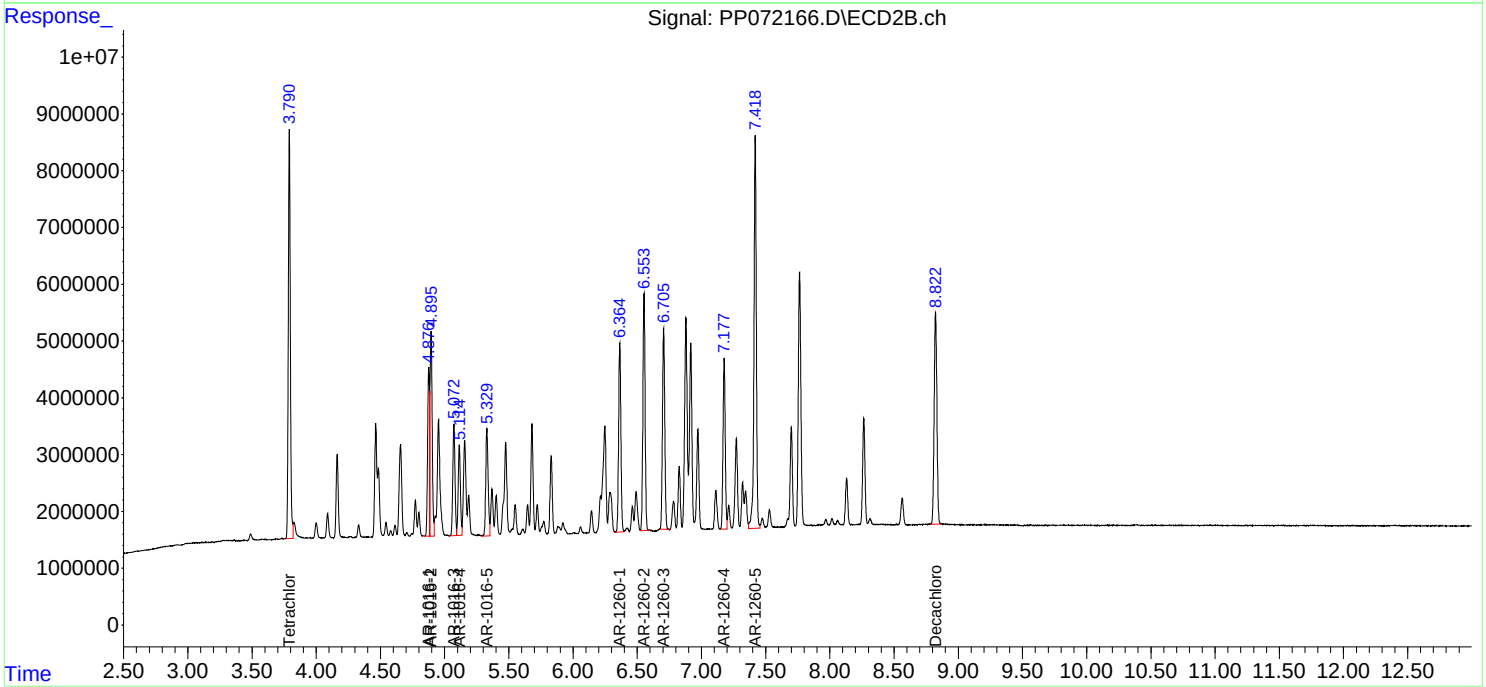
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:15
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

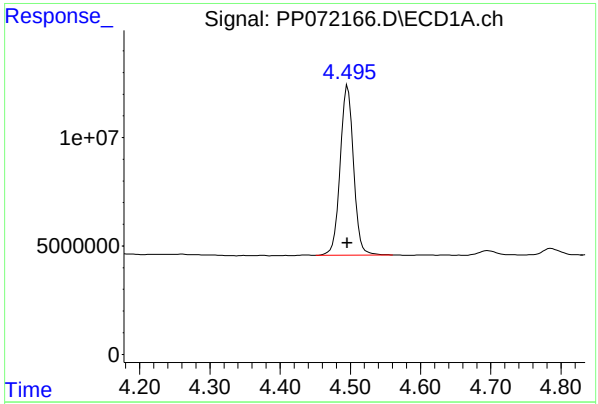
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 10:55:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



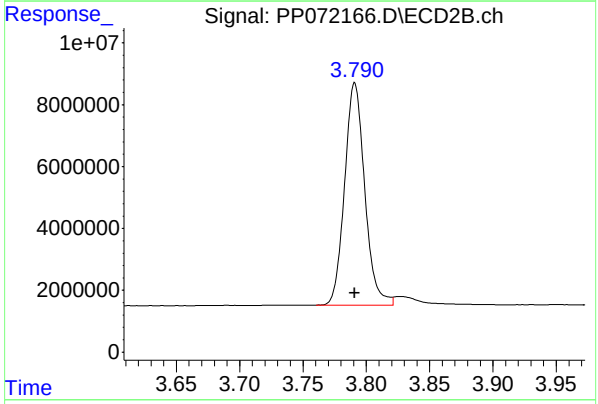




#1 Tetrachloro-m-xylene

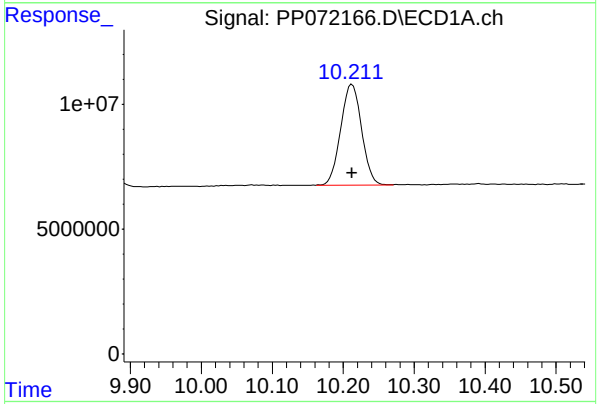
R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 103640362
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



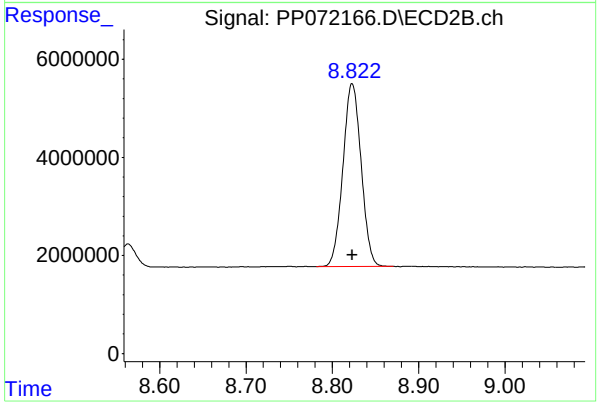
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: 0.000 min
Response: 79685211
Conc: 50.00 ng/ml



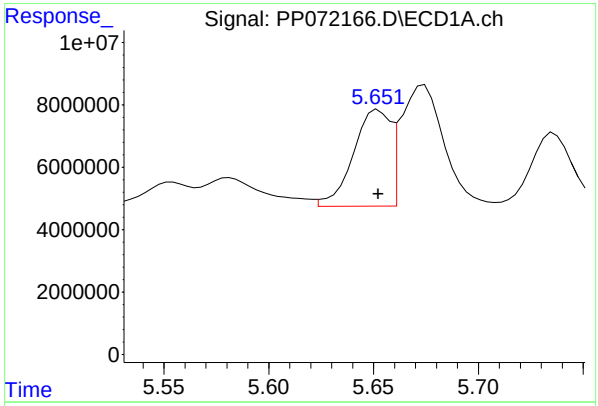
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 82738232
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

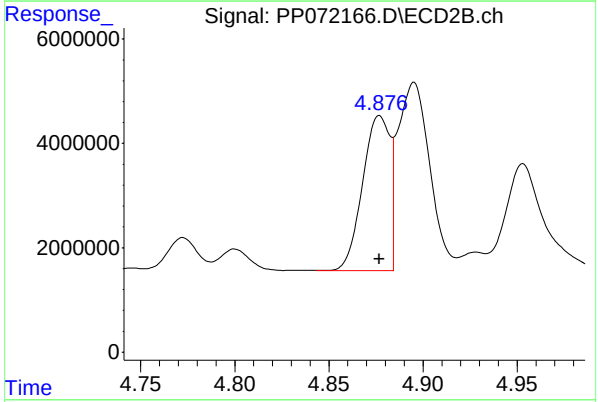
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 54656808
Conc: 50.00 ng/ml



#3 AR-1016-1

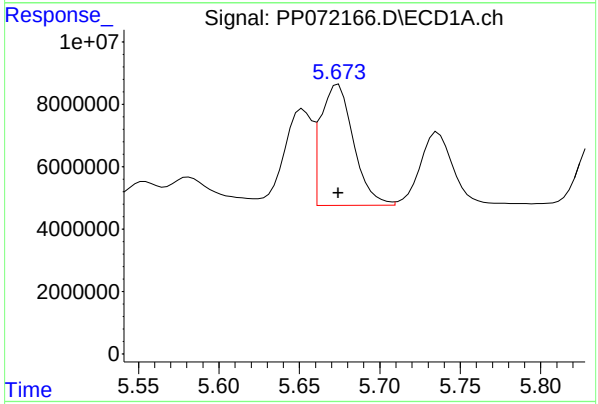
R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 38005022
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



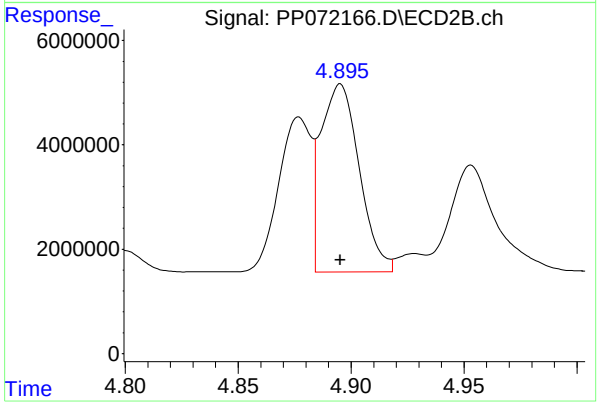
#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 29816144
Conc: 500.00 ng/ml



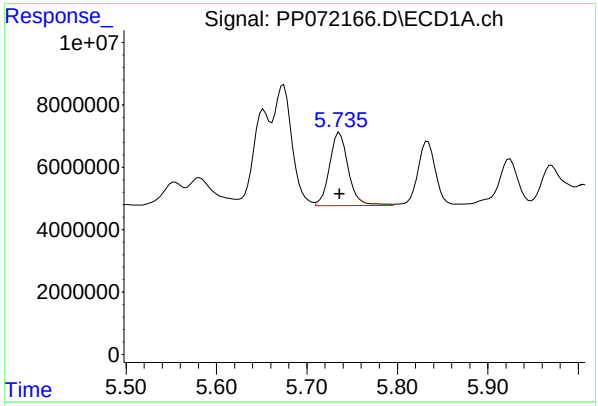
#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 55259111
Conc: 500.00 ng/ml



#4 AR-1016-2

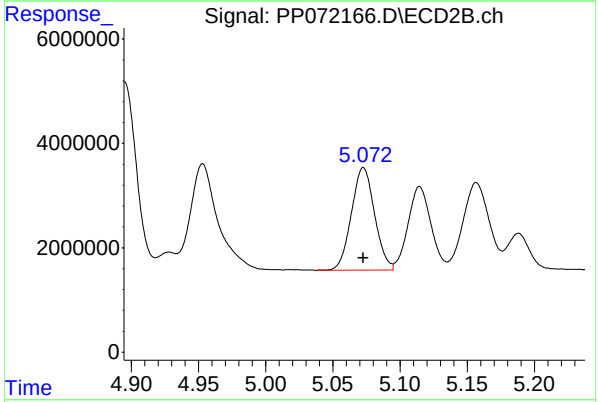
R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 42644379
Conc: 500.00 ng/ml



#5 AR-1016-3

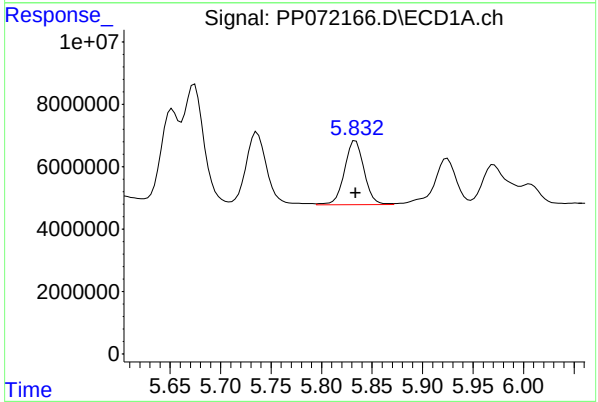
R.T.: 5.736 min
Delta R.T.: 0.000 min
Response: 33857030
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



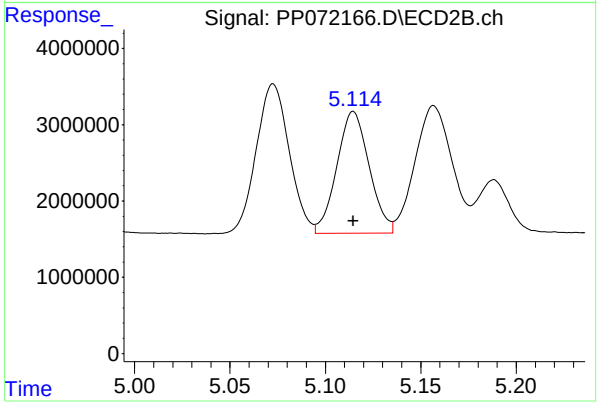
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 23665215
Conc: 500.00 ng/ml



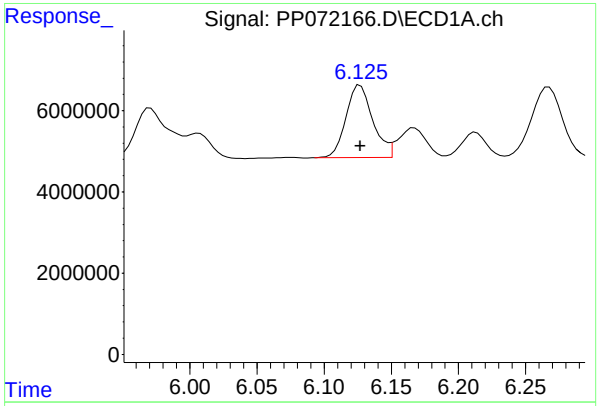
#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 27655933
Conc: 500.00 ng/ml



#6 AR-1016-4

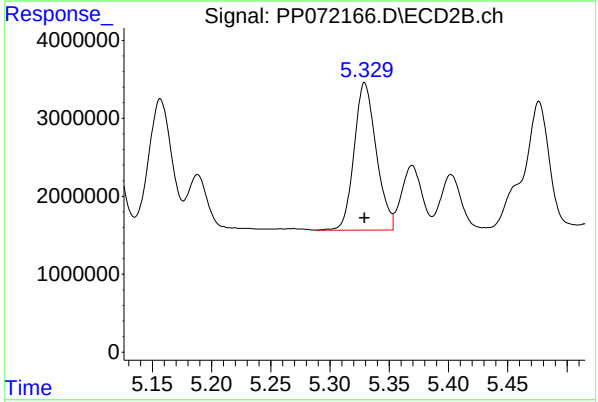
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 18905601
Conc: 500.00 ng/ml



#7 AR-1016-5

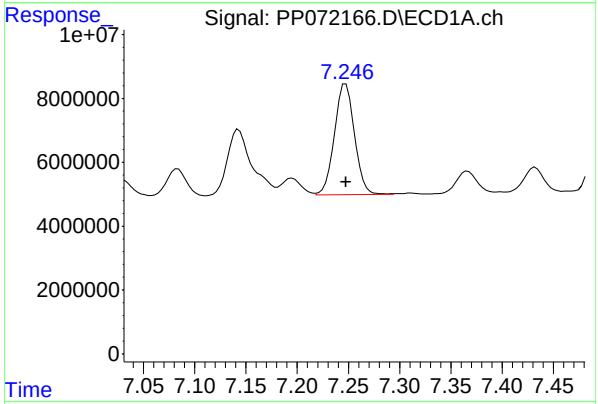
R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 24957303
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



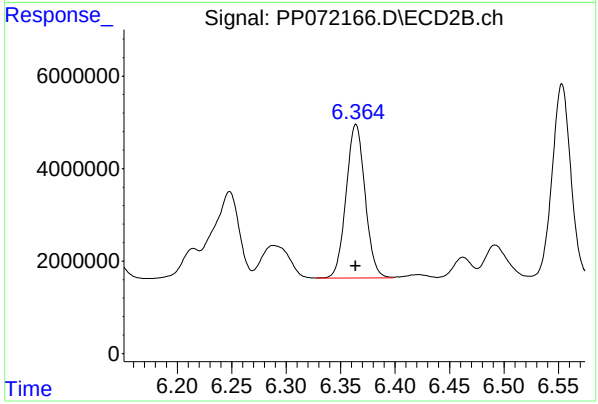
#7 AR-1016-5

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 24552684
Conc: 500.00 ng/ml



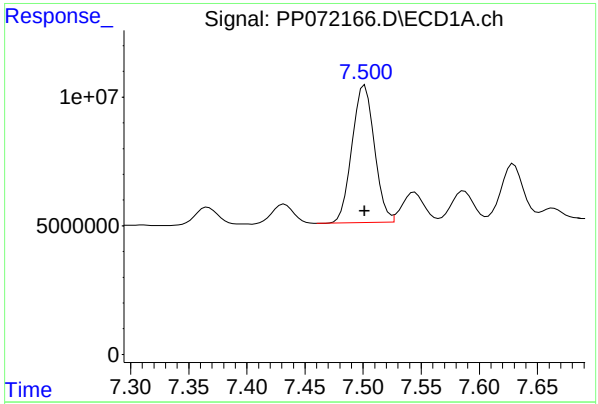
#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 46978579
Conc: 500.00 ng/ml



#31 AR-1260-1

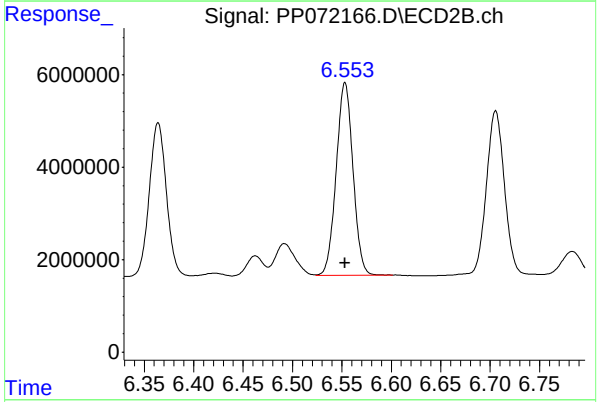
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 40186653
Conc: 500.00 ng/ml



#32 AR-1260-2

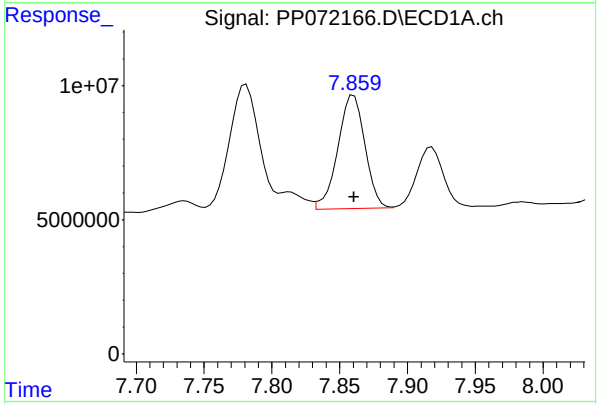
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 71804602
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



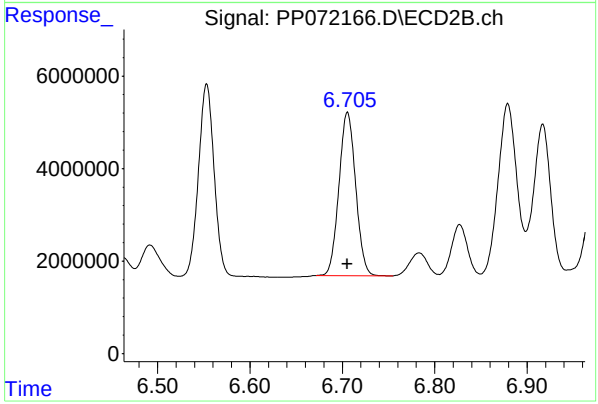
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 49245044
Conc: 500.00 ng/ml



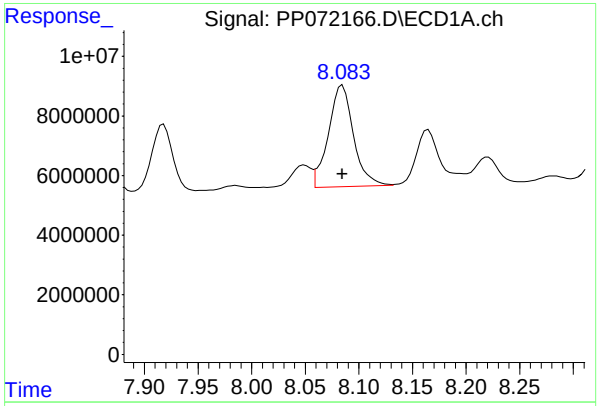
#33 AR-1260-3

R.T.: 7.860 min
Delta R.T.: 0.000 min
Response: 58694311
Conc: 500.00 ng/ml



#33 AR-1260-3

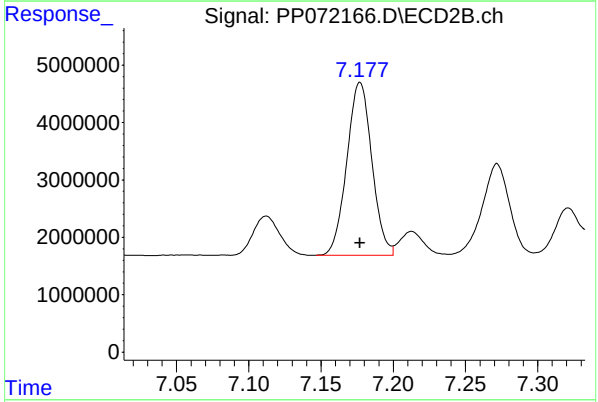
R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 44468768
Conc: 500.00 ng/ml



#34 AR-1260-4

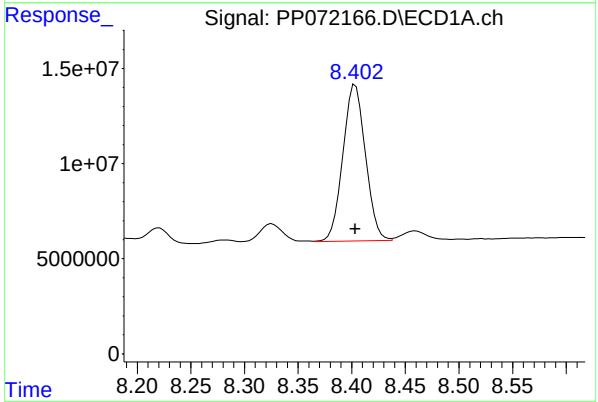
R.T.: 8.085 min
Delta R.T.: 0.000 min
Response: 55470384
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



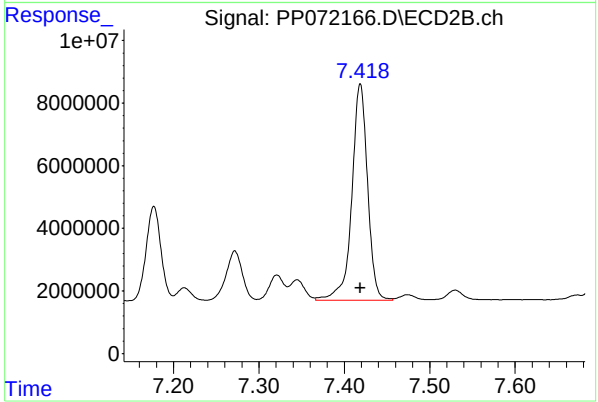
#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 36323860
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 120417133
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 88817890
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:32
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.792	53397667	40989034	26.111	25.758
2)	SA Decachlor...	10.213	8.823	42804673	29089475	26.249	27.561
	Target Compounds						
3)	L1 AR-1016-1	5.655	4.878	20802992	16128858	281.189	271.618
4)	L1 AR-1016-2	5.676	4.896	29644893	23113324	273.834	269.018
5)	L1 AR-1016-3	5.739	5.073	18387723	12747298	275.562	272.213
6)	L1 AR-1016-4	5.837	5.115	14555177	10380280	267.927	277.285
7)	L1 AR-1016-5	6.130	5.330	12797446	13425333	263.209	276.324
31)	L7 AR-1260-1	7.248	6.364	24515226	21211058	266.529	271.268
32)	L7 AR-1260-2	7.504	6.553	37350124	26231122	263.765	275.072
33)	L7 AR-1260-3	7.862	6.705	30309213	23123504	263.279	269.924
34)	L7 AR-1260-4	8.086	7.177	28647958	19427779	263.586	275.187
35)	L7 AR-1260-5	8.406	7.418	62484280	46879399	262.166	270.430

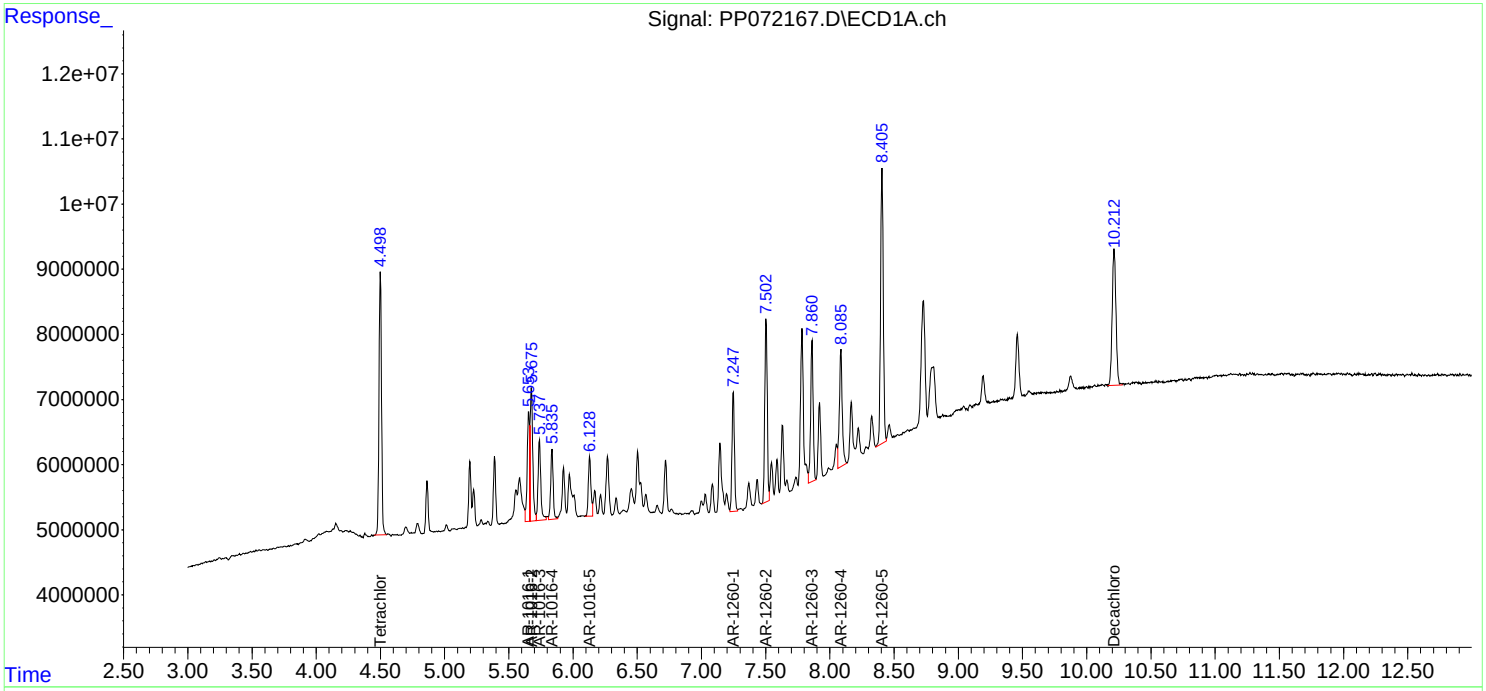
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

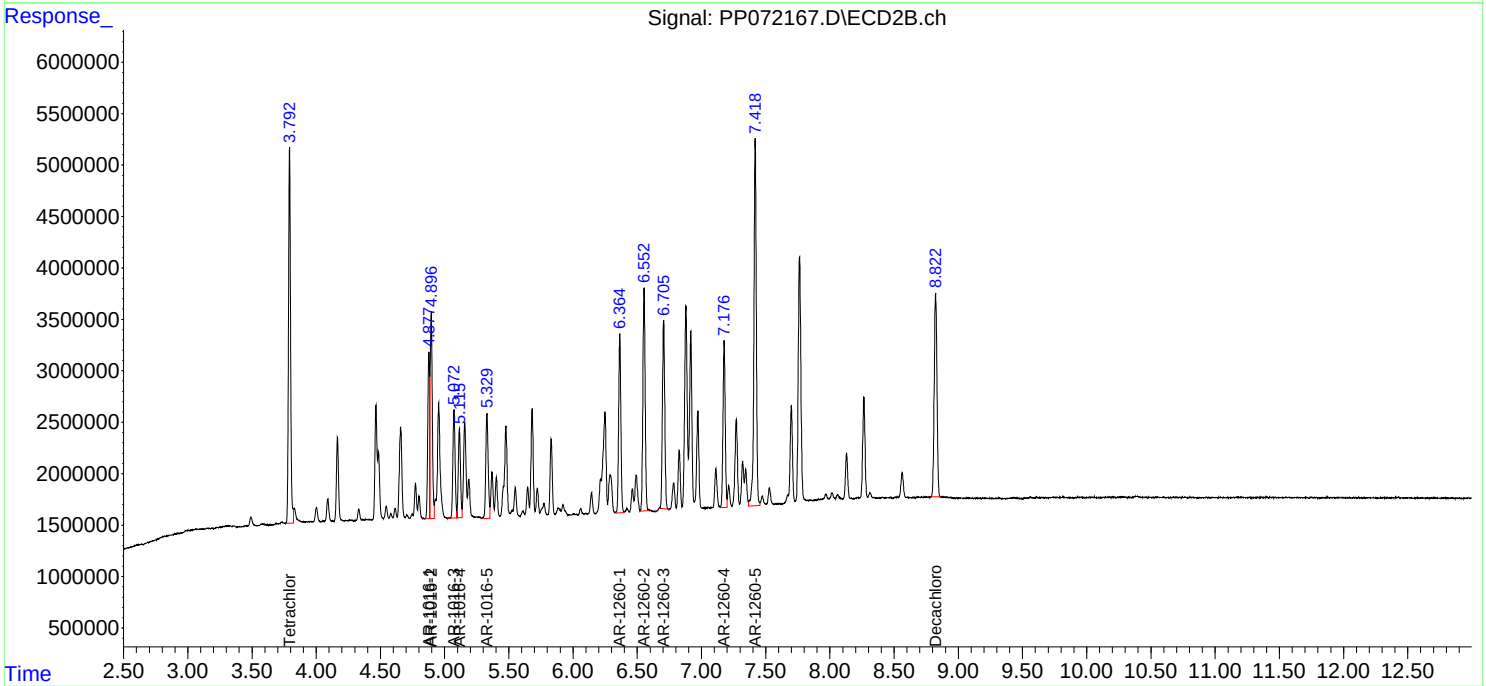
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:32
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

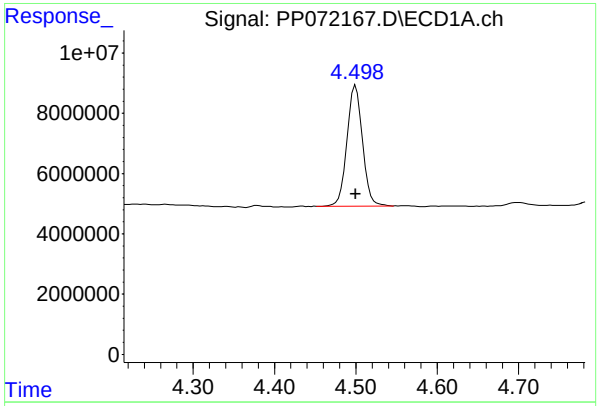
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



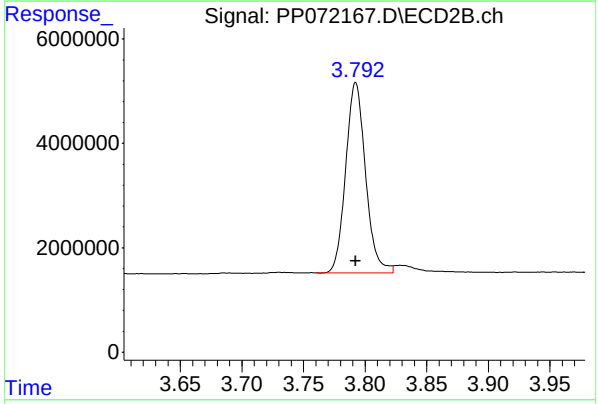




#1 Tetrachloro-m-xylene

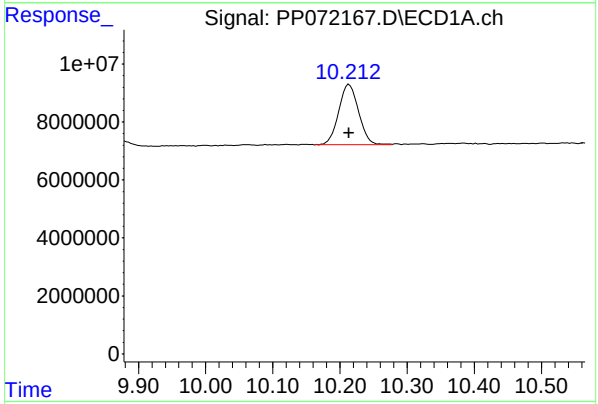
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 53397667
Conc: 26.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



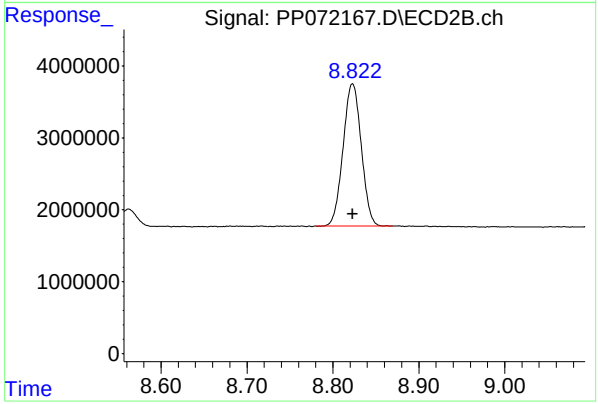
#1 Tetrachloro-m-xylene

R.T.: 3.792 min
Delta R.T.: 0.000 min
Response: 40989034
Conc: 25.76 ng/ml



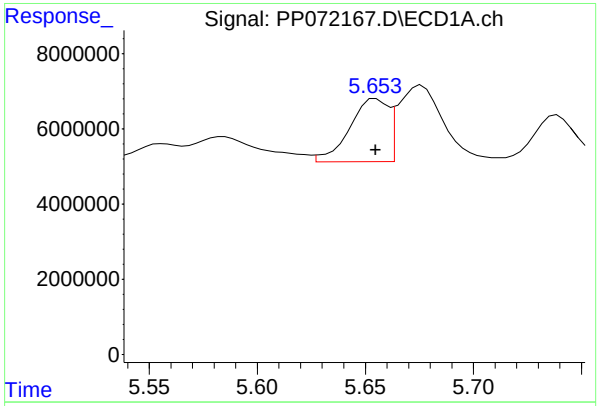
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 42804673
Conc: 26.25 ng/ml



#2 Decachlorobiphenyl

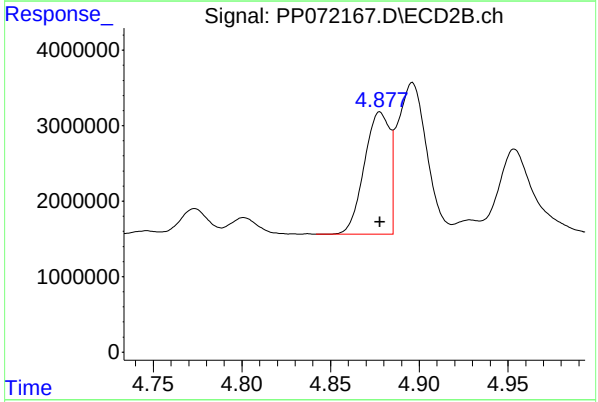
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 29089475
Conc: 27.56 ng/ml



#3 AR-1016-1

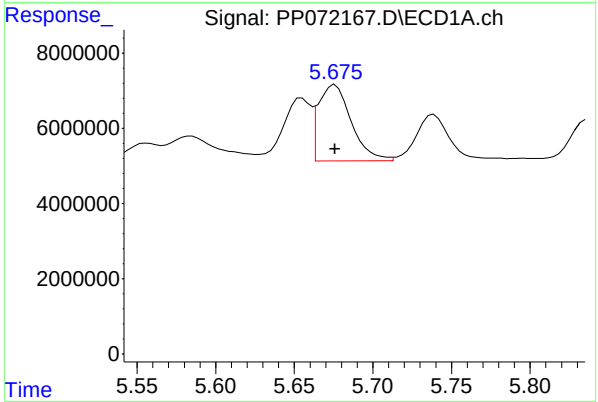
R.T.: 5.655 min
Delta R.T.: 0.000 min
Response: 20802992
Conc: 281.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



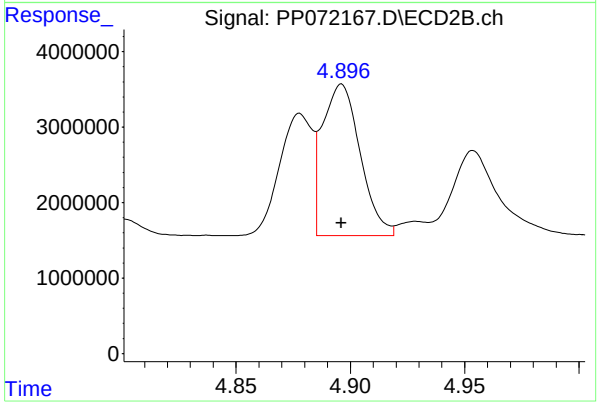
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 16128858
Conc: 271.62 ng/ml



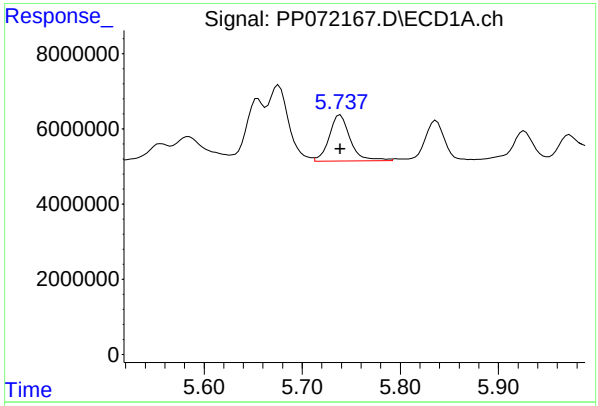
#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 29644893
Conc: 273.83 ng/ml



#4 AR-1016-2

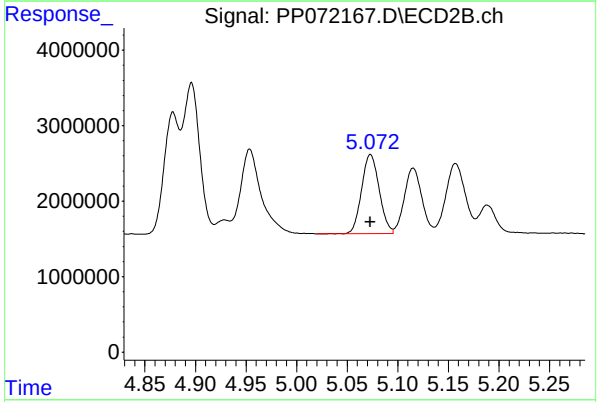
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 23113324
Conc: 269.02 ng/ml



#5 AR-1016-3

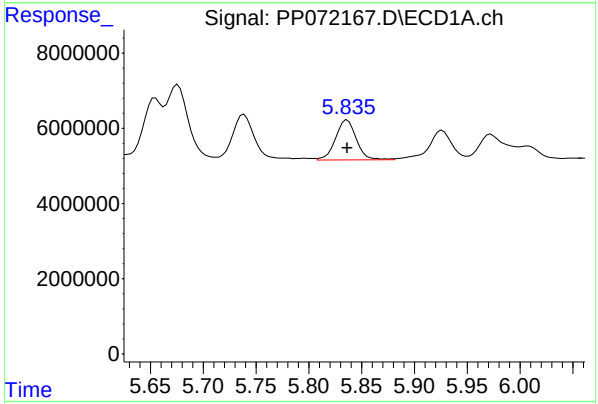
R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 18387723
Conc: 275.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



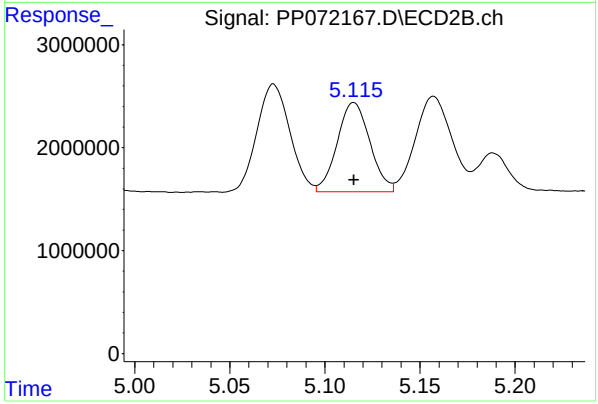
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 12747298
Conc: 272.21 ng/ml



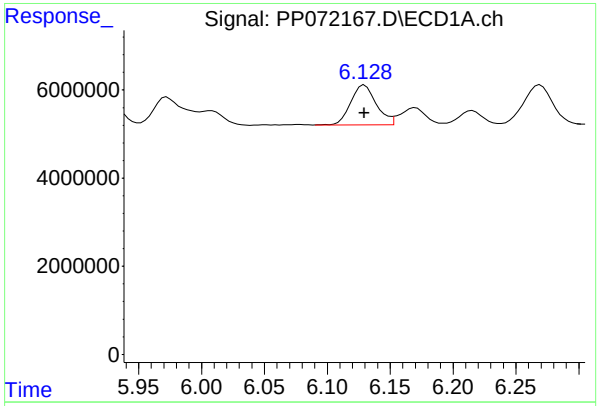
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 14555177
Conc: 267.93 ng/ml



#6 AR-1016-4

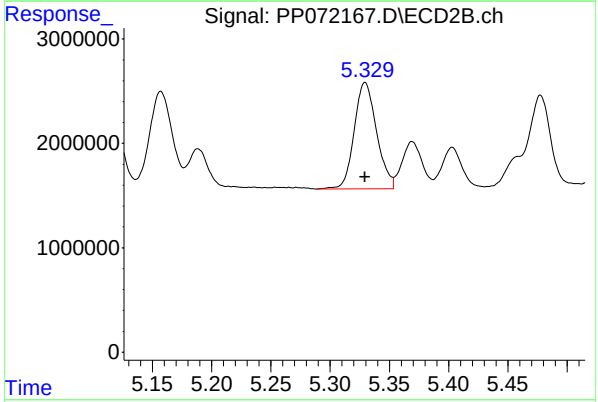
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 10380280
Conc: 277.29 ng/ml



#7 AR-1016-5

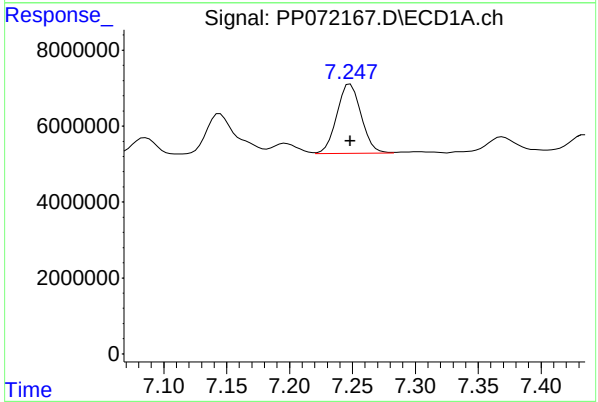
R.T.: 6.130 min
Delta R.T.: 0.000 min
Response: 12797446
Conc: 263.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



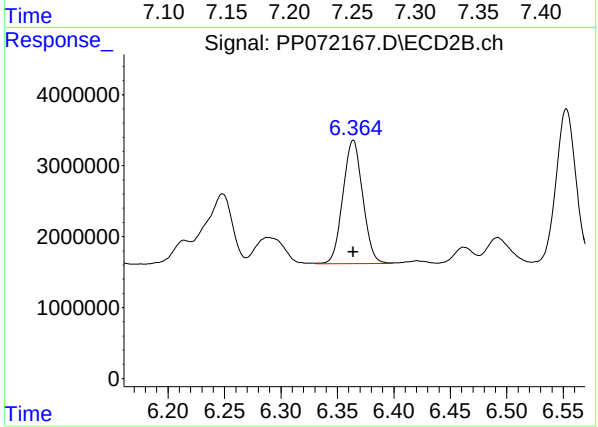
#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 13425333
Conc: 276.32 ng/ml



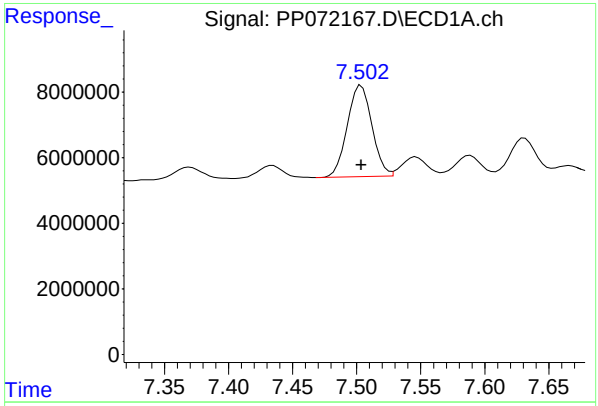
#31 AR-1260-1

R.T.: 7.248 min
Delta R.T.: 0.000 min
Response: 24515226
Conc: 266.53 ng/ml



#31 AR-1260-1

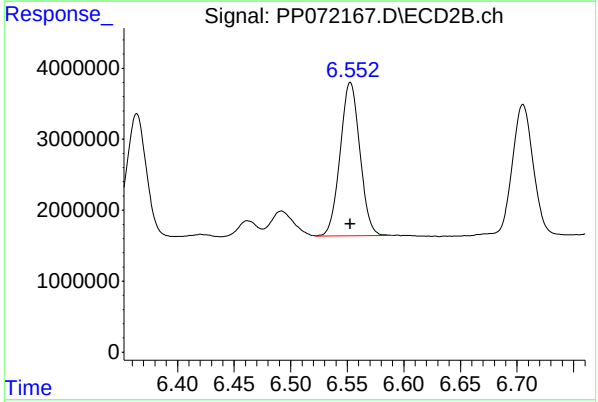
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 21211058
Conc: 271.27 ng/ml



#32 AR-1260-2

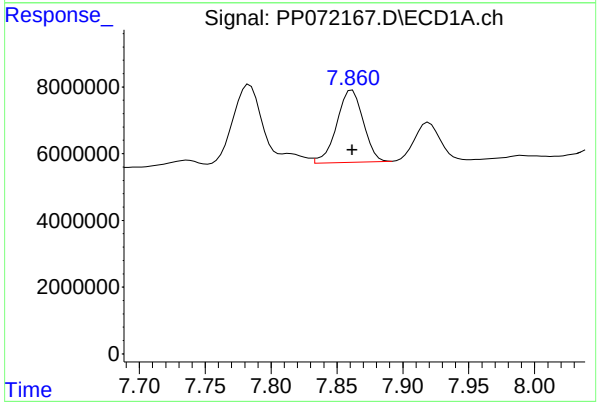
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 37350124
Conc: 263.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



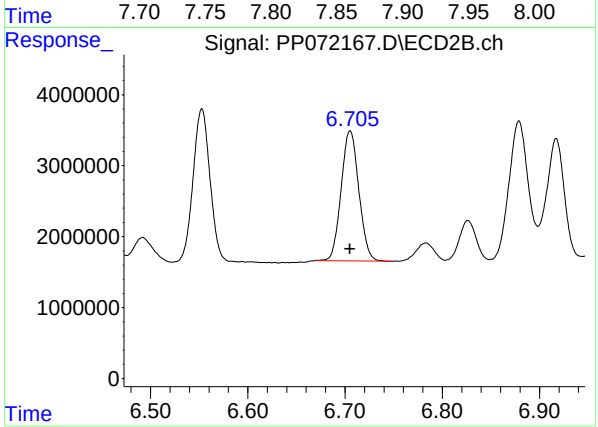
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 26231122
Conc: 275.07 ng/ml



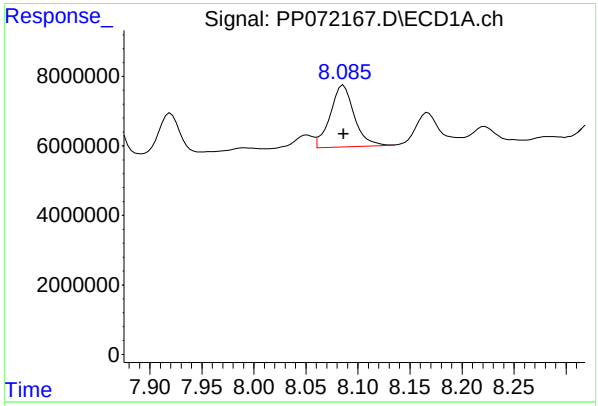
#33 AR-1260-3

R.T.: 7.862 min
Delta R.T.: 0.000 min
Response: 30309213
Conc: 263.28 ng/ml



#33 AR-1260-3

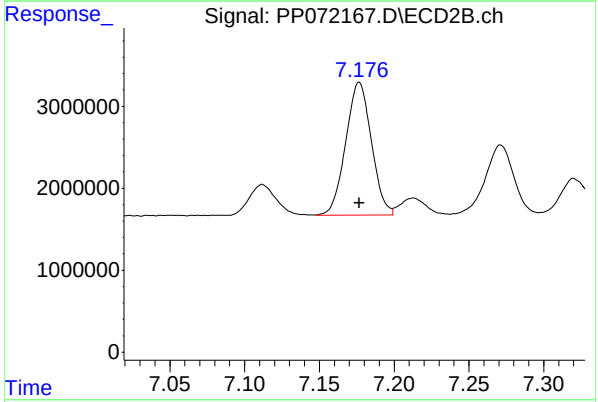
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 23123504
Conc: 269.92 ng/ml



#34 AR-1260-4

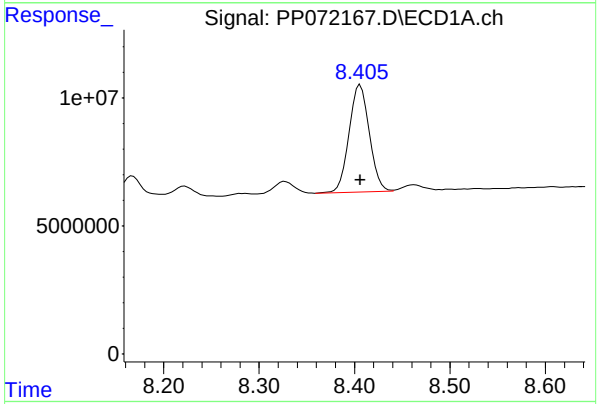
R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 28647958
Conc: 263.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



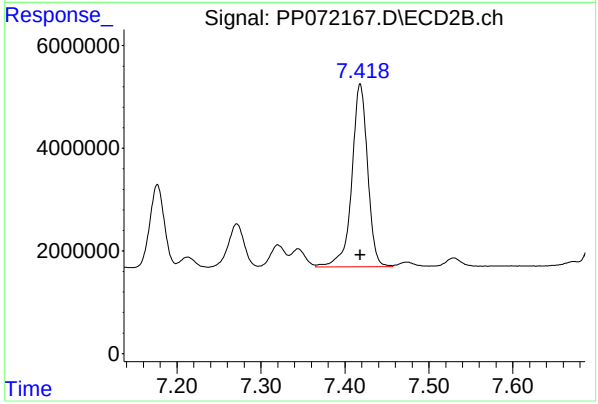
#34 AR-1260-4

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 19427779
Conc: 275.19 ng/ml



#35 AR-1260-5

R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 62484280
Conc: 262.17 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 46879399
Conc: 270.43 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.498	3.793	9370134	8133165	4.660	5.088
2)	SA Decachlor...	10.212	8.821	8114063	5355591	4.981	5.059
	Target Compounds						
3)	L1 AR-1016-1	5.650	4.878	3974445	3481238	53.538m	56.670
4)	L1 AR-1016-2	5.672	4.896	5096224	4763878	47.816m	54.265
5)	L1 AR-1016-3	5.734	5.073	3045634	2547956	47.236m	53.467
6)	L1 AR-1016-4	5.832	5.115	2452478	2024258	45.948m	53.206
7)	L1 AR-1016-5	6.127	5.330	2503132	2739010	51.179	54.973
31)	L7 AR-1260-1	7.247	6.364	5002782	4299958	53.452	53.915
32)	L7 AR-1260-2	7.500	6.553	7551641	6283346	52.628	61.952
33)	L7 AR-1260-3	7.859	6.705	5443256	4592239	47.802	52.844
34)	L7 AR-1260-4	8.083	7.176	5088570	3903032	47.423	54.140
35)	L7 AR-1260-5	8.403	7.418	11497836	8735677	48.583	50.314

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

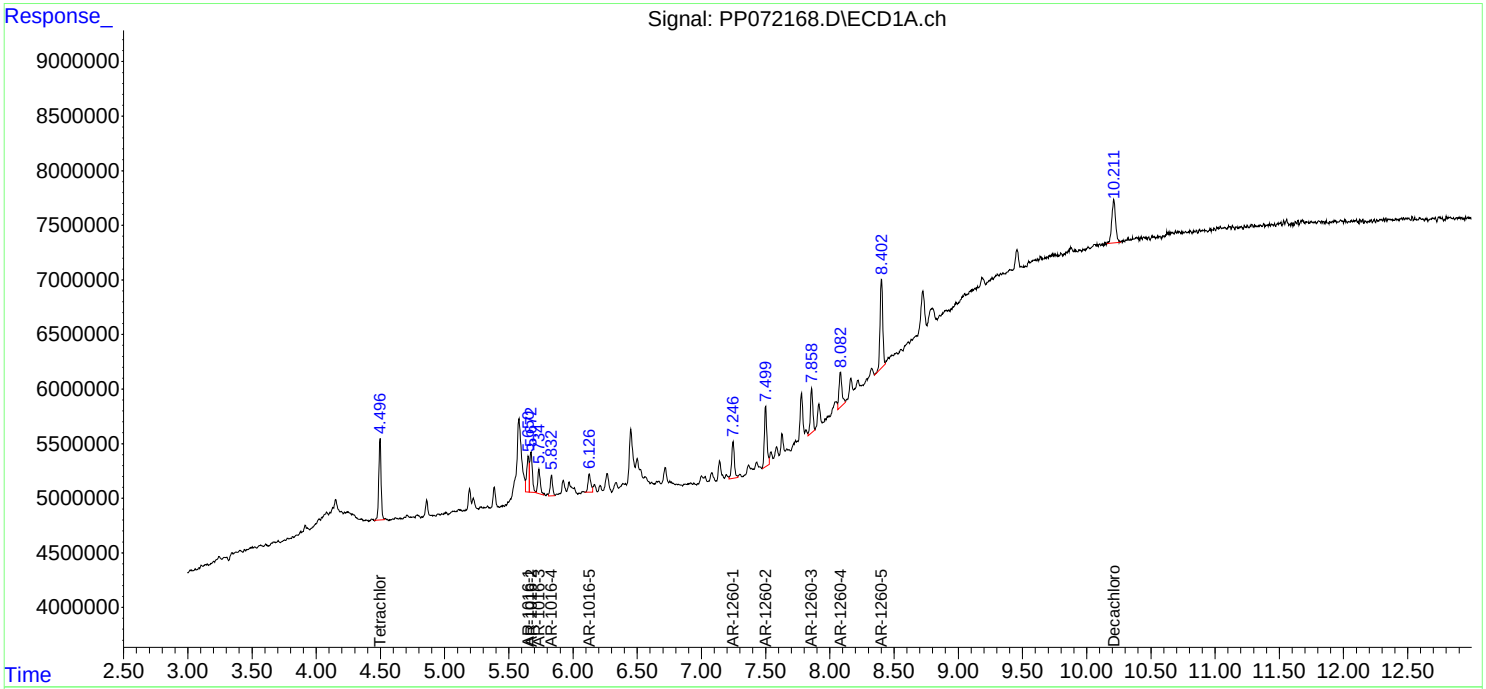
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

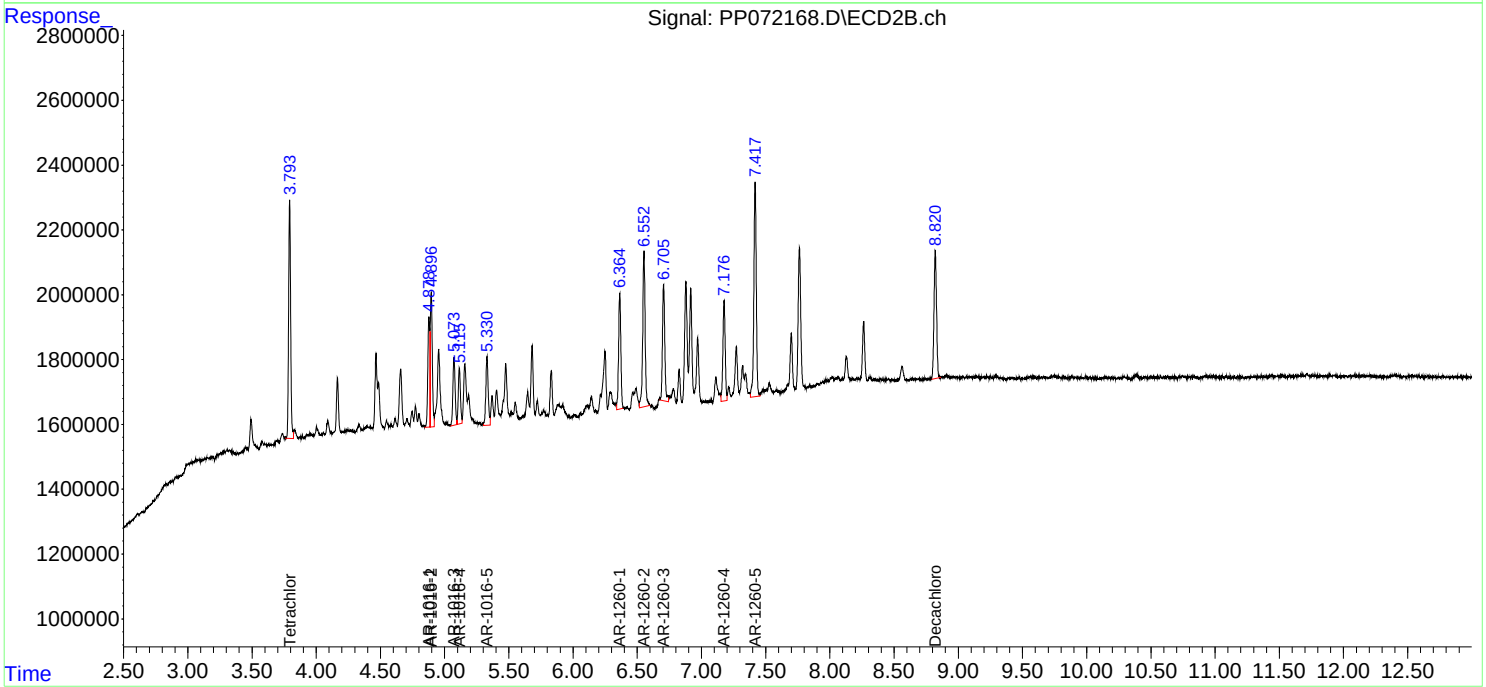
Manual Integrations APPROVED

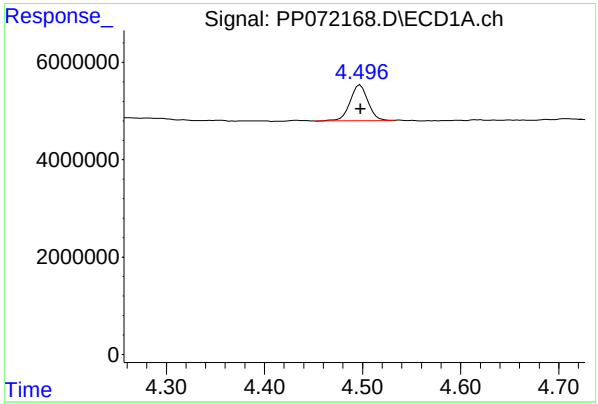
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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







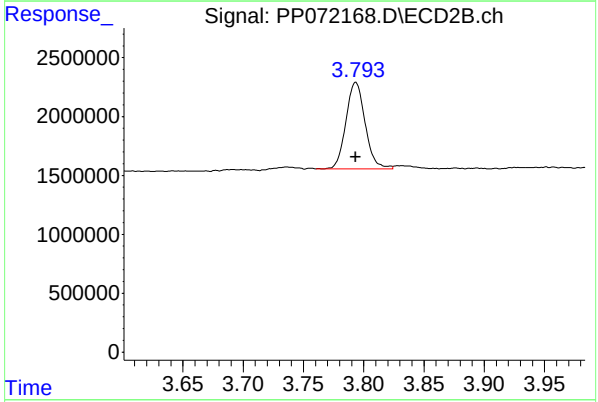
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 9370134
Conc: 4.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

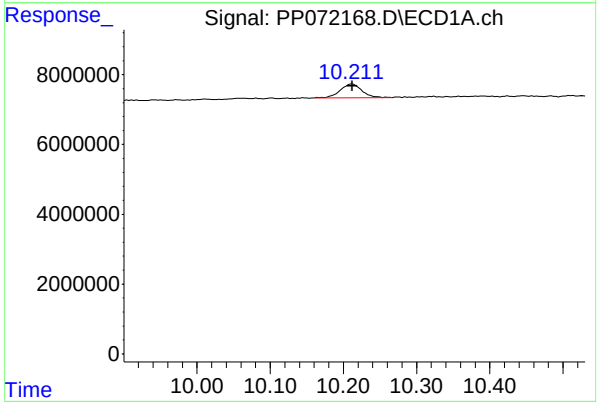
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



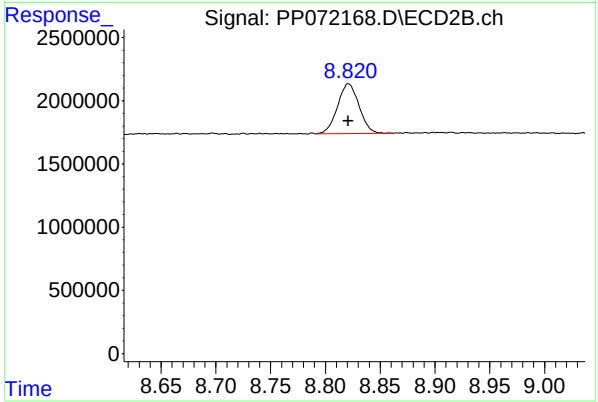
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 8133165
Conc: 5.09 ng/ml



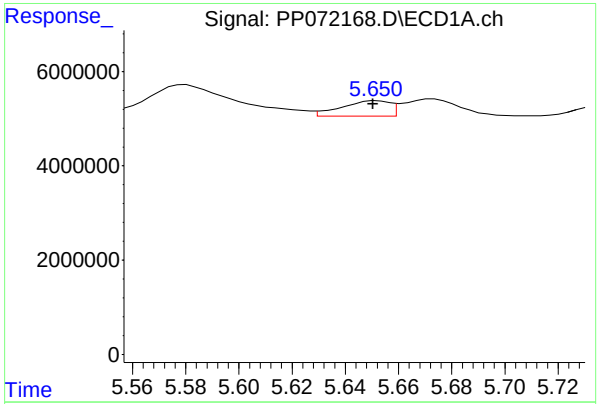
#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 8114063
Conc: 4.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 5355591
Conc: 5.06 ng/ml



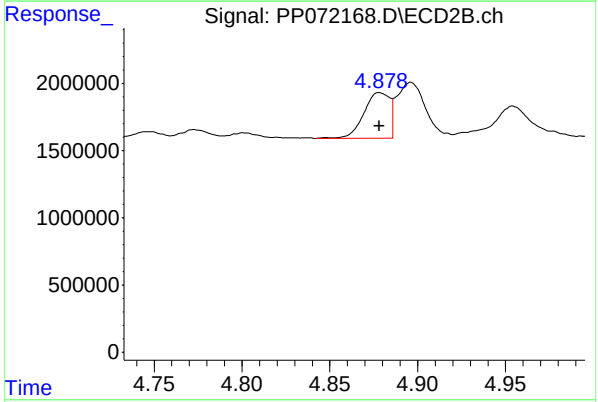
#3 AR-1016-1

R.T.: 5.650 min
Delta R.T.: 0.000 mi
Response: 3974445
Conc: 53.54 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

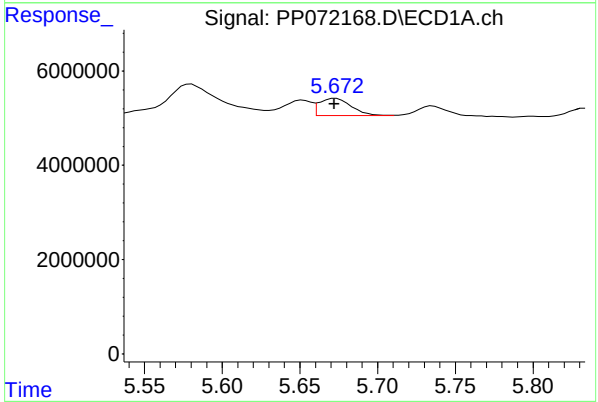
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



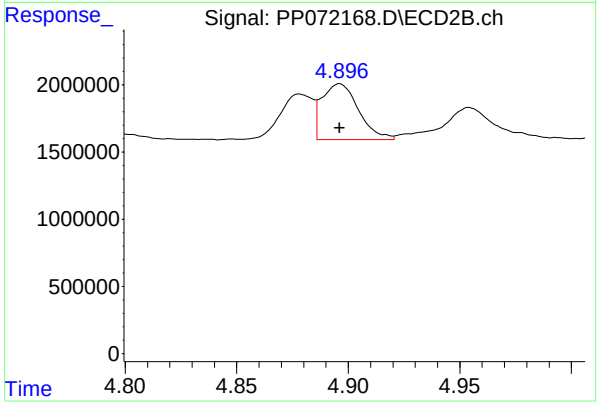
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 3481238
Conc: 56.67 ng/ml



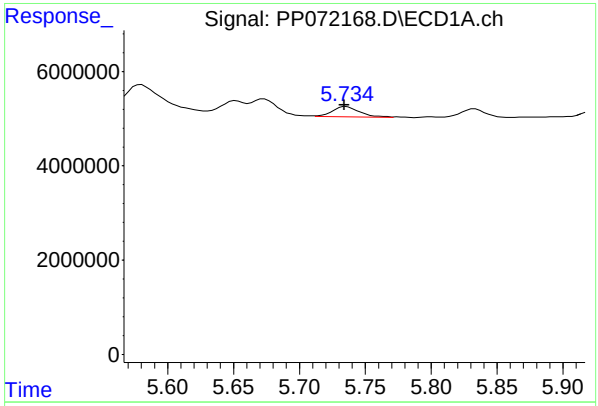
#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 5096224
Conc: 47.82 ng/ml m



#4 AR-1016-2

R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 4763878
Conc: 54.26 ng/ml



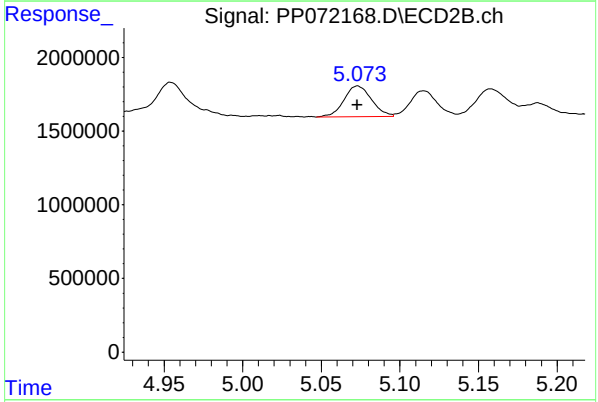
#5 AR-1016-3

R.T.: 5.734 min
Delta R.T.: 0.000 mi
Response: 3045634
Conc: 47.24 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

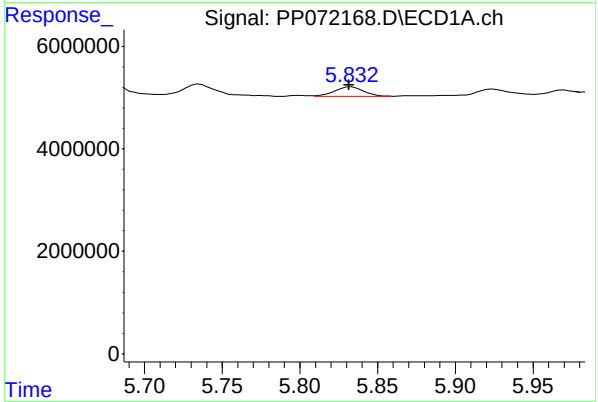
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



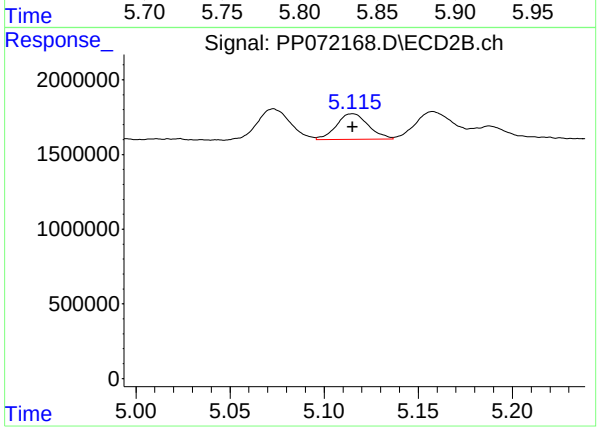
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 2547956
Conc: 53.47 ng/ml



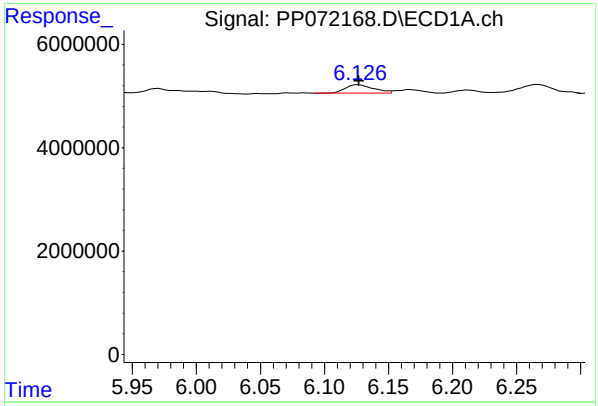
#6 AR-1016-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 2452478
Conc: 45.95 ng/ml m



#6 AR-1016-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 2024258
Conc: 53.21 ng/ml



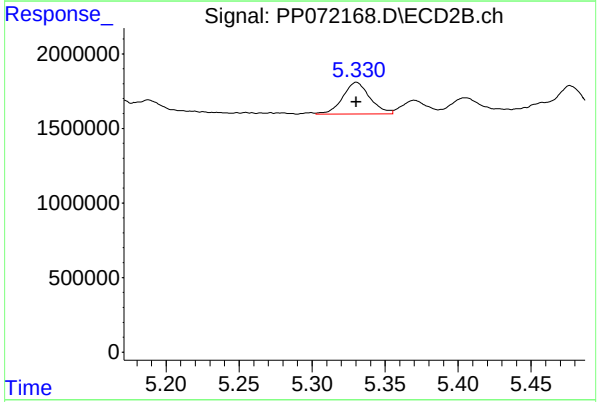
#7 AR-1016-5

R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 2503132
Conc: 51.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

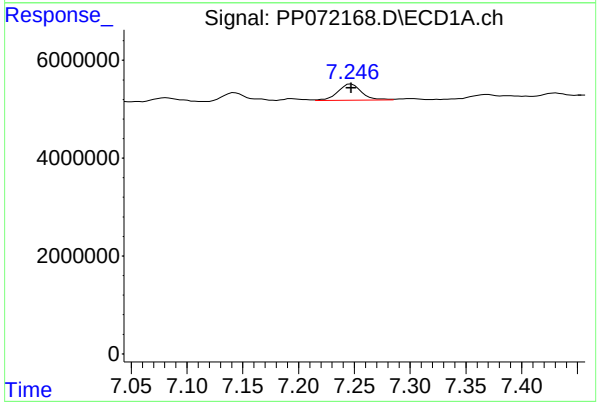
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



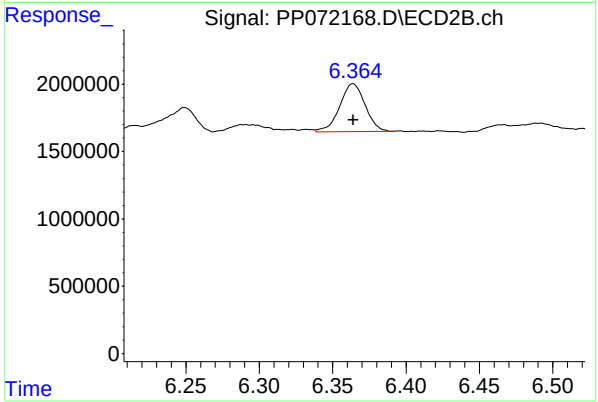
#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 2739010
Conc: 54.97 ng/ml



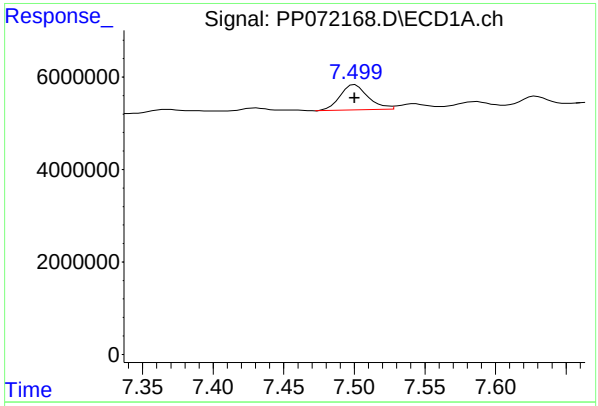
#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 5002782
Conc: 53.45 ng/ml



#31 AR-1260-1

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 4299958
Conc: 53.92 ng/ml



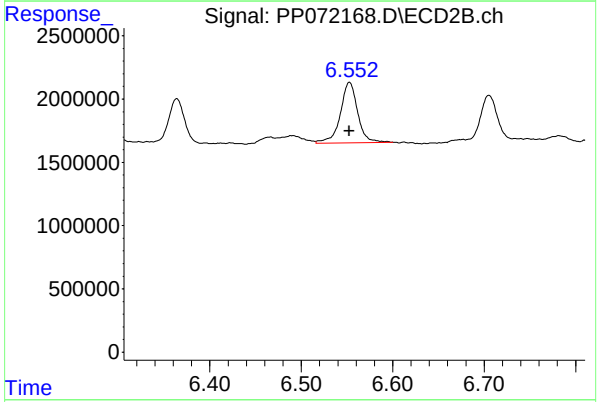
#32 AR-1260-2

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 7551641
Conc: 52.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

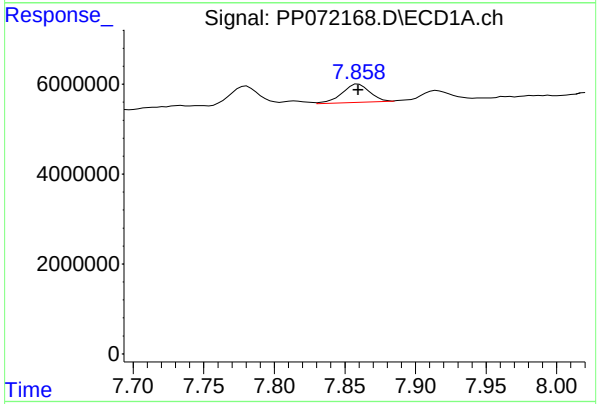
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



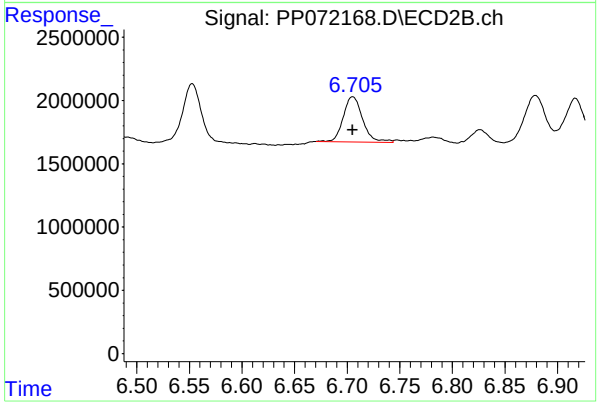
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 6283346
Conc: 61.95 ng/ml



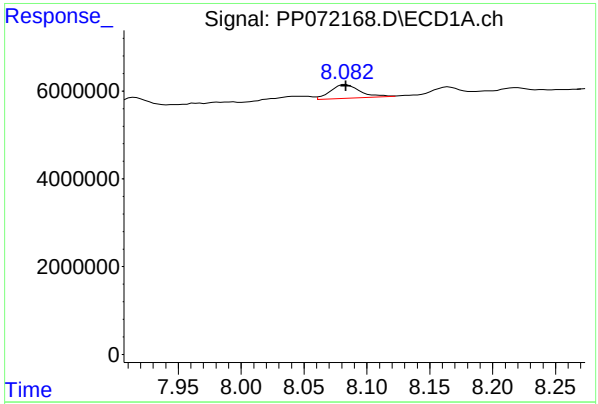
#33 AR-1260-3

R.T.: 7.859 min
Delta R.T.: 0.000 min
Response: 5443256
Conc: 47.80 ng/ml



#33 AR-1260-3

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 4592239
Conc: 52.84 ng/ml



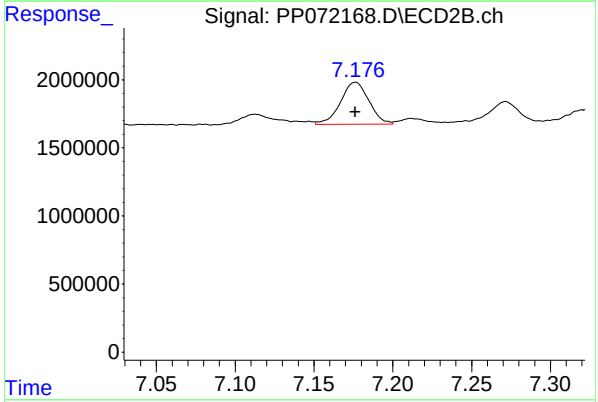
#34 AR-1260-4

R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 5088570
Conc: 47.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

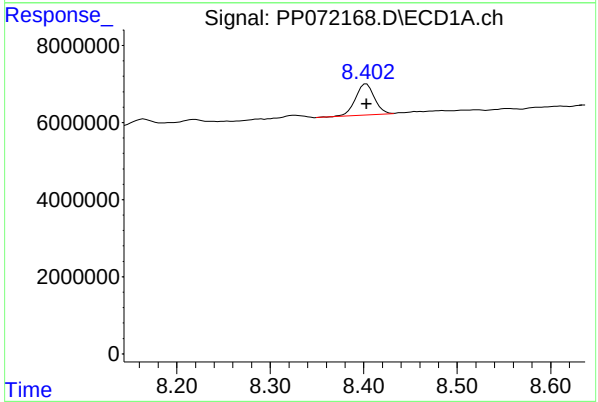
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



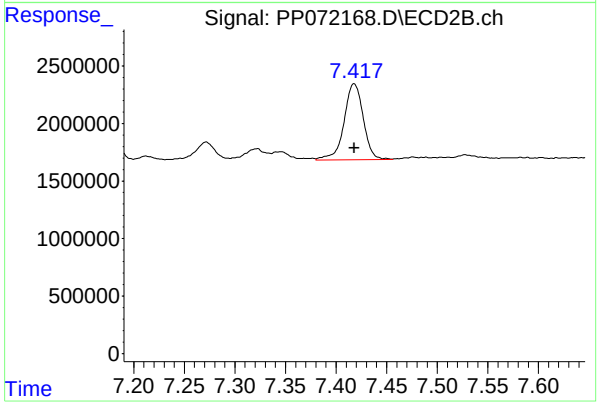
#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 3903032
Conc: 54.14 ng/ml



#35 AR-1260-5

R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 11497836
Conc: 48.58 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 8735677
Conc: 50.31 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:05
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 11:34:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.501	3.794	100.3E6	78966679	50.000	50.000
2)	SA Decachlor...	10.214	8.824	80876112	53101134	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.703	4.005	12566489	11562215	500.000	500.000
9)	L2 AR-1221-2	4.788	4.091	8990719	8849205	500.000	500.000
10)	L2 AR-1221-3	4.864	4.167	29254822	26135247	500.000	500.000

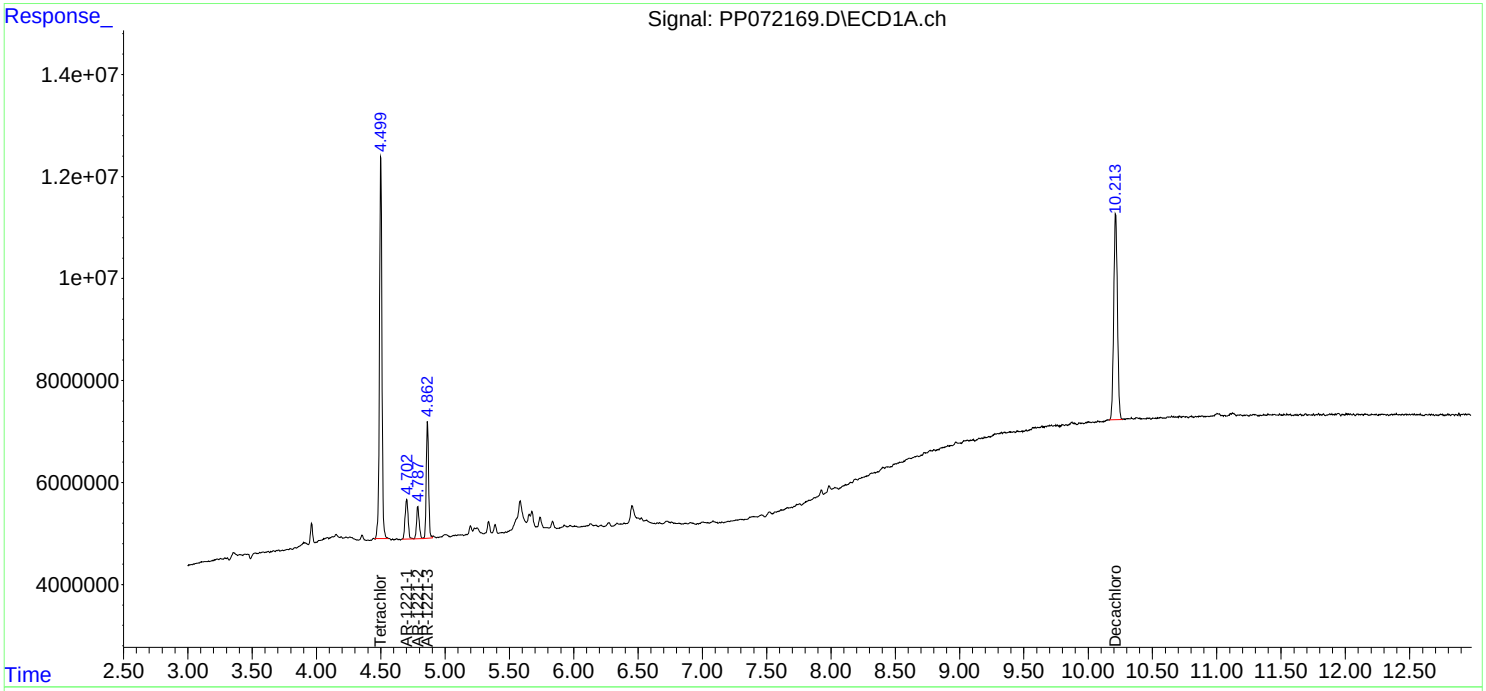
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

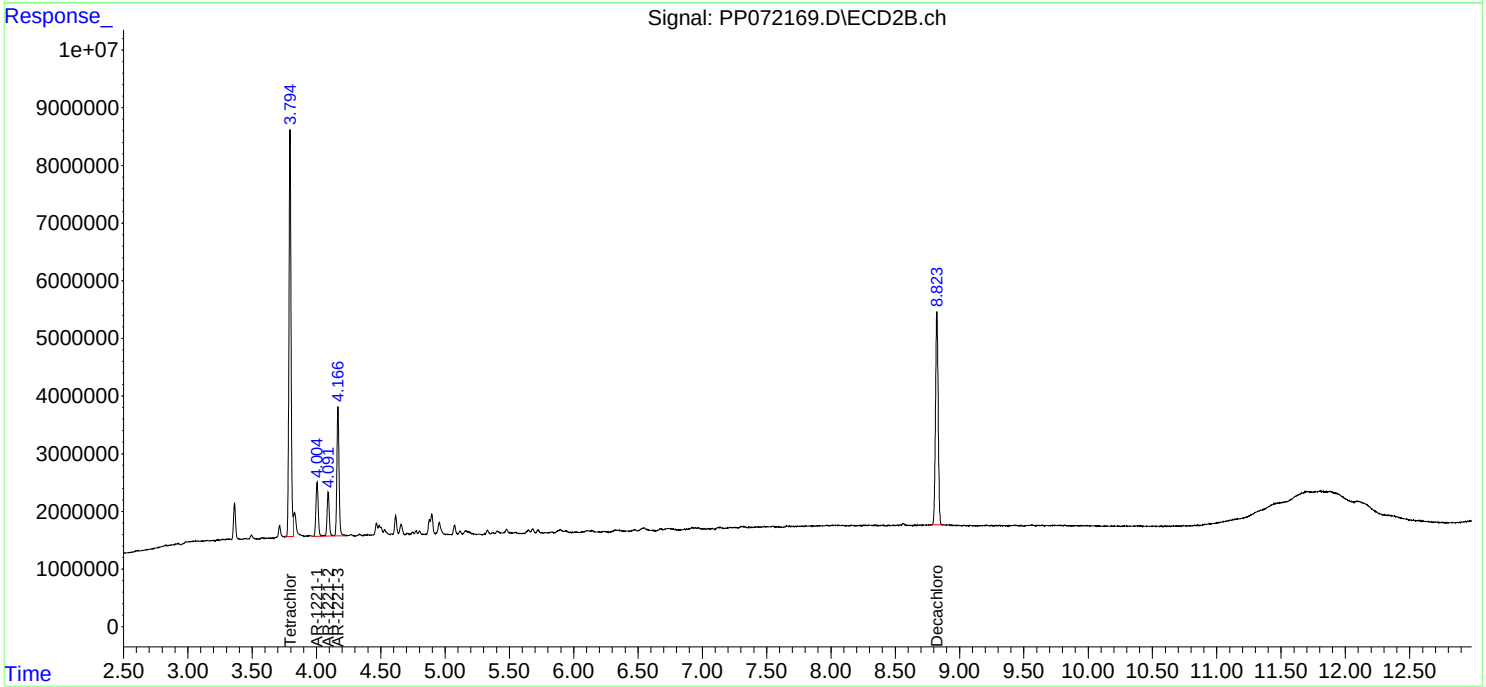
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:05
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

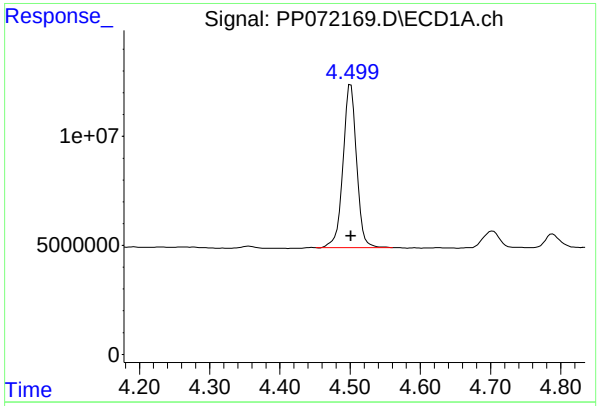
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 11:34:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



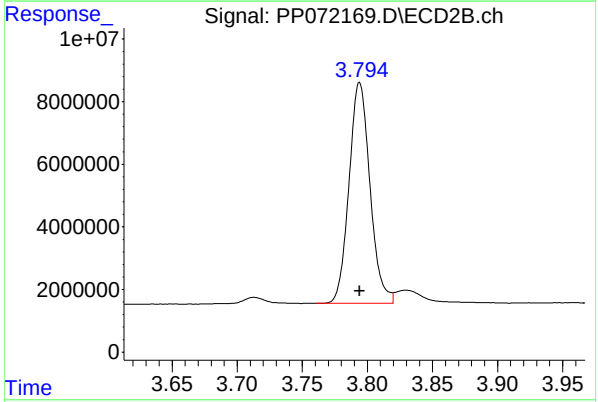




#1 Tetrachloro-m-xylene

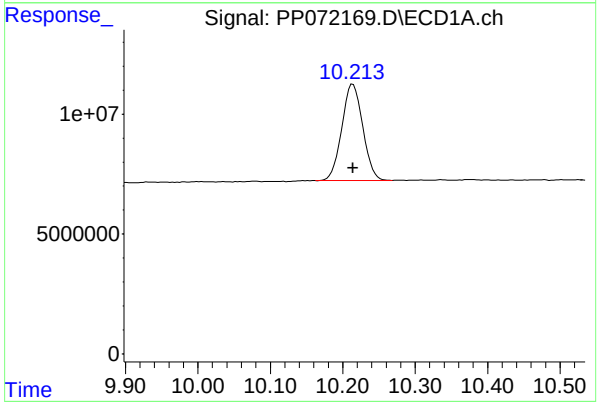
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 100267815
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



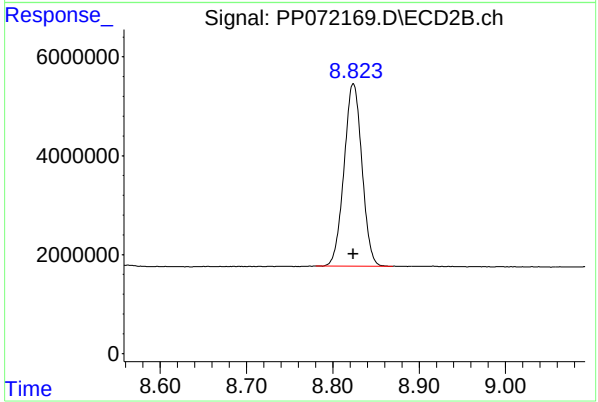
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 78966679
Conc: 50.00 ng/ml



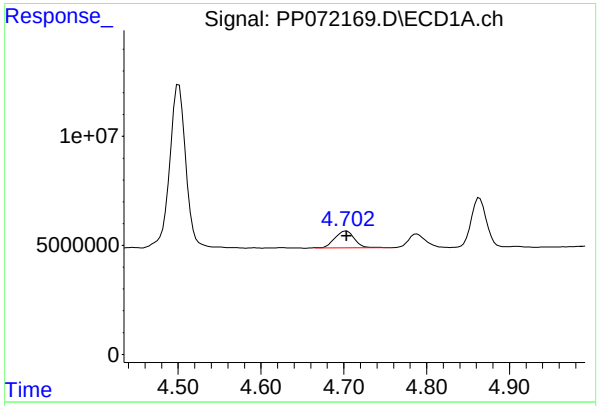
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 80876112
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

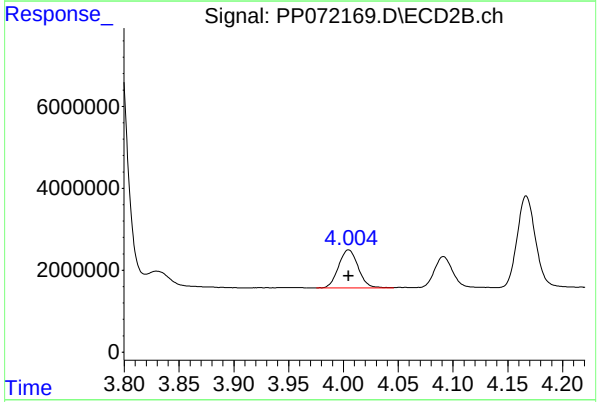
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 53101134
Conc: 50.00 ng/ml



#8 AR-1221-1

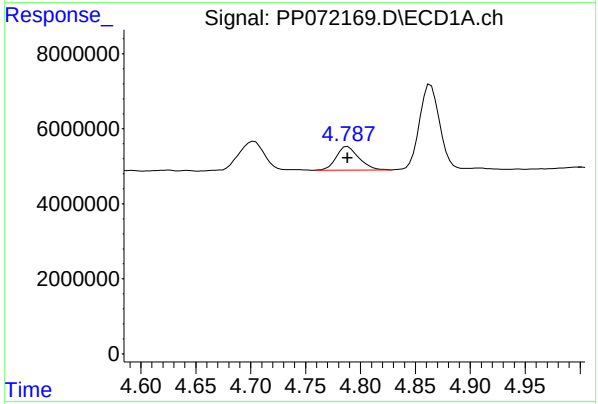
R.T.: 4.703 min
Delta R.T.: 0.000 min
Response: 12566489
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



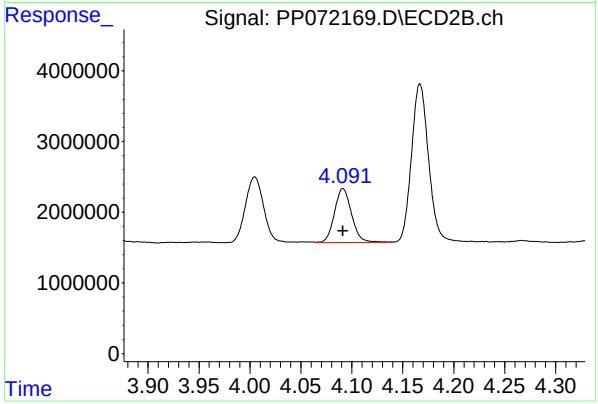
#8 AR-1221-1

R.T.: 4.005 min
Delta R.T.: 0.000 min
Response: 11562215
Conc: 500.00 ng/ml



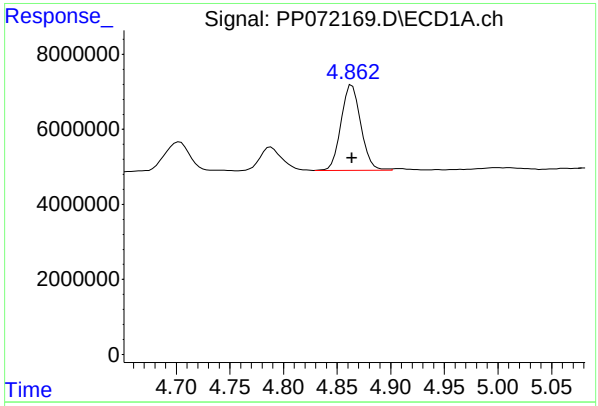
#9 AR-1221-2

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 8990719
Conc: 500.00 ng/ml



#9 AR-1221-2

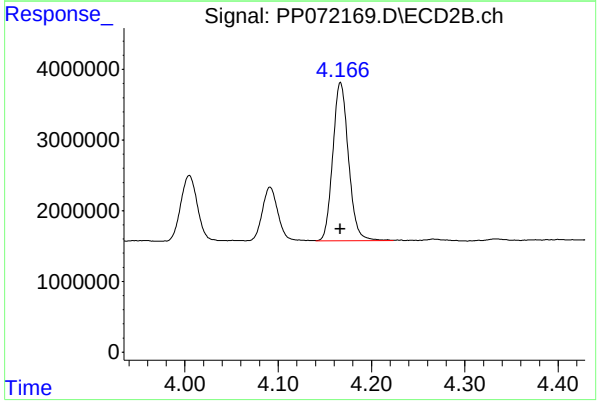
R.T.: 4.091 min
Delta R.T.: 0.000 min
Response: 8849205
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 29254822
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.167 min
Delta R.T.: 0.000 min
Response: 26135247
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:21
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:10:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.795	188.6E6	150.4E6	95.724	94.284
2)	SA Decachlor...	10.213	8.823	154.5E6	99106147	96.034	93.871
	Target Compounds						
11)	L3 AR-1232-1	4.863	4.168	44075653	37616932	957.349	907.448
12)	L3 AR-1232-2	5.389	4.898	21717379	39358353	966.038	938.328
13)	L3 AR-1232-3	5.675	5.074	46772523	20796080	948.567	932.463
14)	L3 AR-1232-4	5.835	5.159	23238504	17897124	967.407	927.845
15)	L3 AR-1232-5	5.925	5.331	15752983	19472370	978.586	927.105

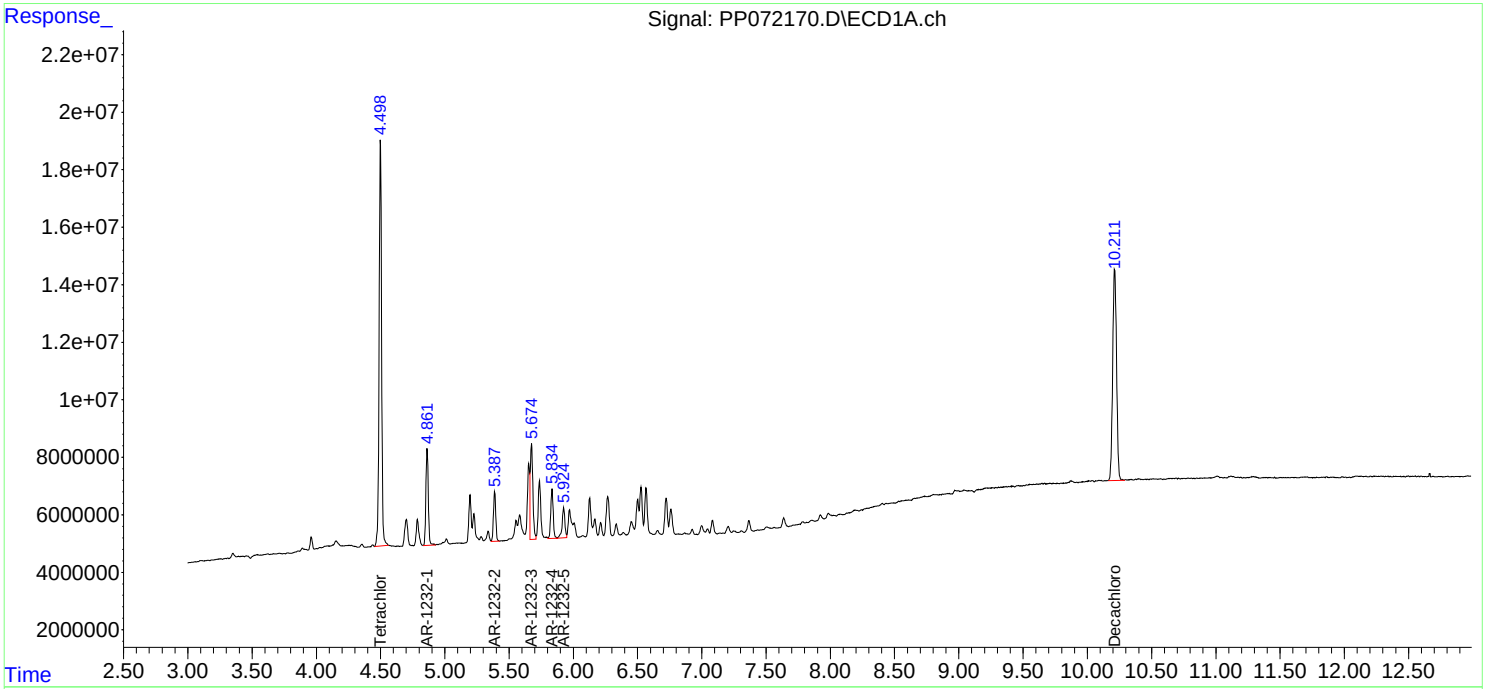
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

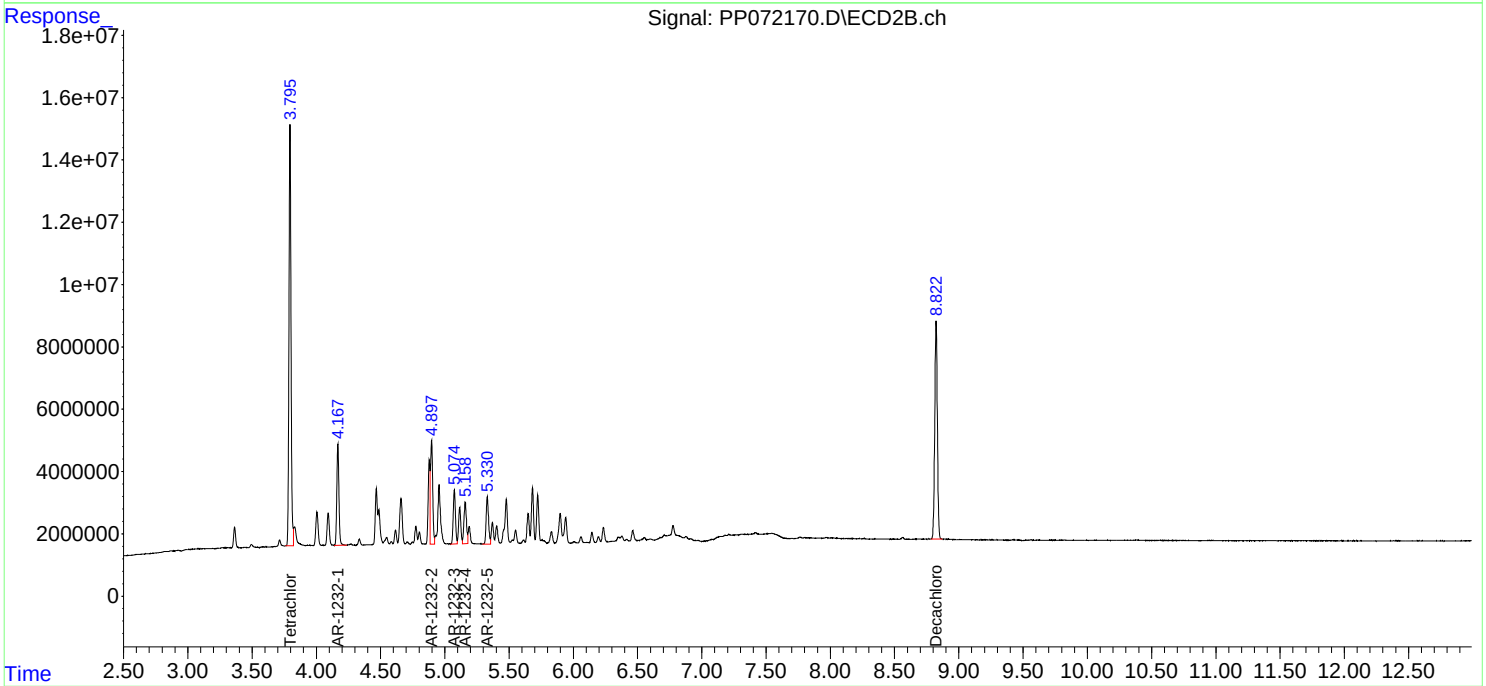
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:21
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

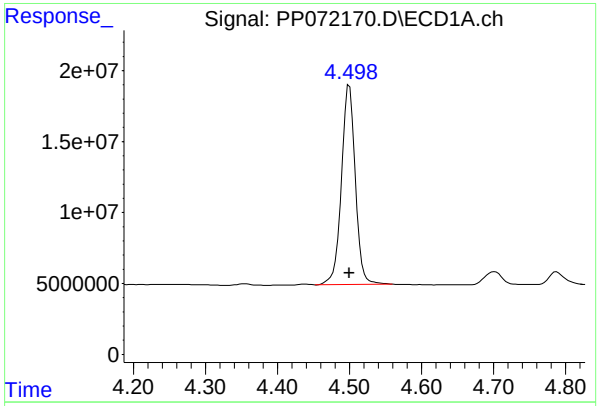
Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:10:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



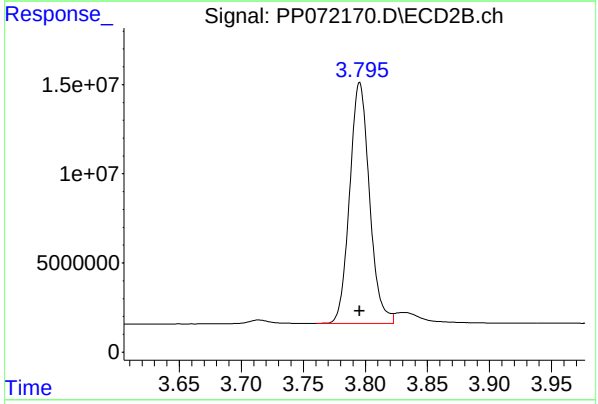




#1 Tetrachloro-m-xylene

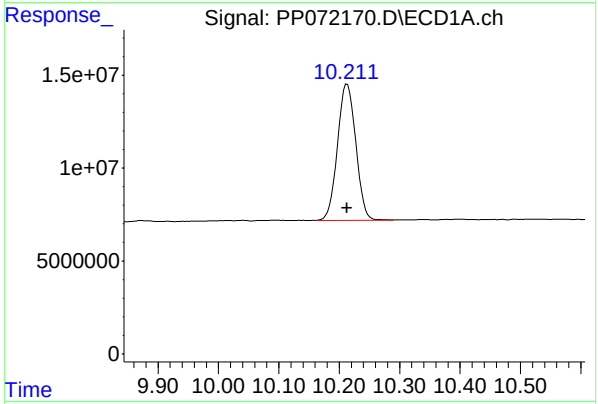
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 188612240
Conc: 95.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



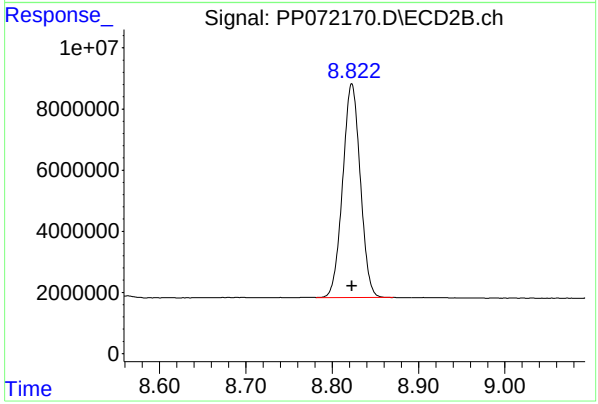
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 150365085
Conc: 94.28 ng/ml



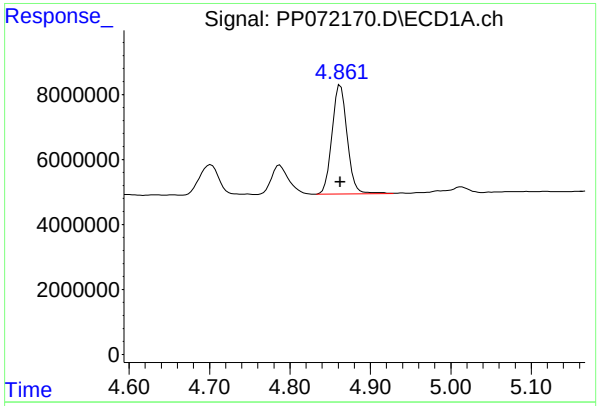
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 154527919
Conc: 96.03 ng/ml



#2 Decachlorobiphenyl

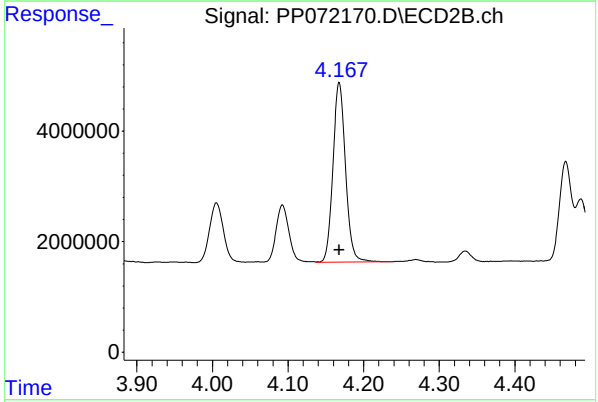
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 99106147
Conc: 93.87 ng/ml



#11 AR-1232-1

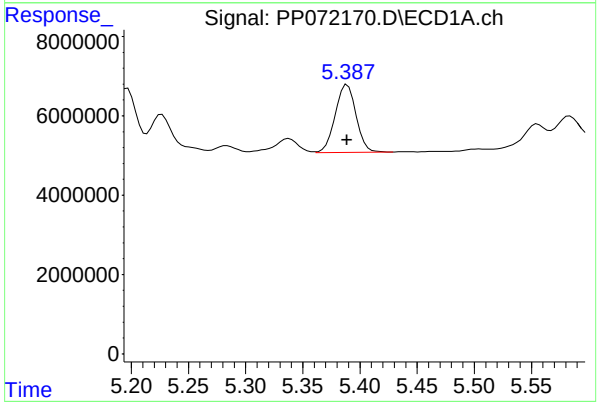
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 44075653
Conc: 957.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



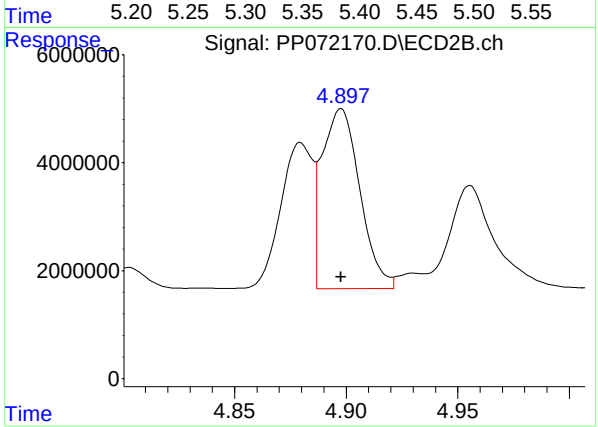
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 37616932
Conc: 907.45 ng/ml



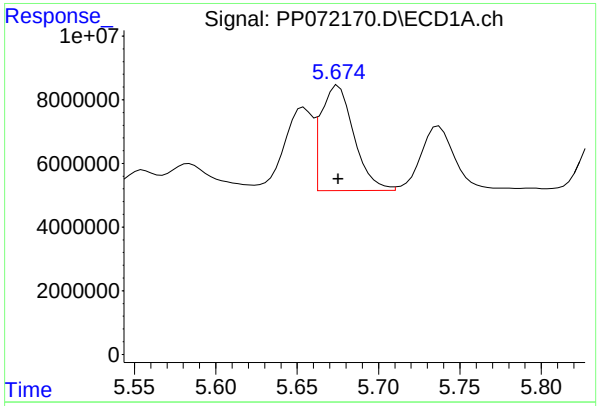
#12 AR-1232-2

R.T.: 5.389 min
Delta R.T.: 0.000 min
Response: 21717379
Conc: 966.04 ng/ml



#12 AR-1232-2

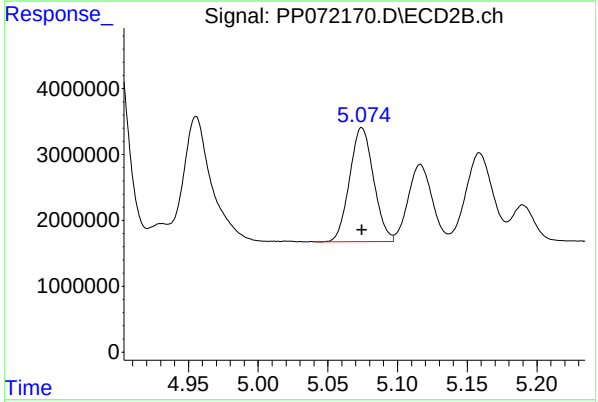
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 39358353
Conc: 938.33 ng/ml



#13 AR-1232-3

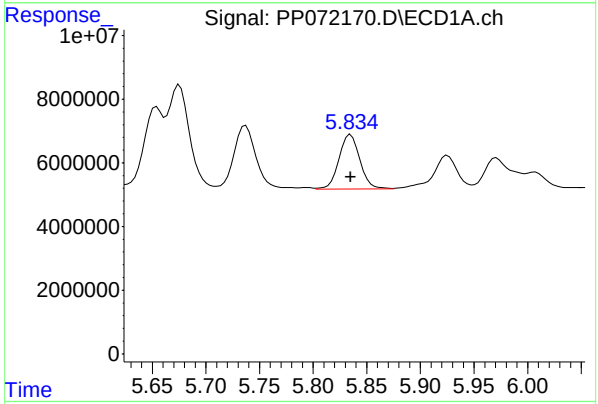
R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 46772523
Conc: 948.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



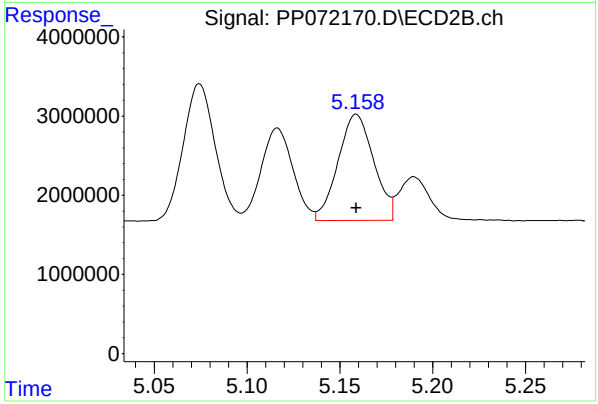
#13 AR-1232-3

R.T.: 5.074 min
Delta R.T.: 0.000 min
Response: 20796080
Conc: 932.46 ng/ml



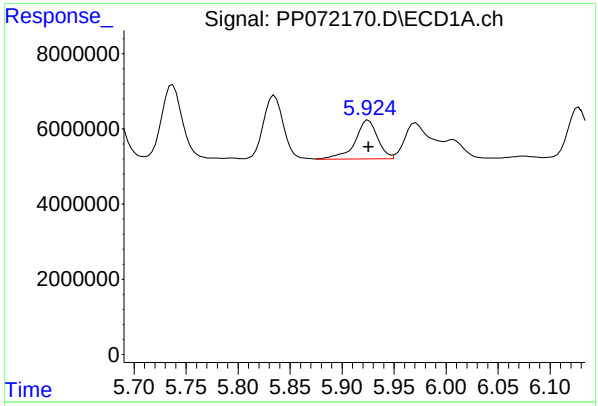
#14 AR-1232-4

R.T.: 5.835 min
Delta R.T.: 0.000 min
Response: 23238504
Conc: 967.41 ng/ml



#14 AR-1232-4

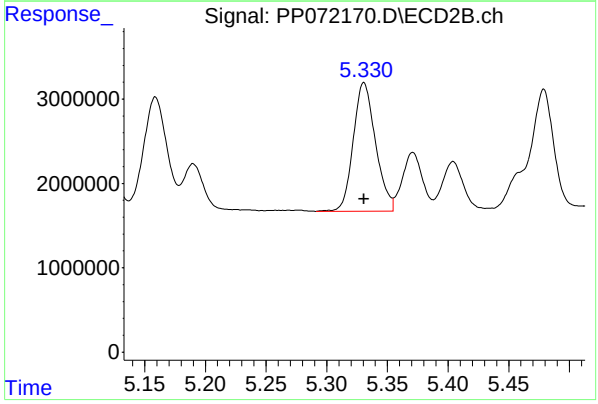
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 17897124
Conc: 927.84 ng/ml



#15 AR-1232-5

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 15752983
Conc: 978.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 19472370
Conc: 927.11 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:38
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:12:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.501	3.796	150.1E6	117.1E6	75.772	73.927
2) SA	Decachlor...	10.215	8.824	120.1E6	80247330	74.743	75.669
	Target Compounds						
11) L3	AR-1232-1	4.864	4.168	34422611	30444044	748.451	739.537
12) L3	AR-1232-2	5.390	4.898	17196522	31518395	759.894	750.945
13) L3	AR-1232-3	5.676	5.075	37611138	16760662	758.466	751.013
14) L3	AR-1232-4	5.836	5.159	18110035	14561422	752.603	753.267
15) L3	AR-1232-5	5.926	5.332	12352668	15928473	761.482	755.563

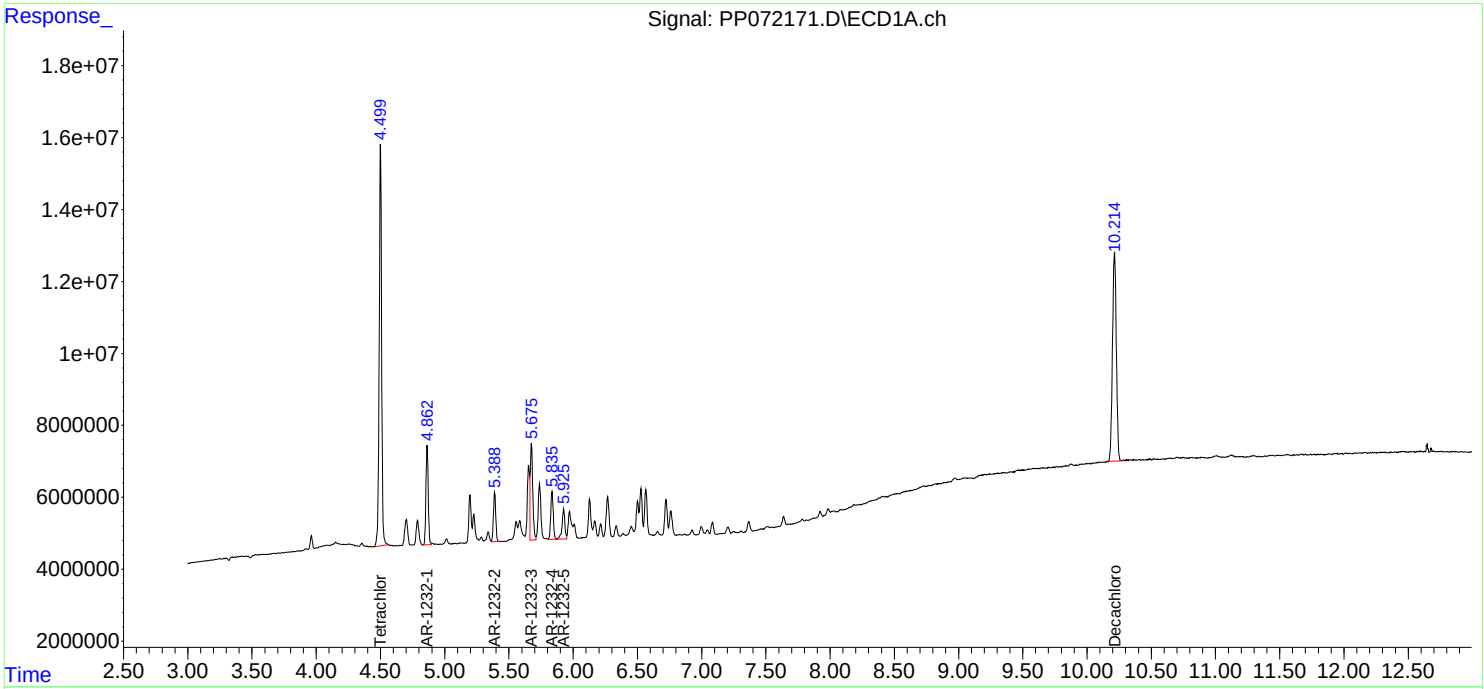
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

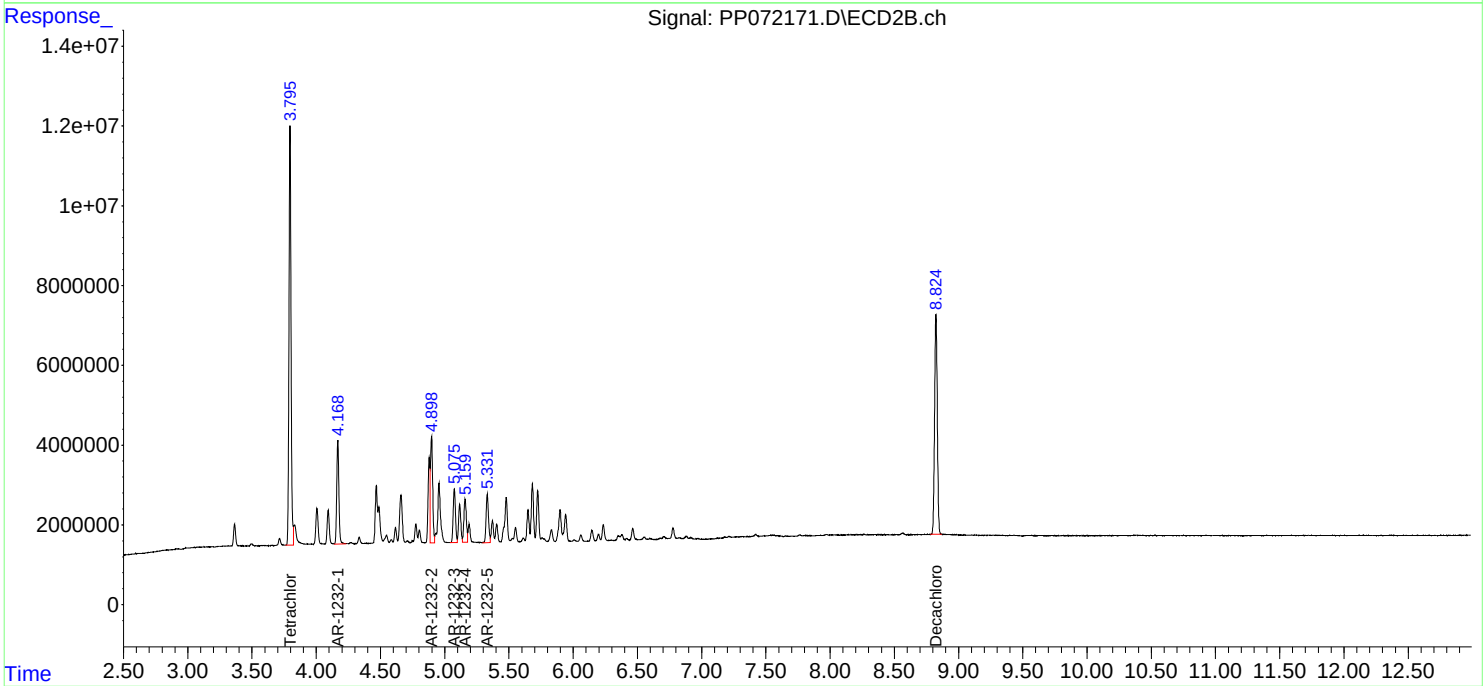
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:38
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

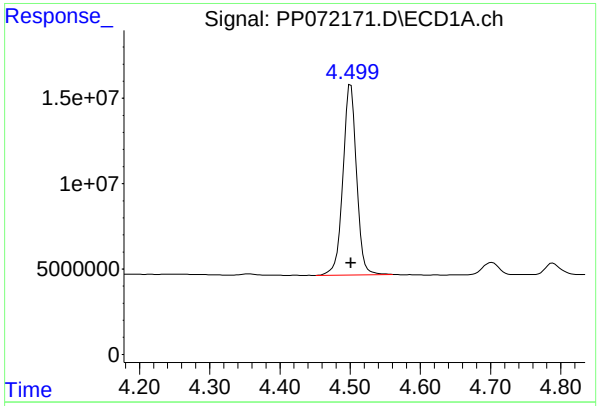
Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:12:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



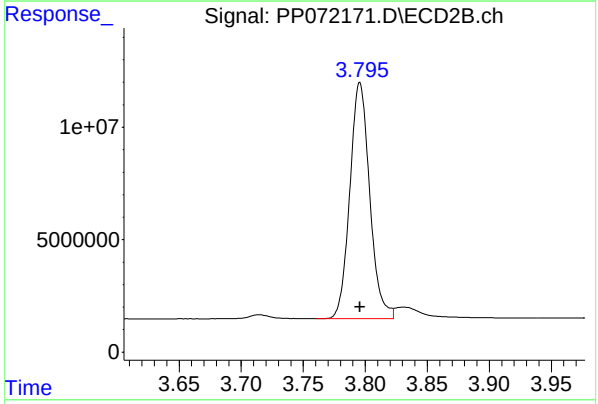




#1 Tetrachloro-m-xylene

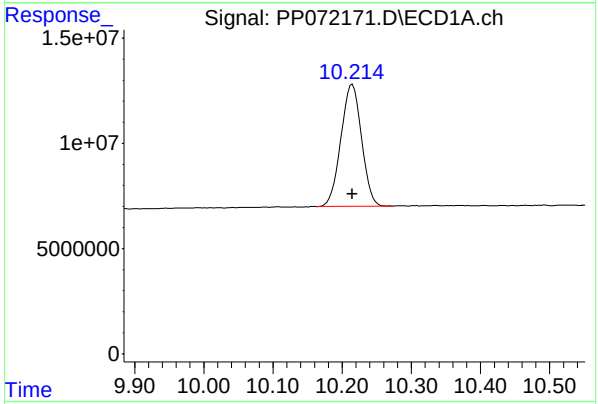
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 150073008
Conc: 75.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



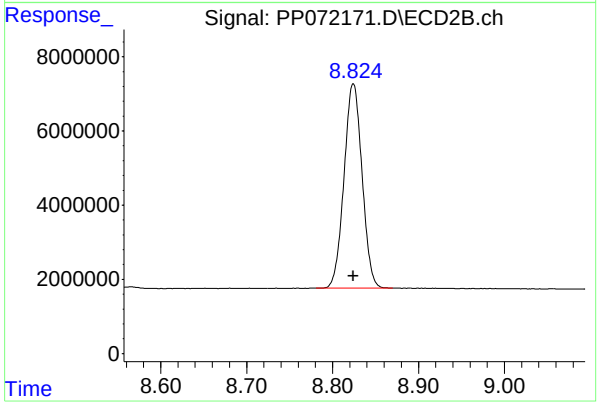
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 117063518
Conc: 73.93 ng/ml



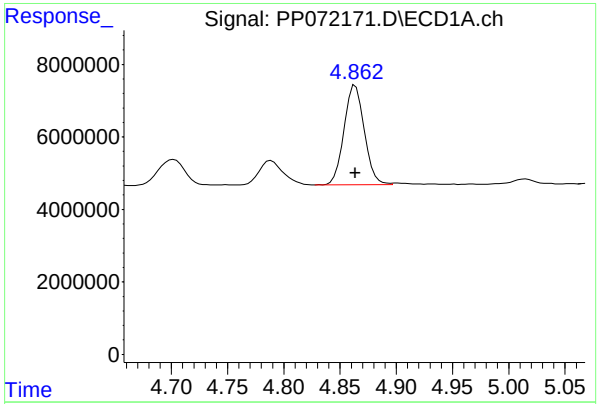
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 120062067
Conc: 74.74 ng/ml



#2 Decachlorobiphenyl

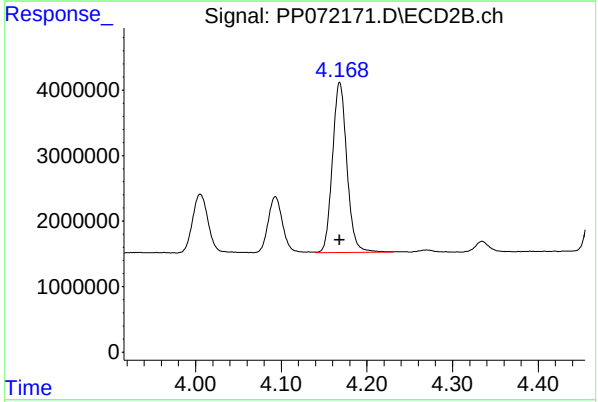
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 80247330
Conc: 75.67 ng/ml



#11 AR-1232-1

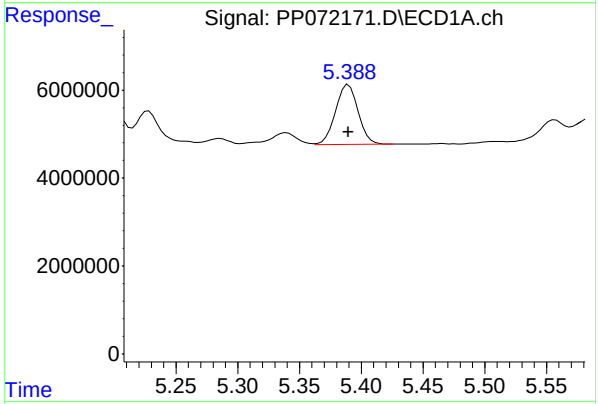
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 34422611
Conc: 748.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



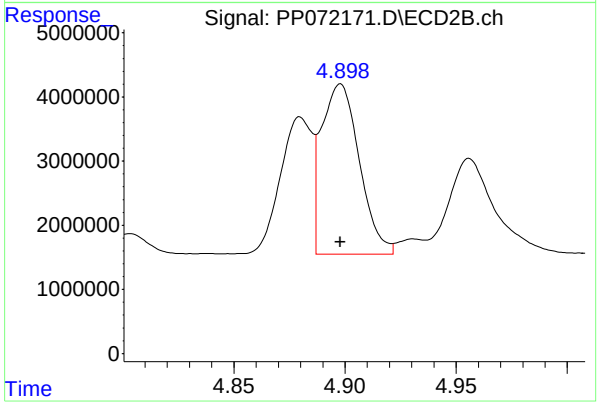
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 30444044
Conc: 739.54 ng/ml



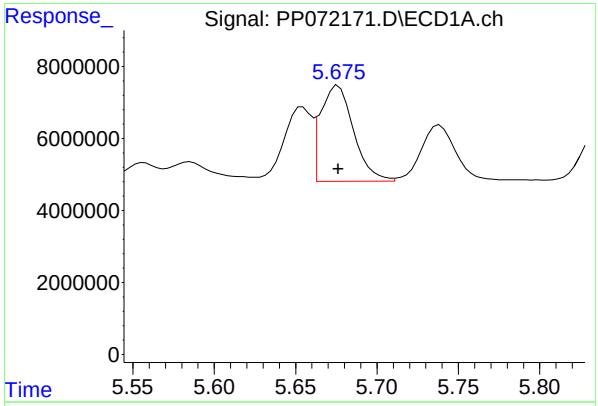
#12 AR-1232-2

R.T.: 5.390 min
Delta R.T.: 0.000 min
Response: 17196522
Conc: 759.89 ng/ml



#12 AR-1232-2

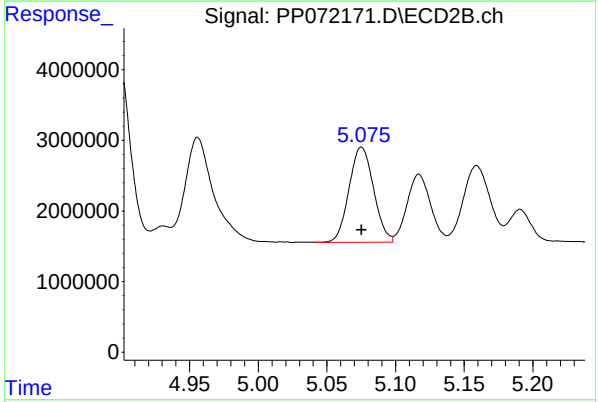
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 31518395
Conc: 750.95 ng/ml



#13 AR-1232-3

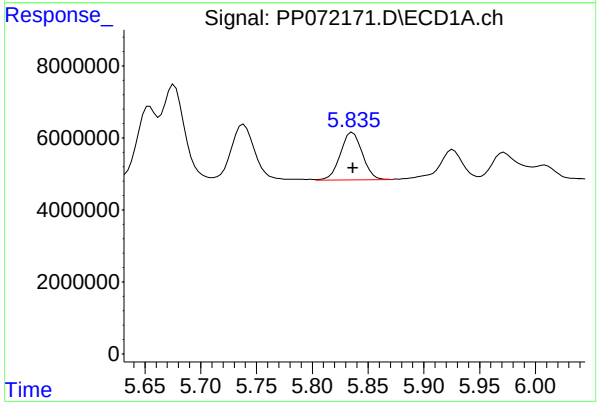
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 37611138
Conc: 758.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



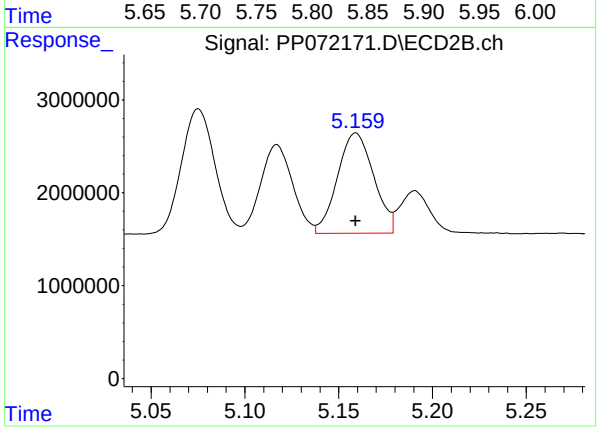
#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 16760662
Conc: 751.01 ng/ml



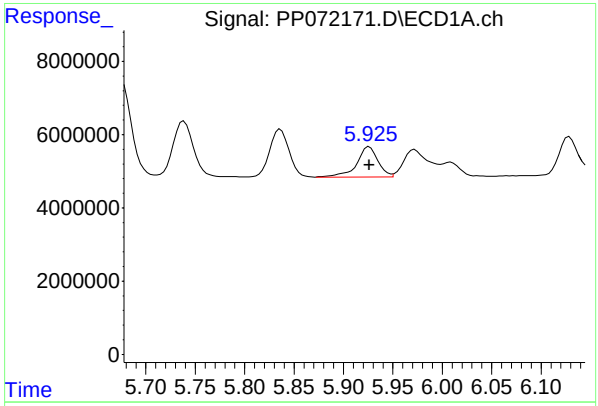
#14 AR-1232-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 18110035
Conc: 752.60 ng/ml



#14 AR-1232-4

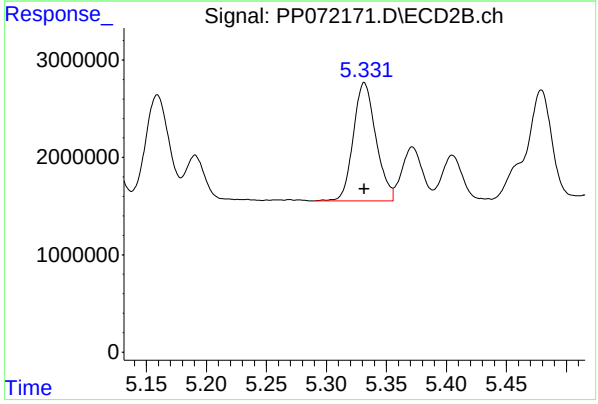
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 14561422
Conc: 753.27 ng/ml



#15 AR-1232-5

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 12352668
Conc: 761.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750



#15 AR-1232-5

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 15928473
Conc: 755.56 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:54
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.501	3.795	102.7E6	84298957	50.000	50.000
2) SA	Decachlor...	10.214	8.823	83645074	56024151	50.000	50.000
	Target Compounds						
11) L3	AR-1232-1	4.864	4.168	24001461	22645075	500.000	500.000
12) L3	AR-1232-2	5.390	4.897	11622194	22266011	500.000	500.000
13) L3	AR-1232-3	5.676	5.075	25922328	11904276	500.000	500.000
14) L3	AR-1232-4	5.836	5.159	12402195	10340360	500.000	500.000
15) L3	AR-1232-5	5.926	5.331	8221206	11267225	500.000	500.000

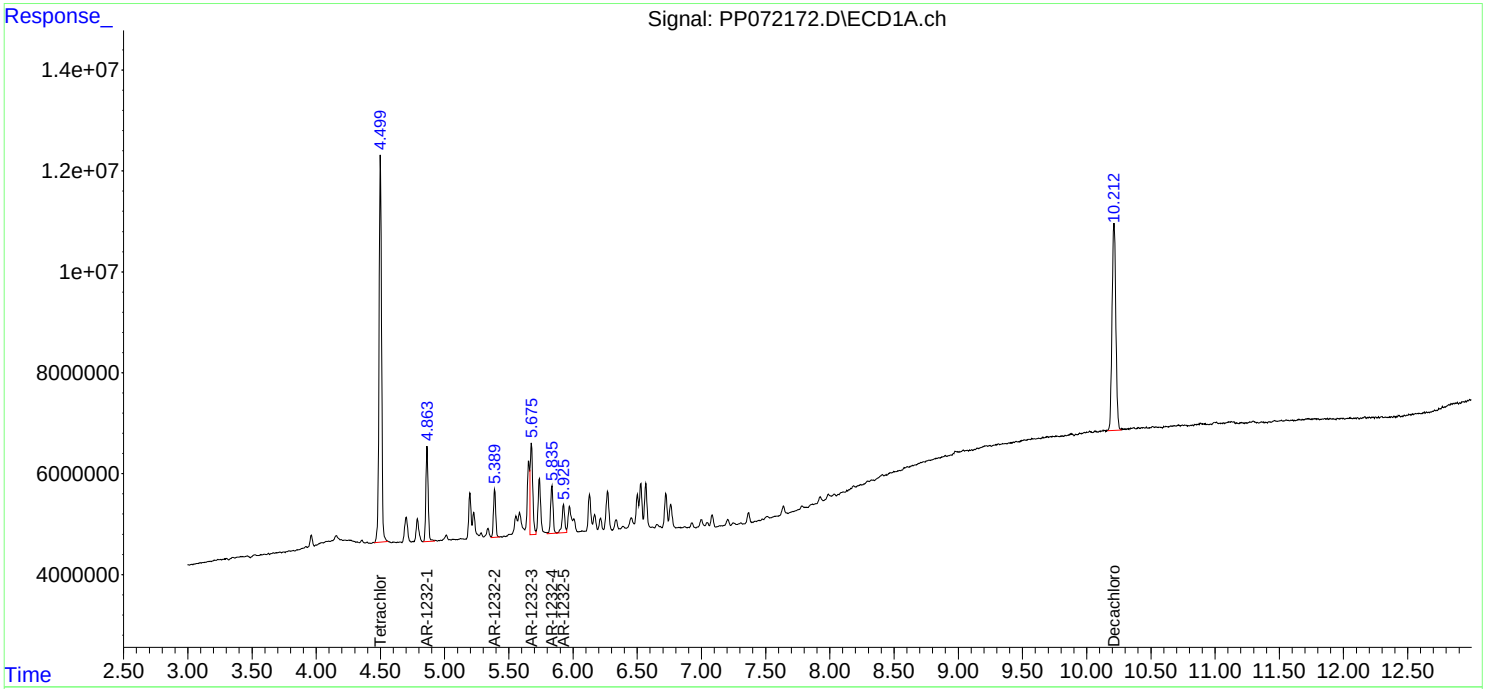
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

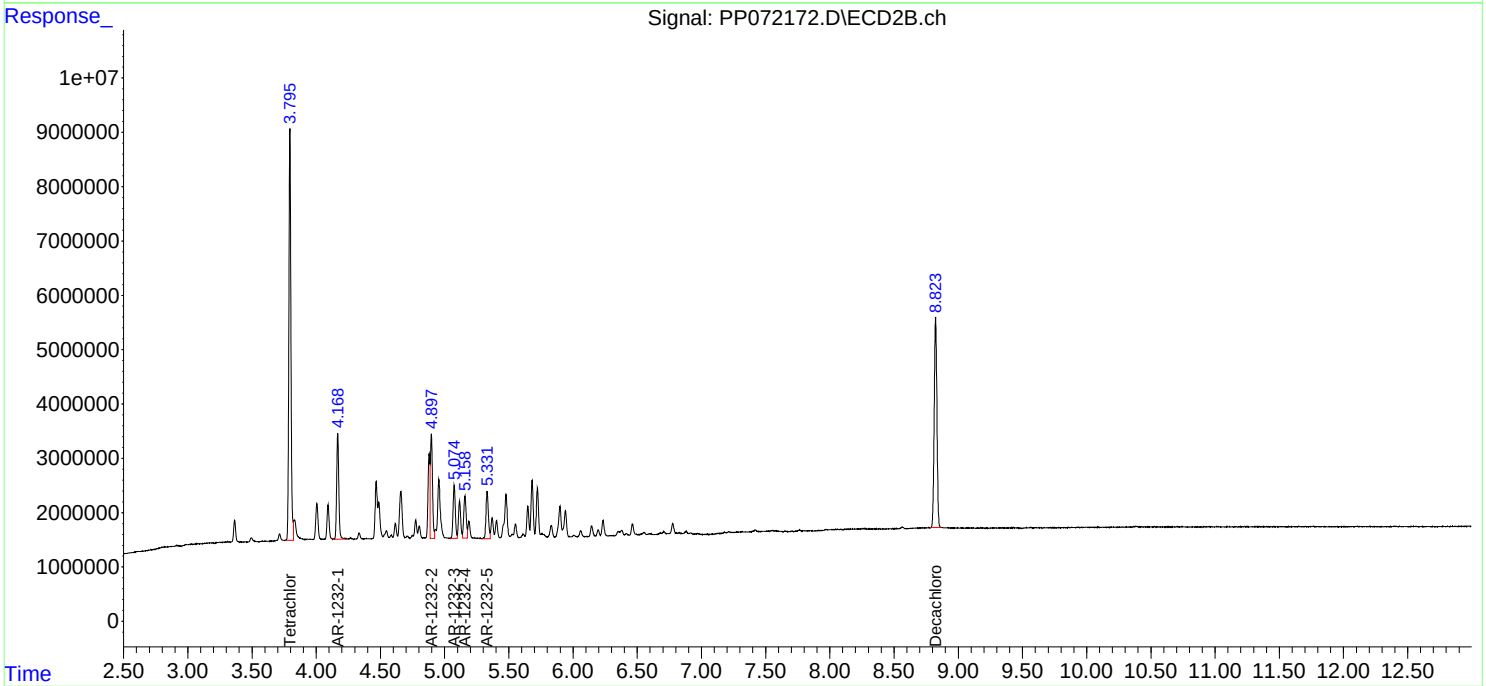
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:54
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

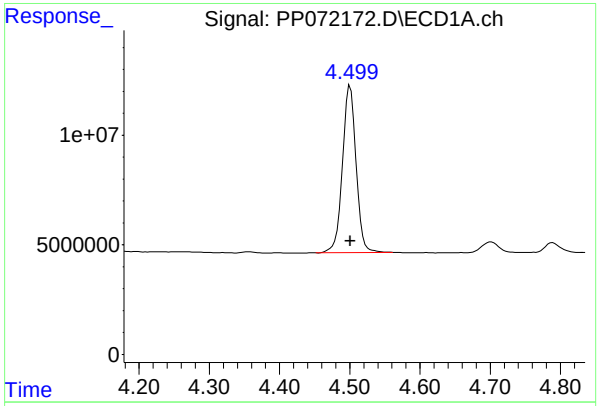
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



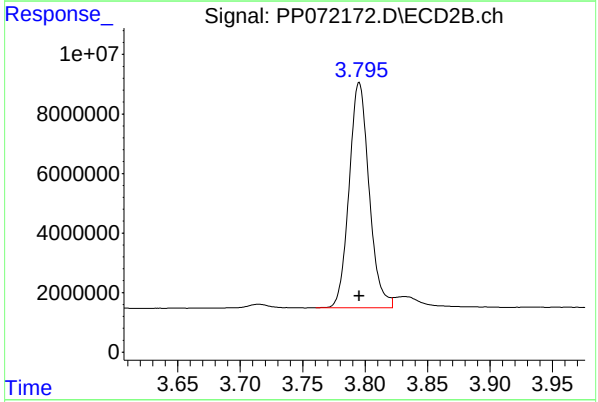




#1 Tetrachloro-m-xylene

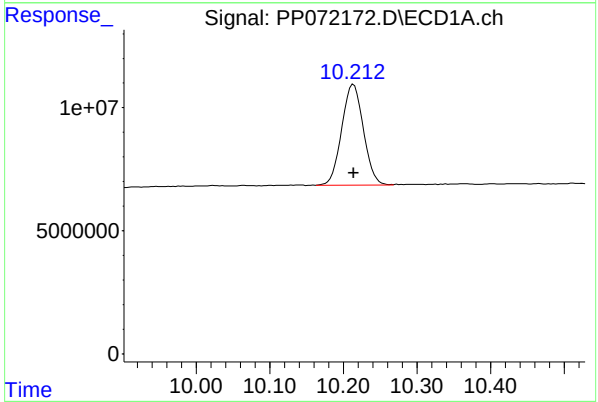
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 102732092
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



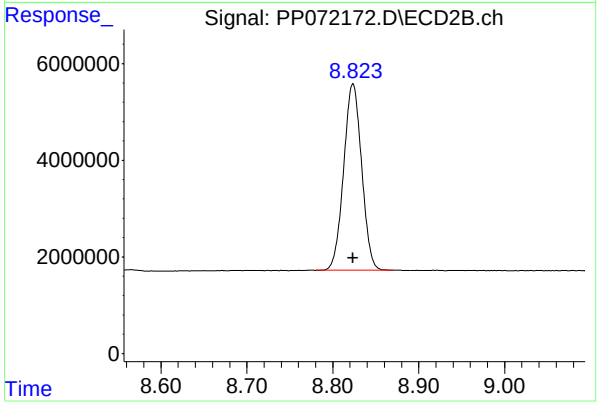
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 84298957
Conc: 50.00 ng/ml



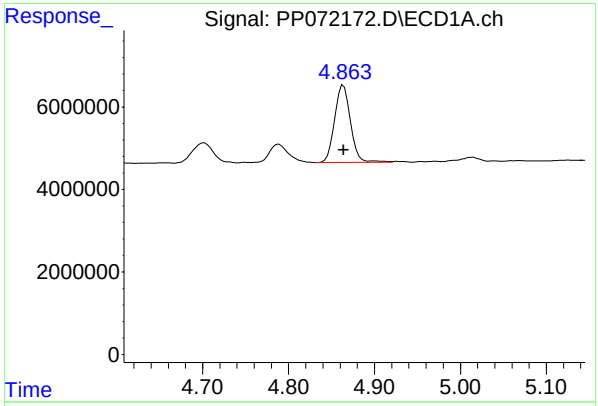
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 83645074
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

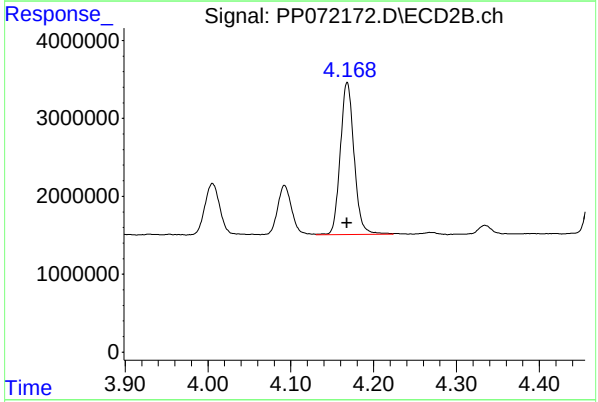
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 56024151
Conc: 50.00 ng/ml



#11 AR-1232-1

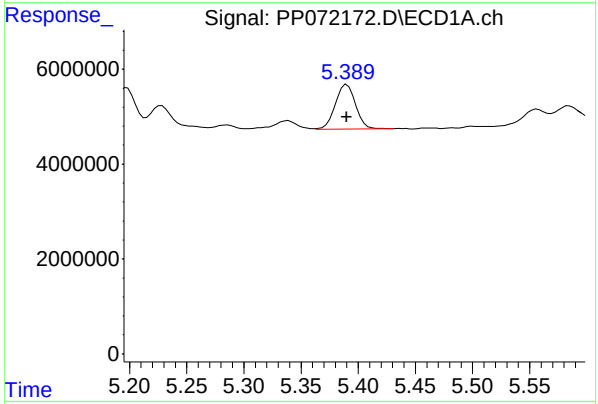
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 24001461
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



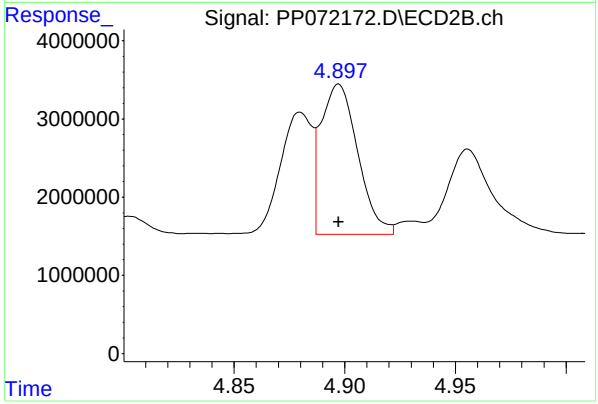
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 22645075
Conc: 500.00 ng/ml



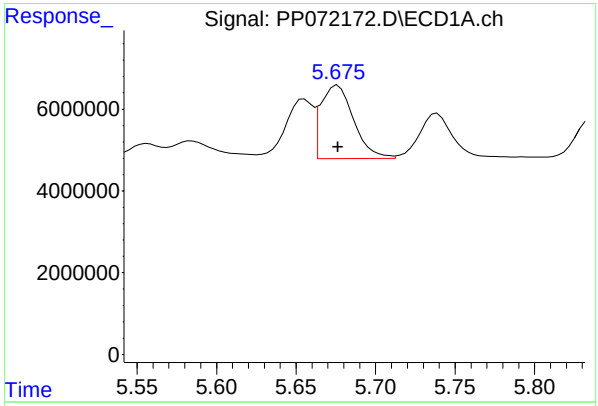
#12 AR-1232-2

R.T.: 5.390 min
Delta R.T.: 0.000 min
Response: 11622194
Conc: 500.00 ng/ml



#12 AR-1232-2

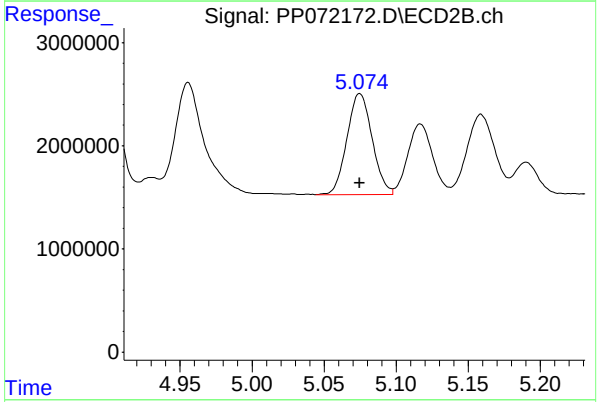
R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 22266011
Conc: 500.00 ng/ml



#13 AR-1232-3

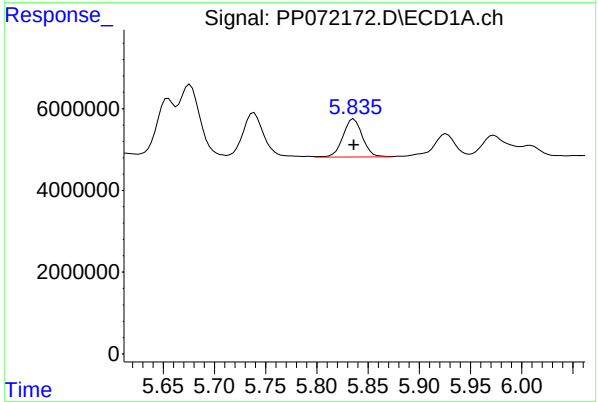
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 25922328
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



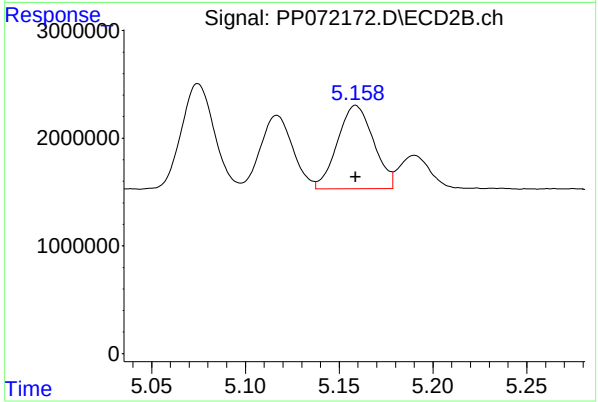
#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 11904276
Conc: 500.00 ng/ml



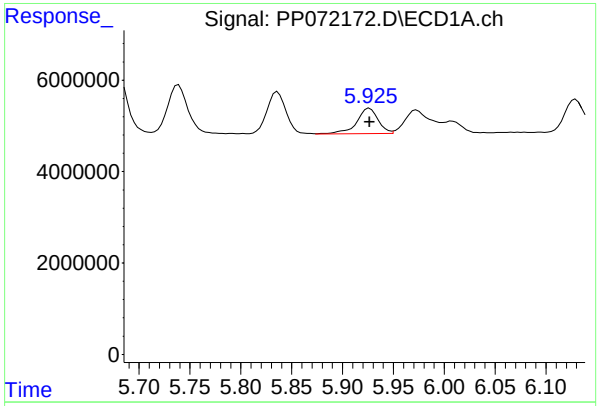
#14 AR-1232-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 12402195
Conc: 500.00 ng/ml



#14 AR-1232-4

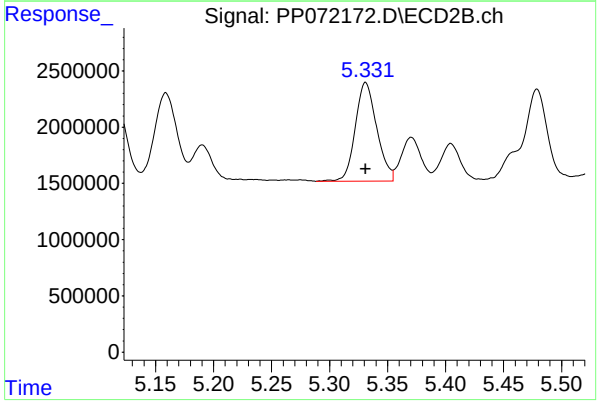
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 10340360
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 8221206
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 11267225
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:10
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:57:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.795	53057253	41777414	26.318	26.023
2)	SA Decachlor...	10.217	8.824	42592543	28685378	26.120	26.506
	Target Compounds						
11)	L3 AR-1232-1	4.865	4.167	12061819	11916931	259.084	278.487
12)	L3 AR-1232-2	5.391	4.897	5757452	11850655	253.297	273.502
13)	L3 AR-1232-3	5.678	5.074	13595730	6293241	267.701	273.247
14)	L3 AR-1232-4	5.838	5.158	6545799	5422323	266.163	272.197
15)	L3 AR-1232-5	5.928	5.331	4527330	6054853	271.199	276.907

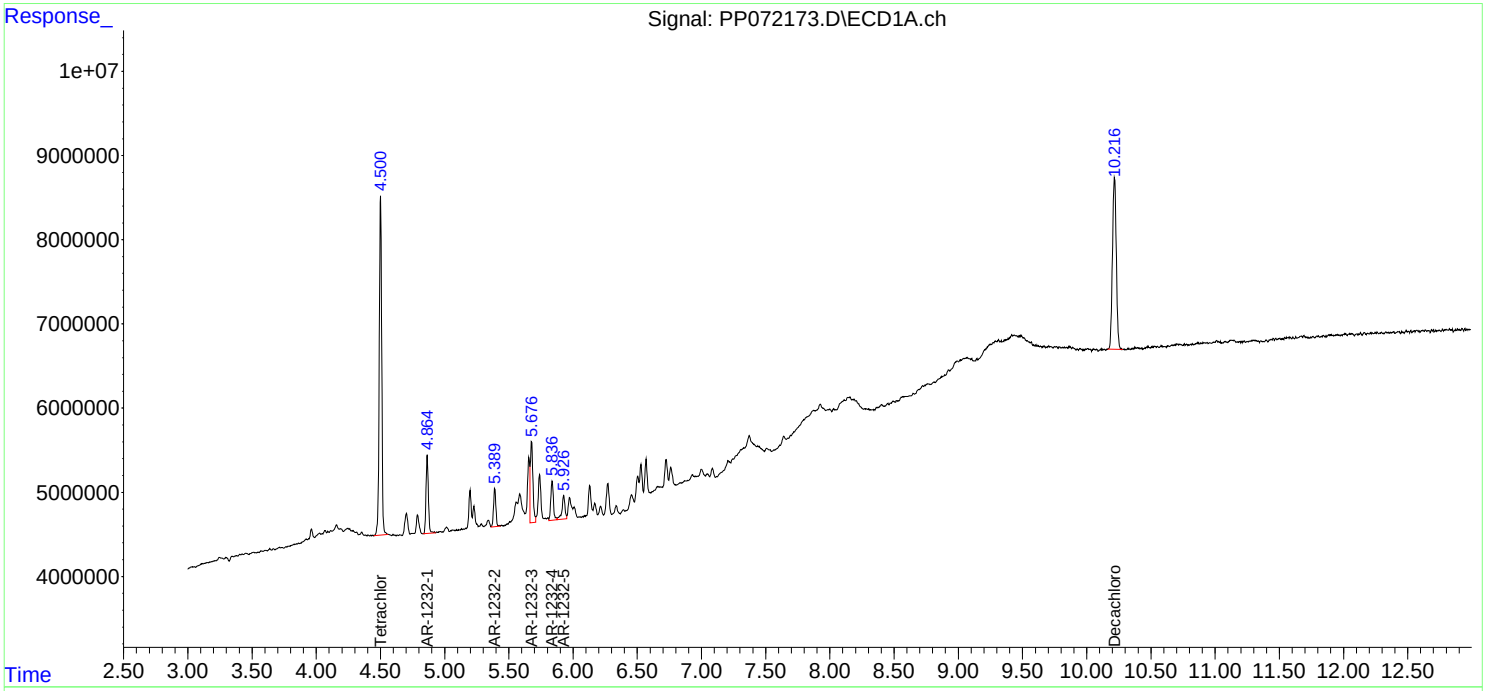
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

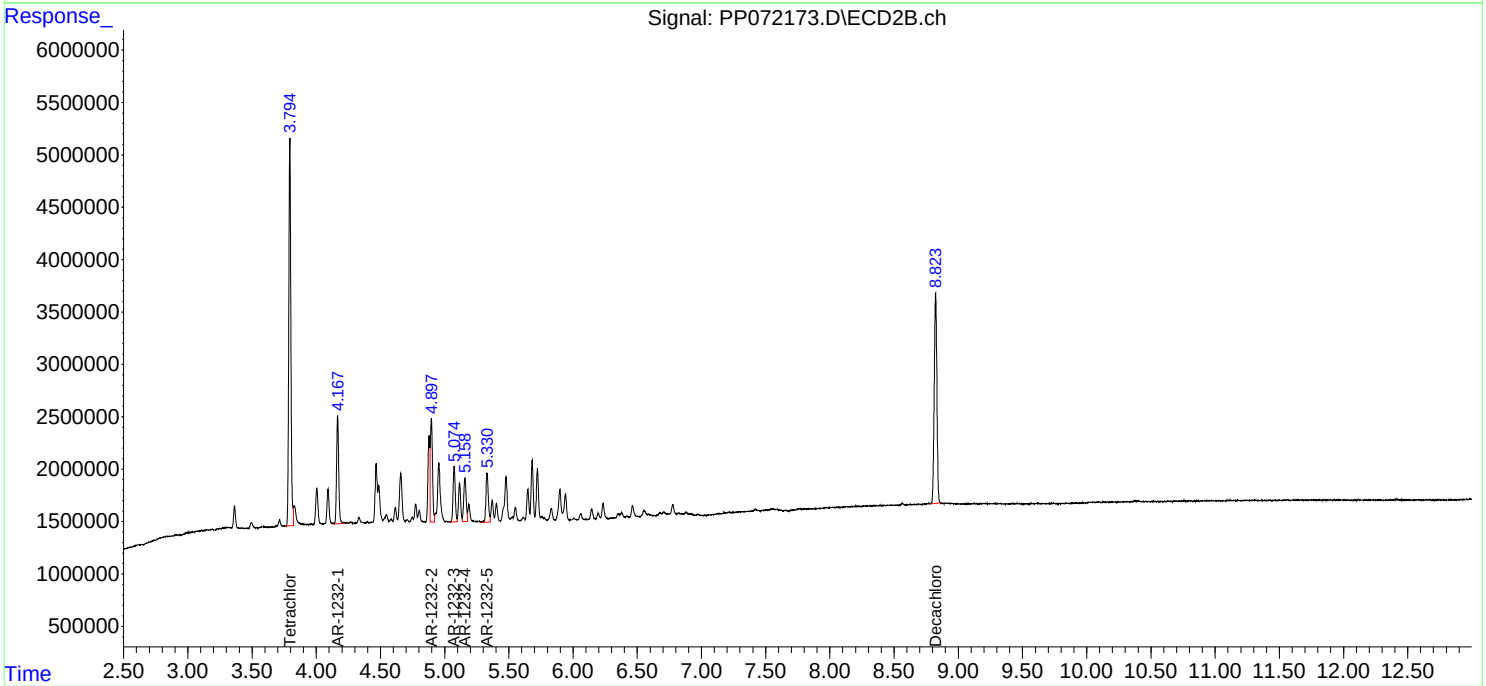
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:10
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

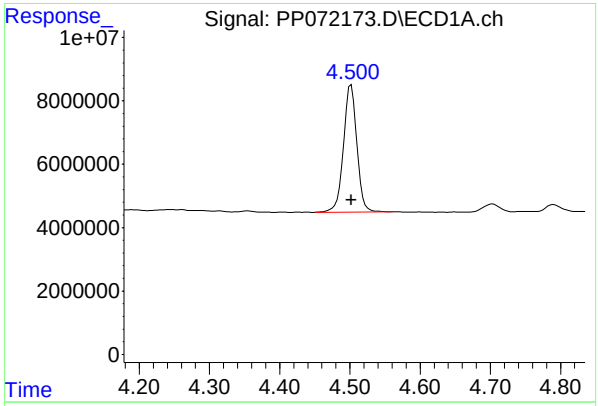
Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:57:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



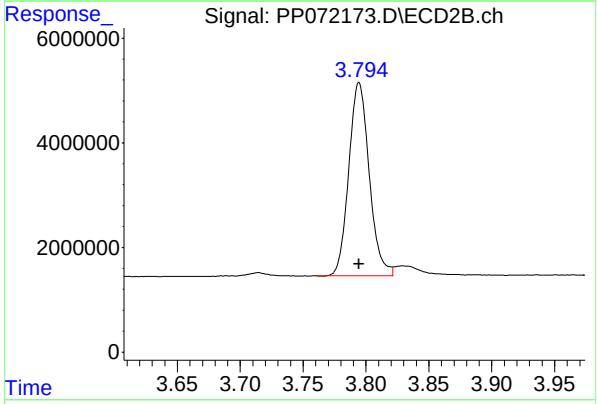




#1 Tetrachloro-m-xylene

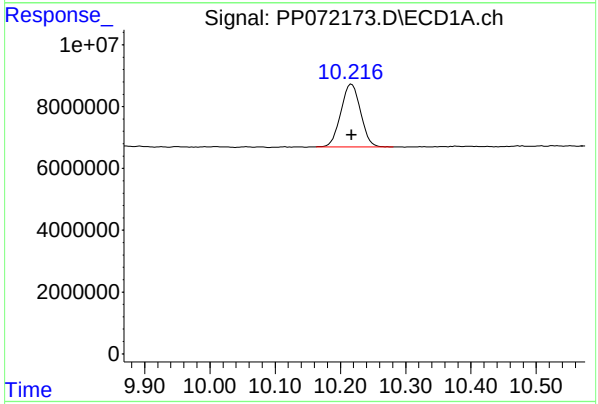
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 53057253
Conc: 26.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



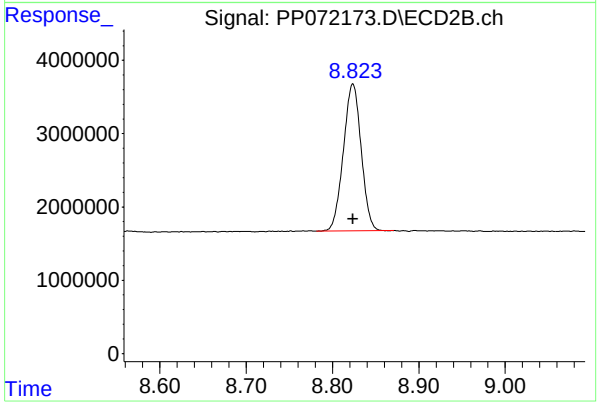
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.000 min
Response: 41777414
Conc: 26.02 ng/ml



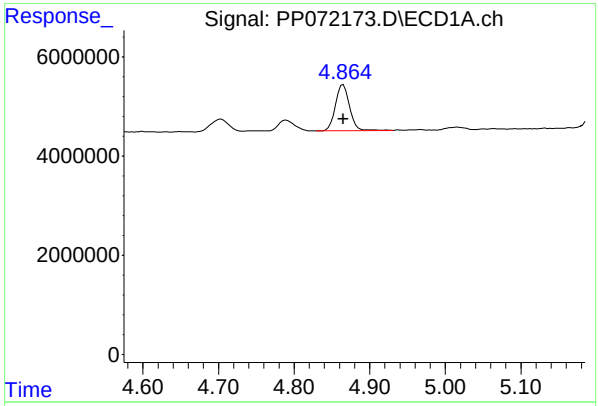
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 42592543
Conc: 26.12 ng/ml



#2 Decachlorobiphenyl

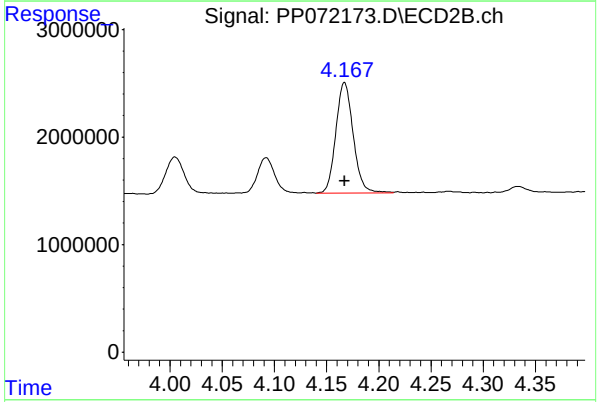
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 28685378
Conc: 26.51 ng/ml



#11 AR-1232-1

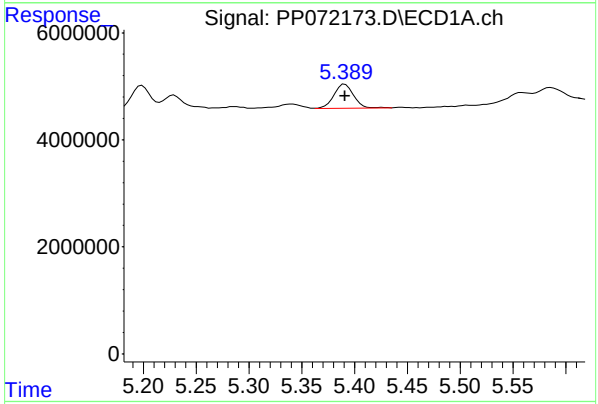
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 12061819
Conc: 259.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



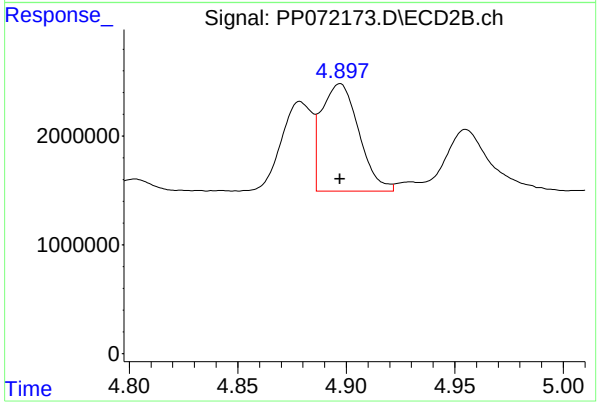
#11 AR-1232-1

R.T.: 4.167 min
Delta R.T.: 0.000 min
Response: 11916931
Conc: 278.49 ng/ml



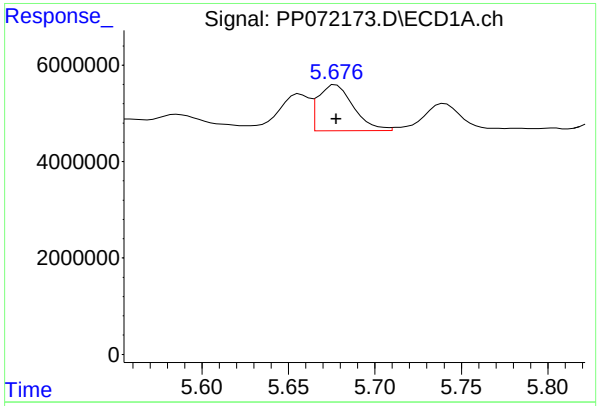
#12 AR-1232-2

R.T.: 5.391 min
Delta R.T.: 0.000 min
Response: 5757452
Conc: 253.30 ng/ml



#12 AR-1232-2

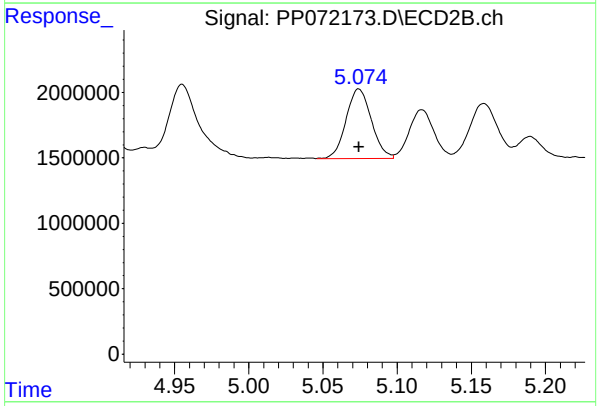
R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 11850655
Conc: 273.50 ng/ml



#13 AR-1232-3

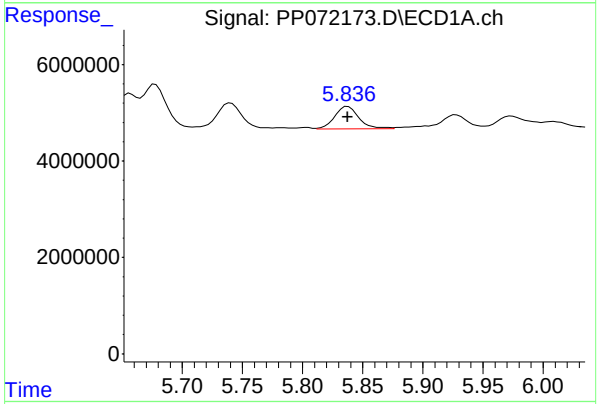
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 13595730
Conc: 267.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



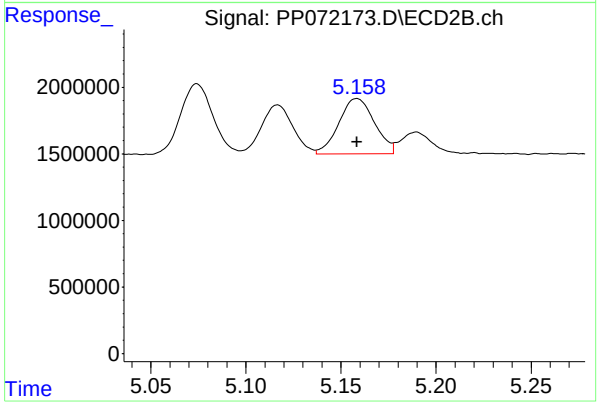
#13 AR-1232-3

R.T.: 5.074 min
Delta R.T.: 0.000 min
Response: 6293241
Conc: 273.25 ng/ml



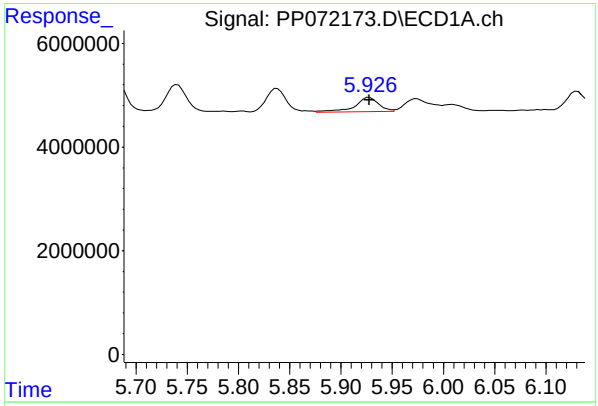
#14 AR-1232-4

R.T.: 5.838 min
Delta R.T.: 0.000 min
Response: 6545799
Conc: 266.16 ng/ml



#14 AR-1232-4

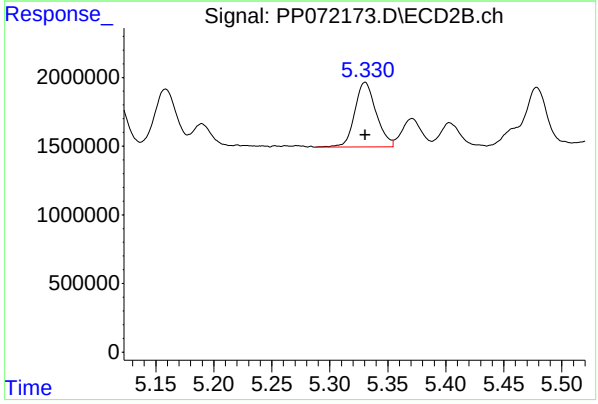
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 5422323
Conc: 272.20 ng/ml



#15 AR-1232-5

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 4527330
Conc: 271.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 6054853
Conc: 276.91 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.499	3.796	9615863	7891304	4.814	4.932
2)	SA Decachlor...	10.211	8.824	7499330	5759848	4.674	5.254
	Target Compounds						
11)	L3 AR-1232-1	4.863	4.168	2465980	2277793	52.347	52.551
12)	L3 AR-1232-2	5.389	4.898	1274783	2379299	54.751	53.854
13)	L3 AR-1232-3	5.674	5.075	2358363	1239517	46.317m	53.009
14)	L3 AR-1232-4	5.832	5.160	1356122	1195921	55.264m	57.718
15)	L3 AR-1232-5	5.924	5.331	1041139	1415397	59.427	61.129

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

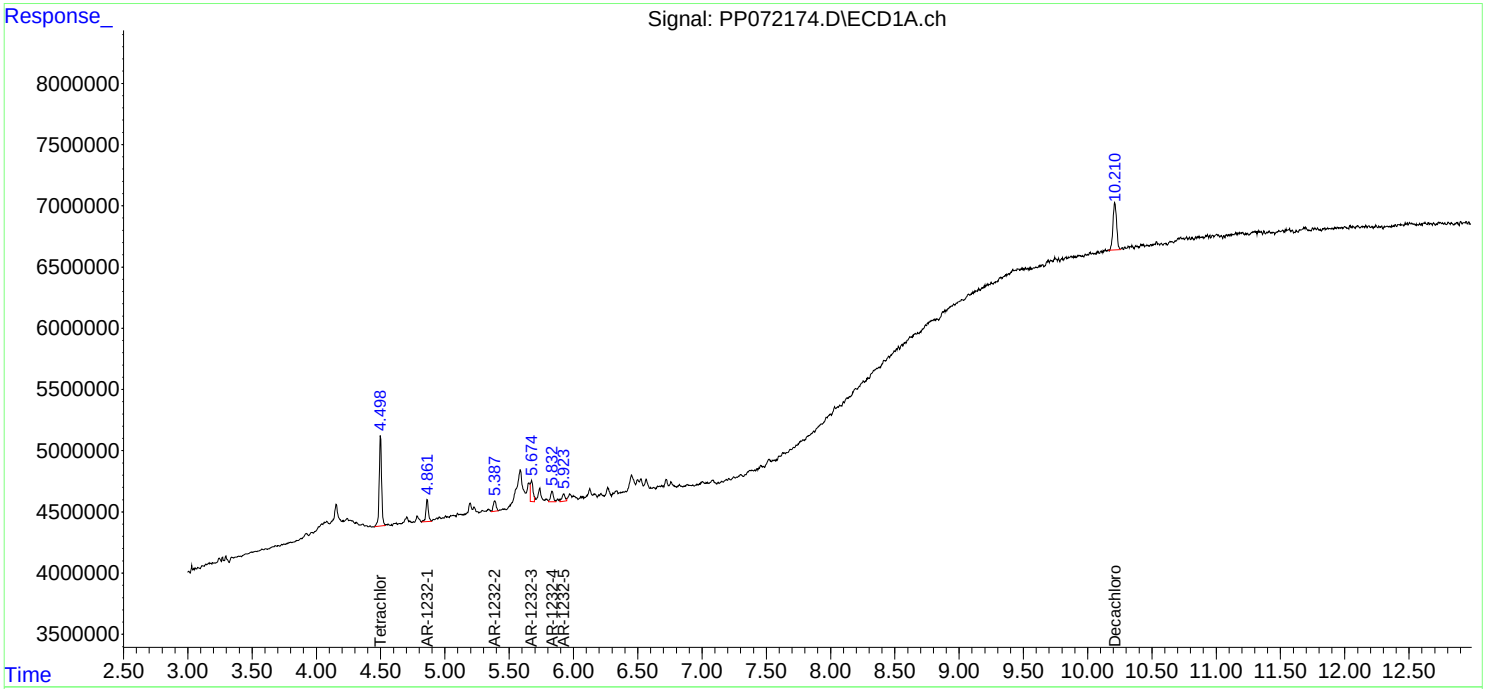
Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

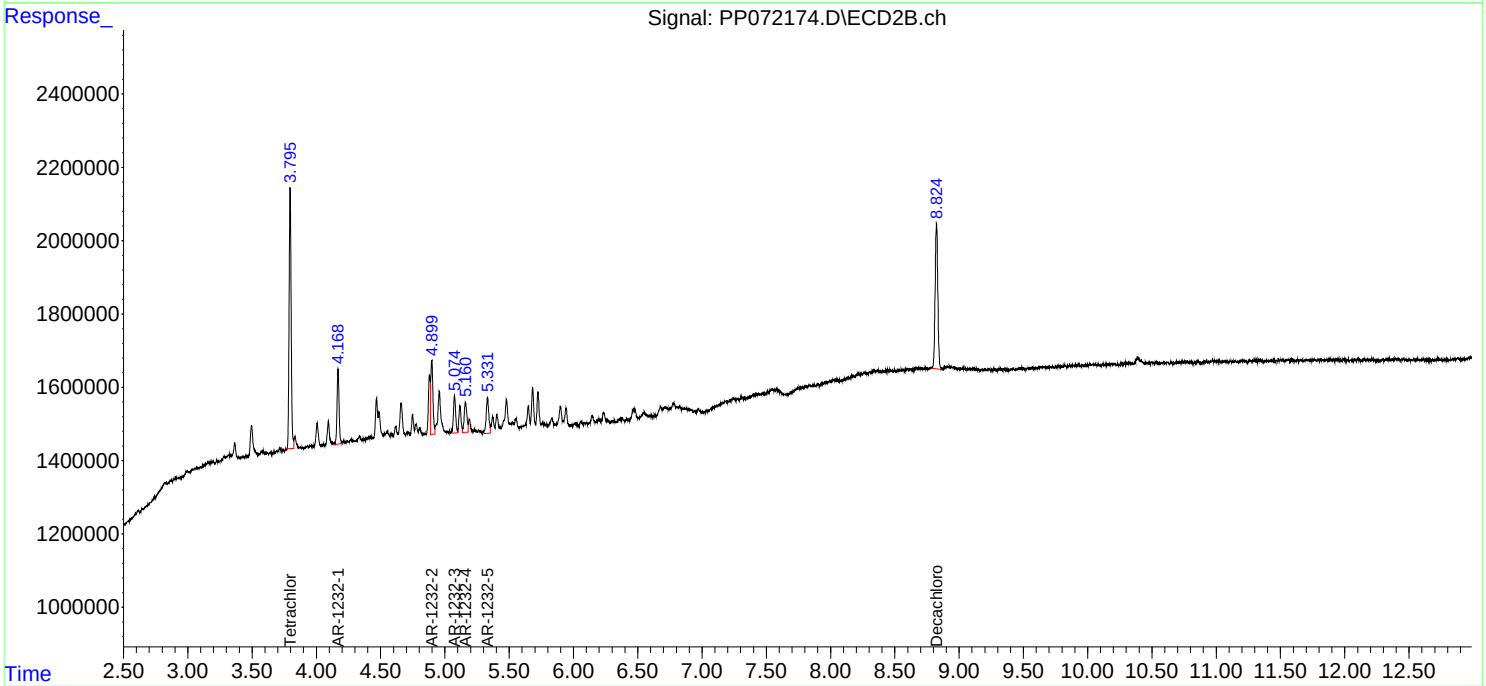
Manual Integrations APPROVED

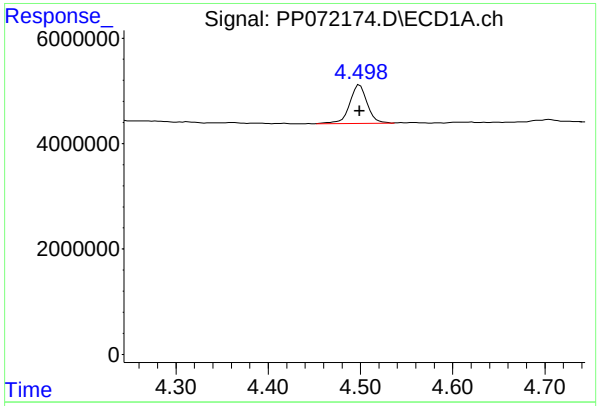
Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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







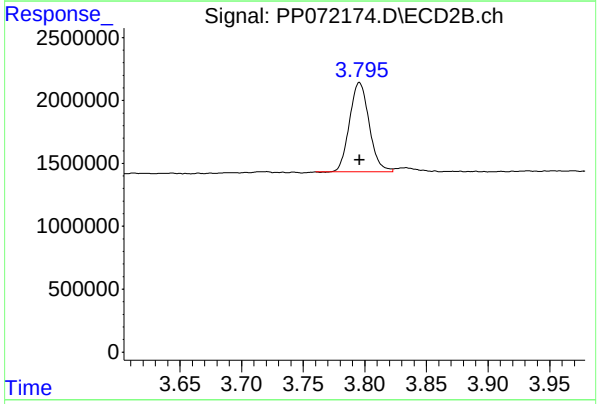
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 9615863
Conc: 4.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

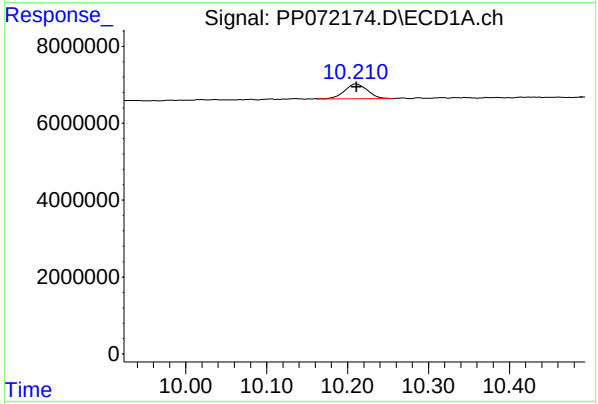
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



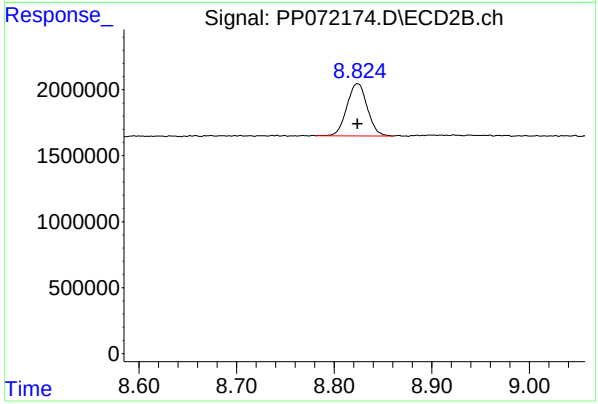
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 7891304
Conc: 4.93 ng/ml



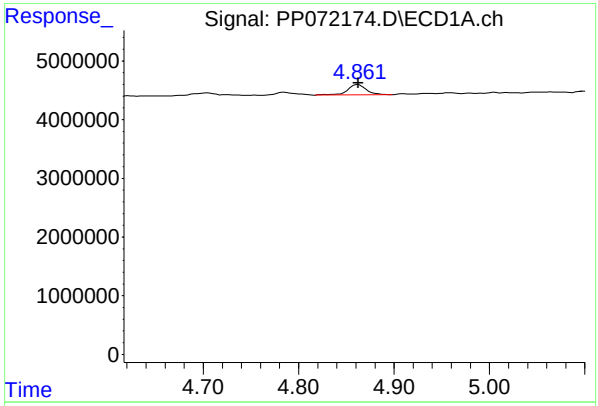
#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: 0.000 min
Response: 7499330
Conc: 4.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5759848
Conc: 5.25 ng/ml



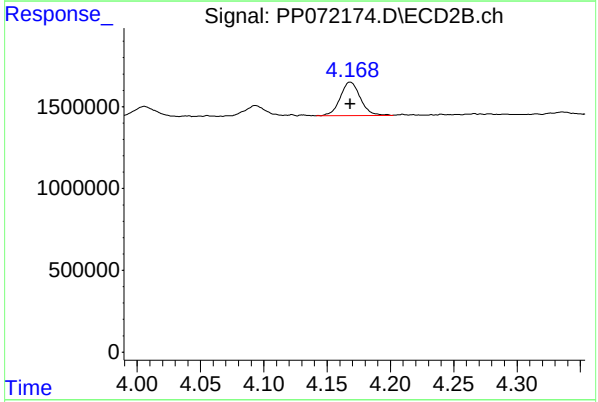
#11 AR-1232-1

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 2465980
Conc: 52.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

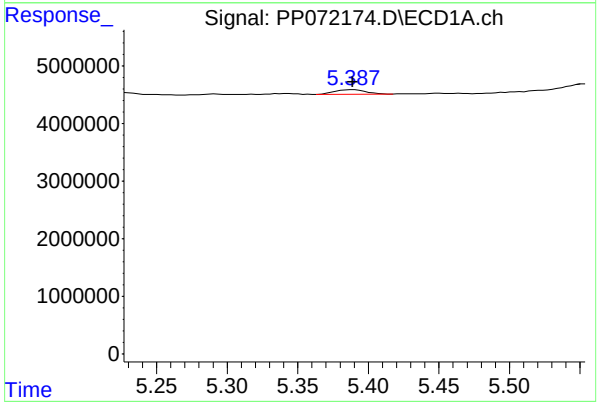
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



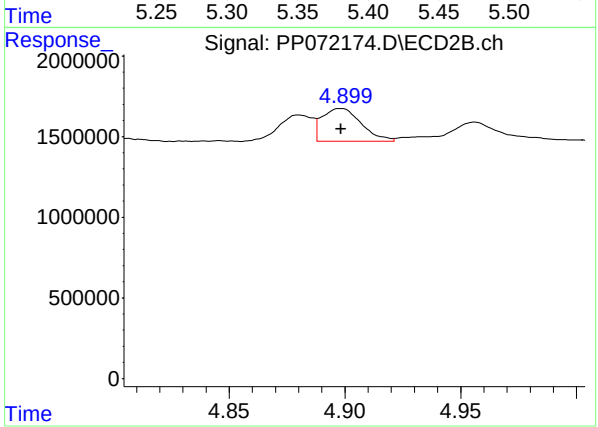
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 2277793
Conc: 52.55 ng/ml



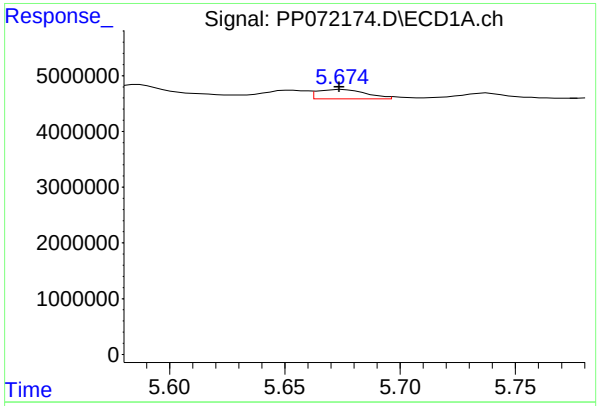
#12 AR-1232-2

R.T.: 5.389 min
Delta R.T.: 0.000 min
Response: 1274783
Conc: 54.75 ng/ml



#12 AR-1232-2

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 2379299
Conc: 53.85 ng/ml



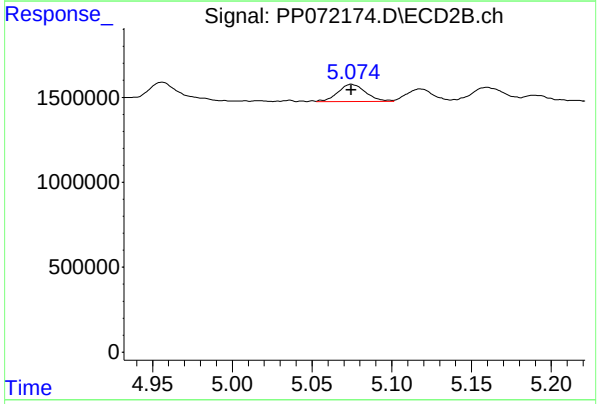
#13 AR-1232-3

R.T.: 5.674 min
Delta R.T.: 0.000 mi
Response: 2358363
Conc: 46.32 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

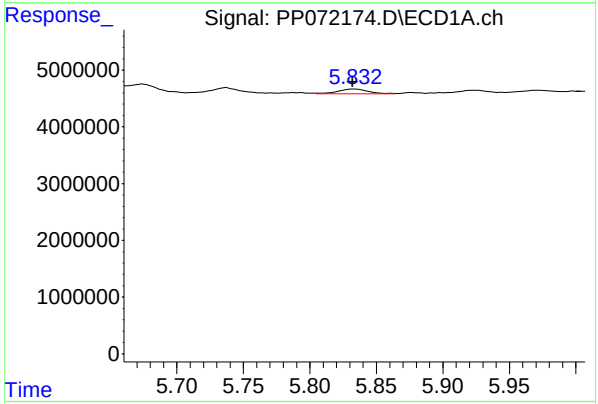
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



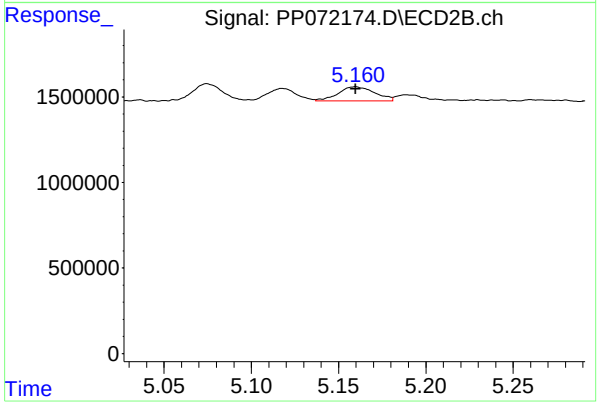
#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 1239517
Conc: 53.01 ng/ml



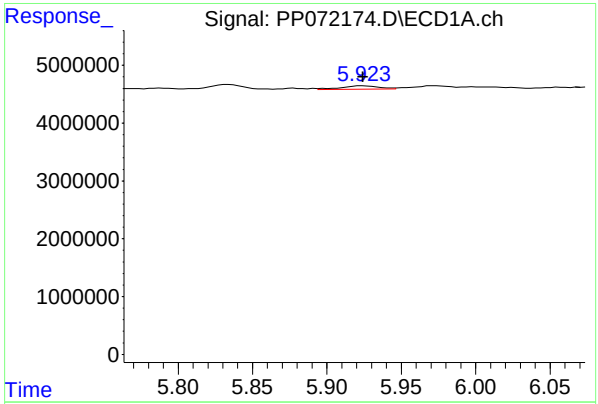
#14 AR-1232-4

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 1356122
Conc: 55.26 ng/ml m



#14 AR-1232-4

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 1195921
Conc: 57.72 ng/ml



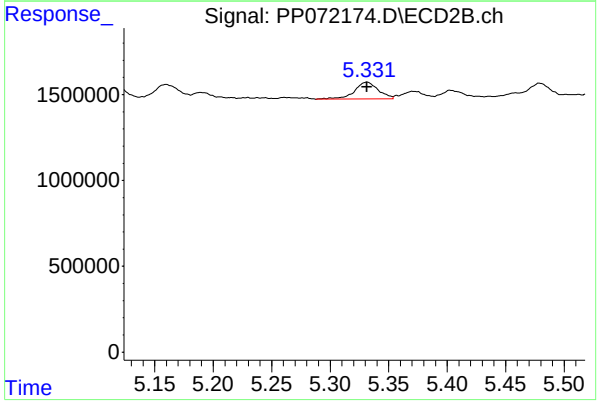
#15 AR-1232-5

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1041139
Conc: 59.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 1415397
Conc: 61.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:43
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.797	182.8E6	154.6E6	95.720	98.241
2)	SA Decachlor...	10.216	8.825	152.6E6	96717168	96.225	96.077
	Target Compounds						
16)	L4 AR-1242-1	5.656	4.881	56211553	46123670	950.363	932.105
17)	L4 AR-1242-2	5.678	4.898	82973080	66003789	949.042	933.080
18)	L4 AR-1242-3	5.740	5.076	51559127	34394227	963.224	911.604
19)	L4 AR-1242-4	5.837	5.160	41207603	32146418	945.604	905.879
20)	L4 AR-1242-5	6.568	5.683	47977894	41776015	970.648	922.915

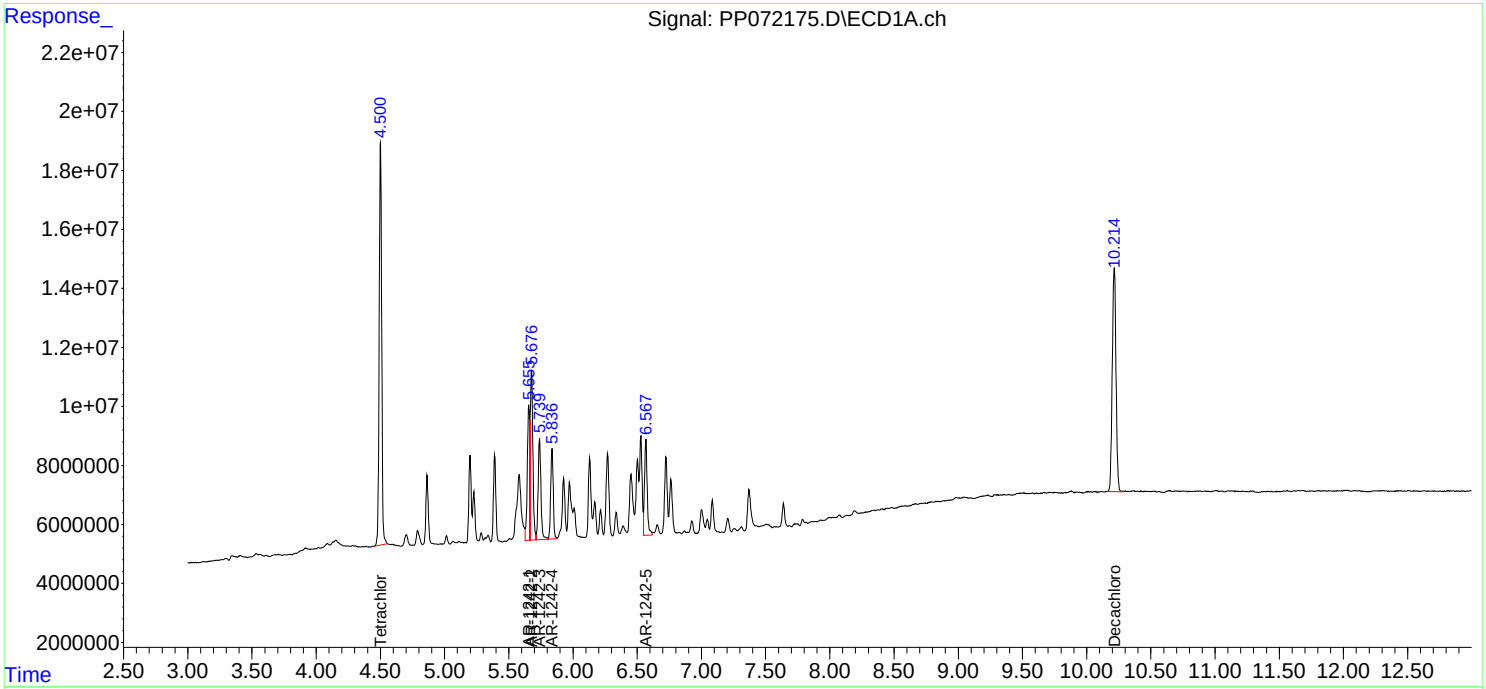
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

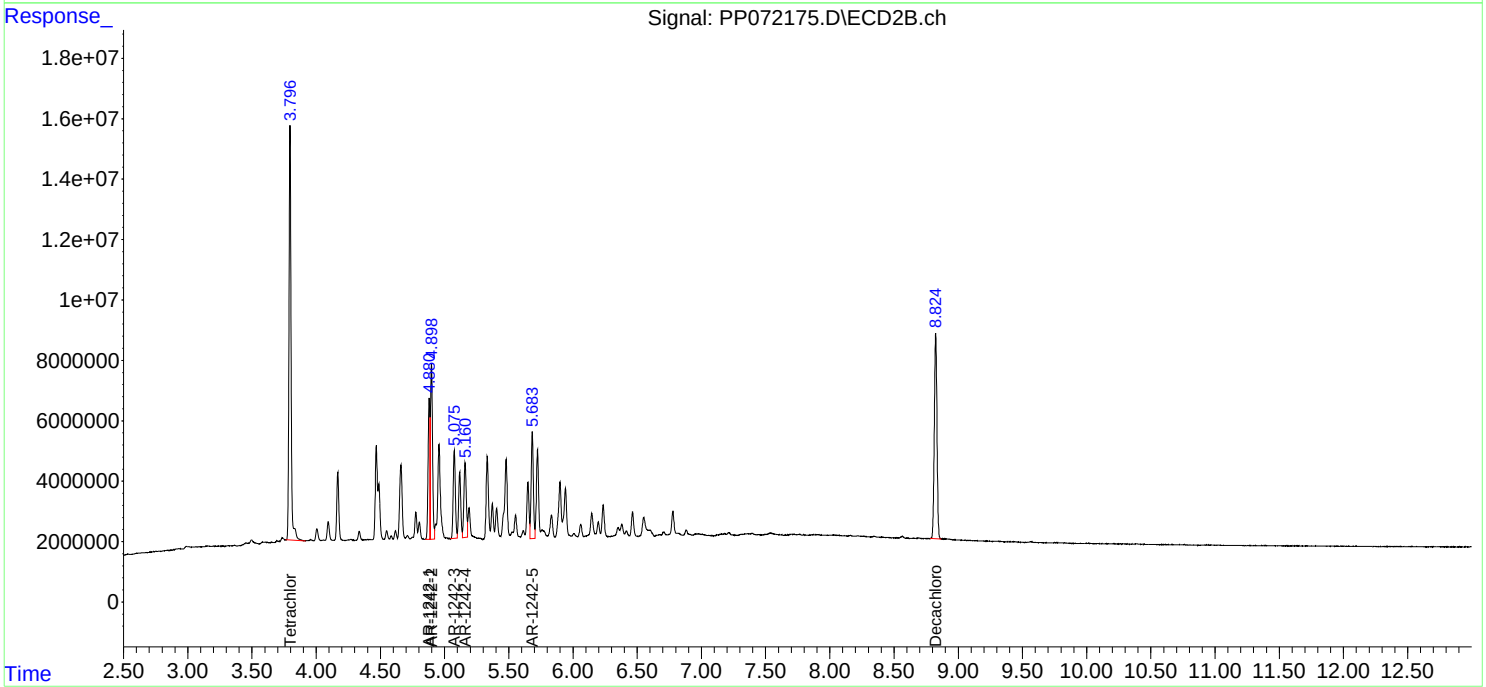
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:43
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

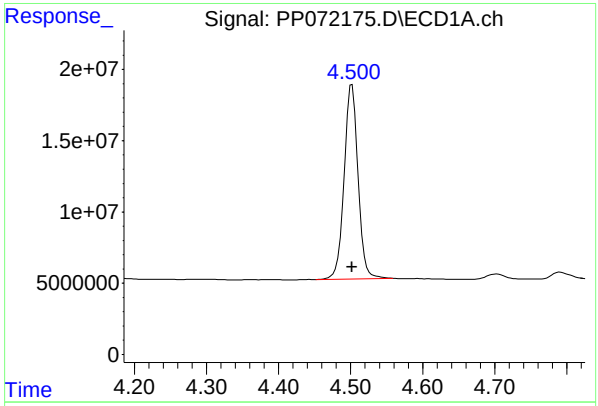
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



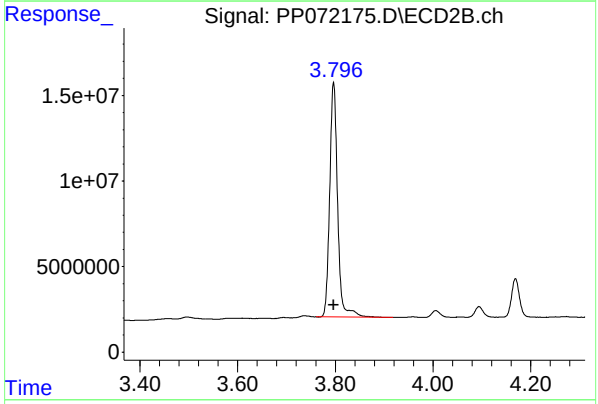




#1 Tetrachloro-m-xylene

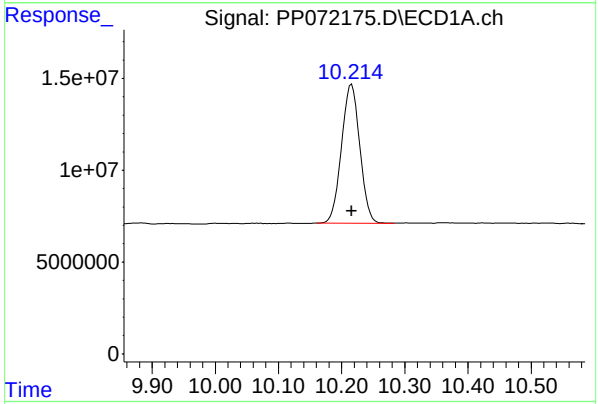
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 182780849
Conc: 95.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



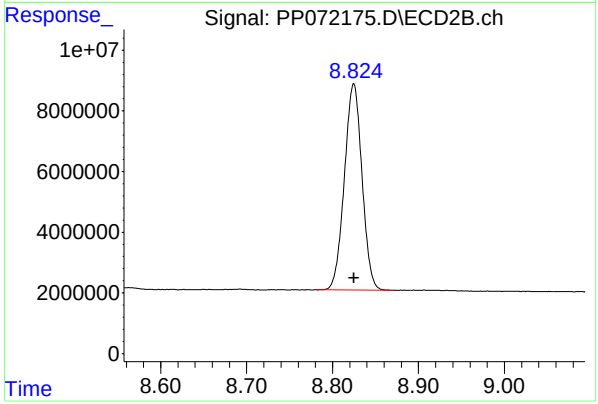
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 154562185
Conc: 98.24 ng/ml



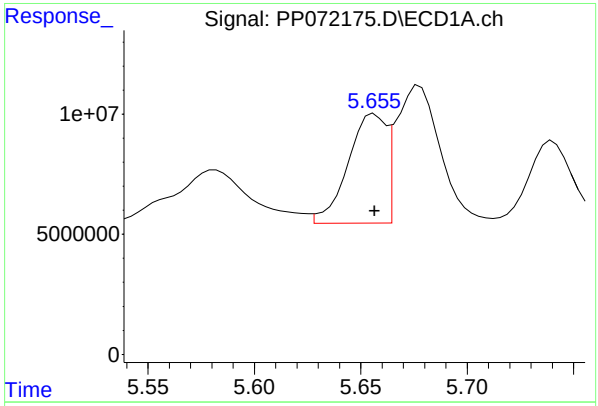
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.000 min
Response: 152621418
Conc: 96.22 ng/ml



#2 Decachlorobiphenyl

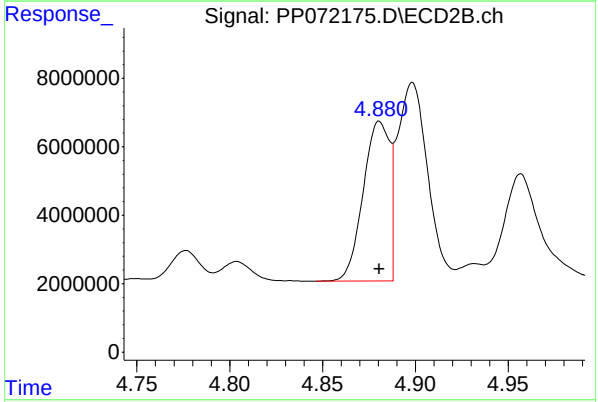
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 96717168
Conc: 96.08 ng/ml



#16 AR-1242-1

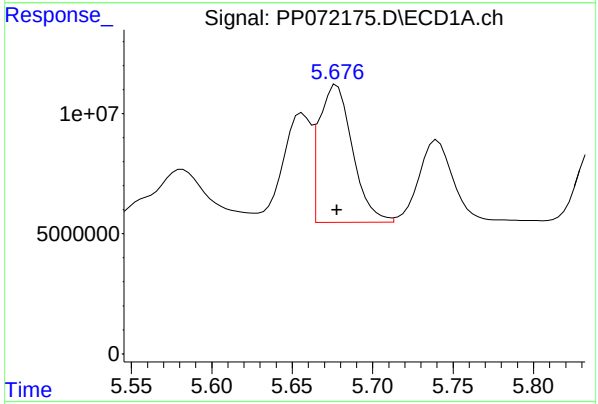
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 56211553
Conc: 950.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



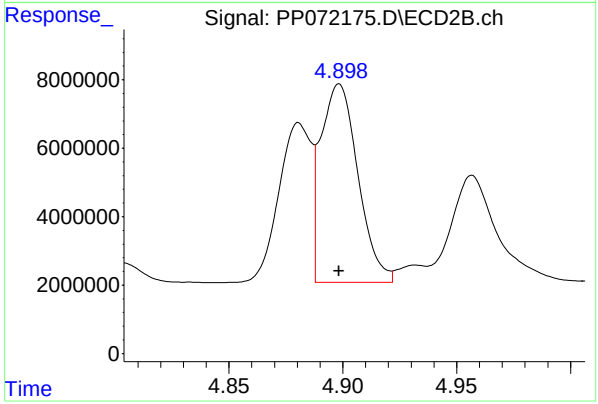
#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 46123670
Conc: 932.11 ng/ml



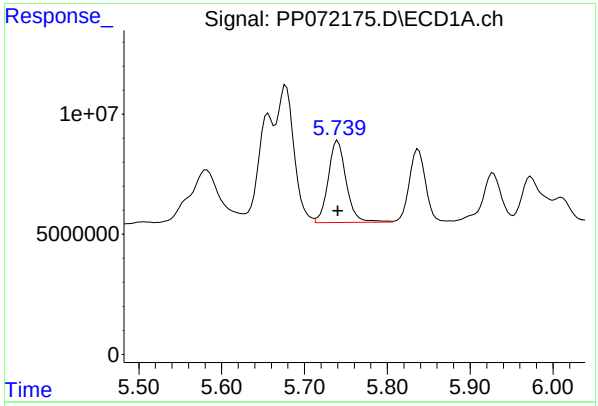
#17 AR-1242-2

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 82973080
Conc: 949.04 ng/ml



#17 AR-1242-2

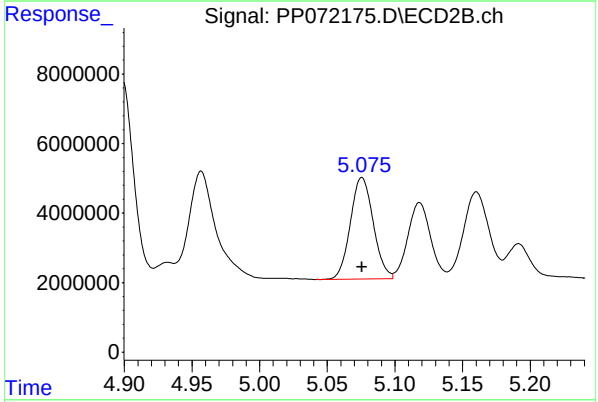
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 66003789
Conc: 933.08 ng/ml



#18 AR-1242-3

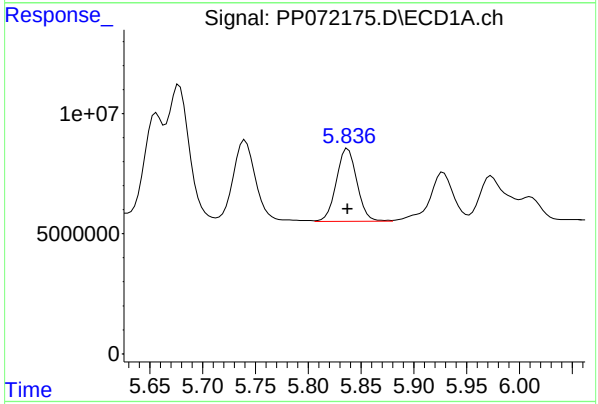
R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 51559127
Conc: 963.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



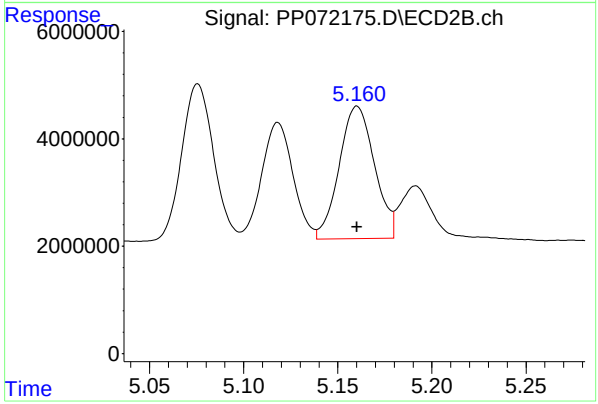
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 34394227
Conc: 911.60 ng/ml



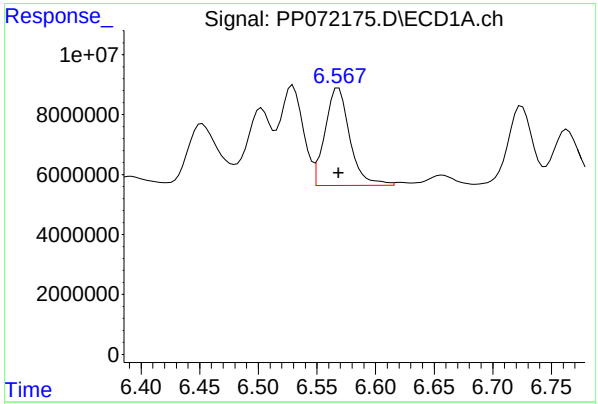
#19 AR-1242-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 41207603
Conc: 945.60 ng/ml



#19 AR-1242-4

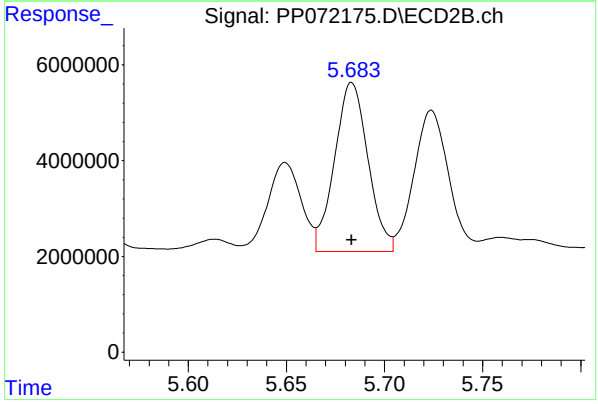
R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 32146418
Conc: 905.88 ng/ml



#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 47977894
Conc: 970.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 41776015
Conc: 922.91 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:59
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:45:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.501	3.797	144.7E6	125.3E6	75.506	78.026
2)	SA Decachlor...	10.215	8.825	117.5E6	80603094	74.400	78.305
	Target Compounds						
16)	L4 AR-1242-1	5.656	4.881	42992304	37426857	734.417	754.223
17)	L4 AR-1242-2	5.677	4.899	64478622	53279521	741.623	752.130
18)	L4 AR-1242-3	5.739	5.076	39091479	29082900	736.754	763.759
19)	L4 AR-1242-4	5.837	5.161	32272993	27640589	743.693	769.026
20)	L4 AR-1242-5	6.568	5.684	36522171	34960050	742.554	764.745

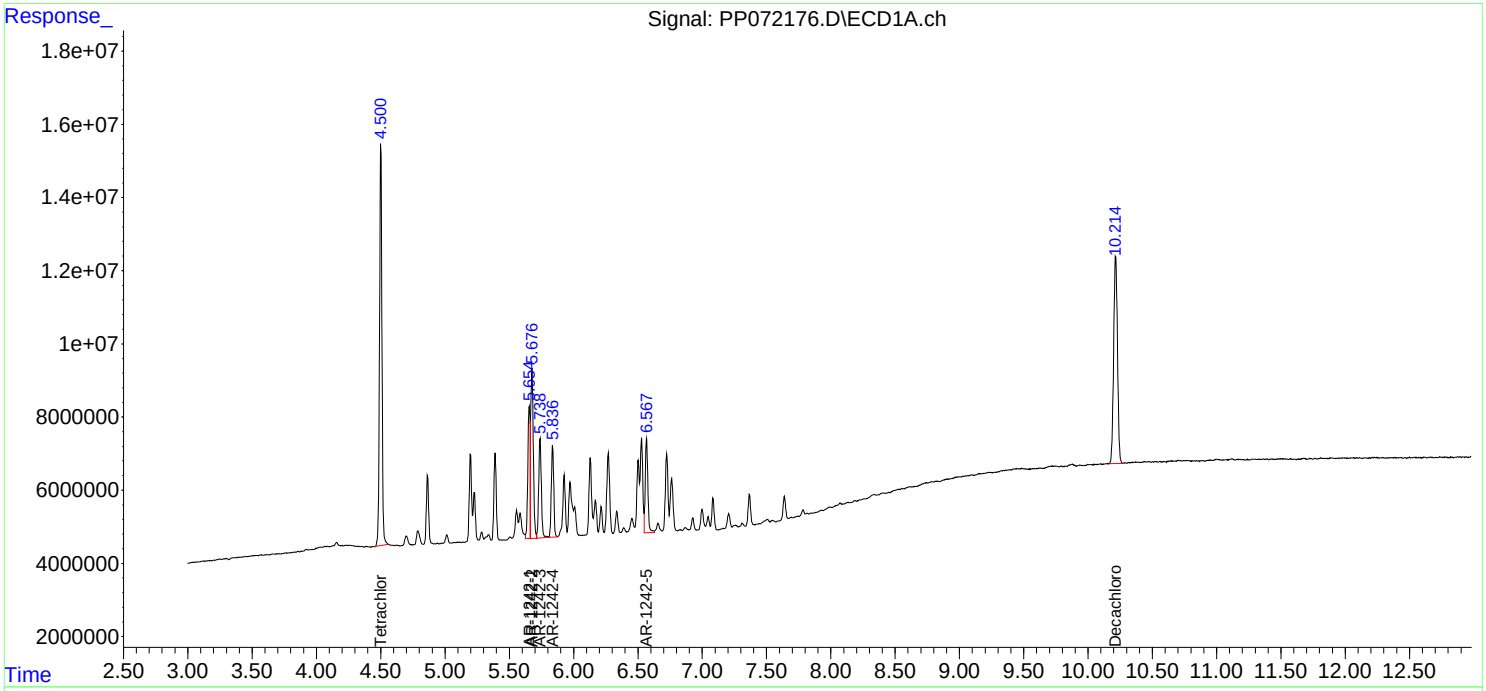
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

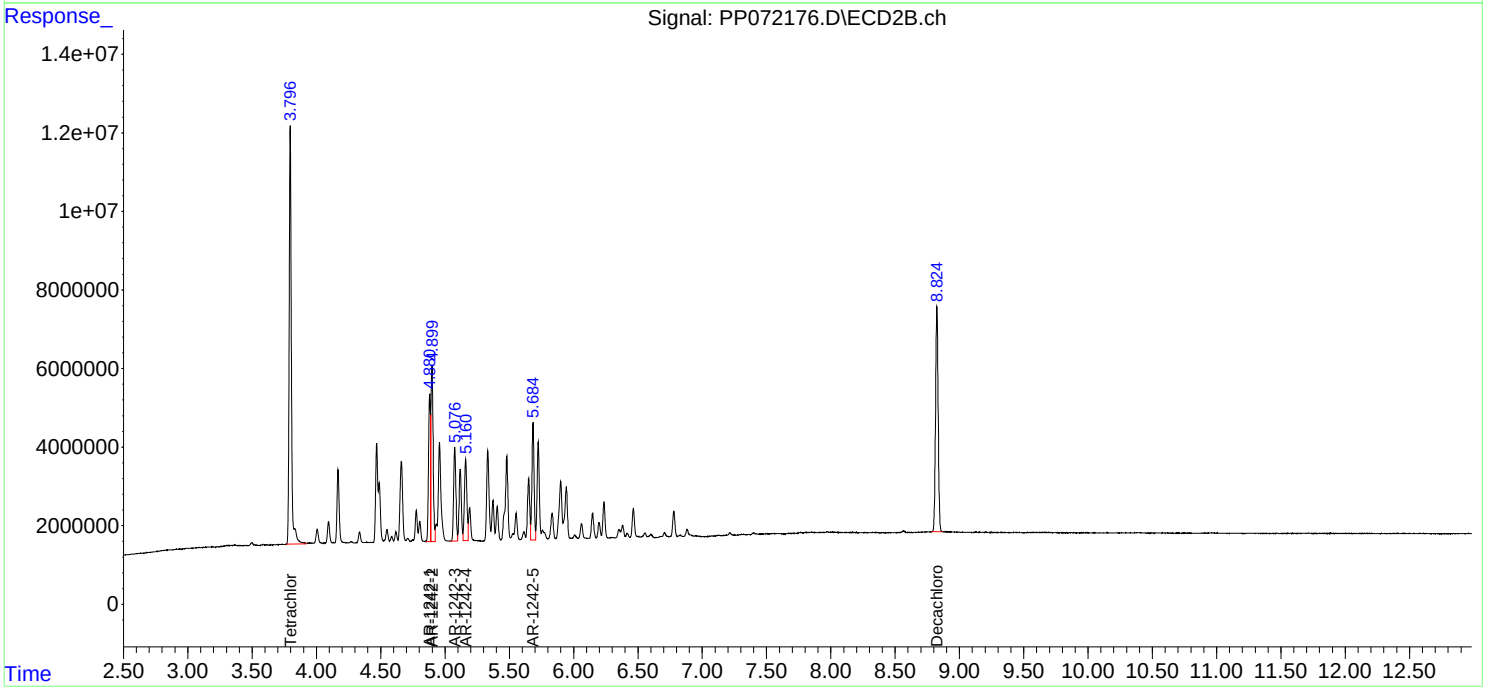
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:59
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

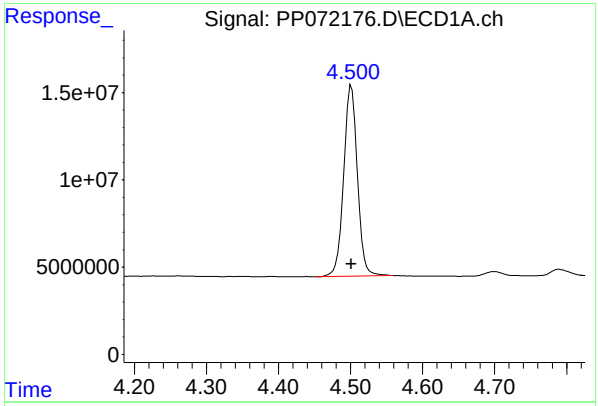
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:45:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



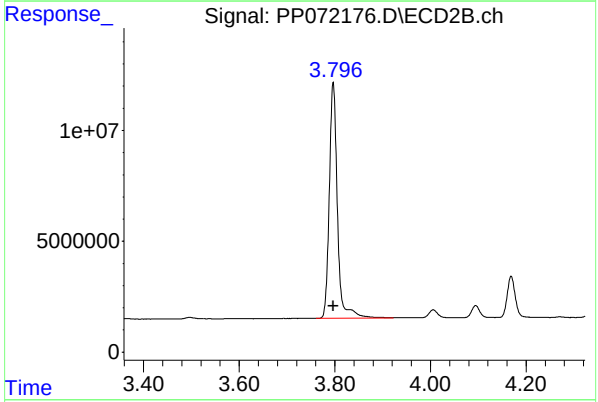




#1 Tetrachloro-m-xylene

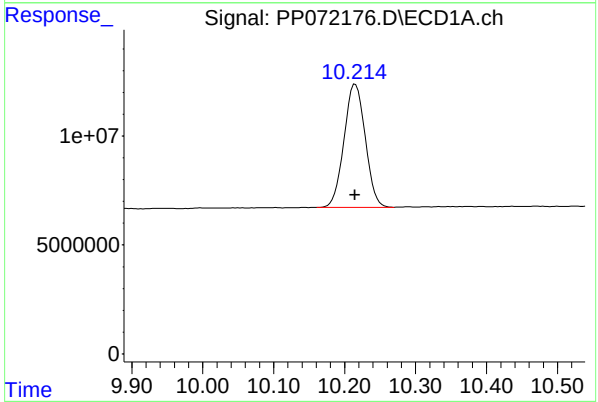
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 144669564
Conc: 75.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



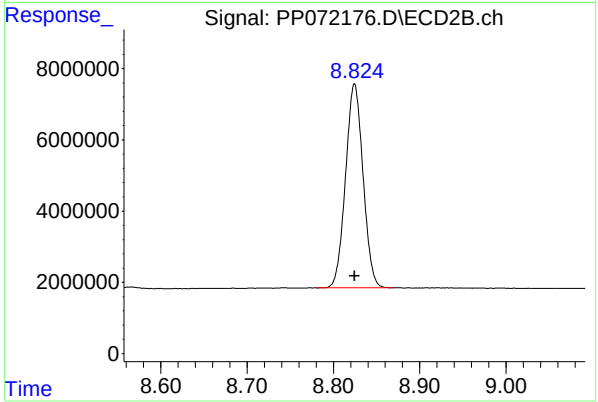
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 125283674
Conc: 78.03 ng/ml



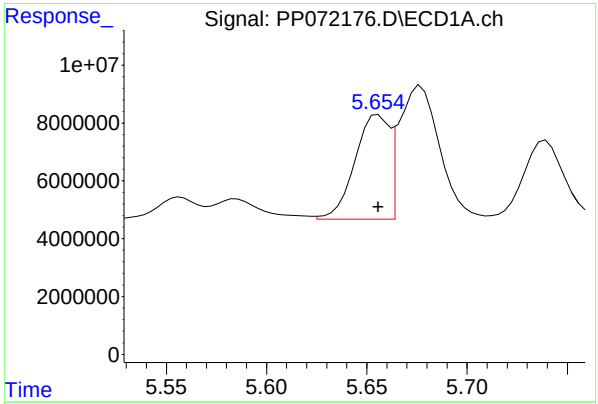
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 117535026
Conc: 74.40 ng/ml



#2 Decachlorobiphenyl

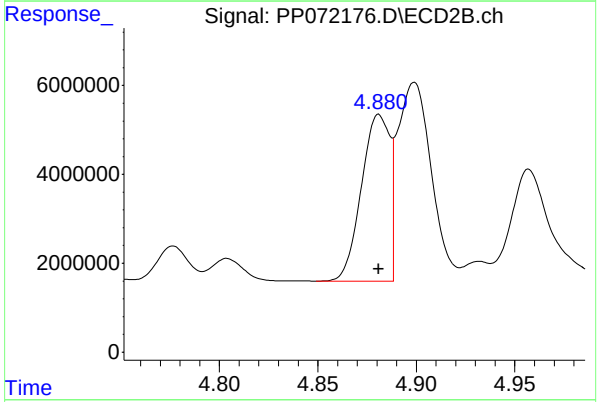
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 80603094
Conc: 78.30 ng/ml



#16 AR-1242-1

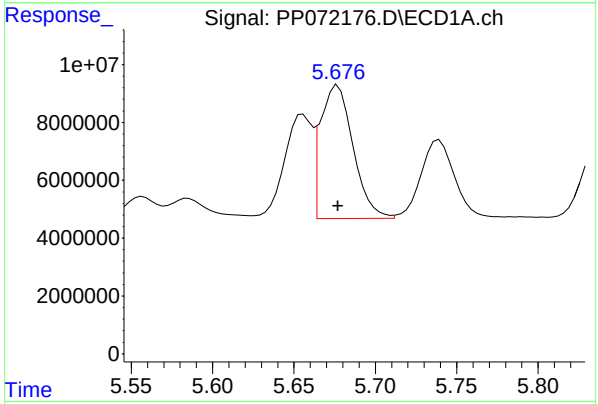
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 42992304
Conc: 734.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



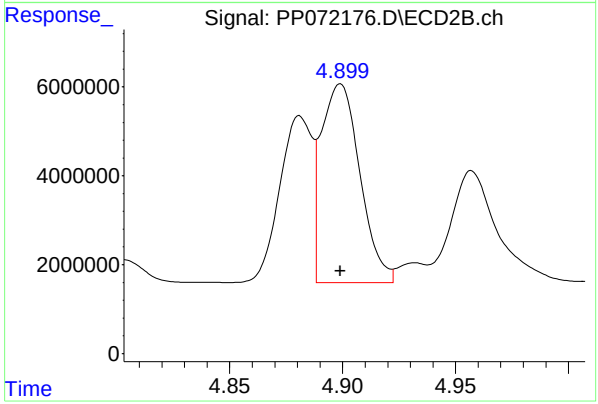
#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 37426857
Conc: 754.22 ng/ml



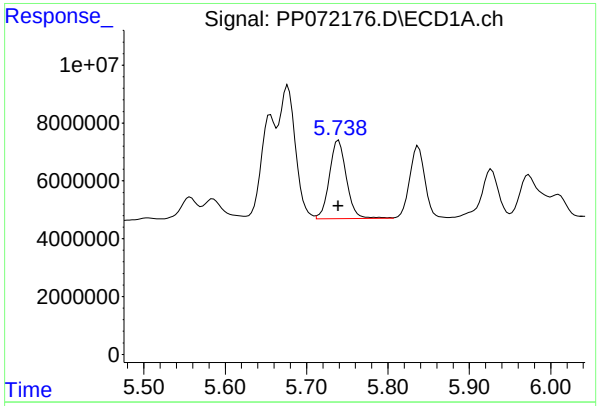
#17 AR-1242-2

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 64478622
Conc: 741.62 ng/ml



#17 AR-1242-2

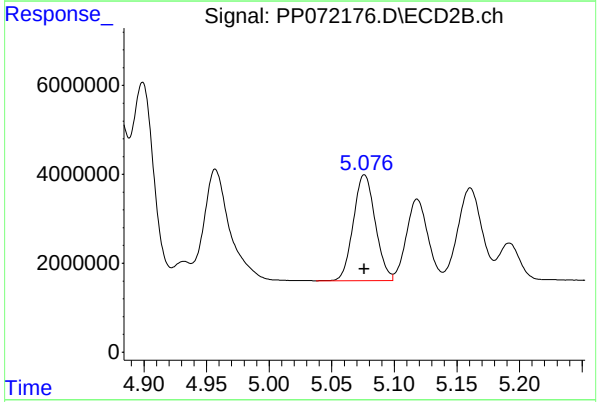
R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 53279521
Conc: 752.13 ng/ml



#18 AR-1242-3

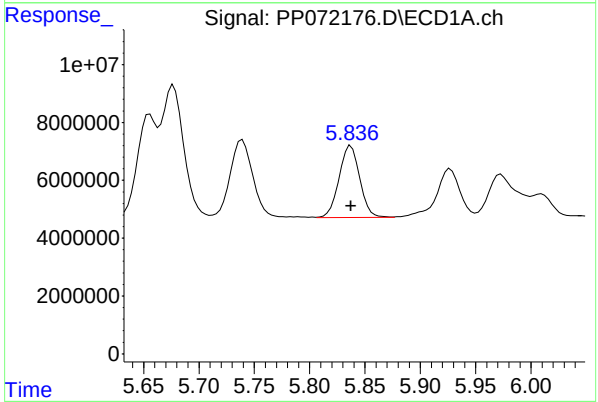
R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 39091479
Conc: 736.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



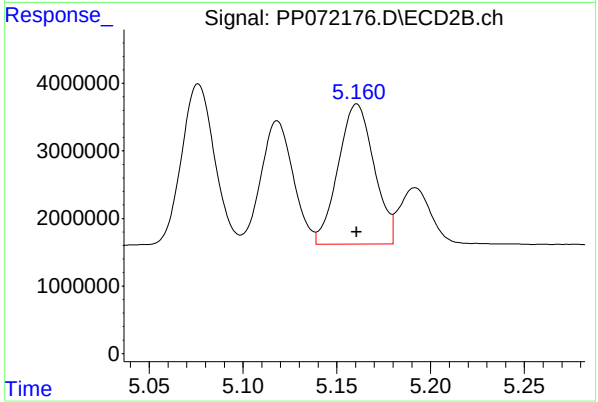
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 29082900
Conc: 763.76 ng/ml



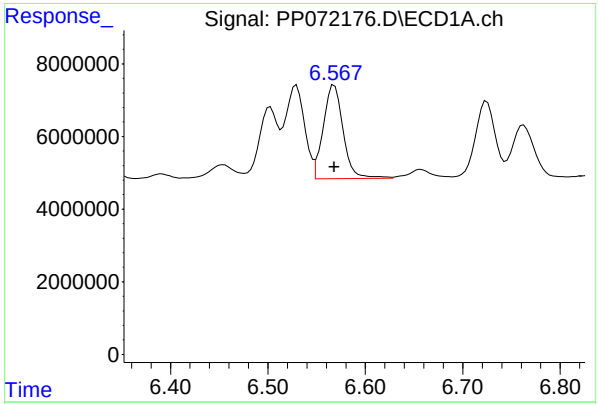
#19 AR-1242-4

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 32272993
Conc: 743.69 ng/ml



#19 AR-1242-4

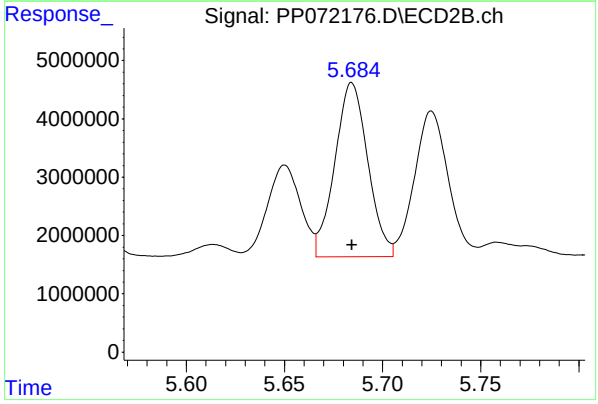
R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 27640589
Conc: 769.03 ng/ml



#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 36522171
Conc: 742.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 34960050
Conc: 764.74 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:39:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.505	3.798	99563757	80047805	50.000	50.000
2)	SA Decachlor...	10.221	8.827	82298882	52308236	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.659	4.883	31041680	26421500	500.000	500.000
17)	L4 AR-1242-2	5.681	4.901	45941667	37735643	500.000	500.000
18)	L4 AR-1242-3	5.743	5.078	27748086	20532241	500.000	500.000
19)	L4 AR-1242-4	5.841	5.162	22974288	19413228	500.000	500.000
20)	L4 AR-1242-5	6.572	5.685	25439777	24377285	500.000	500.000

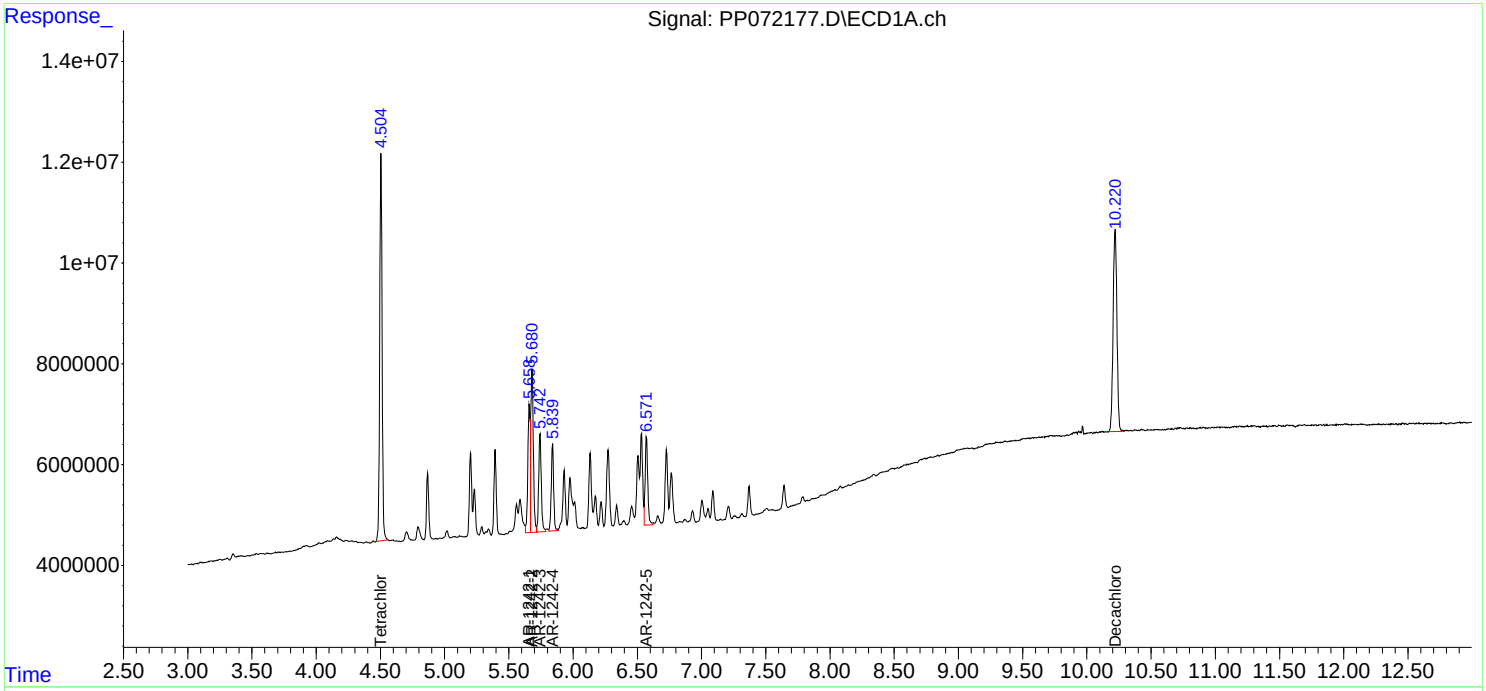
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

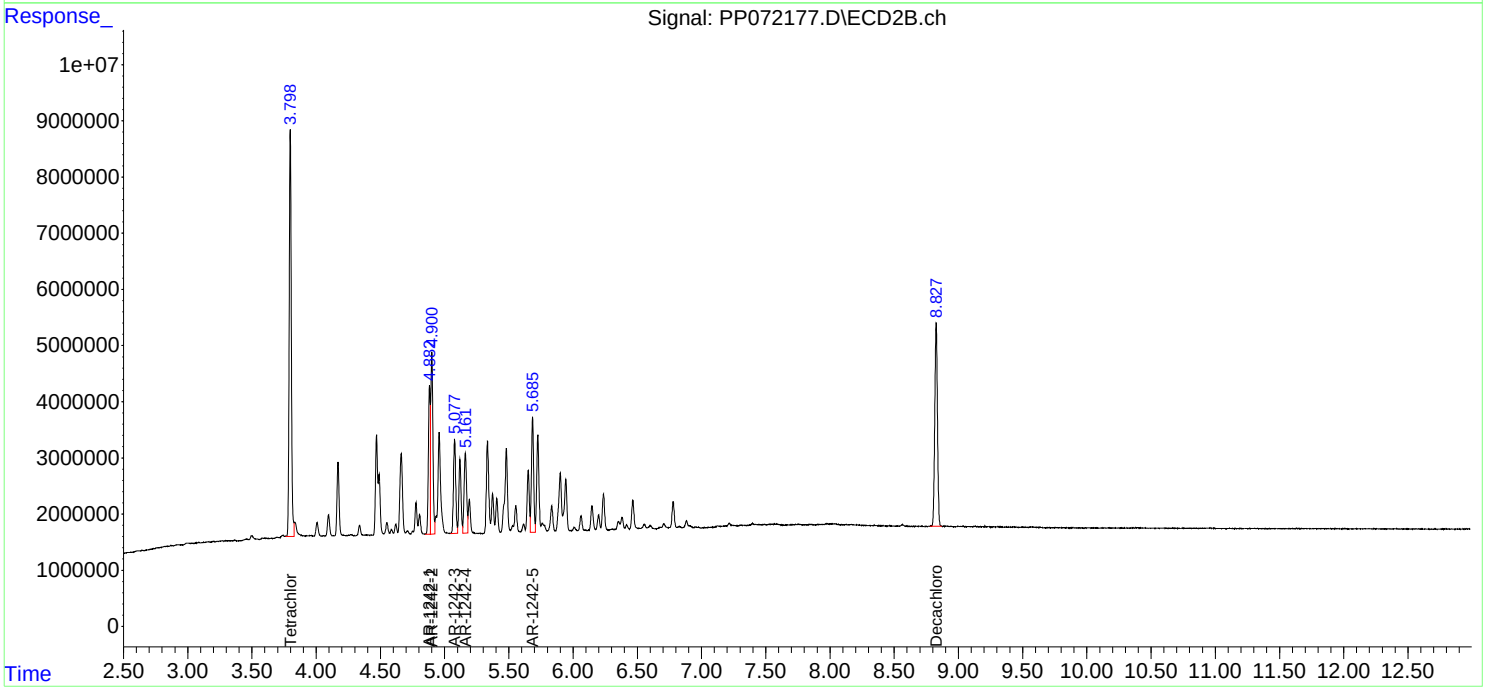
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

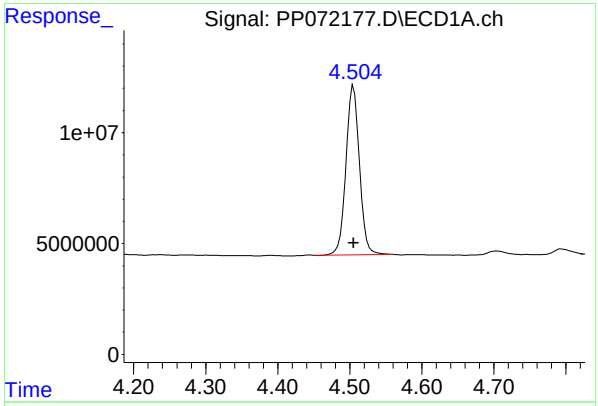
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:39:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



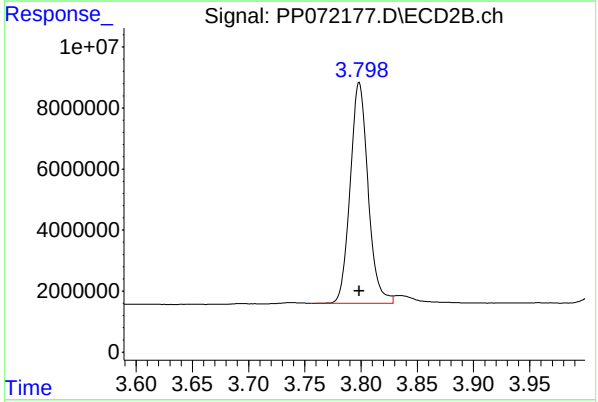




#1 Tetrachloro-m-xylene

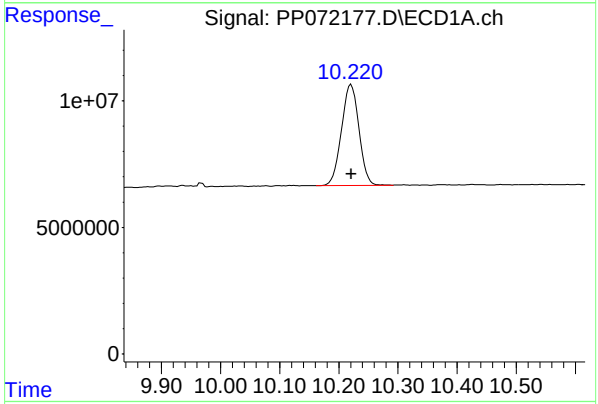
R.T.: 4.505 min
Delta R.T.: 0.000 min
Response: 99563757
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



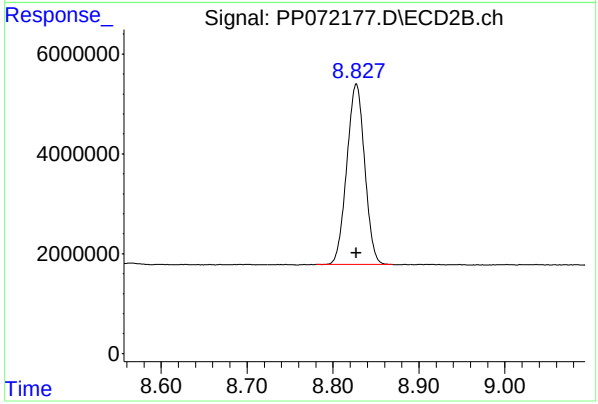
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 80047805
Conc: 50.00 ng/ml



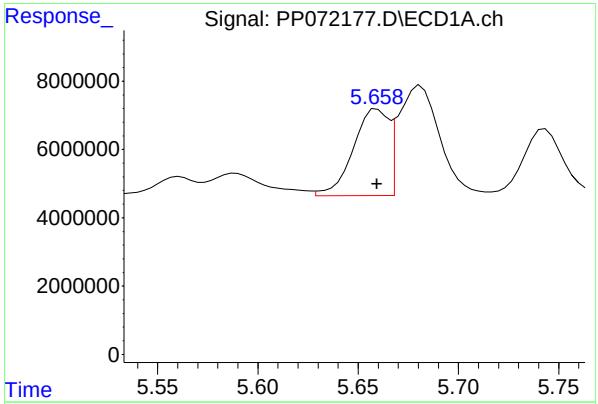
#2 Decachlorobiphenyl

R.T.: 10.221 min
Delta R.T.: 0.000 min
Response: 82298882
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

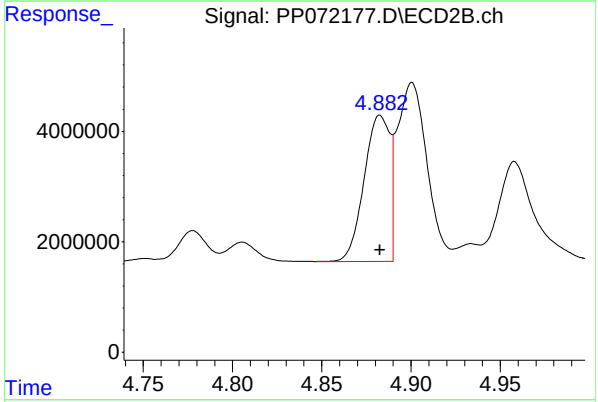
R.T.: 8.827 min
Delta R.T.: 0.000 min
Response: 52308236
Conc: 50.00 ng/ml



#16 AR-1242-1

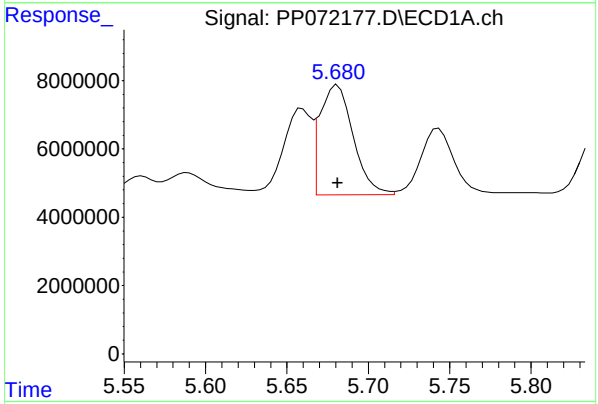
R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 31041680
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



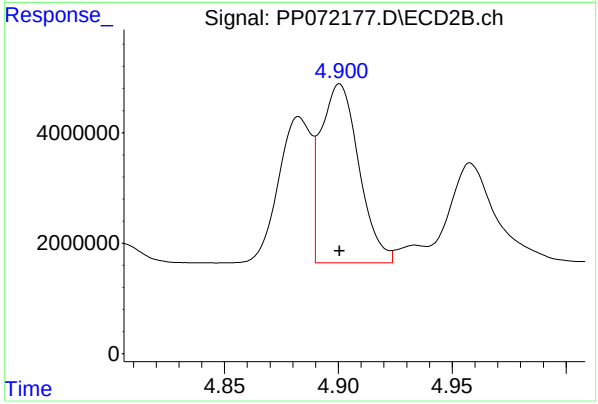
#16 AR-1242-1

R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 26421500
Conc: 500.00 ng/ml



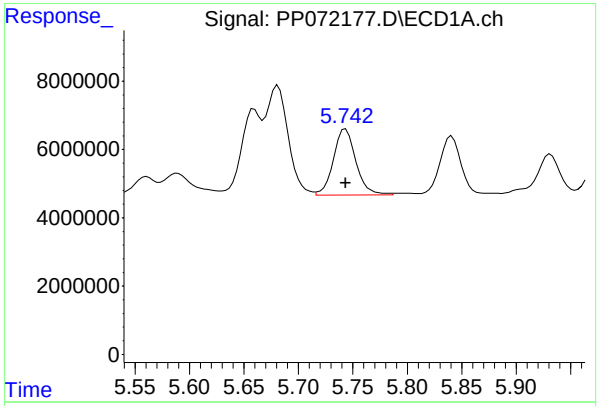
#17 AR-1242-2

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 45941667
Conc: 500.00 ng/ml



#17 AR-1242-2

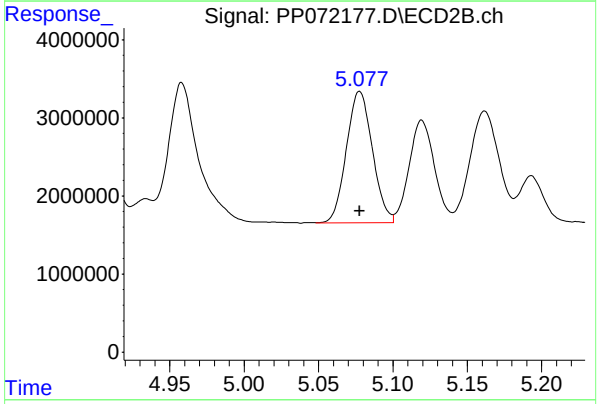
R.T.: 4.901 min
Delta R.T.: 0.000 min
Response: 37735643
Conc: 500.00 ng/ml



#18 AR-1242-3

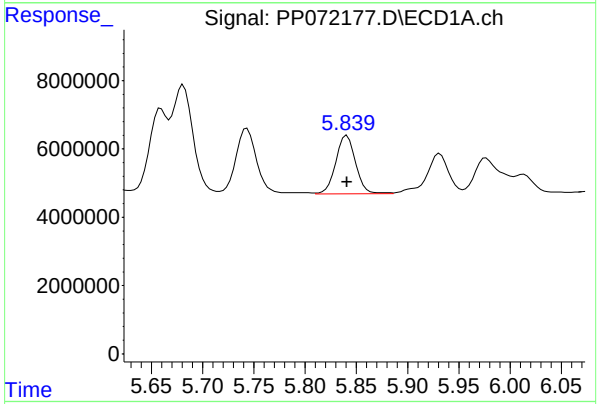
R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 27748086
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



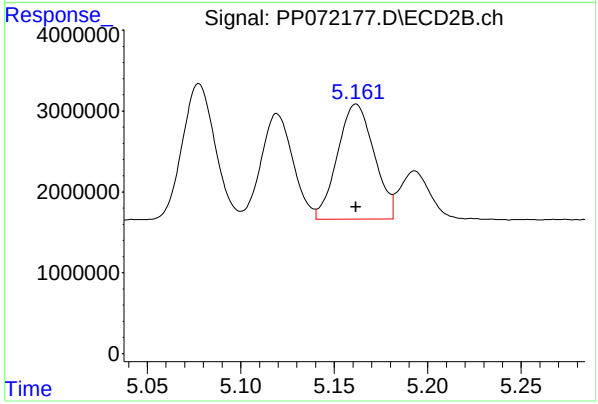
#18 AR-1242-3

R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 20532241
Conc: 500.00 ng/ml



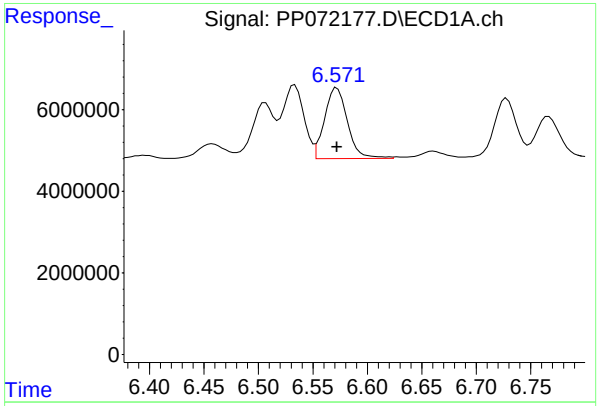
#19 AR-1242-4

R.T.: 5.841 min
Delta R.T.: 0.000 min
Response: 22974288
Conc: 500.00 ng/ml



#19 AR-1242-4

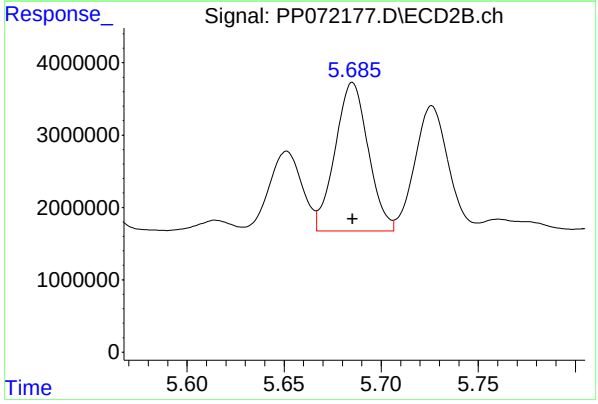
R.T.: 5.162 min
Delta R.T.: 0.000 min
Response: 19413228
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 25439777
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 24377285
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.797	52867260	40596927	26.895	25.212
2)	SA Decachlor...	10.214	8.825	43224831	29078092	26.730	27.360
	Target Compounds						
16)	L4 AR-1242-1	5.654	4.881	16460967	14309390	272.688	277.708
17)	L4 AR-1242-2	5.675	4.899	24396194	20235141	272.269	275.819
18)	L4 AR-1242-3	5.738	5.076	14270237	11178619	263.948	281.311
19)	L4 AR-1242-4	5.836	5.161	11695459	10798164	264.351	286.007
20)	L4 AR-1242-5	6.566	5.684	13108900	13556747	262.192	283.361

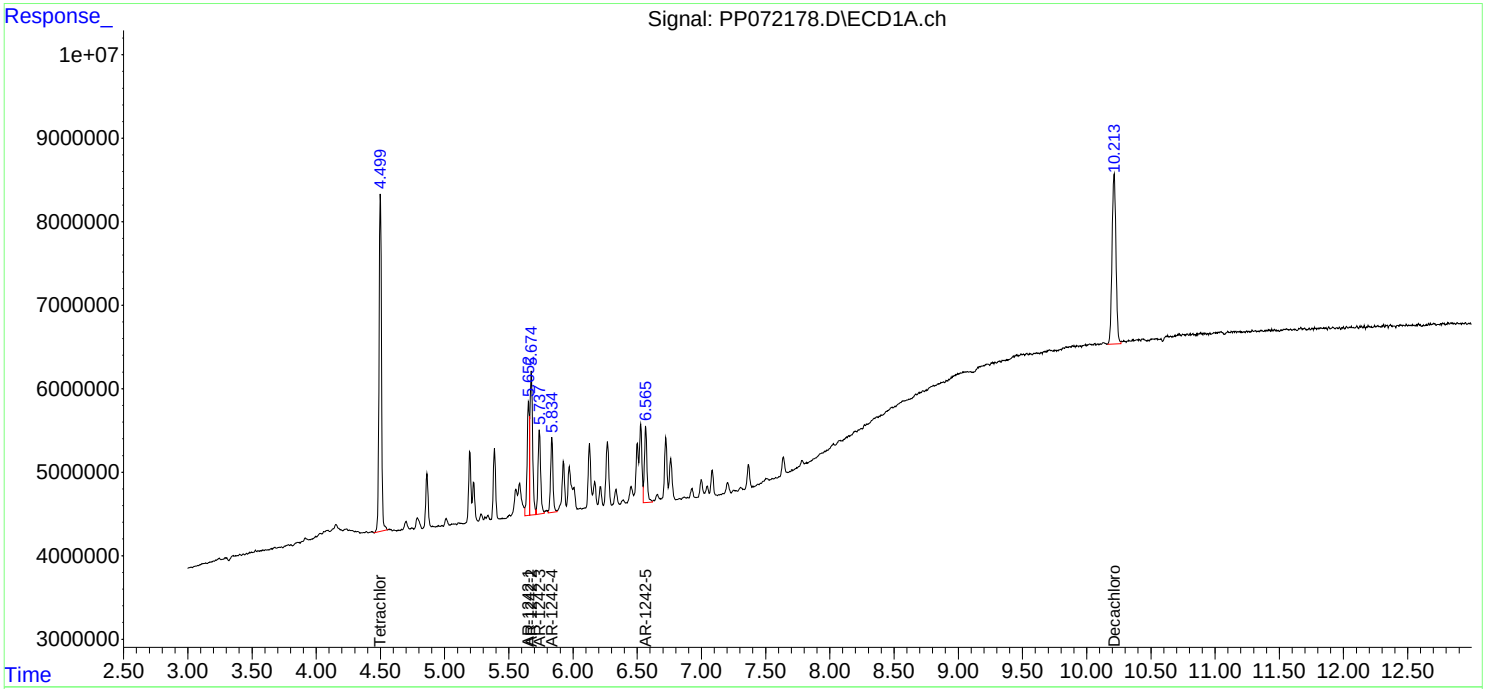
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

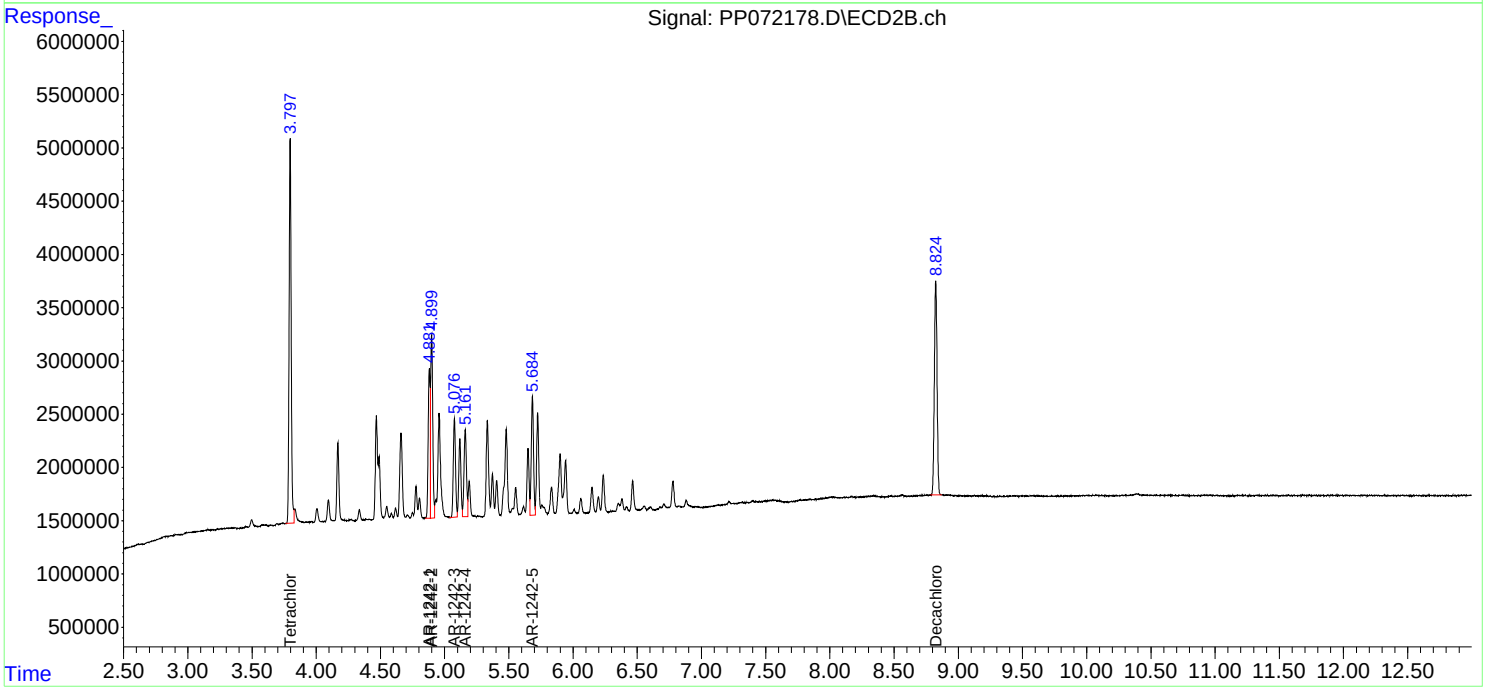
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

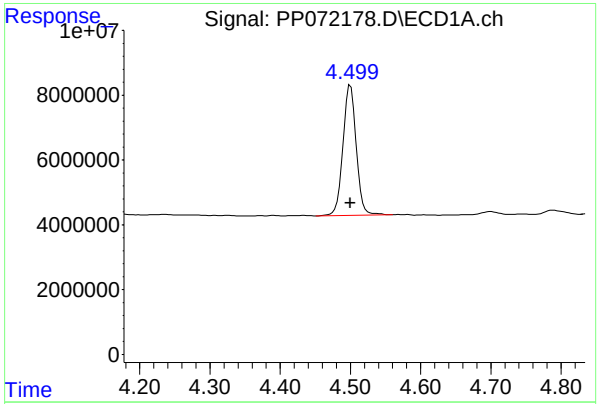
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



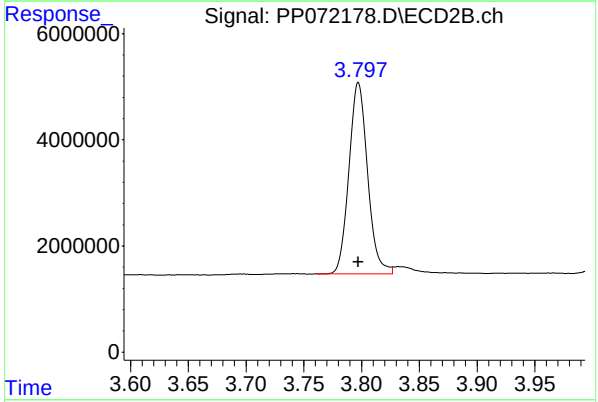




#1 Tetrachloro-m-xylene

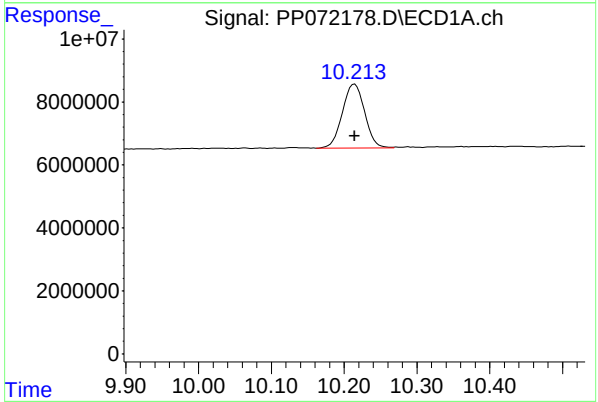
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 52867260
Conc: 26.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



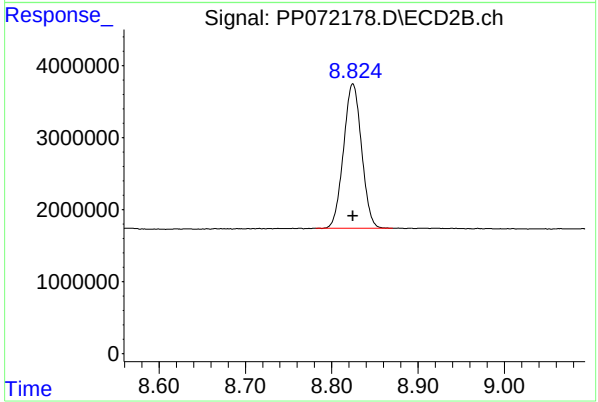
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 40596927
Conc: 25.21 ng/ml



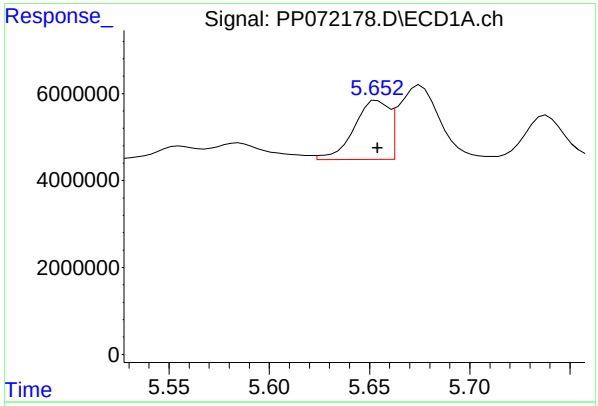
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 43224831
Conc: 26.73 ng/ml



#2 Decachlorobiphenyl

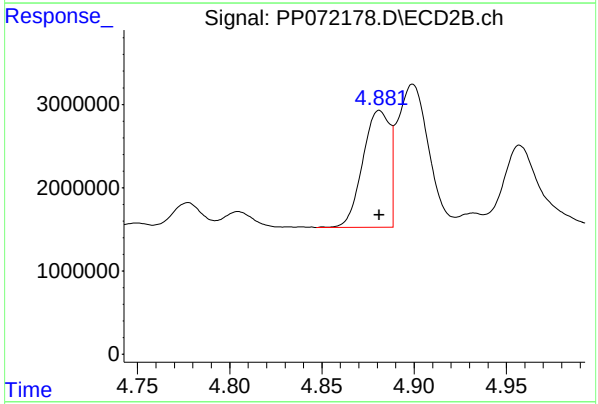
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 29078092
Conc: 27.36 ng/ml



#16 AR-1242-1

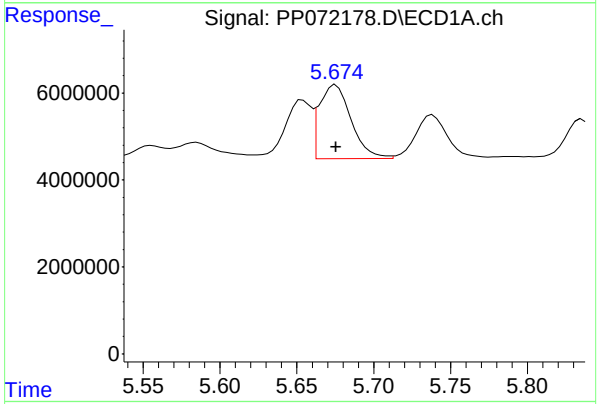
R.T.: 5.654 min
Delta R.T.: 0.000 min
Response: 16460967
Conc: 272.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



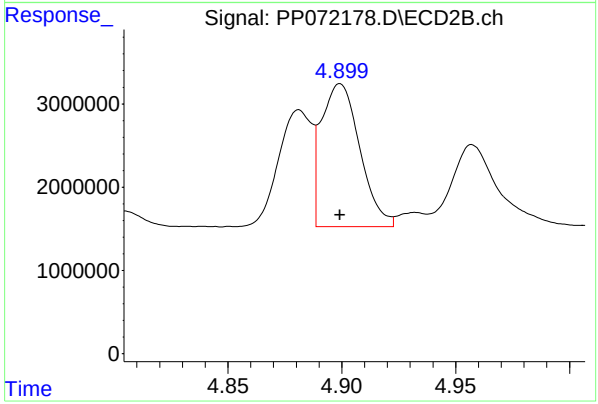
#16 AR-1242-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 14309390
Conc: 277.71 ng/ml



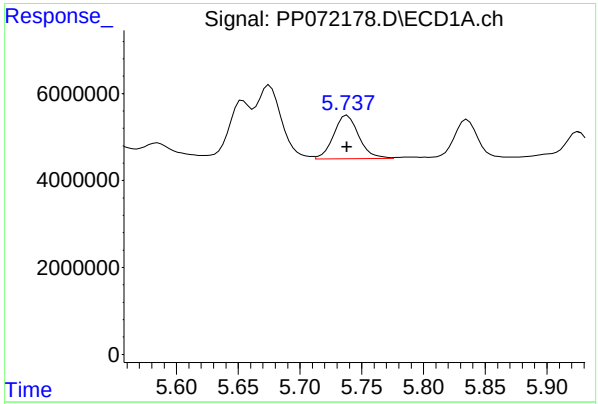
#17 AR-1242-2

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 24396194
Conc: 272.27 ng/ml



#17 AR-1242-2

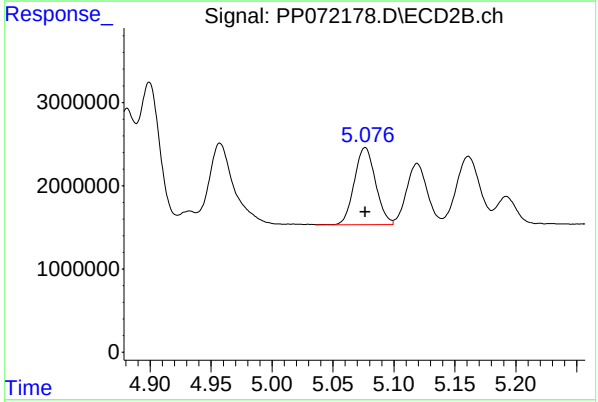
R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 20235141
Conc: 275.82 ng/ml



#18 AR-1242-3

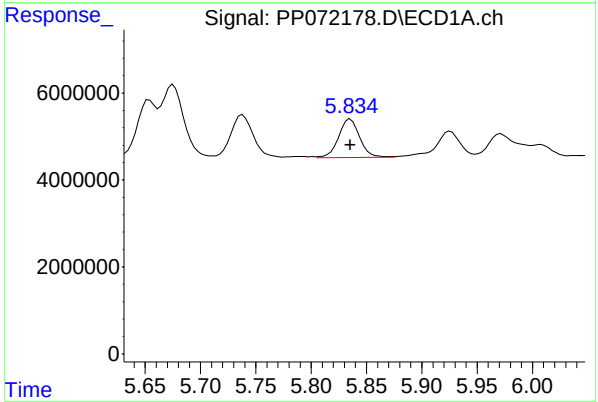
R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 14270237
Conc: 263.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



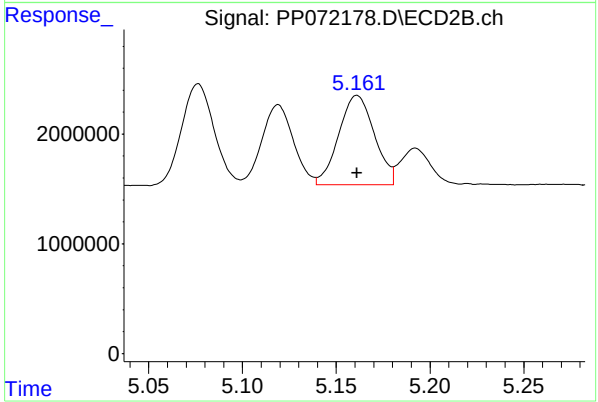
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 11178619
Conc: 281.31 ng/ml



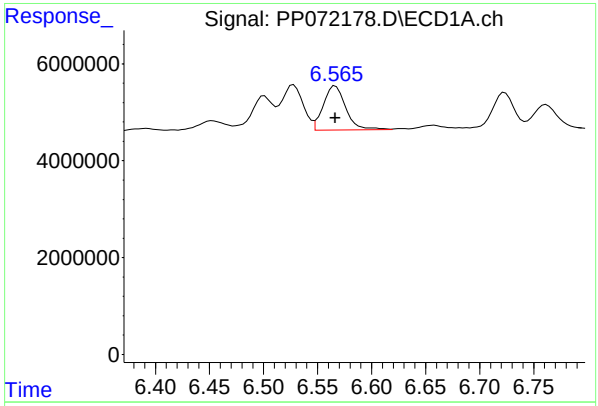
#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 11695459
Conc: 264.35 ng/ml



#19 AR-1242-4

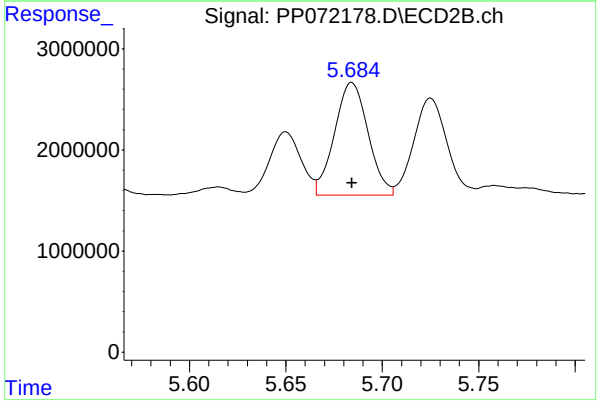
R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 10798164
Conc: 286.01 ng/ml



#20 AR-1242-5

R.T.: 6.566 min
Delta R.T.: 0.000 min
Response: 13108900
Conc: 262.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 13556747
Conc: 283.36 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.797	8565148	6886728	4.472	4.404
2)	SA Decachlor...	10.216	8.824	7437092	5391472	4.674	5.058
	Target Compounds						
16)	L4 AR-1242-1	5.654	4.882	3576242	2721766	56.040m	52.233
17)	L4 AR-1242-2	5.677	4.900	3774327	3701307	42.861m	50.361
18)	L4 AR-1242-3	5.740	5.076	2953563	1833864	53.891m	46.871
19)	L4 AR-1242-4	5.836	5.161	2238823	1844717	51.018m	49.084
20)	L4 AR-1242-5	6.568	5.683	2746740	2495867	53.225m	52.475m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

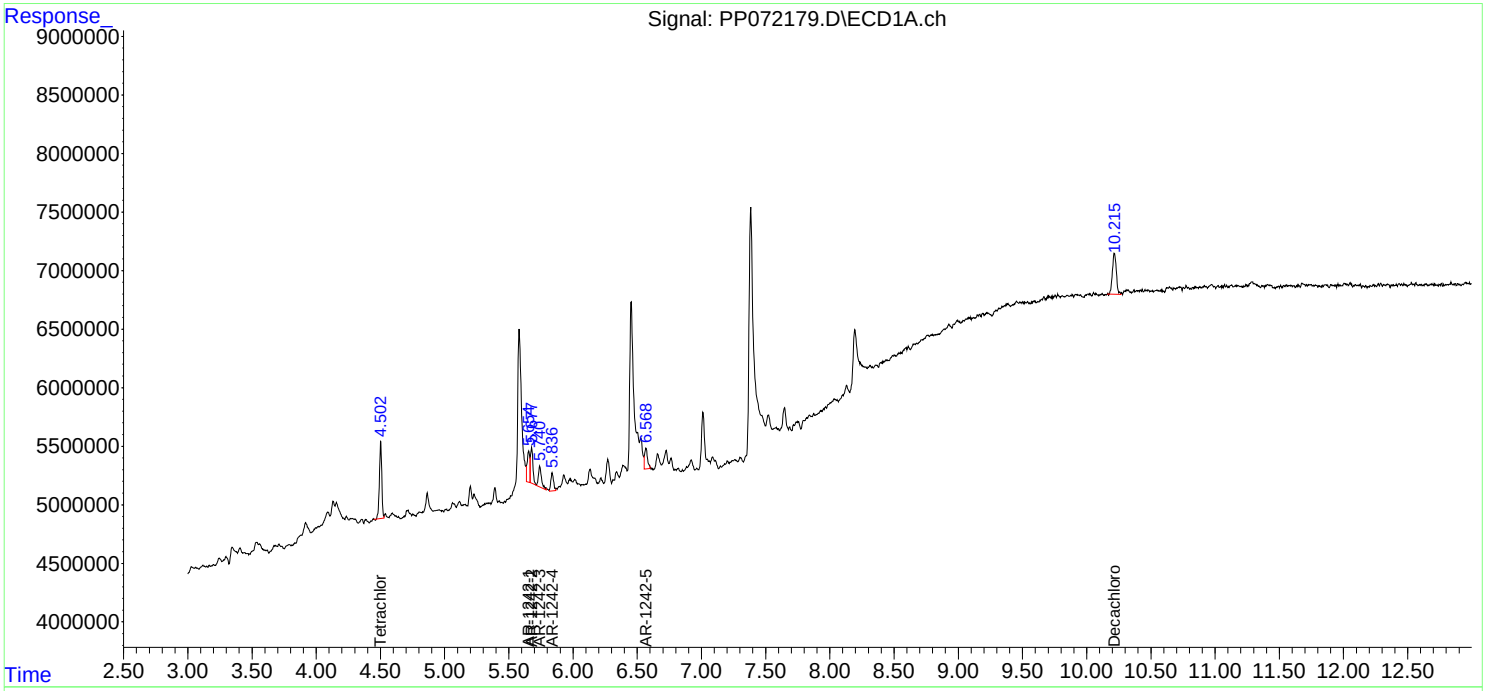
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

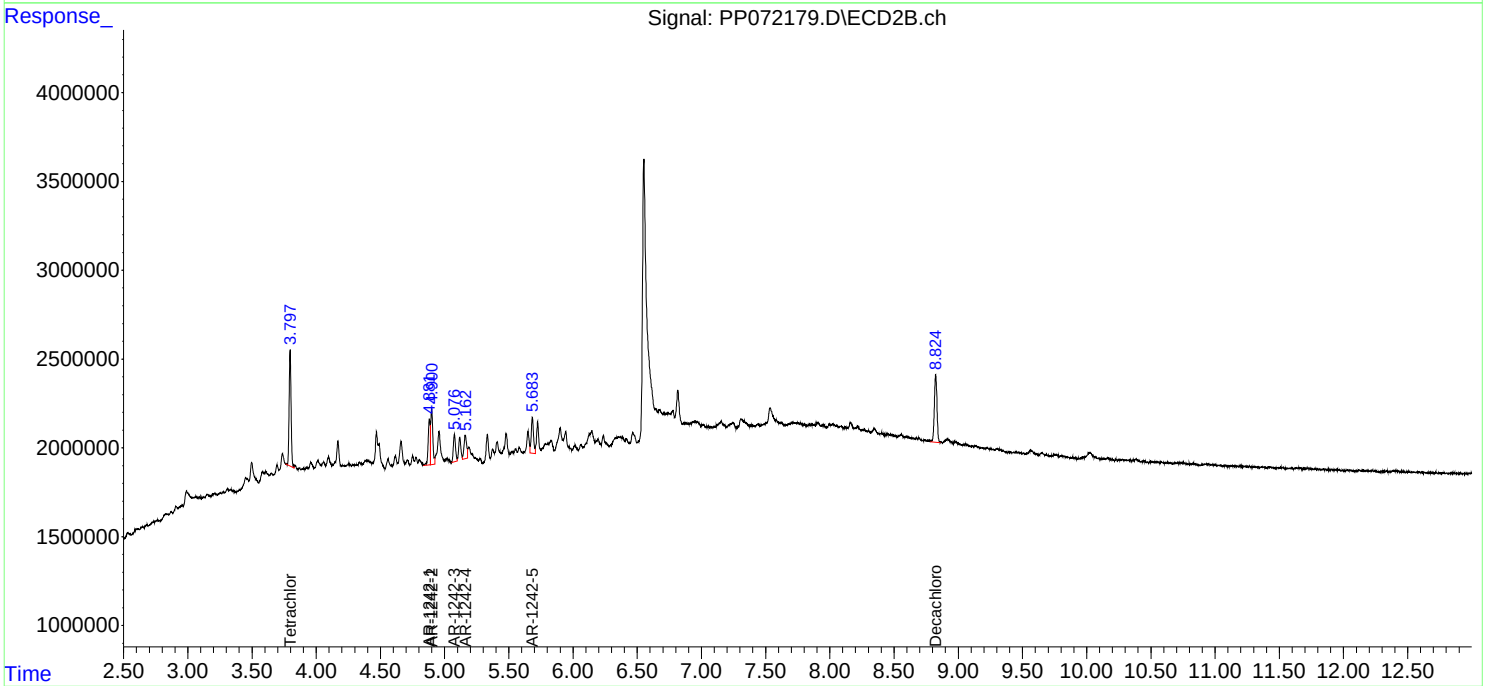
Manual Integrations APPROVED

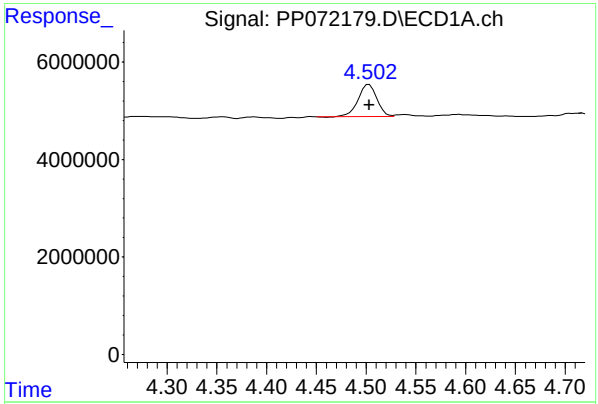
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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







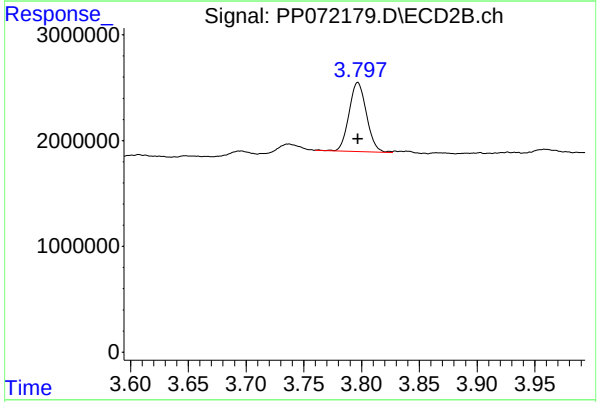
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 8565148
Conc: 4.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

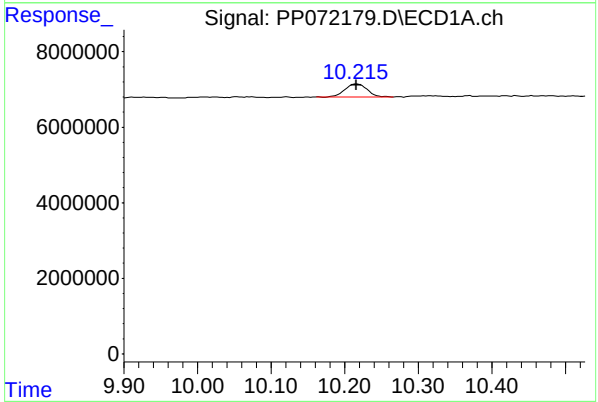
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



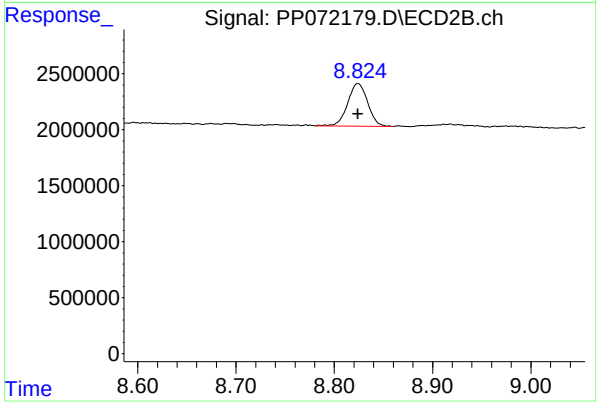
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 6886728
Conc: 4.40 ng/ml



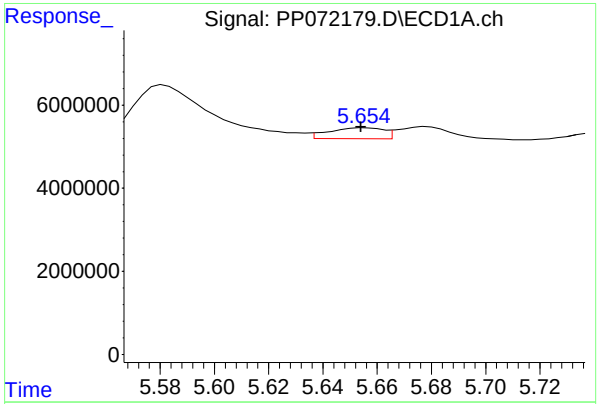
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.000 min
Response: 7437092
Conc: 4.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5391472
Conc: 5.06 ng/ml



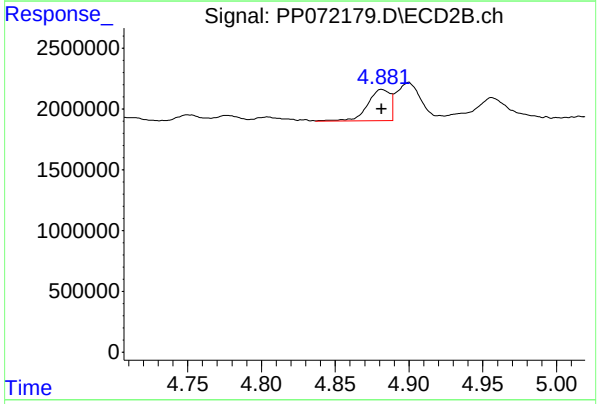
#16 AR-1242-1

R.T.: 5.654 min
Delta R.T.: 0.000 mi
Response: 3576242
Conc: 56.04 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

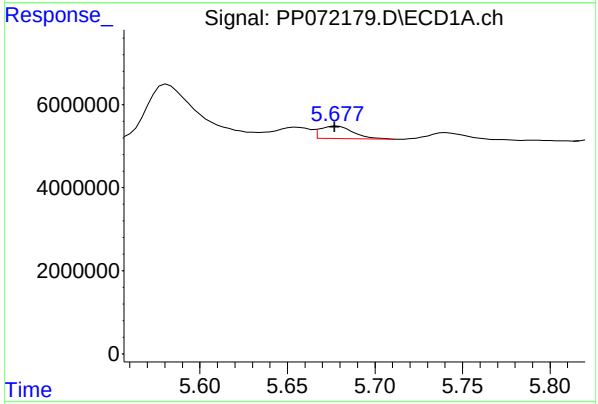
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



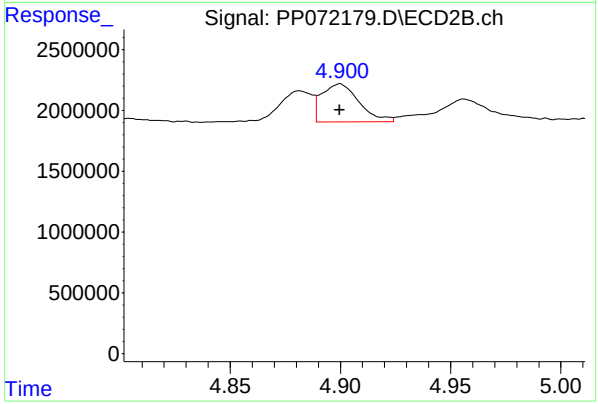
#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 2721766
Conc: 52.23 ng/ml



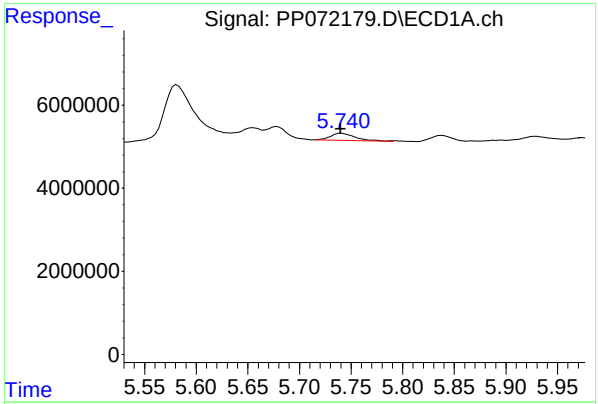
#17 AR-1242-2

R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 3774327
Conc: 42.86 ng/ml m



#17 AR-1242-2

R.T.: 4.900 min
Delta R.T.: 0.000 min
Response: 3701307
Conc: 50.36 ng/ml



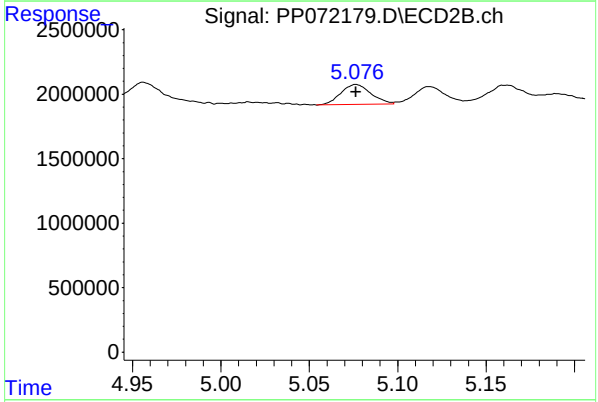
#18 AR-1242-3

R.T.: 5.740 min
Delta R.T.: 0.000 mi
Response: 2953563
Conc: 53.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

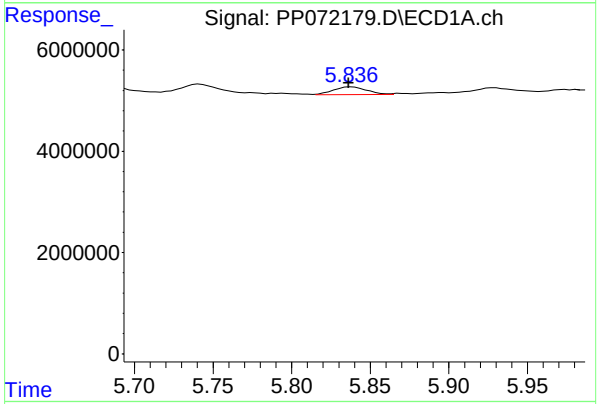
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



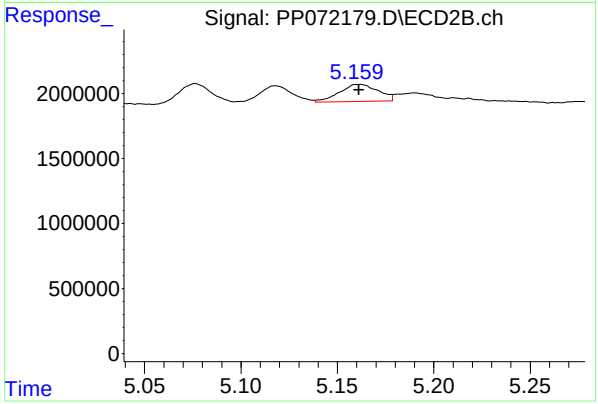
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 1833864
Conc: 46.87 ng/ml



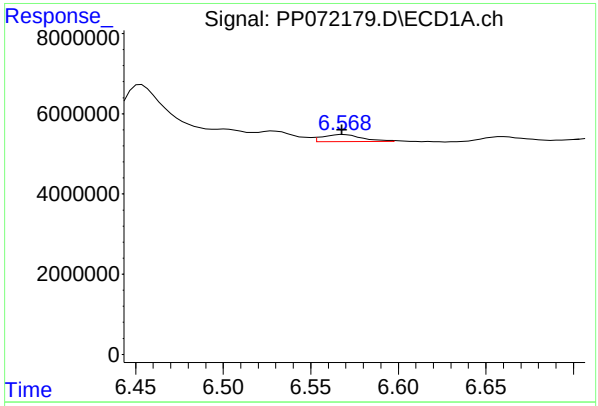
#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: 0.000 min
Response: 2238823
Conc: 51.02 ng/ml m



#19 AR-1242-4

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1844717
Conc: 49.08 ng/ml



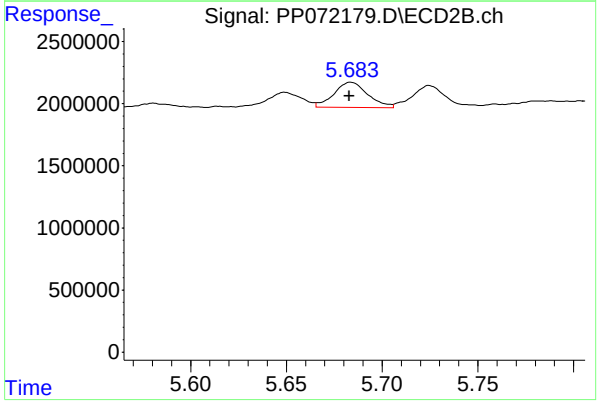
#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: 0.000 mi
Response: 2746740
Conc: 53.22 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#20 AR-1242-5

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 2495867
Conc: 52.48 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:04
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.506	3.798	188.0E6	158.5E6	97.146	96.913
2)	SA Decachlor...	10.219	8.825	157.3E6	107.8E6	97.225	97.659
	Target Compounds						
21)	L5 AR-1248-1	5.659	4.881	44038397	38942472	957.866	950.706
22)	L5 AR-1248-2	5.931	5.118	56984732	50685144	964.616	951.833
23)	L5 AR-1248-3	6.134	5.161	64677132	53612101	969.345	958.095
24)	L5 AR-1248-4	6.533	5.333	81606824	63542852	959.973	960.283
25)	L5 AR-1248-5	6.572	5.725	77587697	63751699	965.027	958.723

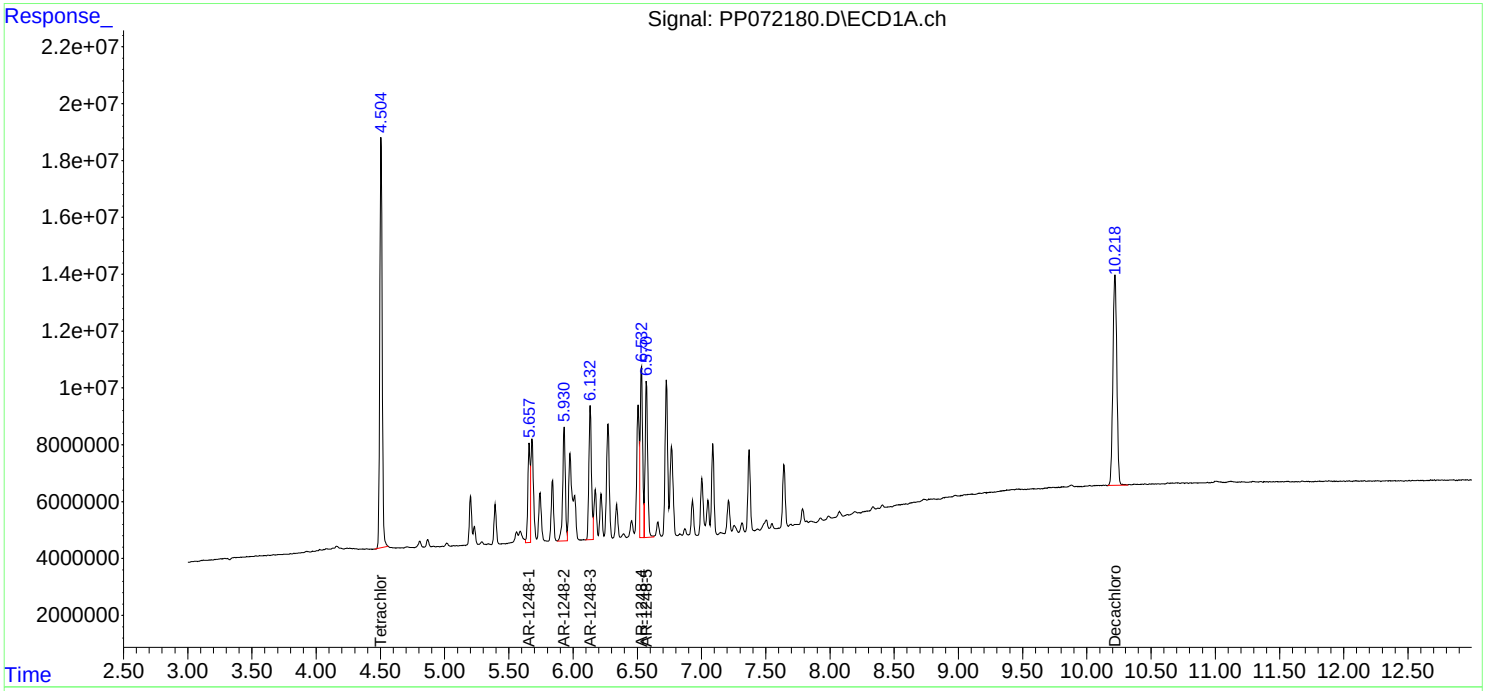
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

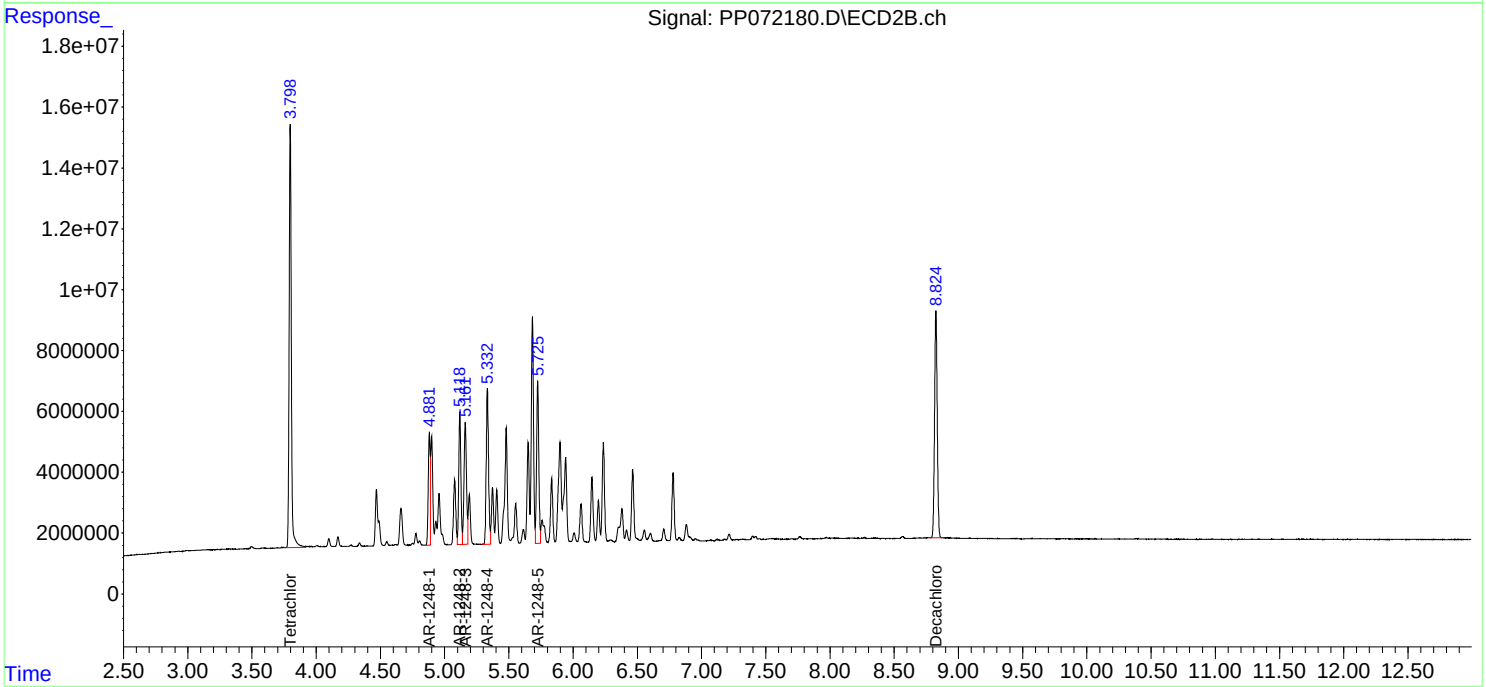
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:04
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

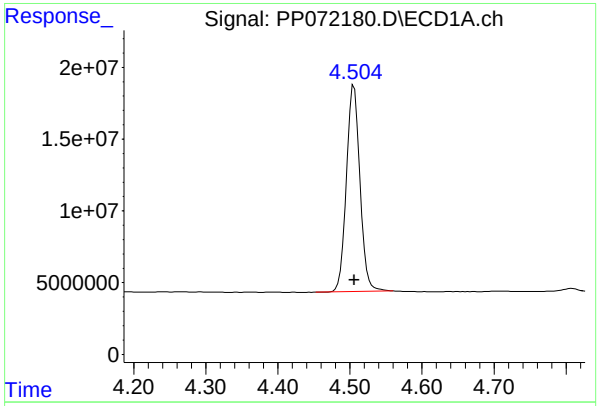
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



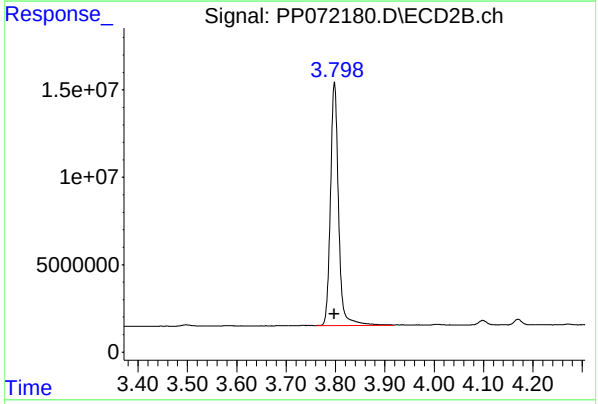




#1 Tetrachloro-m-xylene

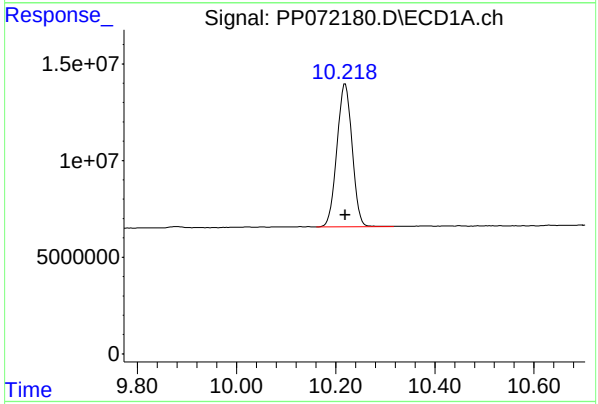
R.T.: 4.506 min
Delta R.T.: 0.000 min
Response: 188024037
Conc: 97.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



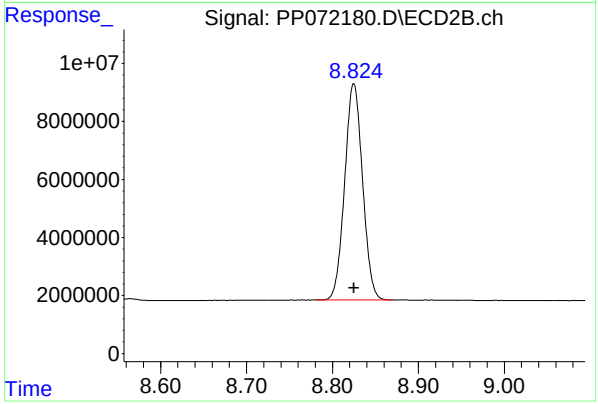
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 158537029
Conc: 96.91 ng/ml



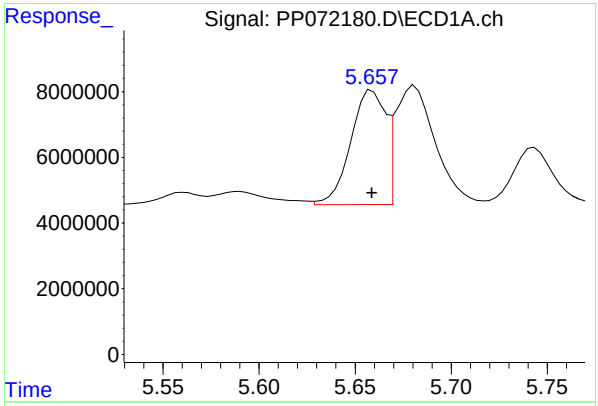
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 157336830
Conc: 97.22 ng/ml



#2 Decachlorobiphenyl

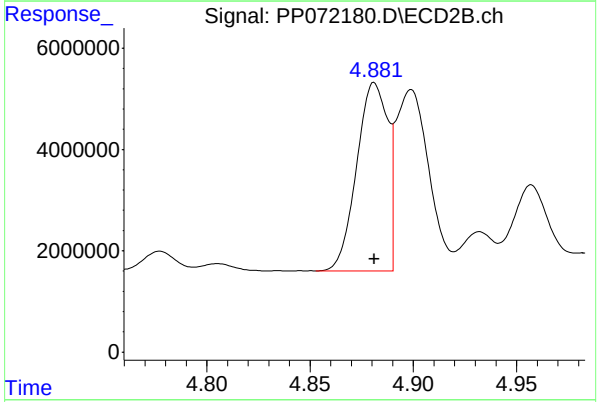
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 107793046
Conc: 97.66 ng/ml



#21 AR-1248-1

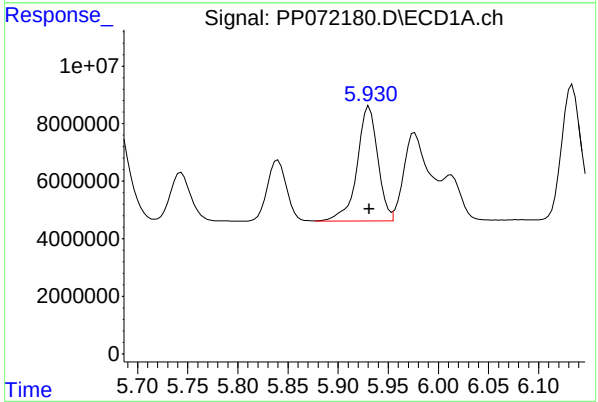
R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 44038397
Conc: 957.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



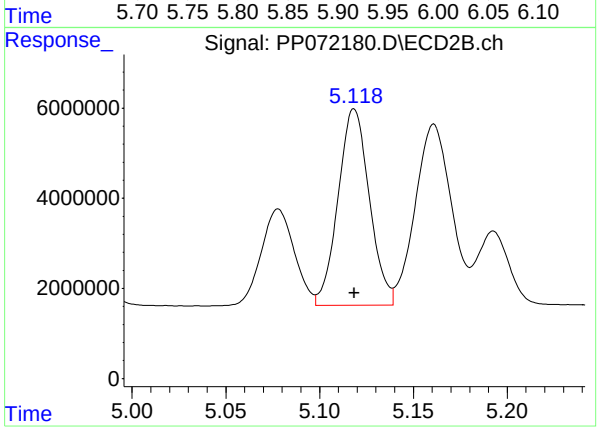
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 38942472
Conc: 950.71 ng/ml



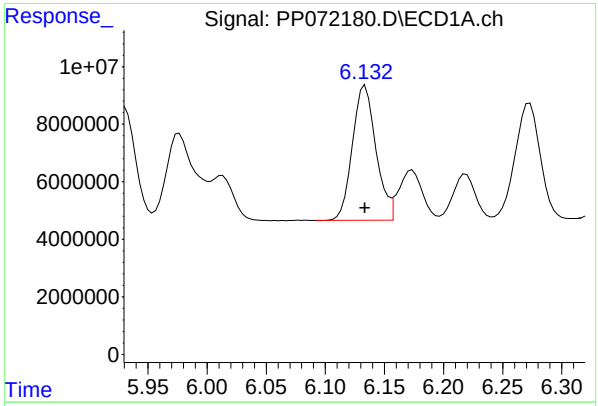
#22 AR-1248-2

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 56984732
Conc: 964.62 ng/ml



#22 AR-1248-2

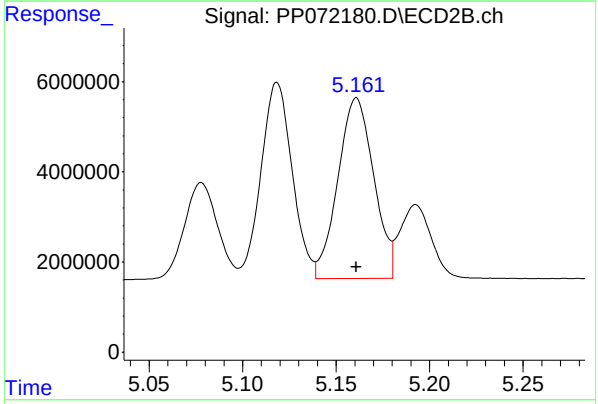
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 50685144
Conc: 951.83 ng/ml



#23 AR-1248-3

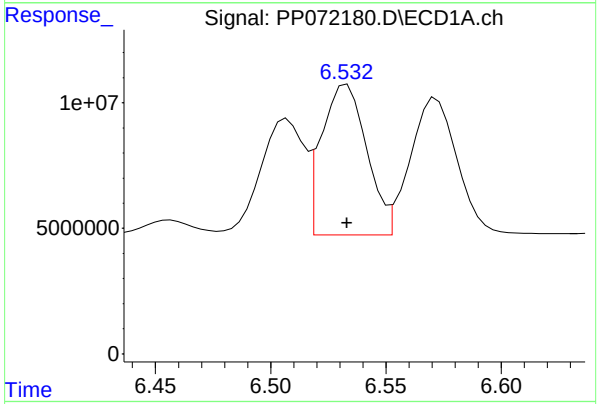
R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 64677132
Conc: 969.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



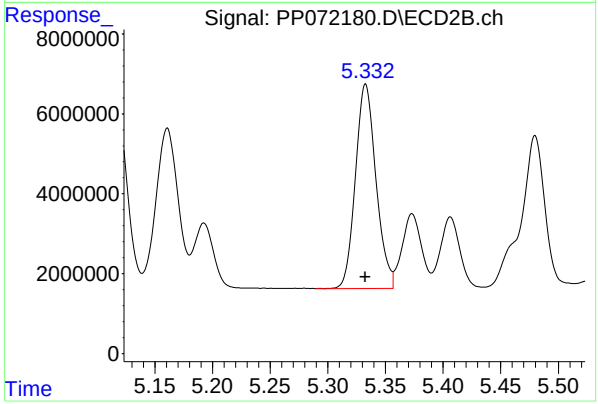
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 53612101
Conc: 958.09 ng/ml



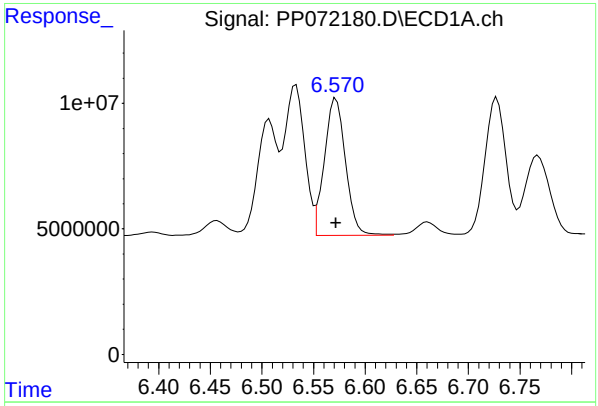
#24 AR-1248-4

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 81606824
Conc: 959.97 ng/ml



#24 AR-1248-4

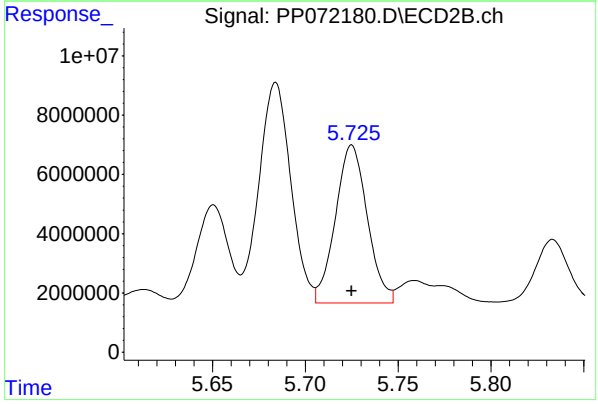
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 63542852
Conc: 960.28 ng/ml



#25 AR-1248-5

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 77587697
Conc: 965.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 63751699
Conc: 958.72 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:20
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.799	143.2E6	115.8E6	74.323	72.143
2)	SA Decachlor...	10.214	8.826	119.9E6	80014834	74.410	73.309
	Target Compounds						
21)	L5 AR-1248-1	5.655	4.882	35604324	28560624	766.105	713.991
22)	L5 AR-1248-2	5.927	5.119	44550644	37039968	752.752	712.825
23)	L5 AR-1248-3	6.130	5.161	49360311	38952854	743.159	713.200
24)	L5 AR-1248-4	6.529	5.333	63978321	45811338	751.733	710.534
25)	L5 AR-1248-5	6.568	5.726	60752796	46780519	753.748	718.348

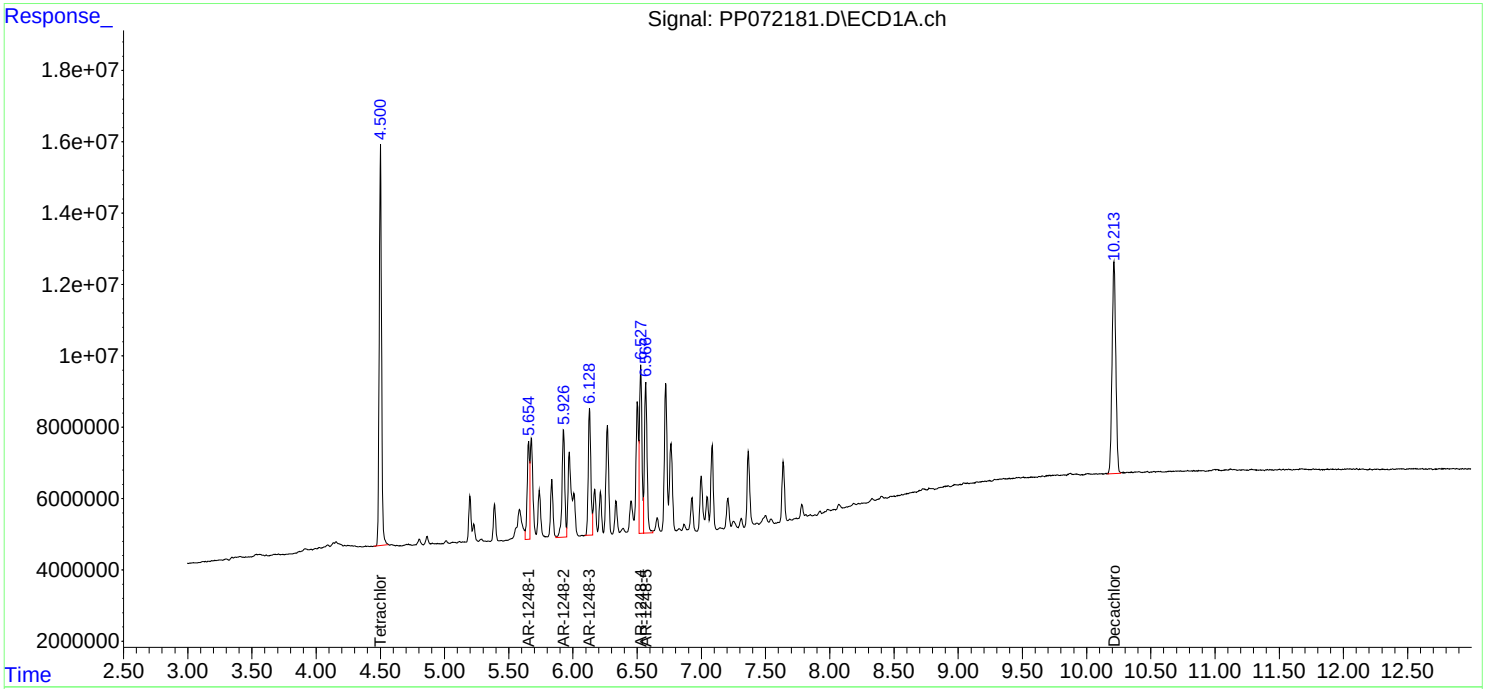
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

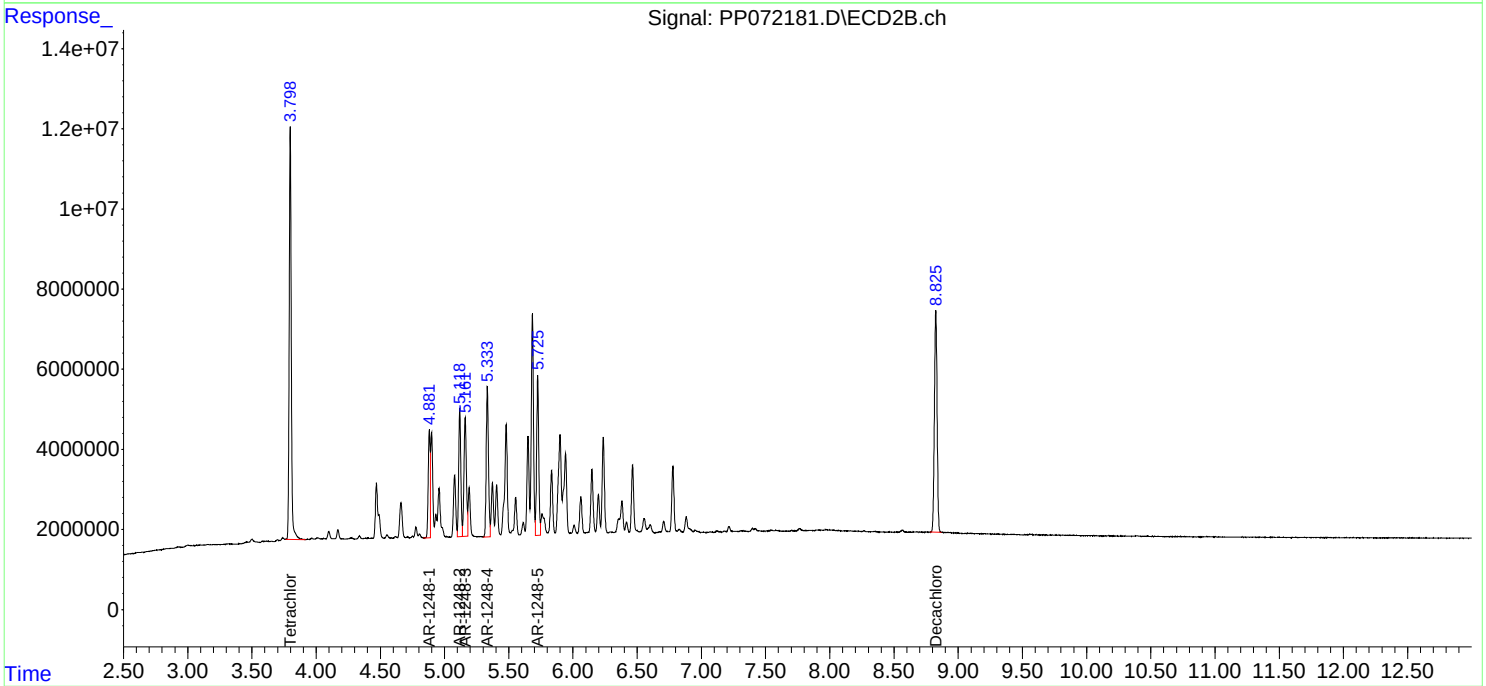
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:20
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

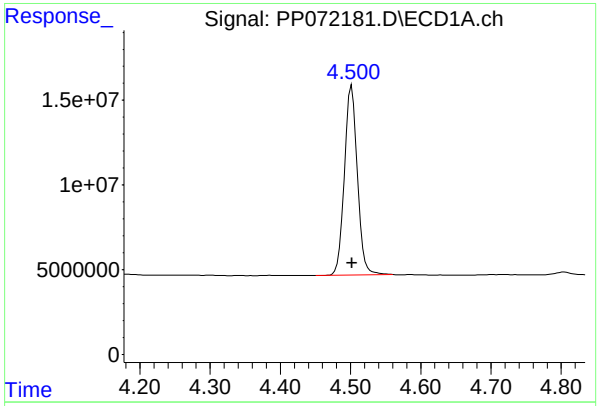
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



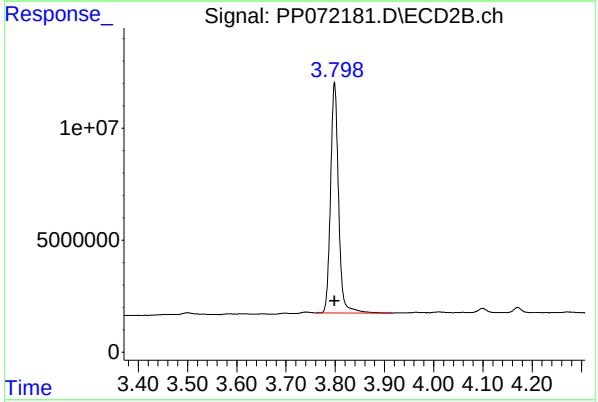




#1 Tetrachloro-m-xylene

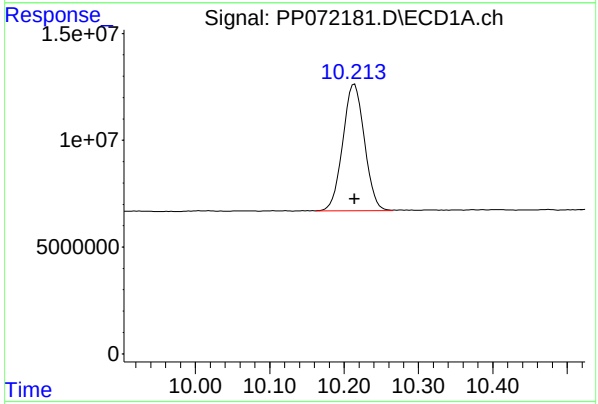
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 143203772
Conc: 74.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



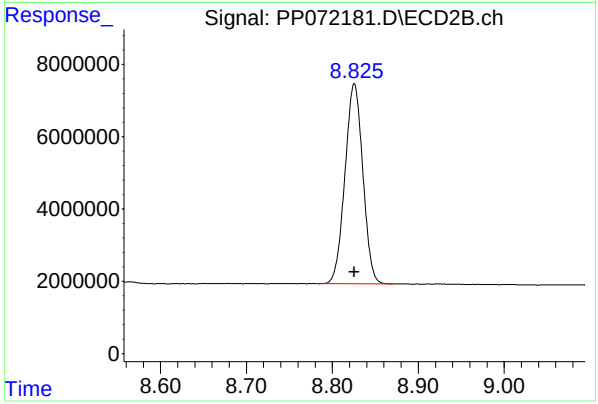
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 115811234
Conc: 72.14 ng/ml



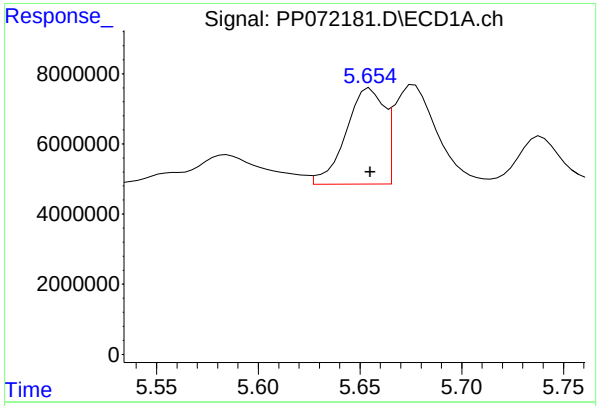
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 119945202
Conc: 74.41 ng/ml



#2 Decachlorobiphenyl

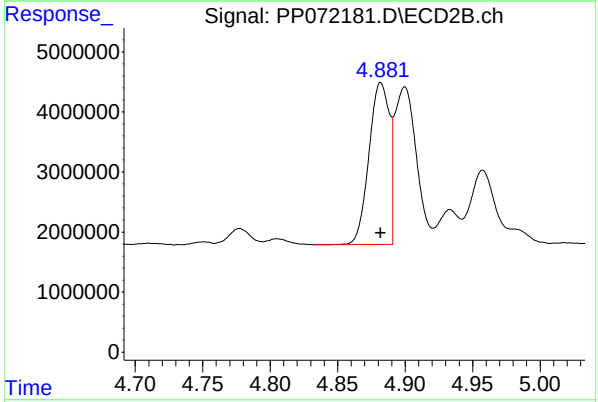
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 80014834
Conc: 73.31 ng/ml



#21 AR-1248-1

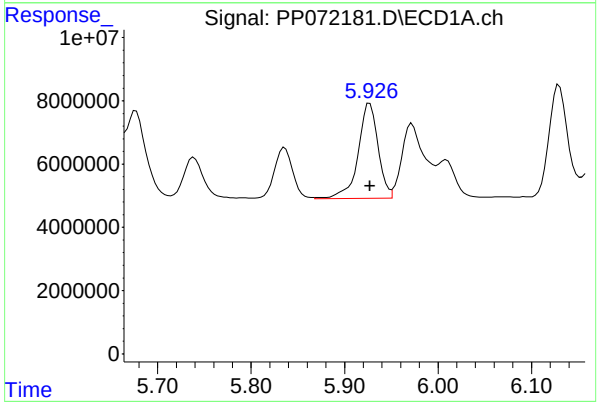
R.T.: 5.655 min
Delta R.T.: 0.000 min
Response: 35604324
Conc: 766.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



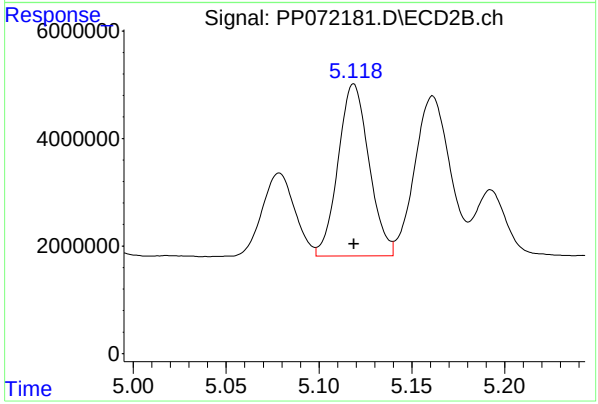
#21 AR-1248-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 28560624
Conc: 713.99 ng/ml



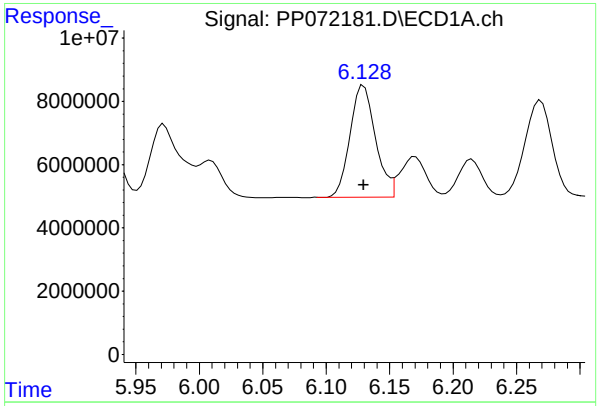
#22 AR-1248-2

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 44550644
Conc: 752.75 ng/ml



#22 AR-1248-2

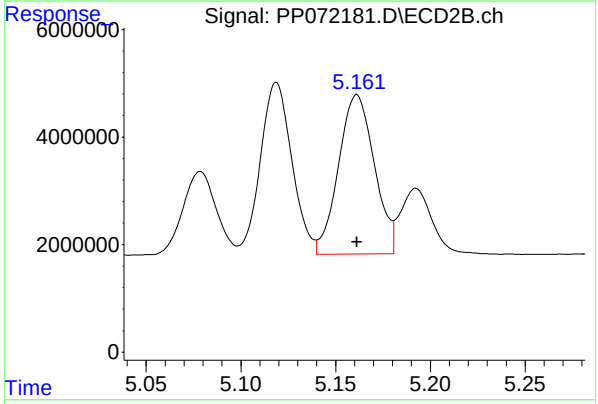
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 37039968
Conc: 712.82 ng/ml



#23 AR-1248-3

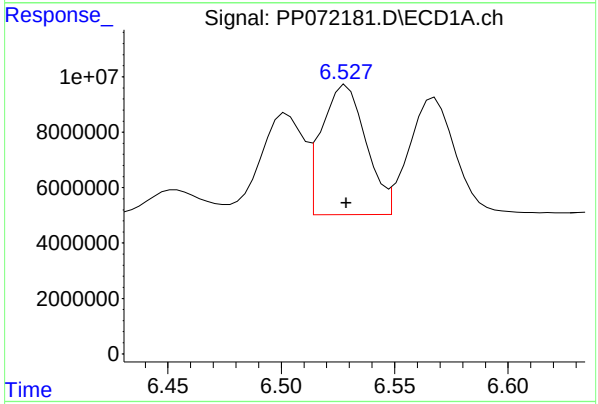
R.T.: 6.130 min
Delta R.T.: 0.000 min
Response: 49360311
Conc: 743.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



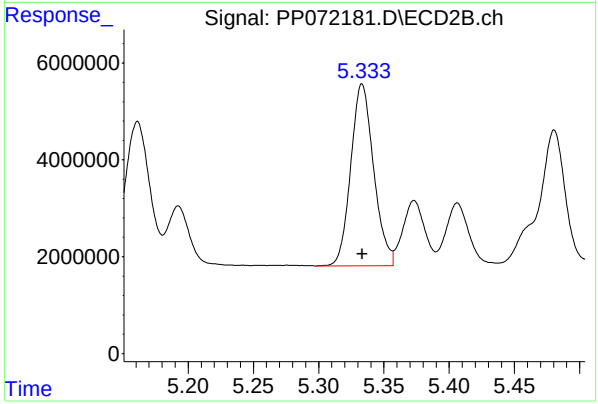
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 38952854
Conc: 713.20 ng/ml



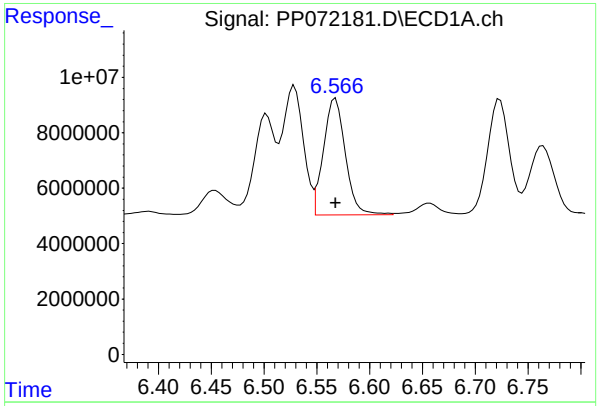
#24 AR-1248-4

R.T.: 6.529 min
Delta R.T.: 0.000 min
Response: 63978321
Conc: 751.73 ng/ml



#24 AR-1248-4

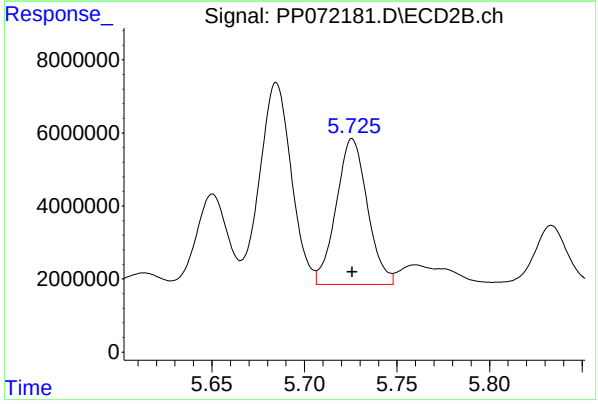
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 45811338
Conc: 710.53 ng/ml



#25 AR-1248-5

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 60752796
Conc: 753.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 46780519
Conc: 718.35 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:37
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:56:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.798	99535493	84317976	50.000	50.000
2)	SA Decachlor...	10.215	8.825	83159844	56480842	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.656	4.881	23956323	21490405	500.000	500.000
22)	L5 AR-1248-2	5.928	5.119	30582698	27907479	500.000	500.000
23)	L5 AR-1248-3	6.131	5.161	34383966	29150937	500.000	500.000
24)	L5 AR-1248-4	6.530	5.333	44206090	34399526	500.000	500.000
25)	L5 AR-1248-5	6.569	5.726	41605620	34620634	500.000	500.000

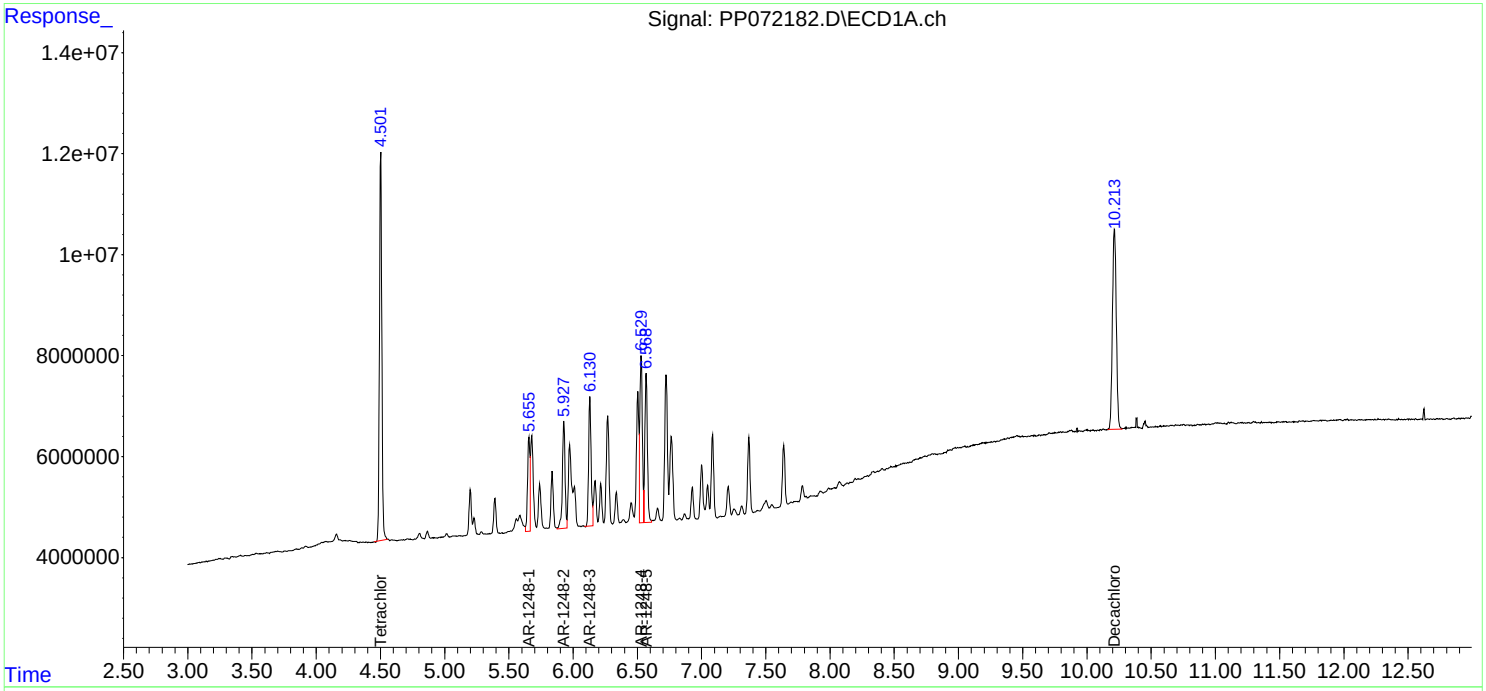
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

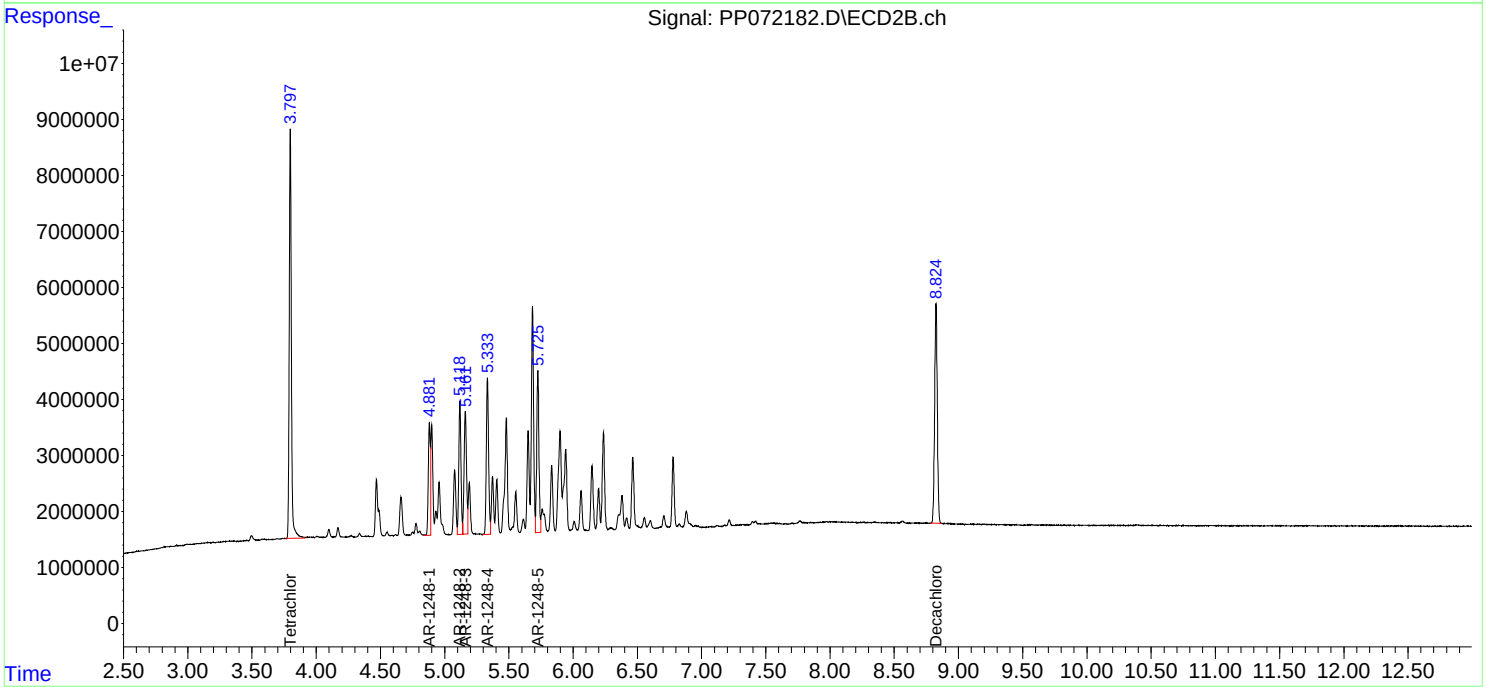
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:37
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

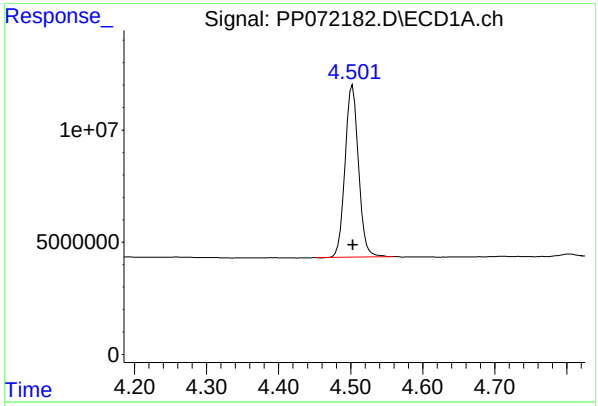
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:56:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



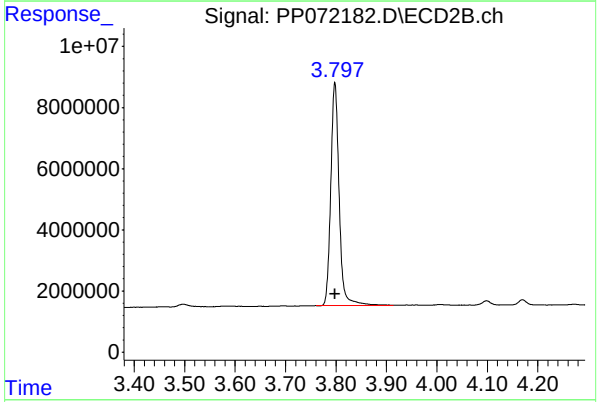




#1 Tetrachloro-m-xylene

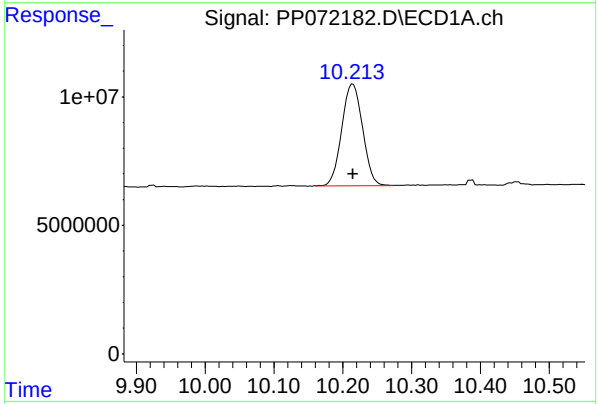
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 99535493
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



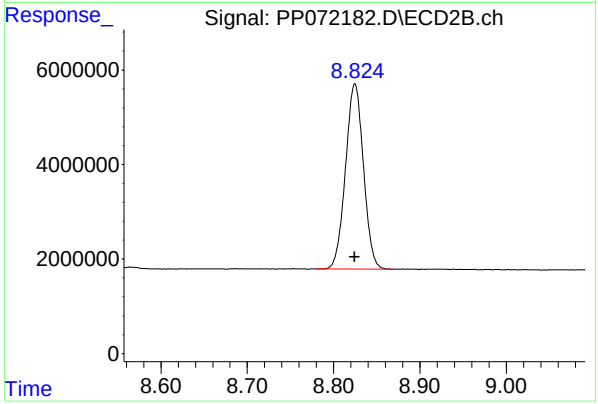
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 84317976
Conc: 50.00 ng/ml



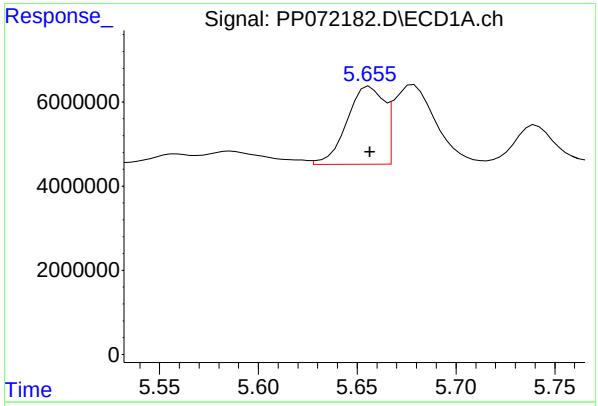
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 83159844
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

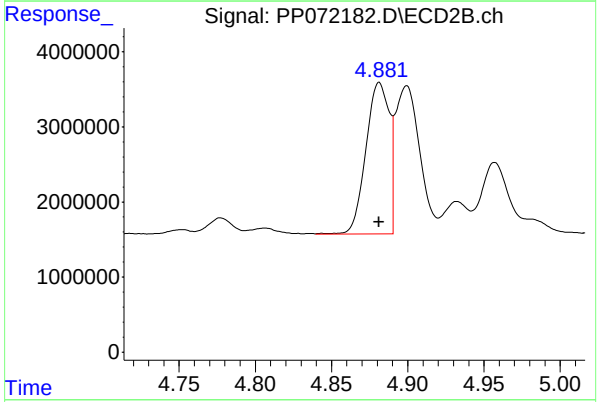
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 56480842
Conc: 50.00 ng/ml



#21 AR-1248-1

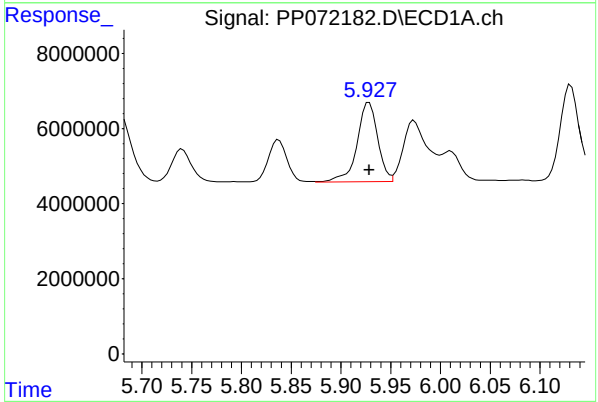
R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 23956323
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



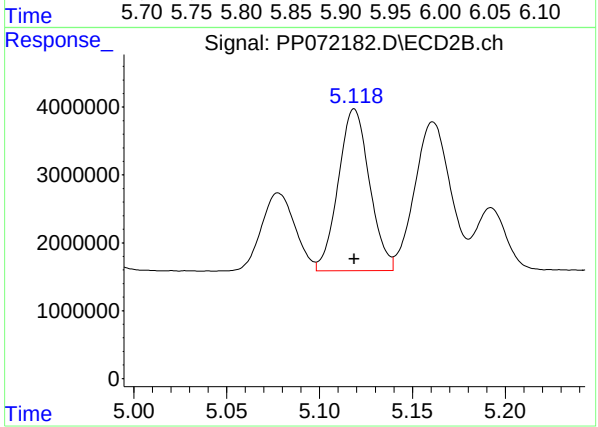
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 21490405
Conc: 500.00 ng/ml



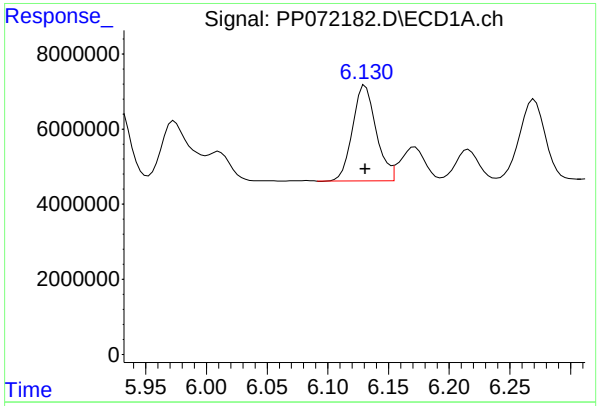
#22 AR-1248-2

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 30582698
Conc: 500.00 ng/ml



#22 AR-1248-2

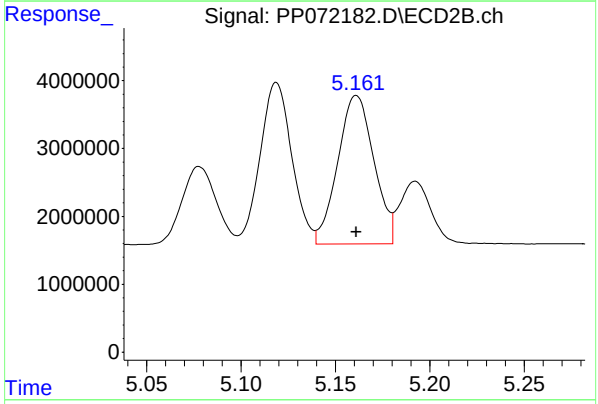
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 27907479
Conc: 500.00 ng/ml



#23 AR-1248-3

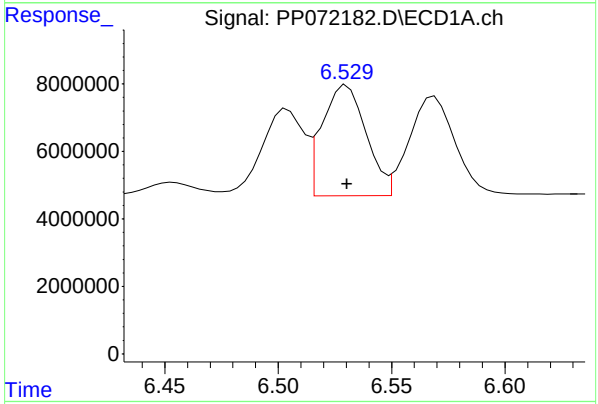
R.T.: 6.131 min
Delta R.T.: 0.000 min
Response: 34383966
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



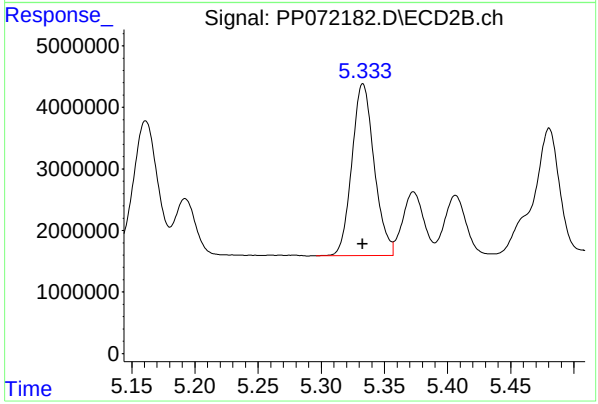
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 29150937
Conc: 500.00 ng/ml



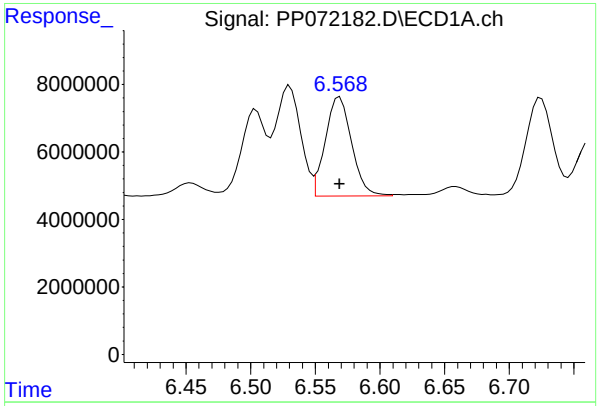
#24 AR-1248-4

R.T.: 6.530 min
Delta R.T.: 0.000 min
Response: 44206090
Conc: 500.00 ng/ml



#24 AR-1248-4

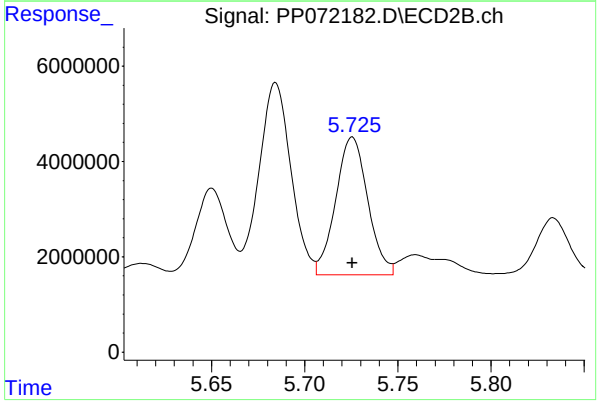
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 34399526
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 41605620
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 34620634
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:53
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.504	3.798	52810864	45199511	26.764	27.295
2)	SA Decachlor...	10.217	8.825	42874232	30462979	26.180	27.121
	Target Compounds						
21)	L5 AR-1248-1	5.657	4.882	12861341	11684235	269.533	280.297
22)	L5 AR-1248-2	5.929	5.119	15869170	15269791	263.358	281.515
23)	L5 AR-1248-3	6.132	5.161	17659503	16001810	261.722	280.908
24)	L5 AR-1248-4	6.531	5.333	23049150	18905273	265.299	281.073
25)	L5 AR-1248-5	6.570	5.726	21712961	18625278	264.265	276.065

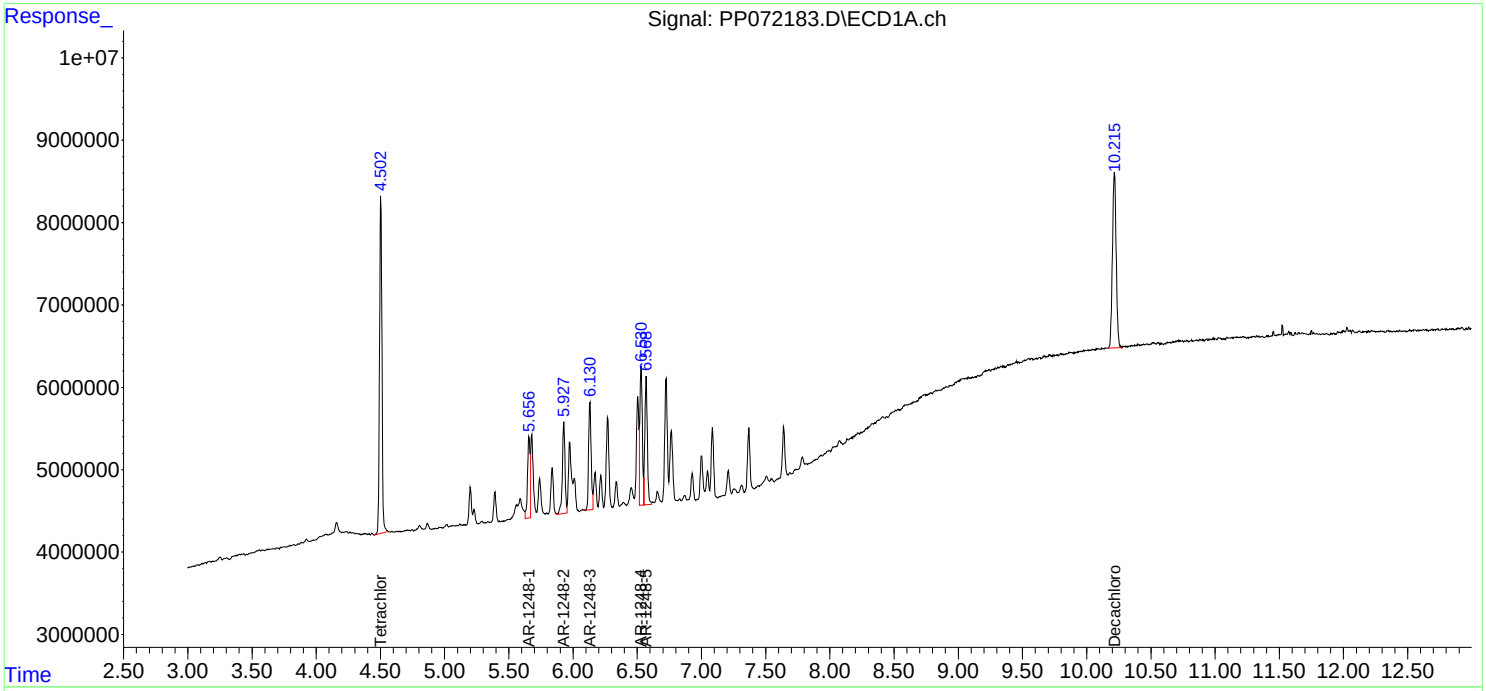
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

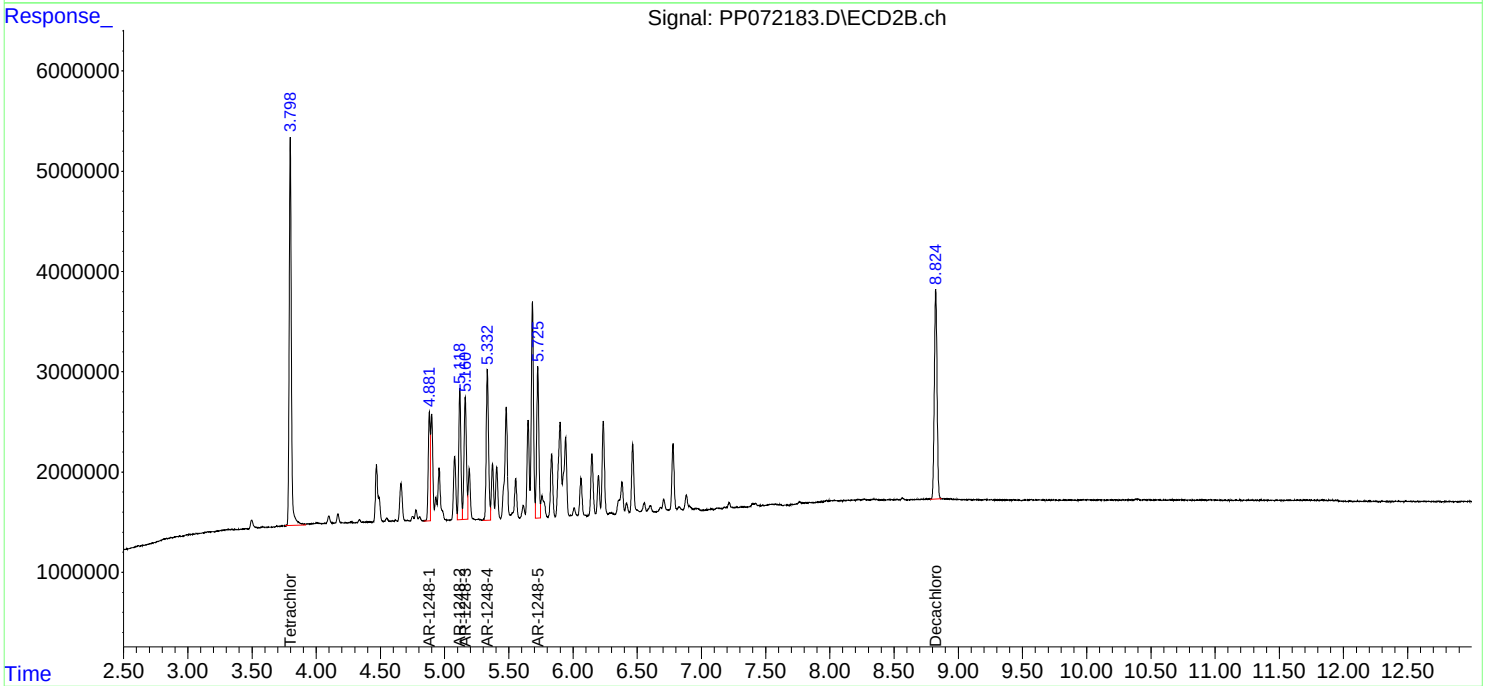
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:53
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

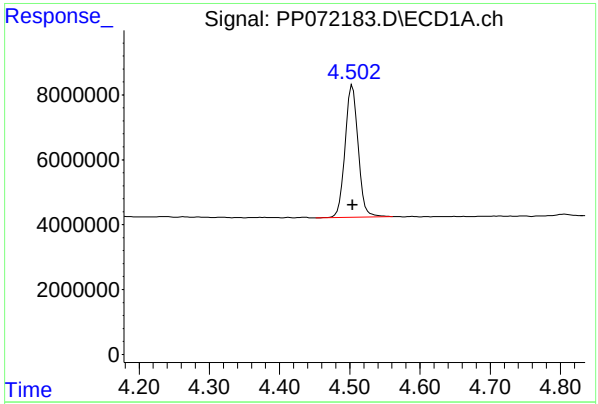
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



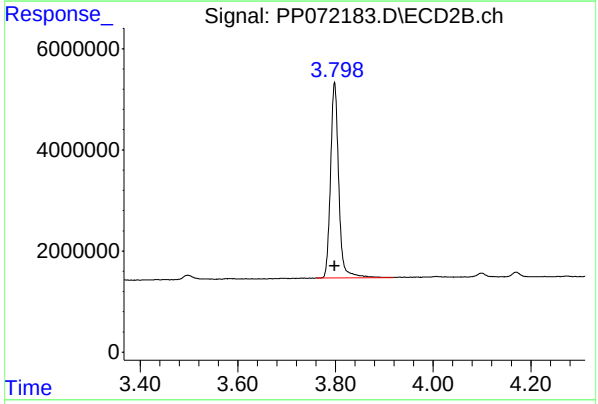




#1 Tetrachloro-m-xylene

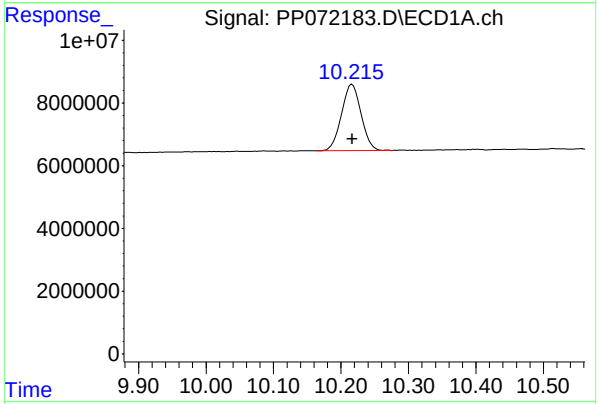
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 52810864
Conc: 26.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



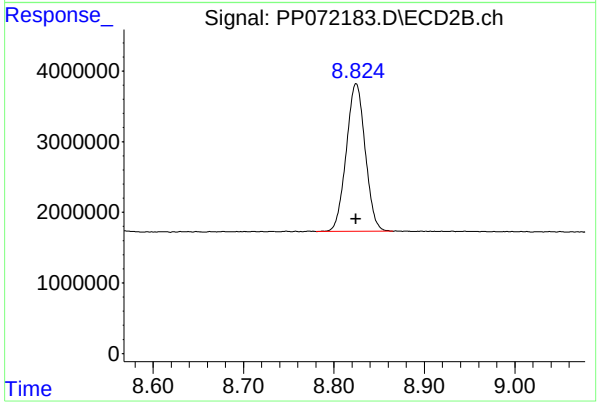
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 45199511
Conc: 27.29 ng/ml



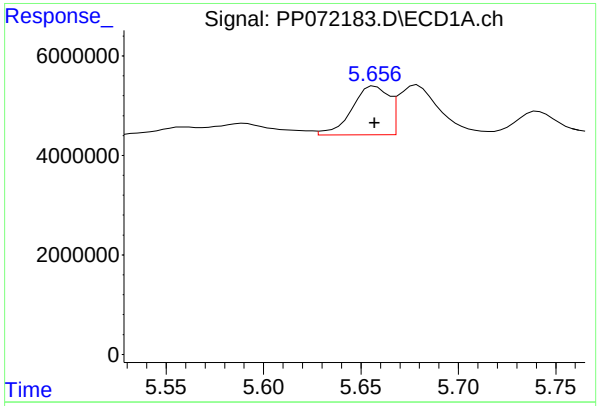
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 42874232
Conc: 26.18 ng/ml



#2 Decachlorobiphenyl

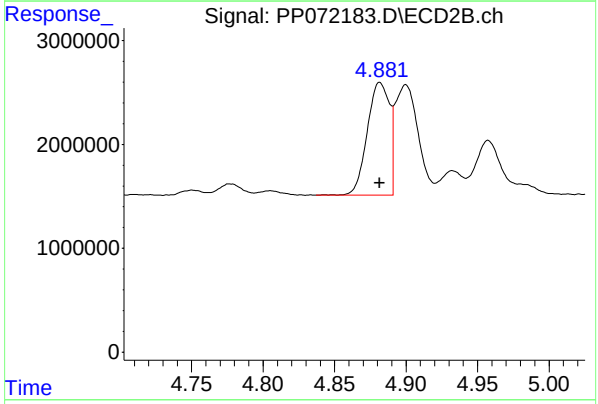
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 30462979
Conc: 27.12 ng/ml



#21 AR-1248-1

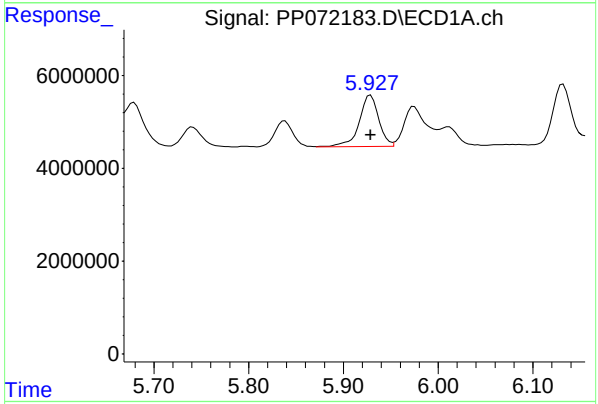
R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 12861341
Conc: 269.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



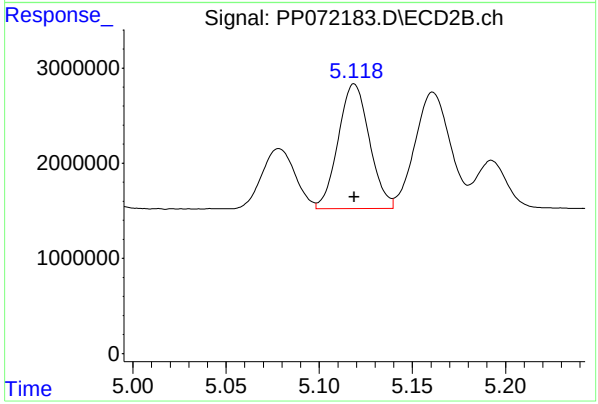
#21 AR-1248-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 11684235
Conc: 280.30 ng/ml



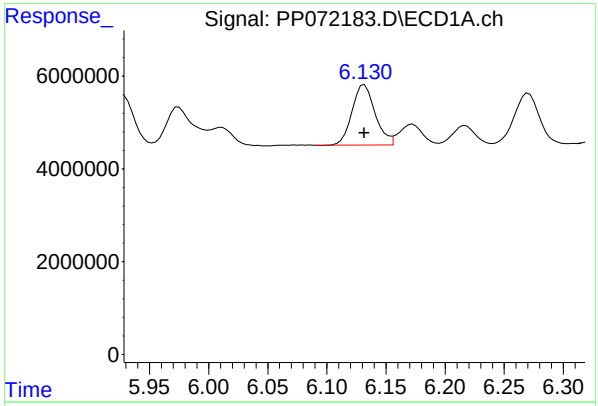
#22 AR-1248-2

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 15869170
Conc: 263.36 ng/ml



#22 AR-1248-2

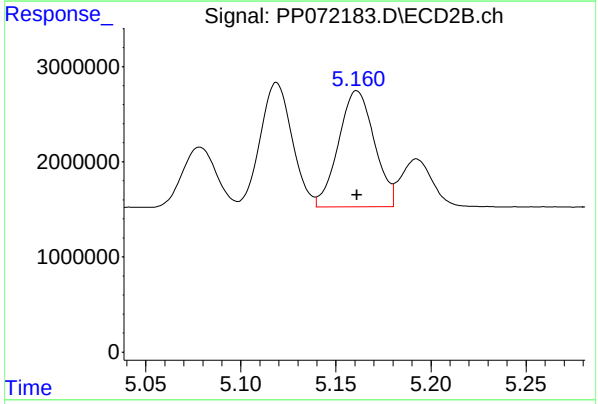
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 15269791
Conc: 281.52 ng/ml



#23 AR-1248-3

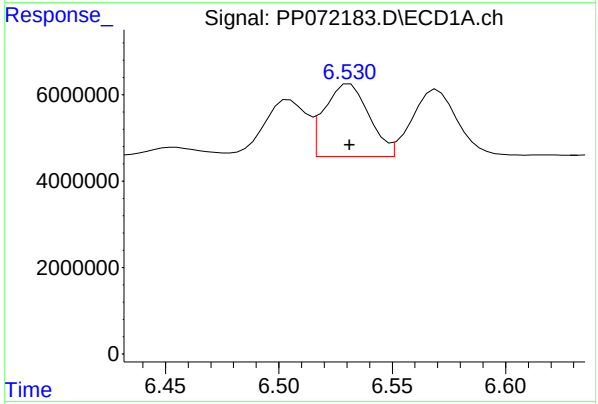
R.T.: 6.132 min
Delta R.T.: 0.000 min
Response: 17659503
Conc: 261.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



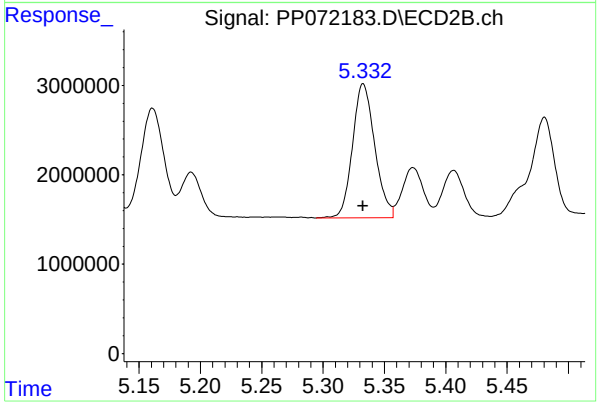
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 16001810
Conc: 280.91 ng/ml



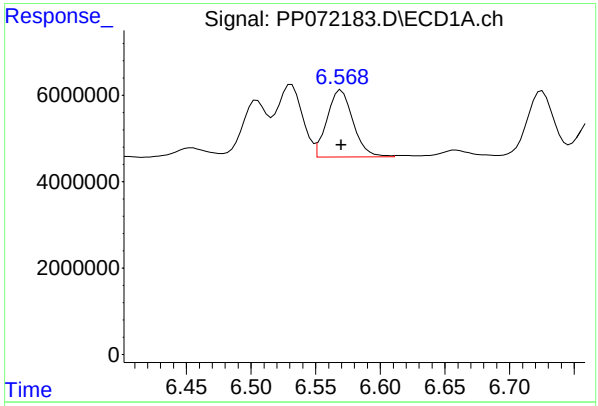
#24 AR-1248-4

R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 23049150
Conc: 265.30 ng/ml



#24 AR-1248-4

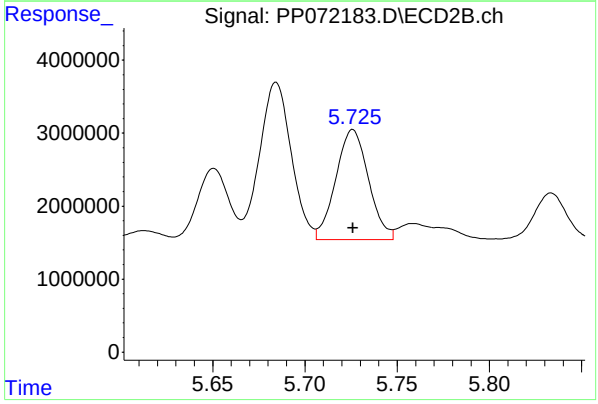
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 18905273
Conc: 281.07 ng/ml



#25 AR-1248-5

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 21712961
Conc: 264.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 18625278
Conc: 276.06 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.797	9281743	8589975	4.760	5.149
2)	SA Decachlor...	10.214	8.824	7393621	5937693	4.604	5.226
	Target Compounds						
21)	L5 AR-1248-1	5.652	4.881	2555425	2493351	52.477m	57.554
22)	L5 AR-1248-2	5.926	5.118	3108634	3271038	51.264	57.918
23)	L5 AR-1248-3	6.128	5.160	3050186	3383850	46.089	57.249
24)	L5 AR-1248-4	6.528	5.332	4472018	3960972	51.172	56.978m
25)	L5 AR-1248-5	6.567	5.725	4323703	3941459	52.077	56.517

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

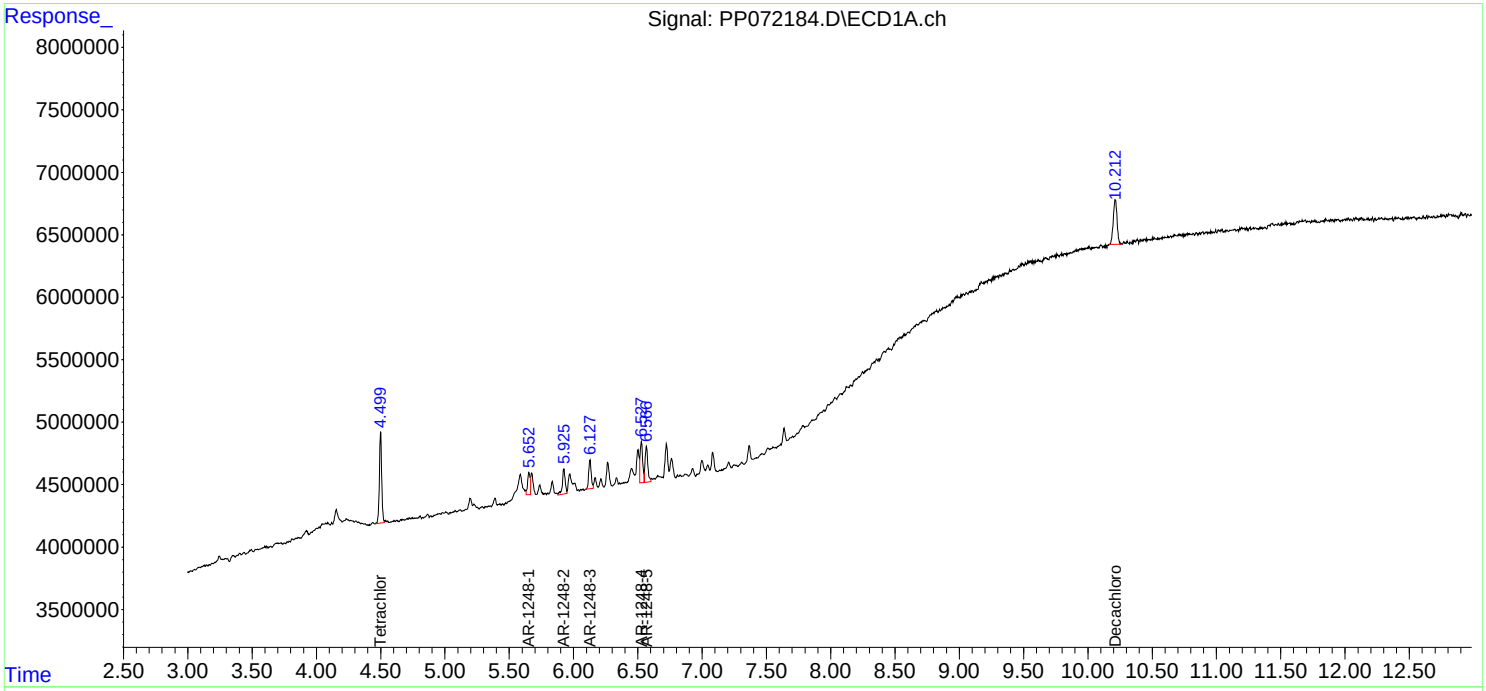
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

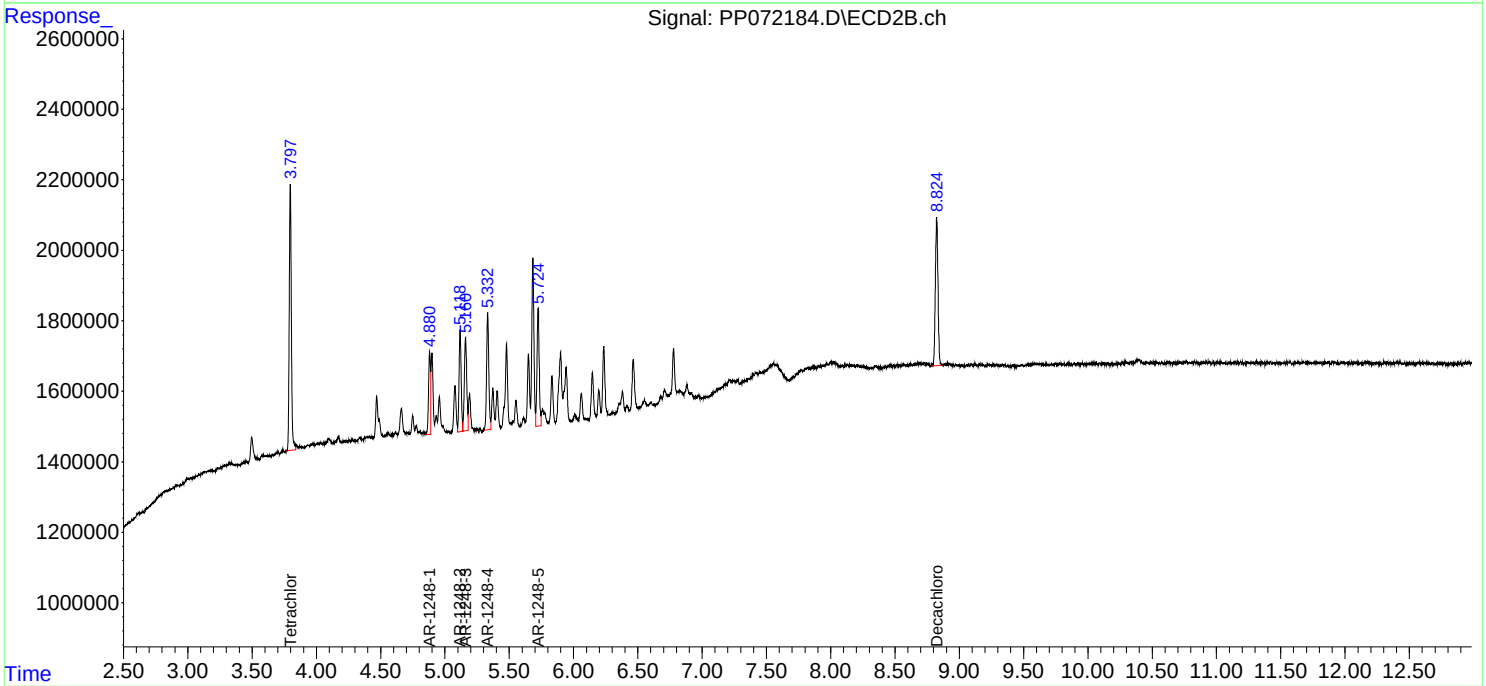
Manual Integrations APPROVED

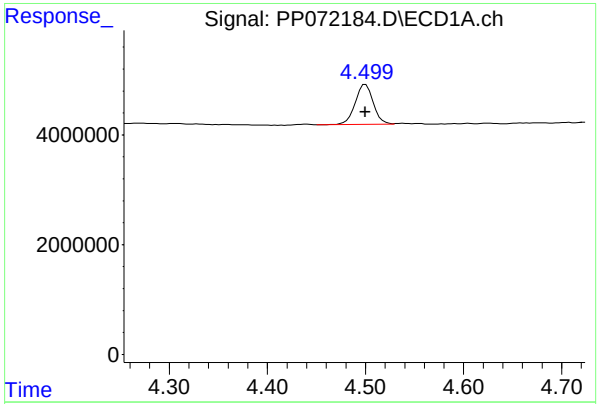
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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







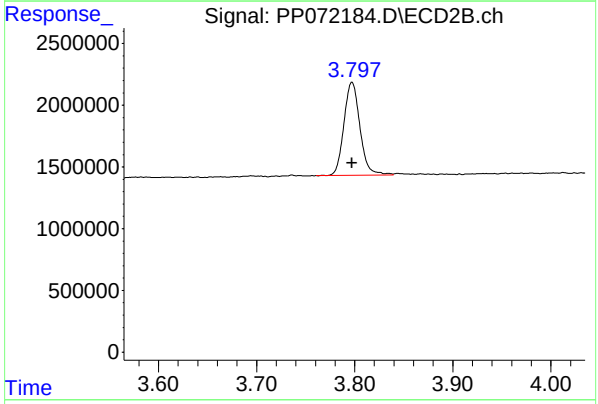
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 9281743
Conc: 4.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

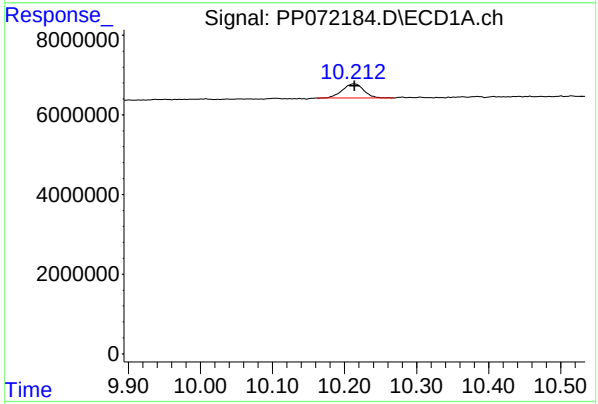
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



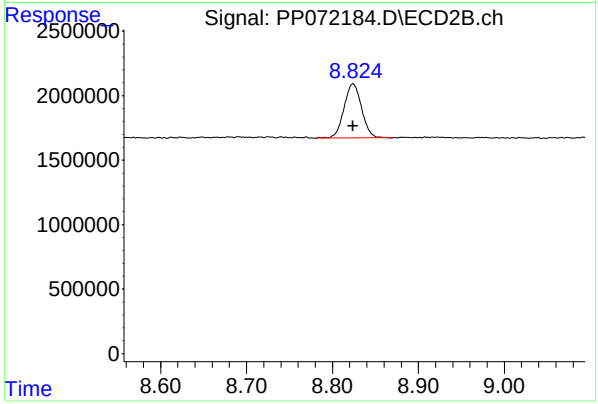
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 8589975
Conc: 5.15 ng/ml



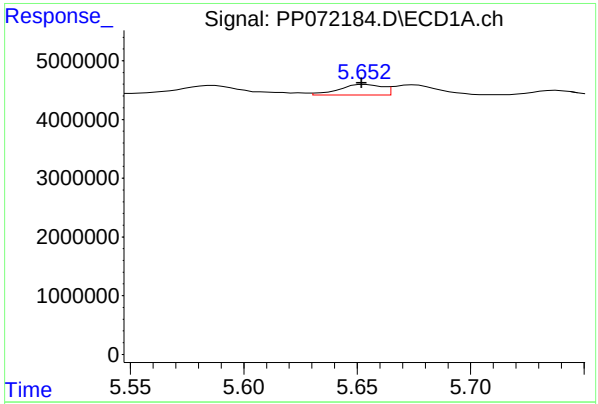
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 7393621
Conc: 4.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5937693
Conc: 5.23 ng/ml



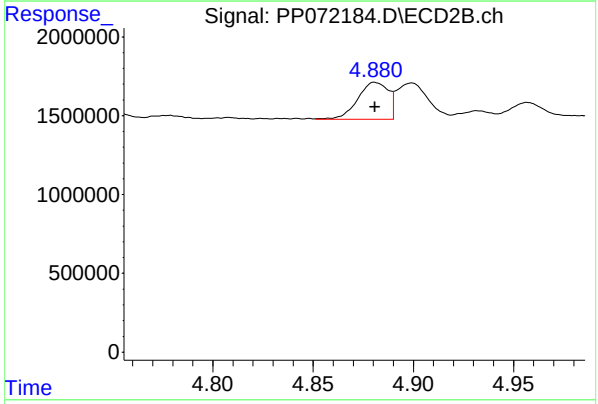
#21 AR-1248-1

R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 2555425
Conc: 52.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

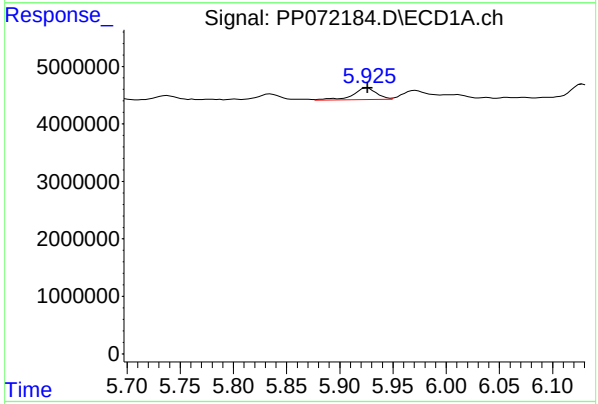
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



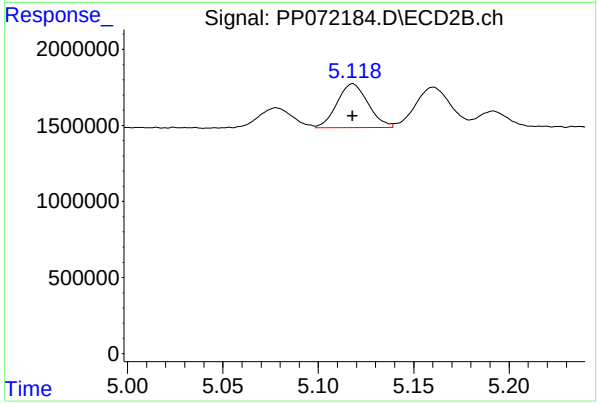
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 2493351
Conc: 57.55 ng/ml



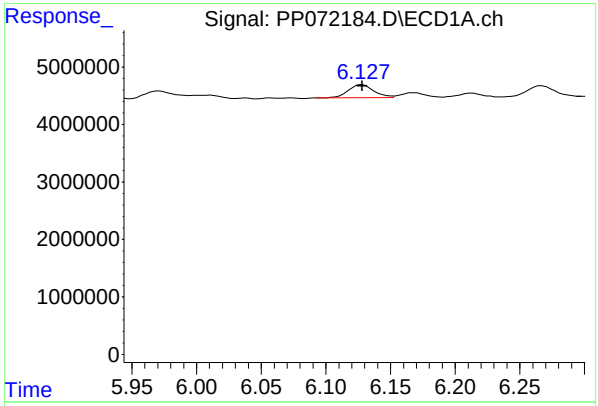
#22 AR-1248-2

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 3108634
Conc: 51.26 ng/ml



#22 AR-1248-2

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 3271038
Conc: 57.92 ng/ml



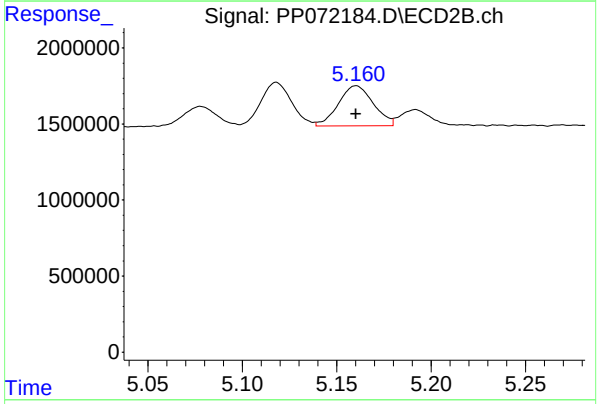
#23 AR-1248-3

R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 3050186
Conc: 46.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

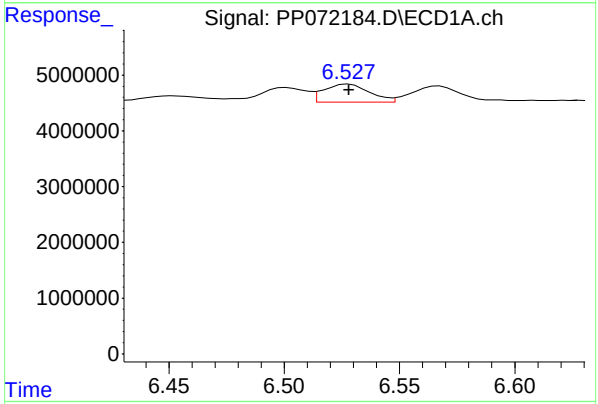
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



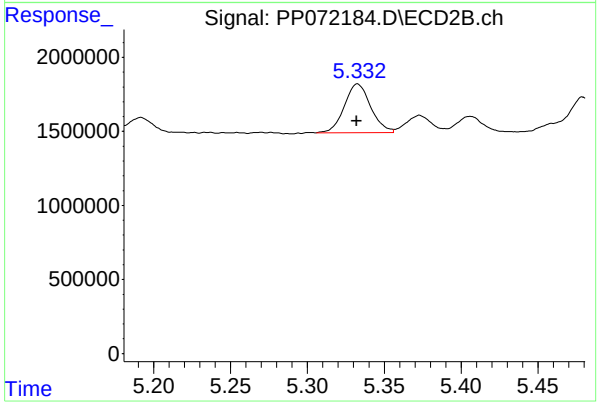
#23 AR-1248-3

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 3383850
Conc: 57.25 ng/ml



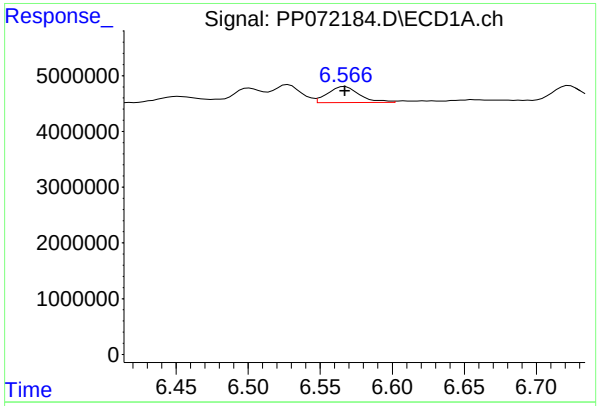
#24 AR-1248-4

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 4472018
Conc: 51.17 ng/ml



#24 AR-1248-4

R.T.: 5.332 min
Delta R.T.: 0.000 min
Response: 3960972
Conc: 56.98 ng/ml m



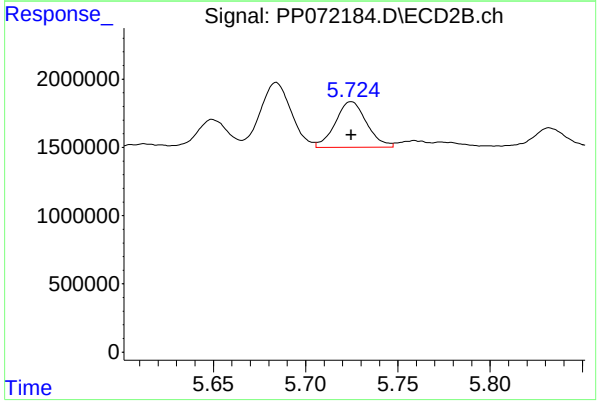
#25 AR-1248-5

R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 4323703
Conc: 52.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 3941459
Conc: 56.52 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.504	3.799	186.9E6	151.6E6	95.813	92.566
2)	SA Decachlor...	10.217	8.825	157.7E6	104.9E6	96.583	97.142
	Target Compounds						
26)	L6 AR-1254-1	6.507	5.685	79792123	88394708	957.230	921.511
27)	L6 AR-1254-2	6.724	5.834	120.1E6	75158218	956.365	909.300
28)	L6 AR-1254-3	7.088	6.236	124.3E6	118.6E6	963.286	925.888
29)	L6 AR-1254-4	7.370	6.465	116.3E6	76184182	966.294	916.589
30)	L6 AR-1254-5	7.787	6.883	107.9E6	103.3E6	962.647	923.217

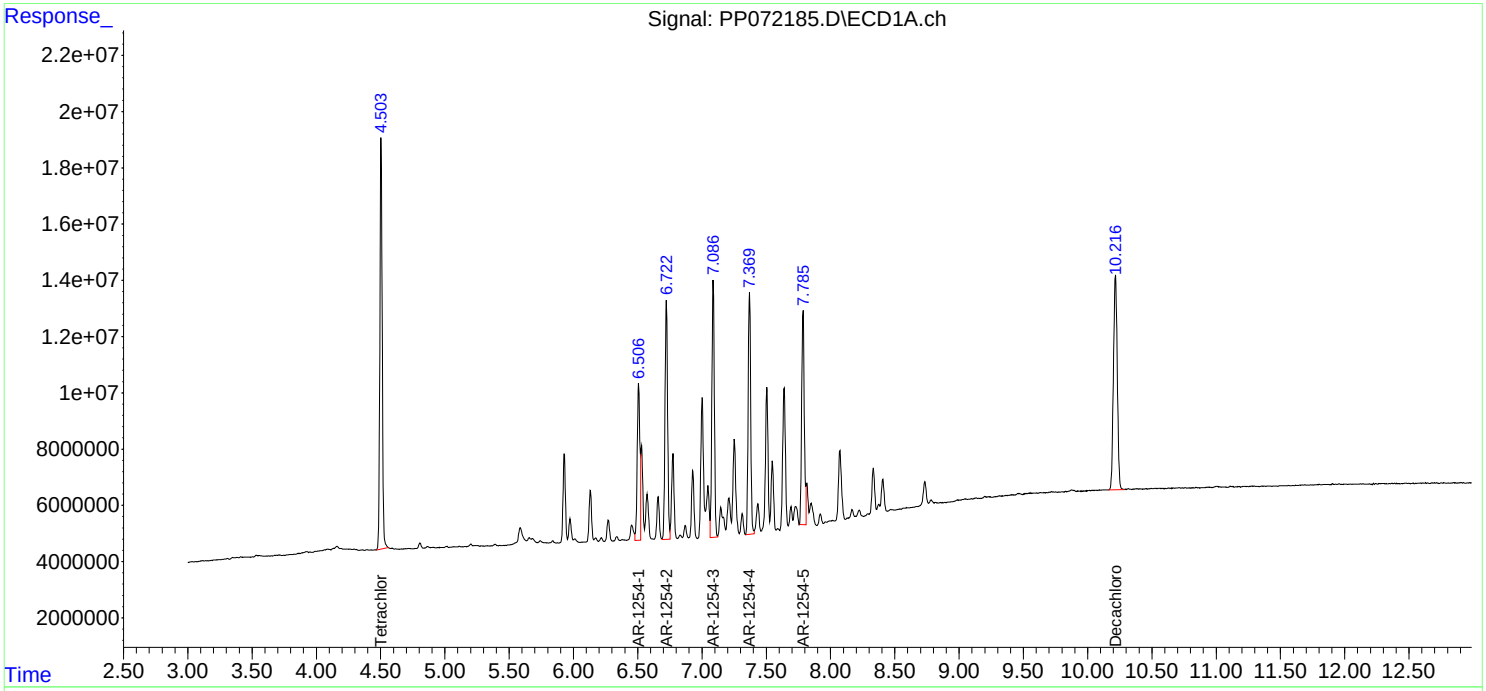
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

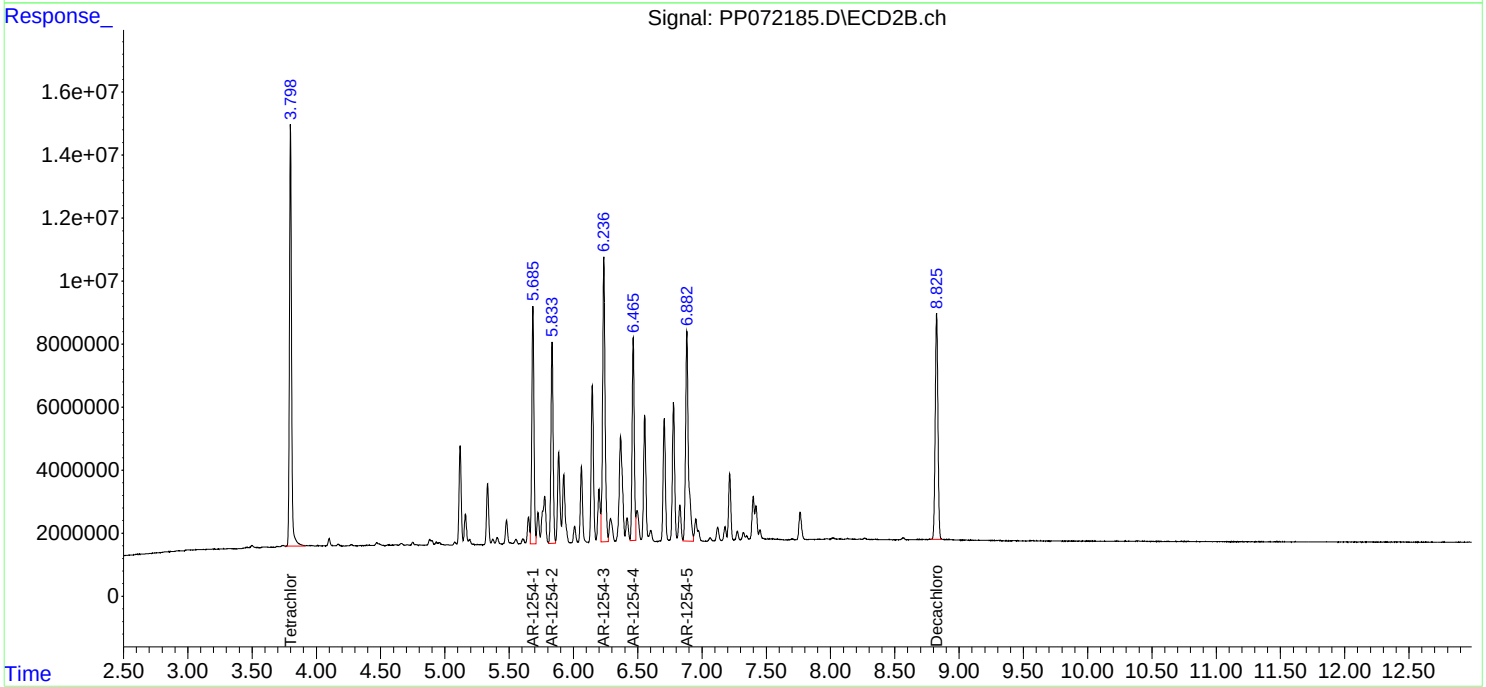
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

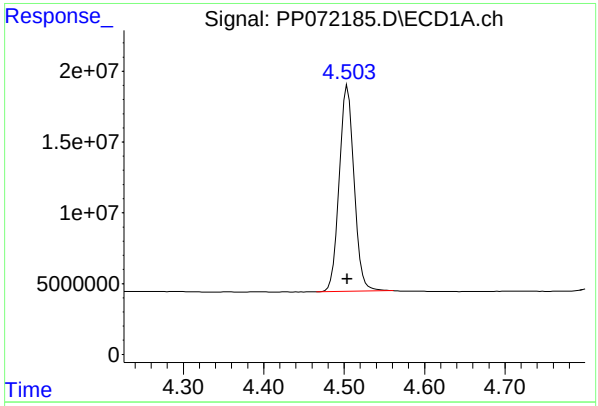
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



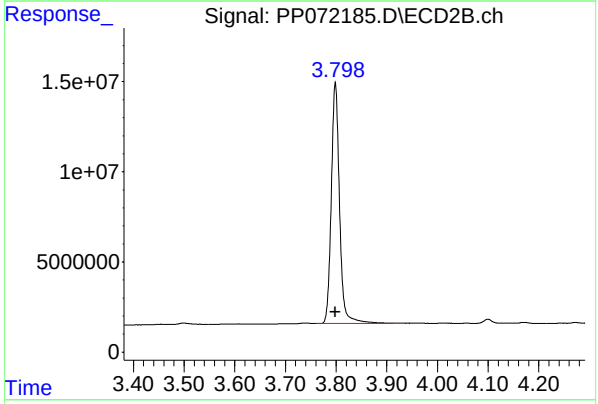




#1 Tetrachloro-m-xylene

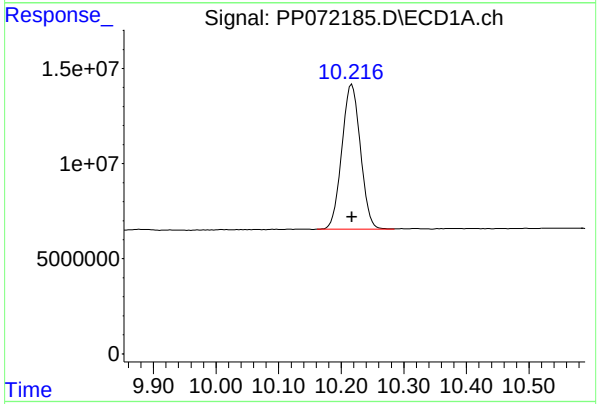
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 186906656
Conc: 95.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



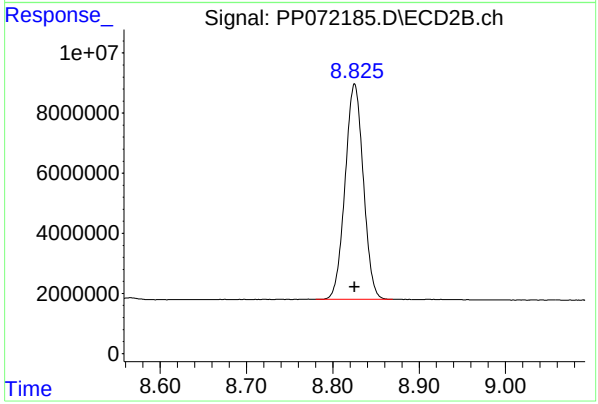
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 151555454
Conc: 92.57 ng/ml



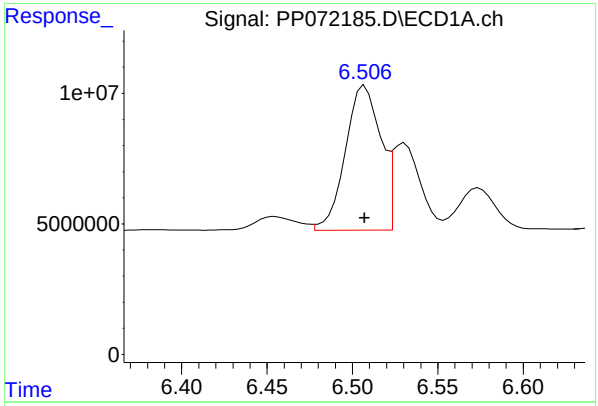
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 157650007
Conc: 96.58 ng/ml



#2 Decachlorobiphenyl

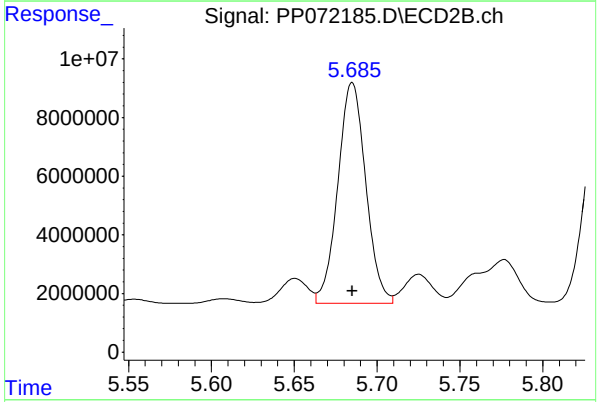
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 104861824
Conc: 97.14 ng/ml



#26 AR-1254-1

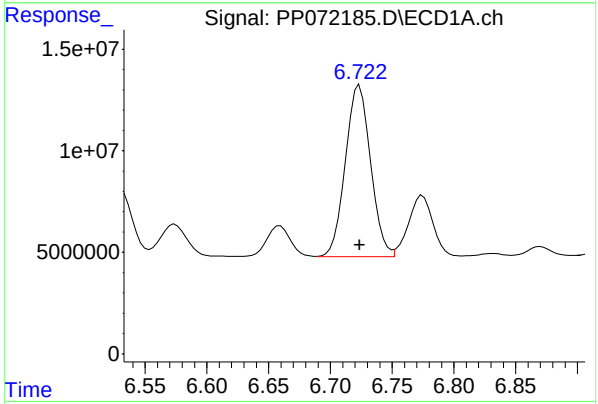
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 79792123
Conc: 957.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



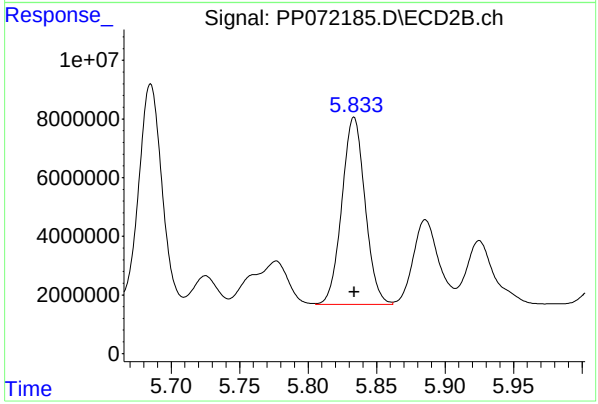
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 88394708
Conc: 921.51 ng/ml



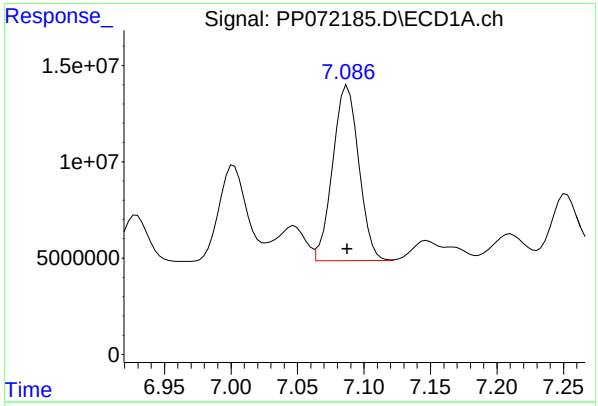
#27 AR-1254-2

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 120142096
Conc: 956.36 ng/ml



#27 AR-1254-2

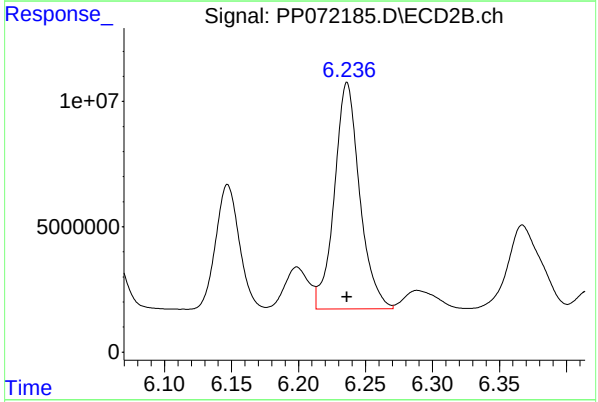
R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 75158218
Conc: 909.30 ng/ml



#28 AR-1254-3

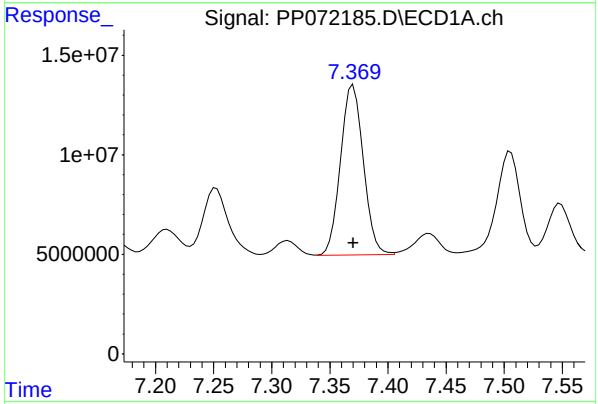
R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 124307316
Conc: 963.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



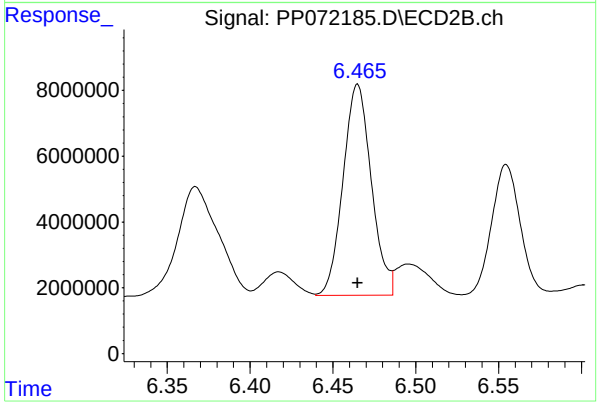
#28 AR-1254-3

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 118588697
Conc: 925.89 ng/ml



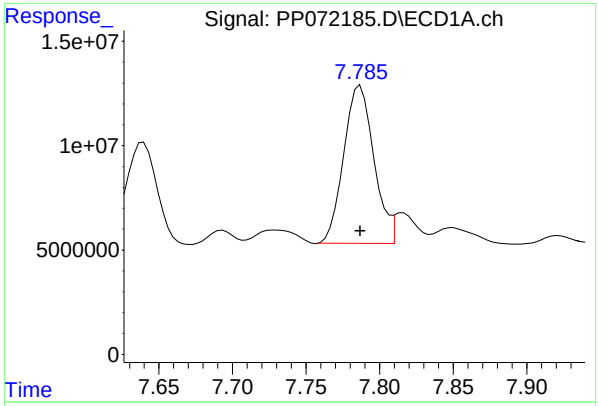
#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 116304358
Conc: 966.29 ng/ml



#29 AR-1254-4

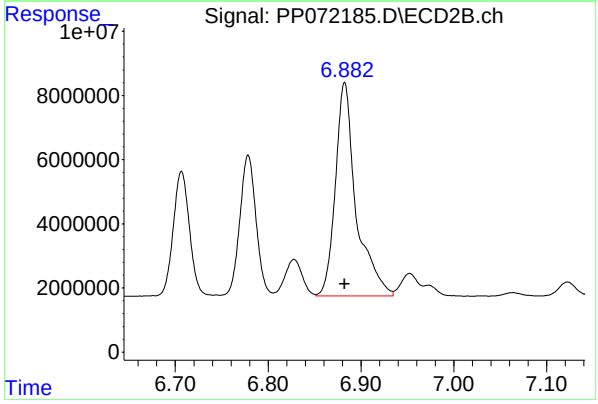
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 76184182
Conc: 916.59 ng/ml



#30 AR-1254-5

R.T.: 7.787 min
Delta R.T.: 0.000 min
Response: 107938622
Conc: 962.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 103321222
Conc: 923.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.504	3.799	146.2E6	125.8E6	74.952	76.204
2)	SA Decachlor...	10.217	8.825	121.1E6	81081085	74.439	75.075
	Target Compounds						
26)	L6 AR-1254-1	6.507	5.685	62087463	69101121	746.549	729.987
27)	L6 AR-1254-2	6.723	5.834	93637557	59106174	746.914	726.363
28)	L6 AR-1254-3	7.087	6.237	95874547	92318270	745.288	730.264
29)	L6 AR-1254-4	7.370	6.465	88913109	59863409	742.441	729.887
30)	L6 AR-1254-5	7.786	6.883	84042453	83723123	749.686	748.732

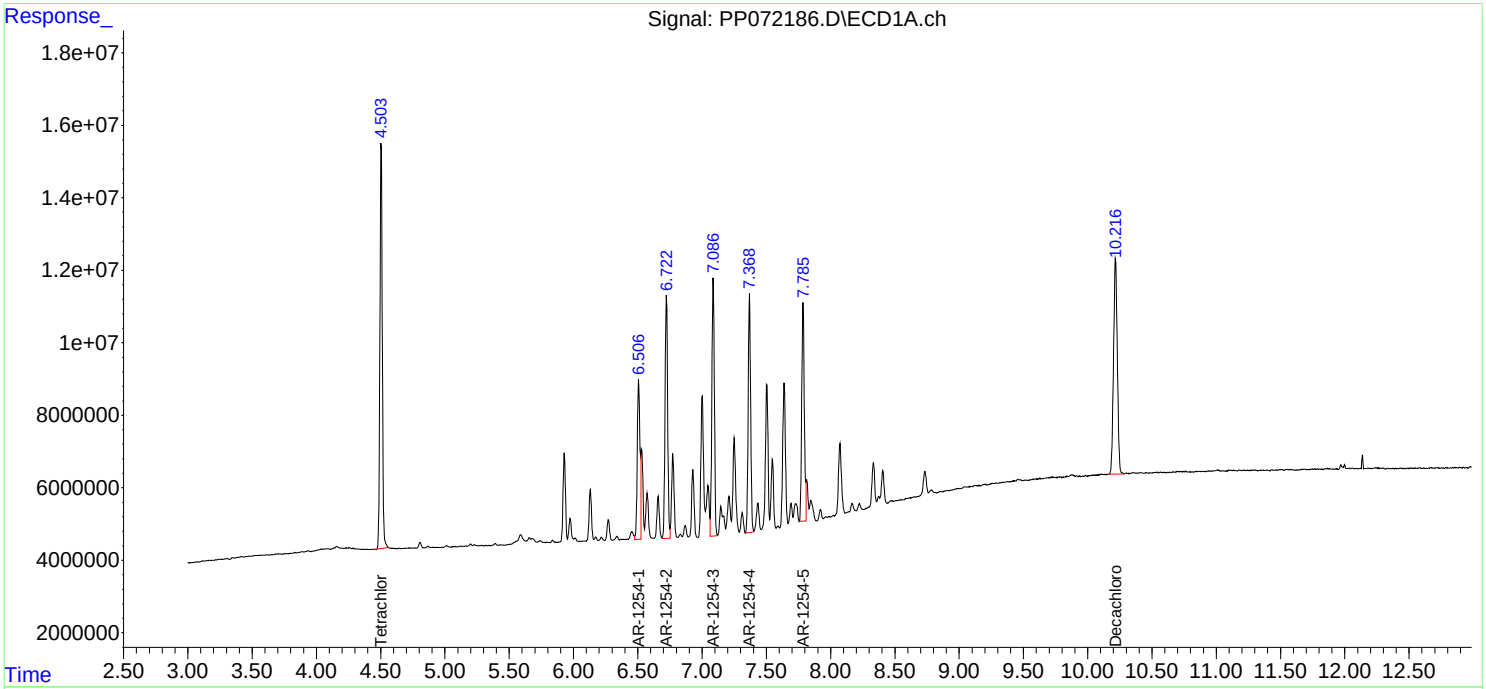
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

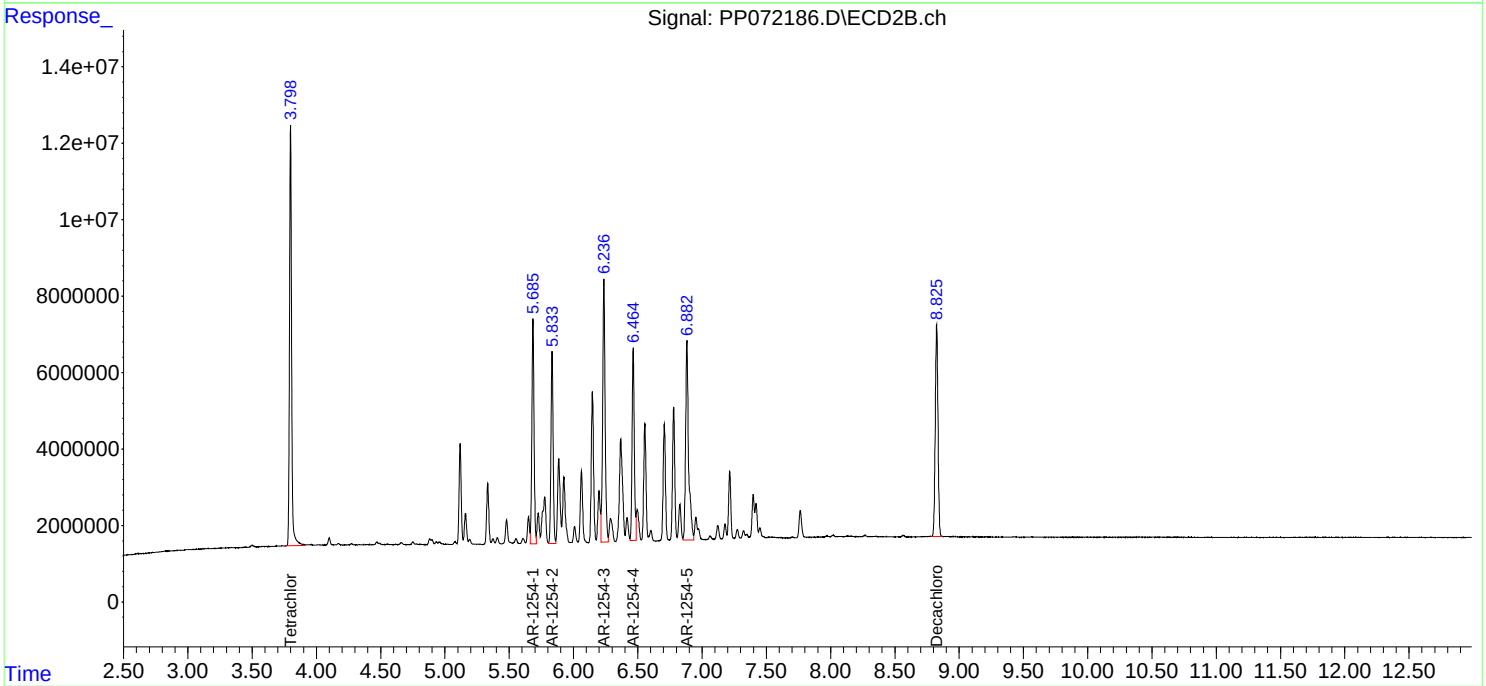
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

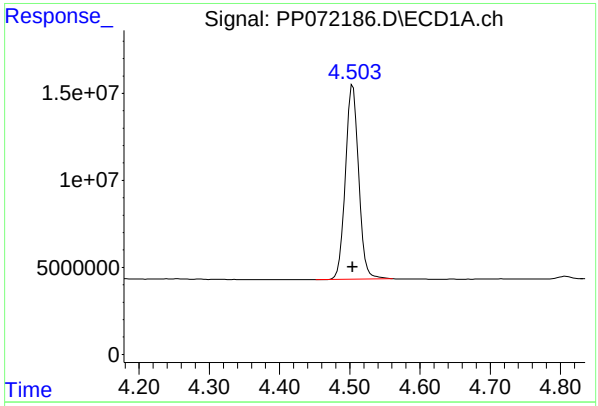
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



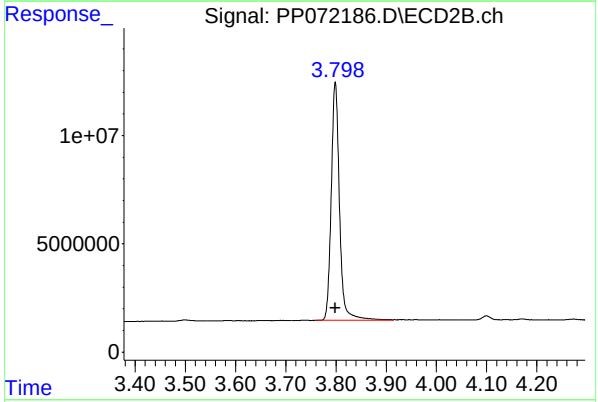




#1 Tetrachloro-m-xylene

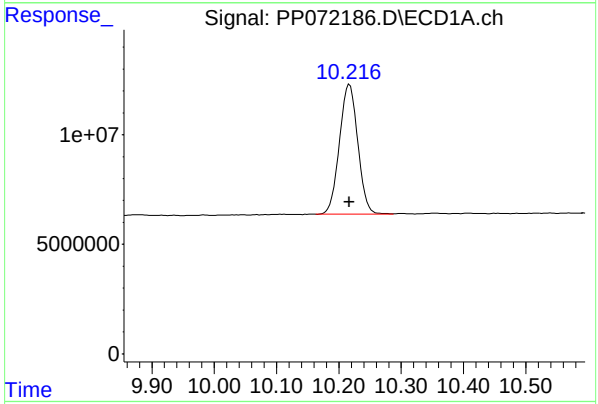
R.T.: 4.504 min
Delta R.T.: 0.000 min
Response: 146165651
Conc: 74.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



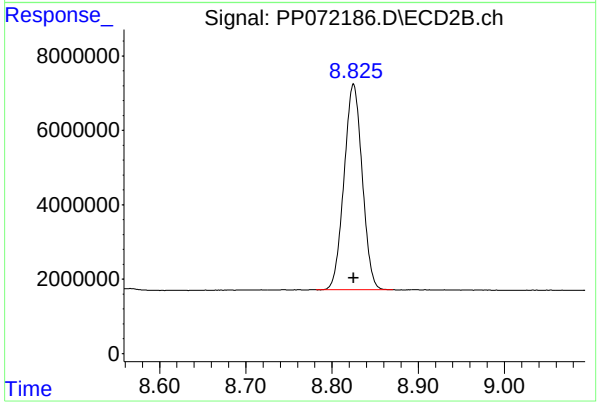
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 125776959
Conc: 76.20 ng/ml



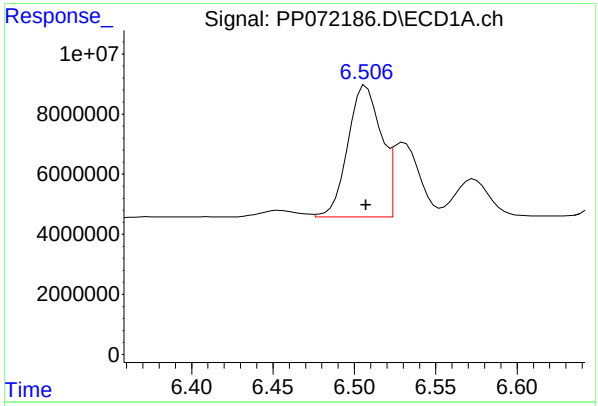
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 121052407
Conc: 74.44 ng/ml



#2 Decachlorobiphenyl

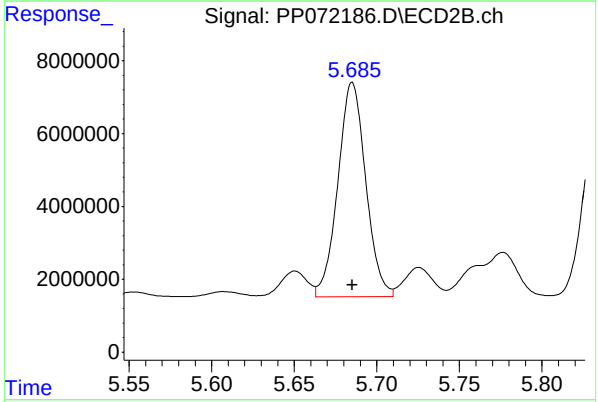
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 81081085
Conc: 75.07 ng/ml



#26 AR-1254-1

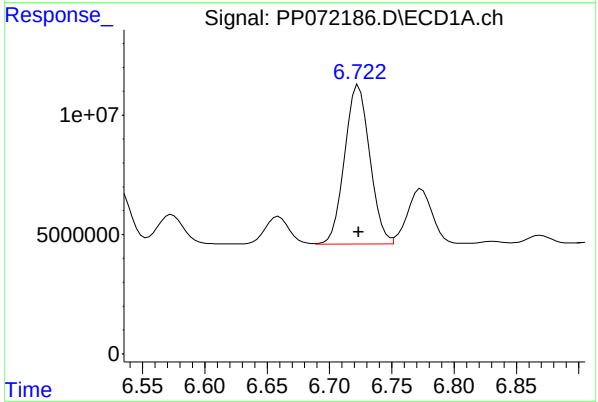
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 62087463
Conc: 746.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



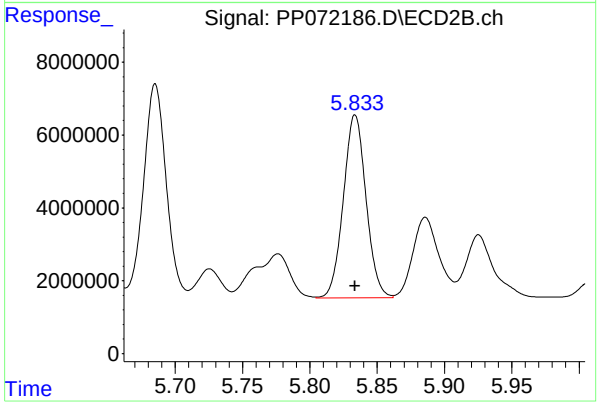
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 69101121
Conc: 729.99 ng/ml



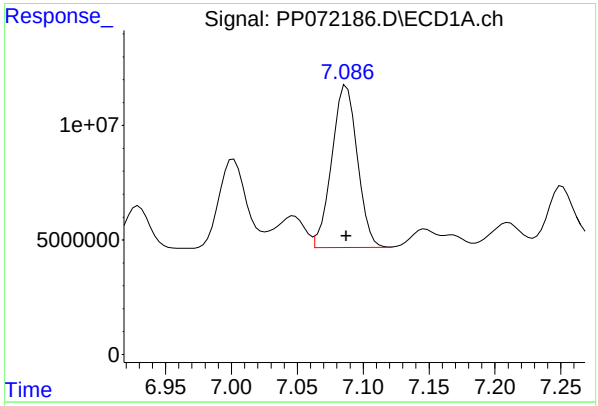
#27 AR-1254-2

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 93637557
Conc: 746.91 ng/ml



#27 AR-1254-2

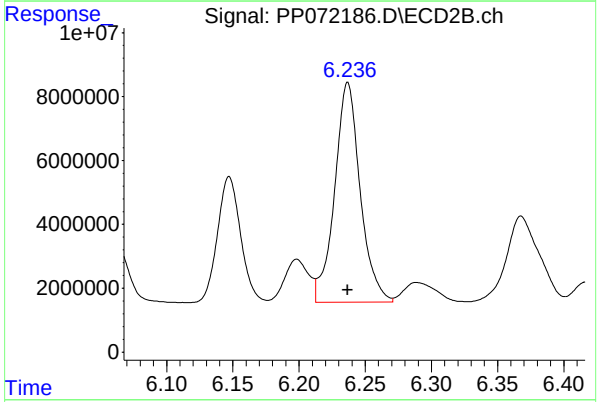
R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 59106174
Conc: 726.36 ng/ml



#28 AR-1254-3

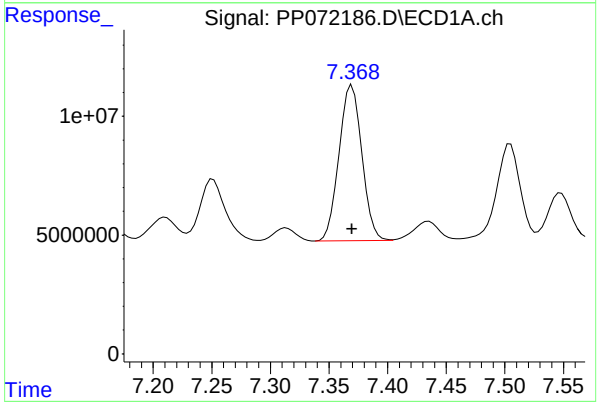
R.T.: 7.087 min
Delta R.T.: 0.000 min
Response: 95874547
Conc: 745.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



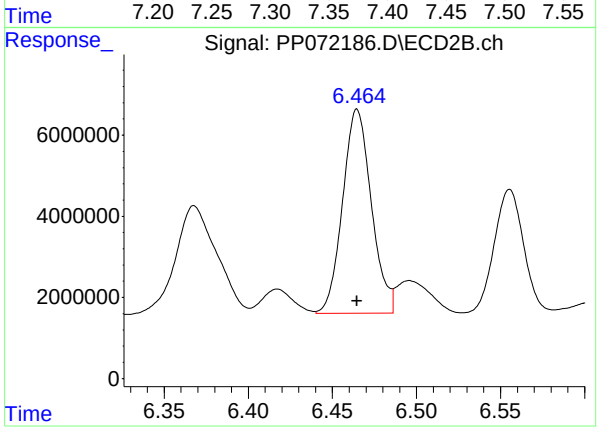
#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 92318270
Conc: 730.26 ng/ml



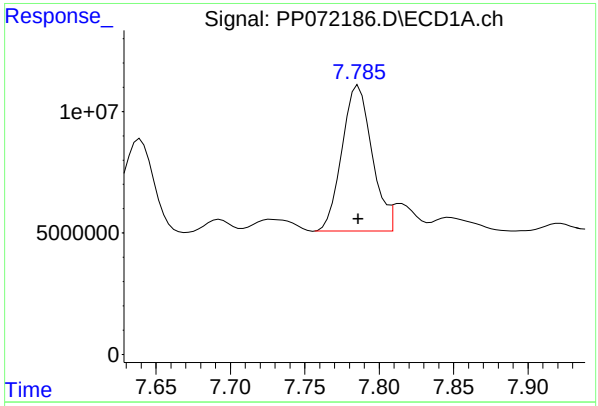
#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 88913109
Conc: 742.44 ng/ml



#29 AR-1254-4

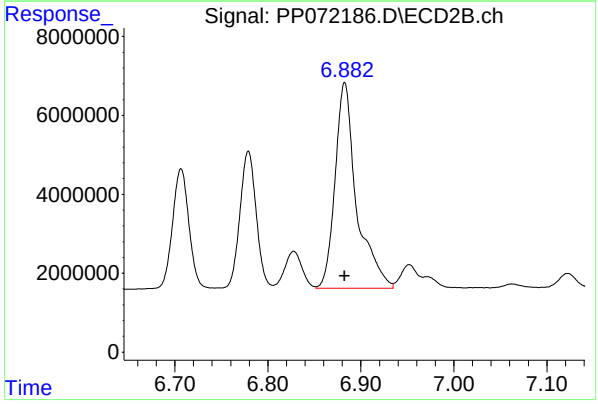
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 59863409
Conc: 729.89 ng/ml



#30 AR-1254-5

R.T.: 7.786 min
Delta R.T.: 0.000 min
Response: 84042453
Conc: 749.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 83723123
Conc: 748.73 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:52:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.798	101.6E6	87948942	50.000	50.000
2)	SA Decachlor...	10.215	8.825	84401769	55516052	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.506	5.685	43461212	51726314	500.000	500.000
27)	L6 AR-1254-2	6.723	5.833	65552662	45075919	500.000	500.000
28)	L6 AR-1254-3	7.086	6.236	66891427	68786744	500.000	500.000
29)	L6 AR-1254-4	7.369	6.465	62209110	45024944	500.000	500.000
30)	L6 AR-1254-5	7.785	6.883	58157609	60253702	500.000	500.000

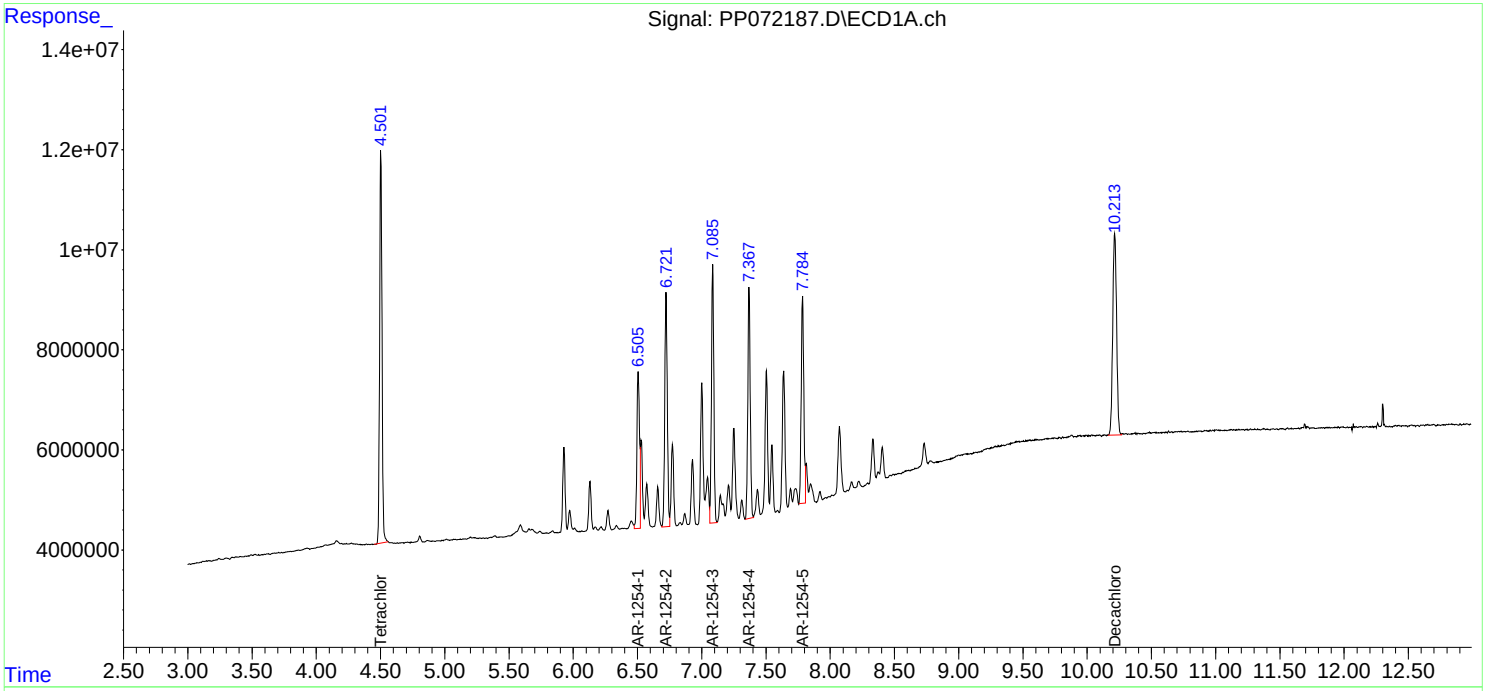
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

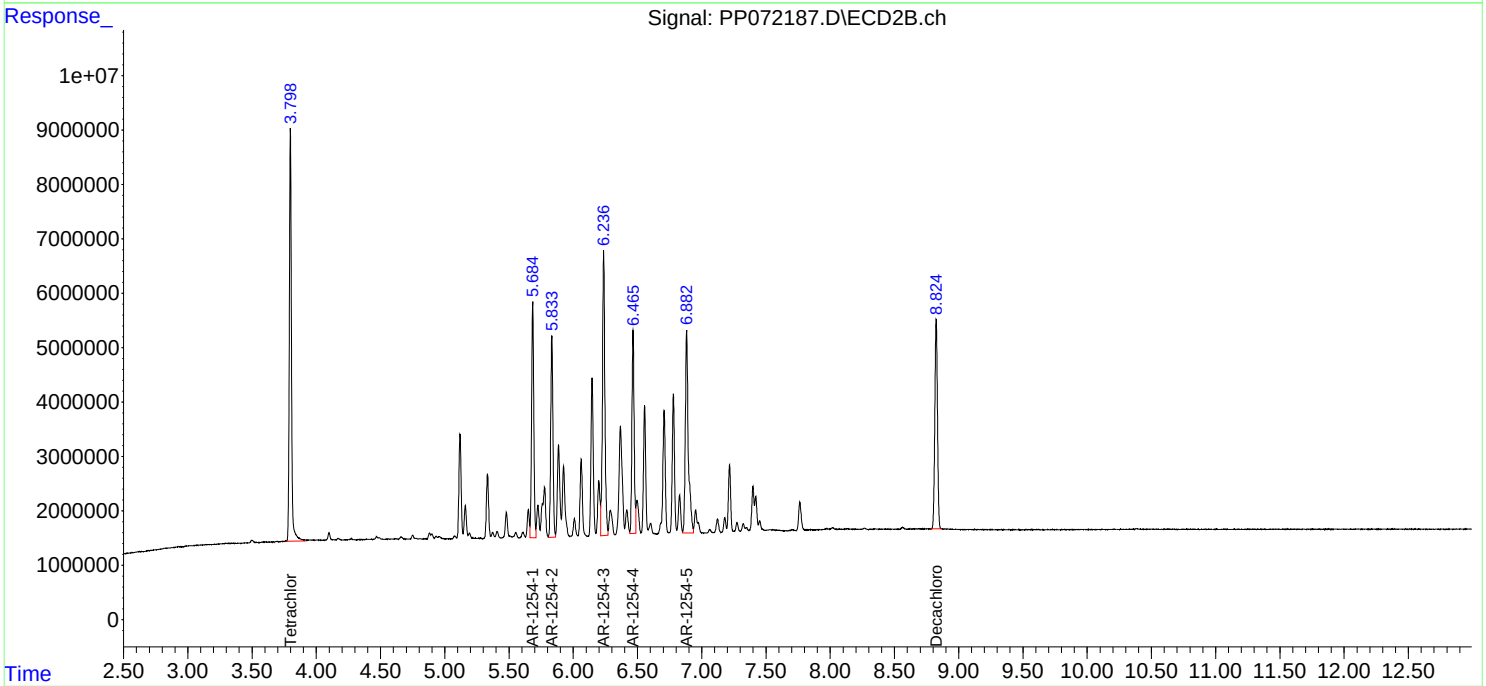
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

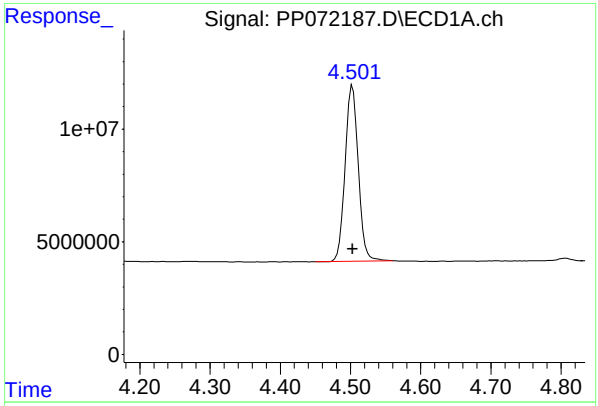
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:52:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



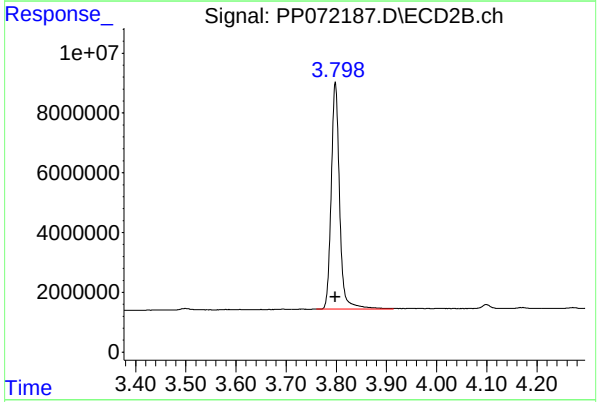




#1 Tetrachloro-m-xylene

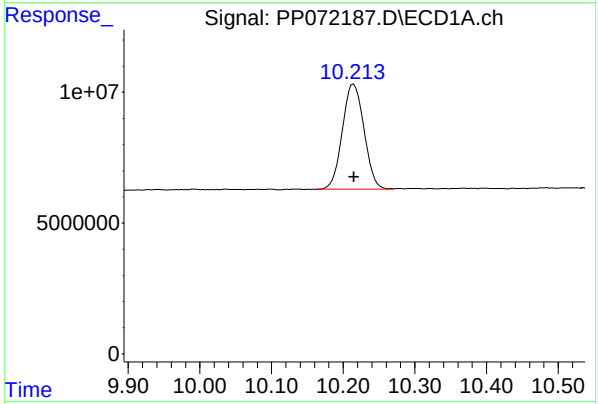
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 101621771
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



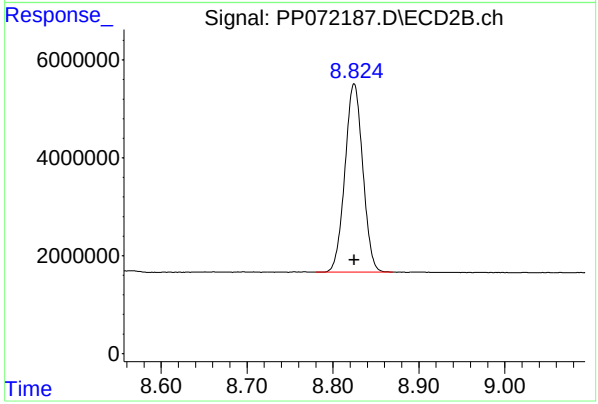
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 87948942
Conc: 50.00 ng/ml



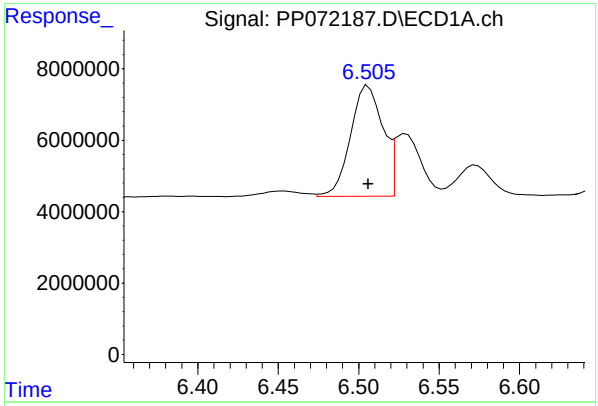
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 84401769
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

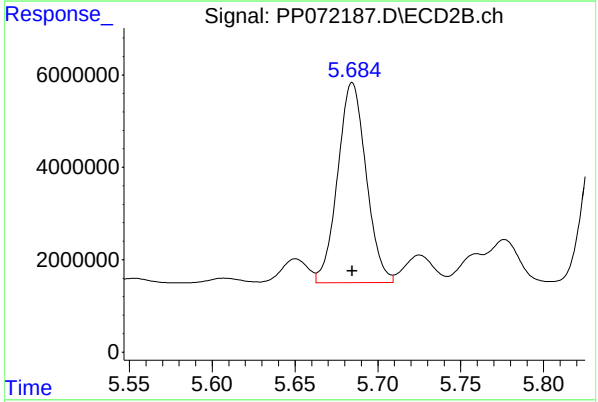
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 55516052
Conc: 50.00 ng/ml



#26 AR-1254-1

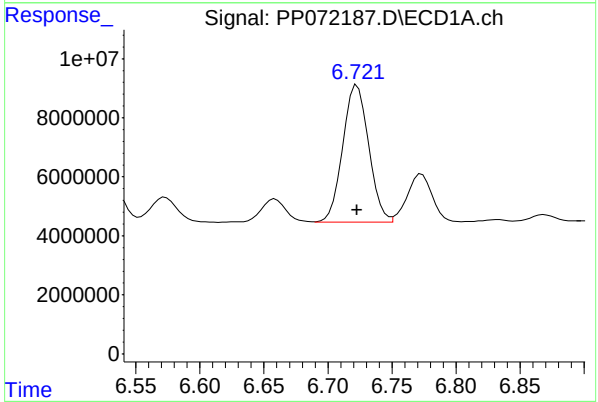
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 43461212
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



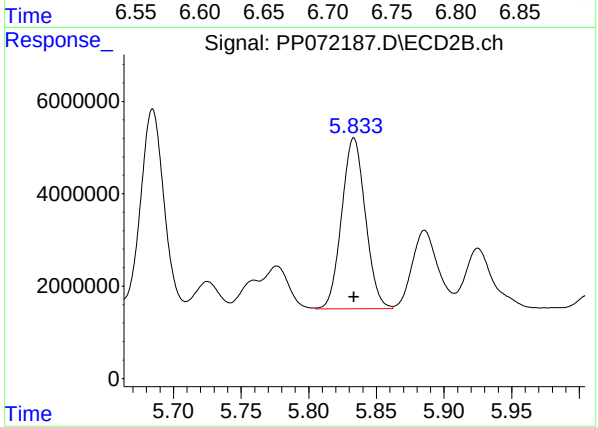
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 51726314
Conc: 500.00 ng/ml



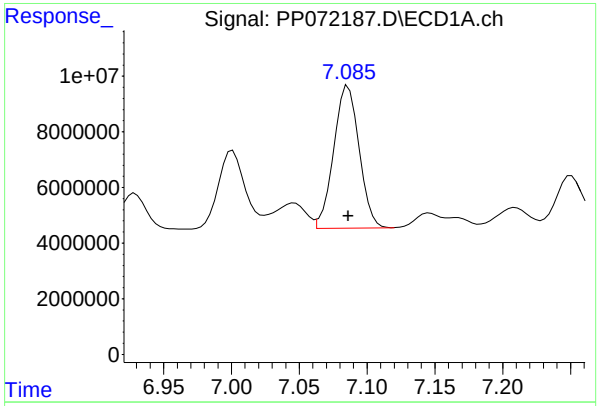
#27 AR-1254-2

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 65552662
Conc: 500.00 ng/ml



#27 AR-1254-2

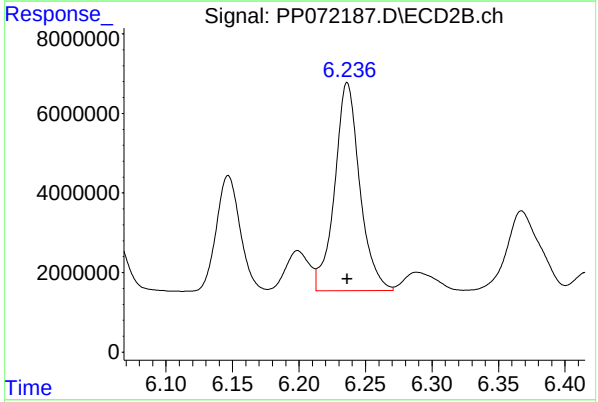
R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 45075919
Conc: 500.00 ng/ml



#28 AR-1254-3

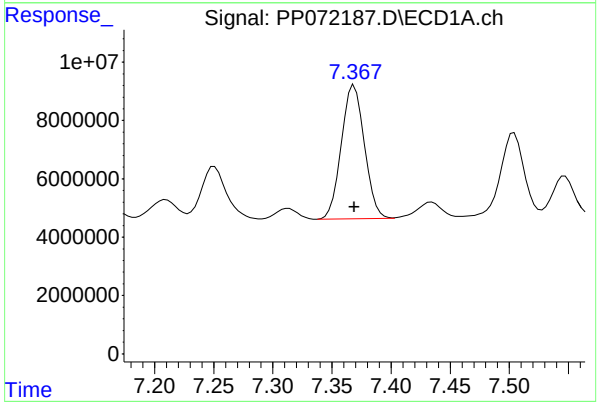
R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 66891427
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



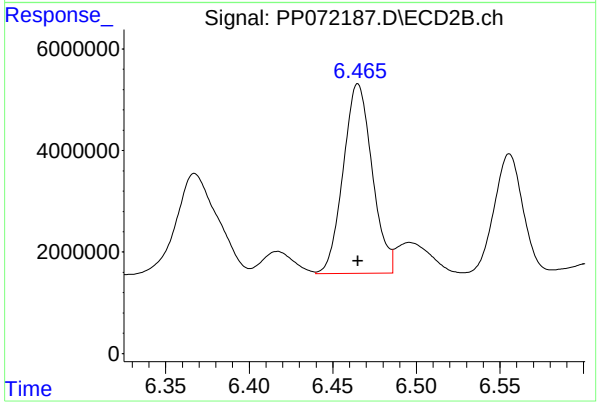
#28 AR-1254-3

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 68786744
Conc: 500.00 ng/ml



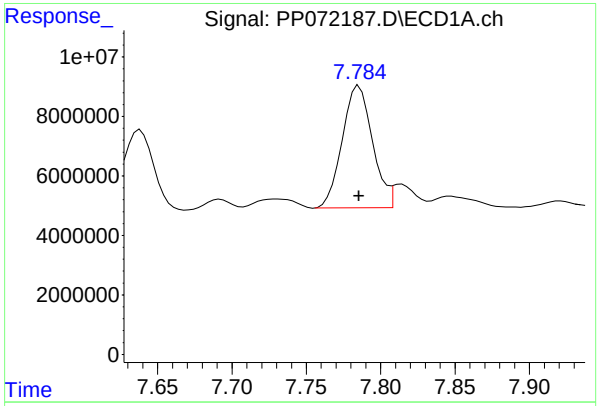
#29 AR-1254-4

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 62209110
Conc: 500.00 ng/ml



#29 AR-1254-4

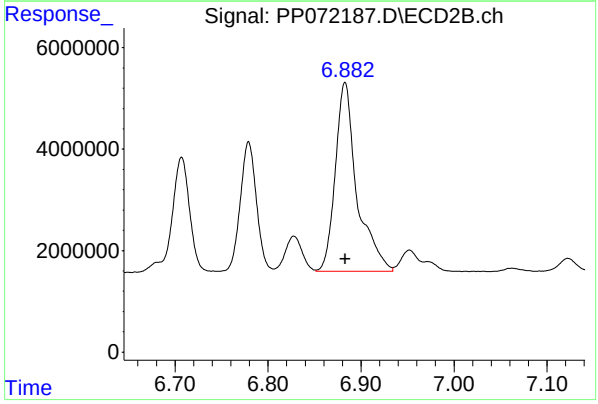
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 45024944
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.785 min
Delta R.T.: 0.000 min
Response: 58157609
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 60253702
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:31
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.798	51747510	42581151	26.134	25.594
2)	SA Decachlor...	10.215	8.825	42700529	30290967	25.932	27.218
	Target Compounds						
26)	L6 AR-1254-1	6.506	5.685	22921007	27395223	268.725	278.433
27)	L6 AR-1254-2	6.722	5.833	33636773	23446738	263.485	277.554
28)	L6 AR-1254-3	7.085	6.237	34246078	35238769	261.967	270.959
29)	L6 AR-1254-4	7.369	6.465	34017428	23090909	274.698	272.930
30)	L6 AR-1254-5	7.785	6.883	29284530	30214333	258.327	264.854

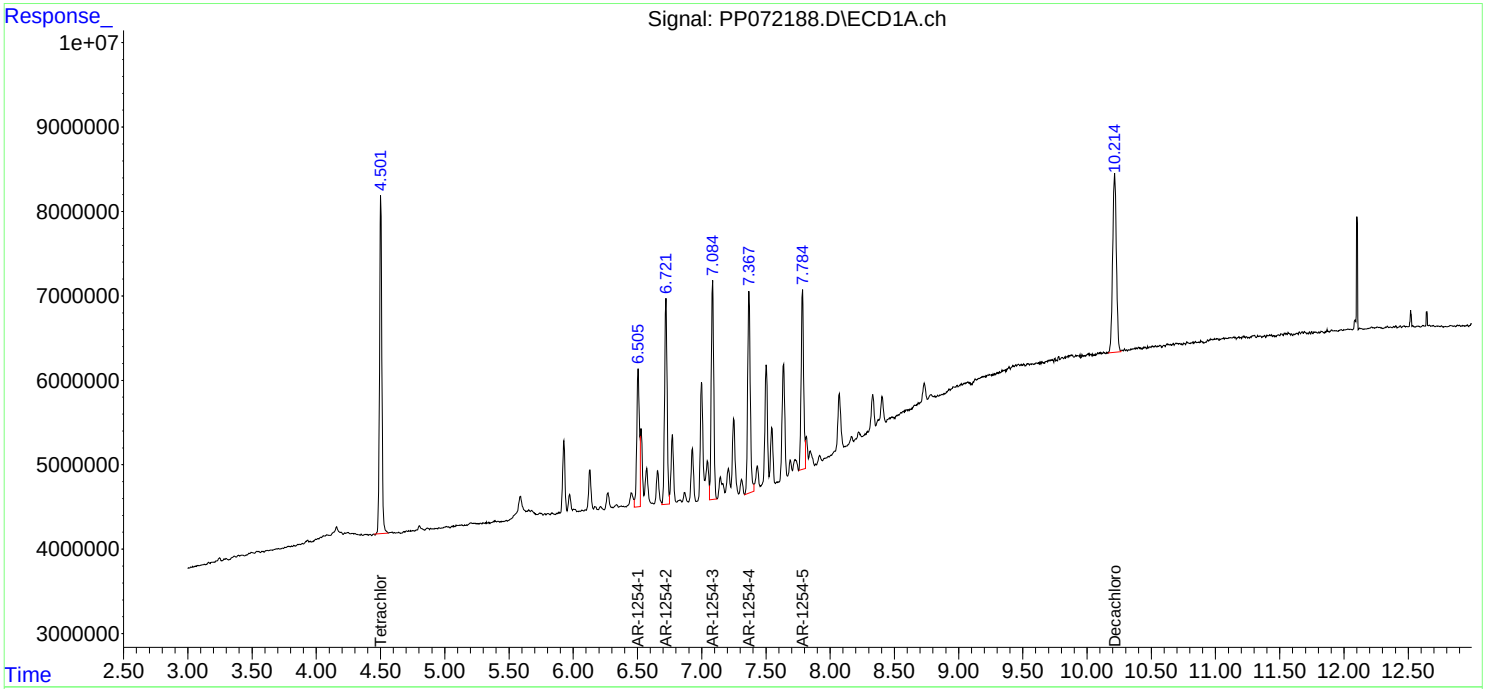
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

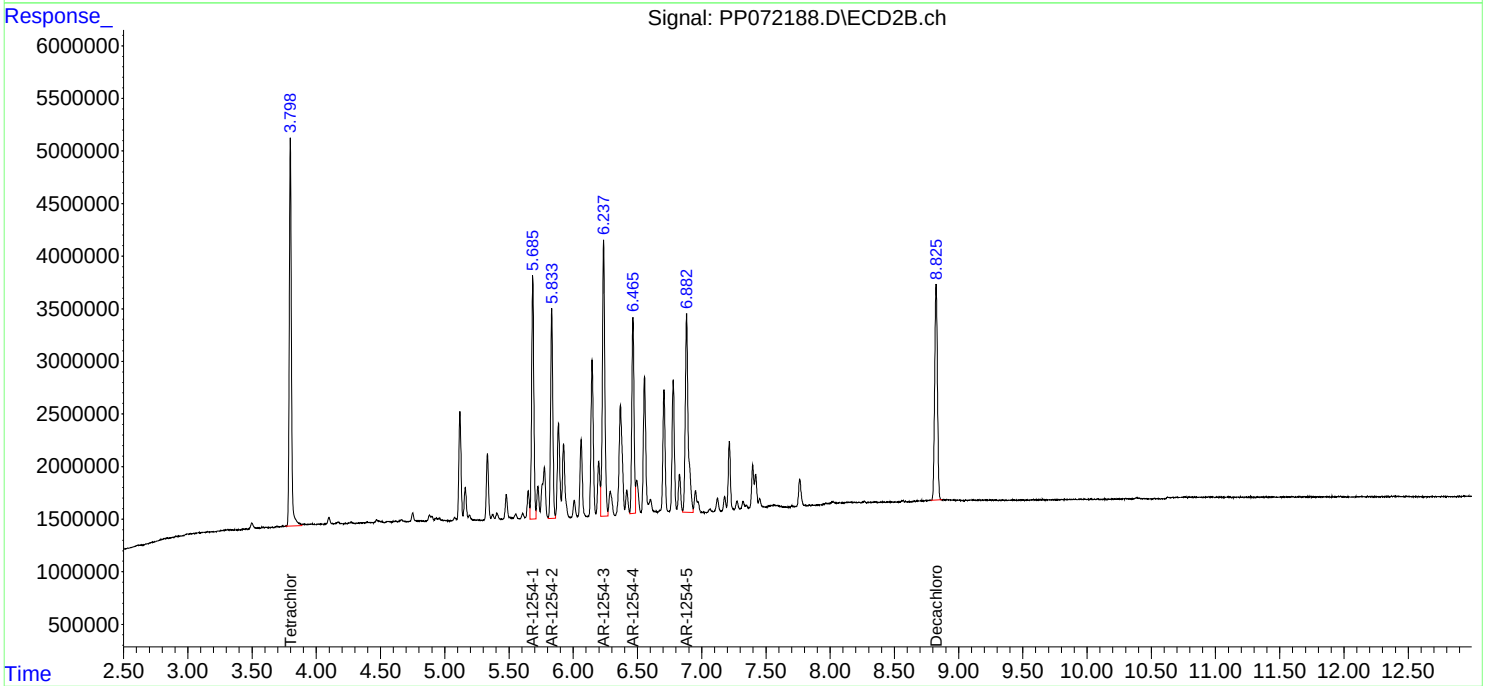
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:31
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

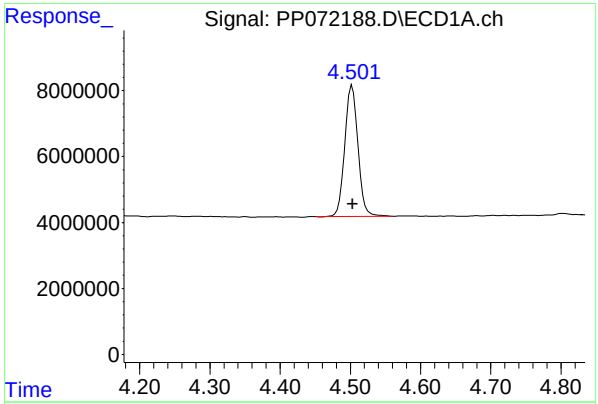
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



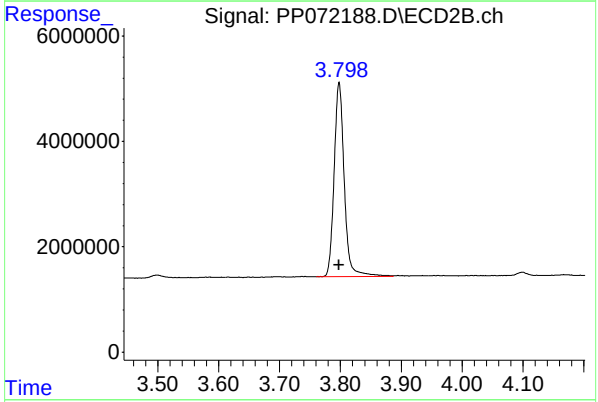




#1 Tetrachloro-m-xylene

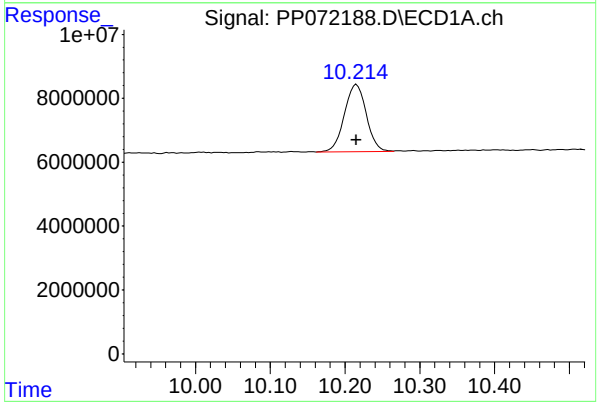
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 51747510
Conc: 26.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



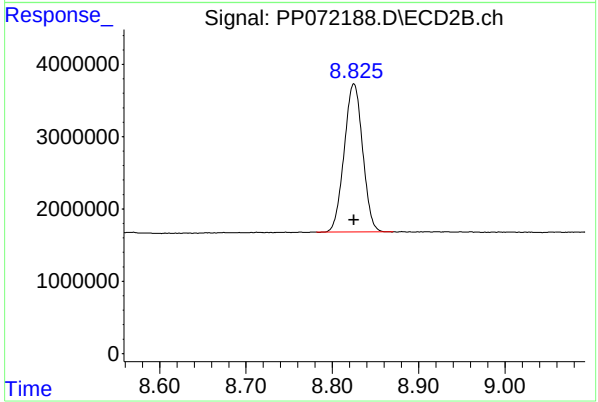
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 42581151
Conc: 25.59 ng/ml



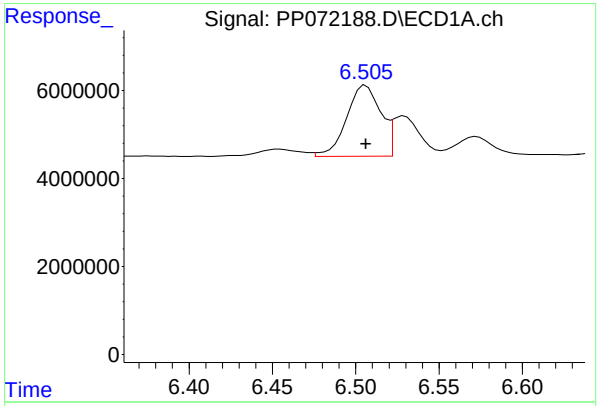
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 42700529
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

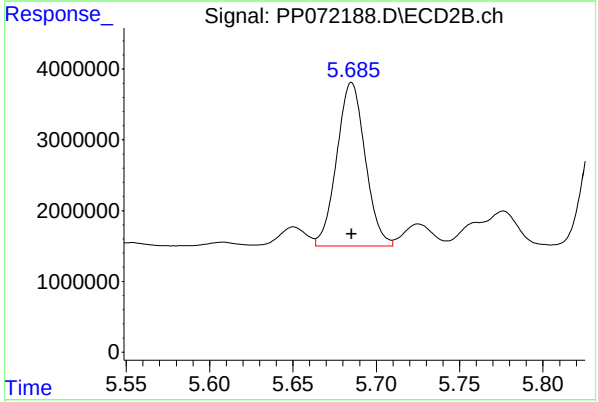
R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 30290967
Conc: 27.22 ng/ml



#26 AR-1254-1

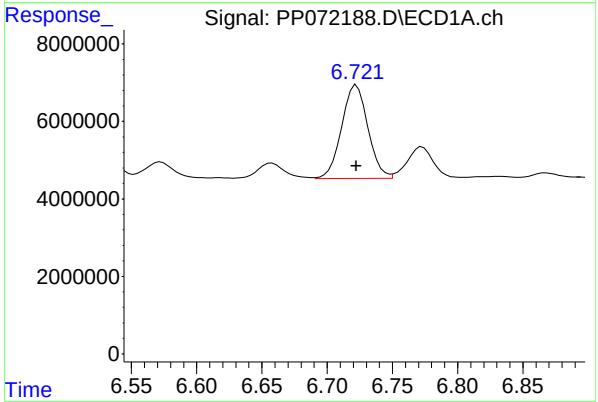
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 22921007
Conc: 268.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



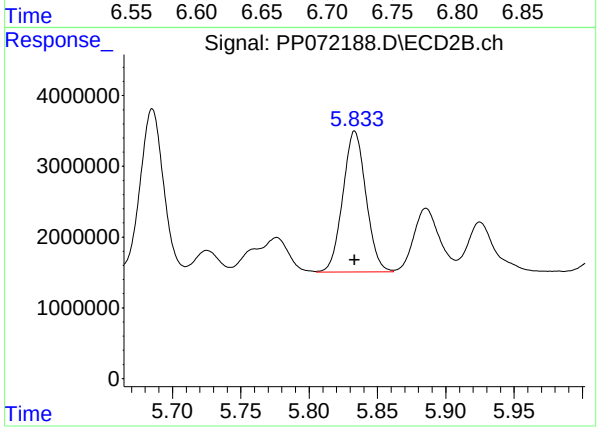
#26 AR-1254-1

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 27395223
Conc: 278.43 ng/ml



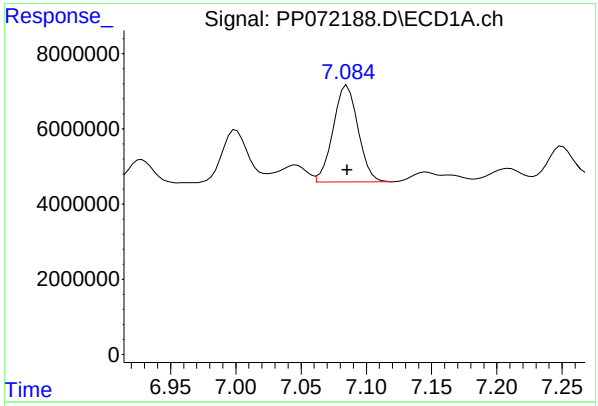
#27 AR-1254-2

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 33636773
Conc: 263.48 ng/ml



#27 AR-1254-2

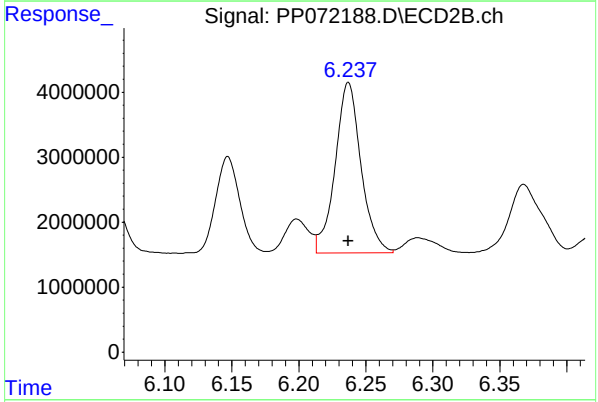
R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 23446738
Conc: 277.55 ng/ml



#28 AR-1254-3

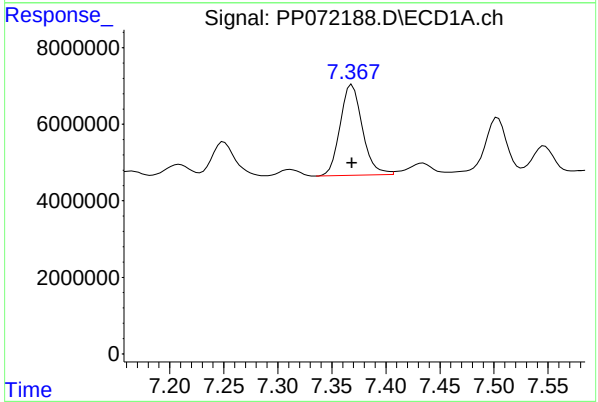
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 34246078
Conc: 261.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



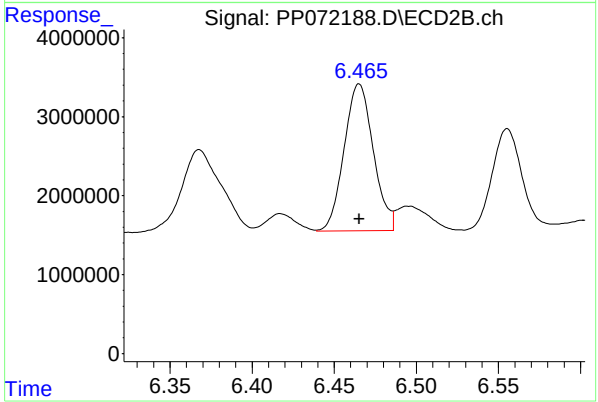
#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 35238769
Conc: 270.96 ng/ml



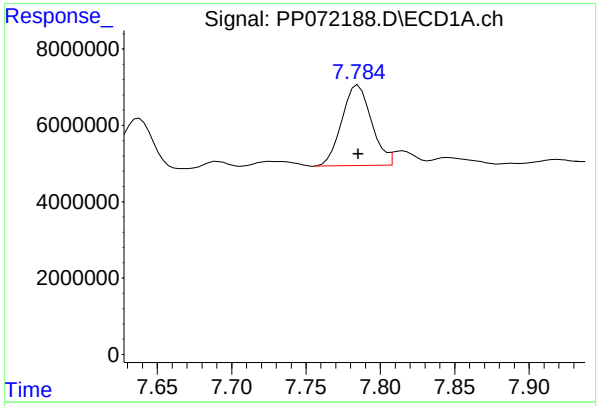
#29 AR-1254-4

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 34017428
Conc: 274.70 ng/ml



#29 AR-1254-4

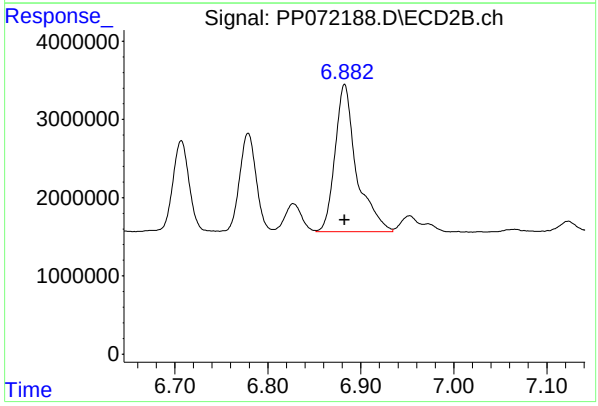
R.T.: 6.465 min
Delta R.T.: 0.000 min
Response: 23090909
Conc: 272.93 ng/ml



#30 AR-1254-5

R.T.: 7.785 min
Delta R.T.: 0.000 min
Response: 29284530
Conc: 258.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 30214333
Conc: 264.85 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.797	8087682	6971899	4.231m	4.331m
2)	SA Decachlor...	10.218	8.826	7375422	5691115	4.574	5.091
	Target Compounds						
26)	L6 AR-1254-1	6.507	5.686	4441722	5310413	51.935m	53.128
27)	L6 AR-1254-2	6.724	5.834	7137094	4681467	54.616	54.242
28)	L6 AR-1254-3	7.088	6.237	6855410	6144757	51.934	47.774
29)	L6 AR-1254-4	7.370	6.466	7860526	4403320	60.049m	52.100m
30)	L6 AR-1254-5	7.788	6.883	5139236	5522061	46.197	48.716

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

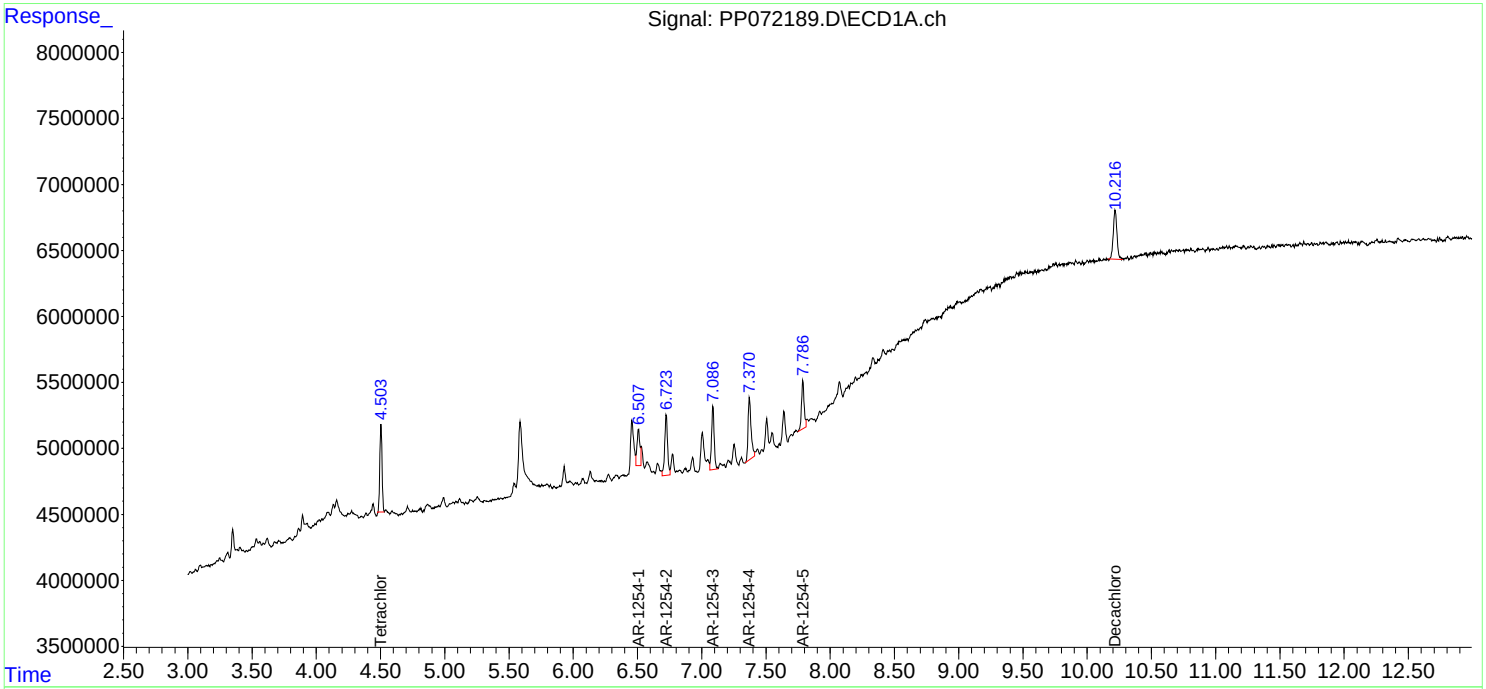
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

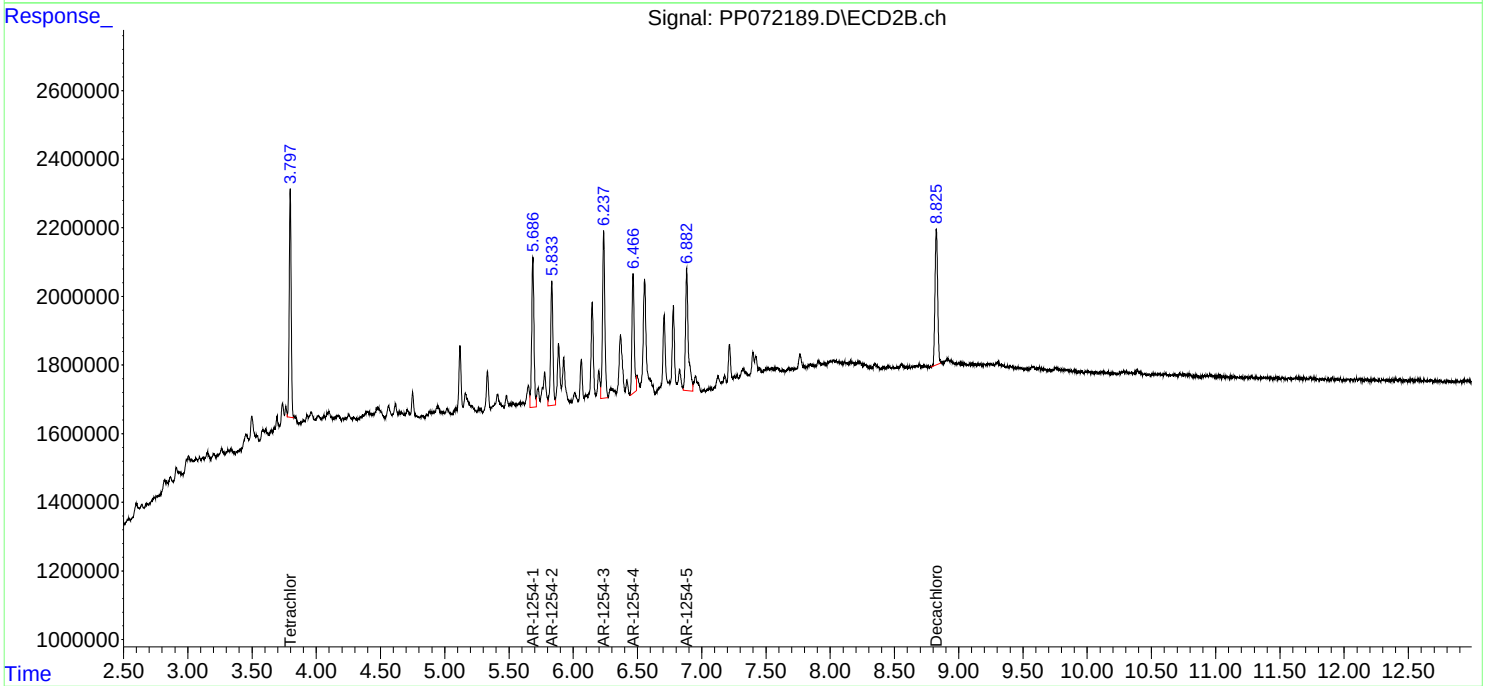
Manual Integrations APPROVED

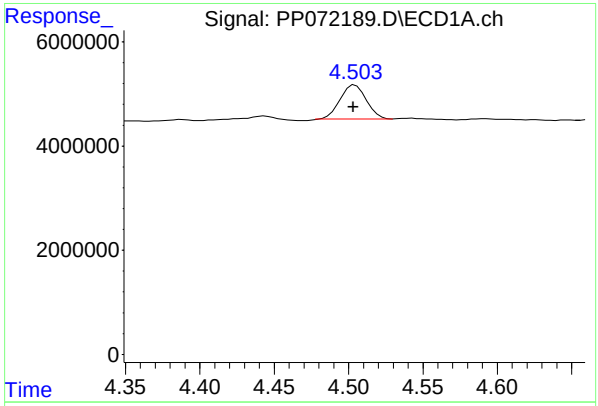
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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







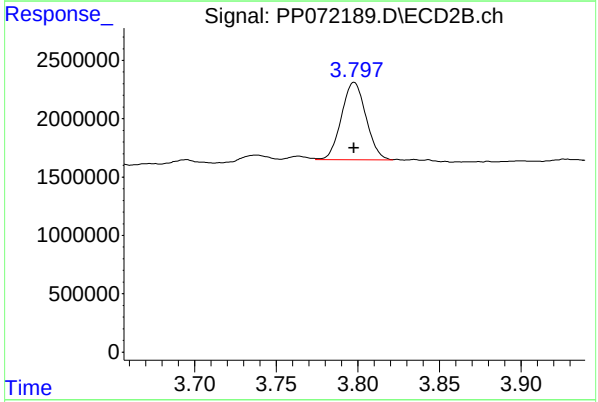
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.000 mi
Response: 8087682
Conc: 4.23 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

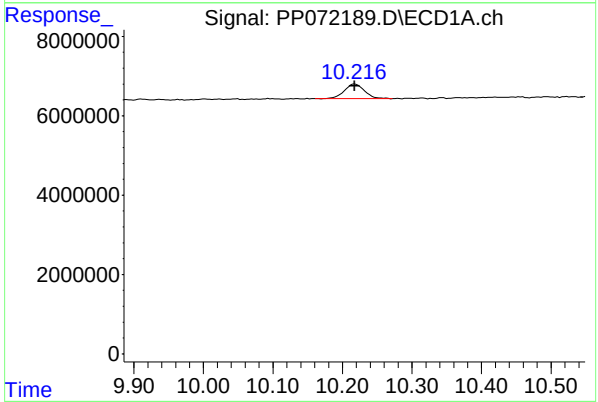
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



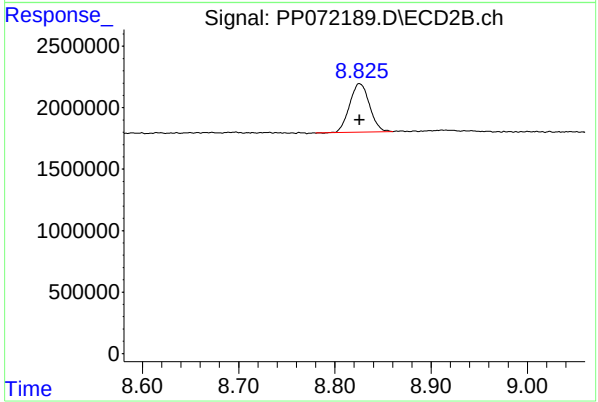
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 6971899
Conc: 4.33 ng/ml m



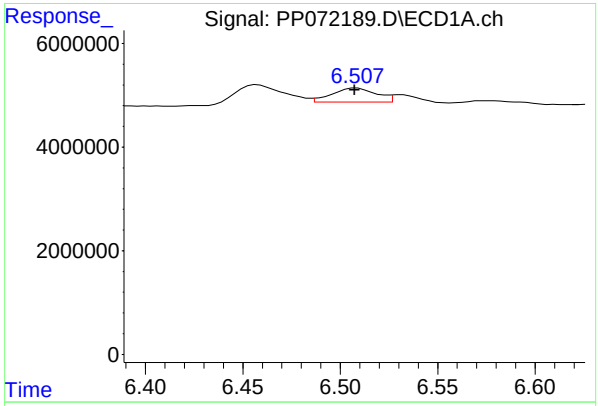
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 7375422
Conc: 4.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 5691115
Conc: 5.09 ng/ml



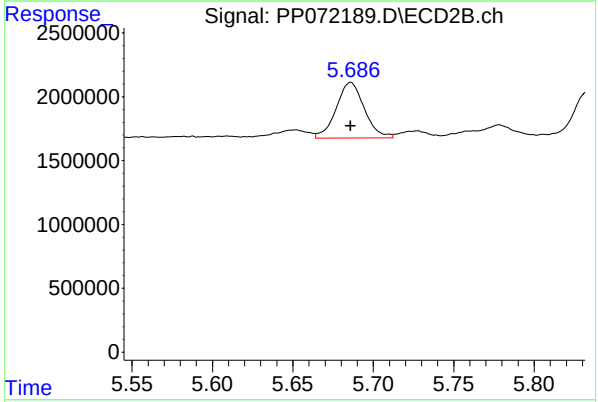
#26 AR-1254-1

R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 4441722
Conc: 51.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

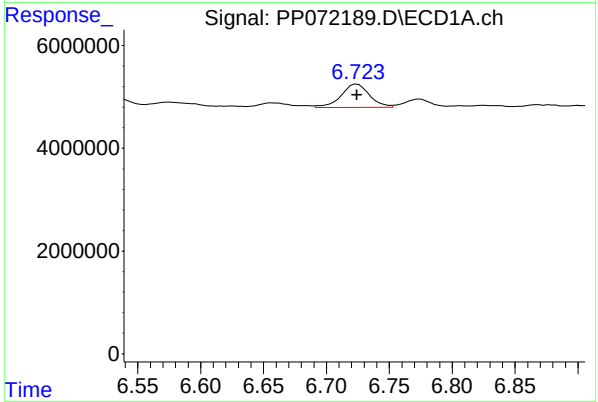
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



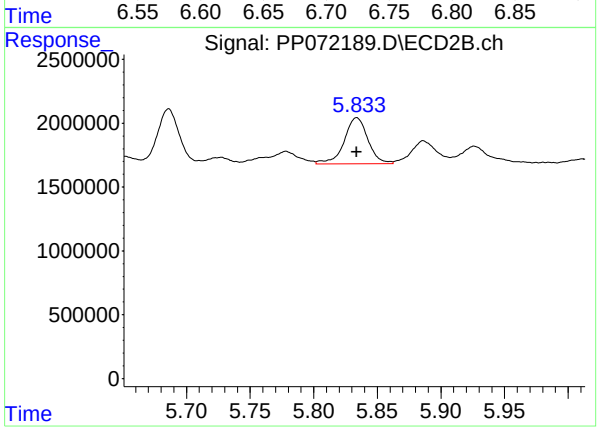
#26 AR-1254-1

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 5310413
Conc: 53.13 ng/ml



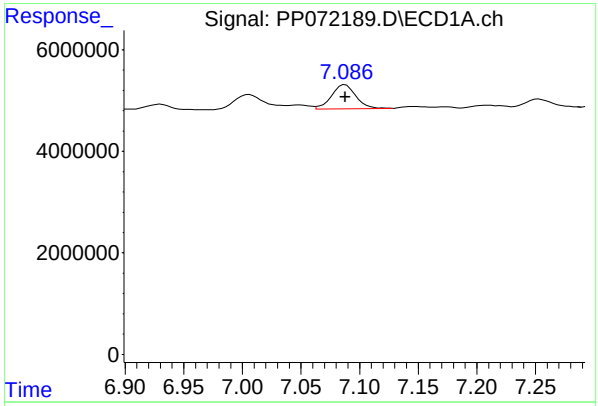
#27 AR-1254-2

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 7137094
Conc: 54.62 ng/ml



#27 AR-1254-2

R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 4681467
Conc: 54.24 ng/ml



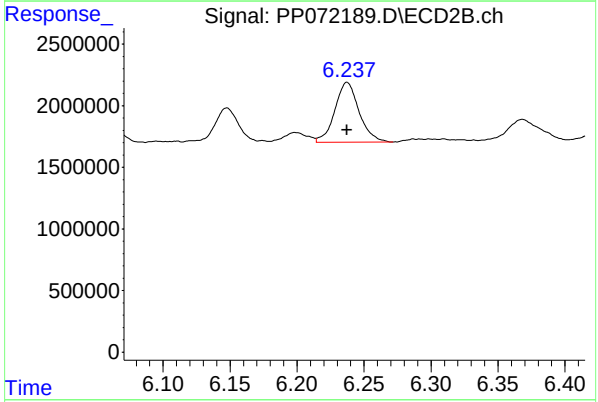
#28 AR-1254-3

R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 6855410
Conc: 51.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

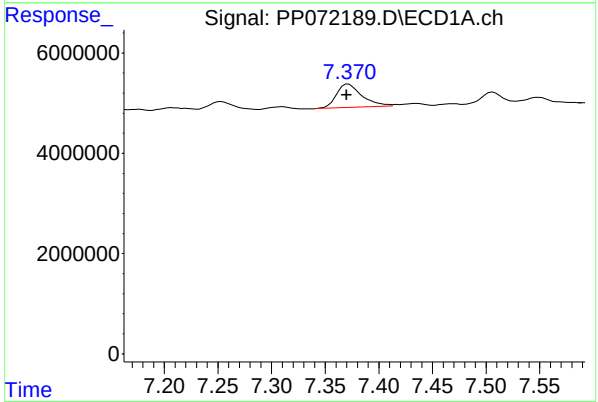
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



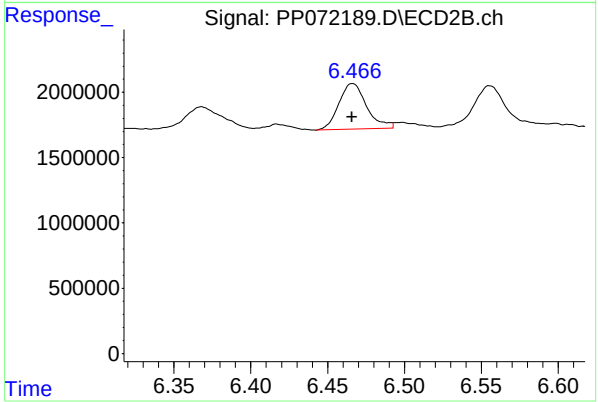
#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 6144757
Conc: 47.77 ng/ml



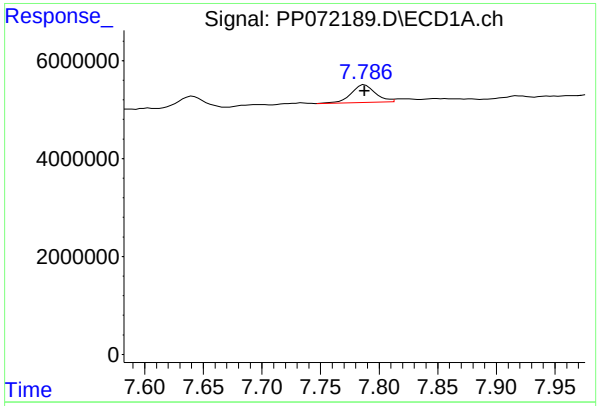
#29 AR-1254-4

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 7860526
Conc: 60.05 ng/ml m



#29 AR-1254-4

R.T.: 6.466 min
Delta R.T.: 0.000 min
Response: 4403320
Conc: 52.10 ng/ml m



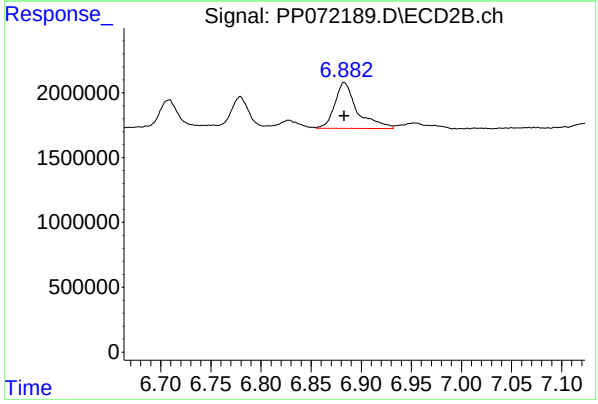
#30 AR-1254-5

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 5139236
Conc: 46.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 5522061
Conc: 48.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:51:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 02:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.798	91392014	72543788	50.000	50.000
2)	SA Decachlor...	10.218	8.826	79498650	53689400	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.088	6.920	66622555	56514187	500.000	500.000
37)	L8 AR-1262-2	8.408	7.179	136.2E6	48563462	500.000	500.000
38)	L8 AR-1262-3	8.724	7.703	92764853	40765600	500.000	500.000
39)	L8 AR-1262-4	8.809	7.767	67140472	70312088	500.000	500.000
40)	L8 AR-1262-5	9.464	8.267	46230270	32541912	500.000	500.000

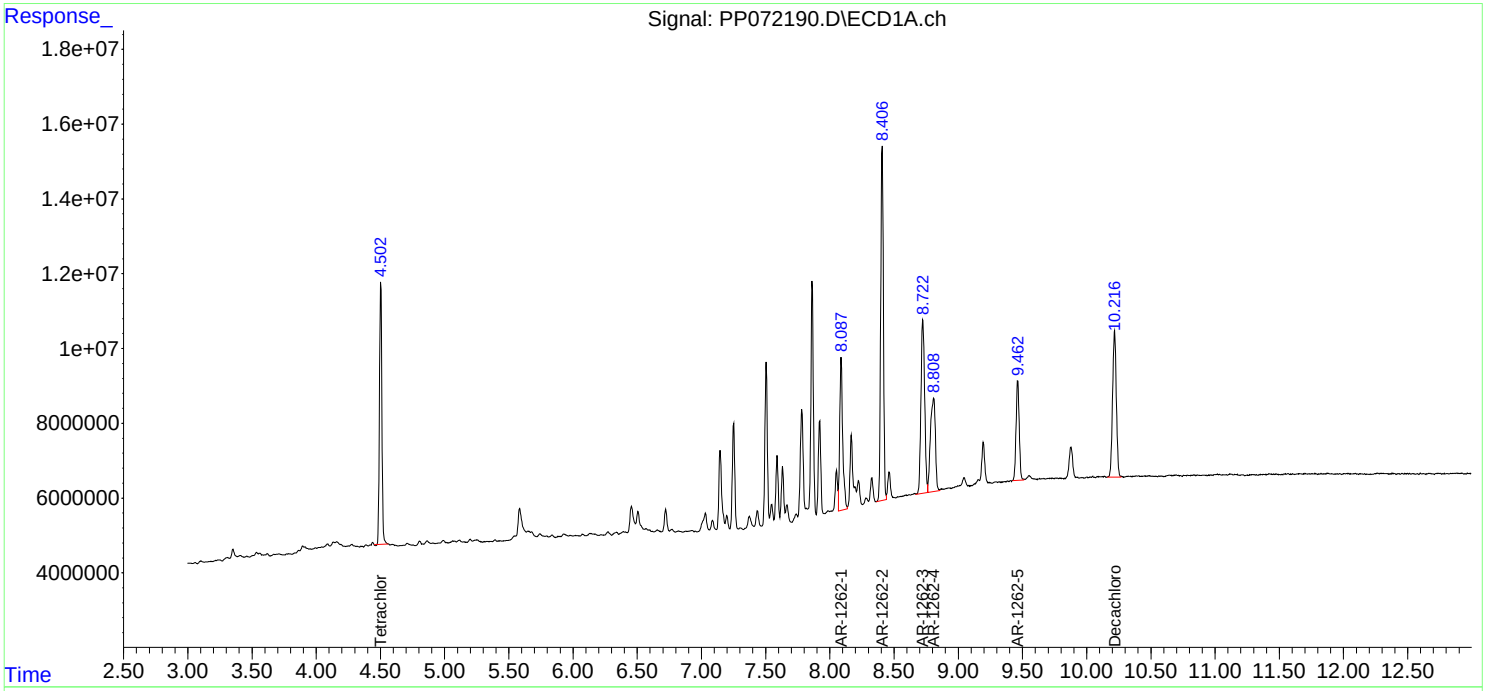
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

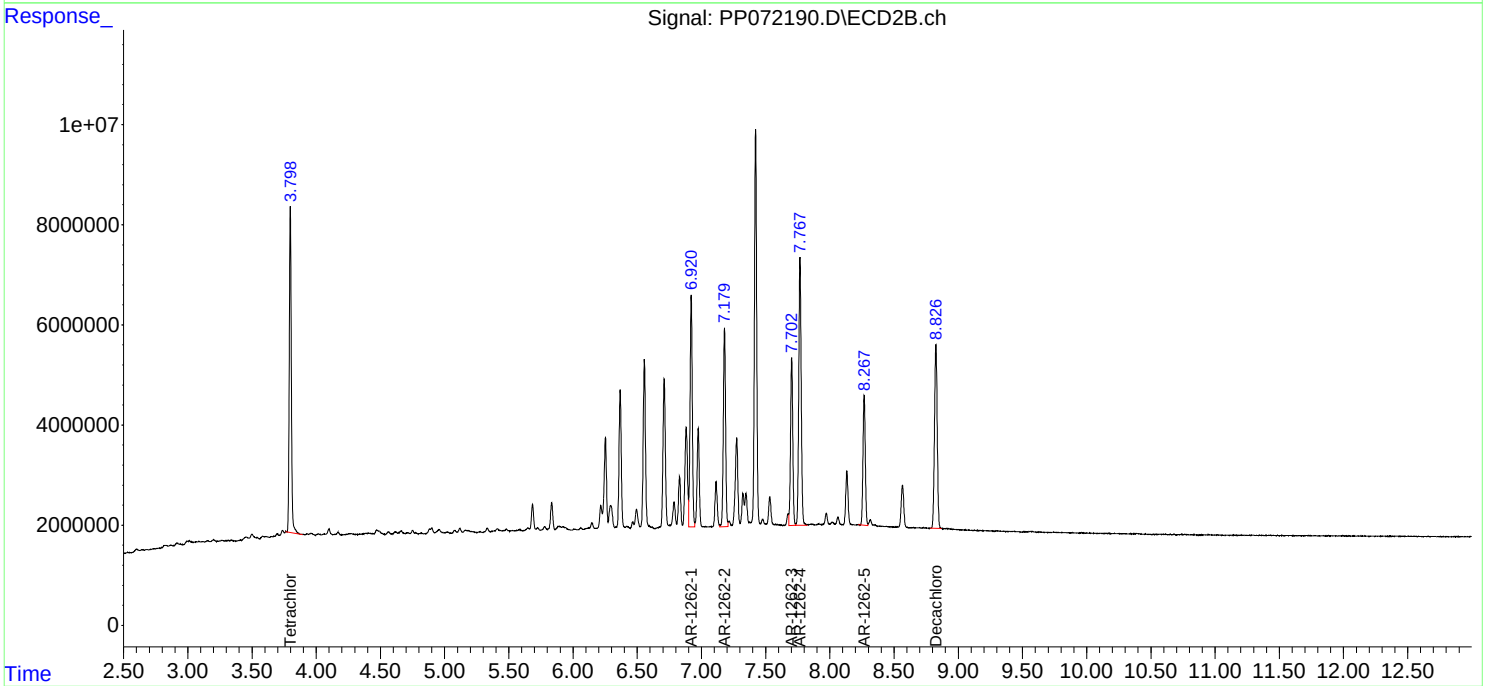
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

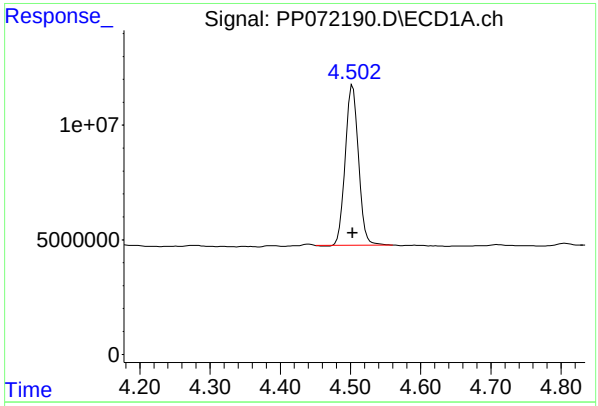
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:51:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 02:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



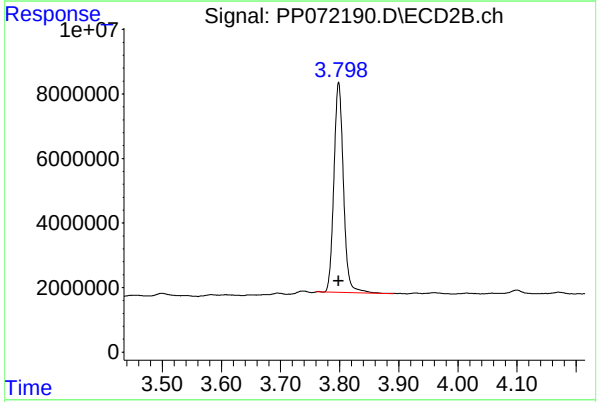




#1 Tetrachloro-m-xylene

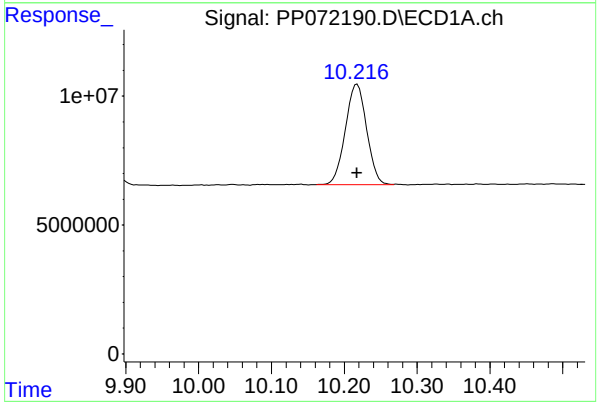
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 91392014
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



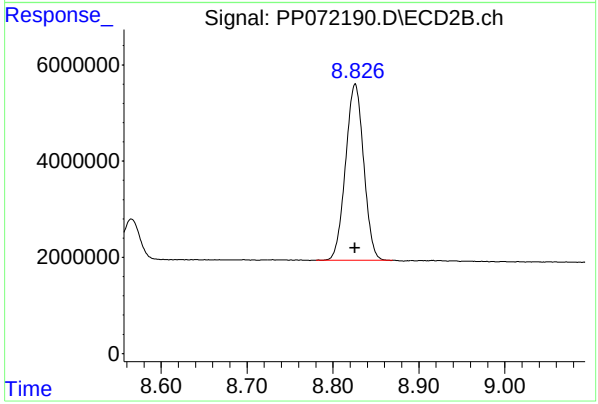
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 72543788
Conc: 50.00 ng/ml



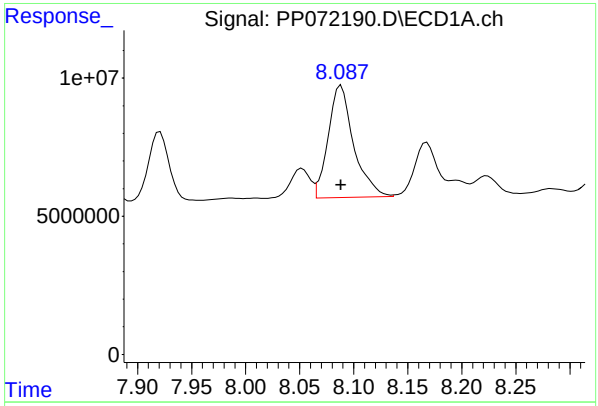
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 79498650
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

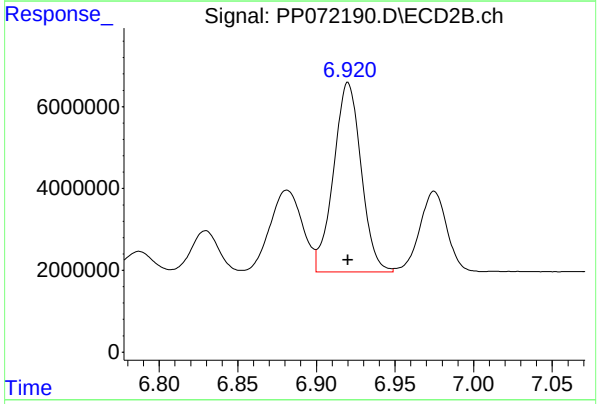
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 53689400
Conc: 50.00 ng/ml



#36 AR-1262-1

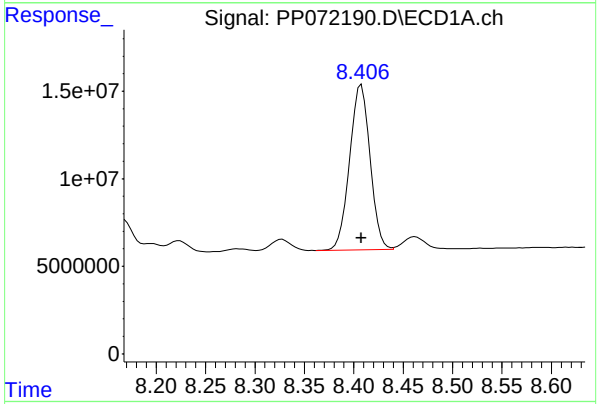
R.T.: 8.088 min
Delta R.T.: 0.000 min
Response: 66622555
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



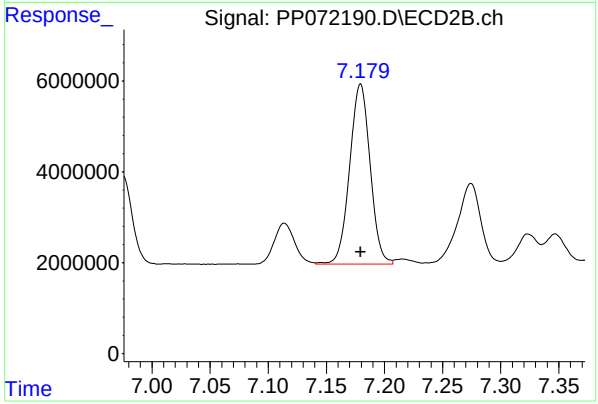
#36 AR-1262-1

R.T.: 6.920 min
Delta R.T.: 0.000 min
Response: 56514187
Conc: 500.00 ng/ml



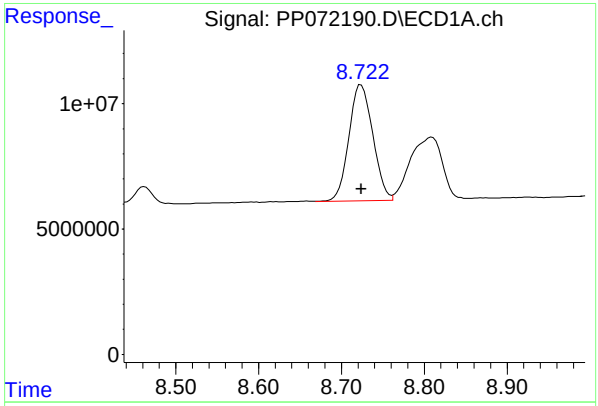
#37 AR-1262-2

R.T.: 8.408 min
Delta R.T.: 0.000 min
Response: 136192585
Conc: 500.00 ng/ml



#37 AR-1262-2

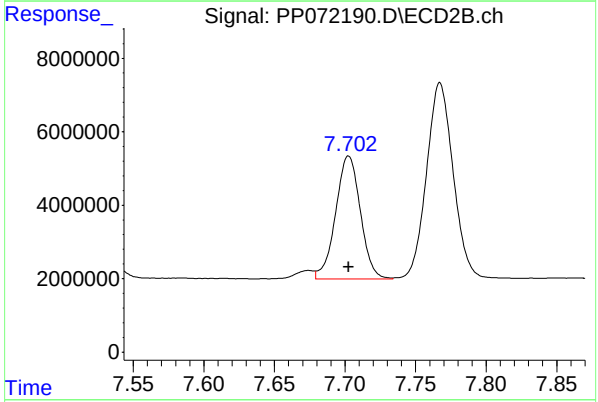
R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 48563462
Conc: 500.00 ng/ml



#38 AR-1262-3

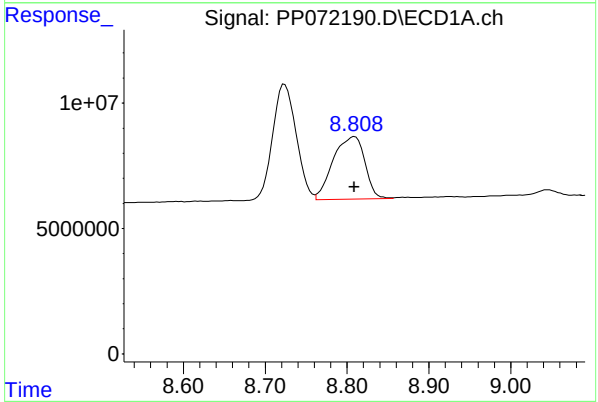
R.T.: 8.724 min
Delta R.T.: 0.000 min
Response: 92764853
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



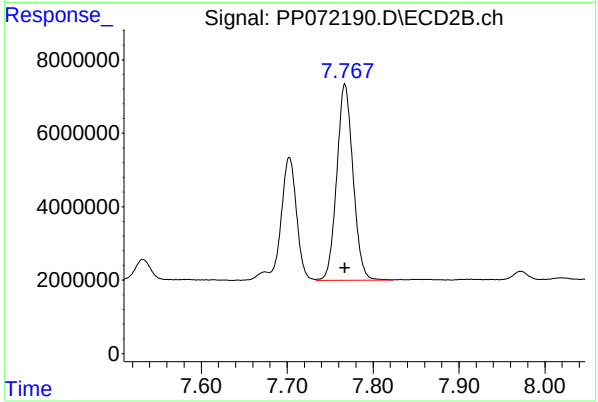
#38 AR-1262-3

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 40765600
Conc: 500.00 ng/ml



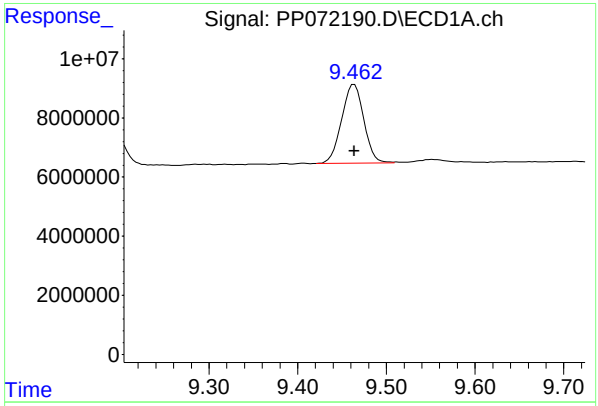
#39 AR-1262-4

R.T.: 8.809 min
Delta R.T.: 0.000 min
Response: 67140472
Conc: 500.00 ng/ml



#39 AR-1262-4

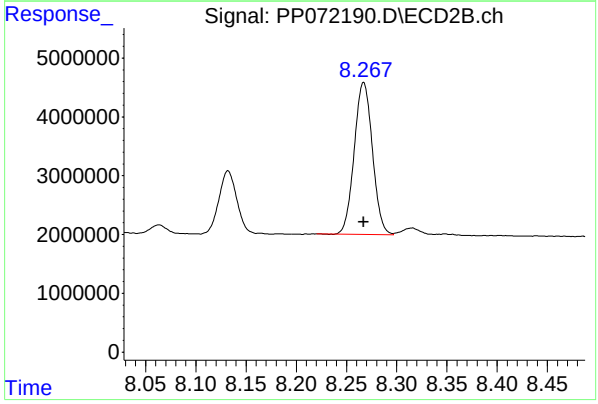
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 70312088
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.464 min
Delta R.T.: 0.000 min
Response: 46230270
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 32541912
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:20
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.501	3.797	185.0E6	158.2E6	92.680	95.879
2)	SA Decachlor...	10.215	8.825	273.4E6	175.4E6	93.047	92.198
	Target Compounds						
41)	L9 AR-1268-1	8.718	7.702	315.7E6	212.6E6	935.036	901.670
42)	L9 AR-1268-2	8.810	7.768	265.9E6	188.5E6	932.233	904.684
43)	L9 AR-1268-3	9.041	7.971	228.0E6	155.2E6	921.986	888.508
44)	L9 AR-1268-4	9.460	8.265	101.4E6	67370219	939.092	900.009
45)	L9 AR-1268-5	9.876	8.565	651.5E6	431.1E6	948.441	943.171

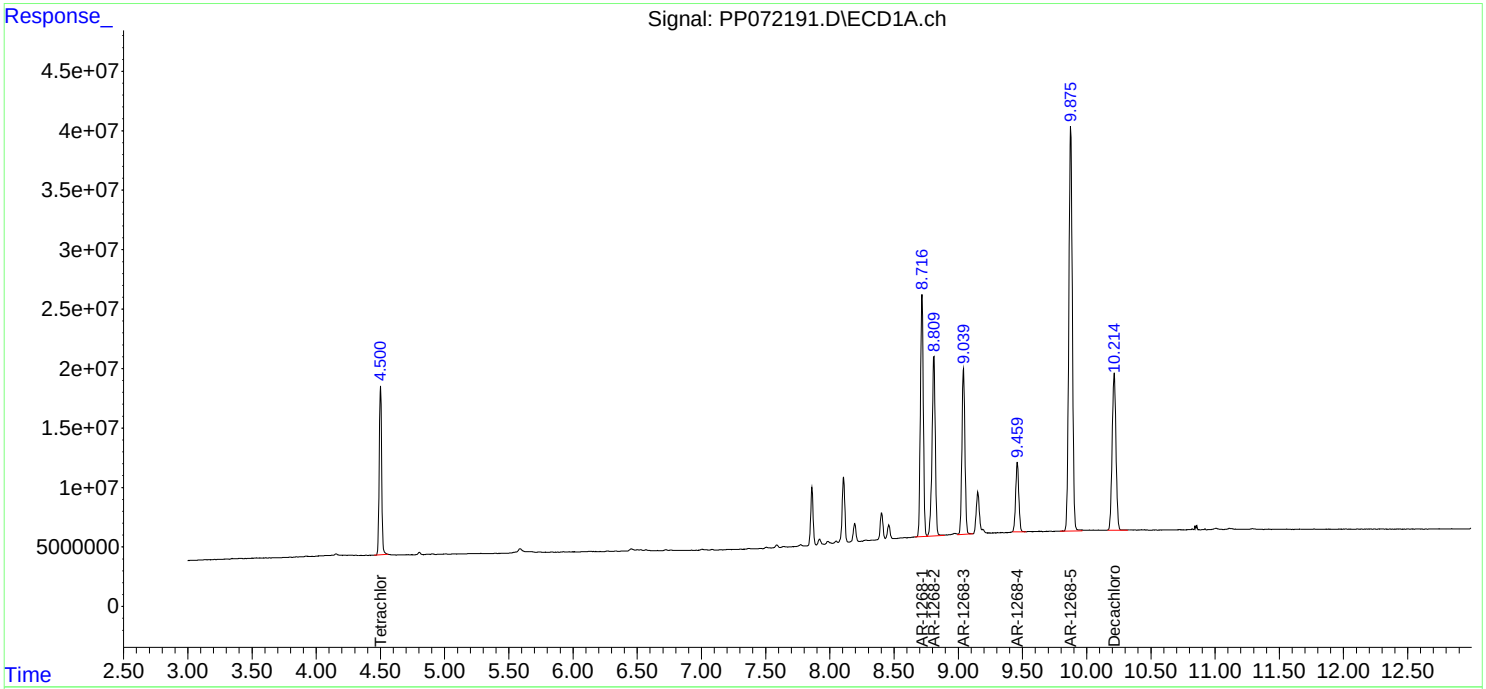
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

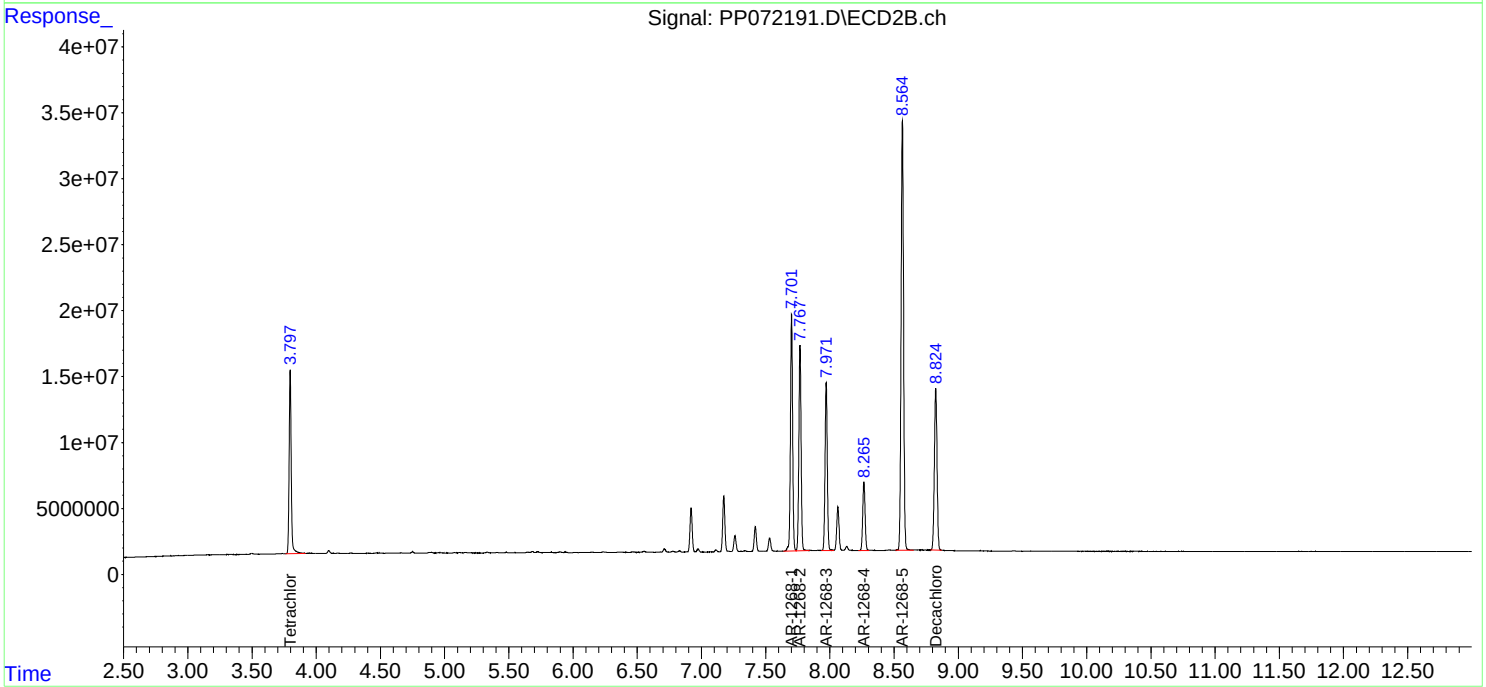
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:20
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

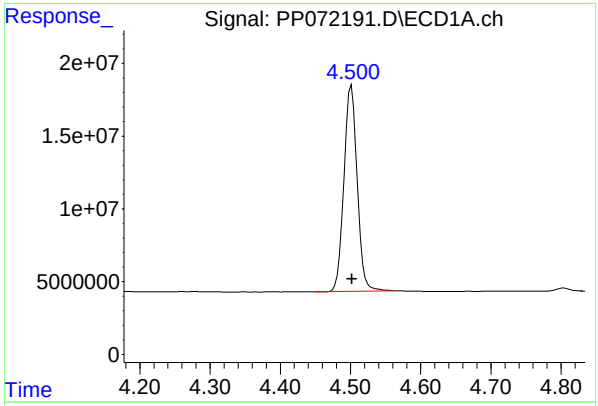
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



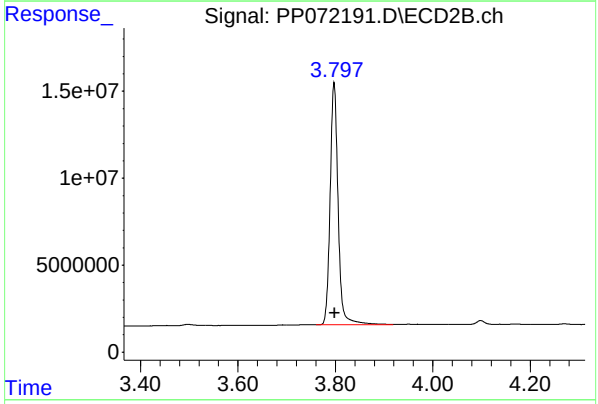




#1 Tetrachloro-m-xylene

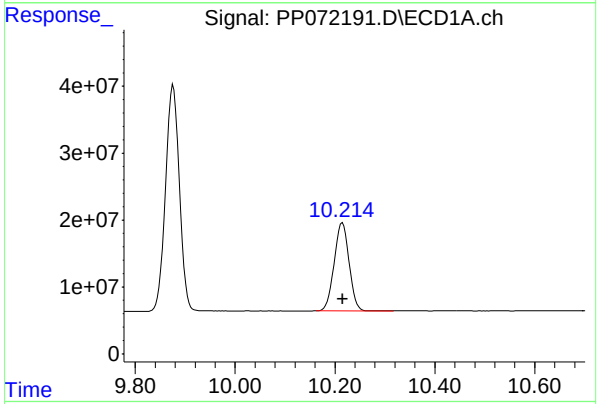
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 184961800
Conc: 92.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



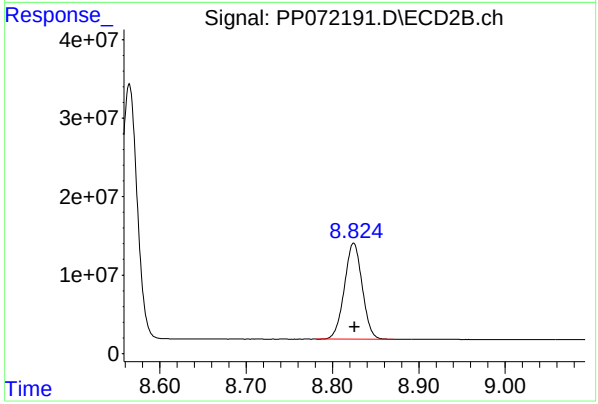
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.001 min
Response: 158165839
Conc: 95.88 ng/ml



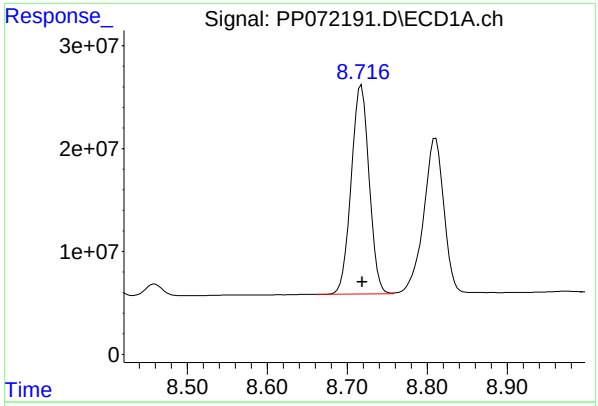
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 273368545
Conc: 93.05 ng/ml



#2 Decachlorobiphenyl

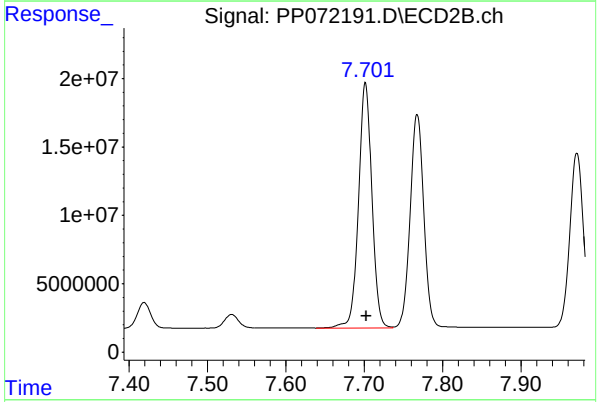
R.T.: 8.825 min
Delta R.T.: -0.001 min
Response: 175397326
Conc: 92.20 ng/ml



#41 AR-1268-1

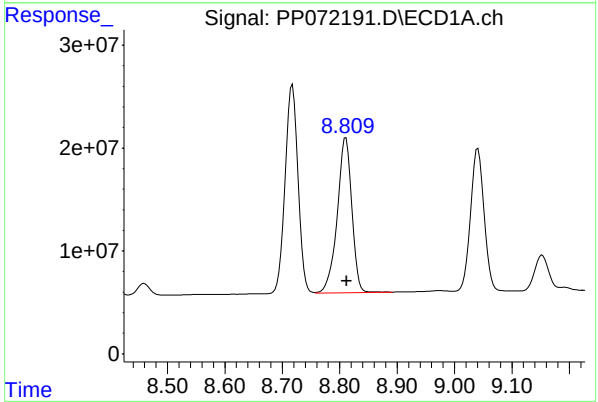
R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 315692357
Conc: 935.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



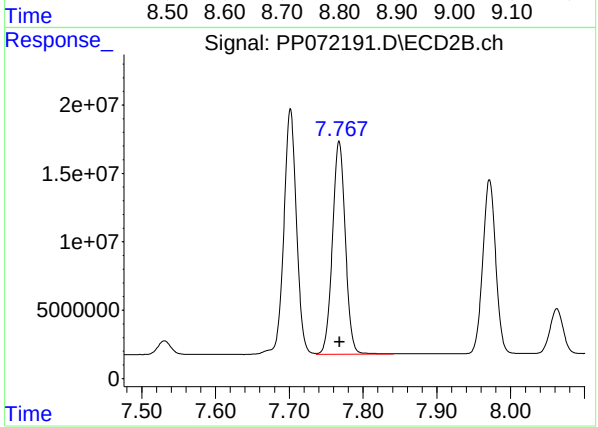
#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: -0.001 min
Response: 212587803
Conc: 901.67 ng/ml



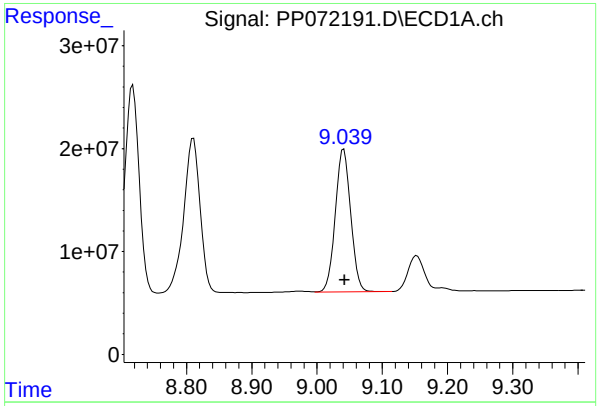
#42 AR-1268-2

R.T.: 8.810 min
Delta R.T.: -0.001 min
Response: 265886956
Conc: 932.23 ng/ml



#42 AR-1268-2

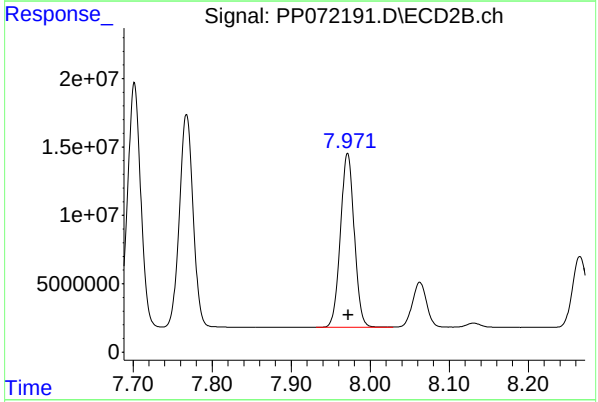
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 188526781
Conc: 904.68 ng/ml



#43 AR-1268-3

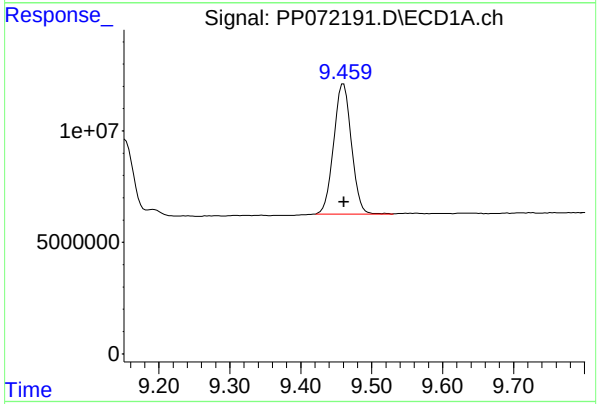
R.T.: 9.041 min
Delta R.T.: -0.001 min
Response: 227961300
Conc: 921.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



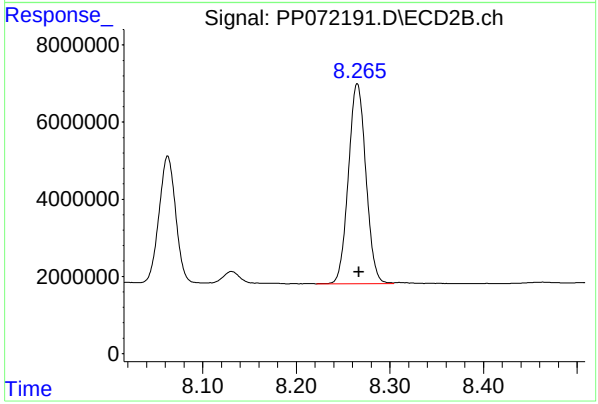
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 155195263
Conc: 888.51 ng/ml



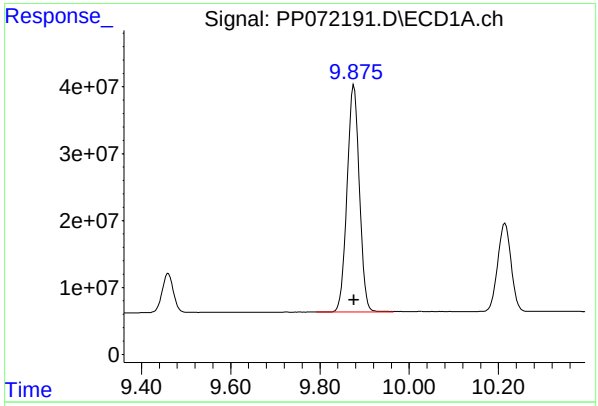
#44 AR-1268-4

R.T.: 9.460 min
Delta R.T.: 0.000 min
Response: 101392203
Conc: 939.09 ng/ml



#44 AR-1268-4

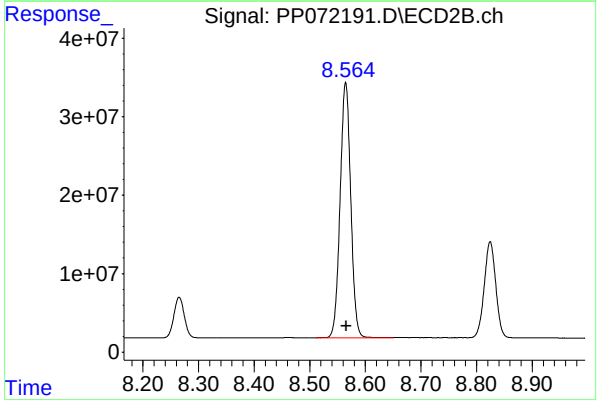
R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 67370219
Conc: 900.01 ng/ml



#45 AR-1268-5

R.T.: 9.876 min
Delta R.T.: 0.000 mi
Response: 651541042
Conc: 948.44 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 431064337
Conc: 943.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.506	3.799	142.5E6	120.3E6	71.406	72.929
2)	SA Decachlor...	10.220	8.826	211.2E6	136.5E6	71.876	71.762
	Target Compounds						
41)	L9 AR-1268-1	8.722	7.704	242.2E6	166.8E6	717.436	707.258
42)	L9 AR-1268-2	8.815	7.770	204.3E6	147.7E6	716.226	708.741
43)	L9 AR-1268-3	9.047	7.973	176.3E6	120.8E6	713.088	691.459
44)	L9 AR-1268-4	9.464	8.267	78574325	53264333	727.753	711.566
45)	L9 AR-1268-5	9.880	8.568	500.4E6	332.1E6	728.402	726.669

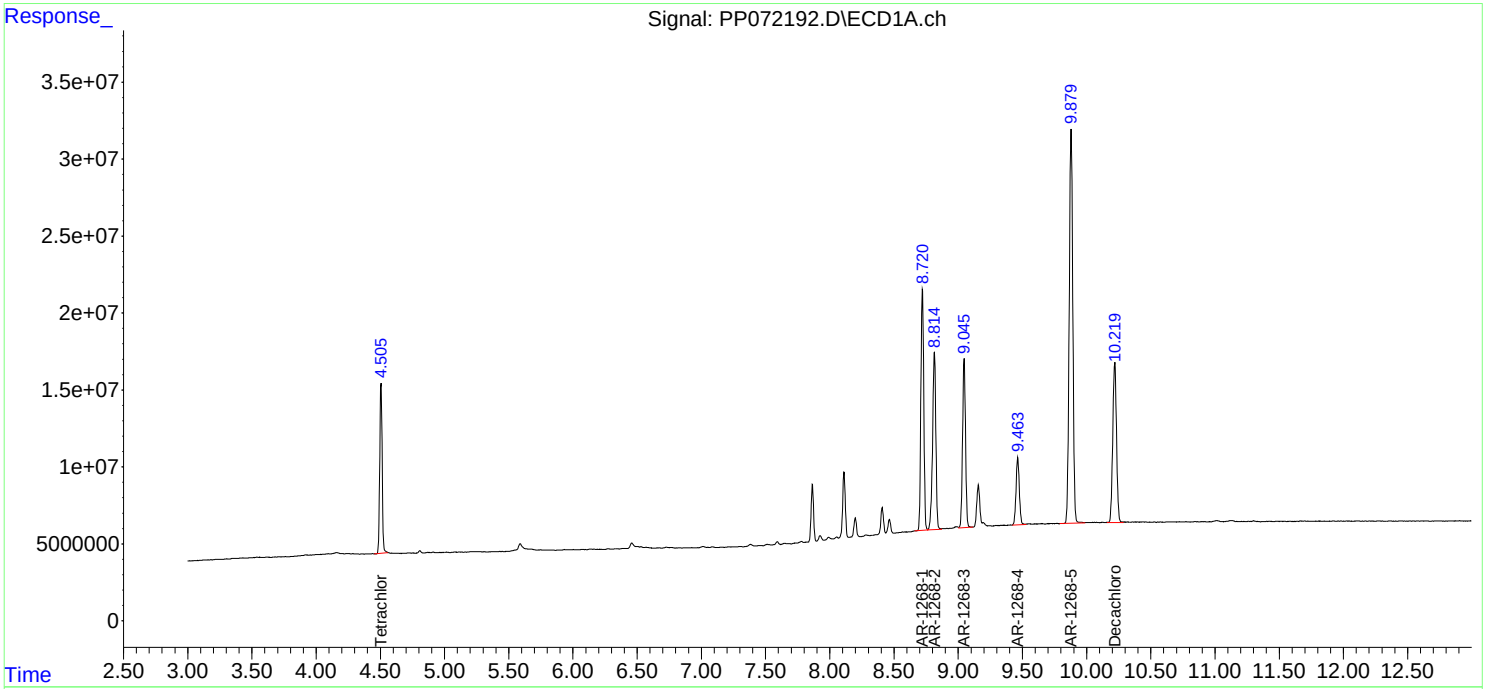
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

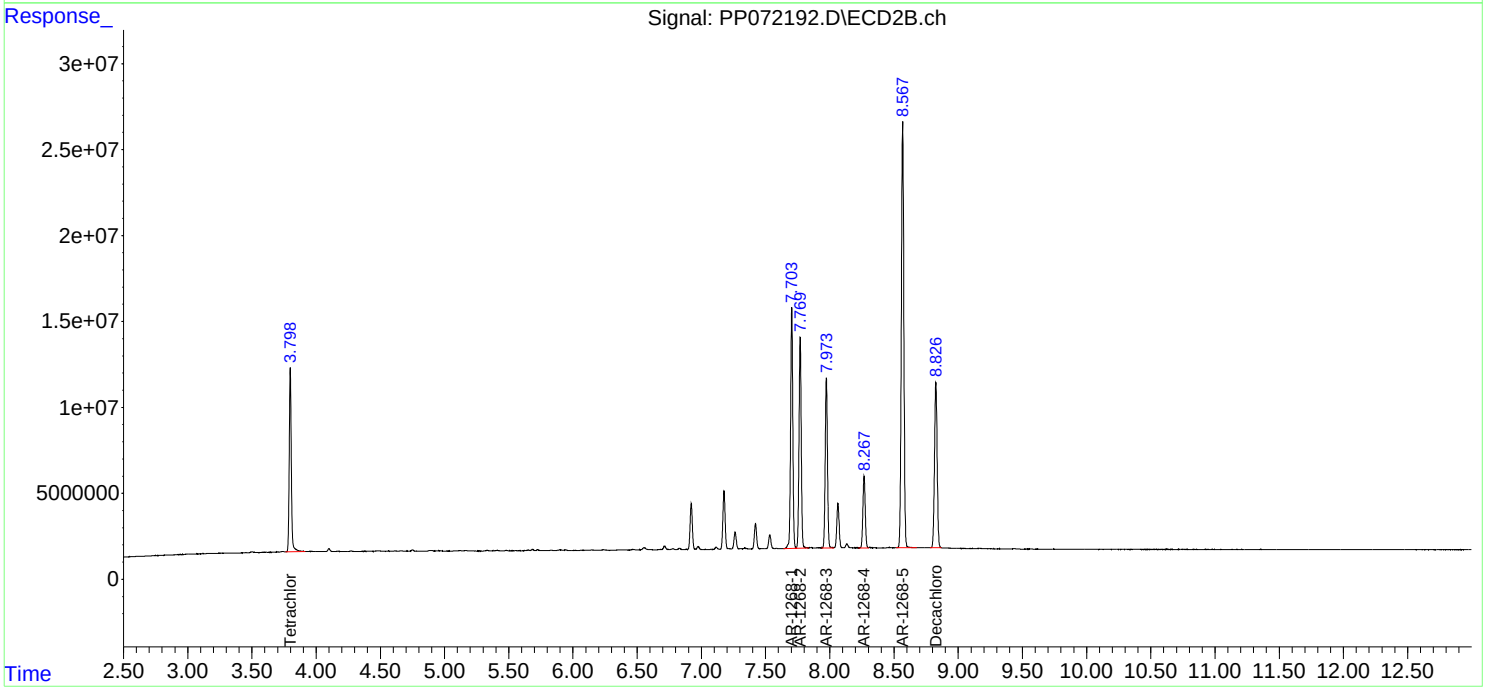
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

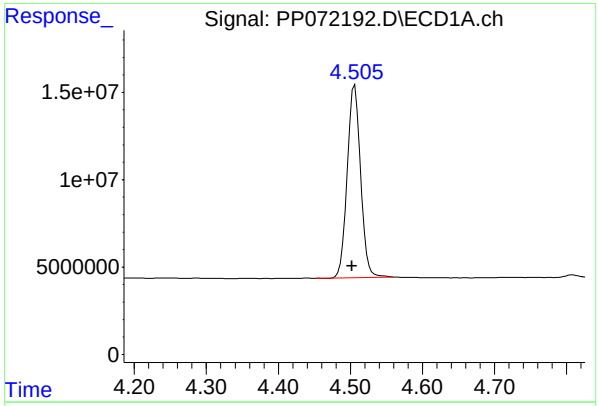
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



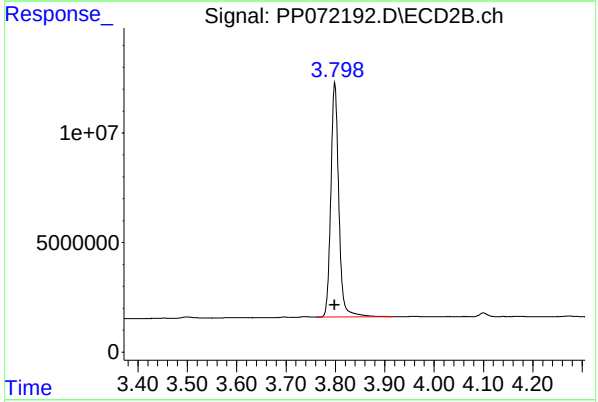




#1 Tetrachloro-m-xylene

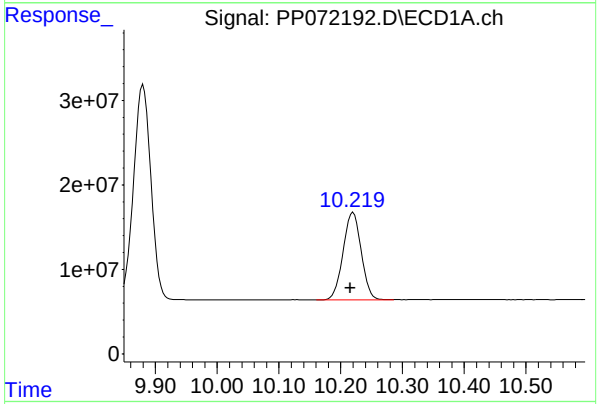
R.T.: 4.506 min
Delta R.T.: 0.004 min
Response: 142504902
Conc: 71.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



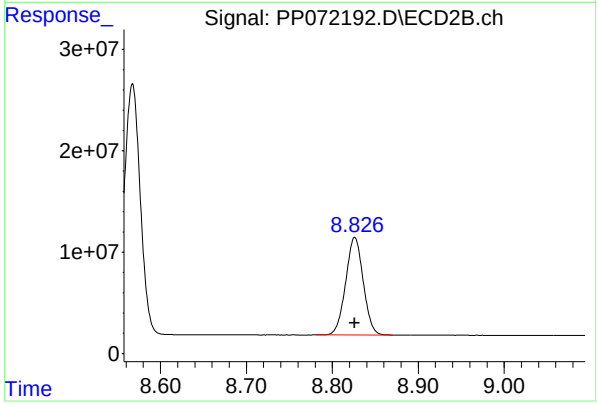
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 120307124
Conc: 72.93 ng/ml



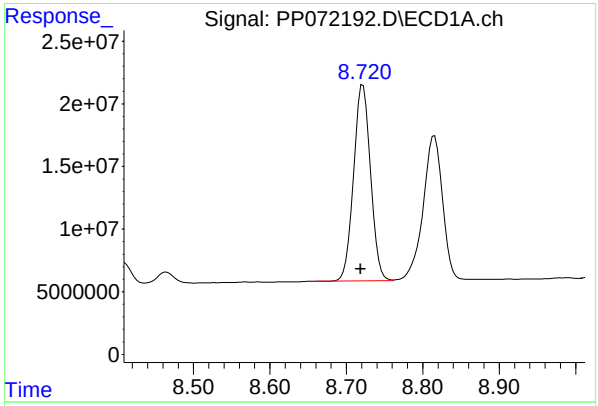
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.005 min
Response: 211169941
Conc: 71.88 ng/ml



#2 Decachlorobiphenyl

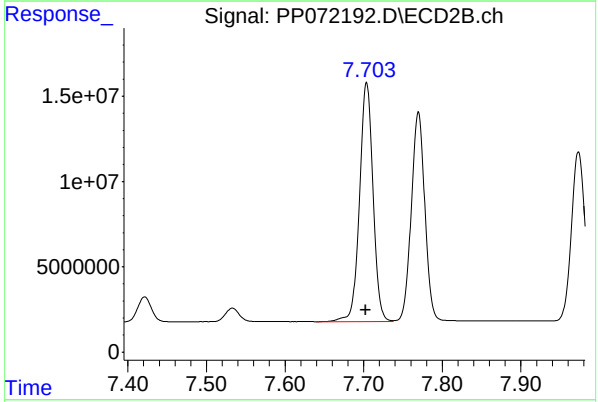
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 136520834
Conc: 71.76 ng/ml



#41 AR-1268-1

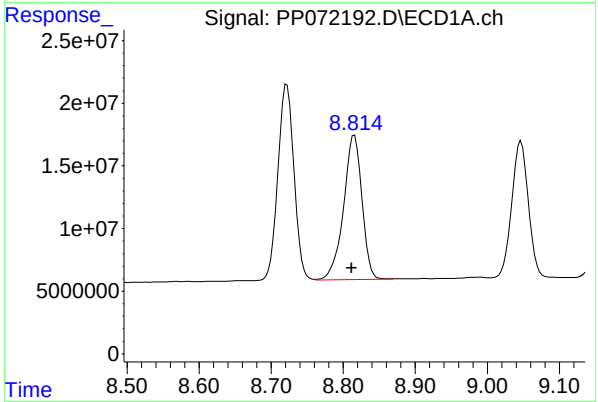
R.T.: 8.722 min
Delta R.T.: 0.003 min
Response: 242225120
Conc: 717.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



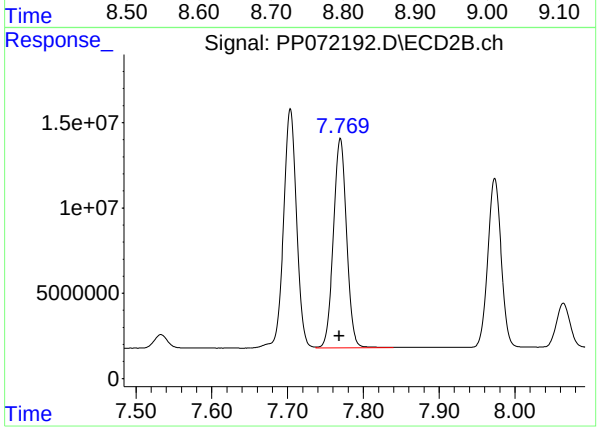
#41 AR-1268-1

R.T.: 7.704 min
Delta R.T.: 0.001 min
Response: 166751127
Conc: 707.26 ng/ml



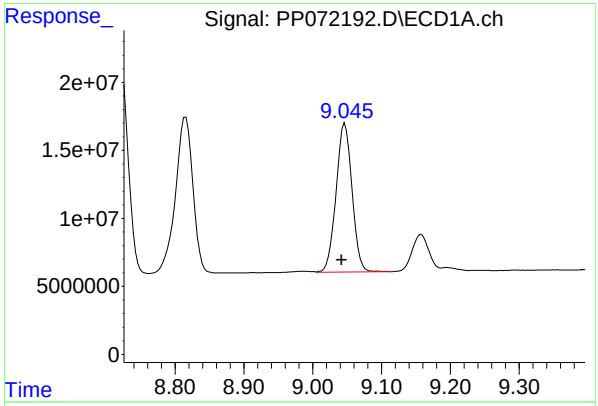
#42 AR-1268-2

R.T.: 8.815 min
Delta R.T.: 0.004 min
Response: 204278488
Conc: 716.23 ng/ml



#42 AR-1268-2

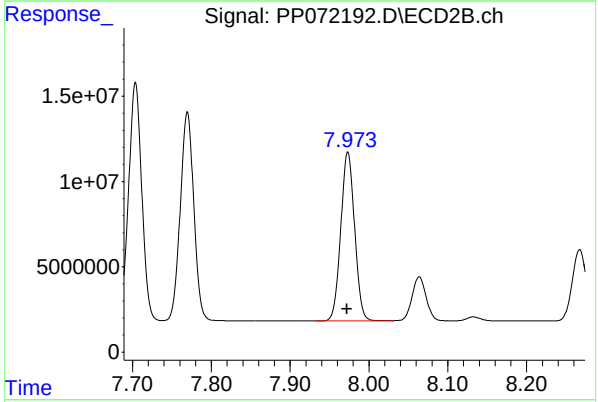
R.T.: 7.770 min
Delta R.T.: 0.001 min
Response: 147694337
Conc: 708.74 ng/ml



#43 AR-1268-3

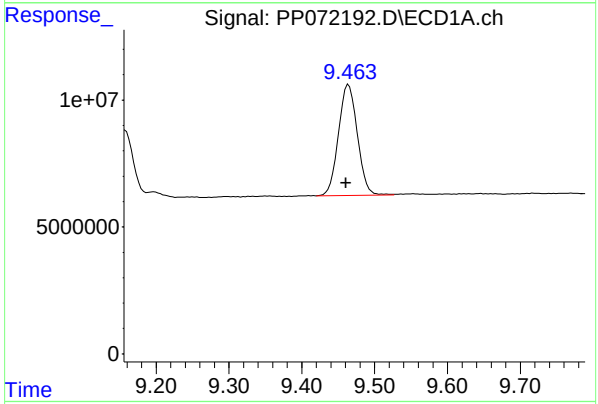
R.T.: 9.047 min
Delta R.T.: 0.005 min
Response: 176311244
Conc: 713.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



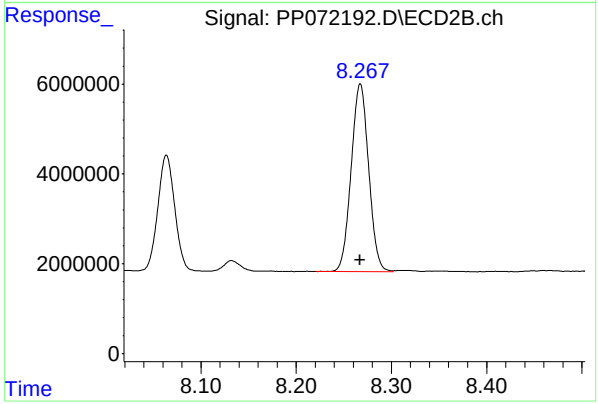
#43 AR-1268-3

R.T.: 7.973 min
Delta R.T.: 0.001 min
Response: 120776777
Conc: 691.46 ng/ml



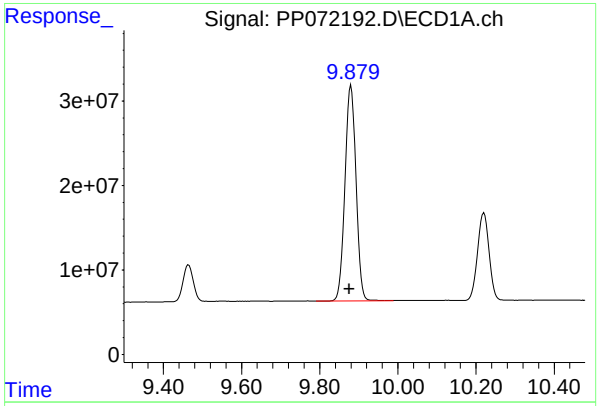
#44 AR-1268-4

R.T.: 9.464 min
Delta R.T.: 0.004 min
Response: 78574325
Conc: 727.75 ng/ml



#44 AR-1268-4

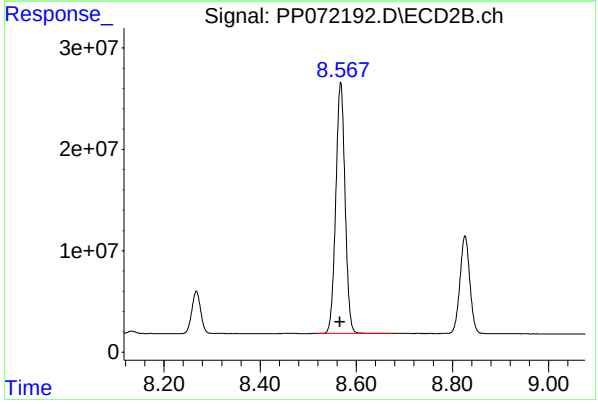
R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 53264333
Conc: 711.57 ng/ml



#45 AR-1268-5

R.T.: 9.880 min
Delta R.T.: 0.004 min
Response: 500382806
Conc: 728.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.568 min
Delta R.T.: 0.001 min
Response: 332114967
Conc: 726.67 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.799	99784961	82481825	50.000	50.000
2)	SA Decachlor...	10.215	8.826	146.9E6	95120098	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.719	7.703	168.8E6	117.9E6	500.000	500.000
42)	L9 AR-1268-2	8.812	7.769	142.6E6	104.2E6	500.000	500.000
43)	L9 AR-1268-3	9.042	7.972	123.6E6	87334730	500.000	500.000
44)	L9 AR-1268-4	9.461	8.267	53984174	37427536	500.000	500.000
45)	L9 AR-1268-5	9.876	8.566	343.5E6	228.5E6	500.000	500.000

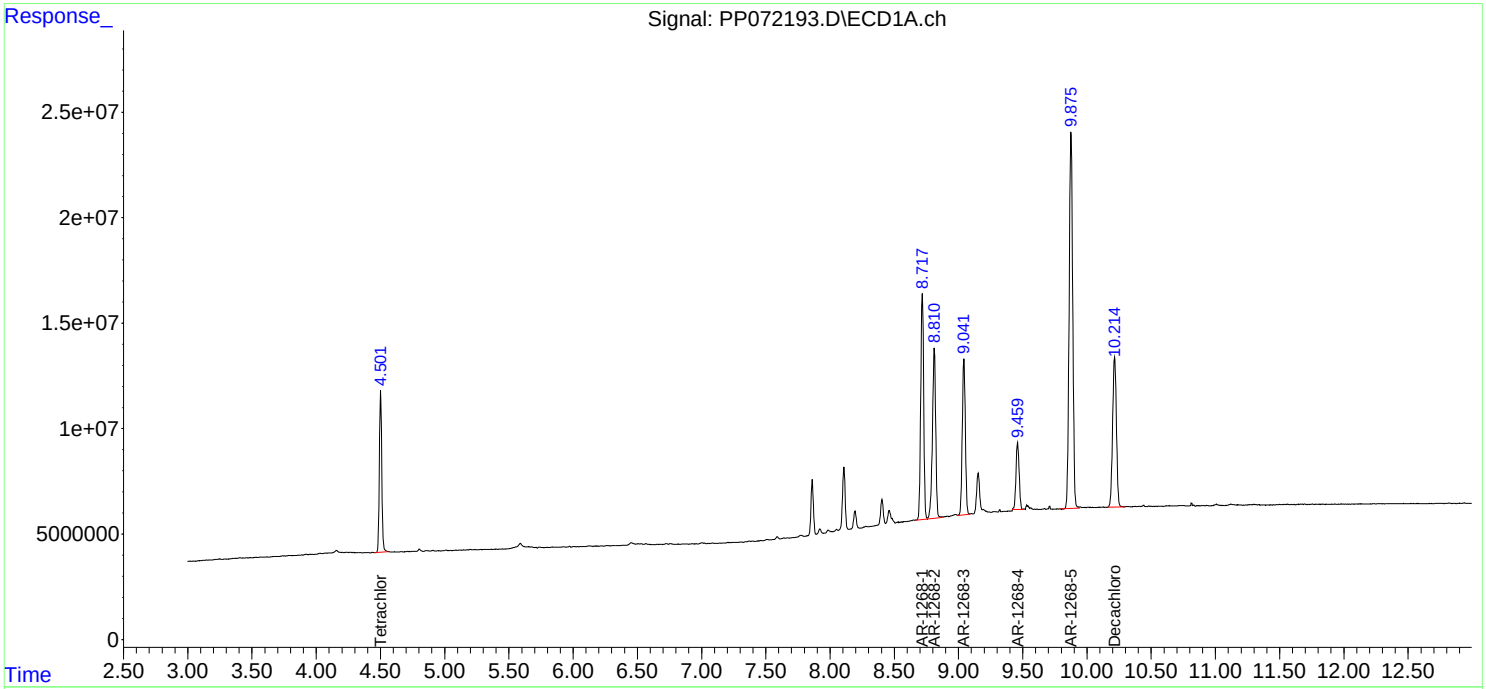
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

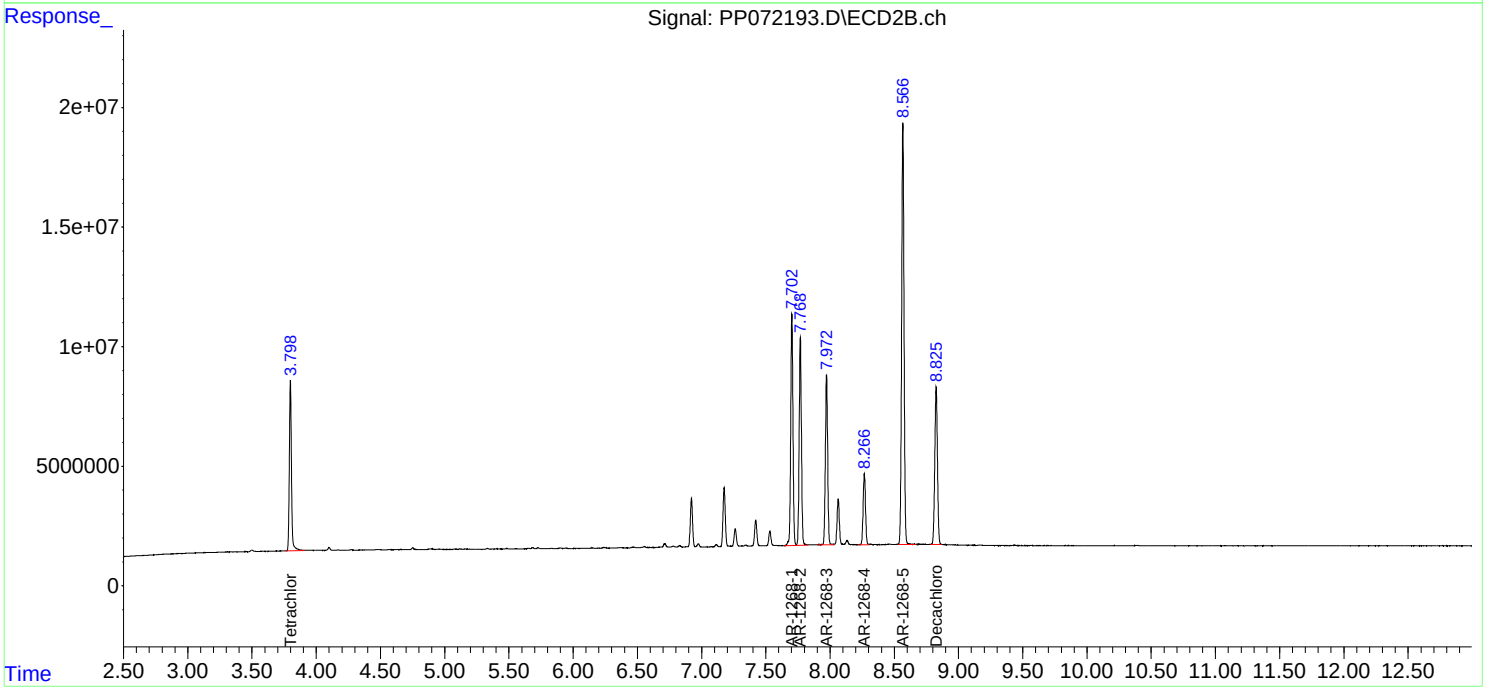
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

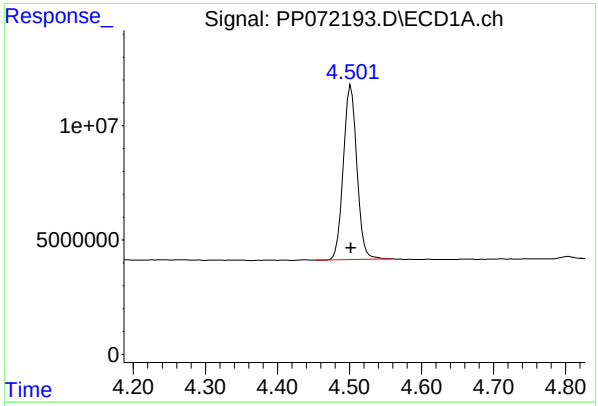
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



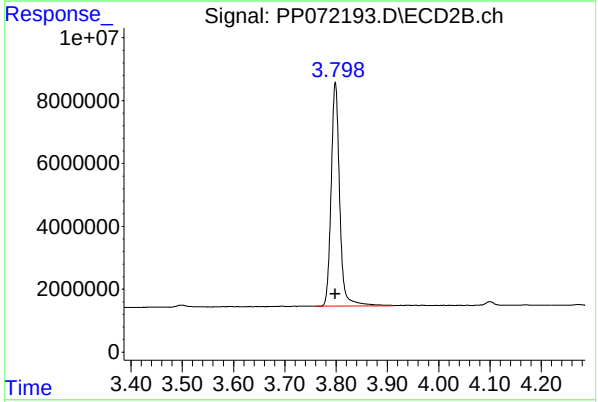




#1 Tetrachloro-m-xylene

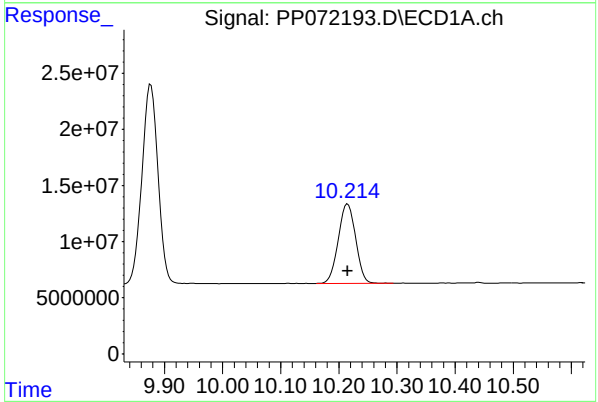
R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 99784961
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



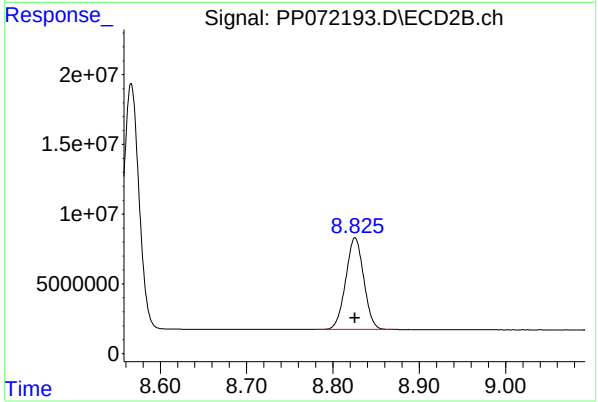
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 82481825
Conc: 50.00 ng/ml



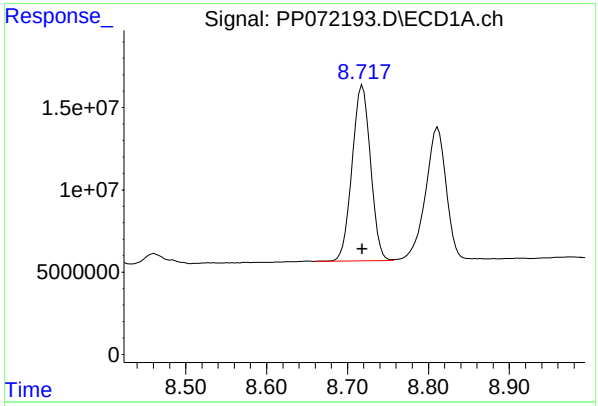
#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 146898335
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

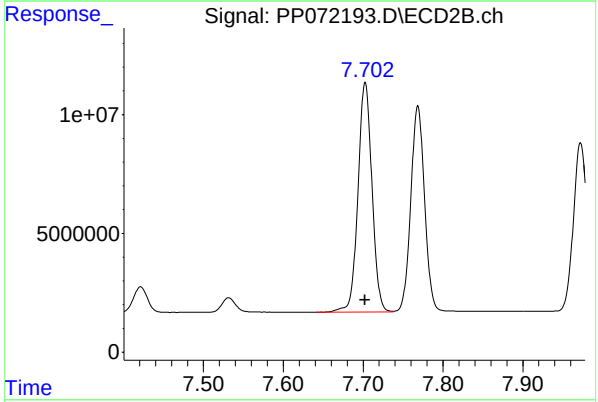
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 95120098
Conc: 50.00 ng/ml



#41 AR-1268-1

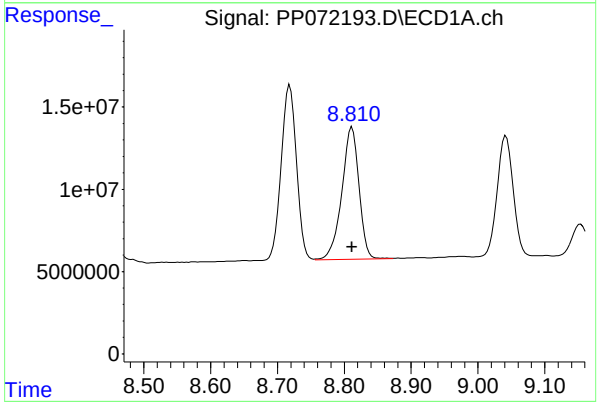
R.T.: 8.719 min
Delta R.T.: 0.000 min
Response: 168813008
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



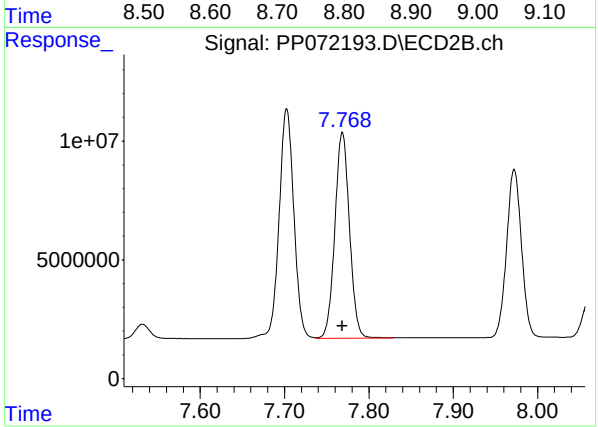
#41 AR-1268-1

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 117885627
Conc: 500.00 ng/ml



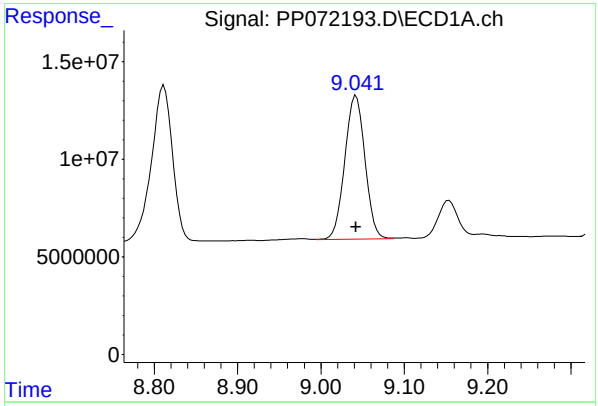
#42 AR-1268-2

R.T.: 8.812 min
Delta R.T.: 0.000 min
Response: 142607566
Conc: 500.00 ng/ml



#42 AR-1268-2

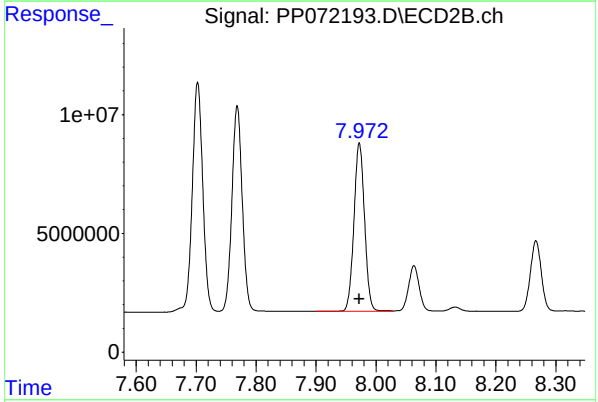
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 104194841
Conc: 500.00 ng/ml



#43 AR-1268-3

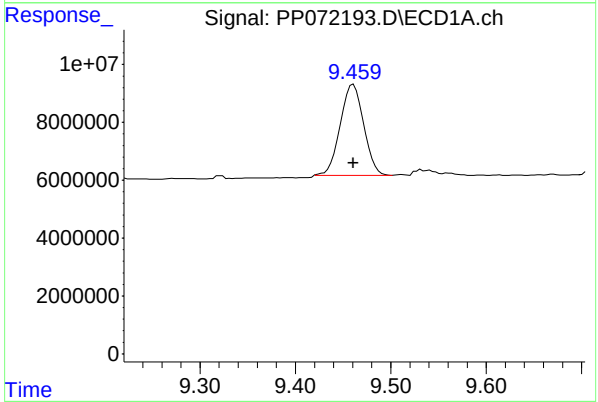
R.T.: 9.042 min
Delta R.T.: 0.000 min
Response: 123625088
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



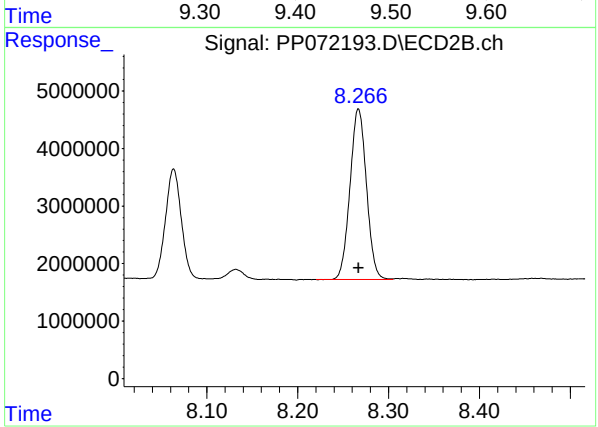
#43 AR-1268-3

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 87334730
Conc: 500.00 ng/ml



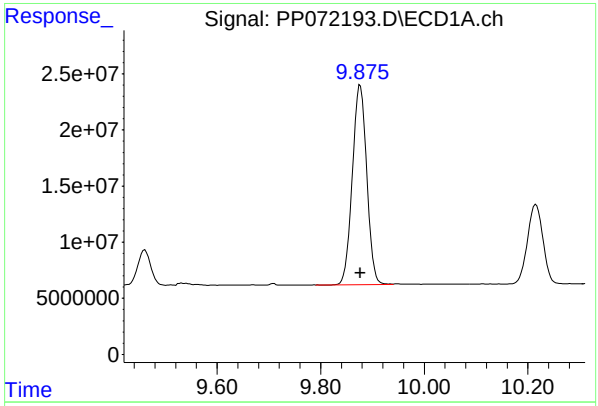
#44 AR-1268-4

R.T.: 9.461 min
Delta R.T.: 0.000 min
Response: 53984174
Conc: 500.00 ng/ml



#44 AR-1268-4

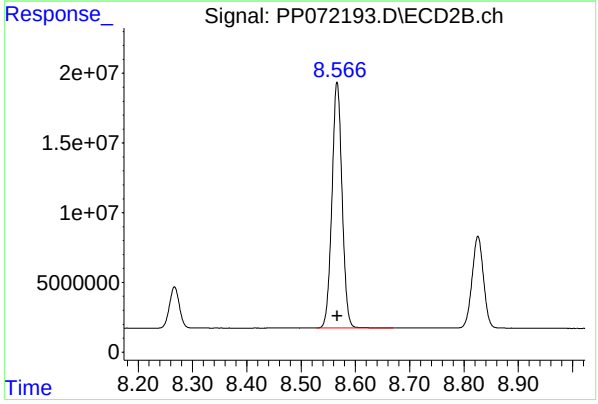
R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 37427536
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.876 min
Delta R.T.: 0.000 min
Response: 343480020
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 228518609
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:09
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.501	3.797	51365767	41558561	25.738	25.193
2)	SA Decachlor...	10.214	8.824	75968459	49150807	25.857	25.836
	Target Compounds						
41)	L9 AR-1268-1	8.717	7.702	87839198	60916157	260.167	258.370
42)	L9 AR-1268-2	8.811	7.767	74121995	54415434	259.881	261.123
43)	L9 AR-1268-3	9.040	7.971	63936897	44168578	258.592	252.869
44)	L9 AR-1268-4	9.459	8.265	27090074	19140648	250.908	255.703
45)	L9 AR-1268-5	9.875	8.565	176.6E6	115.4E6	257.058	252.589

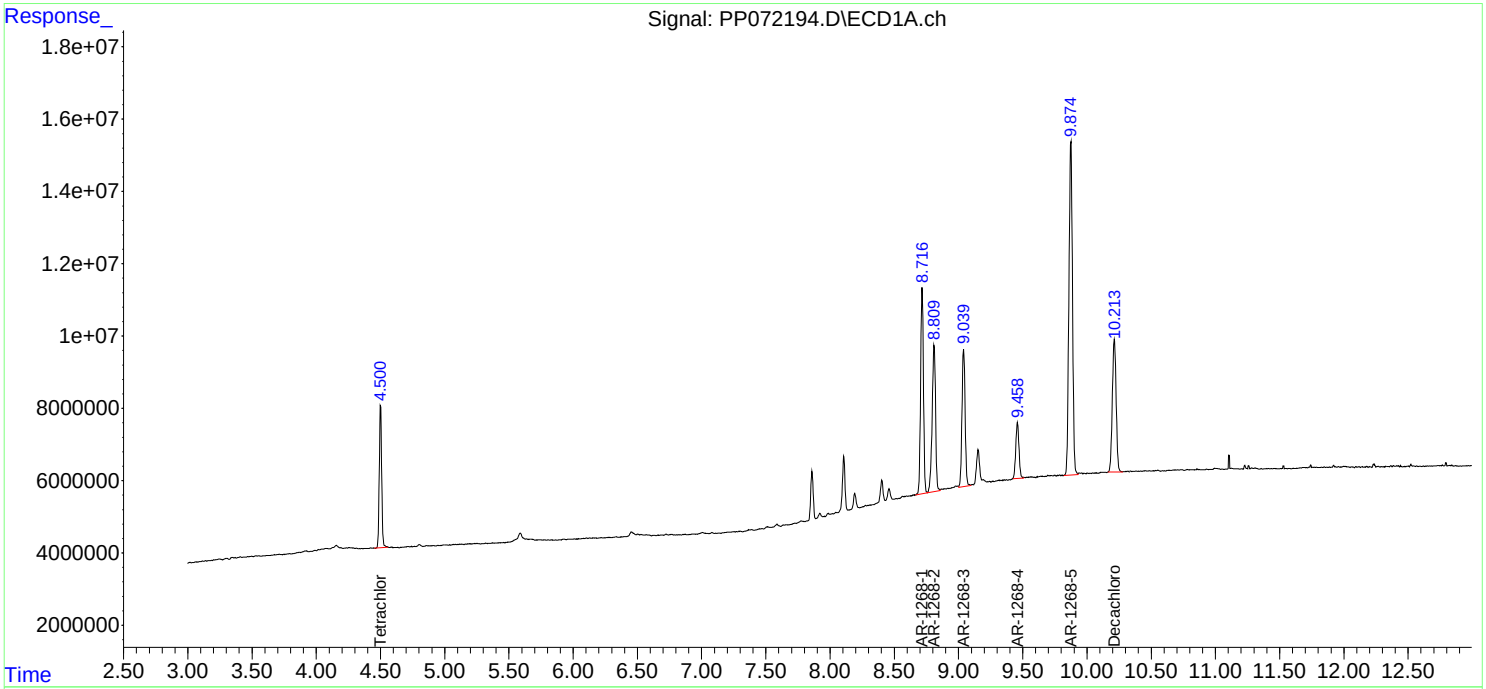
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

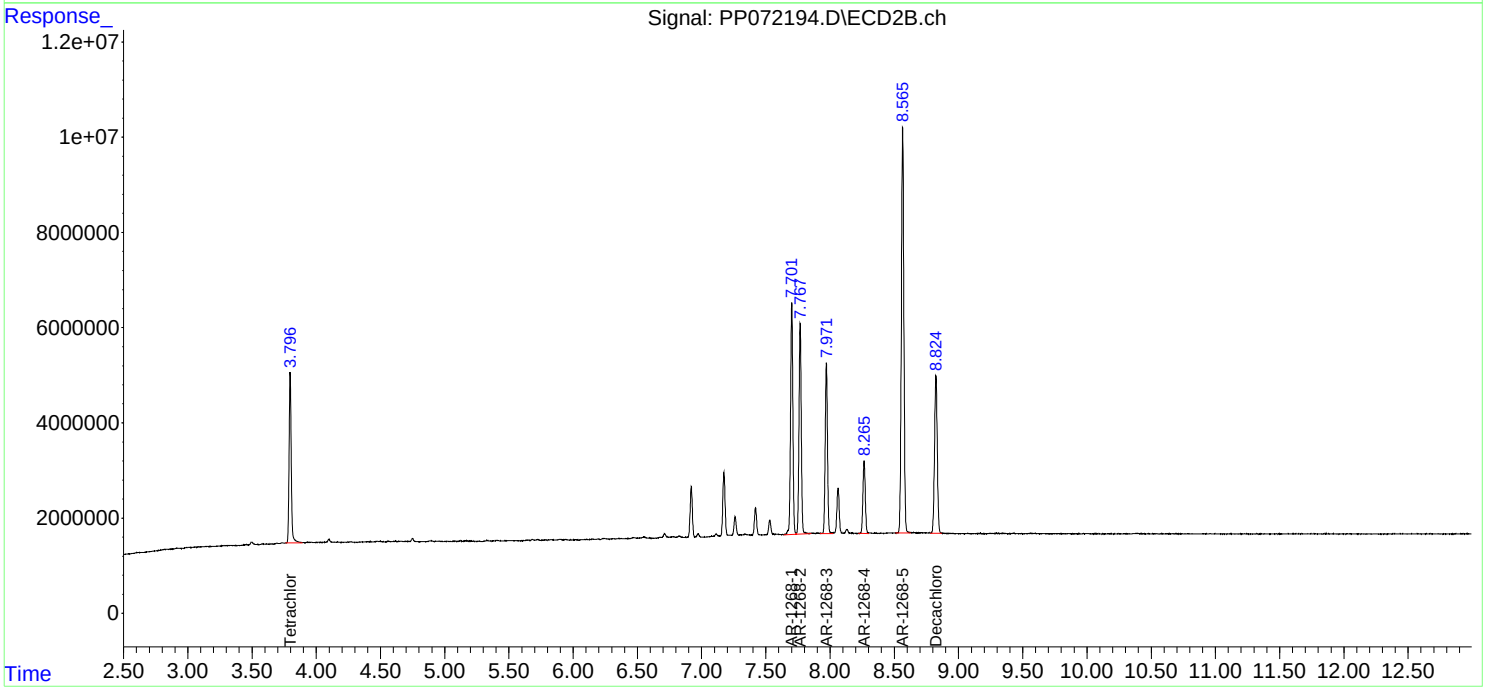
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:09
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

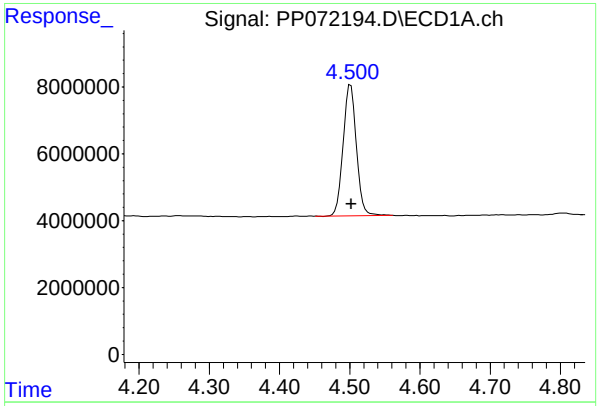
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



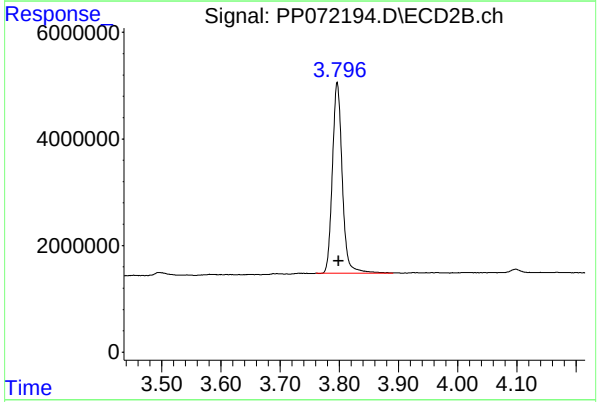




#1 Tetrachloro-m-xylene

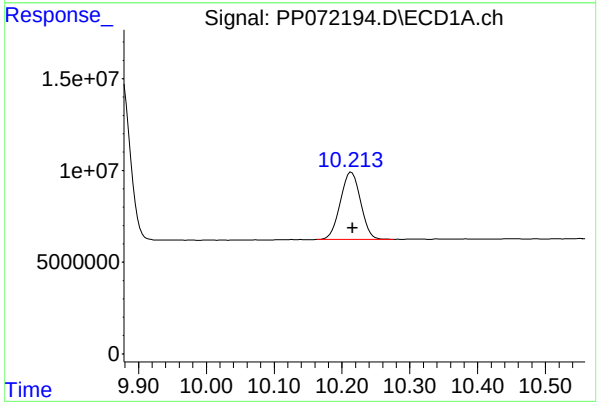
R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 51365767
Conc: 25.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



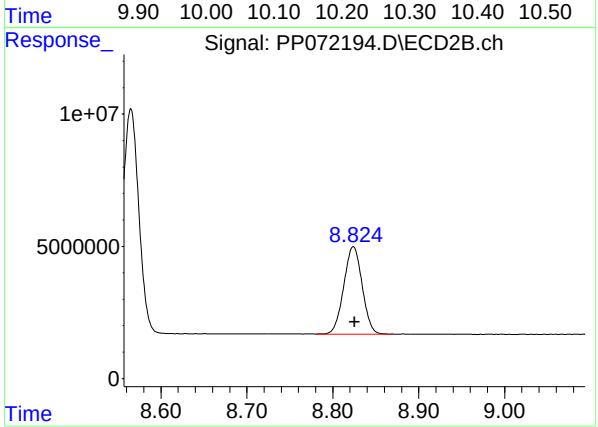
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.002 min
Response: 41558561
Conc: 25.19 ng/ml



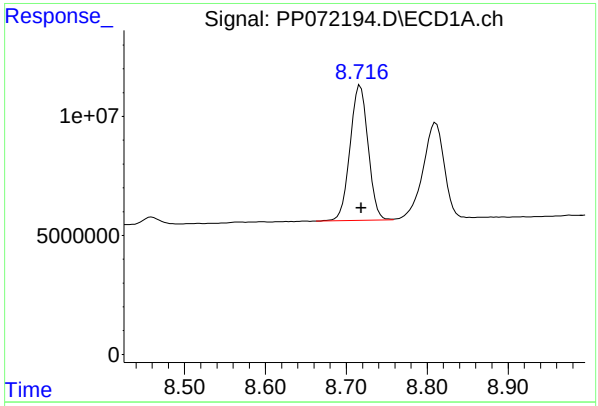
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.001 min
Response: 75968459
Conc: 25.86 ng/ml



#2 Decachlorobiphenyl

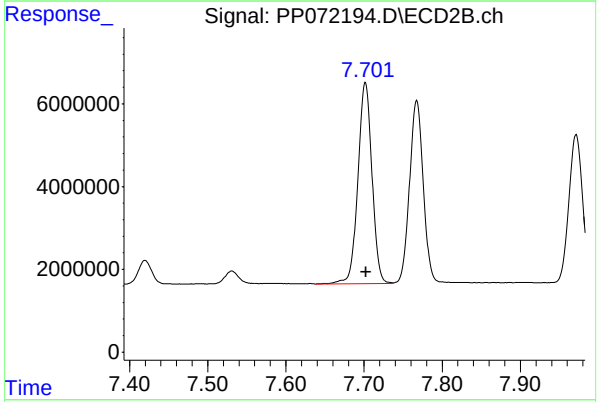
R.T.: 8.824 min
Delta R.T.: -0.002 min
Response: 49150807
Conc: 25.84 ng/ml



#41 AR-1268-1

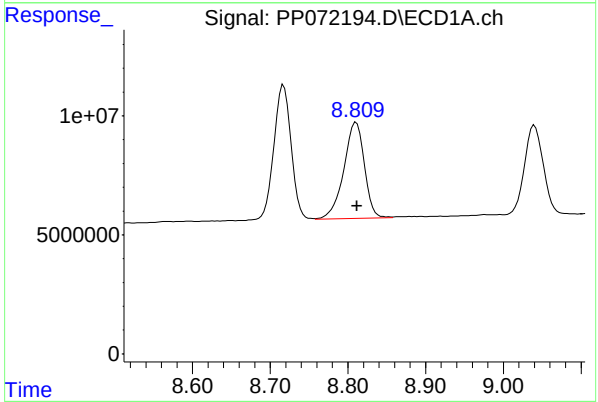
R.T.: 8.717 min
Delta R.T.: -0.001 min
Response: 87839198
Conc: 260.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



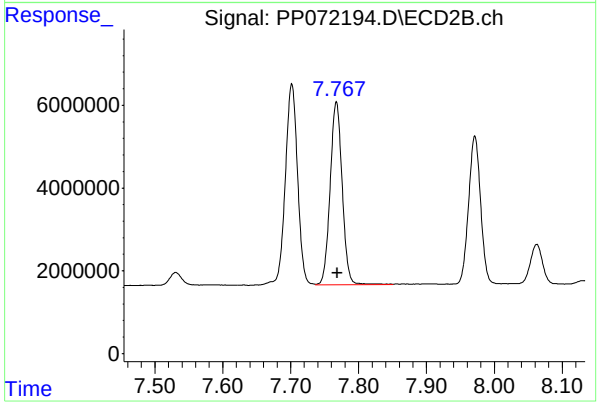
#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 60916157
Conc: 258.37 ng/ml



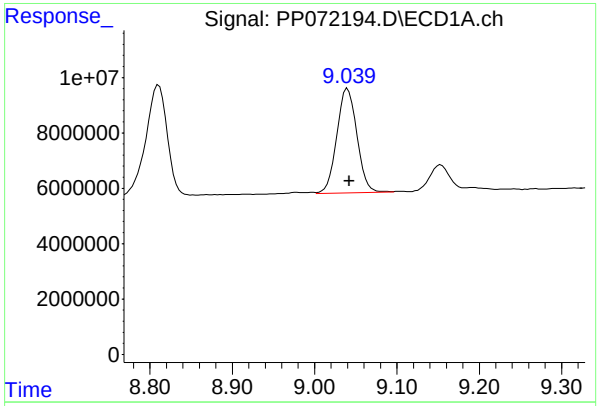
#42 AR-1268-2

R.T.: 8.811 min
Delta R.T.: 0.000 min
Response: 74121995
Conc: 259.88 ng/ml



#42 AR-1268-2

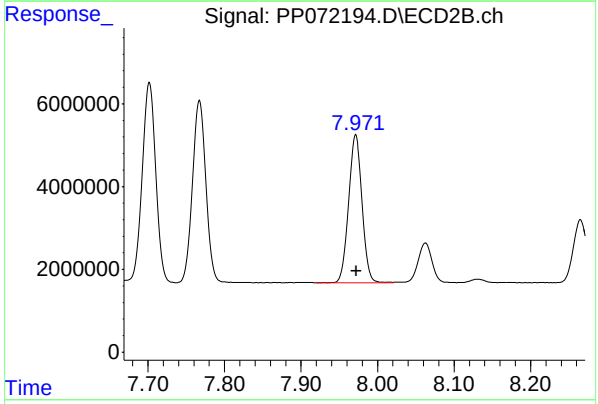
R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 54415434
Conc: 261.12 ng/ml



#43 AR-1268-3

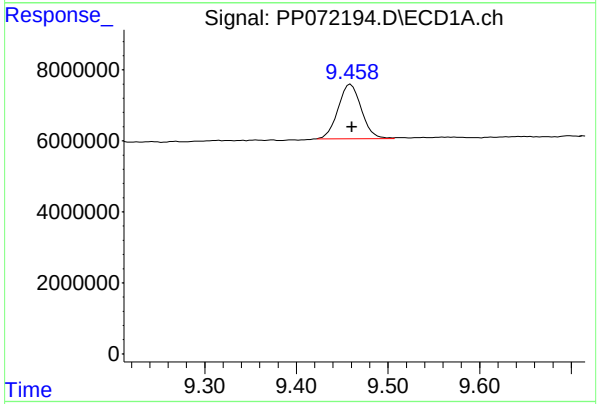
R.T.: 9.040 min
Delta R.T.: -0.002 min
Response: 63936897
Conc: 258.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



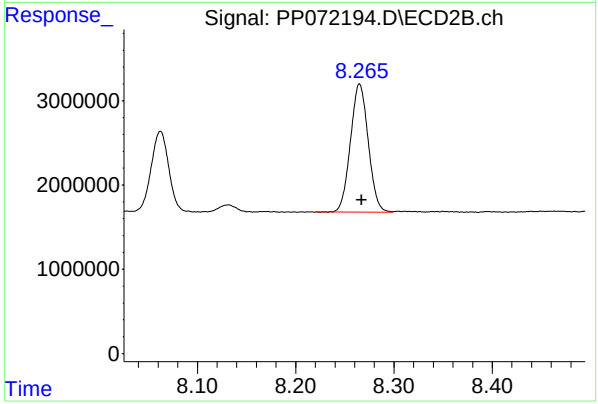
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 44168578
Conc: 252.87 ng/ml



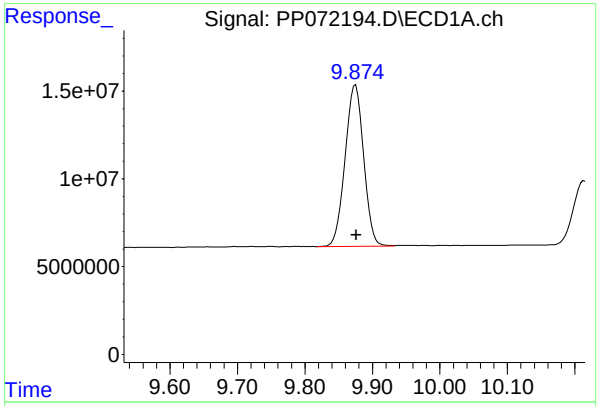
#44 AR-1268-4

R.T.: 9.459 min
Delta R.T.: -0.001 min
Response: 27090074
Conc: 250.91 ng/ml



#44 AR-1268-4

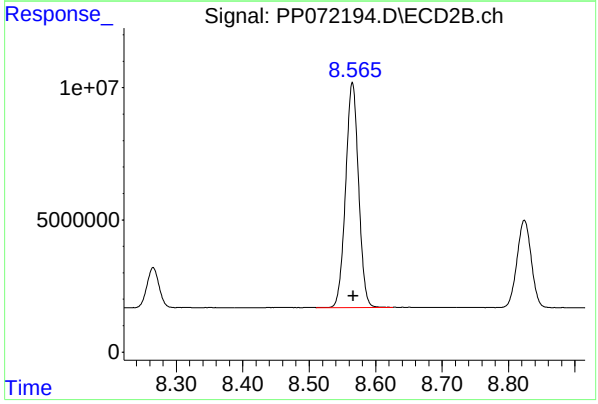
R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 19140648
Conc: 255.70 ng/ml



#45 AR-1268-5

R.T.: 9.875 min
Delta R.T.: -0.001 min
Response: 176588908
Conc: 257.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.001 min
Response: 115442638
Conc: 252.59 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.797	8721682	7491150	4.370m	4.541
2)	SA Decachlor...	10.218	8.823	13183771	10651243	4.487	5.599
	Target Compounds						
41)	L9 AR-1268-1	8.720	7.701	16905769	12836464	50.072m	54.445
42)	L9 AR-1268-2	8.814	7.768	13998978	11129718	49.082	53.408
43)	L9 AR-1268-3	9.045	7.971	12064238	8963951	48.794	51.320
44)	L9 AR-1268-4	9.464	8.265	5112737	3748876	47.354	50.082
45)	L9 AR-1268-5	9.878	8.565	33648372	24605969	48.982	53.838

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

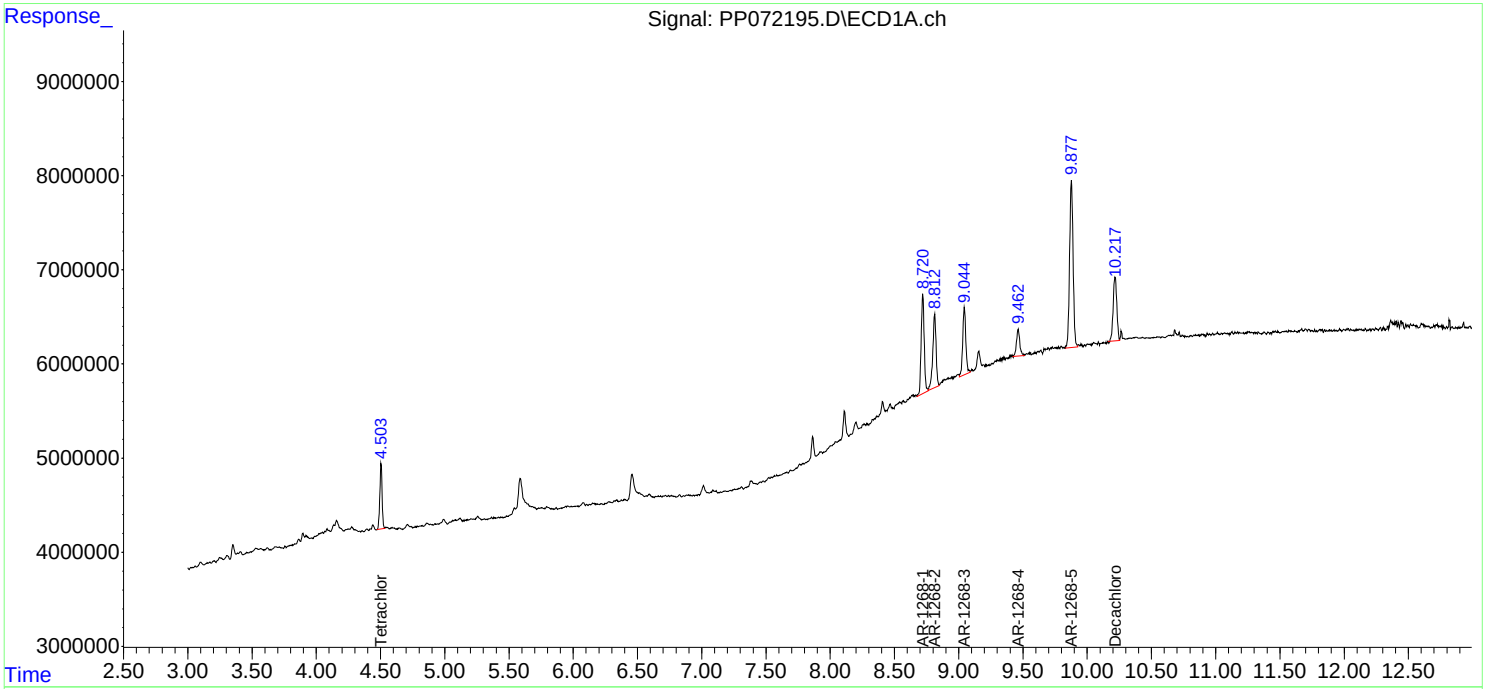
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

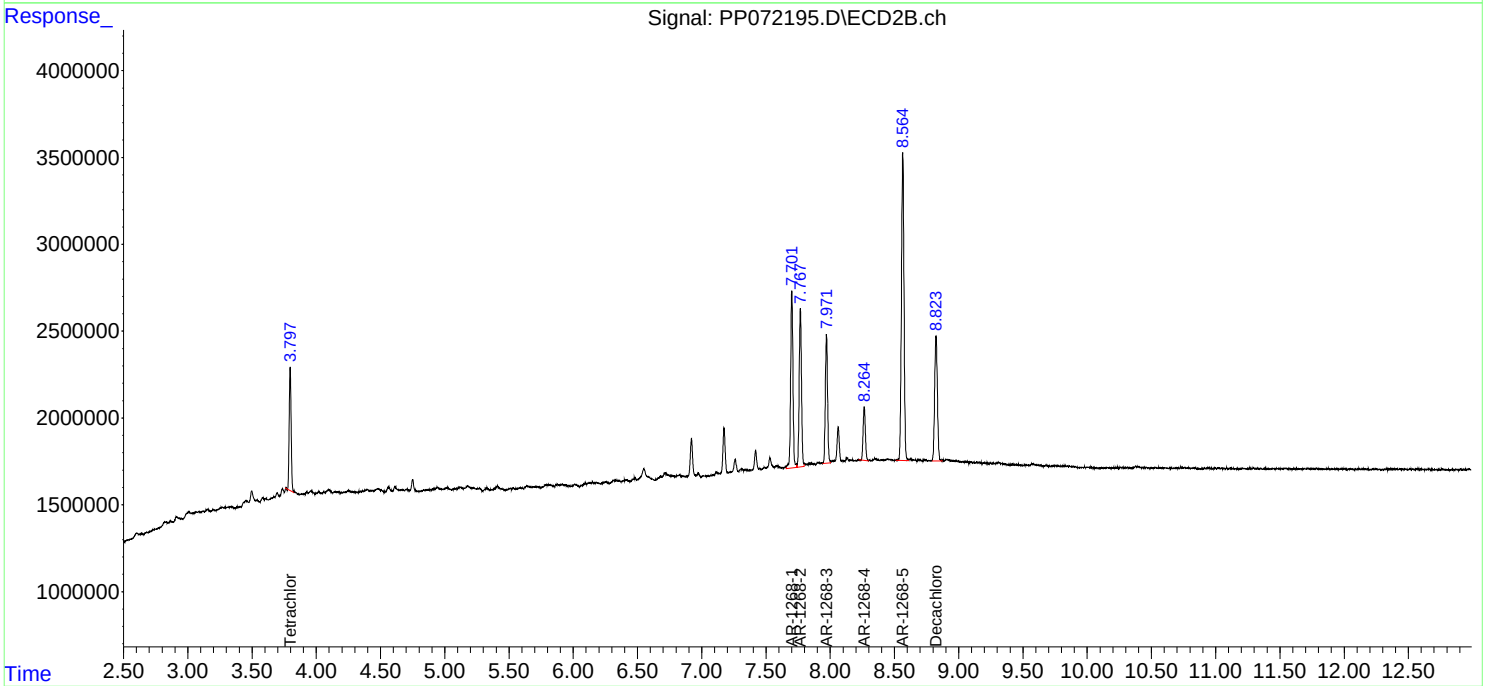
Manual Integrations APPROVED

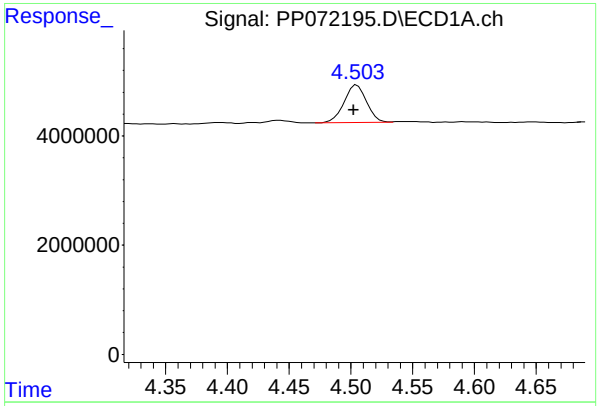
Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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







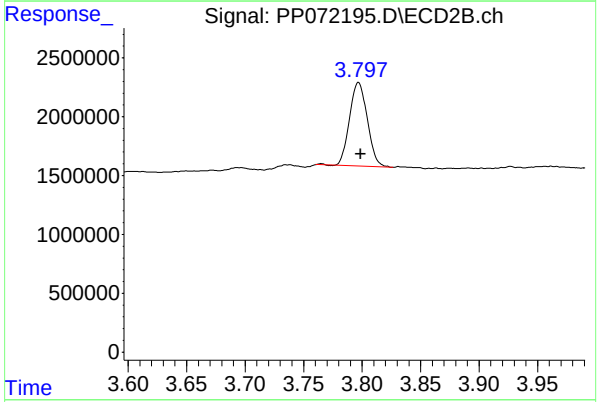
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.001 min
Response: 8721682
Conc: 4.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

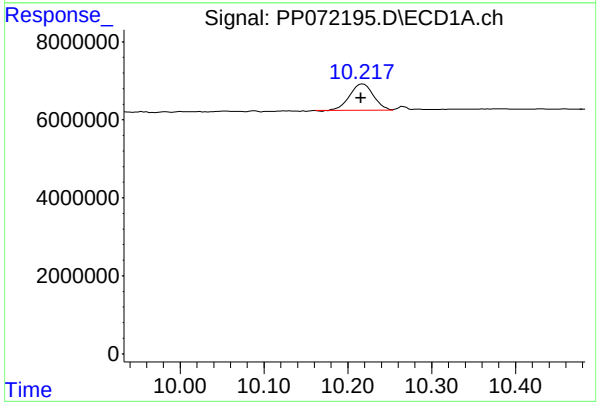
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



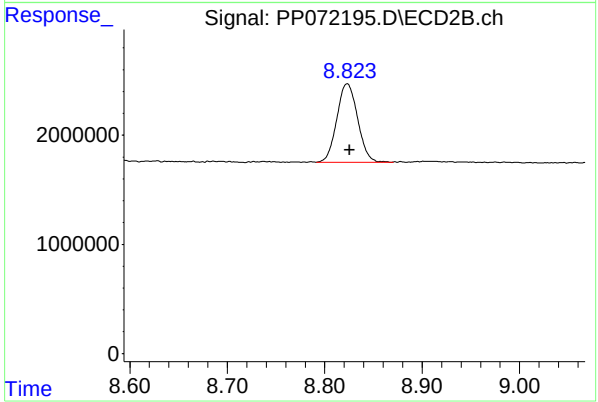
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.002 min
Response: 7491150
Conc: 4.54 ng/ml



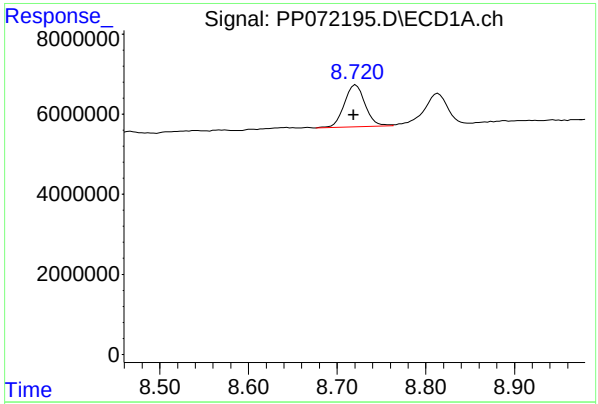
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.003 min
Response: 13183771
Conc: 4.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.823 min
Delta R.T.: -0.003 min
Response: 10651243
Conc: 5.60 ng/ml



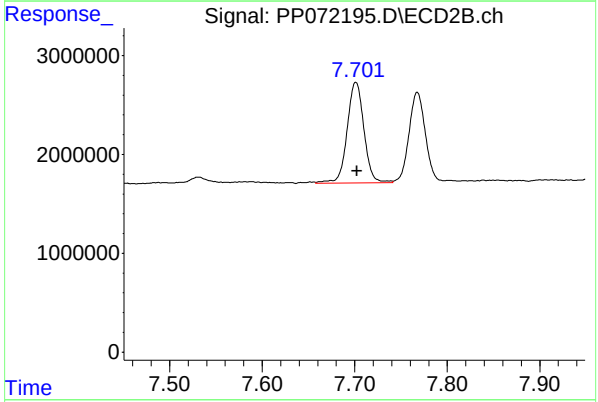
#41 AR-1268-1

R.T.: 8.720 min
Delta R.T.: 0.000 min
Response: 16905769
Conc: 50.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

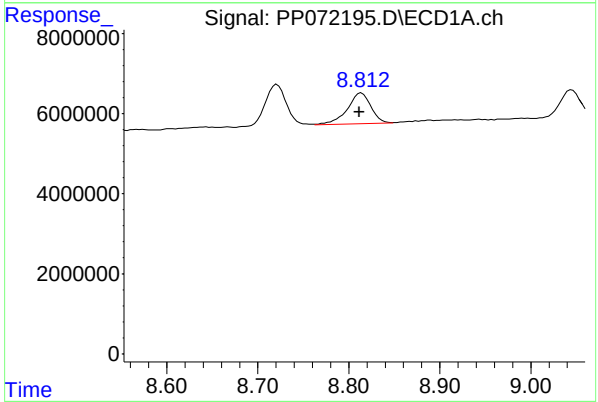
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



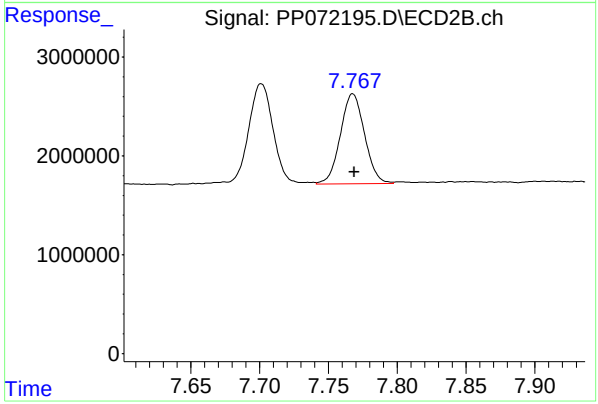
#41 AR-1268-1

R.T.: 7.701 min
Delta R.T.: -0.001 min
Response: 12836464
Conc: 54.44 ng/ml



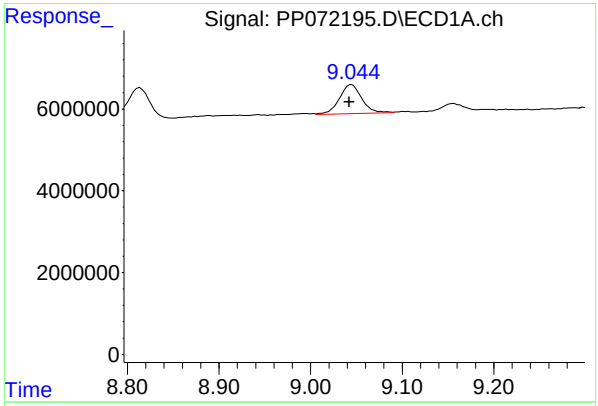
#42 AR-1268-2

R.T.: 8.814 min
Delta R.T.: 0.002 min
Response: 13998978
Conc: 49.08 ng/ml



#42 AR-1268-2

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 11129718
Conc: 53.41 ng/ml



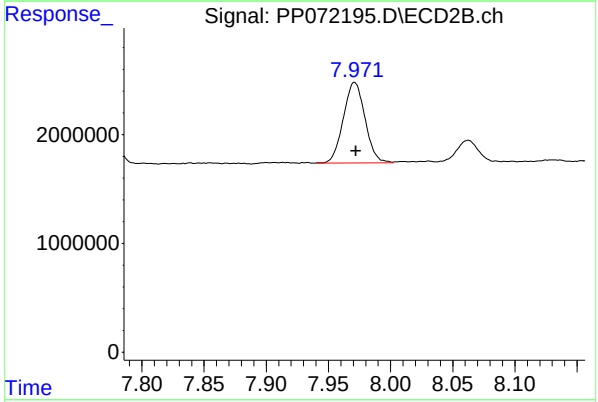
#43 AR-1268-3

R.T.: 9.045 min
Delta R.T.: 0.003 min
Response: 12064238
Conc: 48.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

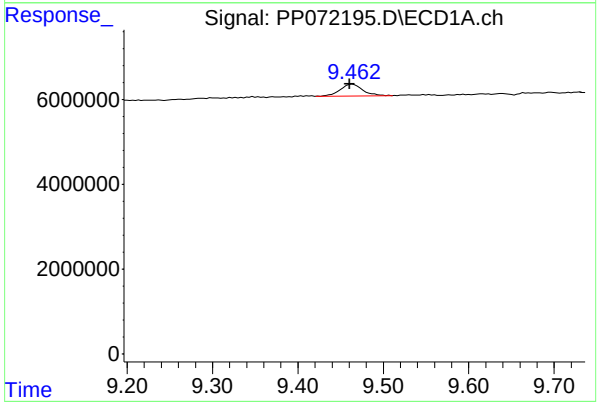
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



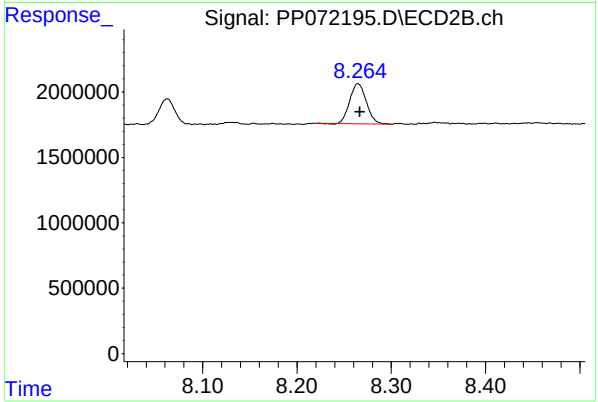
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: -0.001 min
Response: 8963951
Conc: 51.32 ng/ml



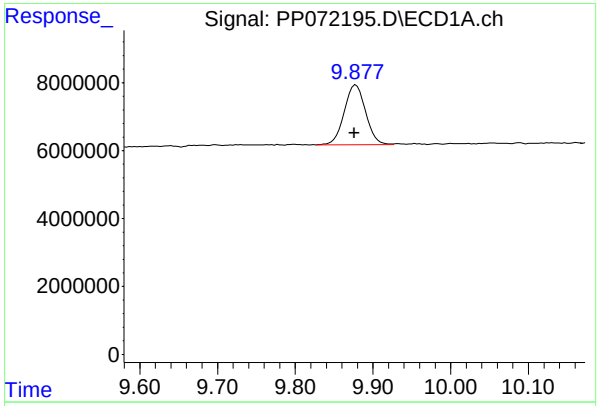
#44 AR-1268-4

R.T.: 9.464 min
Delta R.T.: 0.003 min
Response: 5112737
Conc: 47.35 ng/ml



#44 AR-1268-4

R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 3748876
Conc: 50.08 ng/ml



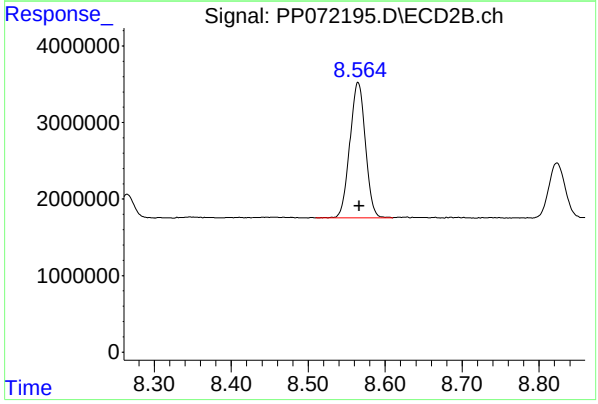
#45 AR-1268-5

R.T.: 9.878 min
Delta R.T.: 0.002 mi
Response: 33648372
Conc: 48.98 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 24605969
Conc: 53.84 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:42
Operator : YP\AJ
Sample : PP051925ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:36:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.798	95813360	75129300	47.649	47.004
2)	SA Decachlor...	10.216	8.825	78897811	55159923	48.430	52.106
	Target Compounds						
3)	L1 AR-1016-1	5.656	4.882	34275021	28415442	456.491	462.570
4)	L1 AR-1016-2	5.677	4.900	52043054	40409419	486.422	460.300
5)	L1 AR-1016-3	5.739	5.077	30972988	22233290	472.402	466.552
6)	L1 AR-1016-4	5.837	5.120	26002231	17703522	488.122	465.327
7)	L1 AR-1016-5	6.130	5.333	22892152	23633981	468.054	474.345
31)	L7 AR-1260-1	7.250	6.367	45618683	37214670	487.406	466.620
32)	L7 AR-1260-2	7.503	6.556	68966981	45298985	480.641	446.638
33)	L7 AR-1260-3	7.861	6.709	56600304	41944639	497.057	482.664
34)	L7 AR-1260-4	8.086	7.179	54236593	34998898	505.455	485.483
35)	L7 AR-1260-5	8.405	7.421	116.3E6	86272130	491.560	496.891

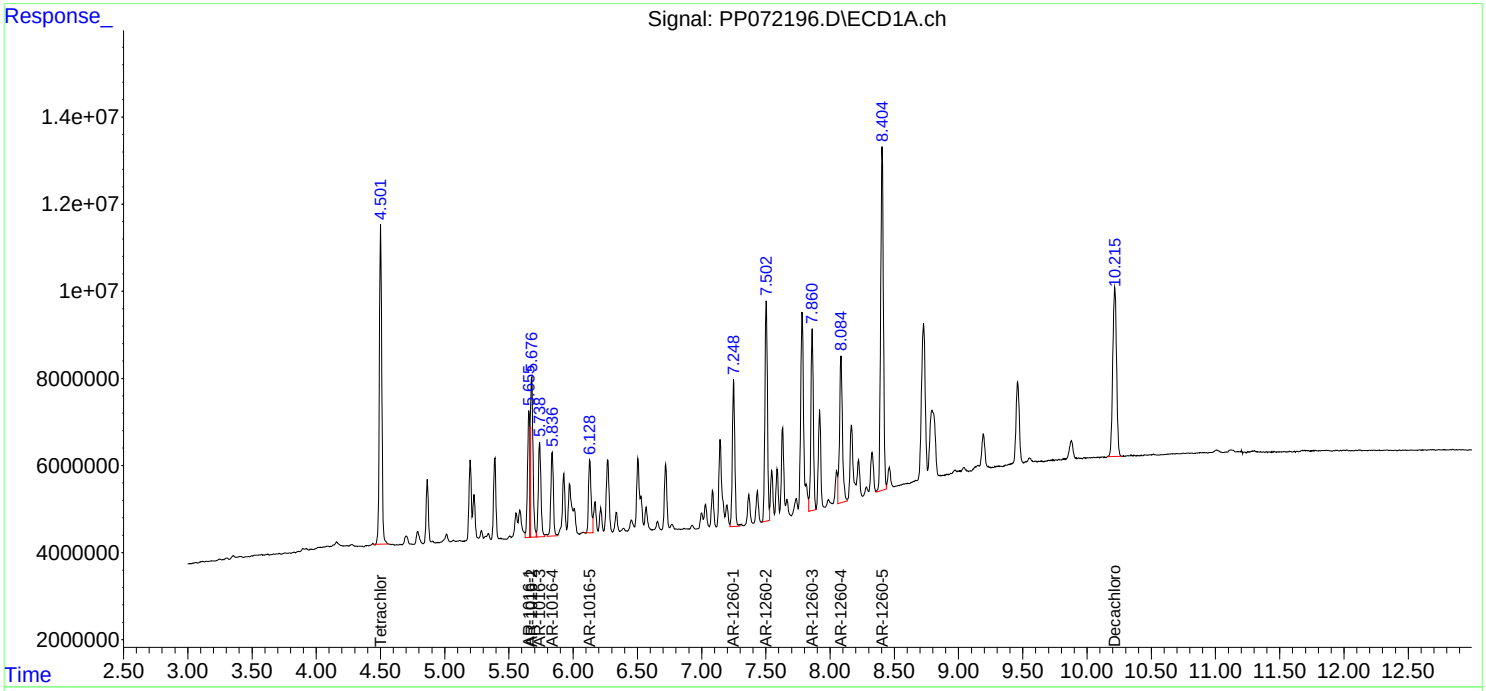
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

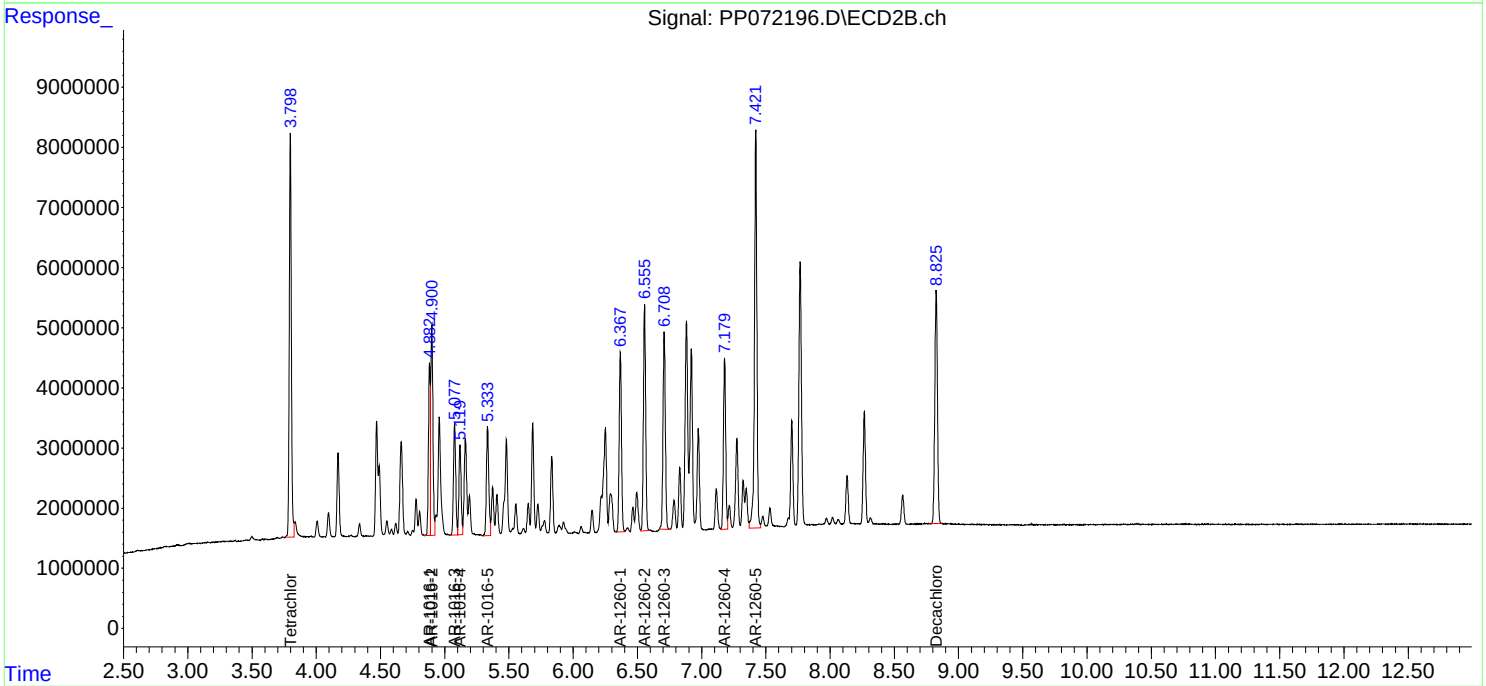
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:42
Operator : YP\AJ
Sample : PP051925ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

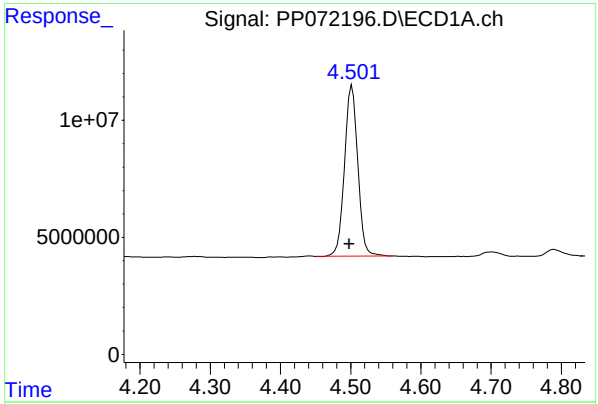
Instrument :
ECD_P
ClientSampleId :
ICVPP051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:36:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



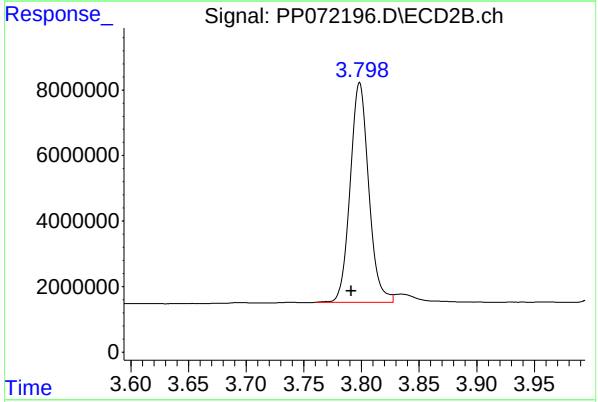




#1 Tetrachloro-m-xylene

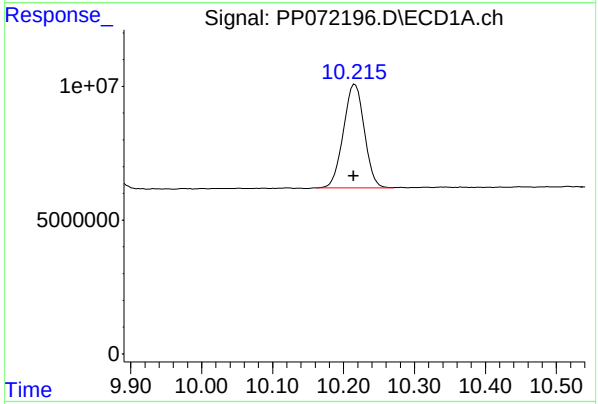
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 95813360
Conc: 47.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



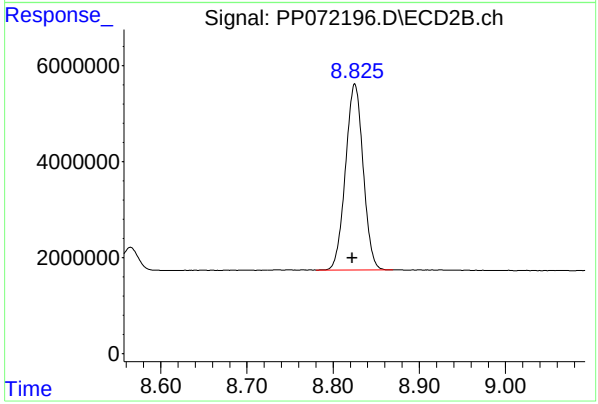
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 75129300
Conc: 47.00 ng/ml



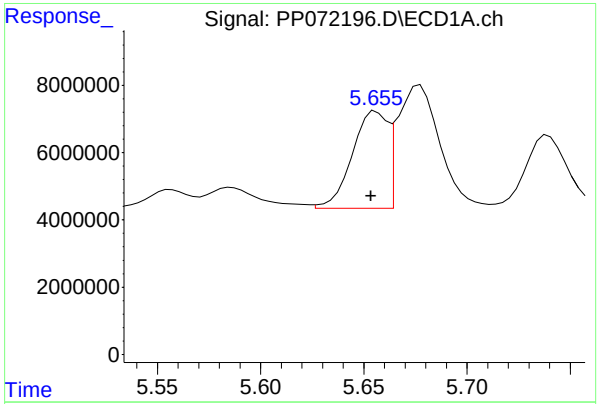
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.002 min
Response: 78897811
Conc: 48.43 ng/ml



#2 Decachlorobiphenyl

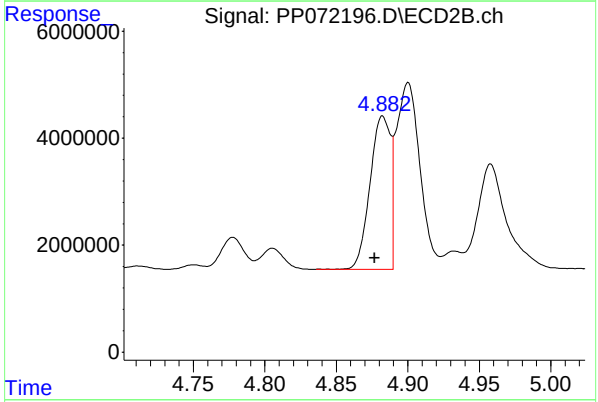
R.T.: 8.825 min
Delta R.T.: 0.003 min
Response: 55159923
Conc: 52.11 ng/ml



#3 AR-1016-1

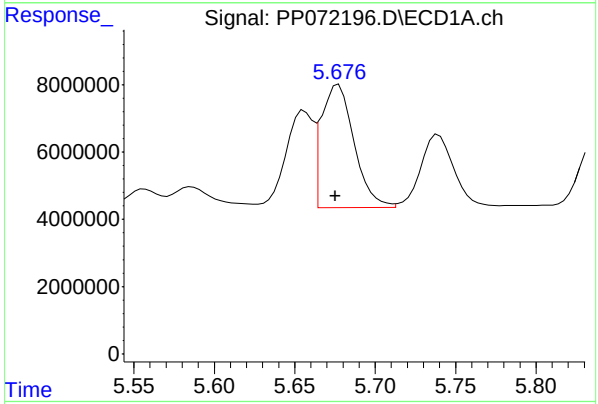
R.T.: 5.656 min
Delta R.T.: 0.003 min
Response: 34275021
Conc: 456.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



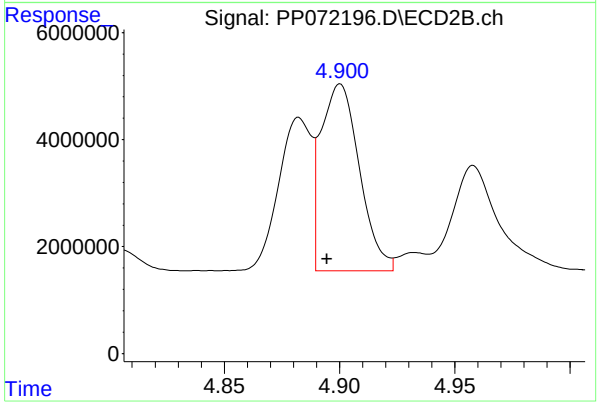
#3 AR-1016-1

R.T.: 4.882 min
Delta R.T.: 0.006 min
Response: 28415442
Conc: 462.57 ng/ml



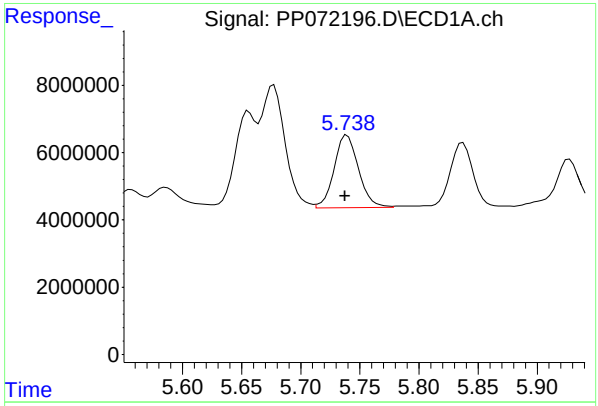
#4 AR-1016-2

R.T.: 5.677 min
Delta R.T.: 0.002 min
Response: 52043054
Conc: 486.42 ng/ml



#4 AR-1016-2

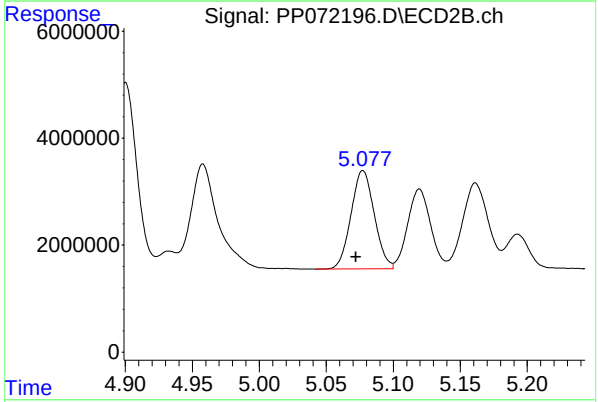
R.T.: 4.900 min
Delta R.T.: 0.006 min
Response: 40409419
Conc: 460.30 ng/ml



#5 AR-1016-3

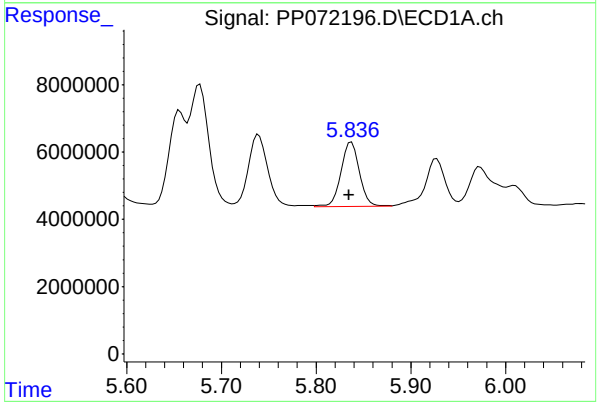
R.T.: 5.739 min
Delta R.T.: 0.002 min
Response: 30972988
Conc: 472.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



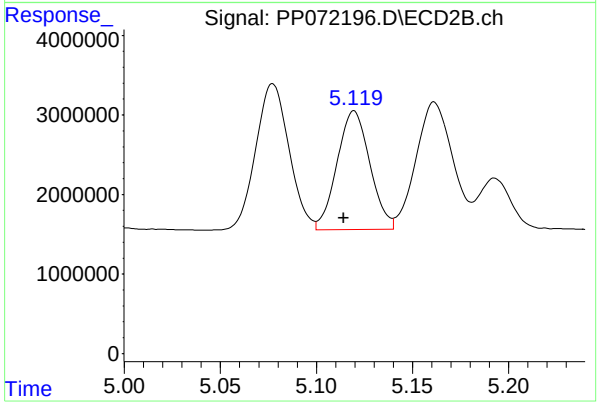
#5 AR-1016-3

R.T.: 5.077 min
Delta R.T.: 0.005 min
Response: 22233290
Conc: 466.55 ng/ml



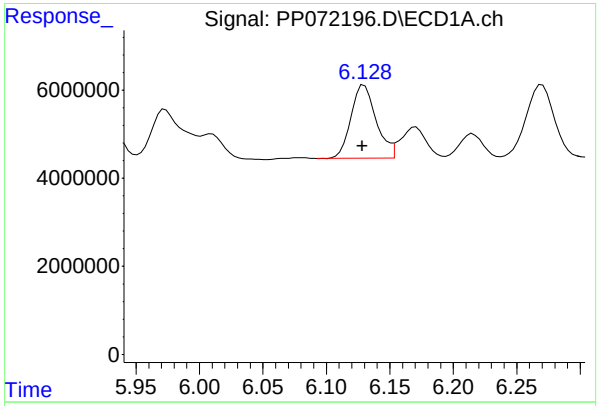
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: 0.002 min
Response: 26002231
Conc: 488.12 ng/ml



#6 AR-1016-4

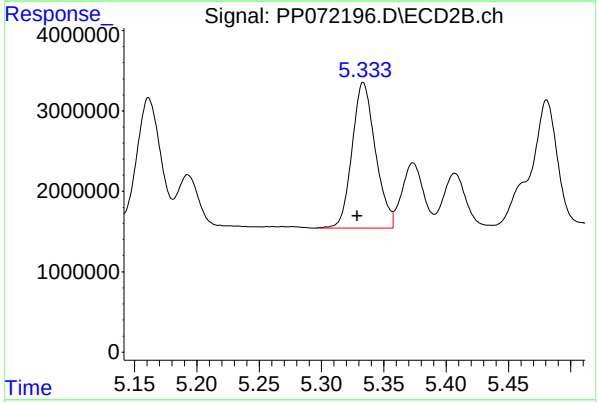
R.T.: 5.120 min
Delta R.T.: 0.005 min
Response: 17703522
Conc: 465.33 ng/ml



#7 AR-1016-5

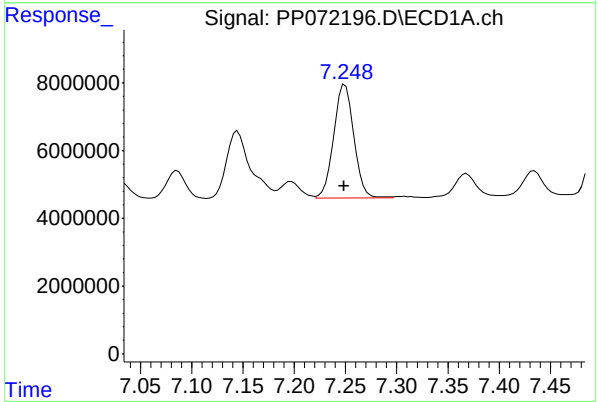
R.T.: 6.130 min
Delta R.T.: 0.001 min
Response: 22892152
Conc: 468.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



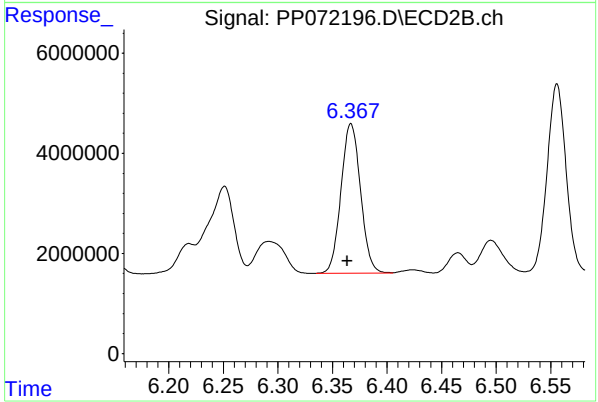
#7 AR-1016-5

R.T.: 5.333 min
Delta R.T.: 0.005 min
Response: 23633981
Conc: 474.35 ng/ml



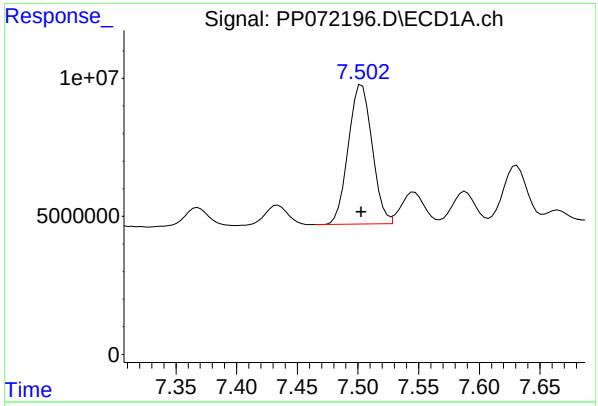
#31 AR-1260-1

R.T.: 7.250 min
Delta R.T.: 0.001 min
Response: 45618683
Conc: 487.41 ng/ml



#31 AR-1260-1

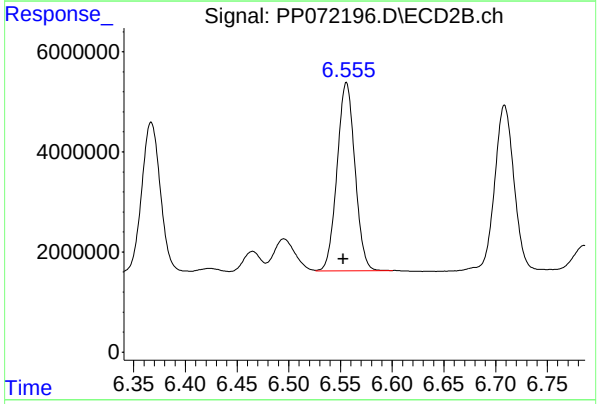
R.T.: 6.367 min
Delta R.T.: 0.003 min
Response: 37214670
Conc: 466.62 ng/ml



#32 AR-1260-2

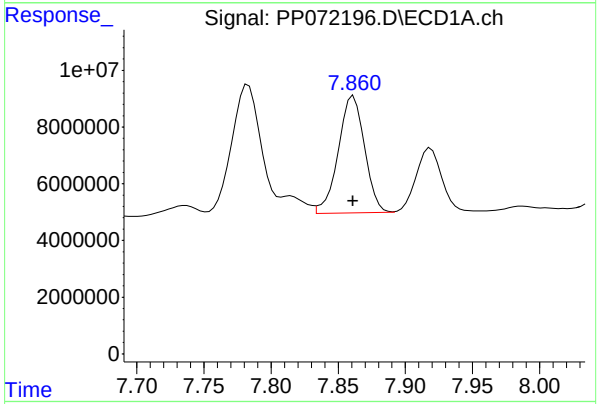
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 68966981
Conc: 480.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



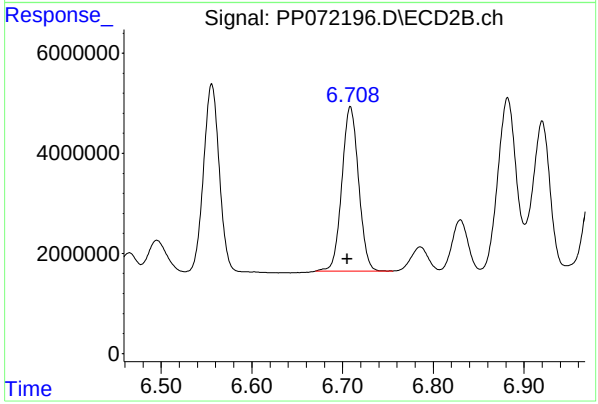
#32 AR-1260-2

R.T.: 6.556 min
Delta R.T.: 0.003 min
Response: 45298985
Conc: 446.64 ng/ml



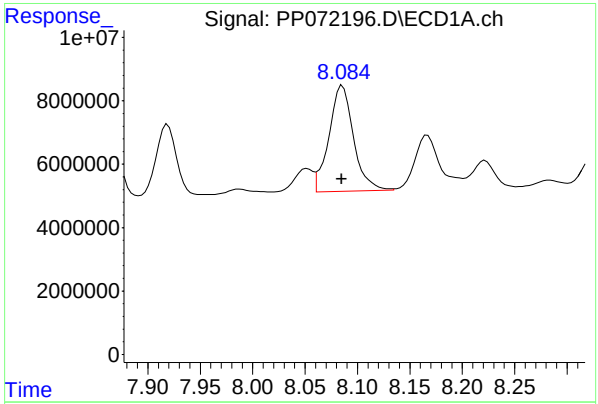
#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 56600304
Conc: 497.06 ng/ml



#33 AR-1260-3

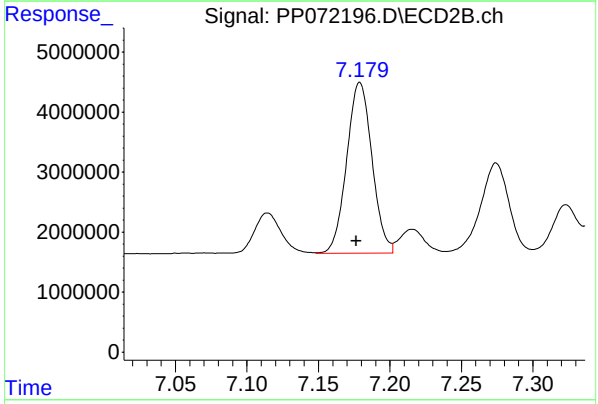
R.T.: 6.709 min
Delta R.T.: 0.003 min
Response: 41944639
Conc: 482.66 ng/ml



#34 AR-1260-4

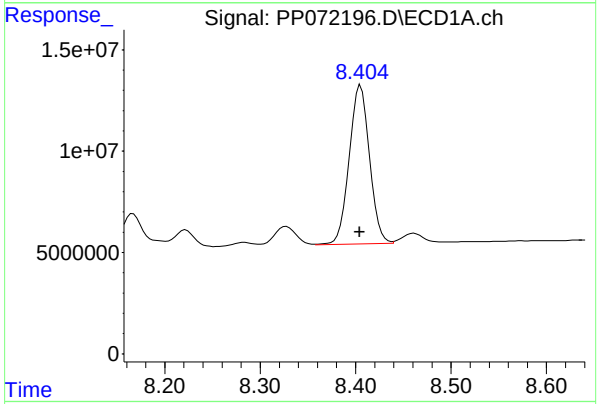
R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 54236593
Conc: 505.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925



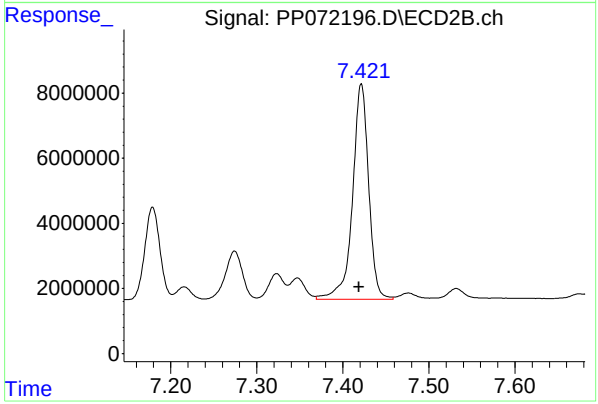
#34 AR-1260-4

R.T.: 7.179 min
Delta R.T.: 0.002 min
Response: 34998898
Conc: 485.48 ng/ml



#35 AR-1260-5

R.T.: 8.405 min
Delta R.T.: 0.001 min
Response: 116333702
Conc: 491.56 ng/ml



#35 AR-1260-5

R.T.: 7.421 min
Delta R.T.: 0.003 min
Response: 86272130
Conc: 496.89 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:14
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.504	3.798	99088078	76822954	49.278	48.064
2)	SA Decachlor...	10.217	8.824	80208843	53006313	49.234	50.072
	Target Compounds						
11)	L3 AR-1232-1	4.867	4.169	22860124	20991950	485.266	484.304
12)	L3 AR-1232-2	5.392	4.899	11426080	20405975	490.744	461.875
13)	L3 AR-1232-3	5.679	5.076	24392843	11207066	487.242	479.281
14)	L3 AR-1232-4	5.839	5.159	11984156	9670115	477.474	466.701
15)	L3 AR-1232-5	5.929	5.332	8016086	10482162	457.551	452.707

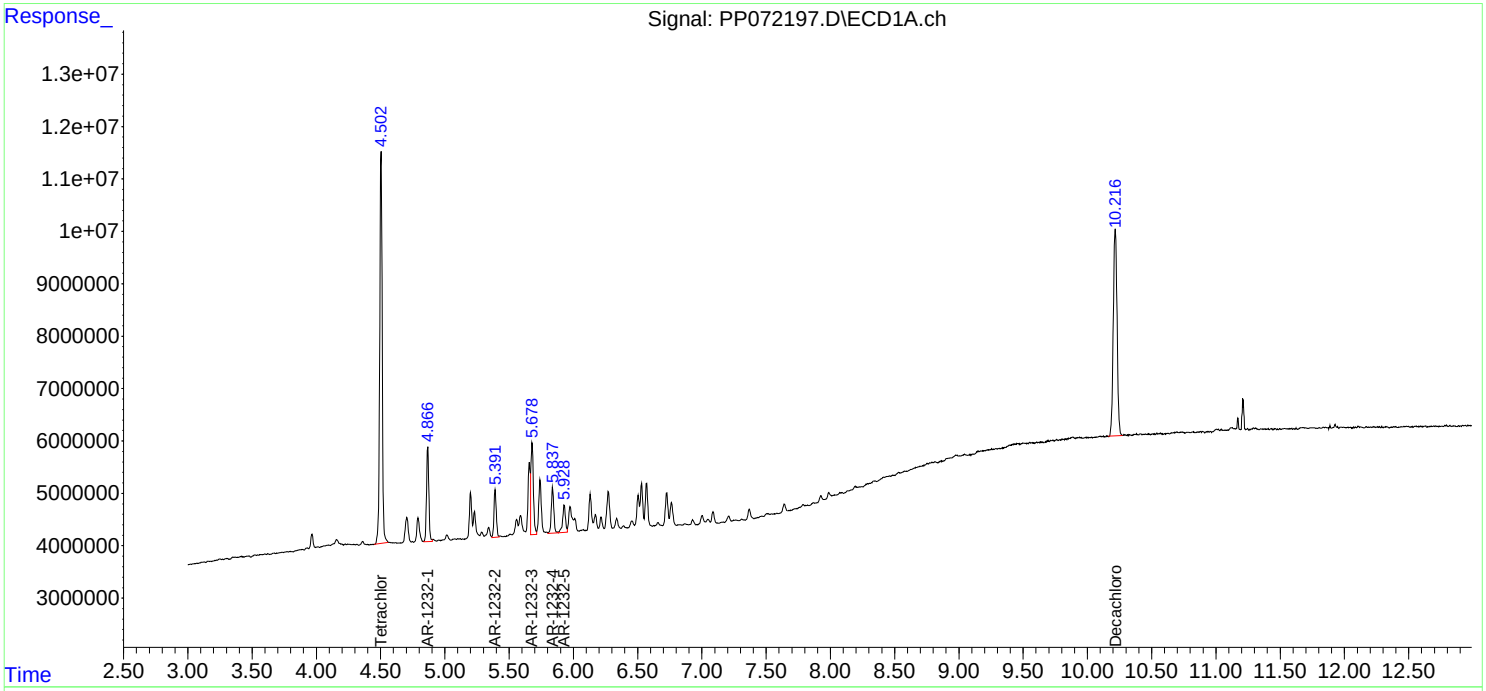
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

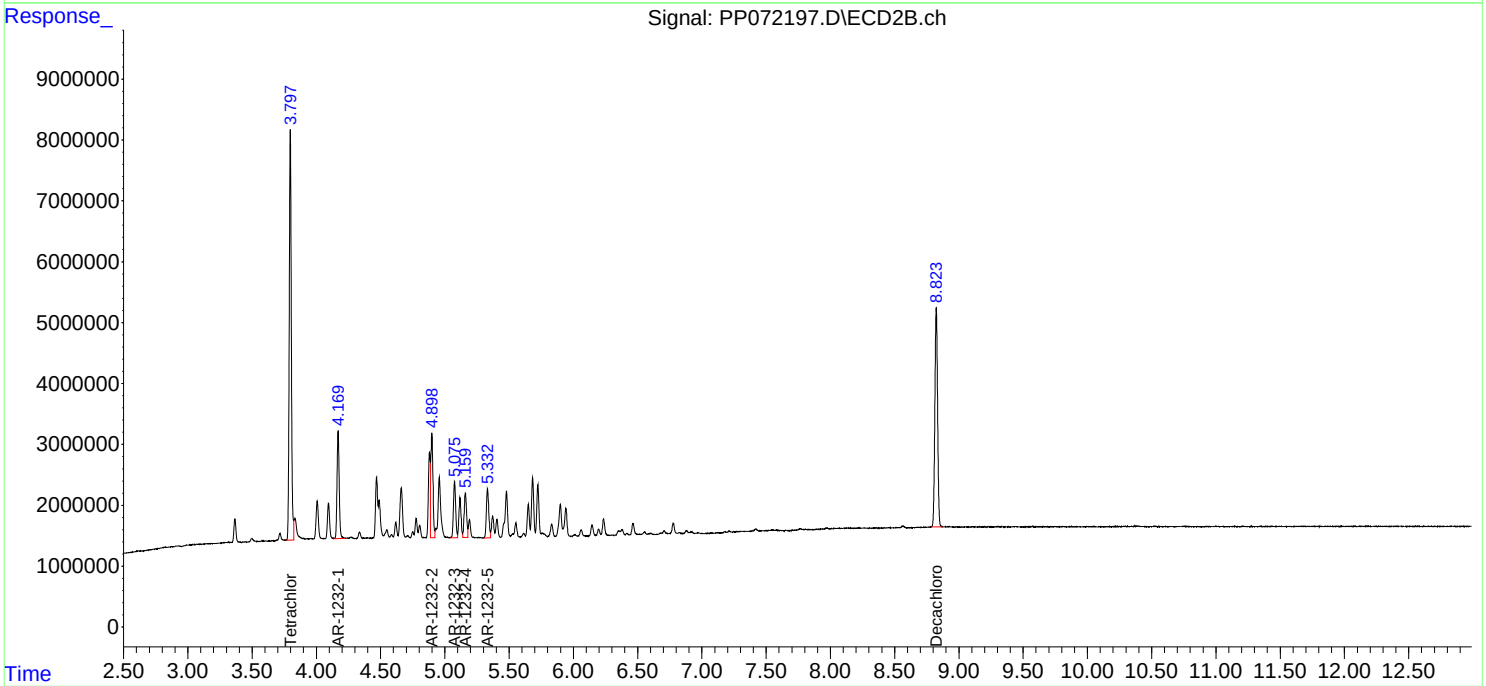
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:14
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

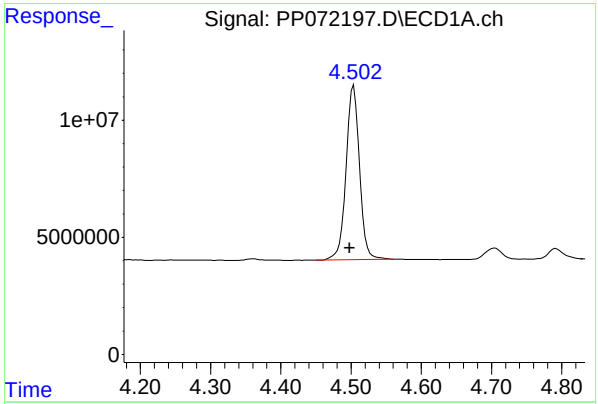
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



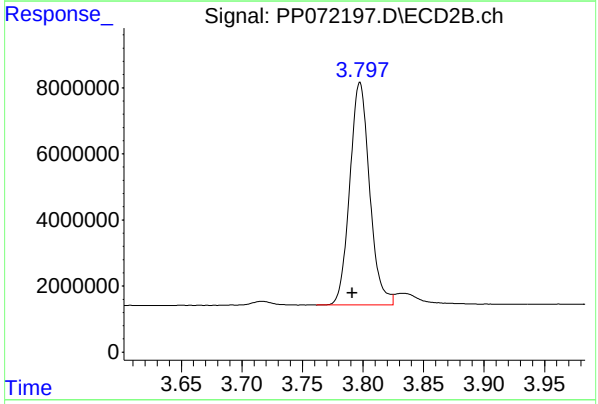




#1 Tetrachloro-m-xylene

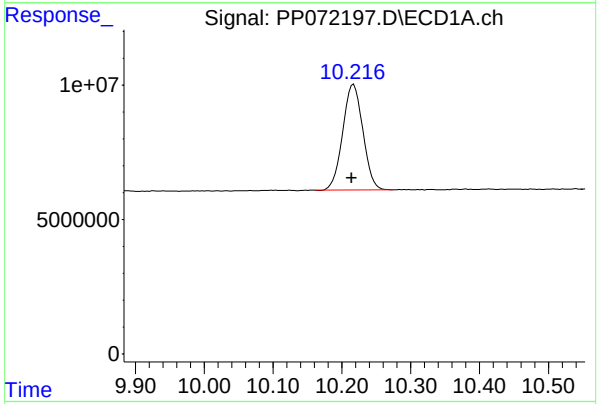
R.T.: 4.504 min
Delta R.T.: 0.006 min
Response: 99088078
Conc: 49.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



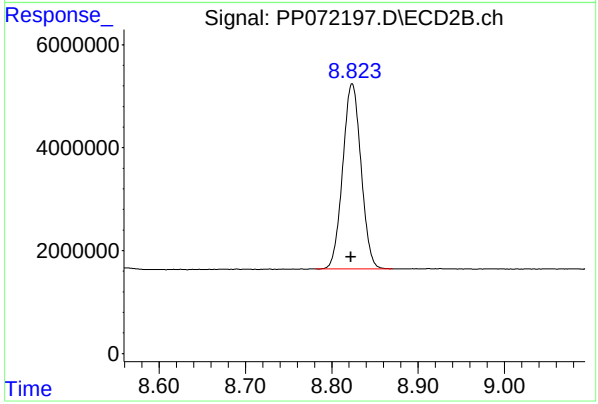
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.006 min
Response: 76822954
Conc: 48.06 ng/ml



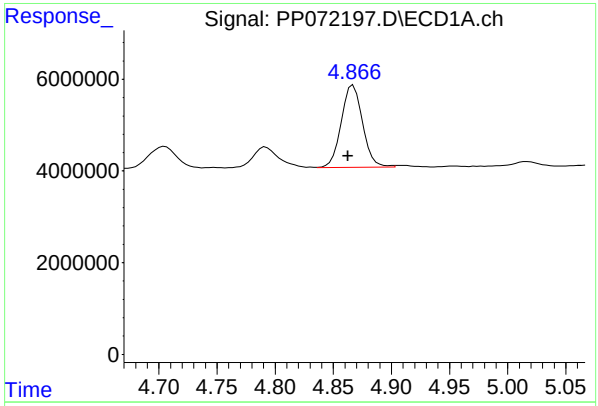
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.003 min
Response: 80208843
Conc: 49.23 ng/ml



#2 Decachlorobiphenyl

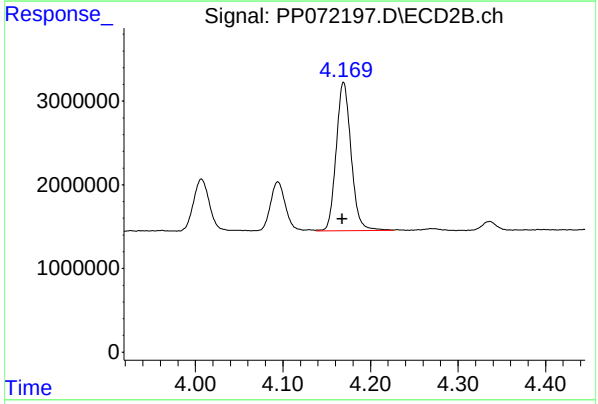
R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 53006313
Conc: 50.07 ng/ml



#11 AR-1232-1

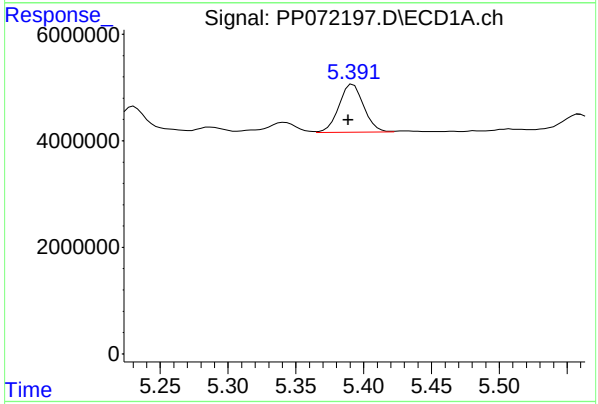
R.T.: 4.867 min
Delta R.T.: 0.004 min
Response: 22860124
Conc: 485.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



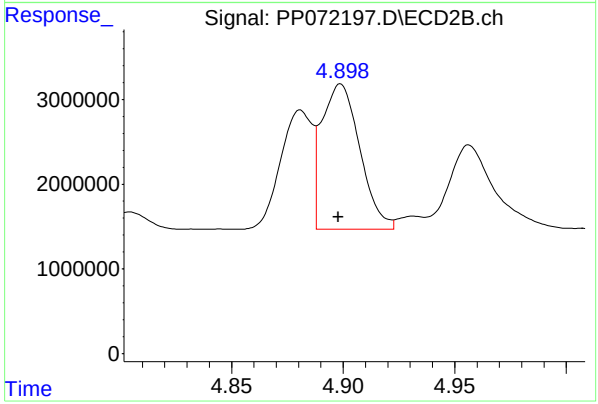
#11 AR-1232-1

R.T.: 4.169 min
Delta R.T.: 0.002 min
Response: 20991950
Conc: 484.30 ng/ml



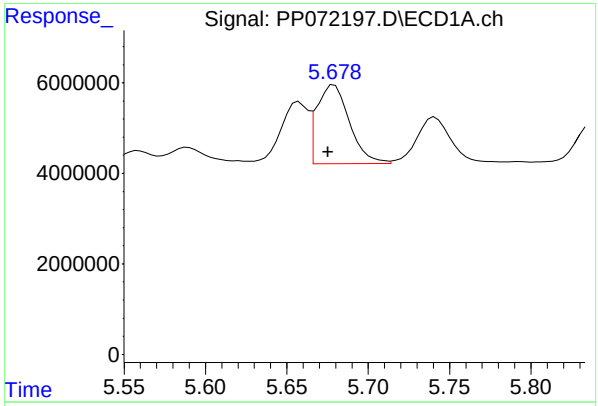
#12 AR-1232-2

R.T.: 5.392 min
Delta R.T.: 0.003 min
Response: 11426080
Conc: 490.74 ng/ml



#12 AR-1232-2

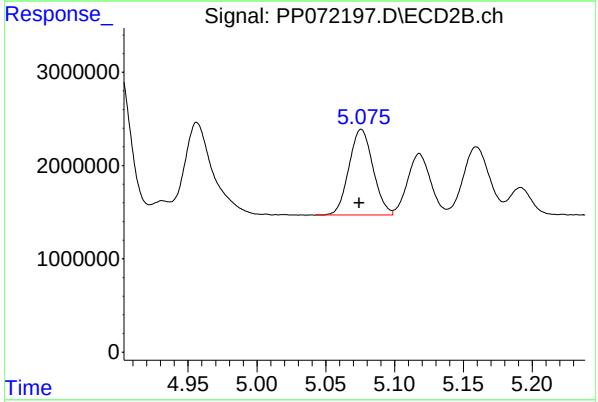
R.T.: 4.899 min
Delta R.T.: 0.001 min
Response: 20405975
Conc: 461.88 ng/ml



#13 AR-1232-3

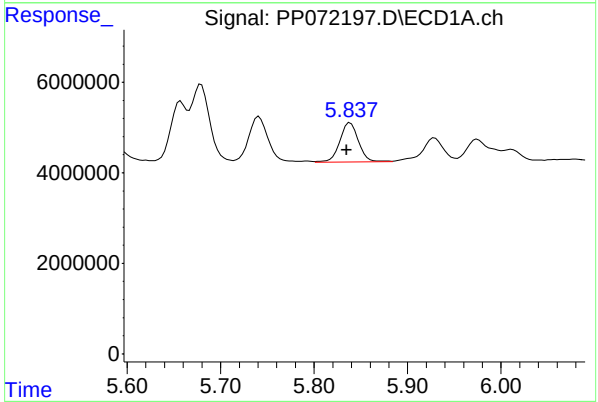
R.T.: 5.679 min
Delta R.T.: 0.004 min
Response: 24392843
Conc: 487.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



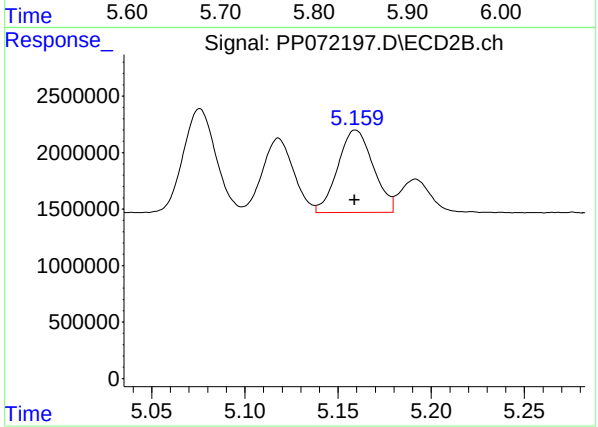
#13 AR-1232-3

R.T.: 5.076 min
Delta R.T.: 0.001 min
Response: 11207066
Conc: 479.28 ng/ml



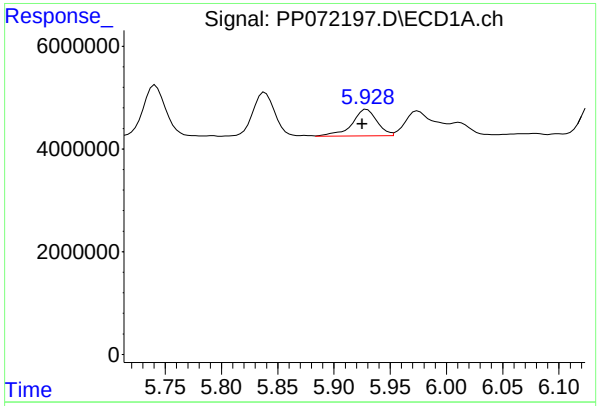
#14 AR-1232-4

R.T.: 5.839 min
Delta R.T.: 0.004 min
Response: 11984156
Conc: 477.47 ng/ml



#14 AR-1232-4

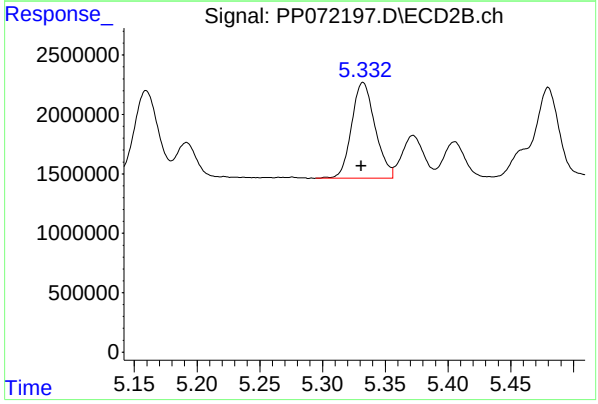
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 9670115
Conc: 466.70 ng/ml



#15 AR-1232-5

R.T.: 5.929 min
Delta R.T.: 0.004 min
Response: 8016086
Conc: 457.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232



#15 AR-1232-5

R.T.: 5.332 min
Delta R.T.: 0.002 min
Response: 10482162
Conc: 452.71 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:47
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.501	3.798	96787545	76508111	48.134	47.867
2)	SA Decachlor...	10.213	8.825	81177144	55473433	49.829	52.403
	Target Compounds						
16)	L4 AR-1242-1	5.655	4.882	30009936	25988486	479.412	498.739
17)	L4 AR-1242-2	5.676	4.900	44873042	37823387	517.091	514.630
18)	L4 AR-1242-3	5.739	5.077	26969959	20511520	489.776	524.249
19)	L4 AR-1242-4	5.836	5.161	22146348	19605635	499.365	521.665
20)	L4 AR-1242-5	6.567	5.684	24841123	25039100	487.226	518.863

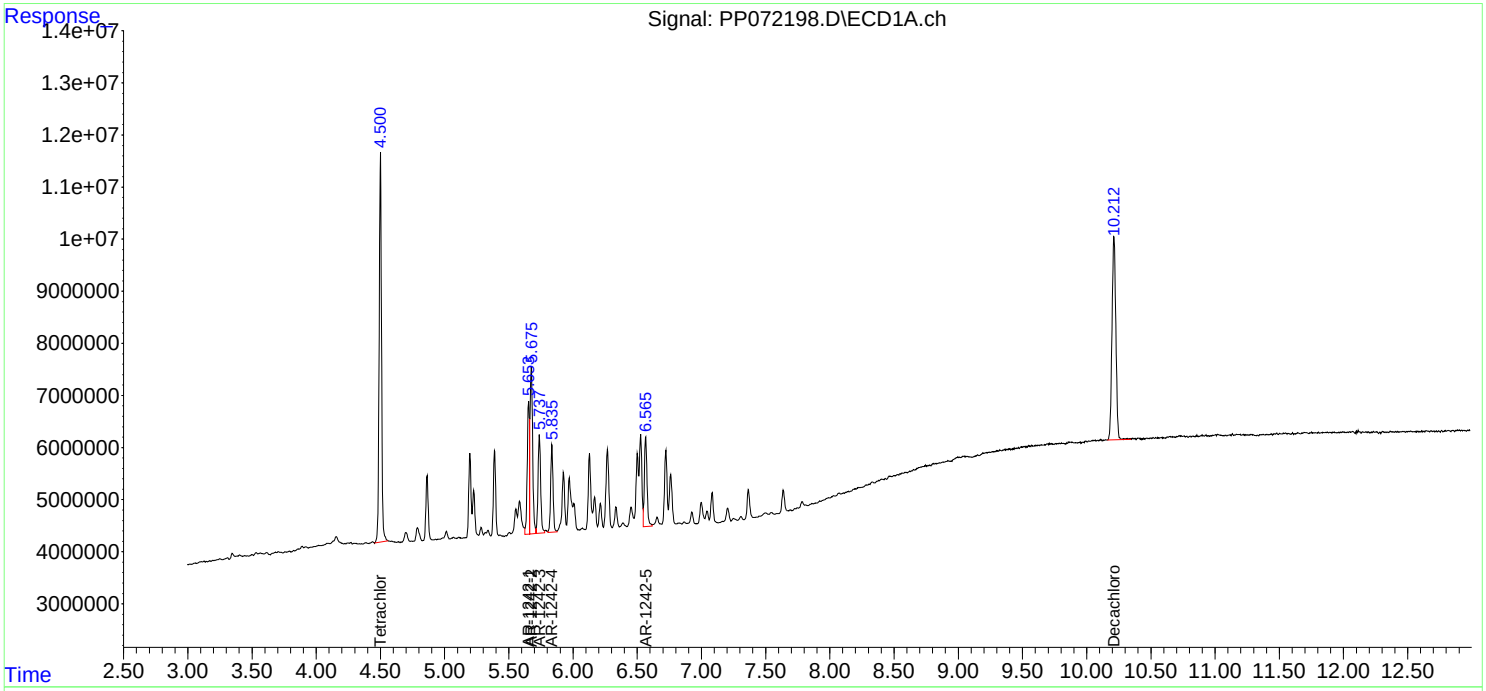
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

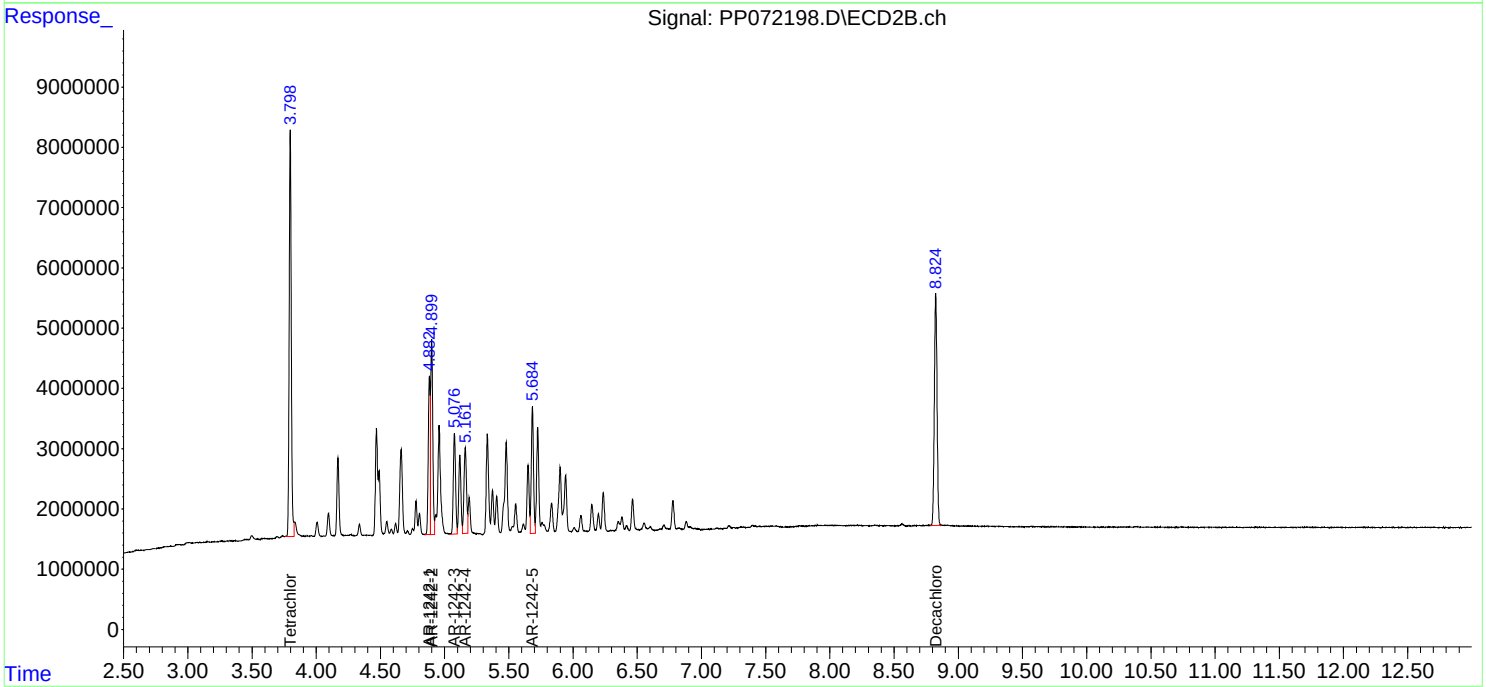
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:47
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

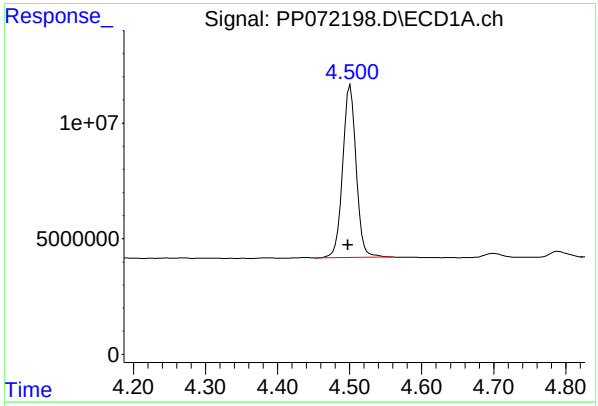
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



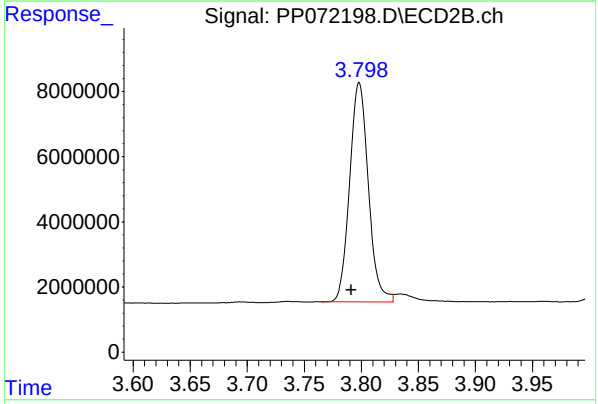




#1 Tetrachloro-m-xylene

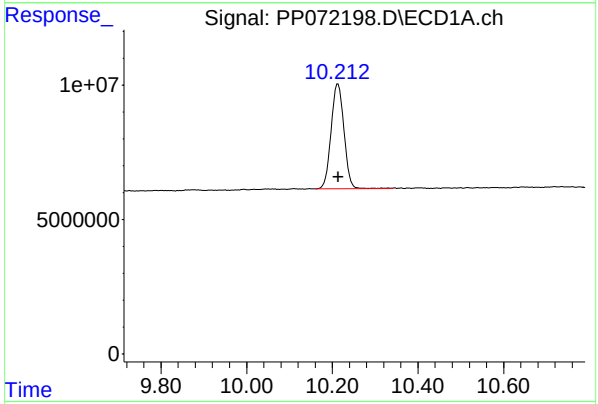
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 96787545
Conc: 48.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



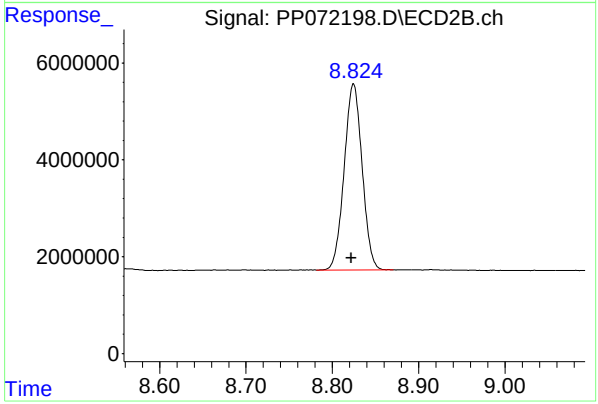
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 76508111
Conc: 47.87 ng/ml



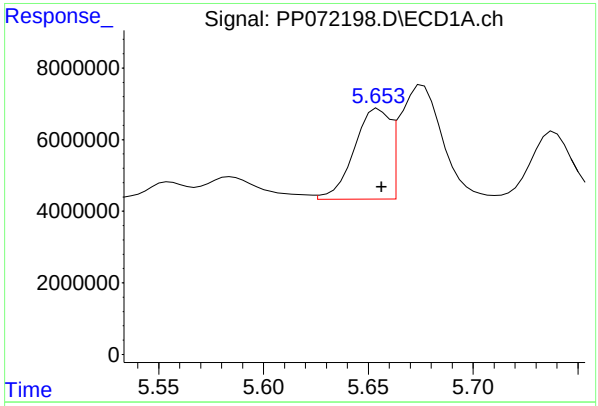
#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 81177144
Conc: 49.83 ng/ml



#2 Decachlorobiphenyl

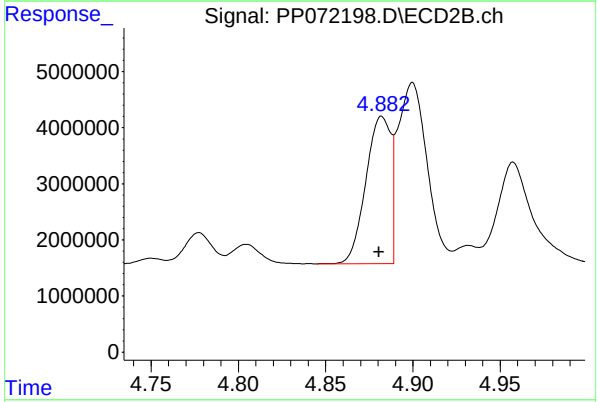
R.T.: 8.825 min
Delta R.T.: 0.002 min
Response: 55473433
Conc: 52.40 ng/ml



#16 AR-1242-1

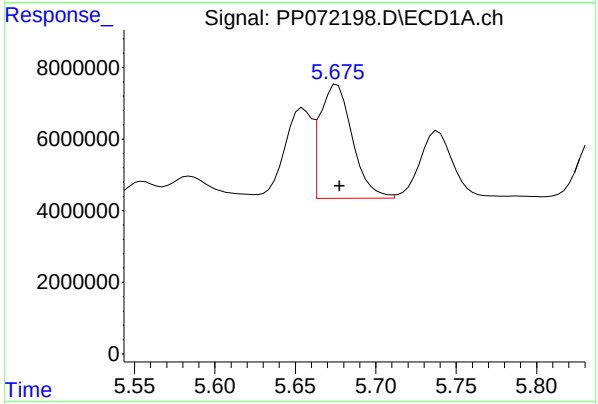
R.T.: 5.655 min
Delta R.T.: -0.002 min
Response: 30009936
Conc: 479.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



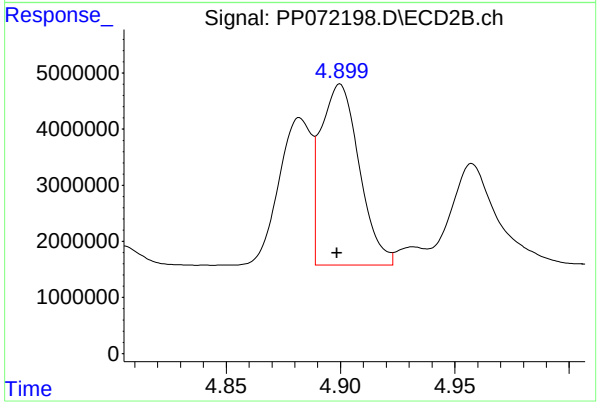
#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.002 min
Response: 25988486
Conc: 498.74 ng/ml



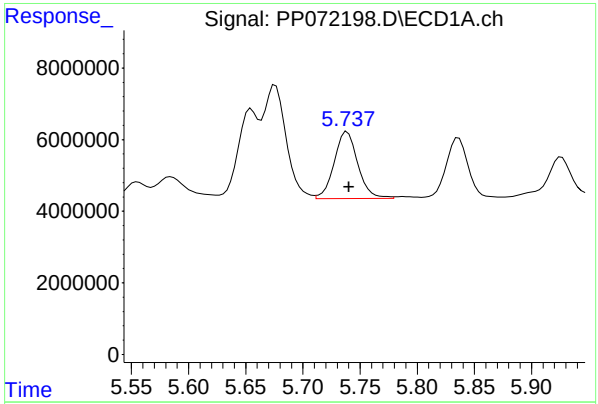
#17 AR-1242-2

R.T.: 5.676 min
Delta R.T.: -0.002 min
Response: 44873042
Conc: 517.09 ng/ml



#17 AR-1242-2

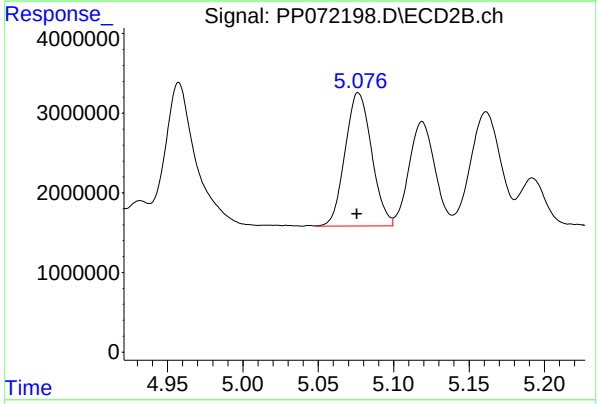
R.T.: 4.900 min
Delta R.T.: 0.001 min
Response: 37823387
Conc: 514.63 ng/ml



#18 AR-1242-3

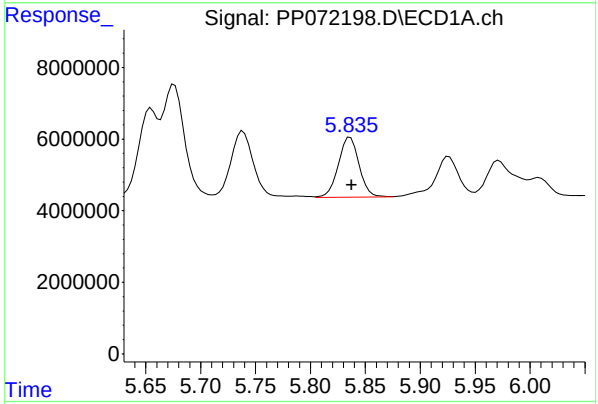
R.T.: 5.739 min
Delta R.T.: -0.002 min
Response: 26969959
Conc: 489.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



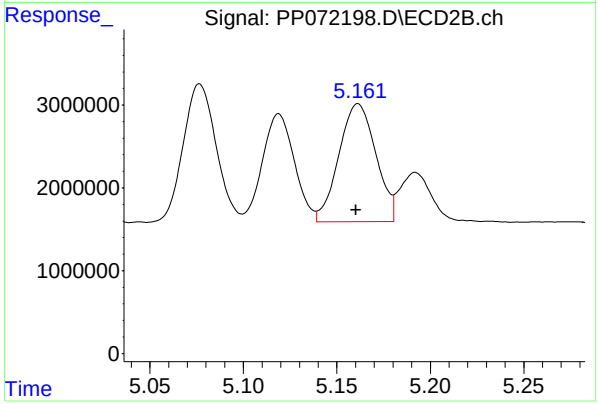
#18 AR-1242-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 20511520
Conc: 524.25 ng/ml



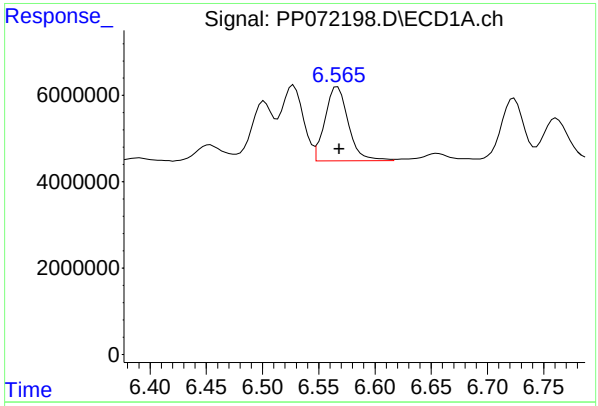
#19 AR-1242-4

R.T.: 5.836 min
Delta R.T.: -0.001 min
Response: 22146348
Conc: 499.36 ng/ml



#19 AR-1242-4

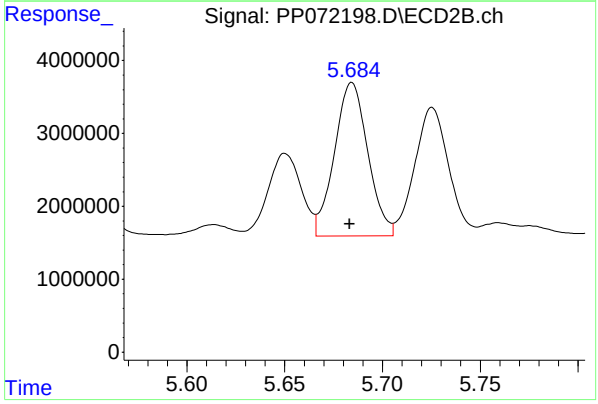
R.T.: 5.161 min
Delta R.T.: 0.001 min
Response: 19605635
Conc: 521.67 ng/ml



#20 AR-1242-5

R.T.: 6.567 min
Delta R.T.: -0.002 mi
Response: 24841123
Conc: 487.23 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242



#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.001 min
Response: 25039100
Conc: 518.86 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.798	99024800	84569869	49.246	52.910
2)	SA Decachlor...	10.212	8.824	83034822	56507020	50.969	53.379
	Target Compounds						
21)	L5 AR-1248-1	5.656	4.881	23569496	21026666	487.019	485.362
22)	L5 AR-1248-2	5.927	5.119	30714899	27827558	506.512	492.721
23)	L5 AR-1248-3	6.130	5.161	34359439	29174304	519.181	493.584
24)	L5 AR-1248-4	6.529	5.333	44131890	34133080	504.987	490.046
25)	L5 AR-1248-5	6.568	5.725	42053839	34467498	506.516	494.232

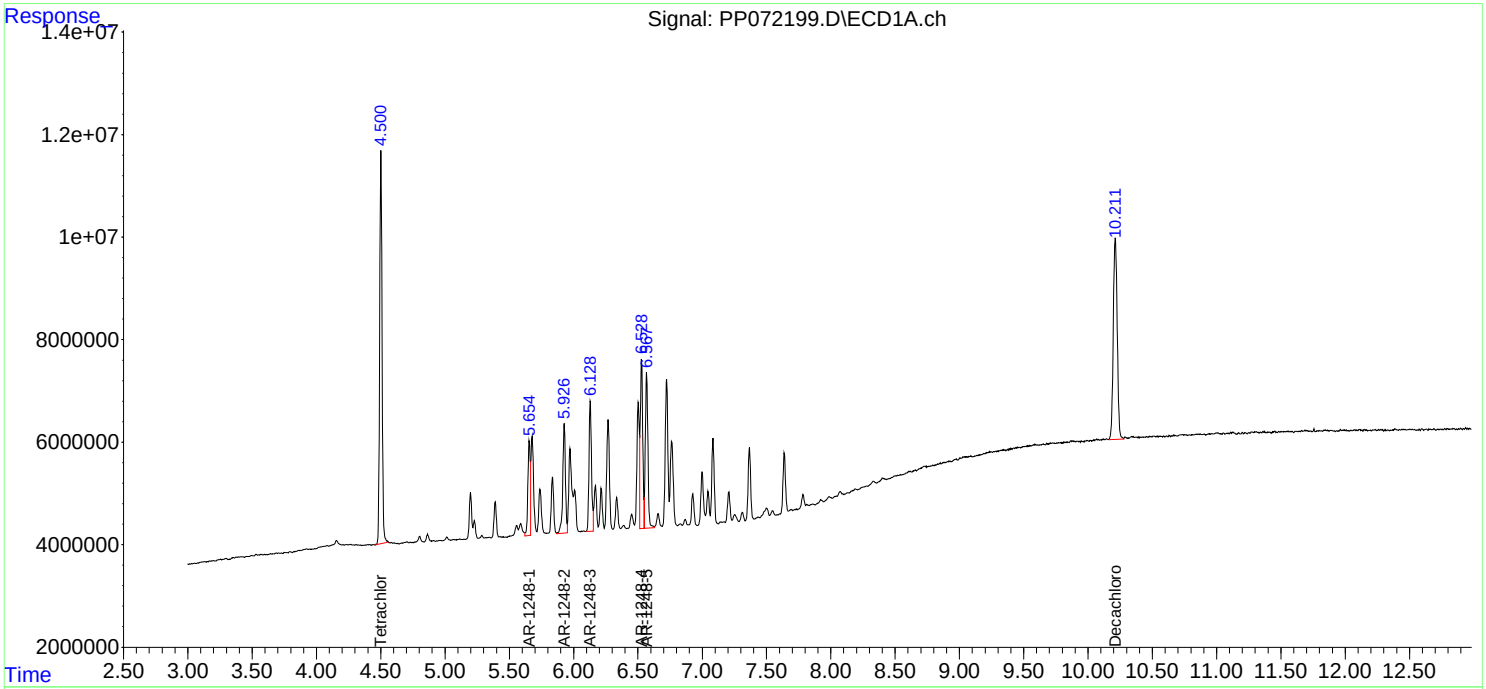
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

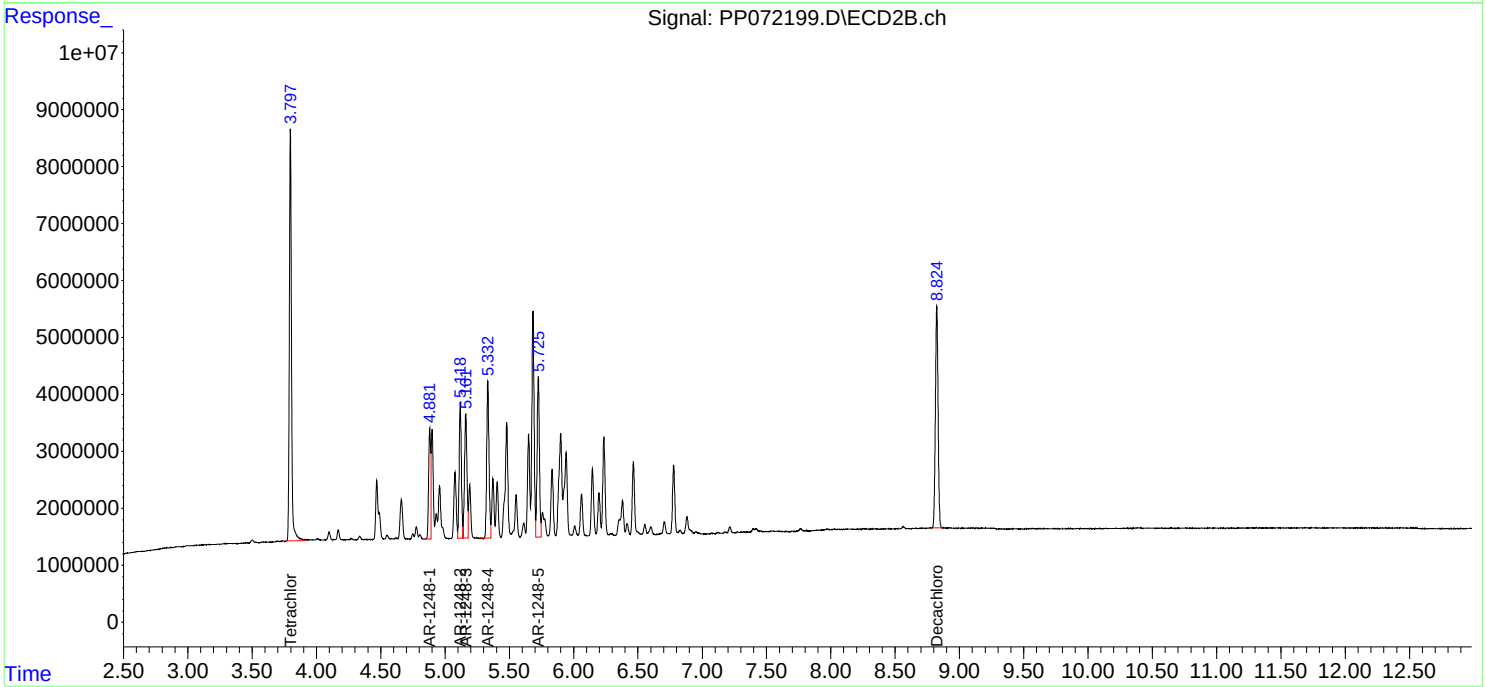
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

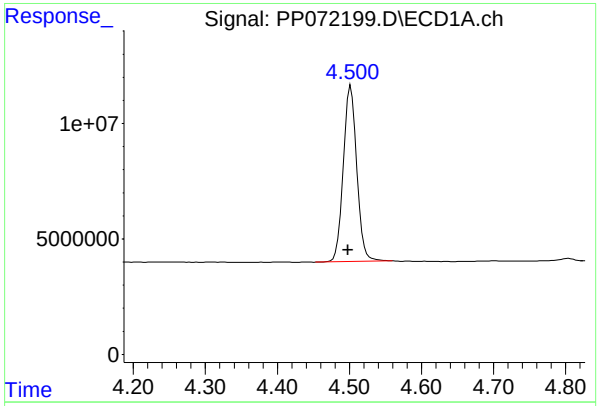
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



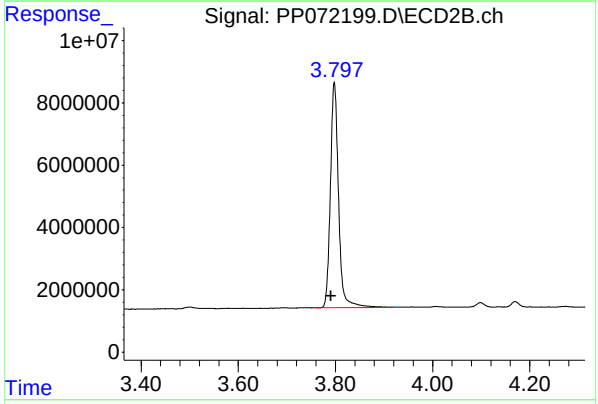




#1 Tetrachloro-m-xylene

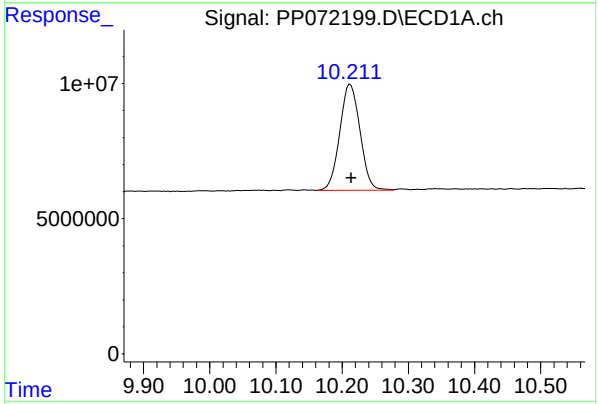
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 99024800
Conc: 49.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



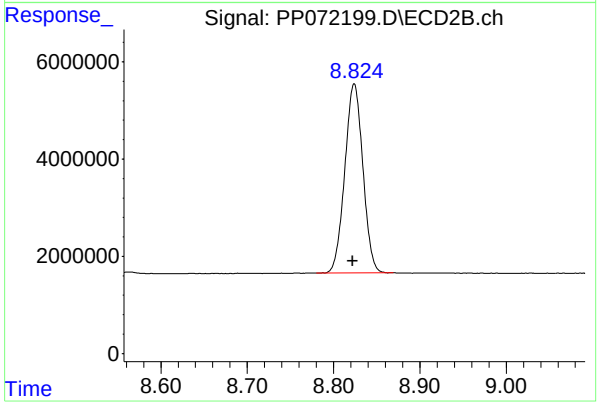
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.007 min
Response: 84569869
Conc: 52.91 ng/ml



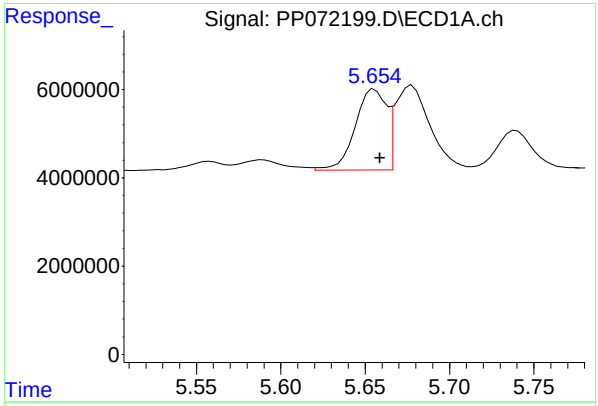
#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.002 min
Response: 83034822
Conc: 50.97 ng/ml



#2 Decachlorobiphenyl

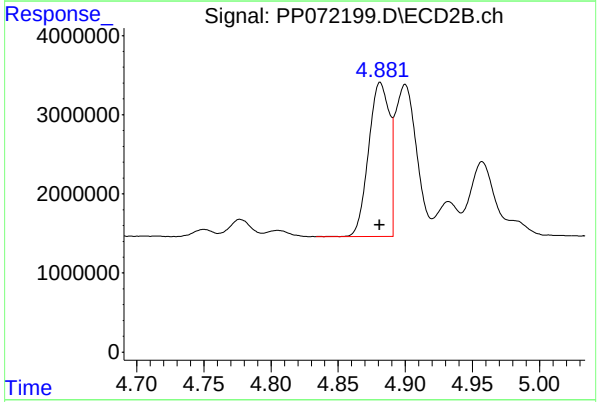
R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 56507020
Conc: 53.38 ng/ml



#21 AR-1248-1

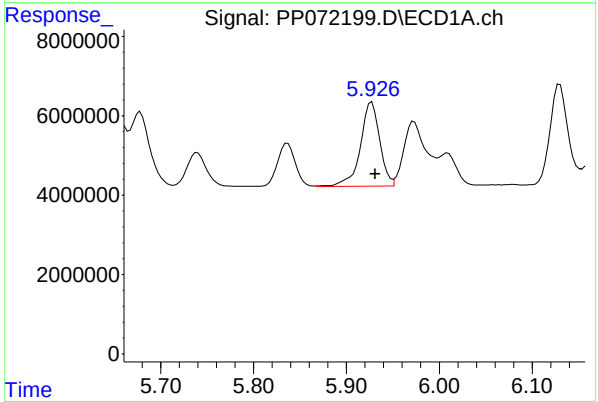
R.T.: 5.656 min
Delta R.T.: -0.003 min
Response: 23569496
Conc: 487.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



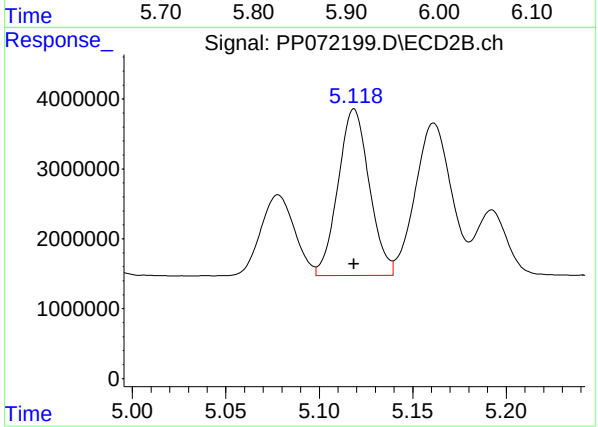
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 21026666
Conc: 485.36 ng/ml



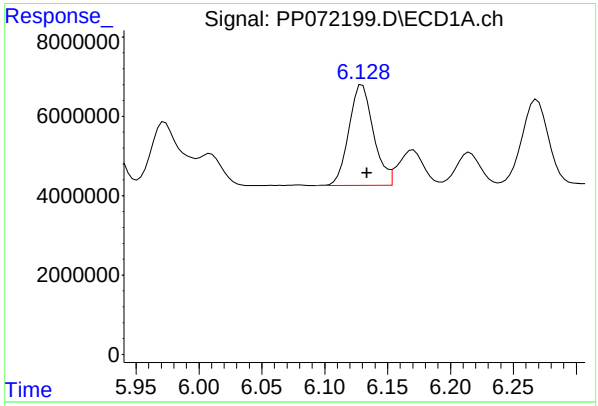
#22 AR-1248-2

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 30714899
Conc: 506.51 ng/ml



#22 AR-1248-2

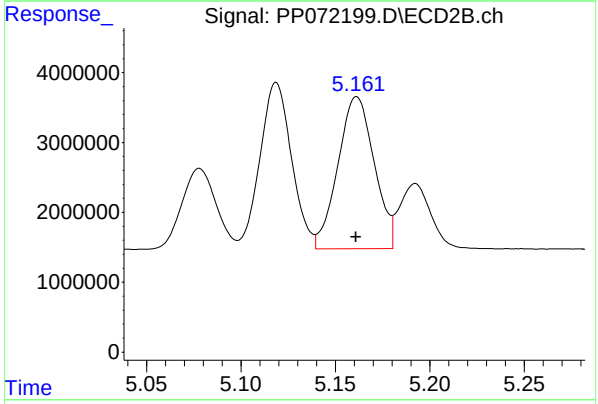
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 27827558
Conc: 492.72 ng/ml



#23 AR-1248-3

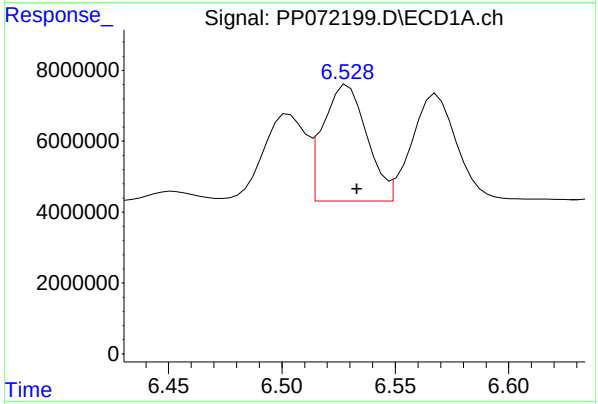
R.T.: 6.130 min
Delta R.T.: -0.004 min
Response: 34359439
Conc: 519.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



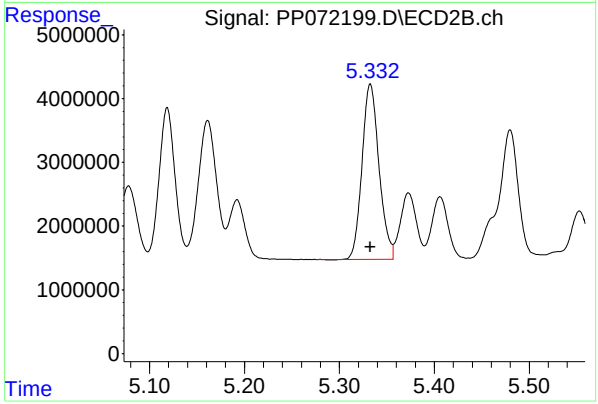
#23 AR-1248-3

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 29174304
Conc: 493.58 ng/ml



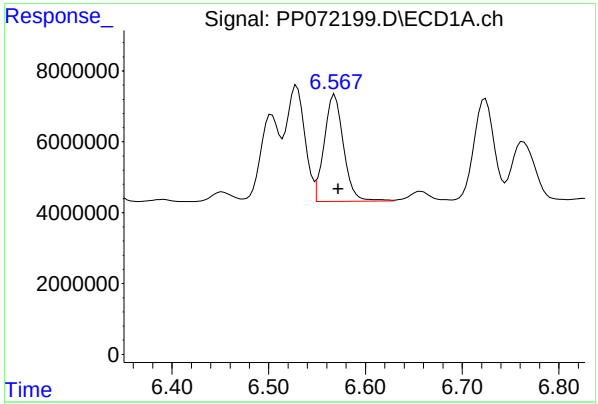
#24 AR-1248-4

R.T.: 6.529 min
Delta R.T.: -0.004 min
Response: 44131890
Conc: 504.99 ng/ml



#24 AR-1248-4

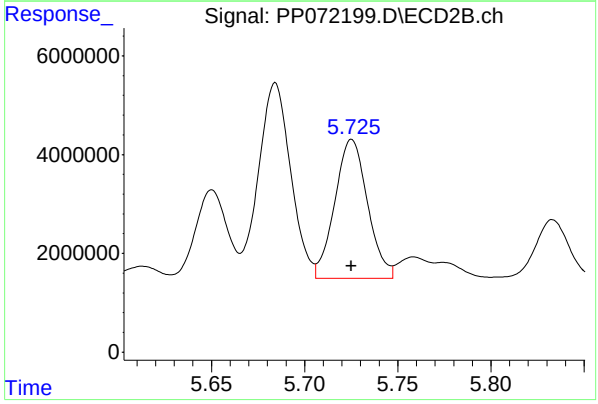
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 34133080
Conc: 490.05 ng/ml



#25 AR-1248-5

R.T.: 6.568 min
Delta R.T.: -0.003 min
Response: 42053839
Conc: 506.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248



#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 34467498
Conc: 494.23 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:52
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.797	100.3E6	87142783	49.887	54.520
2)	SA Decachlor...	10.214	8.823	83987433	56189590	51.554	53.079
	Target Compounds						
26)	L6 AR-1254-1	6.506	5.684	43414677	50851971	504.803	508.752
27)	L6 AR-1254-2	6.722	5.832	65079227	43668465	498.015	505.967
28)	L6 AR-1254-3	7.085	6.235	66155023	67680378	501.163	526.201
29)	L6 AR-1254-4	7.367	6.463	61672158	43977452	472.545	515.584
30)	L6 AR-1254-5	7.784	6.881	58110470	59298415	522.357	523.137

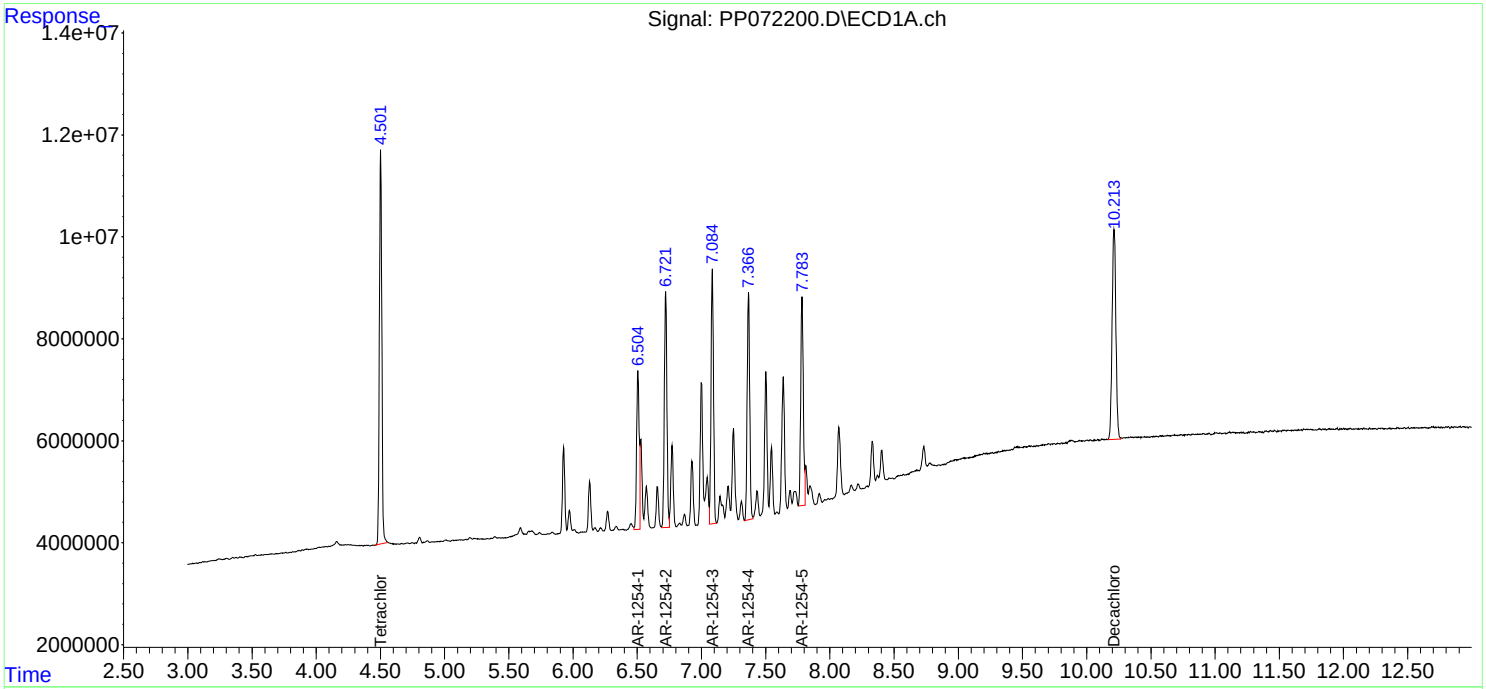
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

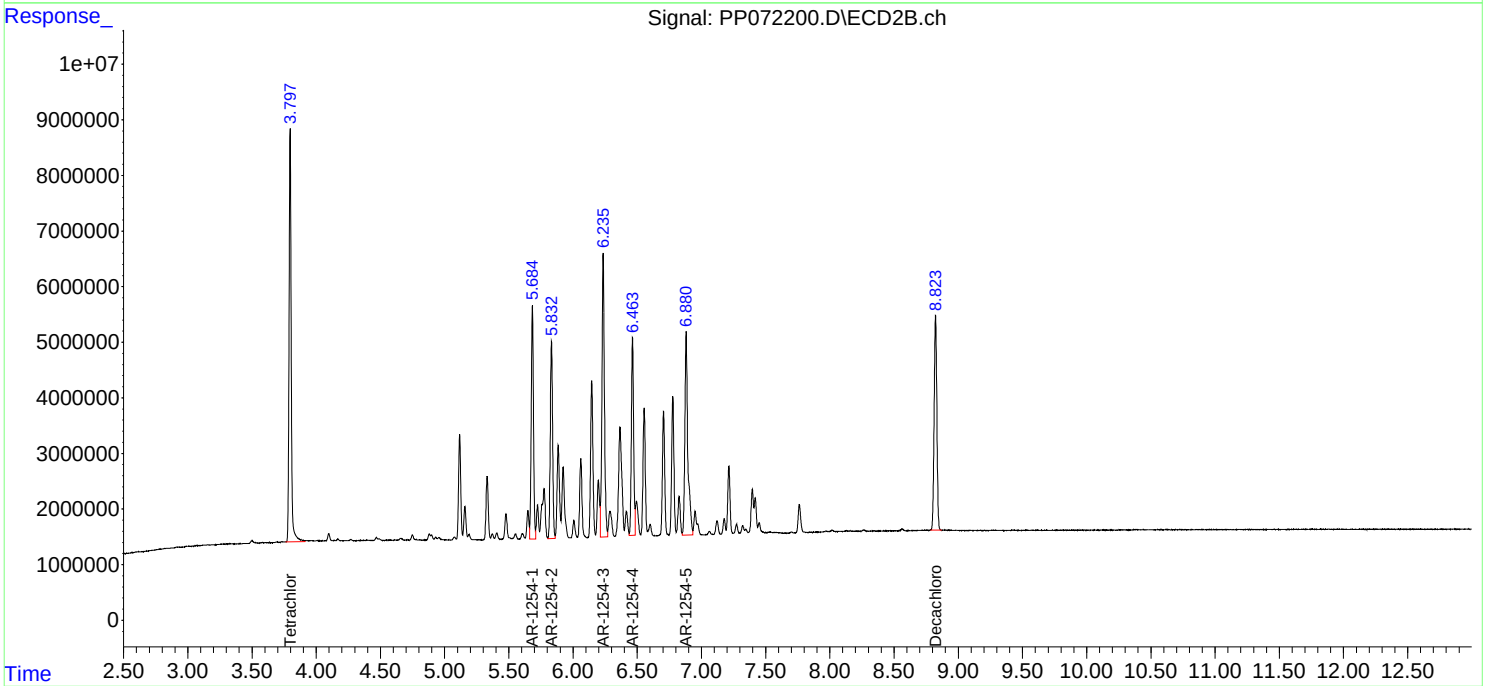
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:52
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

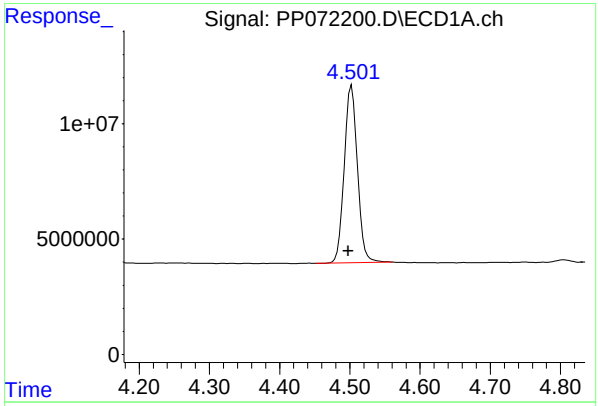
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



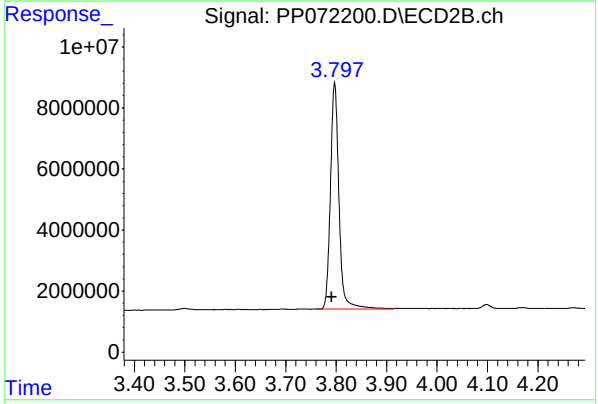




#1 Tetrachloro-m-xylene

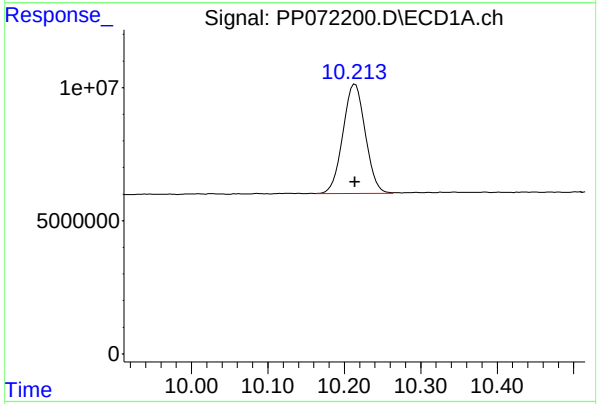
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 100311884
Conc: 49.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



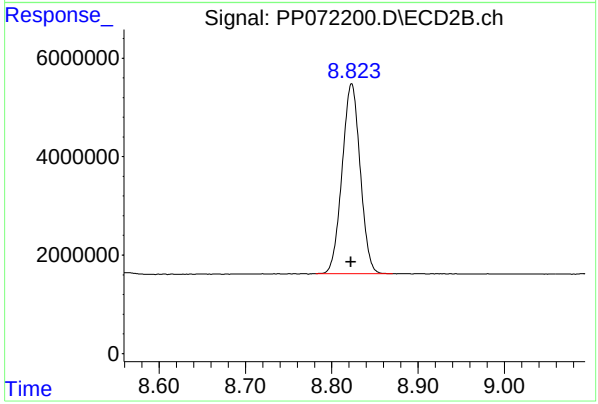
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.006 min
Response: 87142783
Conc: 54.52 ng/ml



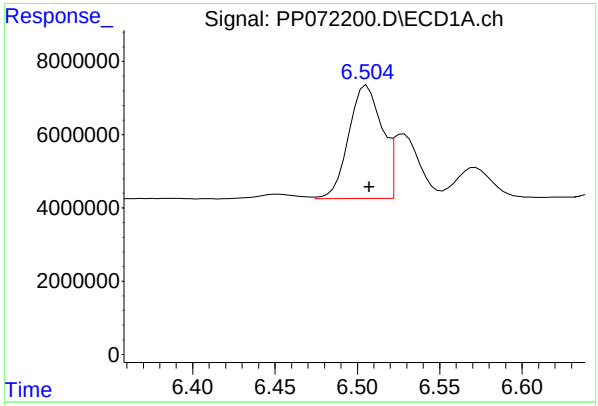
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 83987433
Conc: 51.55 ng/ml



#2 Decachlorobiphenyl

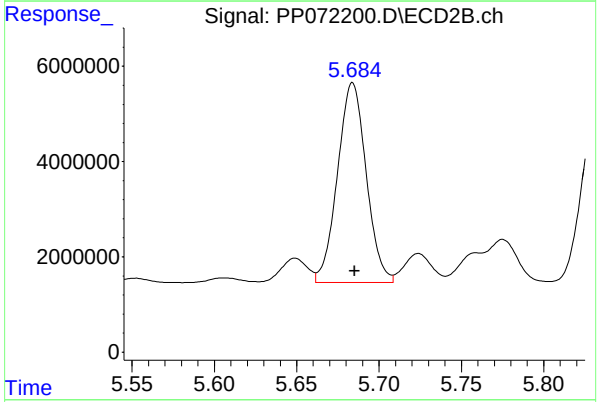
R.T.: 8.823 min
Delta R.T.: 0.000 min
Response: 56189590
Conc: 53.08 ng/ml



#26 AR-1254-1

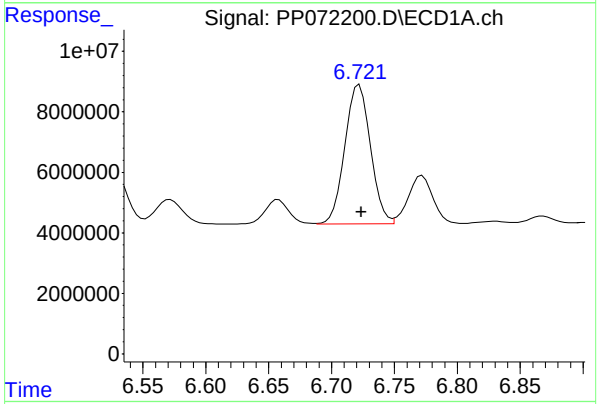
R.T.: 6.506 min
Delta R.T.: -0.002 min
Response: 43414677
Conc: 504.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



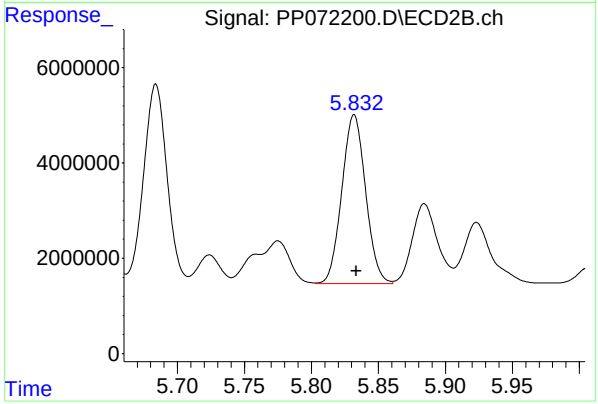
#26 AR-1254-1

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 50851971
Conc: 508.75 ng/ml



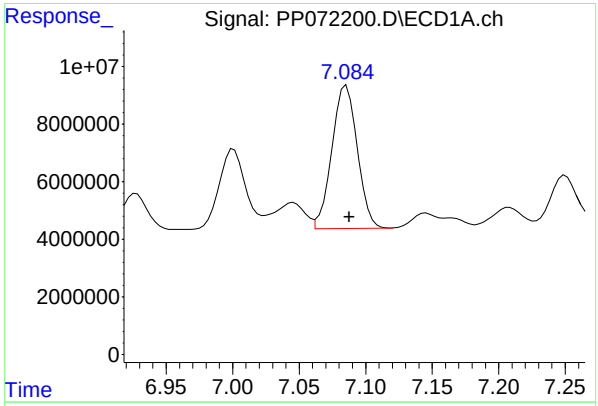
#27 AR-1254-2

R.T.: 6.722 min
Delta R.T.: -0.002 min
Response: 65079227
Conc: 498.01 ng/ml



#27 AR-1254-2

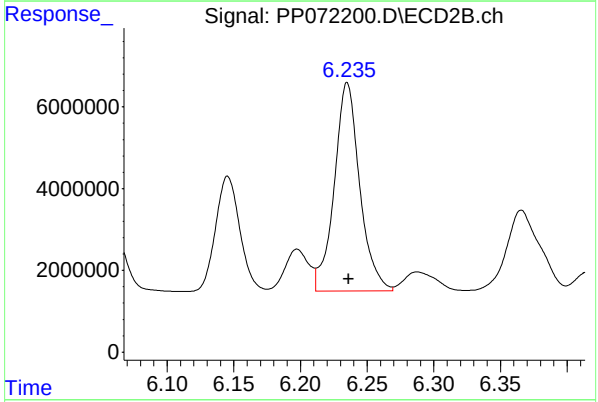
R.T.: 5.832 min
Delta R.T.: -0.002 min
Response: 43668465
Conc: 505.97 ng/ml



#28 AR-1254-3

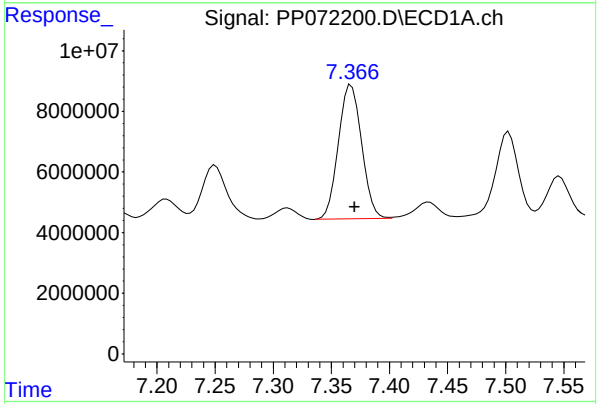
R.T.: 7.085 min
Delta R.T.: -0.002 min
Response: 66155023
Conc: 501.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



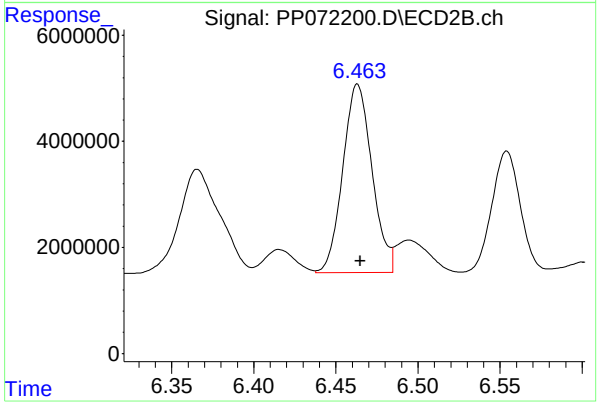
#28 AR-1254-3

R.T.: 6.235 min
Delta R.T.: -0.001 min
Response: 67680378
Conc: 526.20 ng/ml



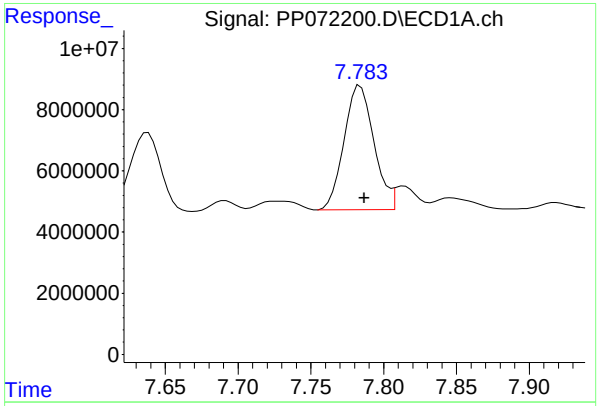
#29 AR-1254-4

R.T.: 7.367 min
Delta R.T.: -0.003 min
Response: 61672158
Conc: 472.54 ng/ml



#29 AR-1254-4

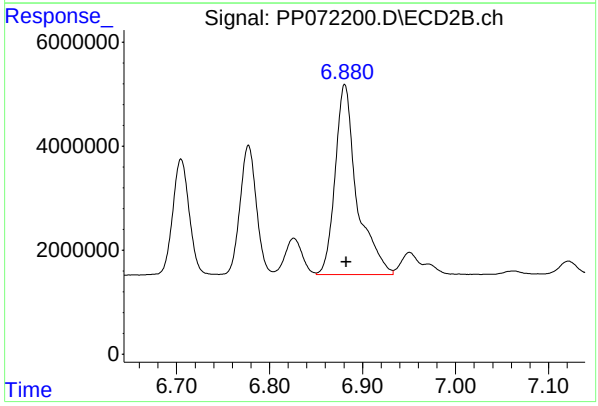
R.T.: 6.463 min
Delta R.T.: -0.002 min
Response: 43977452
Conc: 515.58 ng/ml



#30 AR-1254-5

R.T.: 7.784 min
Delta R.T.: -0.003 min
Response: 58110470
Conc: 522.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254



#30 AR-1254-5

R.T.: 6.881 min
Delta R.T.: -0.002 min
Response: 59298415
Conc: 523.14 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:25
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:19:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.504	3.798	100.4E6	87828193	52.612	54.920
2)	SA Decachlor...	10.216	8.824	147.5E6	102.0E6	52.061	53.249
	Target Compounds						
41)	L9 AR-1268-1	8.720	7.702	171.0E6	124.0E6	513.323	529.555
42)	L9 AR-1268-2	8.812	7.768	144.0E6	108.9E6	514.169	526.775
43)	L9 AR-1268-3	9.044	7.971	123.7E6	91750131	512.196	541.712
44)	L9 AR-1268-4	9.463	8.266	54675516	40276953	520.976	552.065
45)	L9 AR-1268-5	9.877	8.565	344.9E6	244.7E6	509.466	535.577

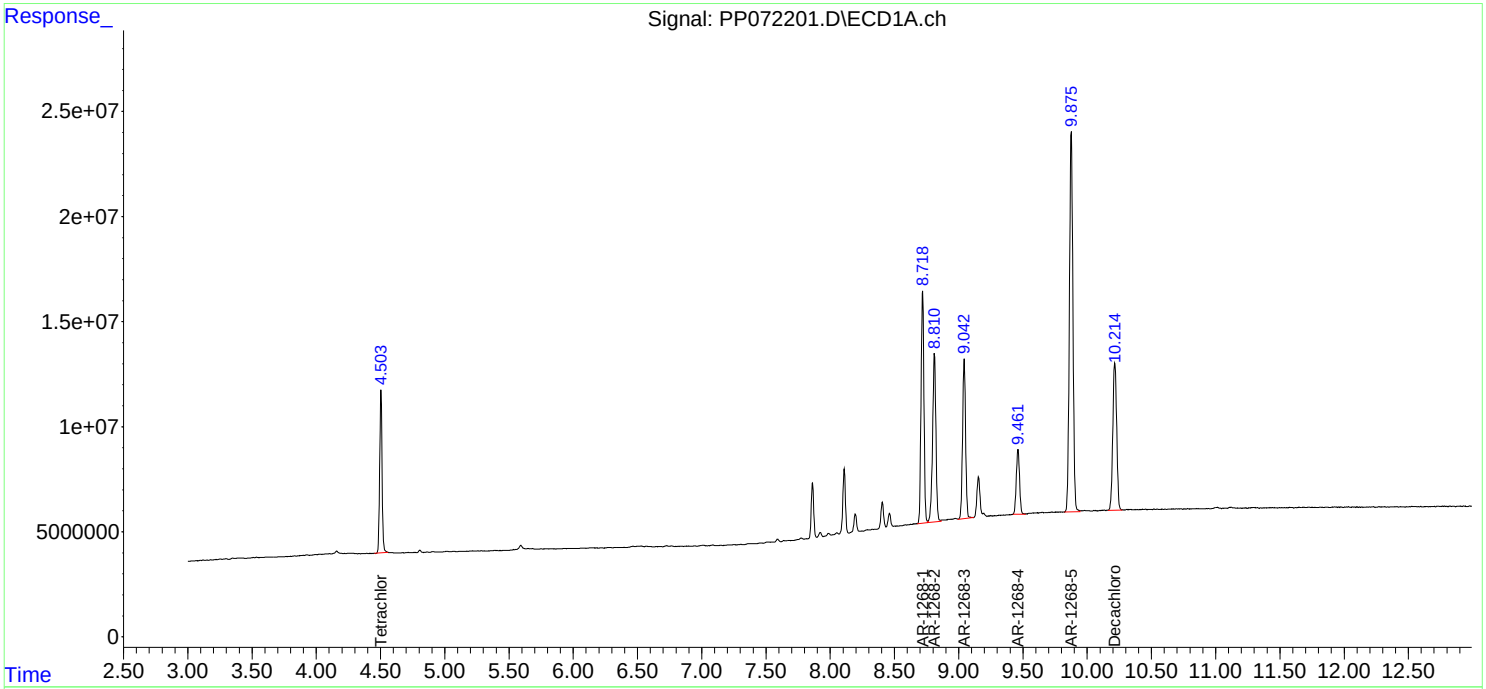
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

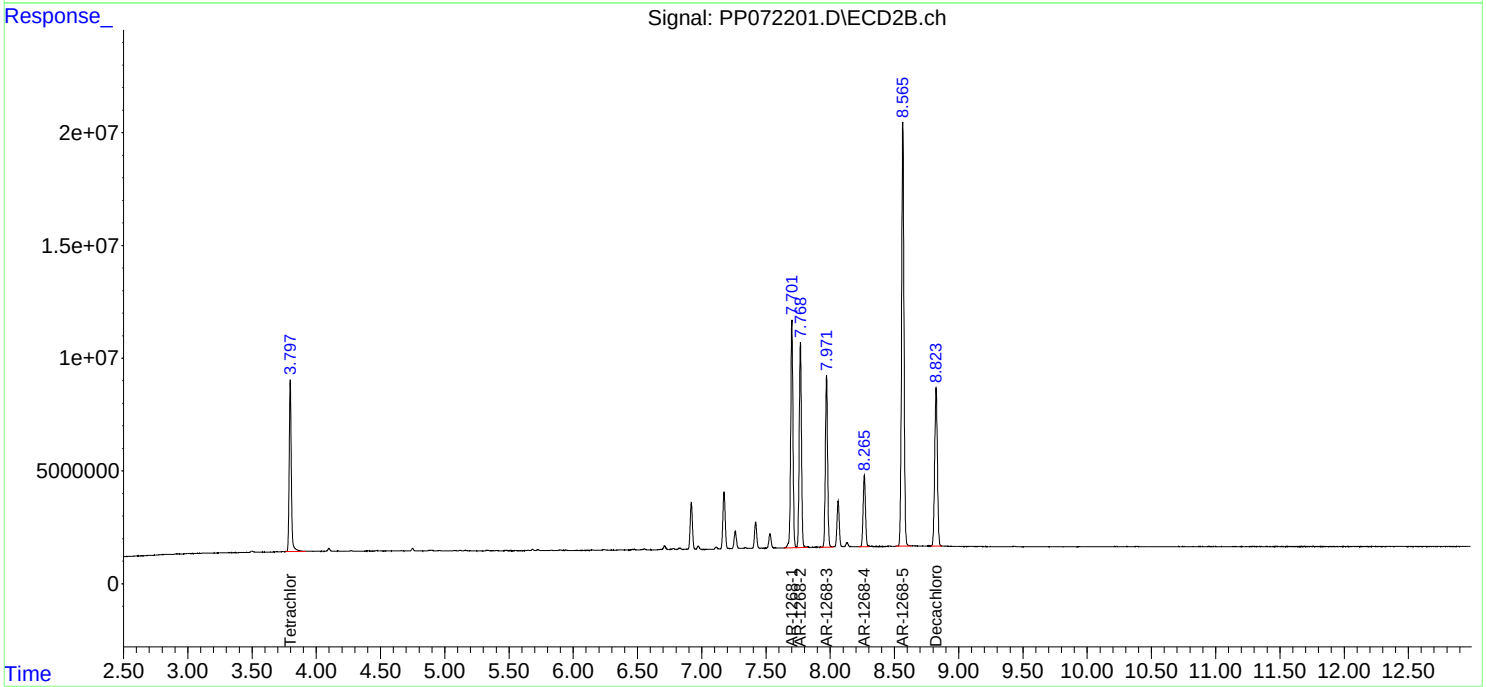
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:25
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

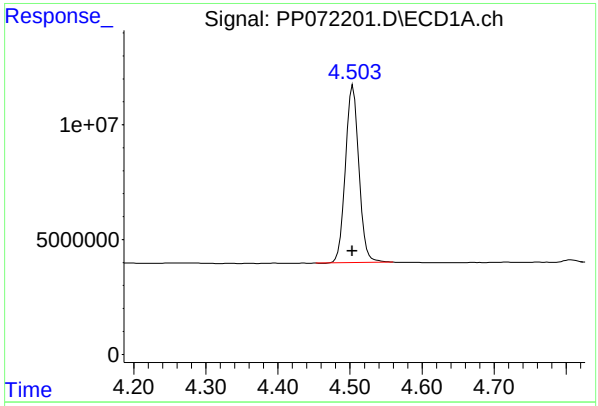
Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:19:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



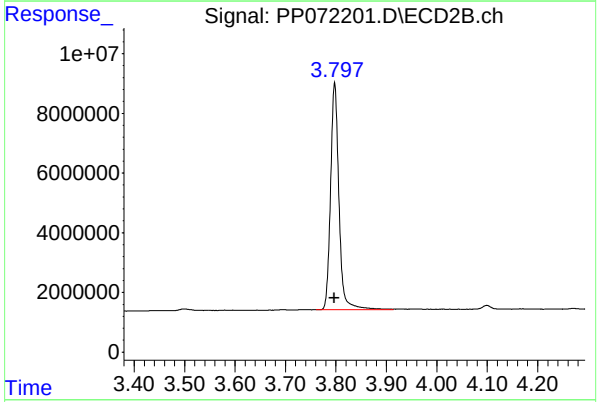




#1 Tetrachloro-m-xylene

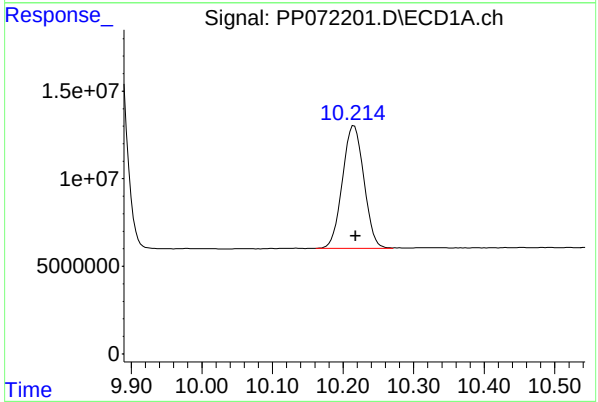
R.T.: 4.504 min
Delta R.T.: 0.001 min
Response: 100428781
Conc: 52.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



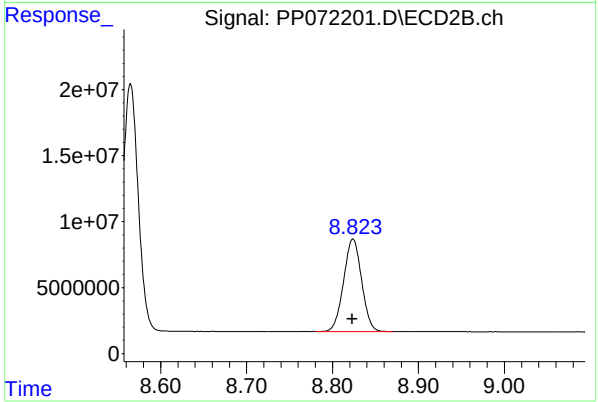
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 87828193
Conc: 54.92 ng/ml



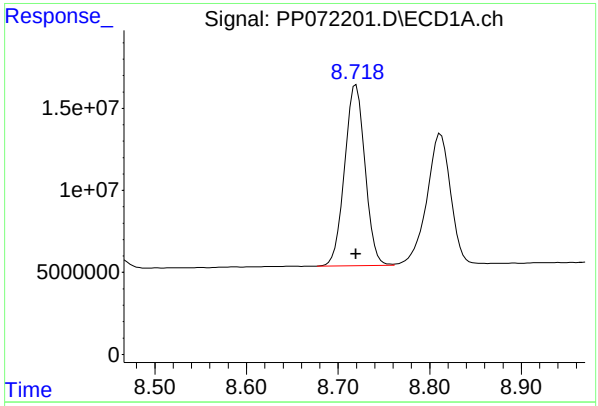
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.002 min
Response: 147465994
Conc: 52.06 ng/ml



#2 Decachlorobiphenyl

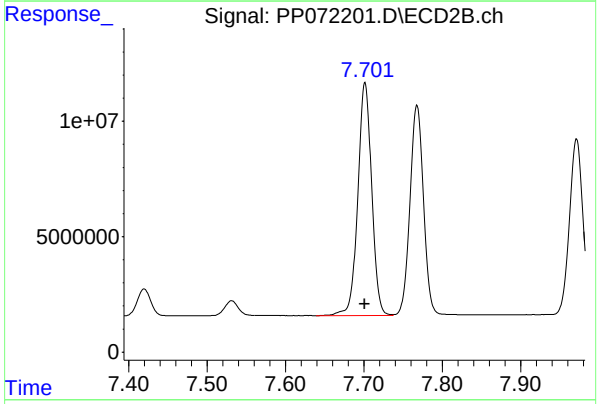
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 101950666
Conc: 53.25 ng/ml



#41 AR-1268-1

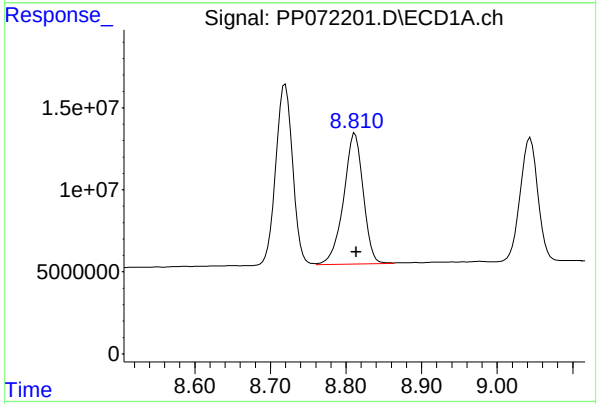
R.T.: 8.720 min
Delta R.T.: 0.000 min
Response: 171014372
Conc: 513.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



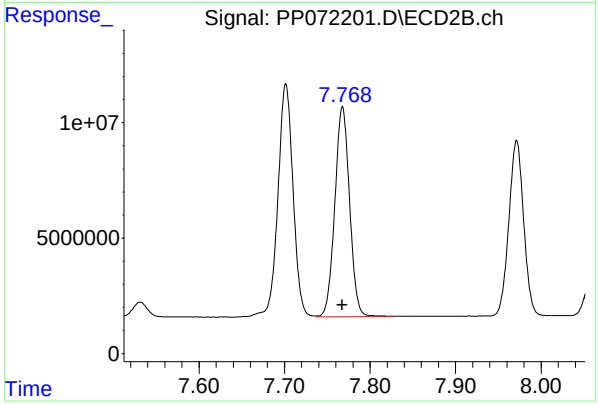
#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 124031081
Conc: 529.56 ng/ml



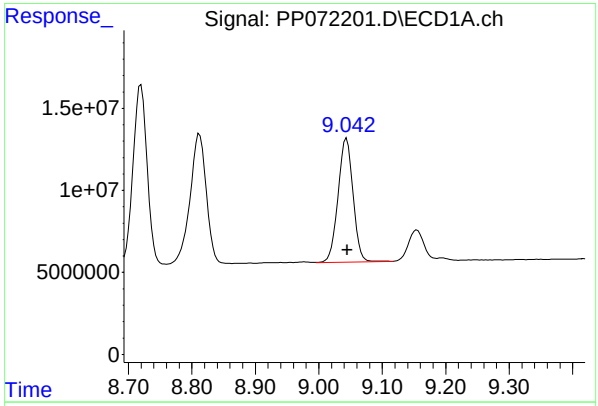
#42 AR-1268-2

R.T.: 8.812 min
Delta R.T.: -0.002 min
Response: 143961364
Conc: 514.17 ng/ml



#42 AR-1268-2

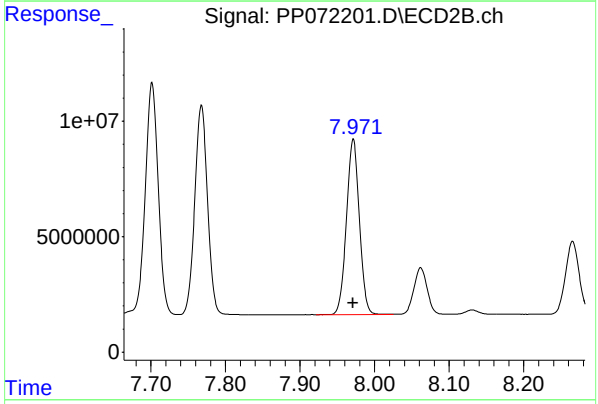
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 108947480
Conc: 526.78 ng/ml



#43 AR-1268-3

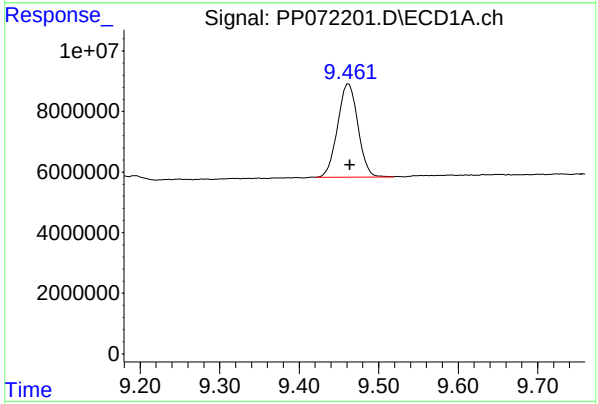
R.T.: 9.044 min
Delta R.T.: -0.001 min
Response: 123677575
Conc: 512.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



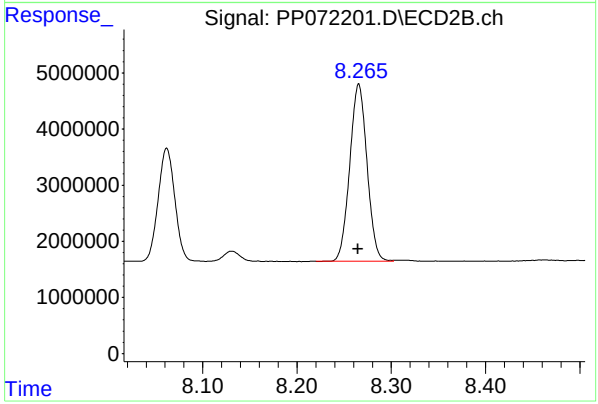
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 91750131
Conc: 541.71 ng/ml



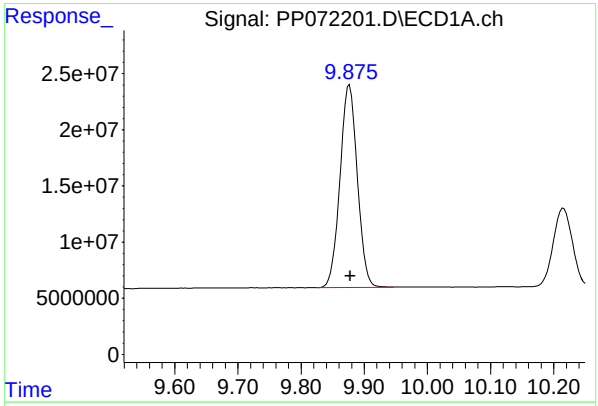
#44 AR-1268-4

R.T.: 9.463 min
Delta R.T.: -0.001 min
Response: 54675516
Conc: 520.98 ng/ml



#44 AR-1268-4

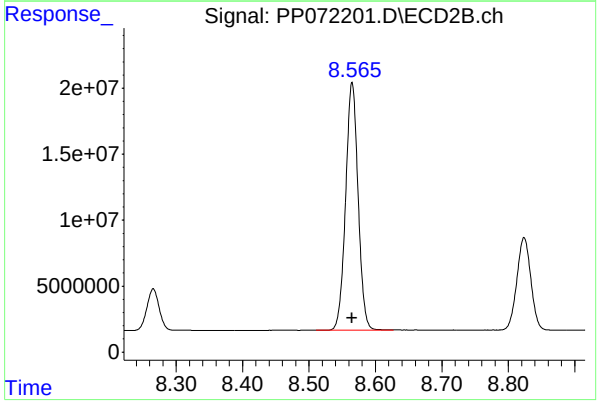
R.T.: 8.266 min
Delta R.T.: 0.000 min
Response: 40276953
Conc: 552.07 ng/ml



#45 AR-1268-5

R.T.: 9.877 min
Delta R.T.: -0.001 mi
Response: 344908763
Conc: 509.47 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: 0.000 min
Response: 244738283
Conc: 535.58 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 09:22 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 09:22 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/09/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072732.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.650	5.552	5.752	466.900	500.000	-6.6
Aroclor-1016-2	5.671	5.574	5.774	500.040	500.000	0.0
Aroclor-1016-3	5.733	5.636	5.836	501.080	500.000	0.2
Aroclor-1016-4	5.831	5.734	5.934	527.290	500.000	5.5
Aroclor-1016-5	6.123	6.027	6.227	407.640	500.000	-18.5
Aroclor-1260-1	7.241	7.147	7.347	486.440	500.000	-2.7
Aroclor-1260-2	7.494	7.401	7.601	485.810	500.000	-2.8
Aroclor-1260-3	7.852	7.760	7.960	504.460	500.000	0.9
Aroclor-1260-4	8.077	7.985	8.185	501.920	500.000	0.4
Aroclor-1260-5	8.395	8.303	8.503	534.190	500.000	6.8
Decachlorobiphenyl	10.196	10.113	10.313	52.060	50.000	4.1
Tetrachloro-m-xylene	4.498	4.396	4.596	53.360	50.000	6.7

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/09/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072732.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	512.090	500.000	2.4
Aroclor-1016-2	4.892	4.795	4.995	526.060	500.000	5.2
Aroclor-1016-3	5.068	4.973	5.173	531.050	500.000	6.2
Aroclor-1016-4	5.110	5.015	5.215	536.050	500.000	7.2
Aroclor-1016-5	5.324	5.229	5.429	537.990	500.000	7.6
Aroclor-1260-1	6.355	6.264	6.464	537.850	500.000	7.6
Aroclor-1260-2	6.544	6.453	6.653	517.950	500.000	3.6
Aroclor-1260-3	6.696	6.606	6.806	542.980	500.000	8.6
Aroclor-1260-4	7.167	7.077	7.277	547.180	500.000	9.4
Aroclor-1260-5	7.409	7.319	7.519	551.870	500.000	10.4
Decachlorobiphenyl	8.806	8.723	8.923	55.450	50.000	10.9
Tetrachloro-m-xylene	3.793	3.691	3.891	53.430	50.000	6.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 09:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.498	3.793	107.3E6	85407641	53.358	53.435
2)	SA Decachlor...	10.196	8.806	84810608	58694742	52.059m	55.446m
	Target Compounds						
3)	L1 AR-1016-1	5.650	4.874	35056328	31457703	466.897	512.094
4)	L1 AR-1016-2	5.671	4.892	53500468	46182413	500.043	526.059
5)	L1 AR-1016-3	5.733	5.068	32853179	25306958	501.078	531.051
6)	L1 AR-1016-4	5.831	5.110	28088919	20394030	527.293	536.046
7)	L1 AR-1016-5	6.123	5.324	19937557	26804849	407.644	537.986 #
31)	L7 AR-1260-1	7.241	6.355	45528091	42895187	486.438	537.846
32)	L7 AR-1260-2	7.494	6.544	69709217	52531612	485.813	517.950
33)	L7 AR-1260-3	7.852	6.696	57442944	47186340	504.457	542.981
34)	L7 AR-1260-4	8.077	7.167	53857489	39446748	501.922	547.180
35)	L7 AR-1260-5	8.395	7.409	126.4E6	95818612	534.194	551.874

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

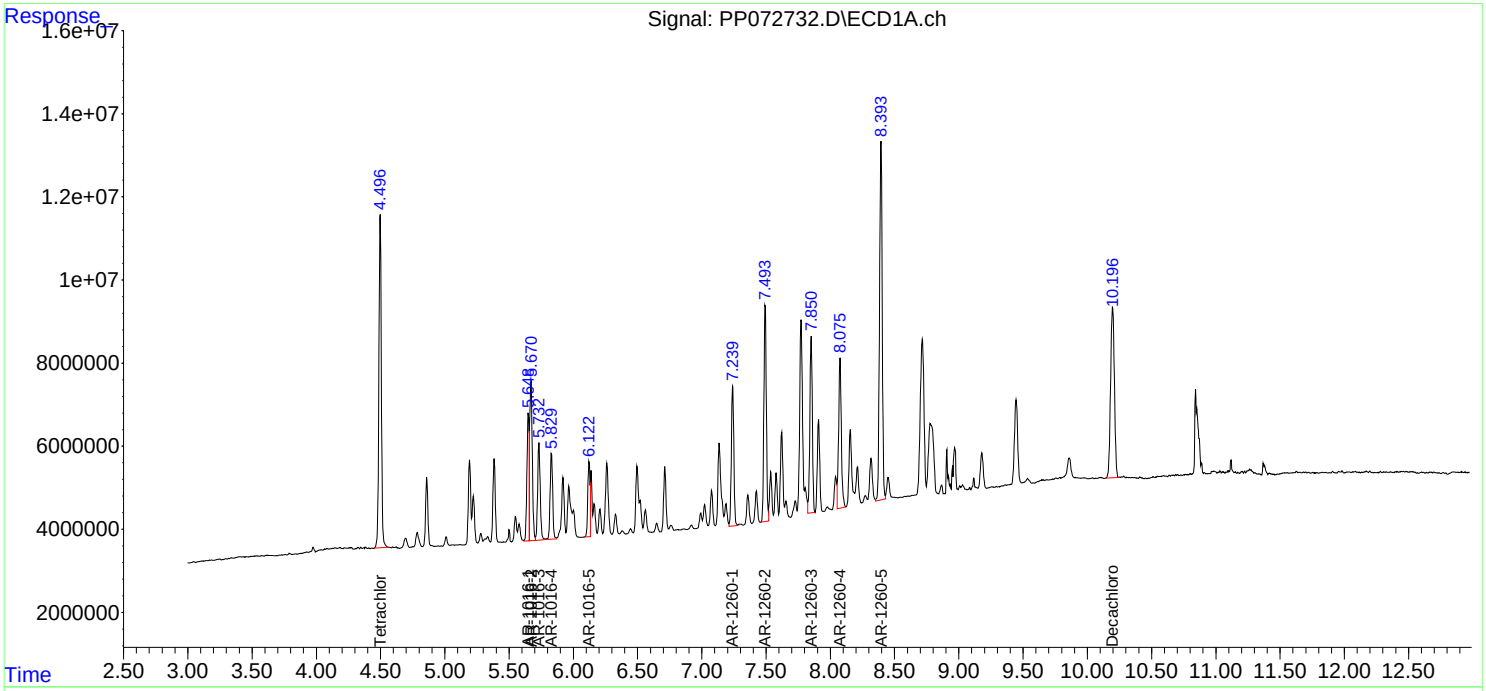
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 09:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

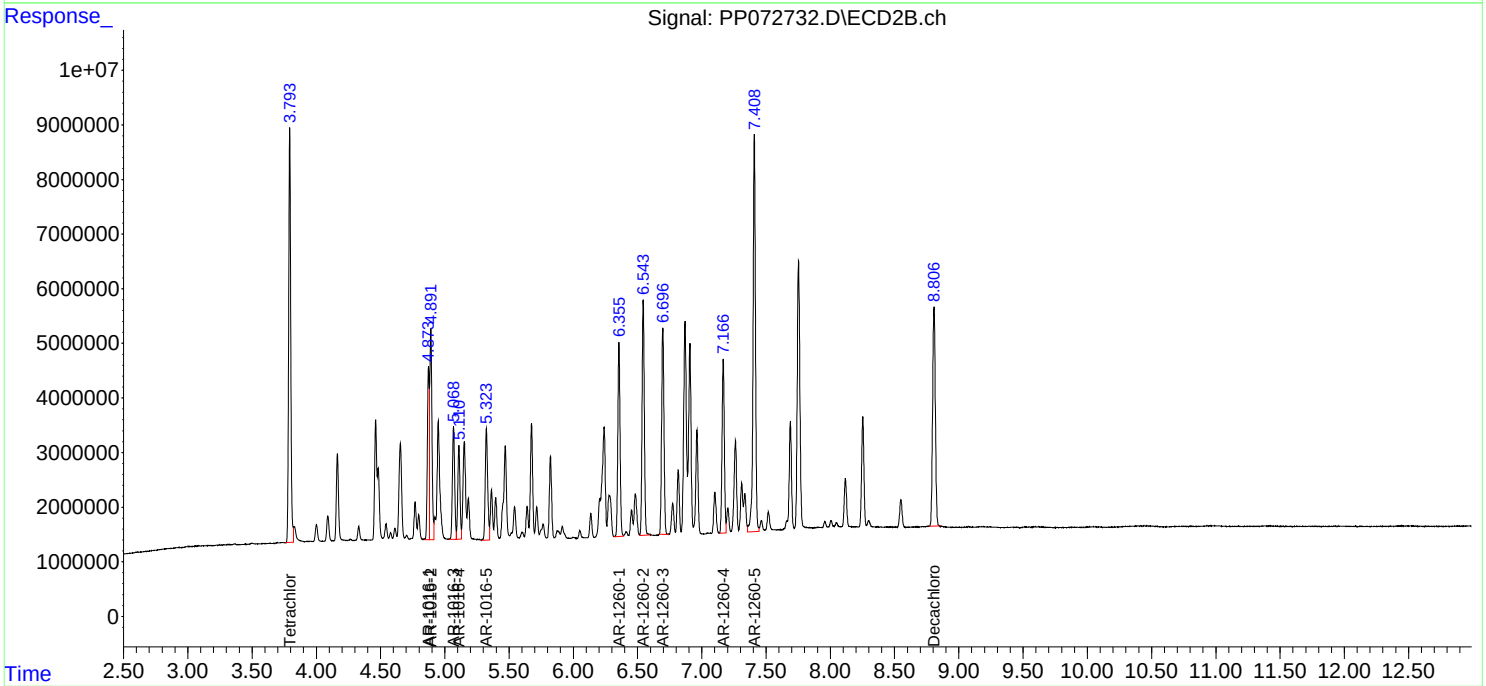
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

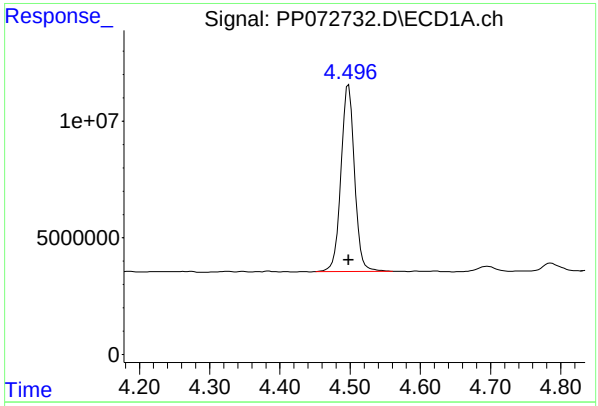
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







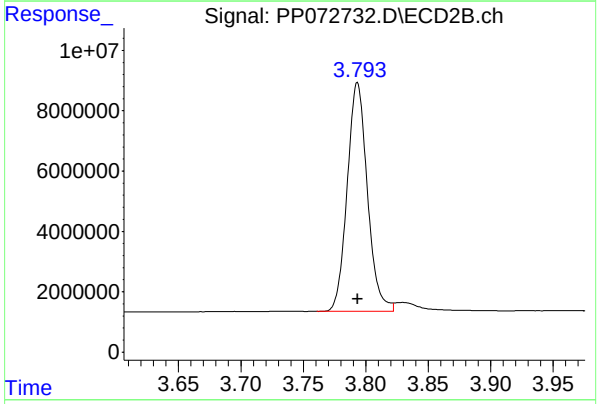
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 mi
Response: 107292247
Conc: 53.36 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

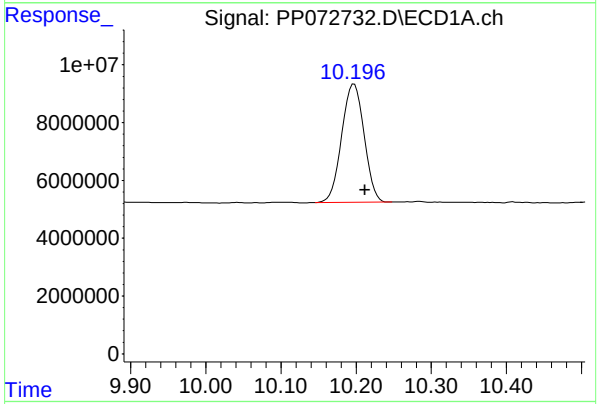
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



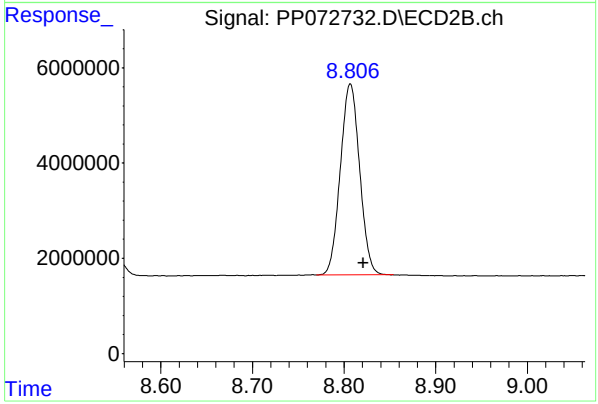
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 85407641
Conc: 53.43 ng/ml



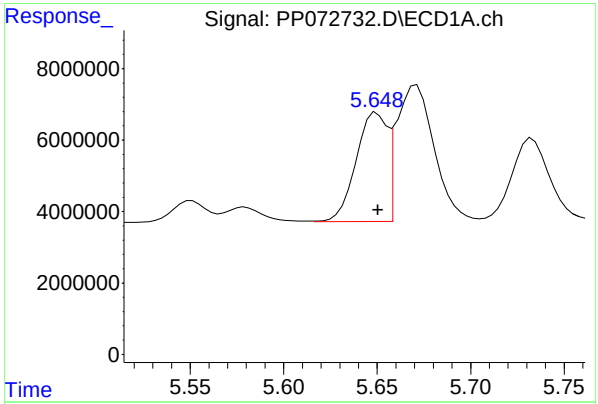
#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.016 min
Response: 84810608
Conc: 52.06 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: -0.015 min
Response: 58694742
Conc: 55.45 ng/ml m



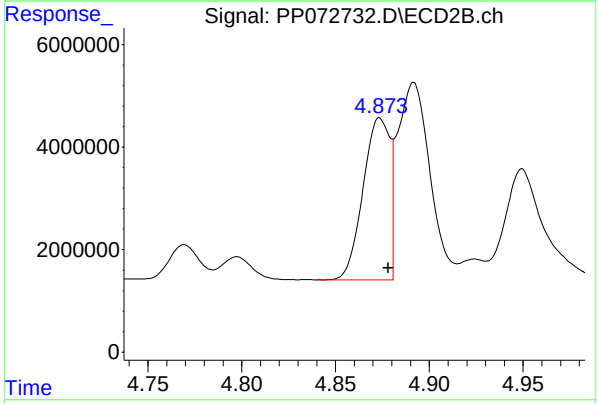
#3 AR-1016-1

R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 35056328
Conc: 466.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

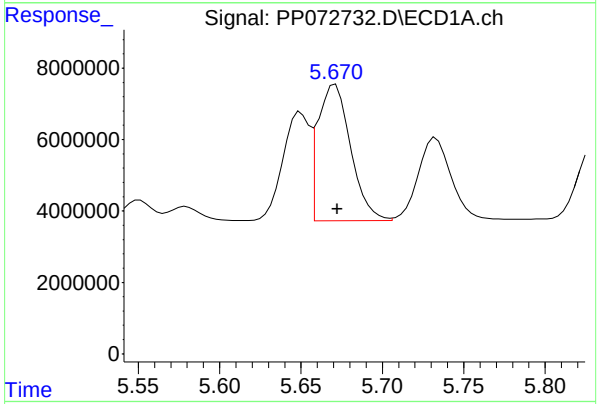
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



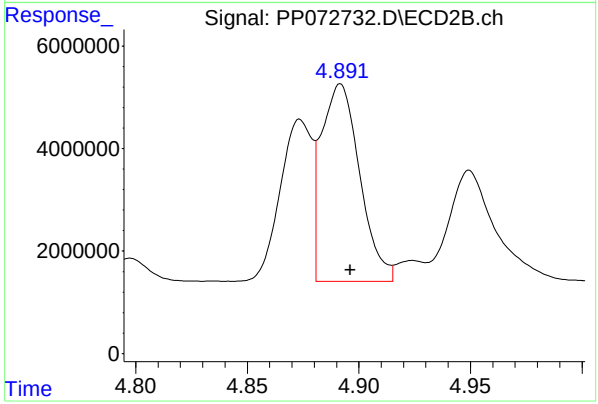
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.005 min
Response: 31457703
Conc: 512.09 ng/ml



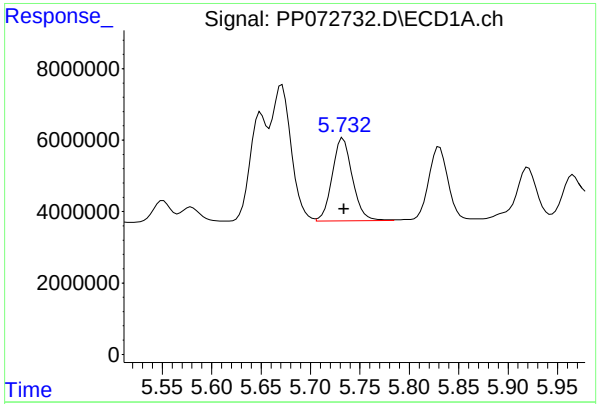
#4 AR-1016-2

R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 53500468
Conc: 500.04 ng/ml



#4 AR-1016-2

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 46182413
Conc: 526.06 ng/ml



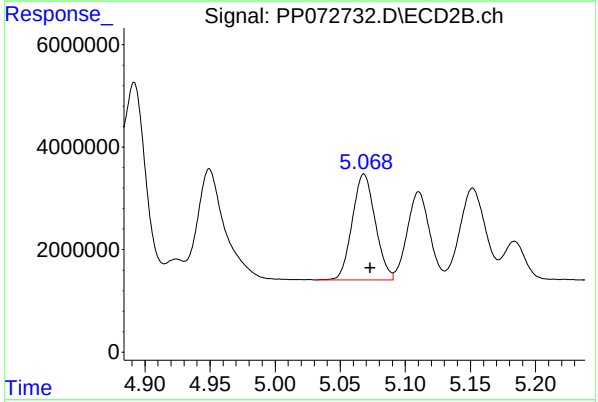
#5 AR-1016-3

R.T.: 5.733 min
Delta R.T.: 0.000 mi
Response: 32853179
Conc: 501.08 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

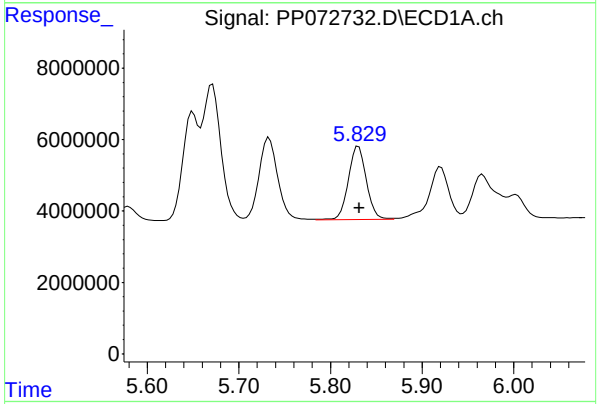
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



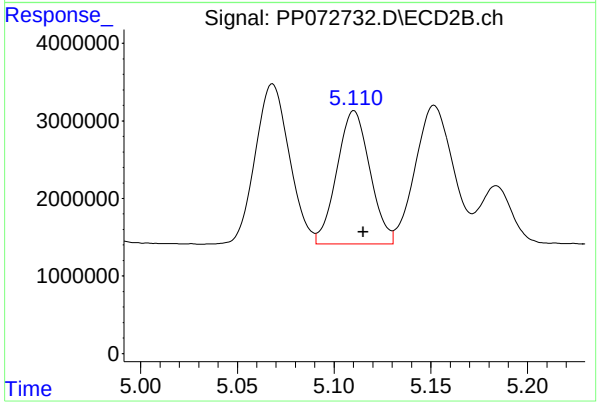
#5 AR-1016-3

R.T.: 5.068 min
Delta R.T.: -0.005 min
Response: 25306958
Conc: 531.05 ng/ml



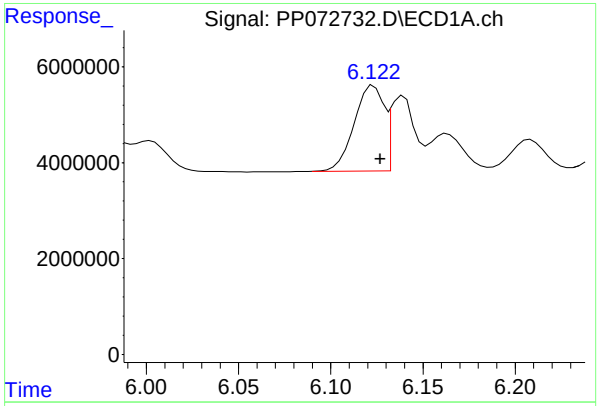
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: -0.001 min
Response: 28088919
Conc: 527.29 ng/ml



#6 AR-1016-4

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 20394030
Conc: 536.05 ng/ml



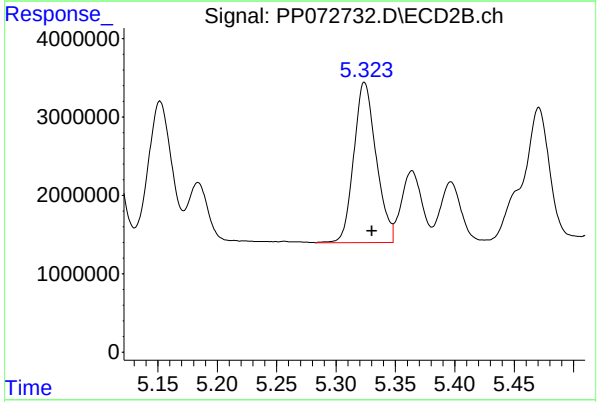
#7 AR-1016-5

R.T.: 6.123 min
Delta R.T.: -0.004 min
Response: 19937557
Conc: 407.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

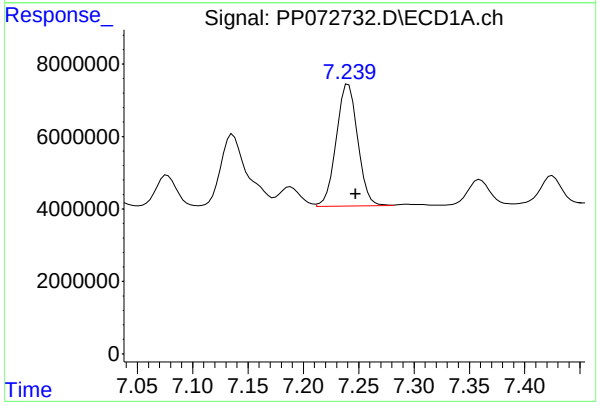
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



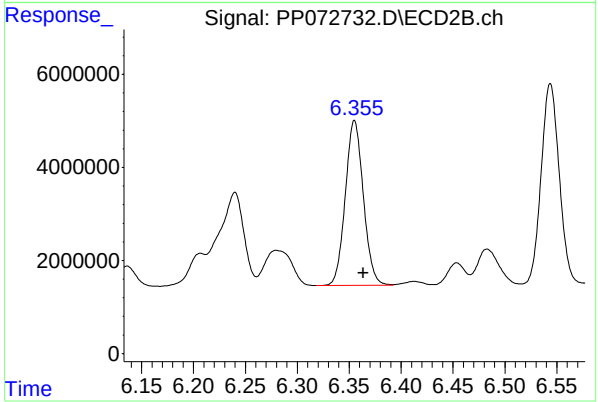
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 26804849
Conc: 537.99 ng/ml



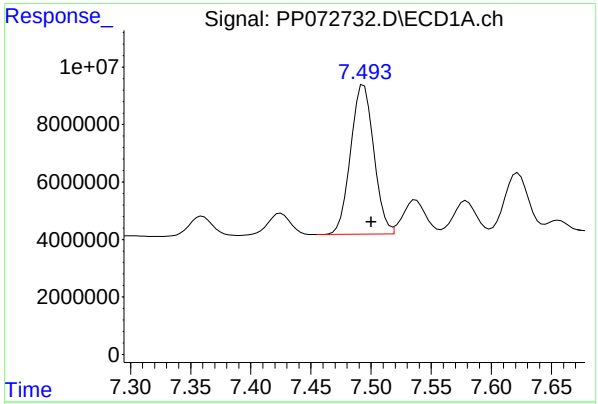
#31 AR-1260-1

R.T.: 7.241 min
Delta R.T.: -0.006 min
Response: 45528091
Conc: 486.44 ng/ml



#31 AR-1260-1

R.T.: 6.355 min
Delta R.T.: -0.009 min
Response: 42895187
Conc: 537.85 ng/ml



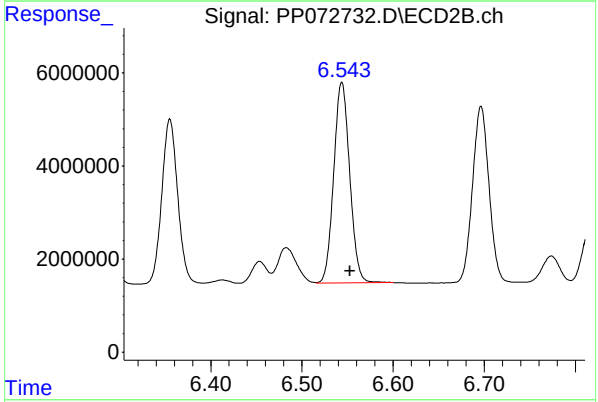
#32 AR-1260-2

R.T.: 7.494 min
Delta R.T.: -0.006 min
Response: 69709217
Conc: 485.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

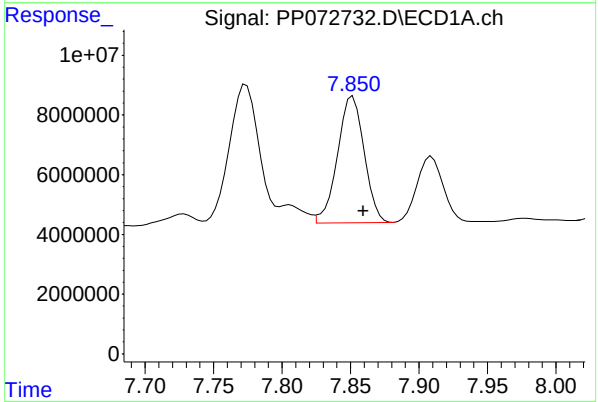
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



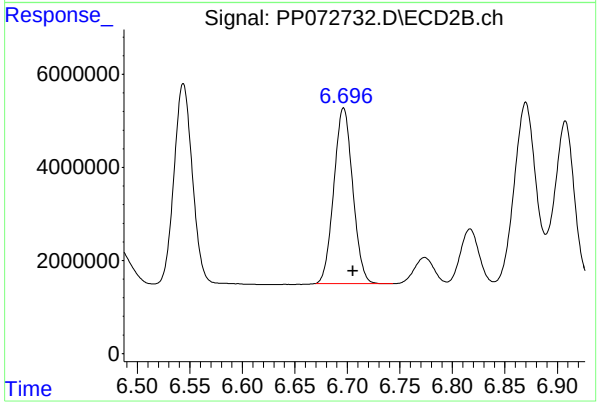
#32 AR-1260-2

R.T.: 6.544 min
Delta R.T.: -0.009 min
Response: 52531612
Conc: 517.95 ng/ml



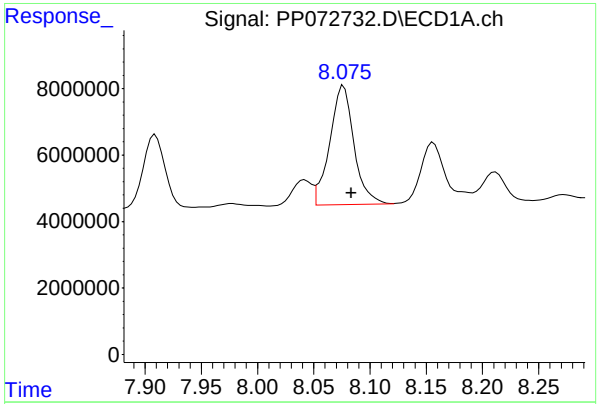
#33 AR-1260-3

R.T.: 7.852 min
Delta R.T.: -0.008 min
Response: 57442944
Conc: 504.46 ng/ml



#33 AR-1260-3

R.T.: 6.696 min
Delta R.T.: -0.009 min
Response: 47186340
Conc: 542.98 ng/ml



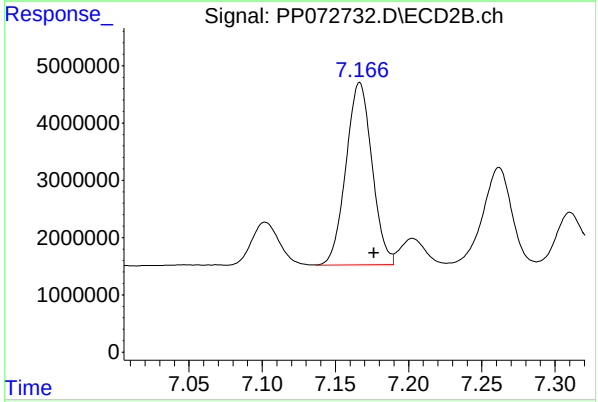
#34 AR-1260-4

R.T.: 8.077 min
Delta R.T.: -0.007 min
Response: 53857489
Conc: 501.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

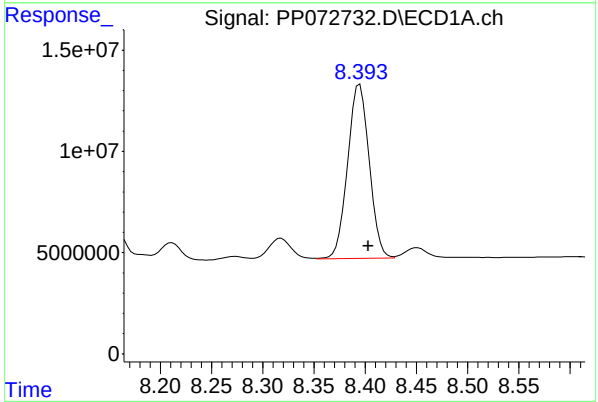
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



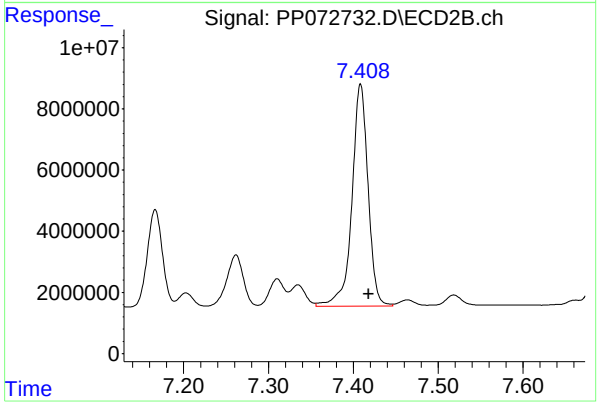
#34 AR-1260-4

R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 39446748
Conc: 547.18 ng/ml



#35 AR-1260-5

R.T.: 8.395 min
Delta R.T.: -0.008 min
Response: 126423485
Conc: 534.19 ng/ml



#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 95818612
Conc: 551.87 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 15:18 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 15:18 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/09/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072748.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.652	5.552	5.752	452.290	500.000	-9.5
Aroclor-1016-2	5.674	5.574	5.774	498.820	500.000	-0.2
Aroclor-1016-3	5.736	5.636	5.836	493.520	500.000	-1.3
Aroclor-1016-4	5.833	5.734	5.934	510.500	500.000	2.1
Aroclor-1016-5	6.126	6.027	6.227	501.700	500.000	0.3
Aroclor-1260-1	7.243	7.147	7.347	479.450	500.000	-4.1
Aroclor-1260-2	7.497	7.401	7.601	470.330	500.000	-5.9
Aroclor-1260-3	7.855	7.760	7.960	495.010	500.000	-1.0
Aroclor-1260-4	8.079	7.985	8.185	484.380	500.000	-3.1
Aroclor-1260-5	8.397	8.303	8.503	505.090	500.000	1.0
Decachlorobiphenyl	10.198	10.113	10.313	51.700	50.000	3.4
Tetrachloro-m-xylene	4.500	4.396	4.596	52.050	50.000	4.1

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/09/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072748.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	531.190	500.000	6.2
Aroclor-1016-2	4.892	4.795	4.995	544.200	500.000	8.8
Aroclor-1016-3	5.069	4.973	5.173	547.570	500.000	9.5
Aroclor-1016-4	5.110	5.015	5.215	552.240	500.000	10.4
Aroclor-1016-5	5.324	5.229	5.429	544.880	500.000	9.0
Aroclor-1260-1	6.356	6.264	6.464	546.980	500.000	9.4
Aroclor-1260-2	6.546	6.453	6.653	514.030	500.000	2.8
Aroclor-1260-3	6.697	6.606	6.806	538.170	500.000	7.6
Aroclor-1260-4	7.167	7.077	7.277	541.700	500.000	8.3
Aroclor-1260-5	7.410	7.319	7.519	548.420	500.000	9.7
Decachlorobiphenyl	8.807	8.723	8.923	55.900	50.000	11.8
Tetrachloro-m-xylene	3.793	3.691	3.891	54.700	50.000	9.4

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 15:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.793	104.7E6	87436660	52.047	54.704
2)	SA Decachlor...	10.198	8.807	84232018	59176538	51.704m	55.901m
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.874	33959823	32630862	452.293	531.192
4)	L1 AR-1016-2	5.674	4.892	53369225	47775279	498.817	544.204
5)	L1 AR-1016-3	5.736	5.069	32357810	26094133	493.523	547.569
6)	L1 AR-1016-4	5.833	5.110	27194408	21010253	510.501	552.243
7)	L1 AR-1016-5	6.126	5.324	24537840	27148187	501.702	544.877
31)	L7 AR-1260-1	7.243	6.356	44873889	43623780	479.449	546.981
32)	L7 AR-1260-2	7.497	6.546	67486977	52134078	470.326	514.030
33)	L7 AR-1260-3	7.855	6.697	56367141	46768384	495.010	538.172
34)	L7 AR-1260-4	8.079	7.167	51975133	39051930	484.379	541.704
35)	L7 AR-1260-5	8.397	7.410	119.5E6	95218540	505.094	548.418

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 15:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

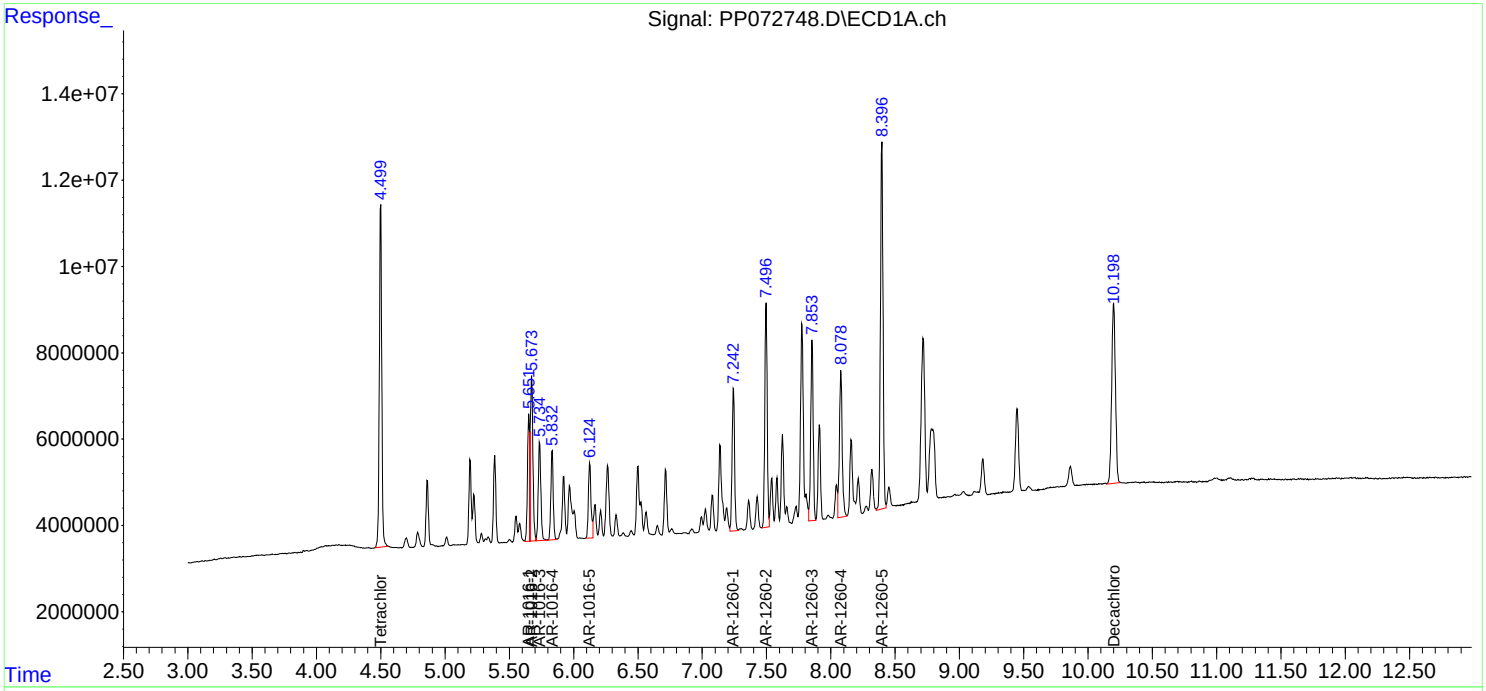
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

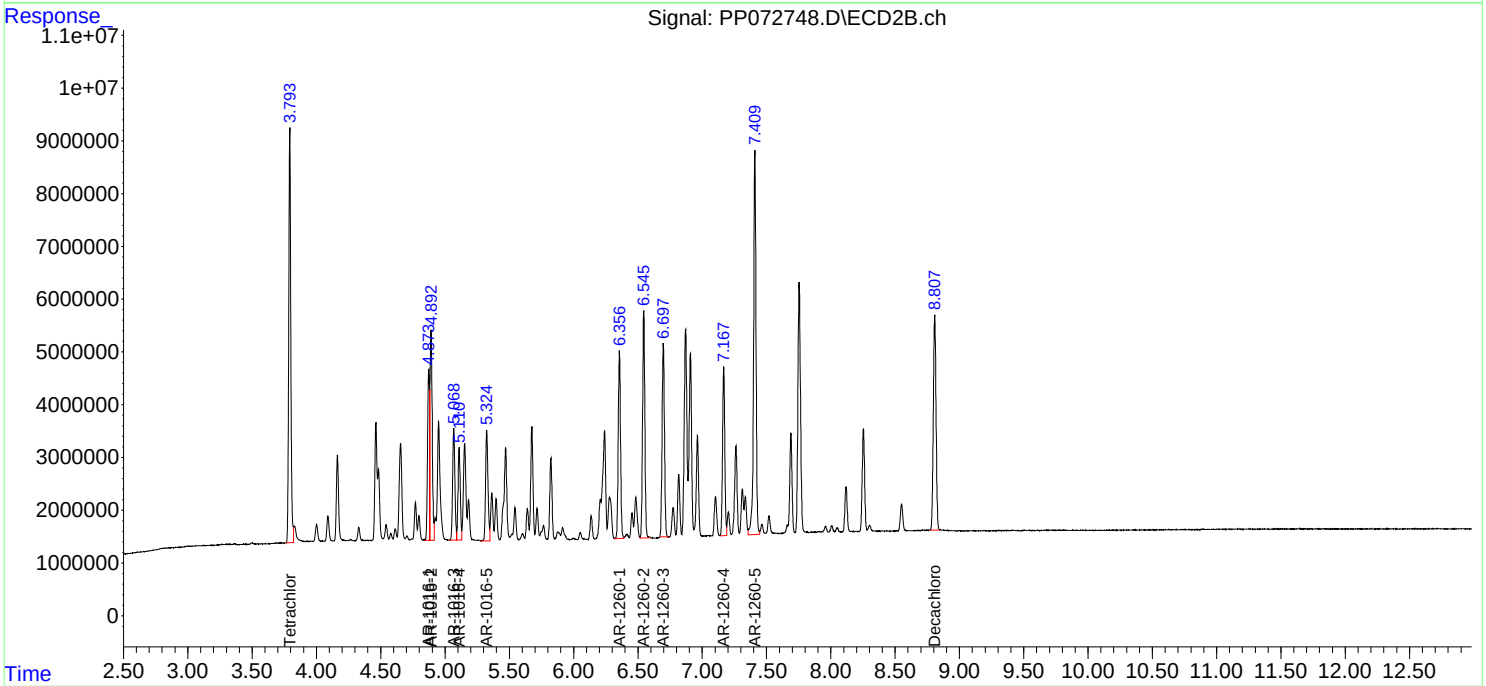
Manual Integrations APPROVED

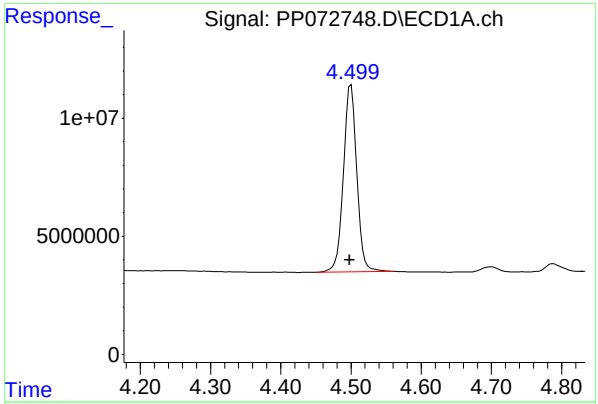
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







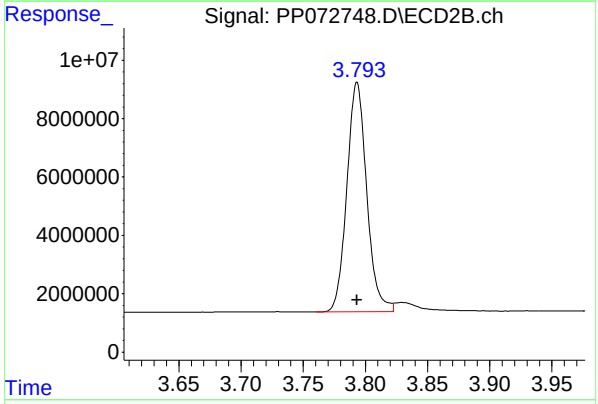
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 mi
Response: 104655540
Conc: 52.05 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

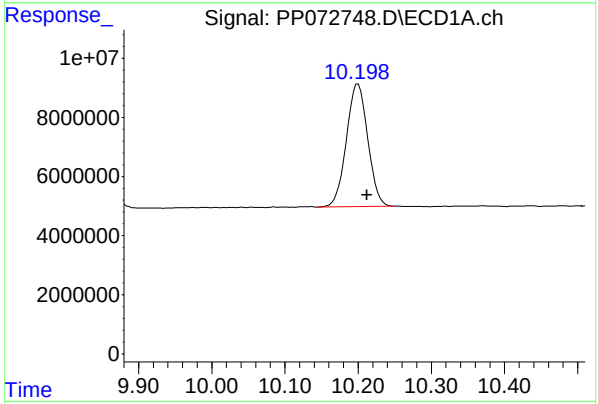
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



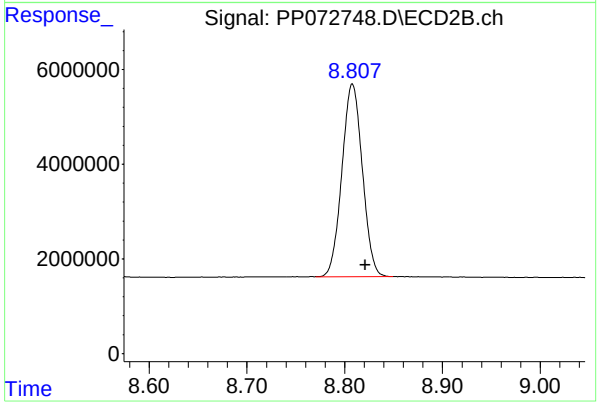
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 87436660
Conc: 54.70 ng/ml



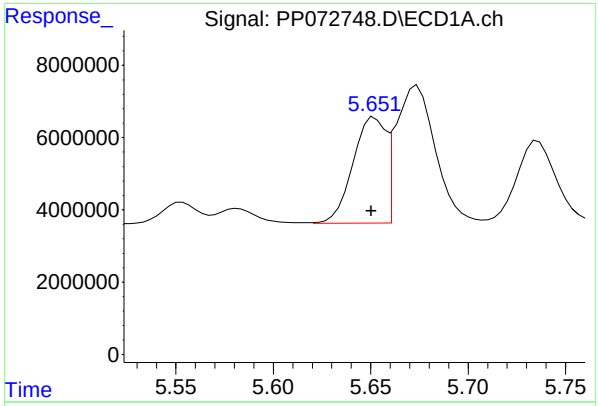
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 84232018
Conc: 51.70 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 59176538
Conc: 55.90 ng/ml m



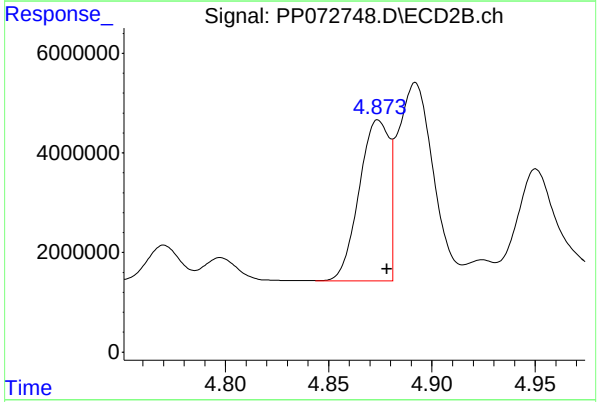
#3 AR-1016-1

R.T.: 5.652 min
Delta R.T.: 0.002 min
Response: 33959823
Conc: 452.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

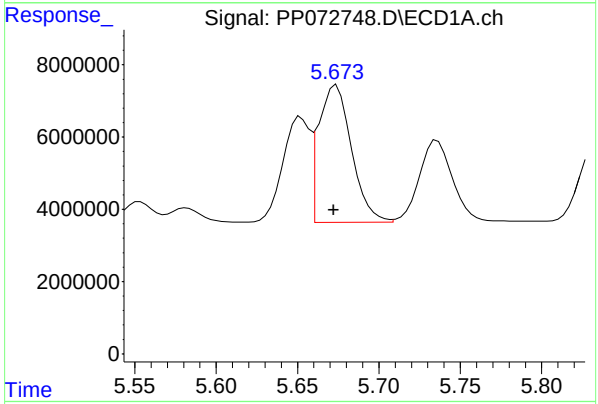
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



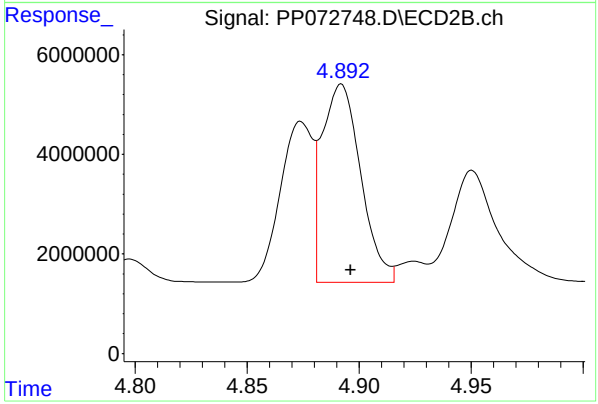
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 32630862
Conc: 531.19 ng/ml



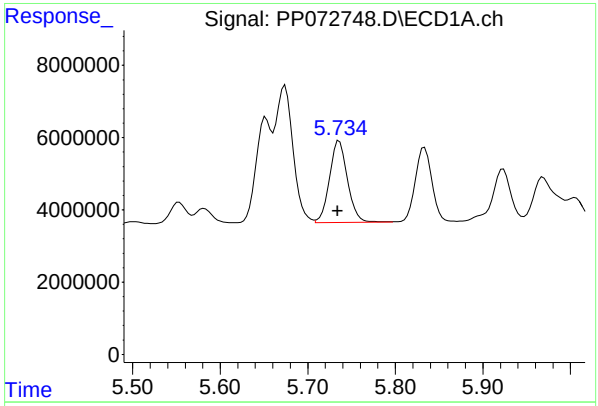
#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.002 min
Response: 53369225
Conc: 498.82 ng/ml



#4 AR-1016-2

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 47775279
Conc: 544.20 ng/ml



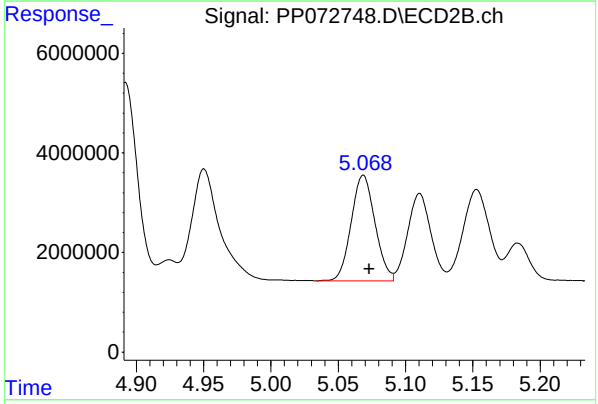
#5 AR-1016-3

R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 32357810
Conc: 493.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

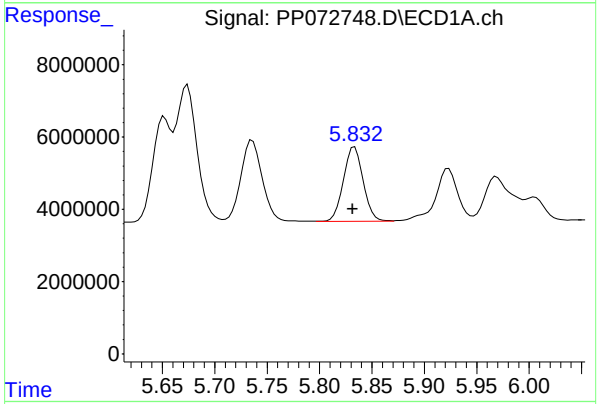
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



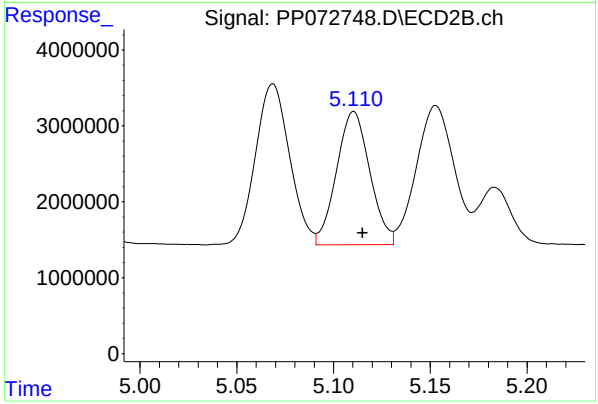
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 26094133
Conc: 547.57 ng/ml



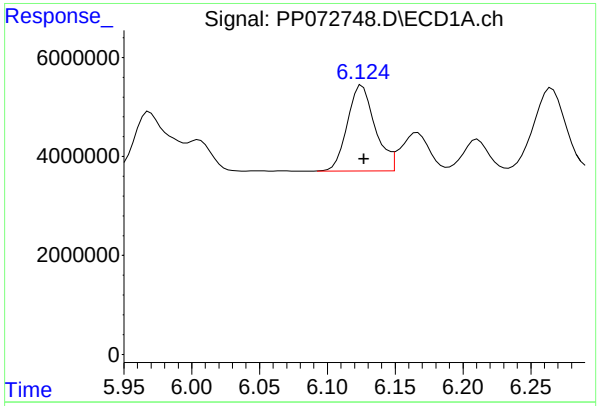
#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.002 min
Response: 27194408
Conc: 510.50 ng/ml



#6 AR-1016-4

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 21010253
Conc: 552.24 ng/ml



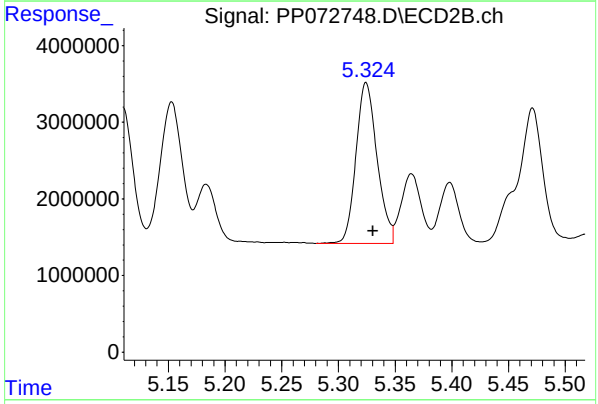
#7 AR-1016-5

R.T.: 6.126 min
Delta R.T.: -0.001 min
Response: 24537840
Conc: 501.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

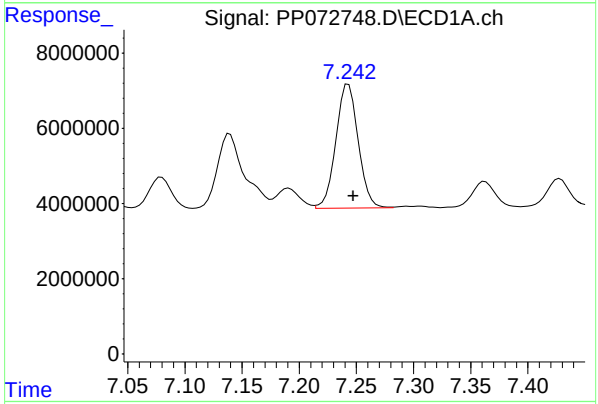
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



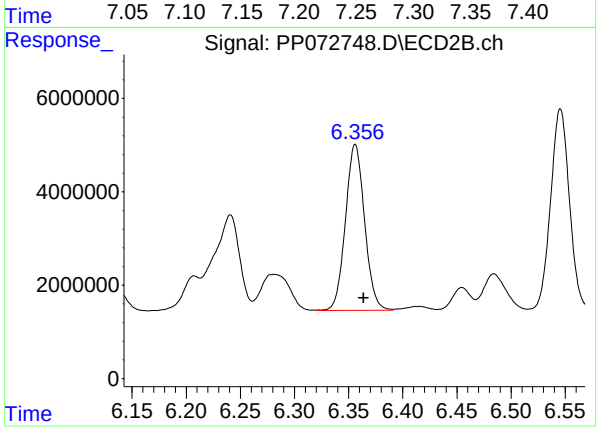
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 27148187
Conc: 544.88 ng/ml



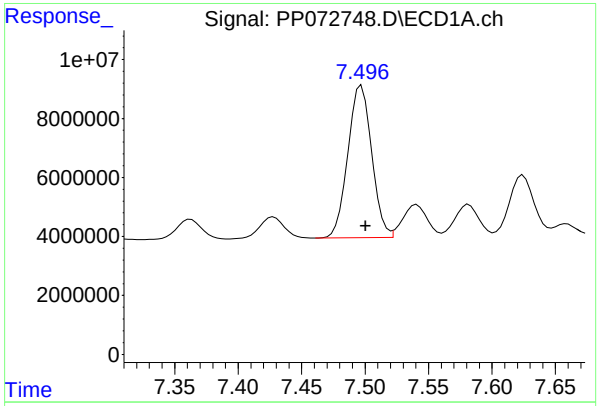
#31 AR-1260-1

R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 44873889
Conc: 479.45 ng/ml



#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.008 min
Response: 43623780
Conc: 546.98 ng/ml



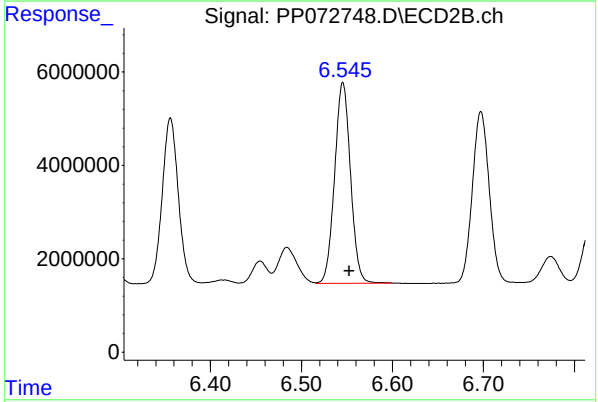
#32 AR-1260-2

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 67486977
Conc: 470.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

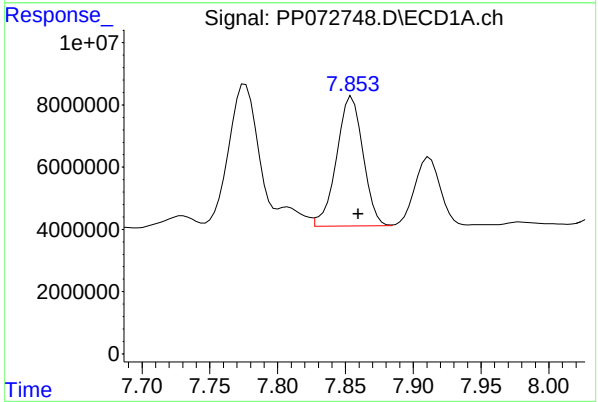
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



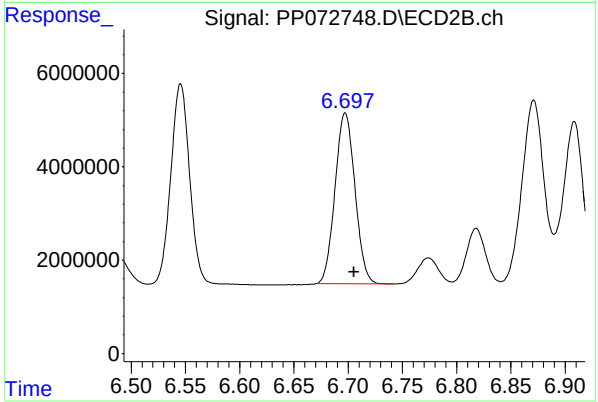
#32 AR-1260-2

R.T.: 6.546 min
Delta R.T.: -0.007 min
Response: 52134078
Conc: 514.03 ng/ml



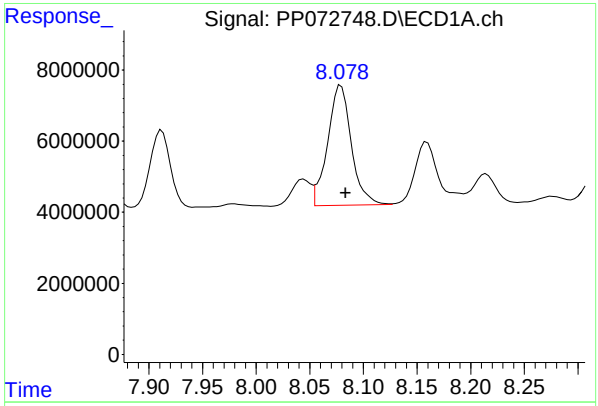
#33 AR-1260-3

R.T.: 7.855 min
Delta R.T.: -0.005 min
Response: 56367141
Conc: 495.01 ng/ml



#33 AR-1260-3

R.T.: 6.697 min
Delta R.T.: -0.008 min
Response: 46768384
Conc: 538.17 ng/ml



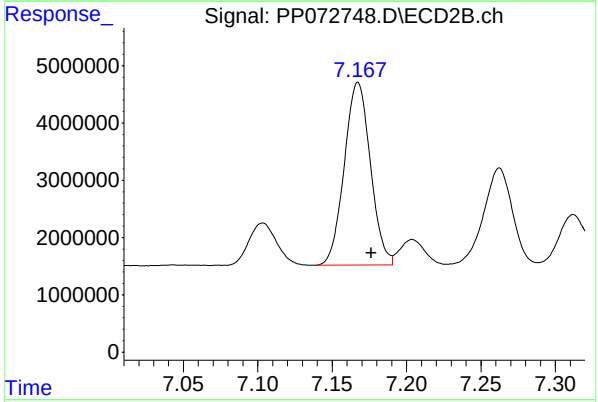
#34 AR-1260-4

R.T.: 8.079 min
Delta R.T.: -0.004 min
Response: 51975133
Conc: 484.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

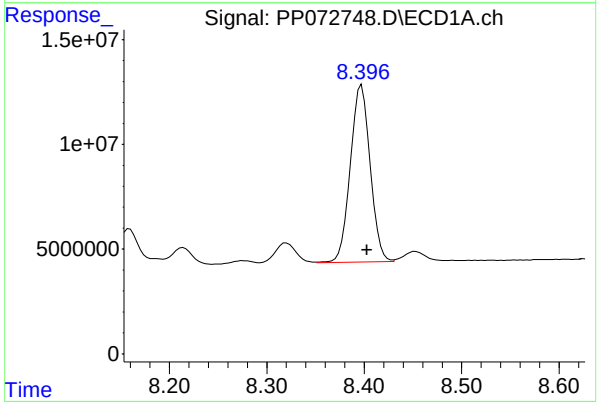
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



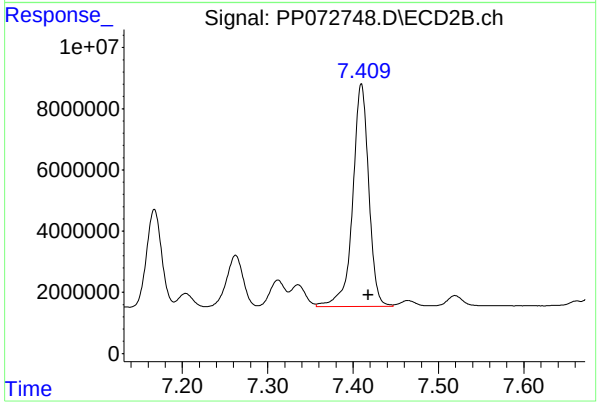
#34 AR-1260-4

R.T.: 7.167 min
Delta R.T.: -0.009 min
Response: 39051930
Conc: 541.70 ng/ml



#35 AR-1260-5

R.T.: 8.397 min
Delta R.T.: -0.006 min
Response: 119536572
Conc: 505.09 ng/ml



#35 AR-1260-5

R.T.: 7.410 min
Delta R.T.: -0.008 min
Response: 95218540
Conc: 548.42 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 20:22 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 20:22 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/09/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072764.D **Time Analyzed:** 20:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.651	5.552	5.752	454.910	500.000	-9.0
Aroclor-1016-2	5.672	5.574	5.774	496.630	500.000	-0.7
Aroclor-1016-3	5.734	5.636	5.836	489.140	500.000	-2.2
Aroclor-1016-4	5.831	5.734	5.934	506.680	500.000	1.3
Aroclor-1016-5	6.124	6.027	6.227	502.670	500.000	0.5
Aroclor-1260-1	7.241	7.147	7.347	492.150	500.000	-1.6
Aroclor-1260-2	7.495	7.401	7.601	482.050	500.000	-3.6
Aroclor-1260-3	7.853	7.760	7.960	497.820	500.000	-0.4
Aroclor-1260-4	8.076	7.985	8.185	500.010	500.000	0.0
Aroclor-1260-5	8.395	8.303	8.503	513.260	500.000	2.7
Decachlorobiphenyl	10.196	10.113	10.313	52.270	50.000	4.5
Tetrachloro-m-xylene	4.499	4.396	4.596	51.850	50.000	3.7

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/09/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072764.D **Time Analyzed:** 20:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.873	4.777	4.977	522.700	500.000	4.5
Aroclor-1016-2	4.891	4.795	4.995	533.590	500.000	6.7
Aroclor-1016-3	5.068	4.973	5.173	534.490	500.000	6.9
Aroclor-1016-4	5.110	5.015	5.215	541.370	500.000	8.3
Aroclor-1016-5	5.324	5.229	5.429	556.470	500.000	11.3
Aroclor-1260-1	6.355	6.264	6.464	550.450	500.000	10.1
Aroclor-1260-2	6.545	6.453	6.653	521.380	500.000	4.3
Aroclor-1260-3	6.696	6.606	6.806	543.300	500.000	8.7
Aroclor-1260-4	7.167	7.077	7.277	553.140	500.000	10.6
Aroclor-1260-5	7.409	7.319	7.519	554.500	500.000	10.9
Decachlorobiphenyl	8.807	8.723	8.923	56.890	50.000	13.8
Tetrachloro-m-xylene	3.793	3.691	3.891	54.080	50.000	8.2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 20:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.499	3.793	104.3E6	86446154	51.845	54.084
2)	SA Decachlor...	10.196	8.807	85159679	60219655	52.273m	56.886m
	Target Compounds						
3)	L1 AR-1016-1	5.651	4.873	34156326	32109251	454.910	522.701
4)	L1 AR-1016-2	5.672	4.891	53135454	46843265	496.632	533.587
5)	L1 AR-1016-3	5.734	5.068	32070548	25471036	489.142	534.494
6)	L1 AR-1016-4	5.831	5.110	26990746	20596751	506.678	541.374
7)	L1 AR-1016-5	6.124	5.324	24585249	27725790	502.671	556.470
31)	L7 AR-1260-1	7.241	6.355	46062448	43900617	492.148	550.452
32)	L7 AR-1260-2	7.495	6.545	69168660	52879305	482.046	521.378
33)	L7 AR-1260-3	7.853	6.696	56686980	47213935	497.818	543.299
34)	L7 AR-1260-4	8.076	7.167	53651847	39876026	500.005	553.135
35)	L7 AR-1260-5	8.395	7.409	121.5E6	96274188	513.263	554.498

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 20:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

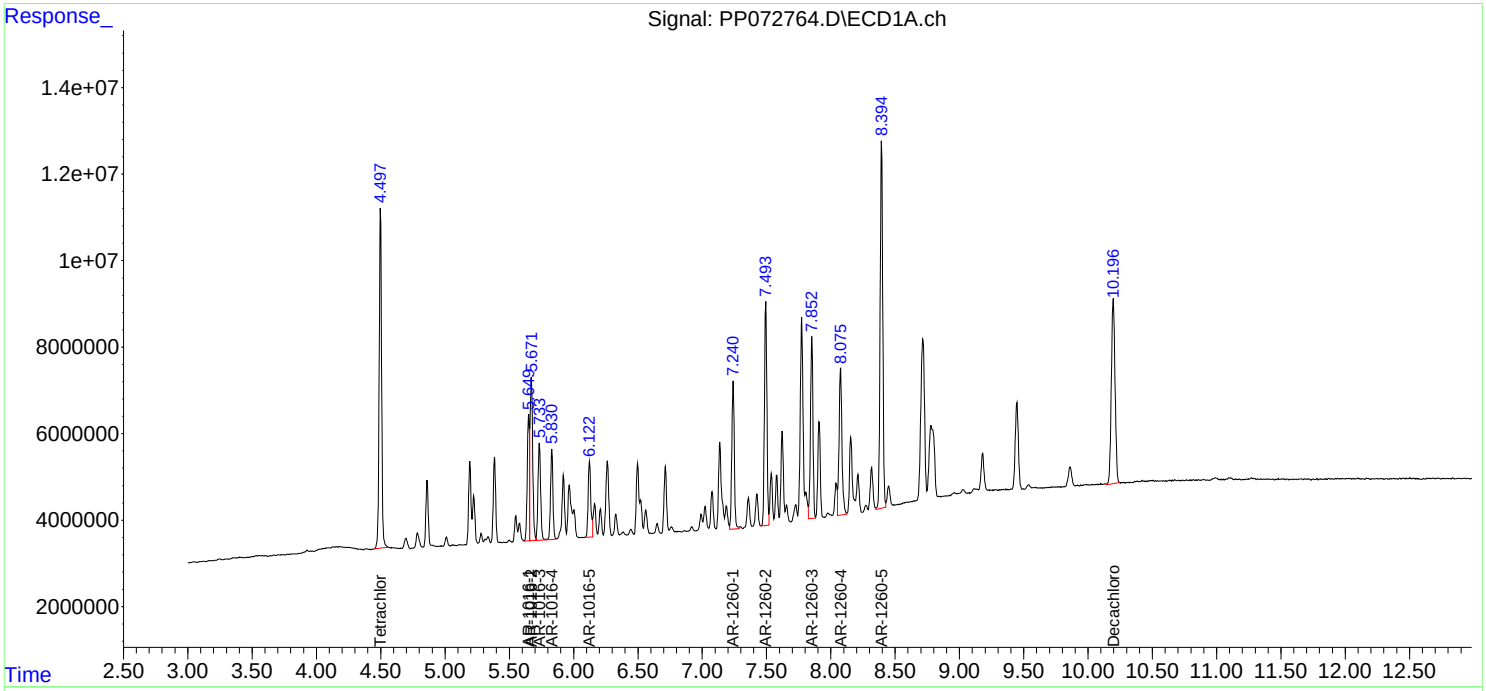
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

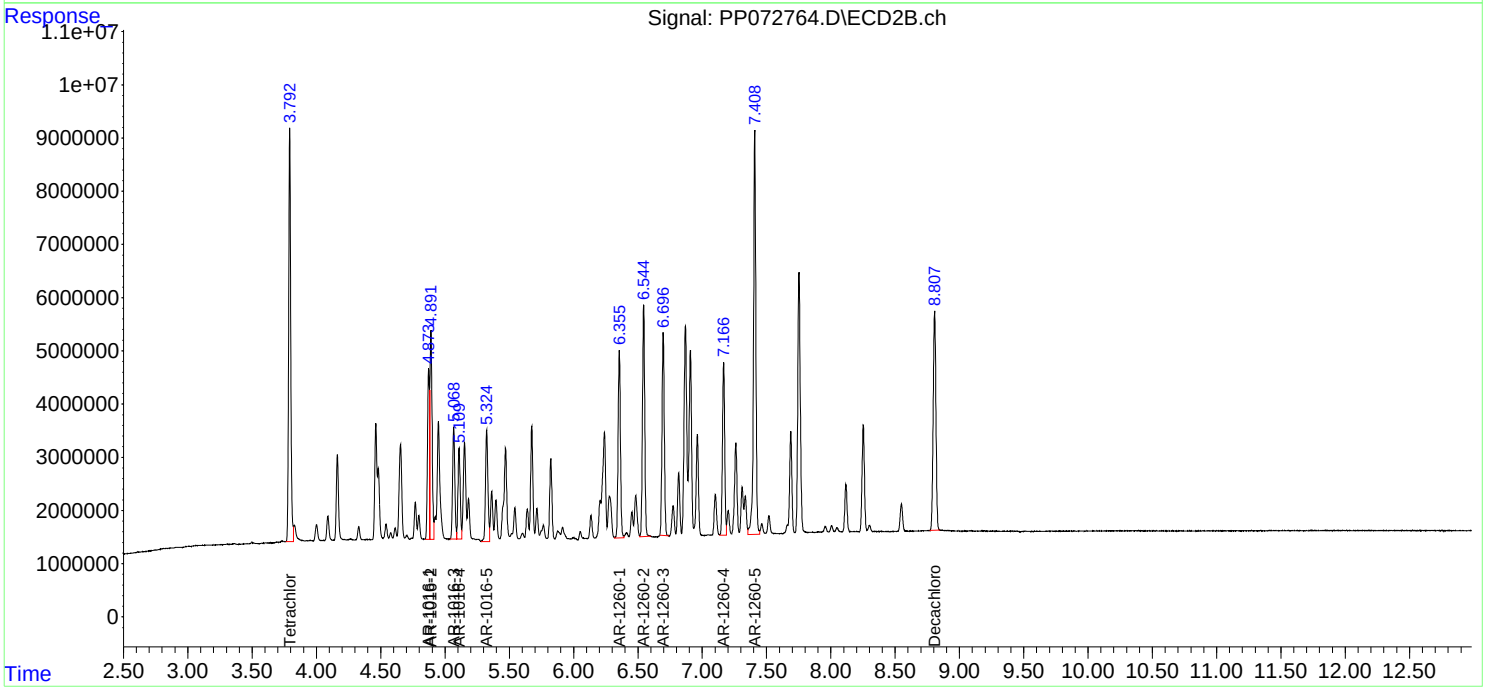
Manual Integrations APPROVED

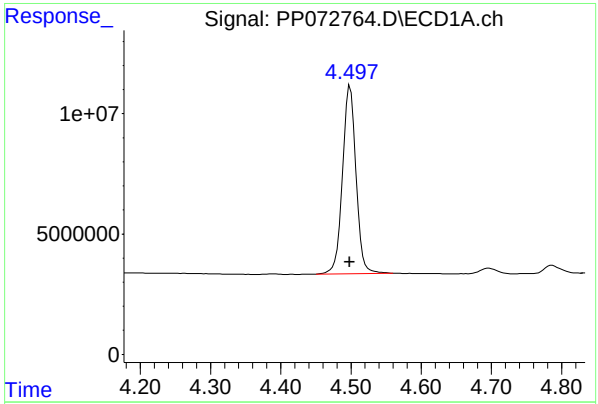
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







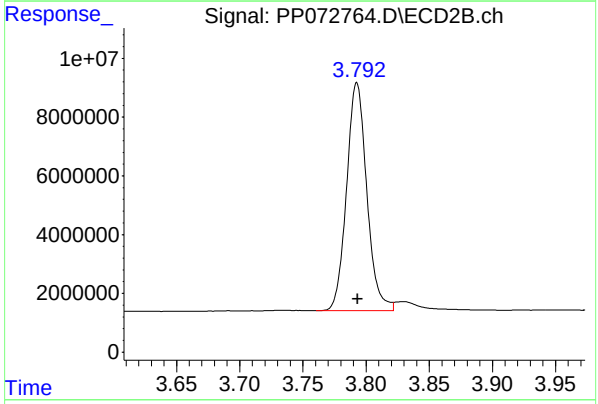
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 mi
Response: 104250125
Conc: 51.85 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

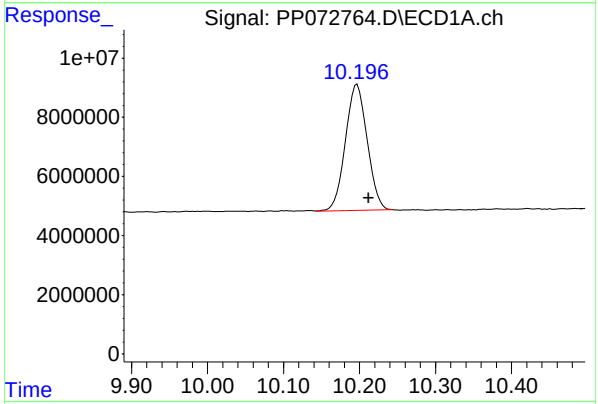
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



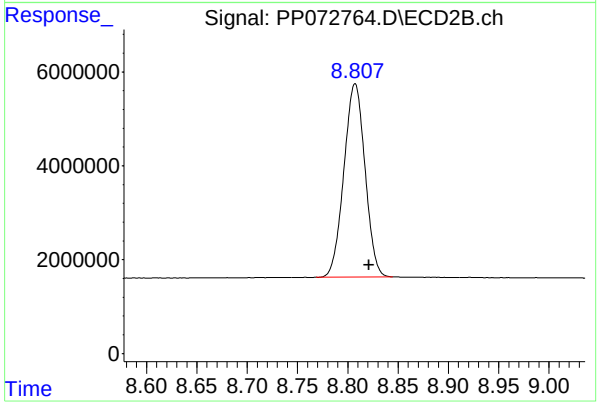
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 86446154
Conc: 54.08 ng/ml



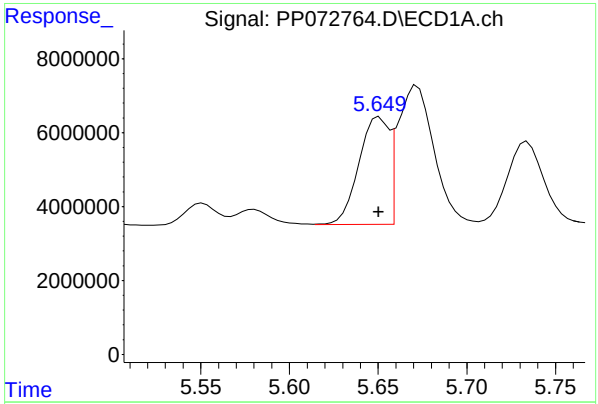
#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.016 min
Response: 85159679
Conc: 52.27 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 60219655
Conc: 56.89 ng/ml m



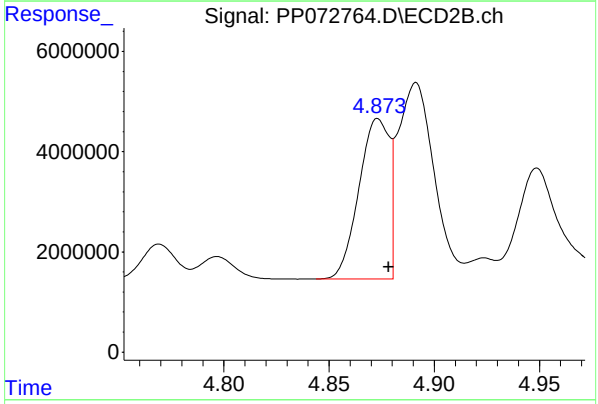
#3 AR-1016-1

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 34156326
Conc: 454.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

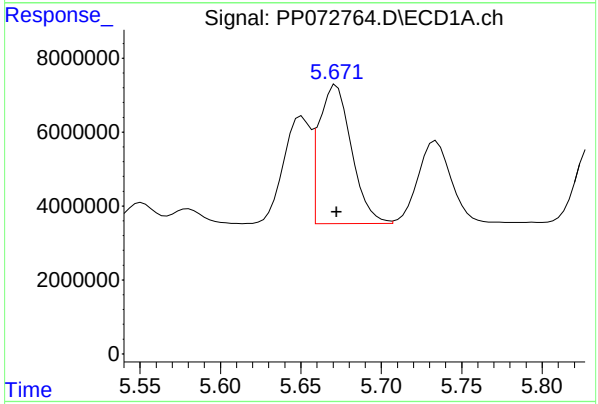
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



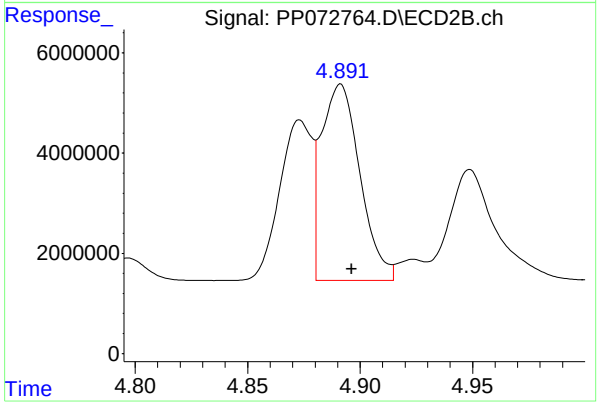
#3 AR-1016-1

R.T.: 4.873 min
Delta R.T.: -0.005 min
Response: 32109251
Conc: 522.70 ng/ml



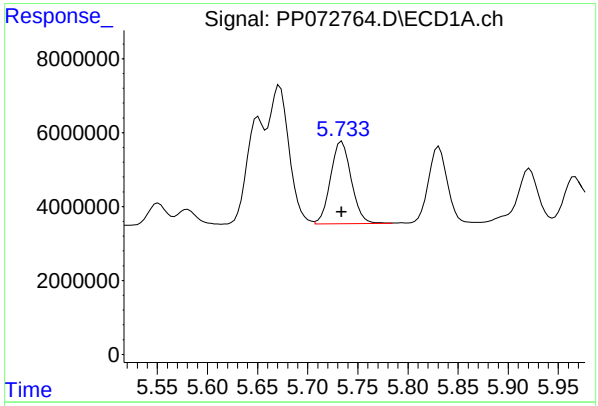
#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 53135454
Conc: 496.63 ng/ml



#4 AR-1016-2

R.T.: 4.891 min
Delta R.T.: -0.005 min
Response: 46843265
Conc: 533.59 ng/ml



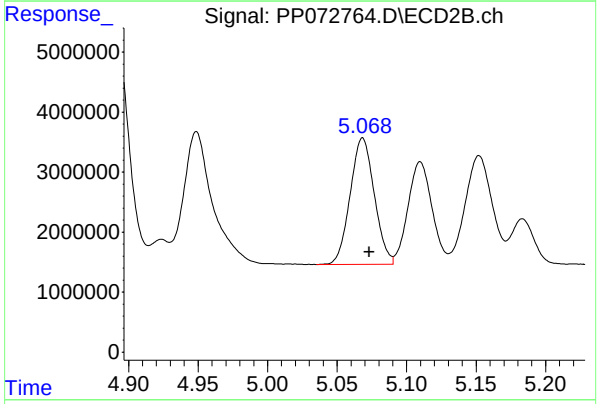
#5 AR-1016-3

R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 32070548
Conc: 489.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

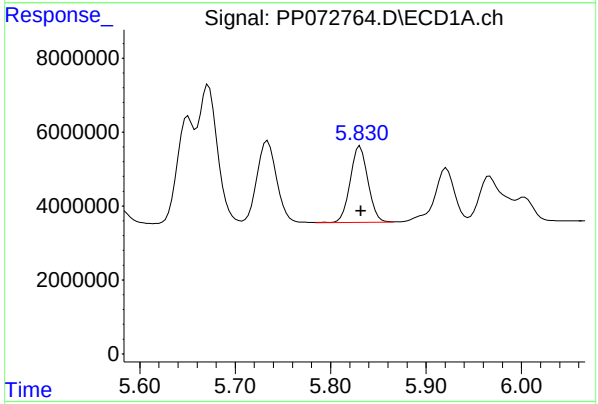
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



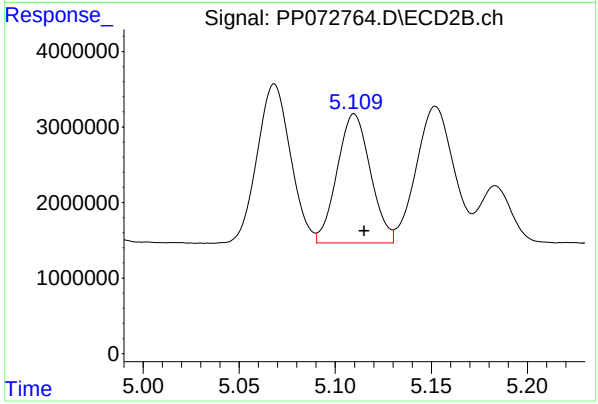
#5 AR-1016-3

R.T.: 5.068 min
Delta R.T.: -0.005 min
Response: 25471036
Conc: 534.49 ng/ml



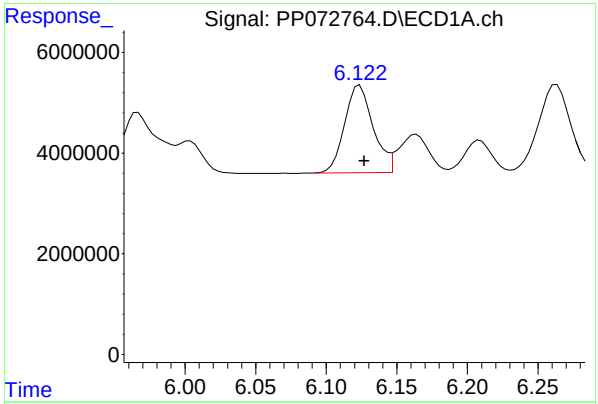
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 26990746
Conc: 506.68 ng/ml



#6 AR-1016-4

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 20596751
Conc: 541.37 ng/ml



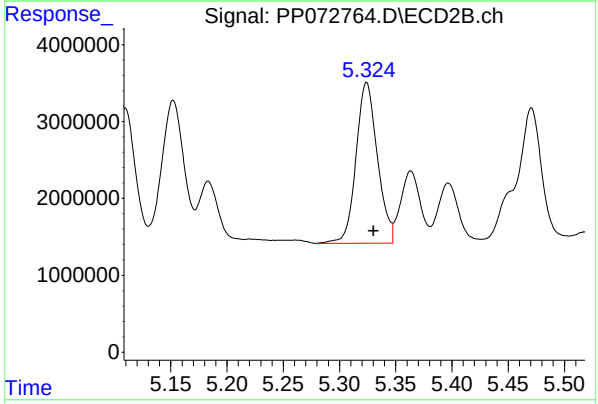
#7 AR-1016-5

R.T.: 6.124 min
Delta R.T.: -0.003 min
Response: 24585249
Conc: 502.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

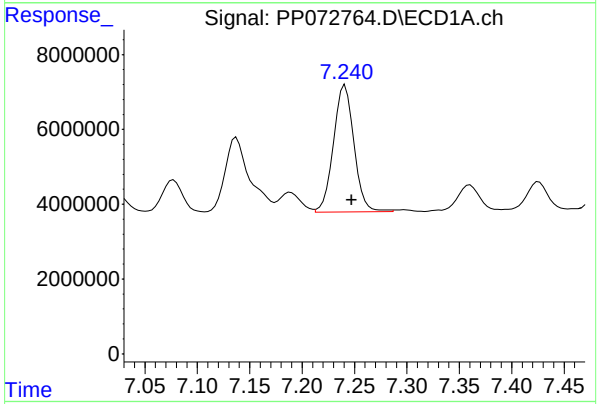
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



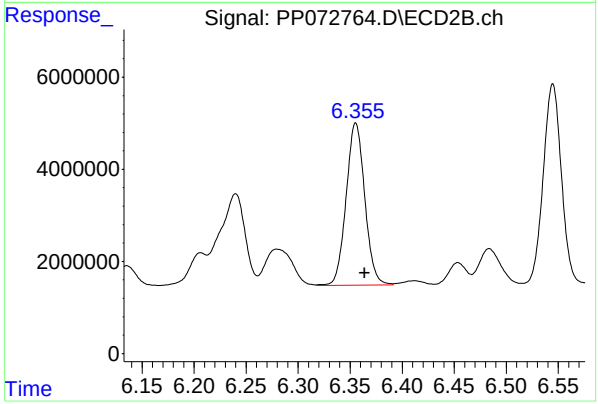
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 27725790
Conc: 556.47 ng/ml



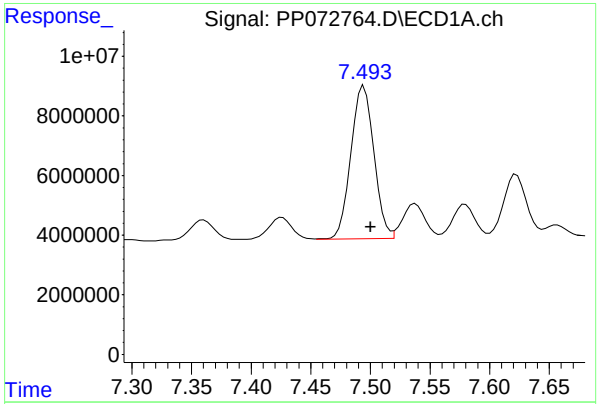
#31 AR-1260-1

R.T.: 7.241 min
Delta R.T.: -0.006 min
Response: 46062448
Conc: 492.15 ng/ml



#31 AR-1260-1

R.T.: 6.355 min
Delta R.T.: -0.009 min
Response: 43900617
Conc: 550.45 ng/ml



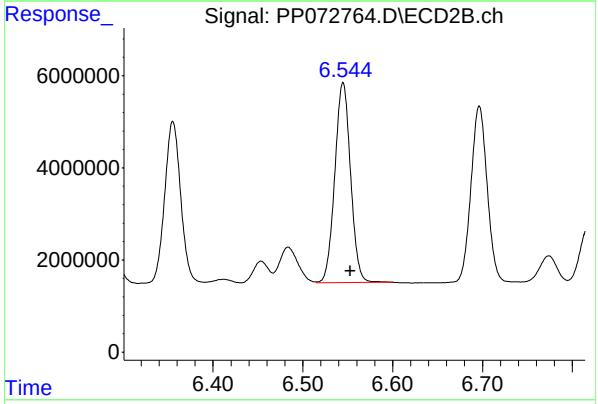
#32 AR-1260-2

R.T.: 7.495 min
Delta R.T.: -0.006 min
Response: 69168660
Conc: 482.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

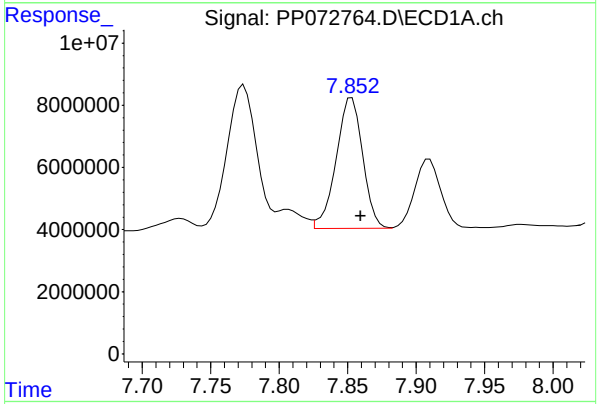
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



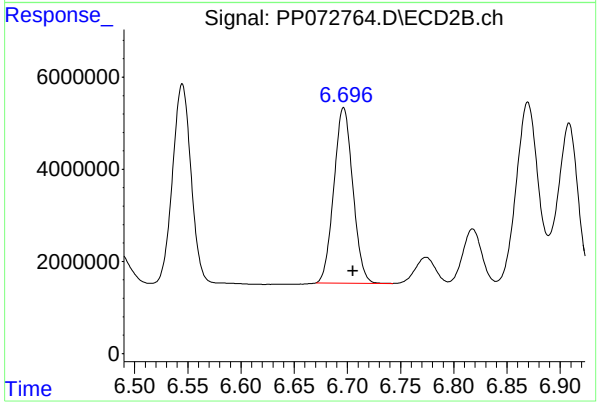
#32 AR-1260-2

R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 52879305
Conc: 521.38 ng/ml



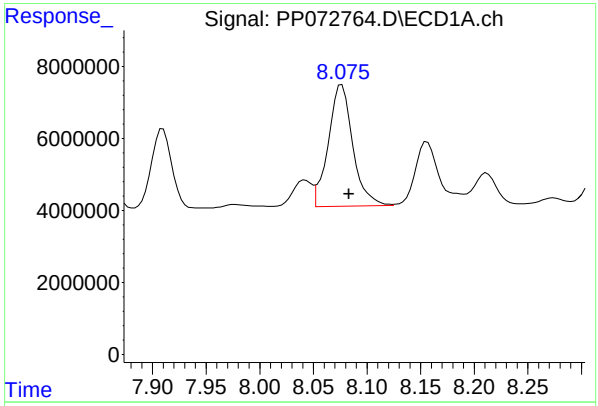
#33 AR-1260-3

R.T.: 7.853 min
Delta R.T.: -0.006 min
Response: 56686980
Conc: 497.82 ng/ml



#33 AR-1260-3

R.T.: 6.696 min
Delta R.T.: -0.009 min
Response: 47213935
Conc: 543.30 ng/ml



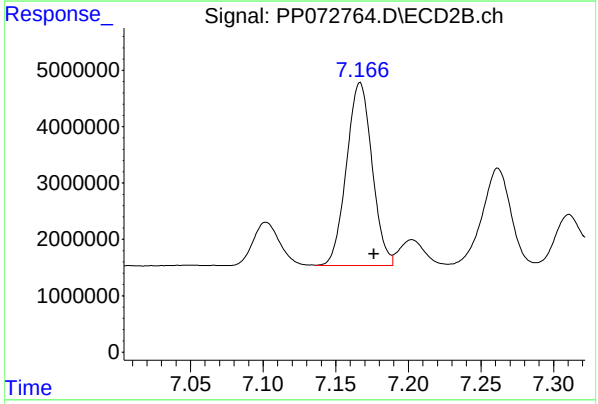
#34 AR-1260-4

R.T.: 8.076 min
Delta R.T.: -0.007 min
Response: 53651847
Conc: 500.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

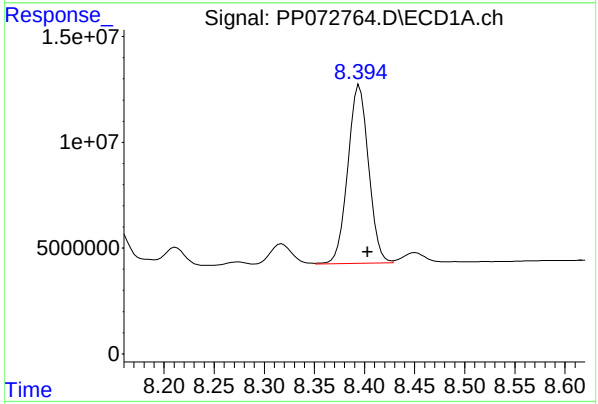
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



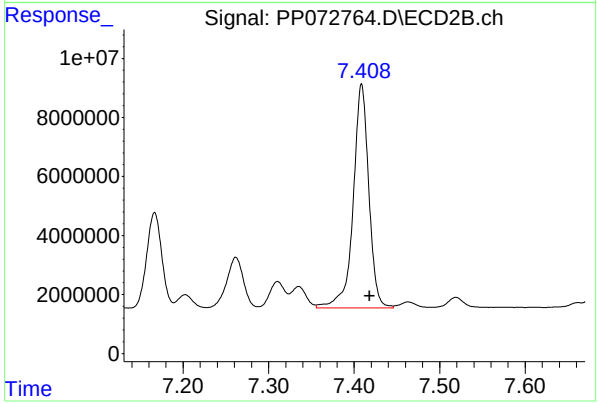
#34 AR-1260-4

R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 39876026
Conc: 553.14 ng/ml



#35 AR-1260-5

R.T.: 8.395 min
Delta R.T.: -0.008 min
Response: 121470063
Conc: 513.26 ng/ml



#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 96274188
Conc: 554.50 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2259

Project: Raymark Superfund Site **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	06/09/2025	09:22	PP072732.D	10.20	4.50
I.BLK	I.BLK	06/09/2025	10:59	PP072737.D	10.20	4.50
PB168349BL	PB168349BL	06/09/2025	13:12	PP072743.D	10.20	4.50
PB168349BS	PB168349BS	06/09/2025	13:29	PP072744.D	10.20	4.50
BU-03-060525MS	Q2246-01MS	06/09/2025	14:01	PP072746.D	10.20	4.50
BU-03-060525MSD	Q2246-01MSD	06/09/2025	14:18	PP072747.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/09/2025	15:18	PP072748.D	10.20	4.50
I.BLK	I.BLK	06/09/2025	16:39	PP072753.D	10.20	4.50
OU4-PCS-TC-36-060525	Q2259-01	06/09/2025	17:12	PP072755.D	10.20	4.50

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

Analytical Sequence

OU4-PCS-TC-37-060525	Q2259-03	06/09/2025	17:28	PP072756.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/09/2025	20:22	PP072764.D	10.20	4.50
I.BLK	I.BLK	06/09/2025	22:00	PP072769.D	10.20	4.50

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2259

Project: Raymark Superfund Site **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	06/09/2025	09:22	PP072732.D	8.81	3.79
I.BLK	I.BLK	06/09/2025	10:59	PP072737.D	8.81	3.79
PB168349BL	PB168349BL	06/09/2025	13:12	PP072743.D	8.81	3.79
PB168349BS	PB168349BS	06/09/2025	13:29	PP072744.D	8.81	3.79
BU-03-060525MS	Q2246-01MS	06/09/2025	14:01	PP072746.D	8.81	3.79
BU-03-060525MSD	Q2246-01MSD	06/09/2025	14:18	PP072747.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/09/2025	15:18	PP072748.D	8.81	3.79
I.BLK	I.BLK	06/09/2025	16:39	PP072753.D	8.81	3.79
OU4-PCS-TC-36-060525	Q2259-01	06/09/2025	17:12	PP072755.D	8.81	3.79

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

Analytical Sequence

OU4-PCS-TC-37-060525	Q2259-03	06/09/2025	17:28	PP072756.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/09/2025	20:22	PP072764.D	8.81	3.79
I.BLK	I.BLK	06/09/2025	22:00	PP072769.D	8.81	3.79

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168349BS

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab Sample ID: PB168349BS Date(s) Analyzed: 06/09/2025 06/09/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP072744.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.653	5.603	5.703	118		
	2	5.675	5.625	5.725	130		
	3	5.736	5.686	5.786	126		
COLUMN 1	4	5.834	5.784	5.884	132		
	5	6.126	6.076	6.176	126	126	
	1	4.874	4.824	4.924	140		
	2	4.892	4.842	4.942	142		
	3	5.069	5.019	5.119	142		
	4	5.111	5.061	5.161	142		
COLUMN 2	5	5.325	5.275	5.375	139	141	11.24
Aroclor-1260	1	7.243	7.193	7.293	124		
	2	7.497	7.447	7.547	128		
	3	7.855	7.805	7.905	111		
COLUMN 1	4	8.079	8.029	8.129	114		
	5	8.398	8.348	8.448	117	119	
	1	6.356	6.306	6.406	148		
	2	6.545	6.495	6.595	140		
	3	6.697	6.647	6.747	146		
	4	7.167	7.117	7.217	132		
COLUMN 2	5	7.409	7.359	7.459	131	139	15.5

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
BU-03-060525MS

Contract: NOBI03
Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259
Lab Sample ID: Q2246-01MS Date(s) Analyzed: 06/09/2025 06/09/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP072746.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.65	5.6	5.7	120		
	2	5.672	5.622	5.722	129		
	3	5.734	5.684	5.784	128		
COLUMN 1	4	5.831	5.781	5.881	133		
	5	6.124	6.074	6.174	124	127	
	1	4.874	4.824	4.924	145		
	2	4.892	4.842	4.942	147		
	3	5.069	5.019	5.119	148		
	4	5.111	5.061	5.161	148		
COLUMN 2	5	5.324	5.274	5.374	142	146	13.92
Aroclor-1260	1	7.241	7.191	7.291	141		
	2	7.494	7.444	7.544	123		
	3	7.852	7.802	7.902	109		
COLUMN 1	4	8.075	8.025	8.125	123		
	5	8.395	8.345	8.445	118	123	
	1	6.356	6.306	6.406	148		
	2	6.545	6.495	6.595	137		
	3	6.697	6.647	6.747	144		
	4	7.167	7.117	7.217	127		
COLUMN 2	5	7.409	7.359	7.459	128	137	10.77

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BU-03-060525MSD

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab Sample ID: Q2246-01MSD Date(s) Analyzed: 06/09/2025 06/09/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP072747.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.652	5.602	5.702	116		
	2	5.674	5.624	5.724	123		
	3	5.736	5.686	5.786	122		
COLUMN 1	4	5.833	5.783	5.883	133		
	5	6.125	6.075	6.175	121	123	
	1	4.874	4.824	4.924	140		
	2	4.892	4.842	4.942	141		
	3	5.069	5.019	5.119	142		
	4	5.11	5.06	5.16	142		
COLUMN 2	5	5.324	5.274	5.374	138	141	13.64
Aroclor-1260	1	7.243	7.193	7.293	134		
	2	7.496	7.446	7.546	121		
	3	7.854	7.804	7.904	107		
COLUMN 1	4	8.078	8.028	8.128	118		
	5	8.397	8.347	8.447	120	120	
	1	6.356	6.306	6.406	148		
	2	6.545	6.495	6.595	136		
	3	6.696	6.646	6.746	142		
	4	7.167	7.117	7.217	127		
COLUMN 2	5	7.408	7.358	7.458	127	136	12.5

QC SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168349BL	SDG No.:	Q2259
Lab Sample ID:	PB168349BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072743.D	1	06/09/25 09:10	06/09/25 13:12	PB168349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.30	U	3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	8.30	U	3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.8		44 - 130		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		60 - 125		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_P\Data\PP060925\
Data File : PP072743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:12
Operator : YP\AJ
Sample : PB168349BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168349BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.496	3.793	36837384	33286144	18.320	20.825
2)	SA Decachlor...	10.197	8.807	30665710	21666060	18.823m	20.467m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:12
Operator : YP\AJ
Sample : PB168349BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

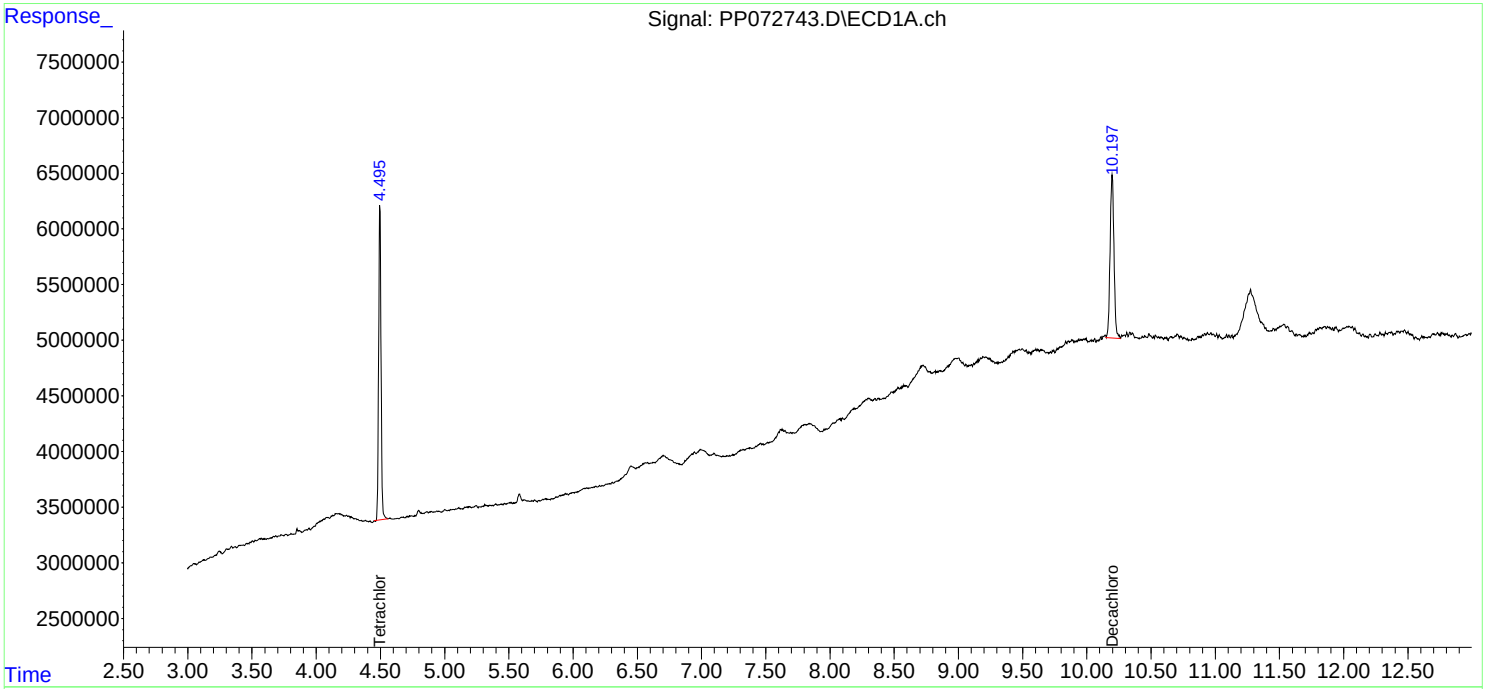
Instrument :
ECD_P
ClientSampleId :
PB168349BL

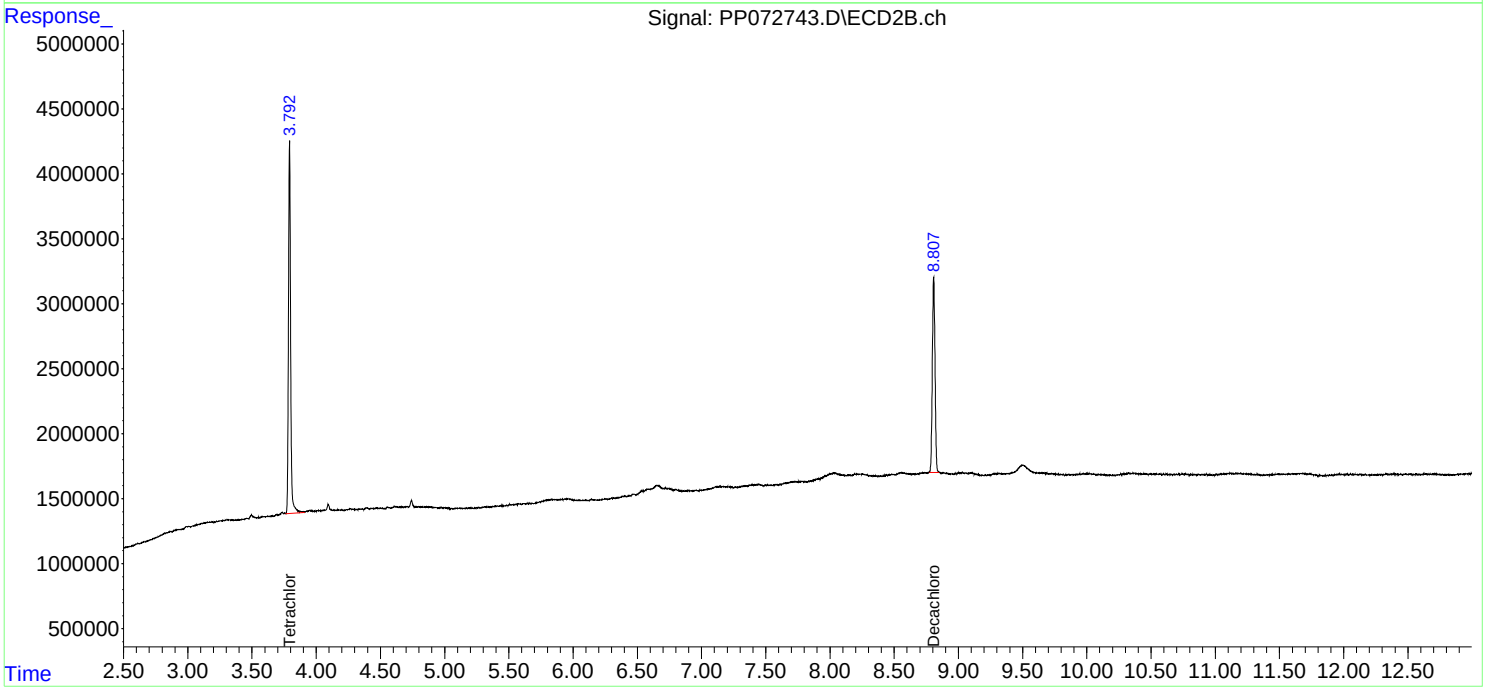
Manual Integrations APPROVED

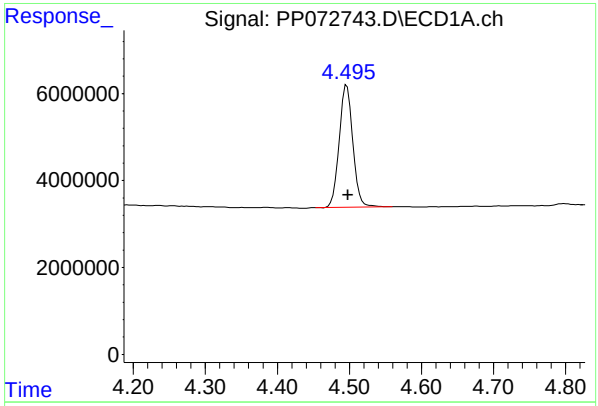
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







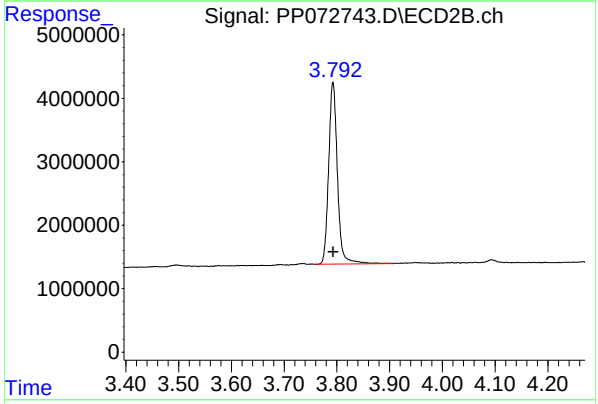
#1 Tetrachloro-m-xylene

R.T.: 4.496 min
Delta R.T.: -0.002 mi
Response: 36837384
Conc: 18.32 ng/m

Instrument :
ECD_P
ClientSampleId :
PB168349BL

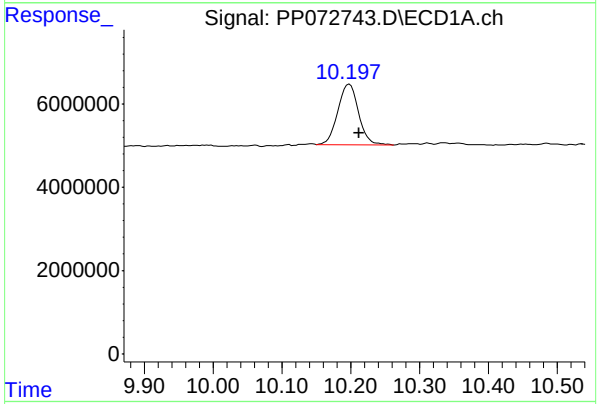
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



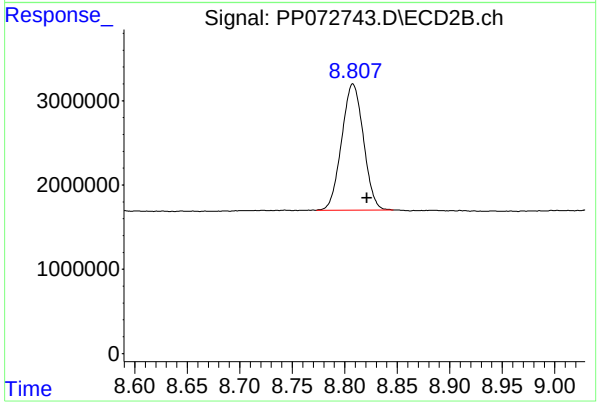
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 33286144
Conc: 20.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: -0.015 min
Response: 30665710
Conc: 18.82 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 21666060
Conc: 20.47 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	05/19/25
Project:	Raymark Superfund Site	Date Received:	05/19/25
Client Sample ID:	PIBLK-PP072163.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PP072163.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072163.D	1		05/19/25	PP051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	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	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140		82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 140		84%	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_P\Data\PP051925\
Data File : PP072163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.495	3.788	32787184	26552565	16.306	16.612
2)	SA Decachlor...	10.213	8.822	27208113	18027788	16.701	17.030
	Target Compounds						

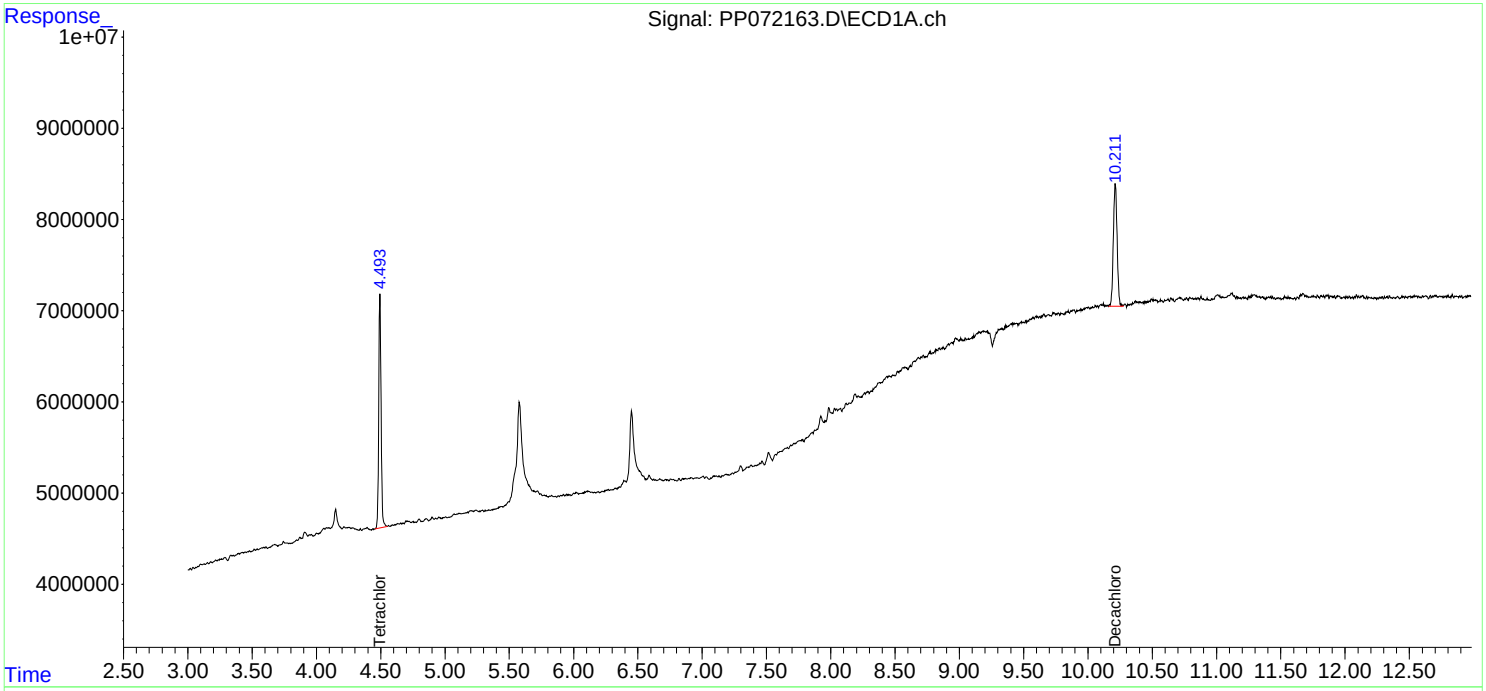
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

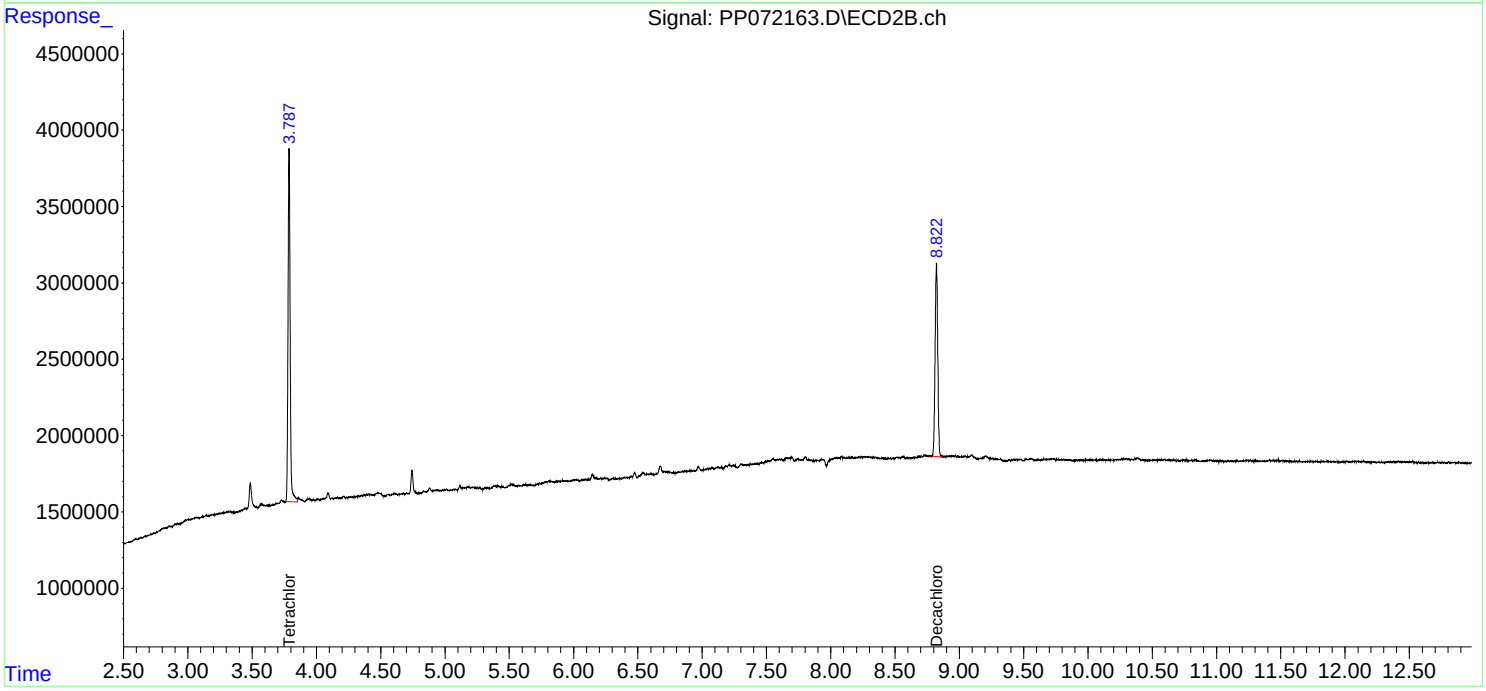
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

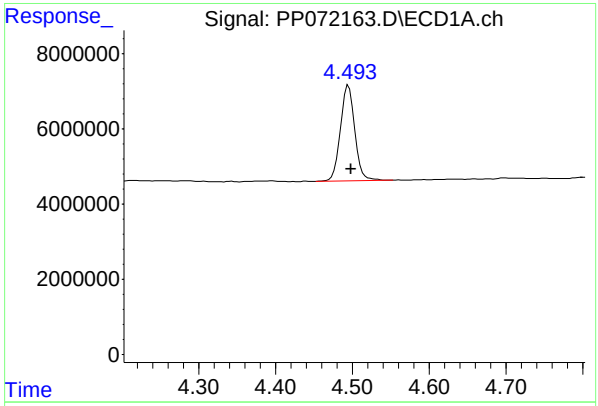
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



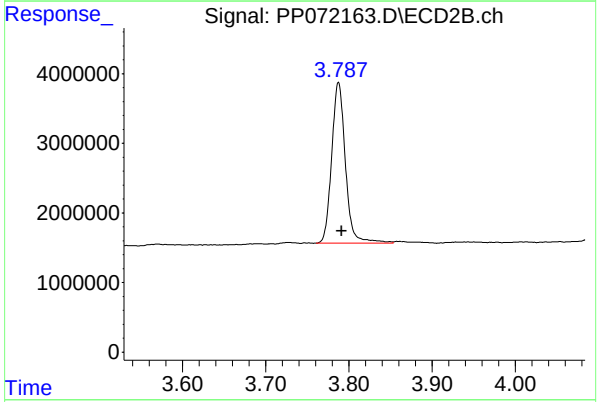




#1 Tetrachloro-m-xylene

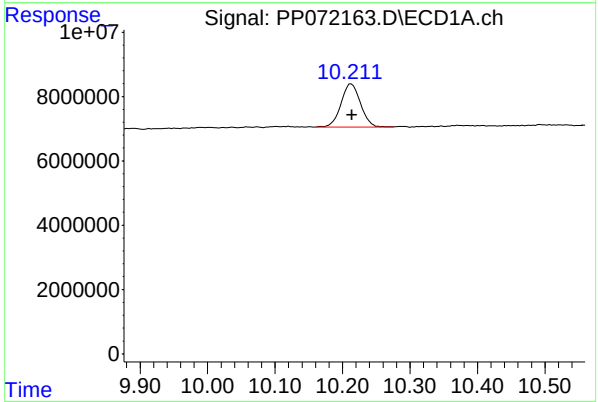
R.T.: 4.495 min
Delta R.T.: -0.003 min
Response: 32787184
Conc: 16.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



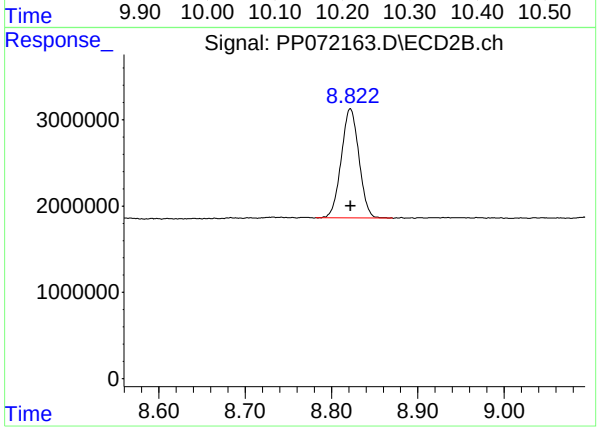
#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.004 min
Response: 26552565
Conc: 16.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 27208113
Conc: 16.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 18027788
Conc: 17.03 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/09/25
Project:	Raymark Superfund Site	Date Received:	06/09/25
Client Sample ID:	PIBLK-PP072737.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PP072737.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072737.D	1		06/09/25	PP060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	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	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.0		60 - 140		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140		93%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 10:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:33:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.498	3.793	36208870	31775489	18.007	19.880
2)	SA Decachlor...	10.197	8.807	30380059	22104920	18.648m	20.881m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 10:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

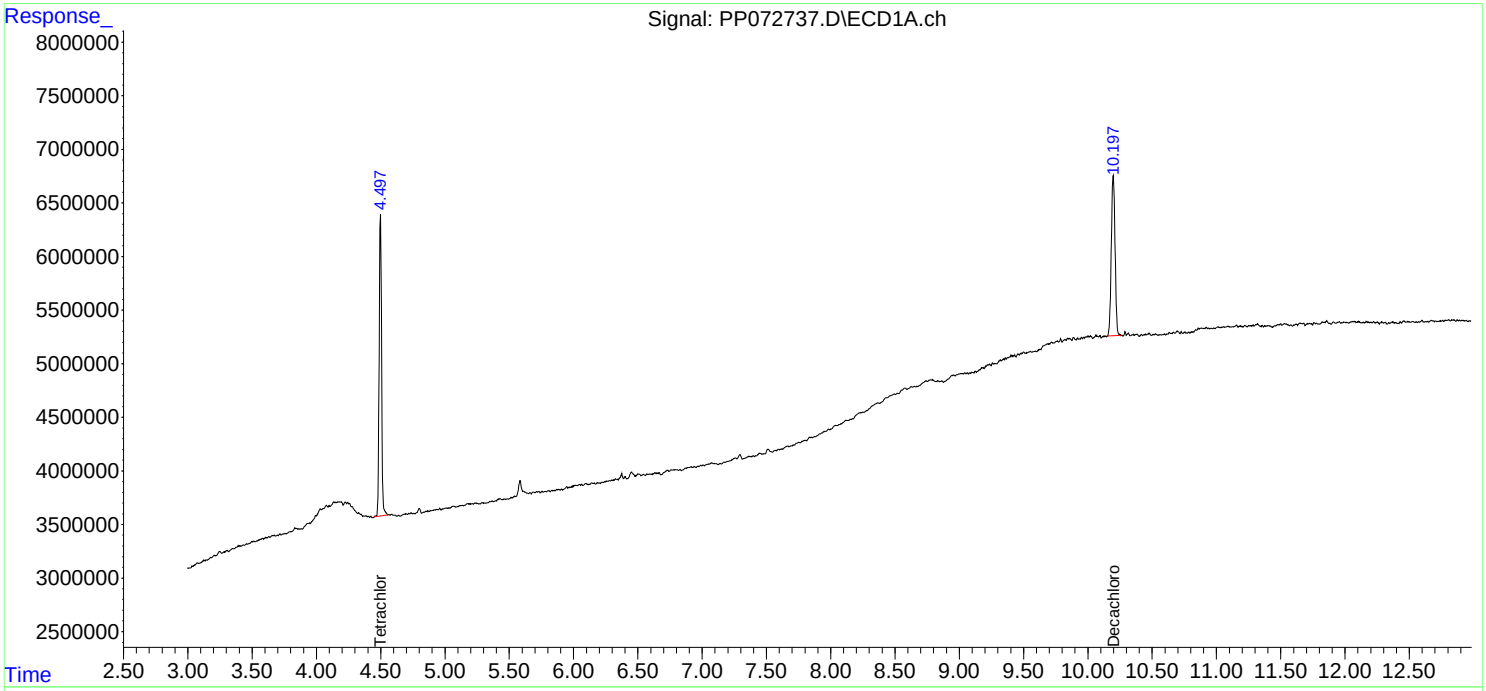
Instrument :
ECD_P
ClientSampleId :
I.BLK

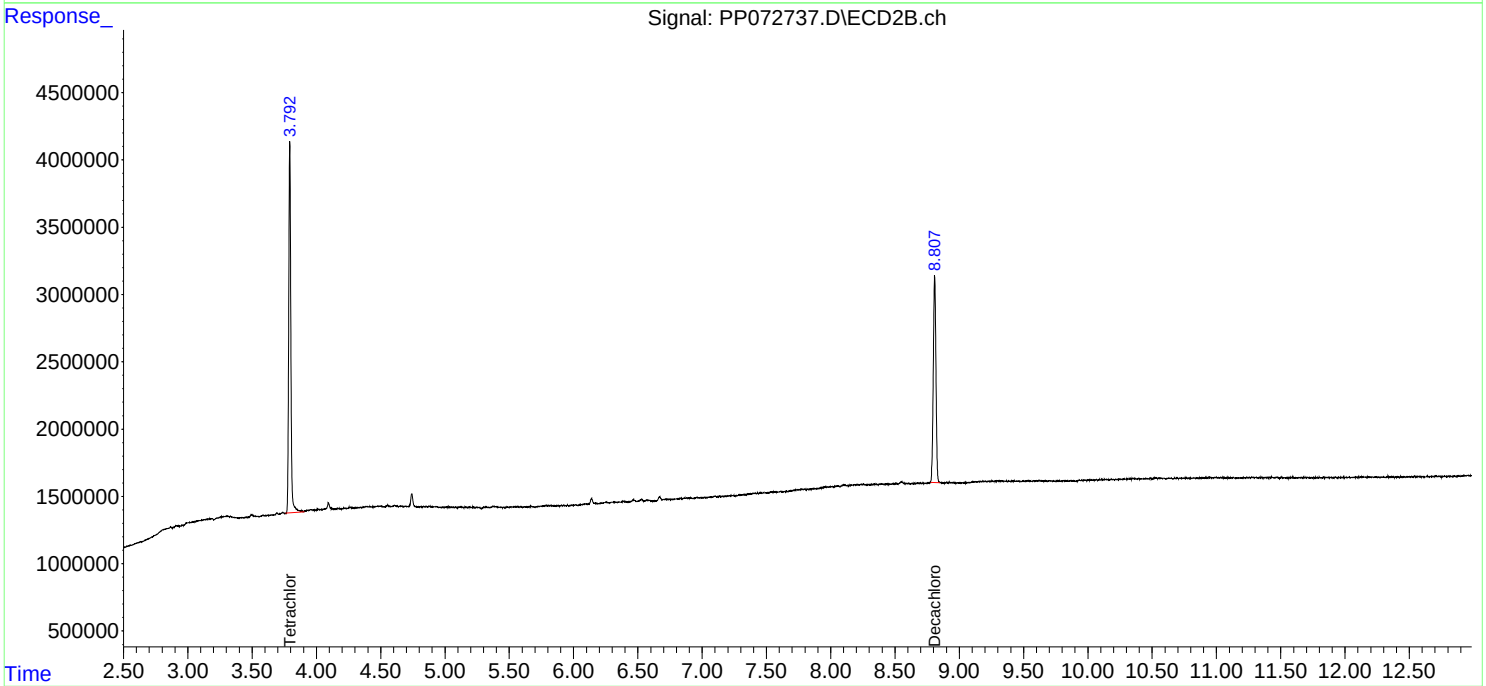
Manual Integrations APPROVED

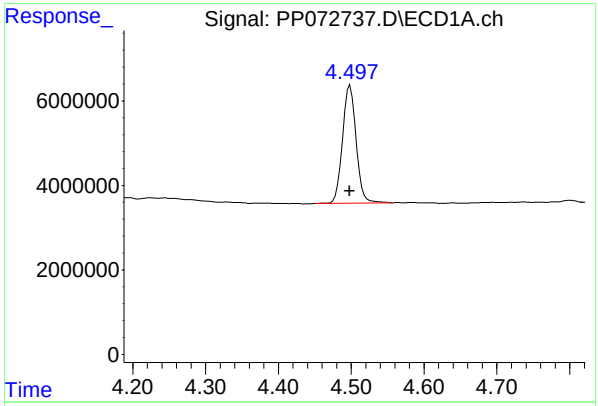
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:33:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







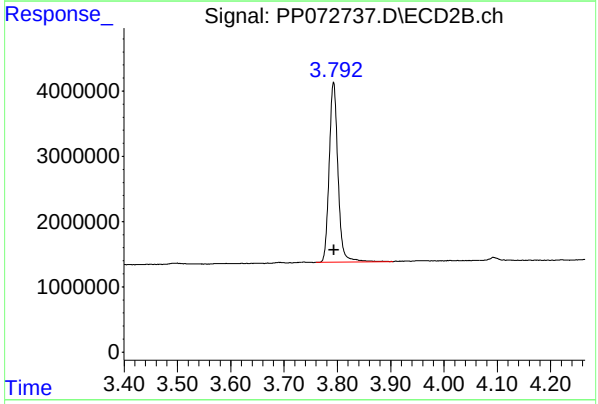
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 36208870
Conc: 18.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

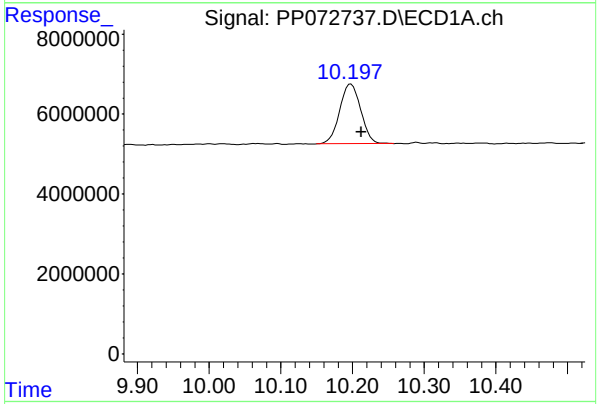
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



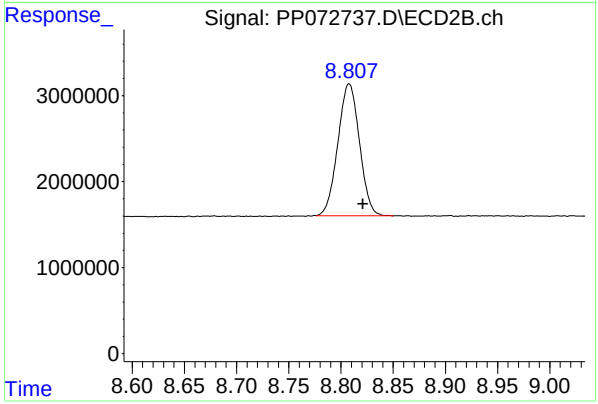
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 31775489
Conc: 19.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: -0.016 min
Response: 30380059
Conc: 18.65 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 22104920
Conc: 20.88 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/09/25
Project:	Raymark Superfund Site	Date Received:	06/09/25
Client Sample ID:	PIBLK-PP072753.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PP072753.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072753.D	1		06/09/25	pp060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	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	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.0		60 - 140		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140		88%	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_P\Data\PP060925\
Data File : PP072753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 16:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:30:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.793	36235507	31389715	18.020	19.639
2)	SA Decachlor...	10.199	8.808	28681261	22034098	17.605	20.814m
	Target Compounds						

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

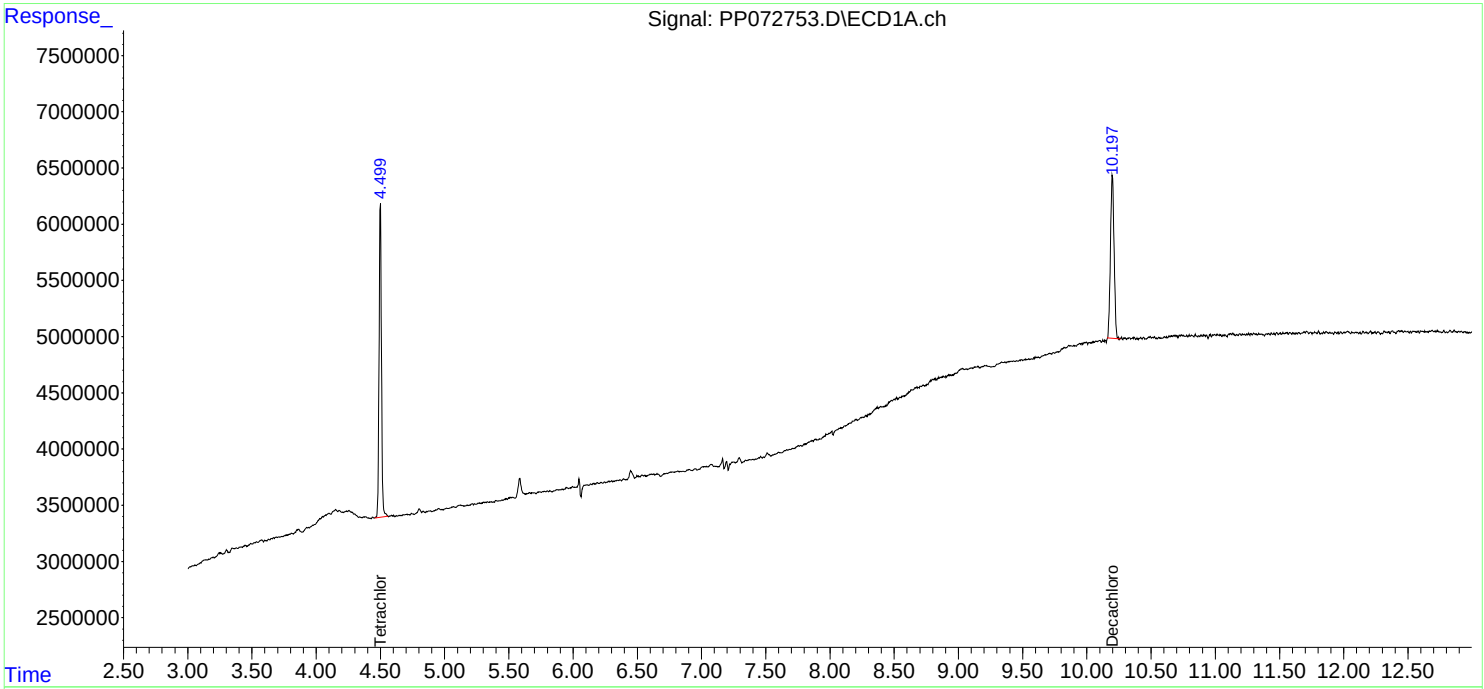
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 16:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

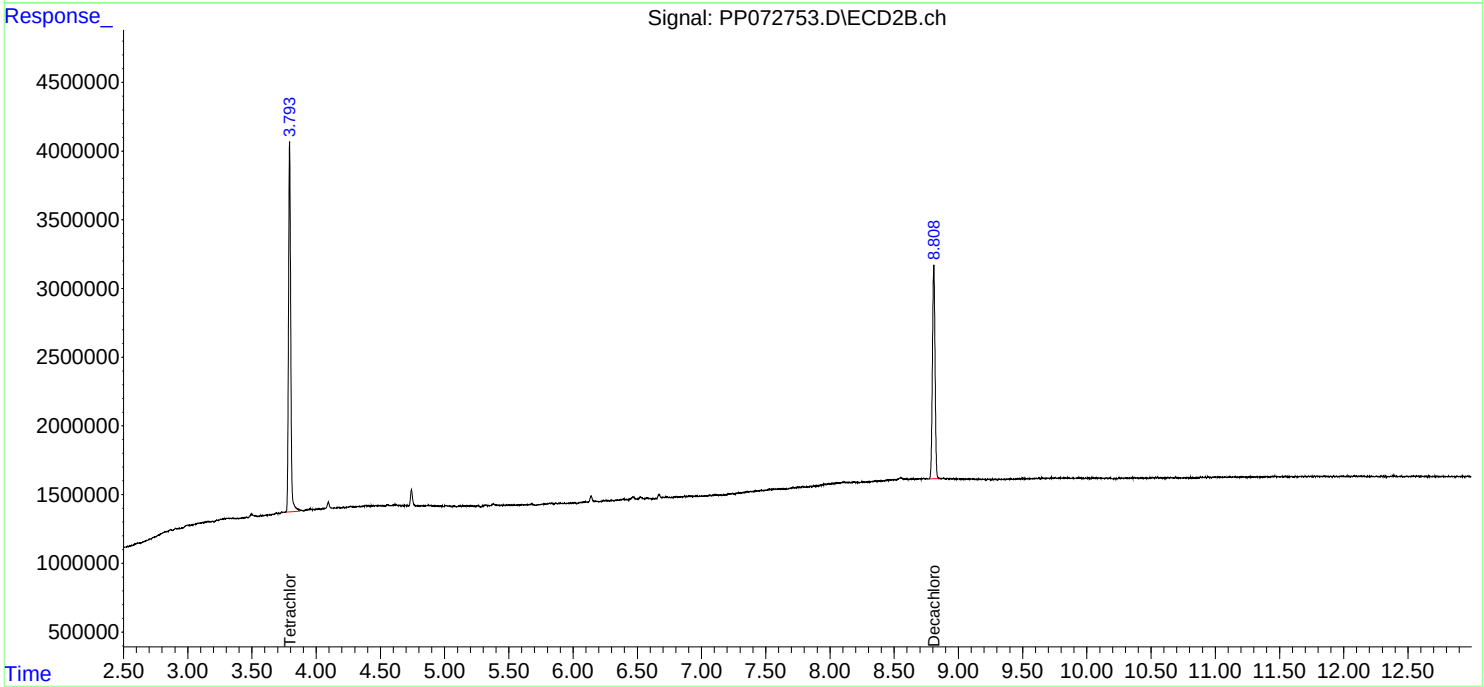
Instrument :
ECD_P
ClientSampleId :
I.BLK

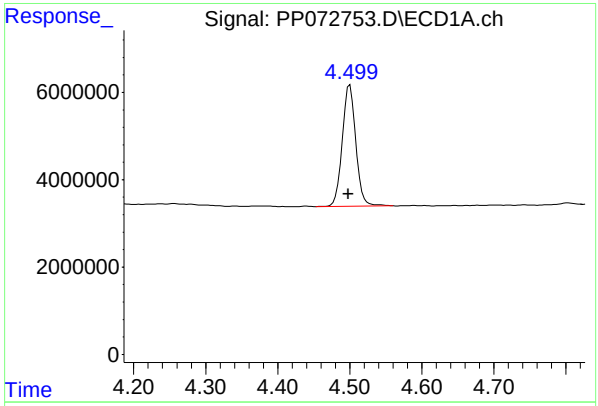
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:30:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







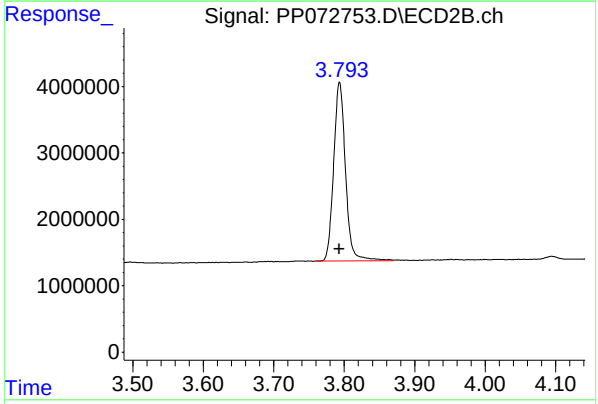
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 36235507
Conc: 18.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

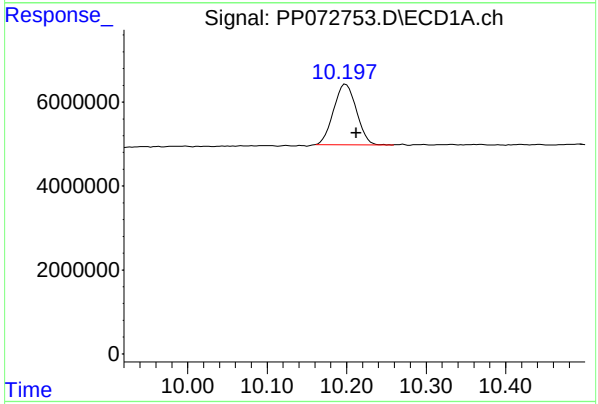
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



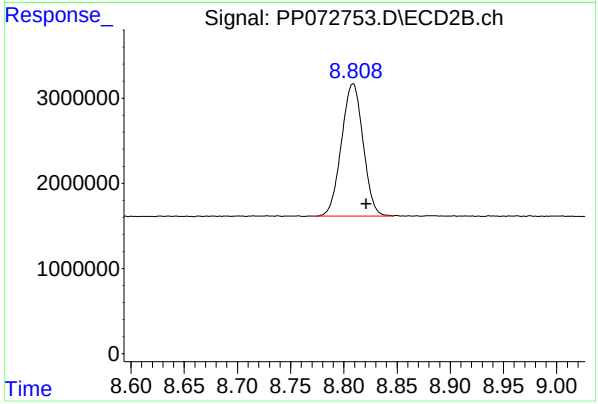
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 31389715
Conc: 19.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 28681261
Conc: 17.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.808 min
Delta R.T.: -0.013 min
Response: 22034098
Conc: 20.81 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/09/25
Project:	Raymark Superfund Site	Date Received:	06/09/25
Client Sample ID:	PIBLK-PP072769.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PP072769.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072769.D	1		06/09/25	pp060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	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	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		60 - 140		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140		91%	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_P\Data\PP060925\
Data File : PP072769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 22:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.497	3.793	35924955	31822740	17.866	19.910
2)	SA Decachlor...	10.195	8.806	29507959	22707609	18.113m	21.451m
	Target Compounds						

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

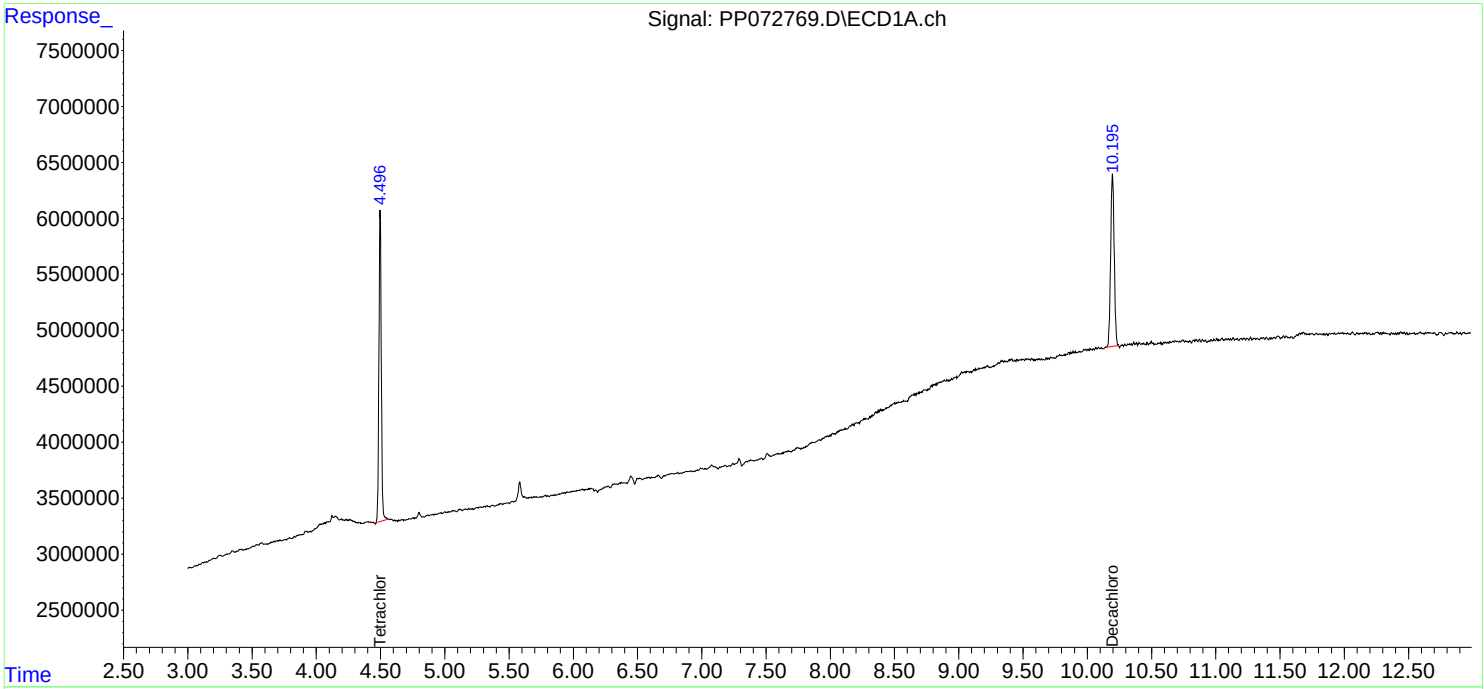
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 22:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

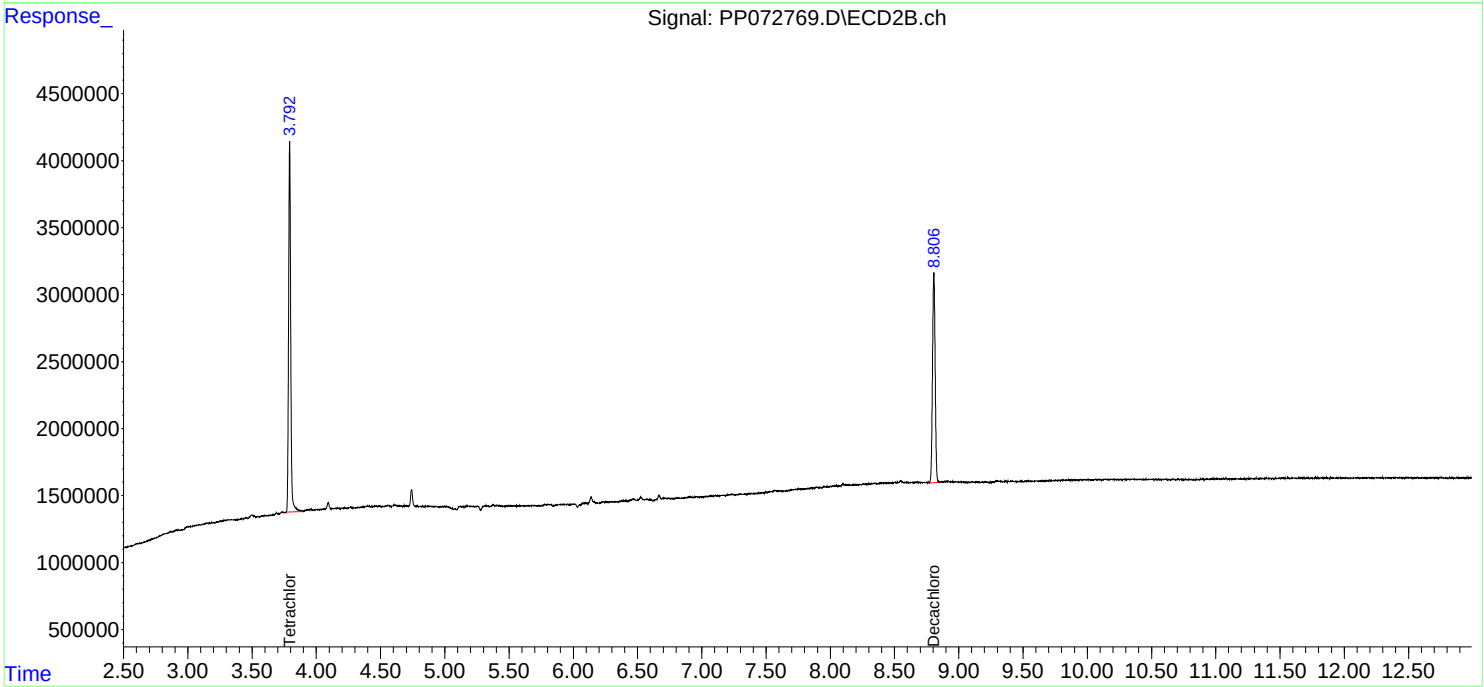
Instrument :
ECD_P
ClientSampleId :
I.BLK

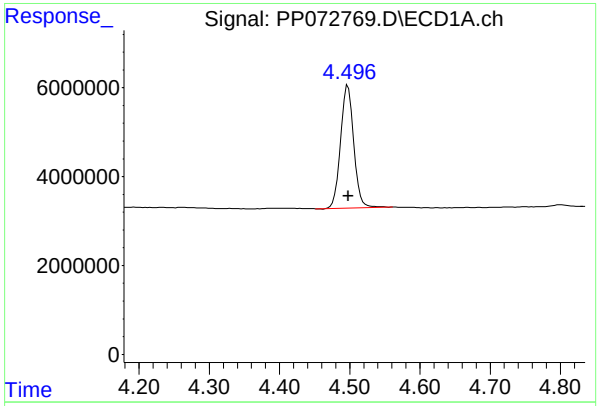
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







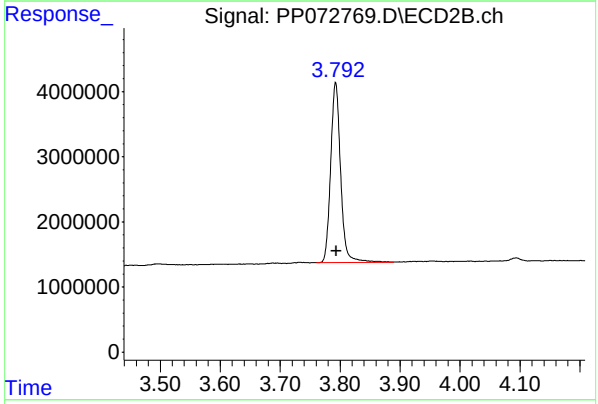
#1 Tetrachloro-m-xylene

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 35924955
Conc: 17.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

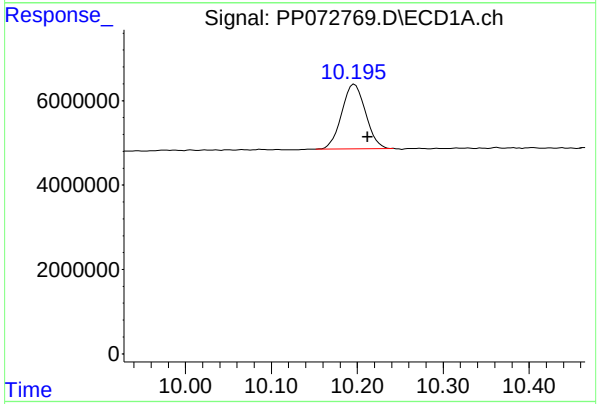
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



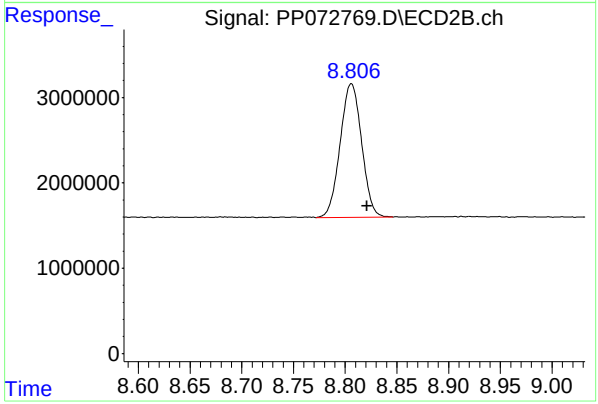
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 31822740
Conc: 19.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.195 min
Delta R.T.: -0.017 min
Response: 29507959
Conc: 18.11 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: -0.015 min
Response: 22707609
Conc: 21.45 ng/ml m

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

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB168349BS		SDG No.:	Q2259	
Lab Sample ID:	PB168349BS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072744.D	1	06/09/25 09:10	06/09/25 13:29	PB168349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	141		3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	139		3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.5		44 - 130		102%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 125		111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:29
Operator : YP\AJ
Sample : PB168349BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168349BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.501	3.793	39754714	32726244	19.771	20.475
2)	SA Decachlor...	10.200	8.807	32447169	23510722	19.917	22.209m
	Target Compounds						
3)	L1 AR-1016-1	5.653	4.874	26488833	25793148	352.791	419.882
4)	L1 AR-1016-2	5.675	4.892	41783357	37363808	390.529	425.608
5)	L1 AR-1016-3	5.736	5.069	24720457	20331138	377.038	426.636
6)	L1 AR-1016-4	5.834	5.111	21050970	16263694	395.175	427.482
7)	L1 AR-1016-5	6.126	5.325	18537417	20736686	379.017	416.195
31)	L7 AR-1260-1	7.243	6.356	34870233	35412346	372.566	444.021
32)	L7 AR-1260-2	7.497	6.545	55245731	42540932	385.015	419.444
33)	L7 AR-1260-3	7.855	6.697	37863267	38134488	332.511	438.820 #
34)	L7 AR-1260-4	8.079	7.167	36734342	28471511	342.343	394.939
35)	L7 AR-1260-5	8.398	7.409	83366838	68370408	352.261	393.784

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

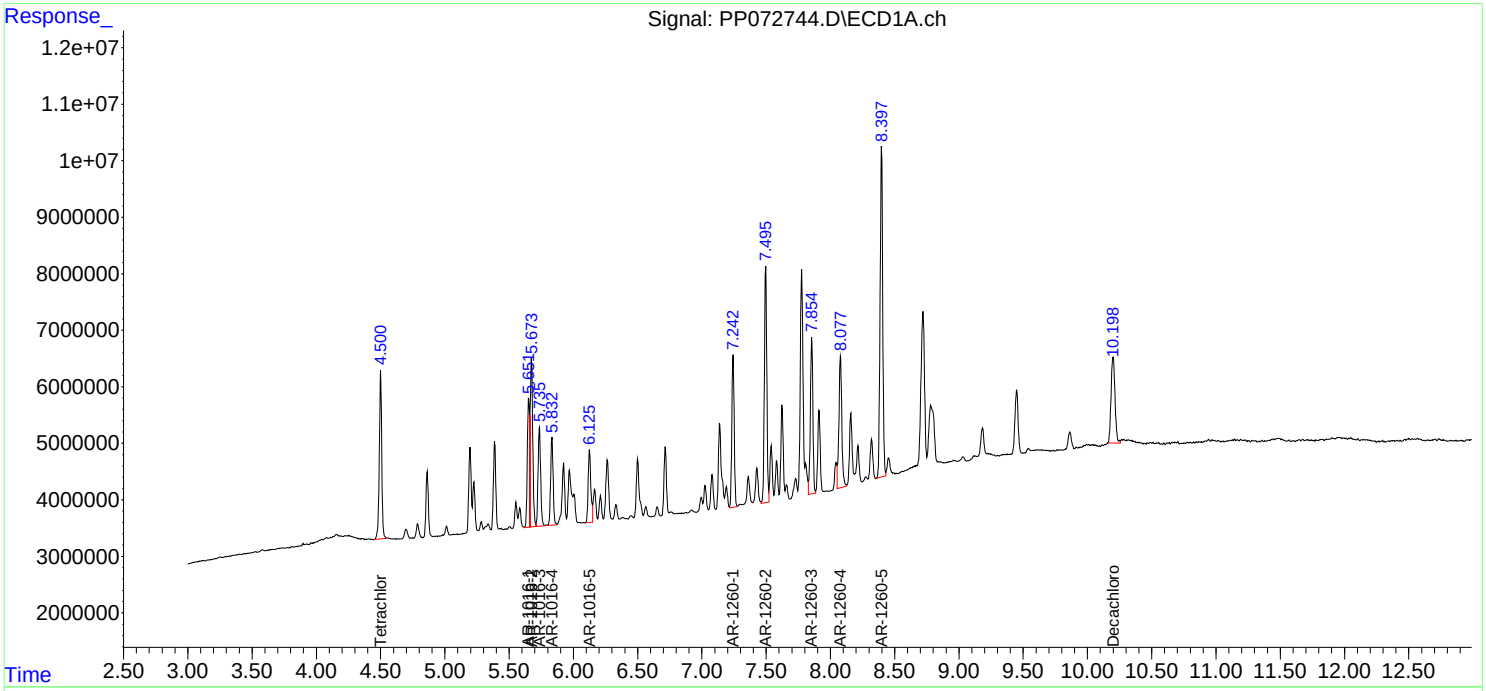
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:29
Operator : YP\AJ
Sample : PB168349BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

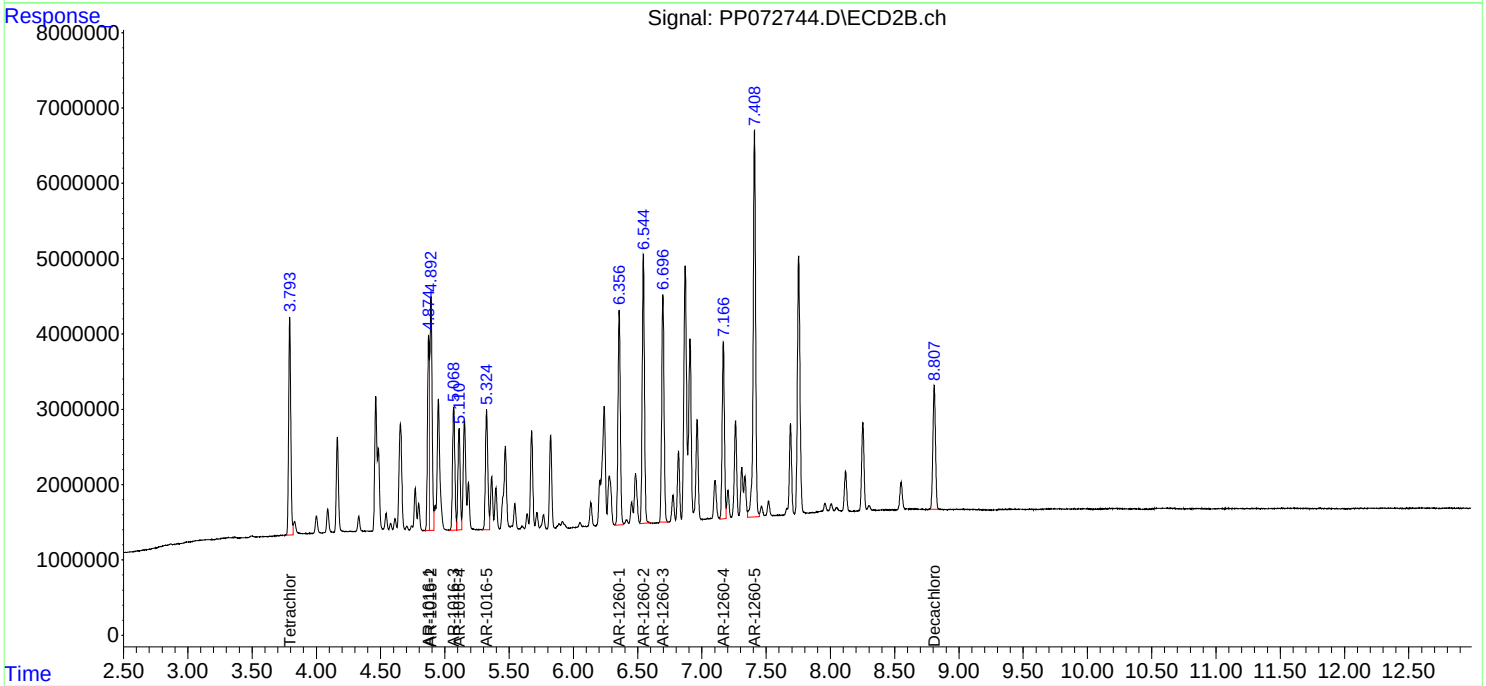
Instrument :
ECD_P
ClientSampleId :
PB168349BS

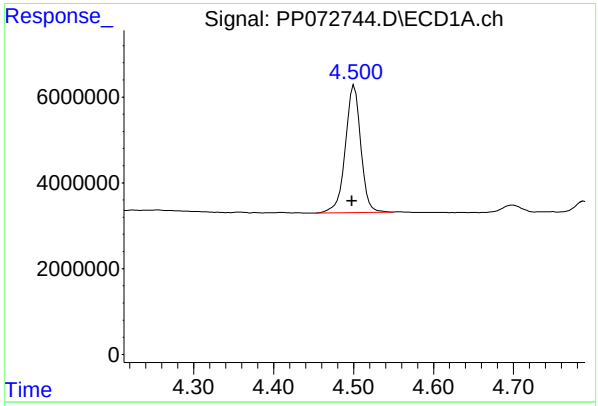
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







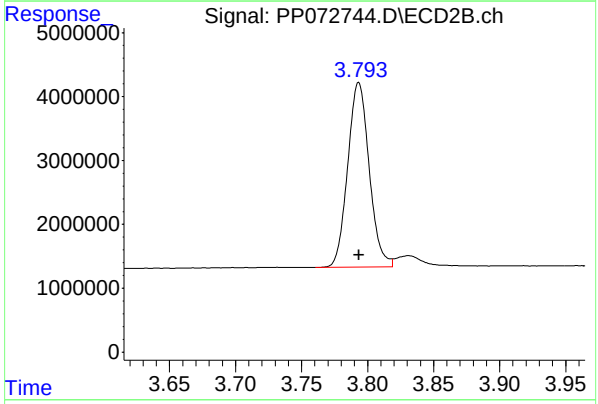
#1 Tetrachloro-m-xylene

R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 39754714
Conc: 19.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS

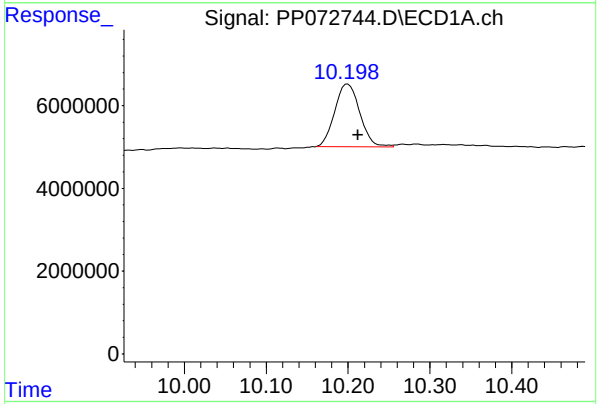
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



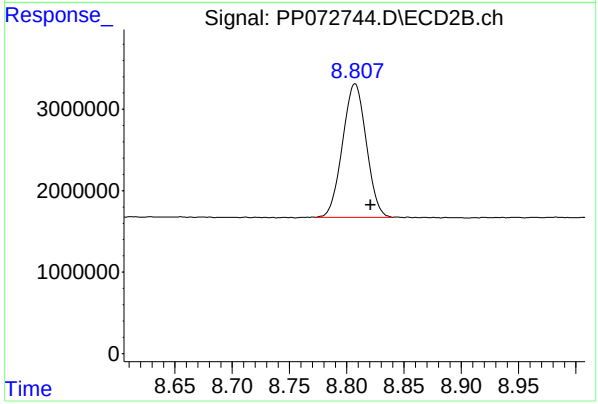
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 32726244
Conc: 20.47 ng/ml



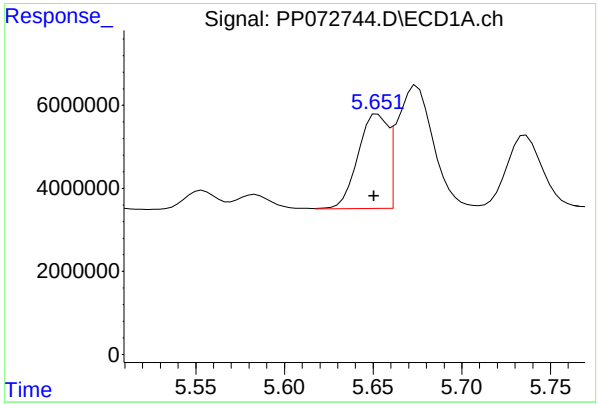
#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.013 min
Response: 32447169
Conc: 19.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 23510722
Conc: 22.21 ng/ml m



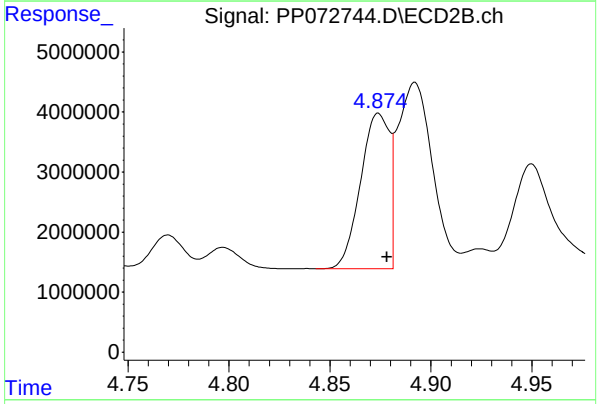
#3 AR-1016-1

R.T.: 5.653 min
Delta R.T.: 0.002 min
Response: 26488833
Conc: 352.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS

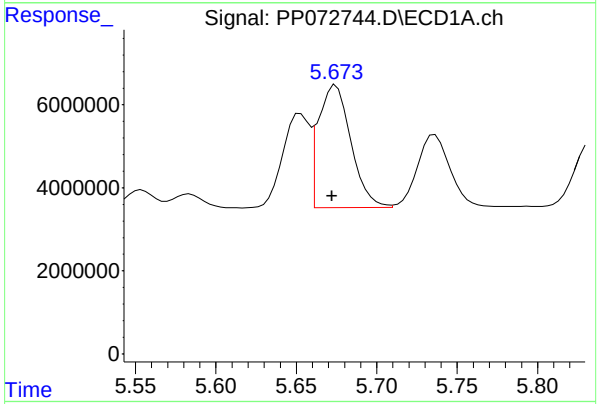
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



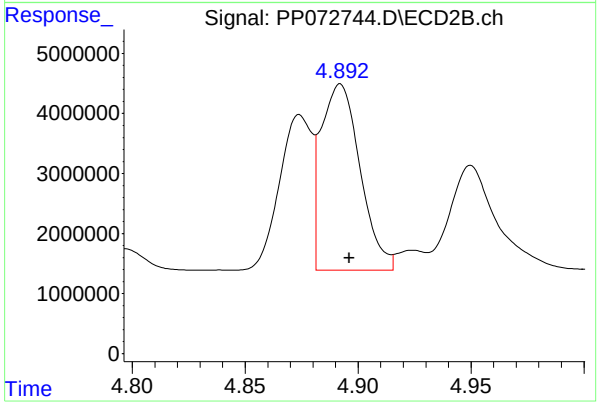
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 25793148
Conc: 419.88 ng/ml



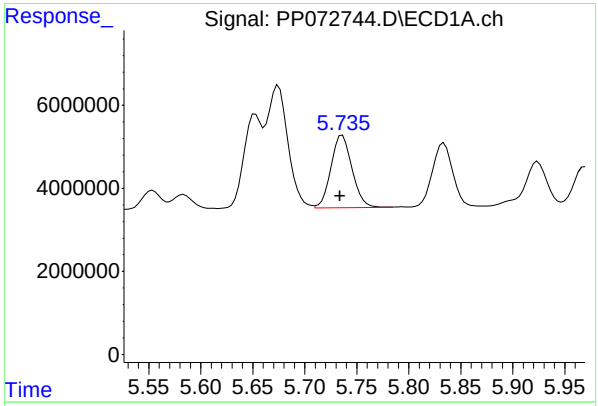
#4 AR-1016-2

R.T.: 5.675 min
Delta R.T.: 0.002 min
Response: 41783357
Conc: 390.53 ng/ml



#4 AR-1016-2

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 37363808
Conc: 425.61 ng/ml



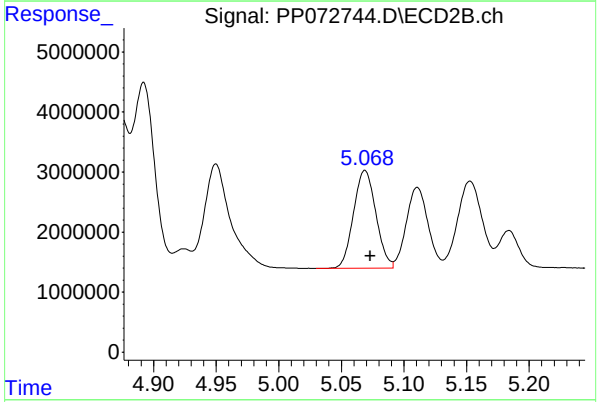
#5 AR-1016-3

R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 24720457
Conc: 377.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS

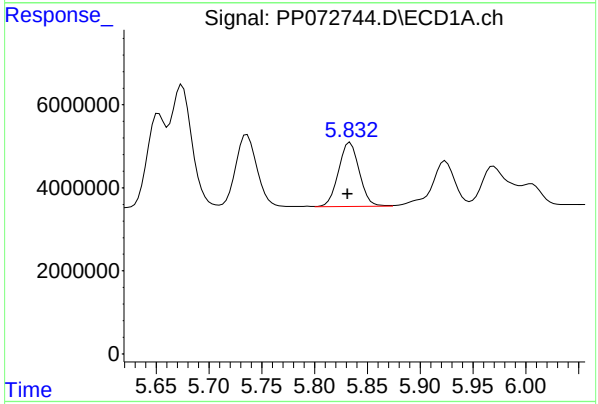
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



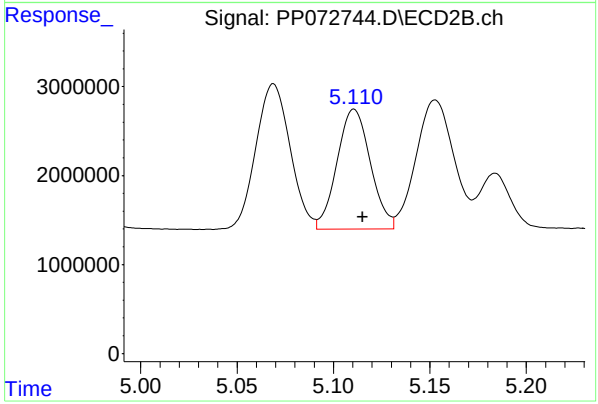
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 20331138
Conc: 426.64 ng/ml



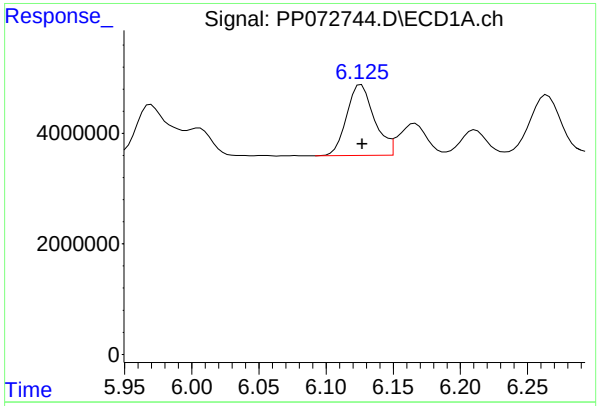
#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 21050970
Conc: 395.18 ng/ml



#6 AR-1016-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 16263694
Conc: 427.48 ng/ml



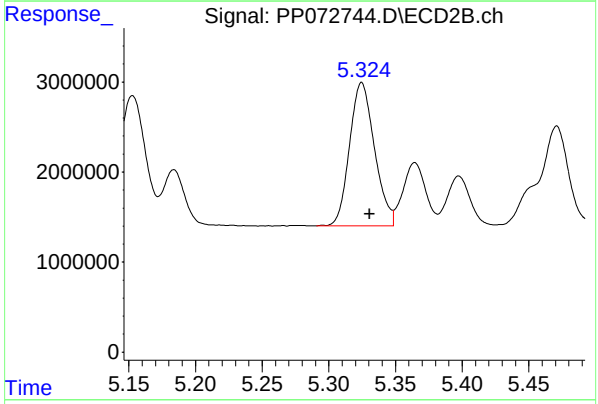
#7 AR-1016-5

R.T.: 6.126 min
Delta R.T.: 0.000 min
Response: 18537417
Conc: 379.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS

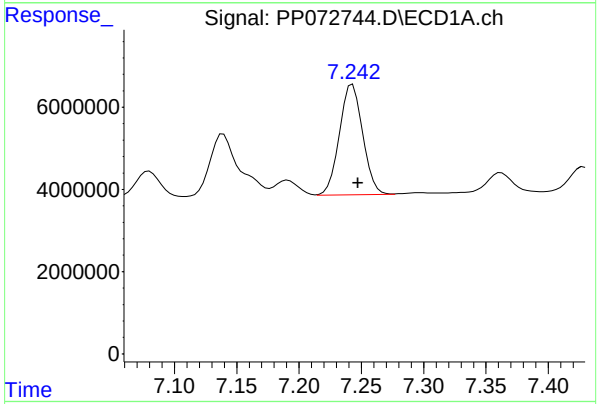
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



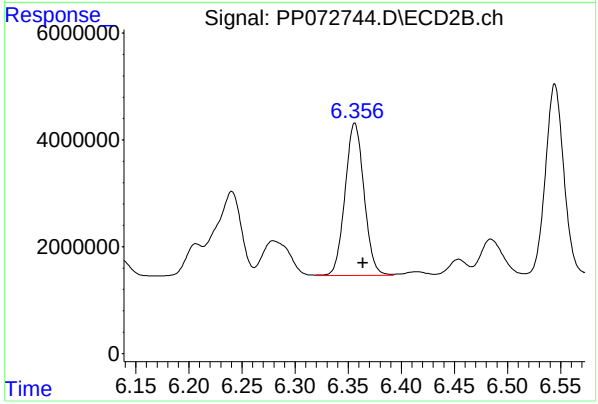
#7 AR-1016-5

R.T.: 5.325 min
Delta R.T.: -0.006 min
Response: 20736686
Conc: 416.20 ng/ml



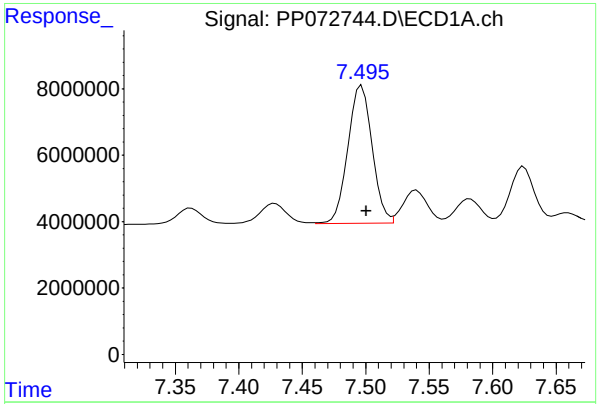
#31 AR-1260-1

R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 34870233
Conc: 372.57 ng/ml



#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.008 min
Response: 35412346
Conc: 444.02 ng/ml



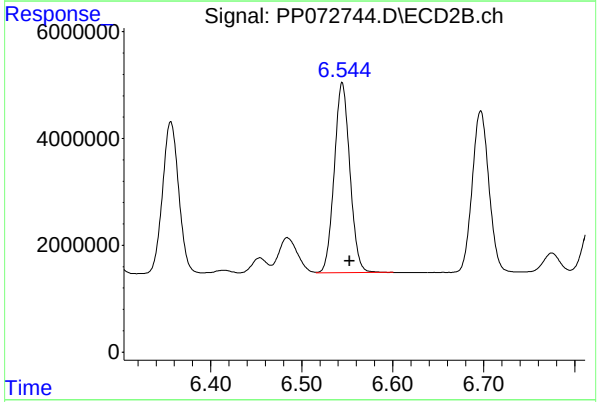
#32 AR-1260-2

R.T.: 7.497 min
Delta R.T.: -0.004 min
Response: 55245731
Conc: 385.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS

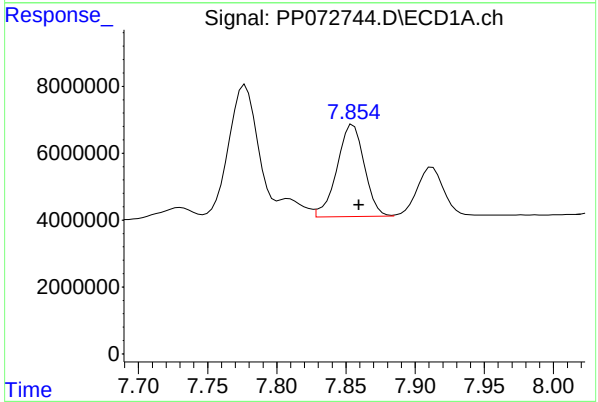
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



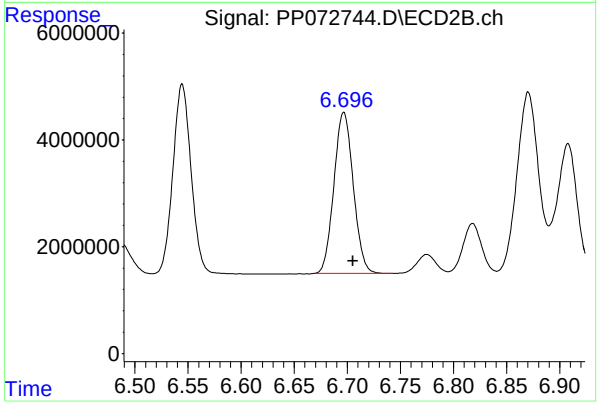
#32 AR-1260-2

R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 42540932
Conc: 419.44 ng/ml



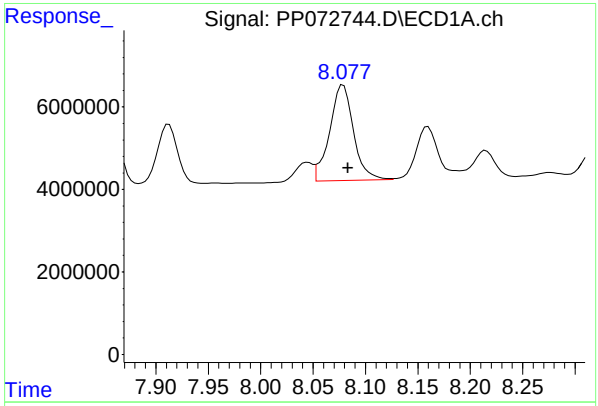
#33 AR-1260-3

R.T.: 7.855 min
Delta R.T.: -0.004 min
Response: 37863267
Conc: 332.51 ng/ml



#33 AR-1260-3

R.T.: 6.697 min
Delta R.T.: -0.009 min
Response: 38134488
Conc: 438.82 ng/ml



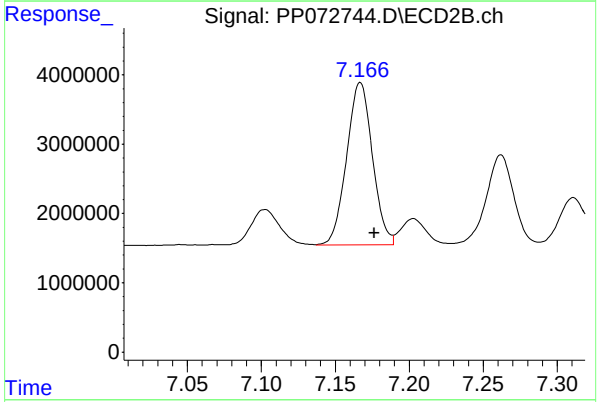
#34 AR-1260-4

R.T.: 8.079 min
Delta R.T.: -0.005 min
Response: 36734342
Conc: 342.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS

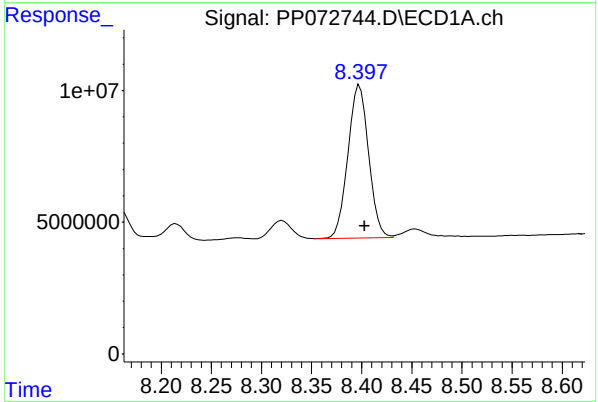
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



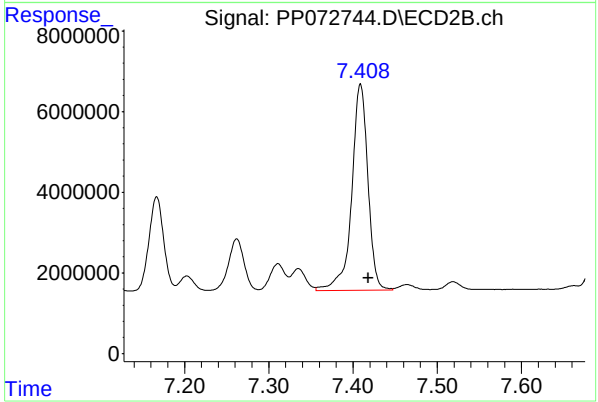
#34 AR-1260-4

R.T.: 7.167 min
Delta R.T.: -0.009 min
Response: 28471511
Conc: 394.94 ng/ml



#35 AR-1260-5

R.T.: 8.398 min
Delta R.T.: -0.005 min
Response: 83366838
Conc: 352.26 ng/ml



#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 68370408
Conc: 393.78 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/05/25
Client Sample ID:	BU-03-060525MS	SDG No.:	Q2259
Lab Sample ID:	Q2246-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	99 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072746.D	1	06/09/25 09:10	06/09/25 14:01	PB168349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	146		4.00	8.40	17.1	ug/kg
11104-28-2	Aroclor-1221	13.1	U	4.10	13.1	17.1	ug/kg
11141-16-5	Aroclor-1232	8.40	U	3.70	8.40	17.1	ug/kg
53469-21-9	Aroclor-1242	8.40	U	4.00	8.40	17.1	ug/kg
12672-29-6	Aroclor-1248	13.1	U	6.00	13.1	17.1	ug/kg
11097-69-1	Aroclor-1254	8.40	U	3.20	8.40	17.1	ug/kg
37324-23-5	Aroclor-1262	13.1	U	5.10	13.1	17.1	ug/kg
11100-14-4	Aroclor-1268	8.40	U	3.60	8.40	17.1	ug/kg
11096-82-5	Aroclor-1260	137		3.30	8.40	17.1	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.0		44 - 130		115%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		60 - 125		120%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:01
Operator : YP\AJ
Sample : Q2246-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.498	3.794	43698586	36701828	21.732	22.962
2)	SA Decachlor...	10.196	8.808	34227303	25341913	21.010m	23.939m
	Target Compounds						
3)	L1 AR-1016-1	5.650	4.874	26915929	26576167	358.479	432.629
4)	L1 AR-1016-2	5.672	4.892	41068211	38432121	383.845	437.777
5)	L1 AR-1016-3	5.734	5.069	24957311	20946963	380.650	439.559
6)	L1 AR-1016-4	5.831	5.111	21060886	16810081	395.361	441.844
7)	L1 AR-1016-5	6.124	5.324	18058715	21000811	369.229	421.496
31)	L7 AR-1260-1	7.241	6.356	39341703	35250563	420.341	441.993
32)	L7 AR-1260-2	7.494	6.545	52397398	41361468	365.165	407.815
33)	L7 AR-1260-3	7.852	6.697	36835612	37303536	323.486	429.258 #
34)	L7 AR-1260-4	8.075	7.167	39147642	27306981	364.834m	378.785
35)	L7 AR-1260-5	8.395	7.409	83510668	66034833	352.869	380.332

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

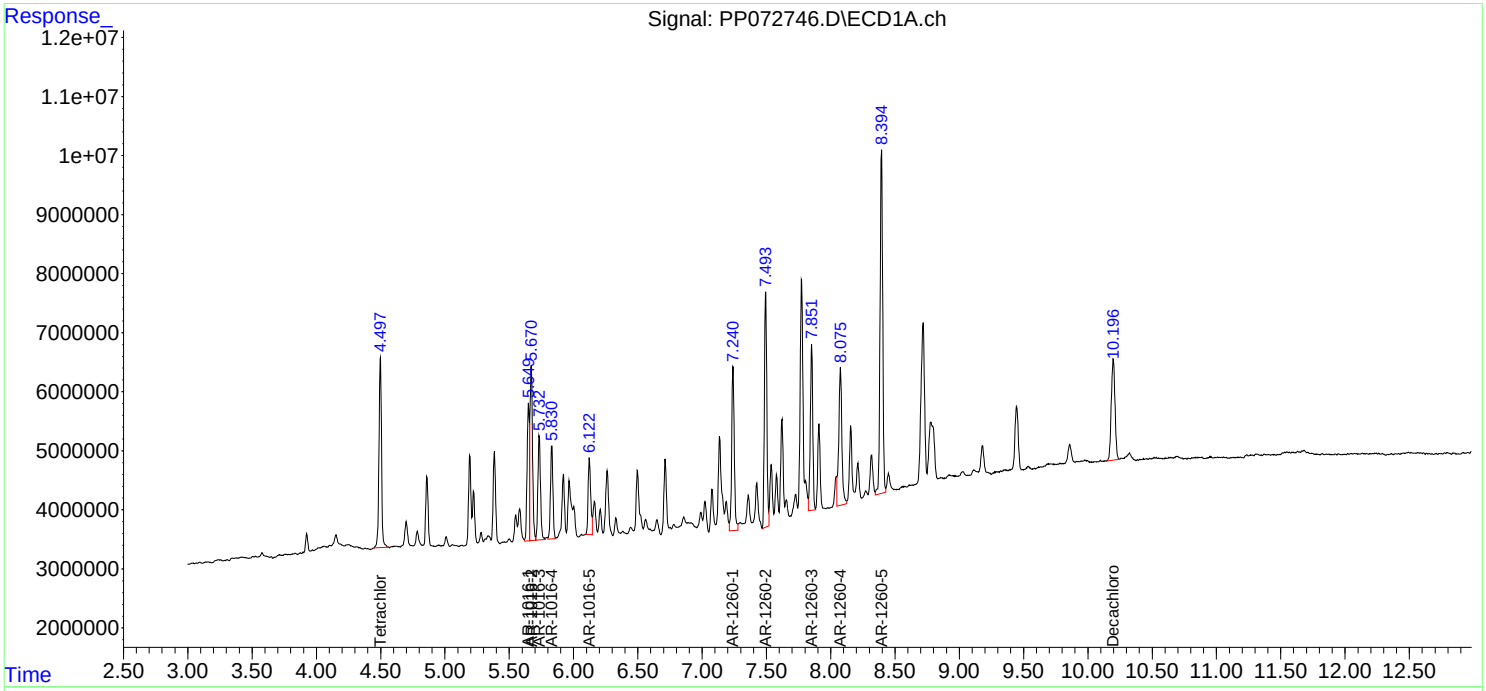
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:01
Operator : YP\AJ
Sample : Q2246-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

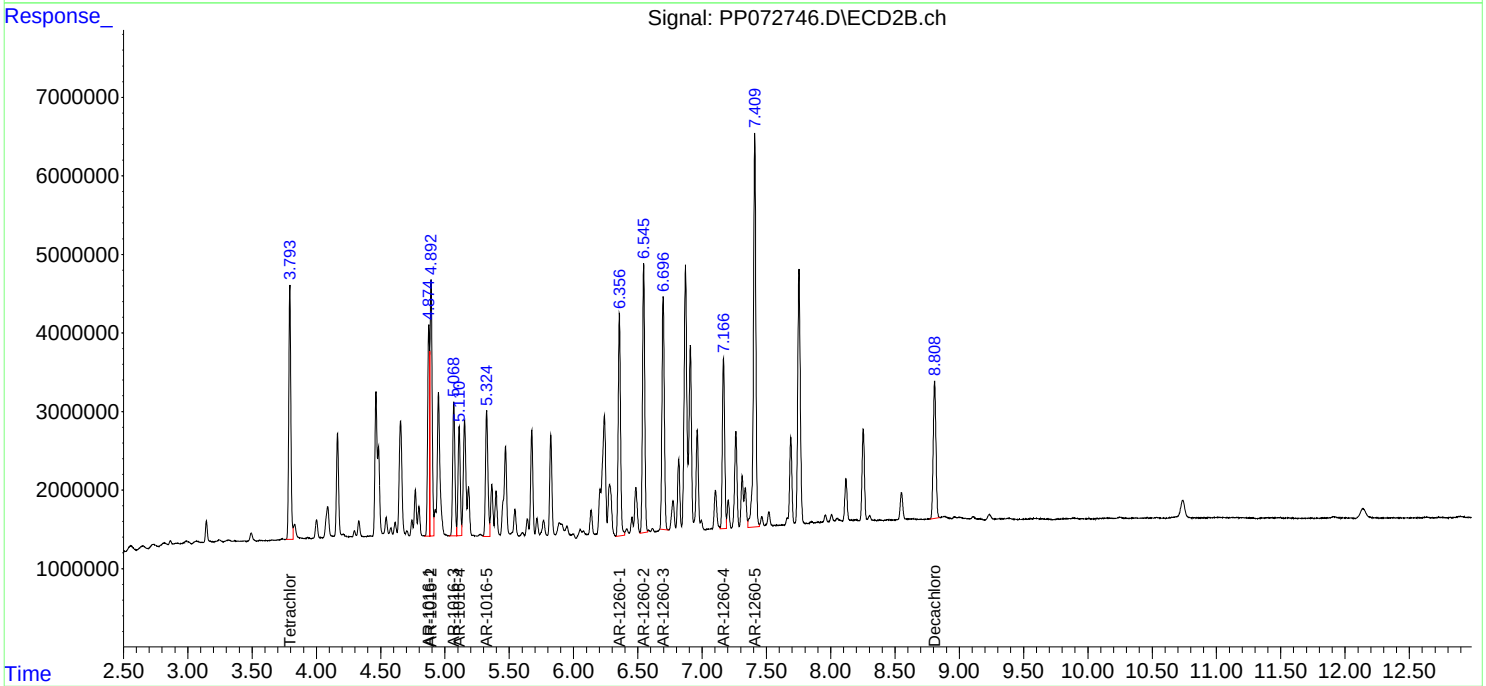
Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

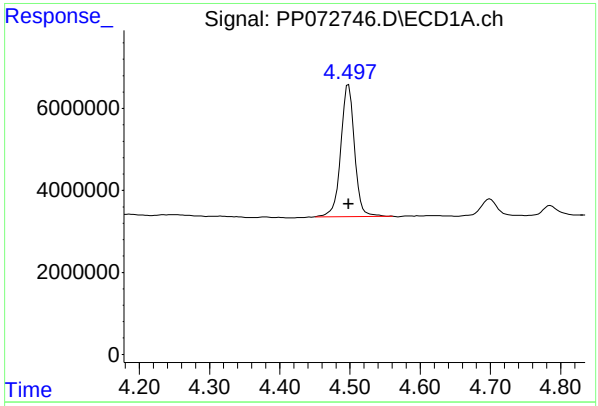
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







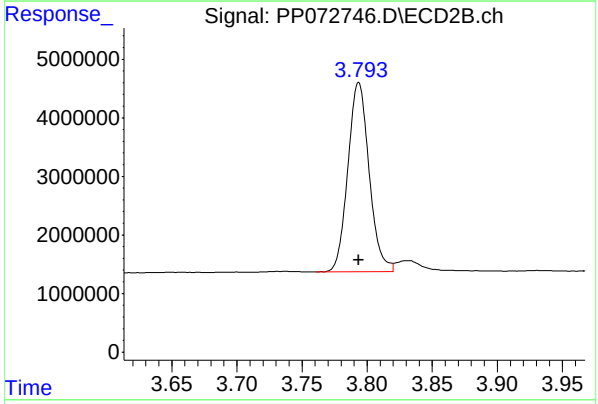
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 43698586
Conc: 21.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

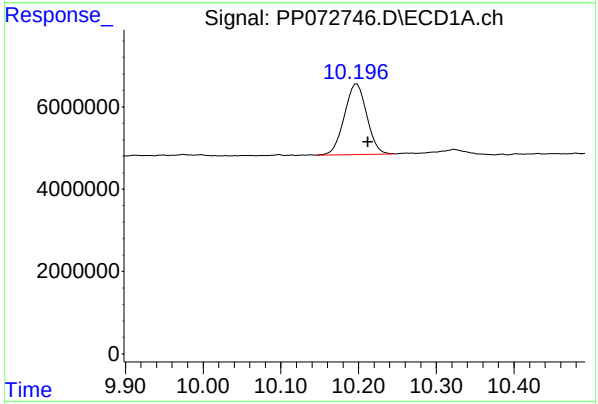
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



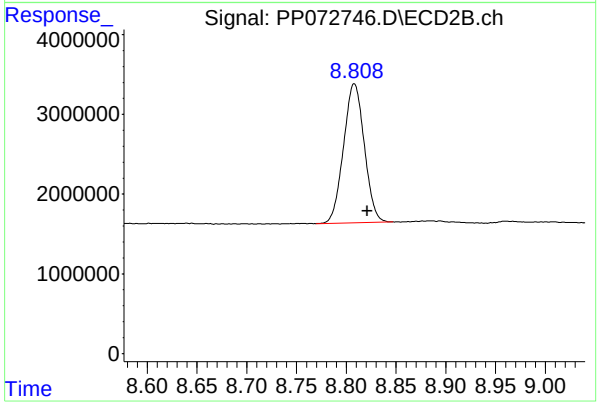
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 36701828
Conc: 22.96 ng/ml



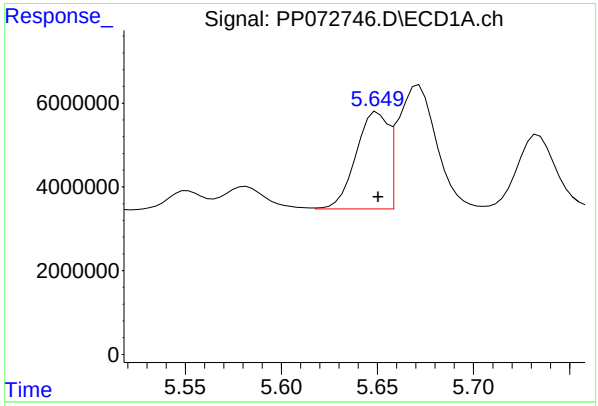
#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.016 min
Response: 34227303
Conc: 21.01 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.808 min
Delta R.T.: -0.014 min
Response: 25341913
Conc: 23.94 ng/ml m



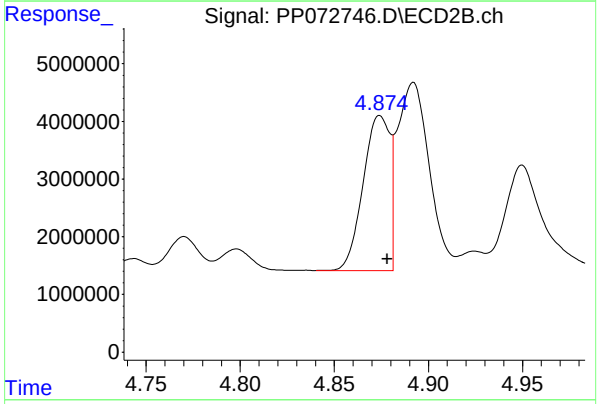
#3 AR-1016-1

R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 26915929
Conc: 358.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

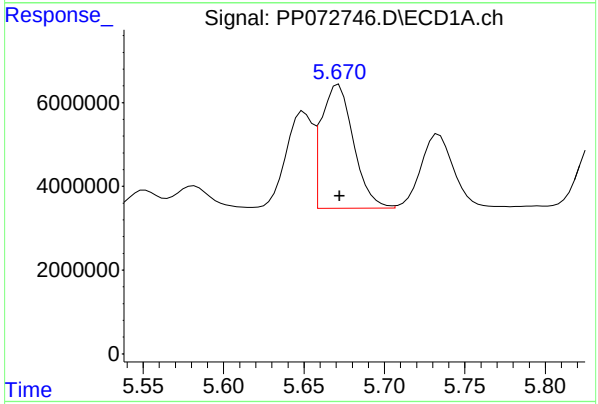
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



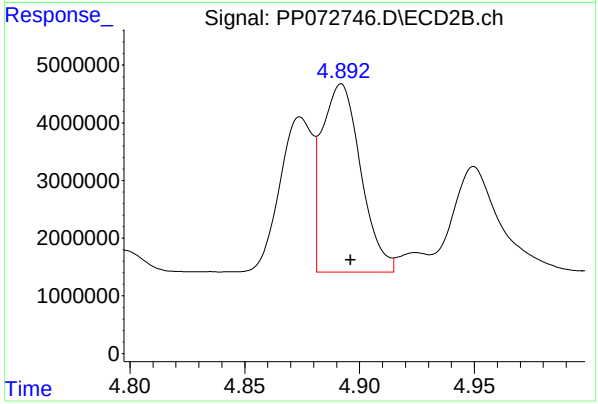
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 26576167
Conc: 432.63 ng/ml



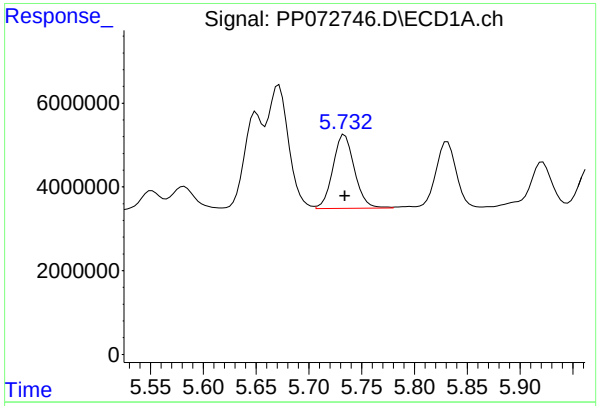
#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 41068211
Conc: 383.84 ng/ml



#4 AR-1016-2

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 38432121
Conc: 437.78 ng/ml



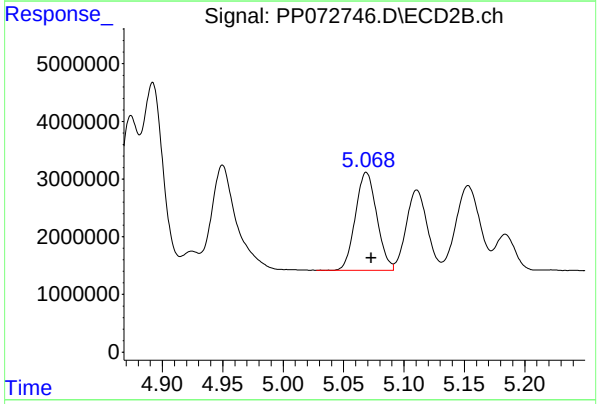
#5 AR-1016-3

R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 24957311
Conc: 380.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

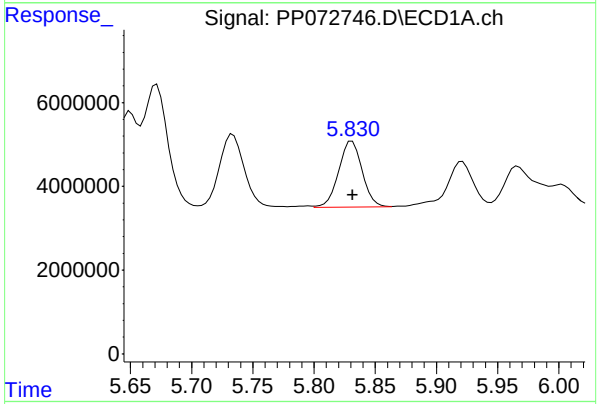
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



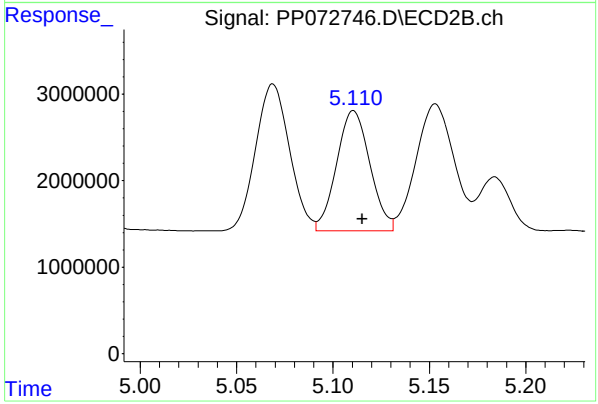
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 20946963
Conc: 439.56 ng/ml



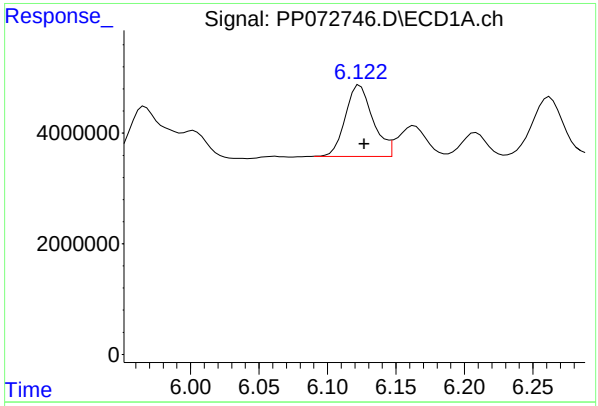
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 21060886
Conc: 395.36 ng/ml



#6 AR-1016-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 16810081
Conc: 441.84 ng/ml



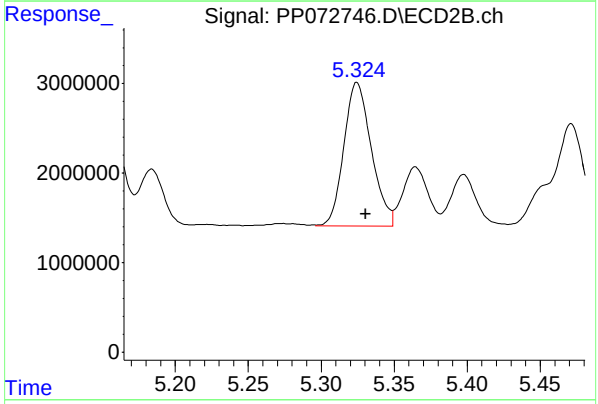
#7 AR-1016-5

R.T.: 6.124 min
Delta R.T.: -0.003 min
Response: 18058715
Conc: 369.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

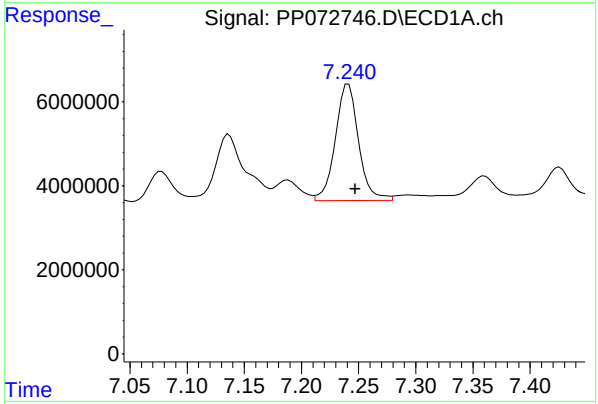
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



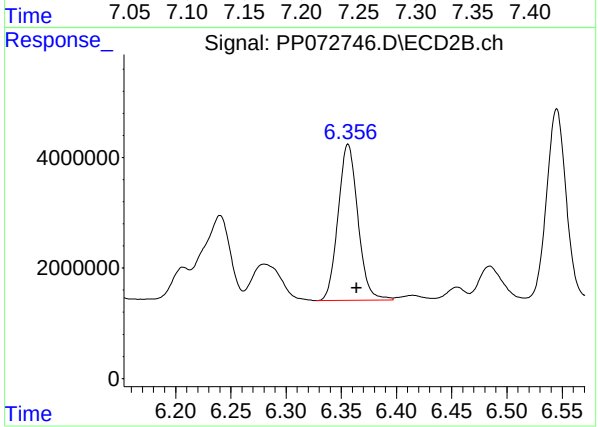
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 21000811
Conc: 421.50 ng/ml



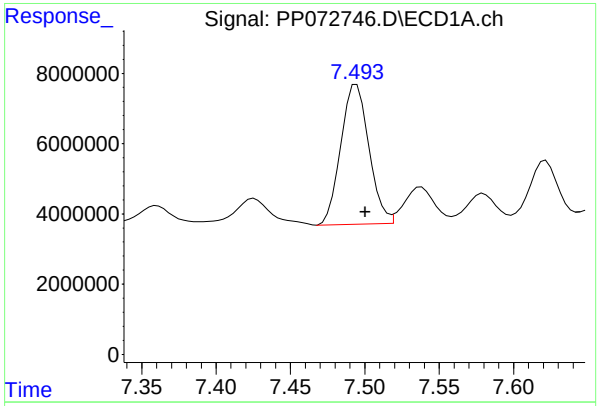
#31 AR-1260-1

R.T.: 7.241 min
Delta R.T.: -0.006 min
Response: 39341703
Conc: 420.34 ng/ml



#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.008 min
Response: 35250563
Conc: 441.99 ng/ml



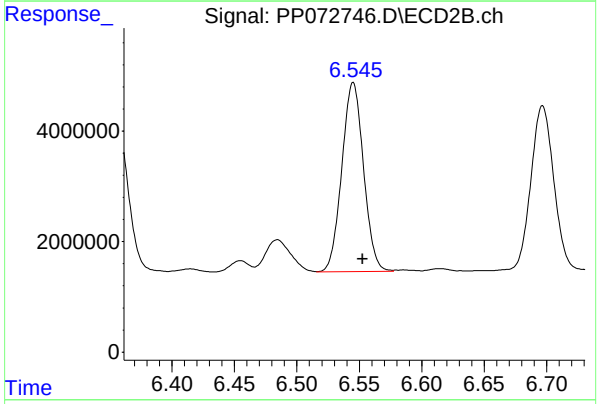
#32 AR-1260-2

R.T.: 7.494 min
Delta R.T.: -0.006 min
Response: 52397398
Conc: 365.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

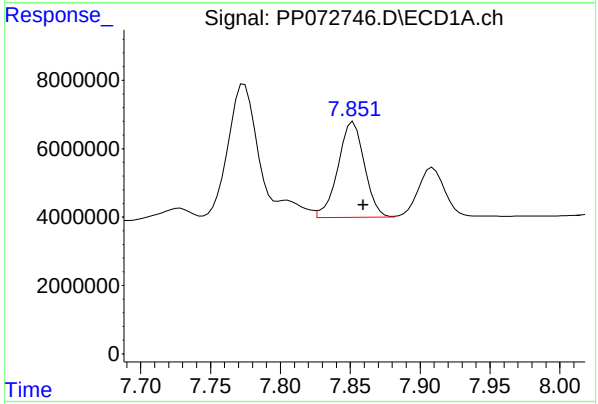
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



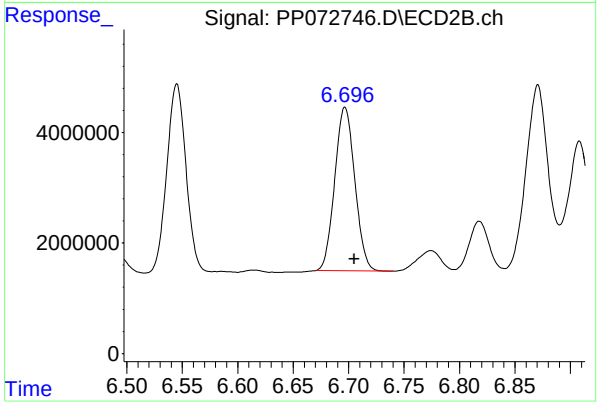
#32 AR-1260-2

R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 41361468
Conc: 407.81 ng/ml



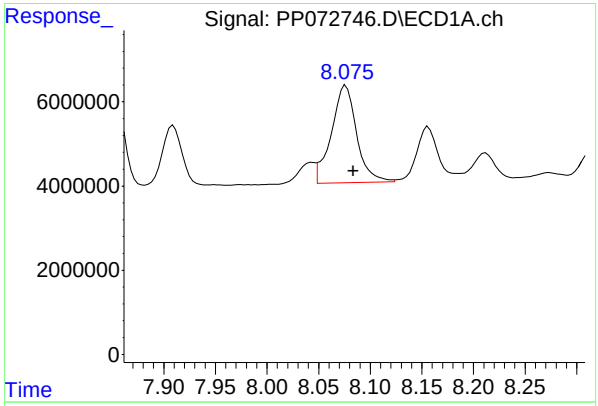
#33 AR-1260-3

R.T.: 7.852 min
Delta R.T.: -0.007 min
Response: 36835612
Conc: 323.49 ng/ml



#33 AR-1260-3

R.T.: 6.697 min
Delta R.T.: -0.009 min
Response: 37303536
Conc: 429.26 ng/ml



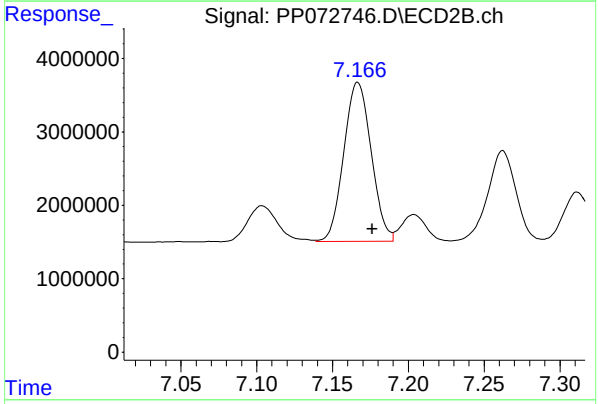
#34 AR-1260-4

R.T.: 8.075 min
Delta R.T.: -0.008 min
Response: 39147642
Conc: 364.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

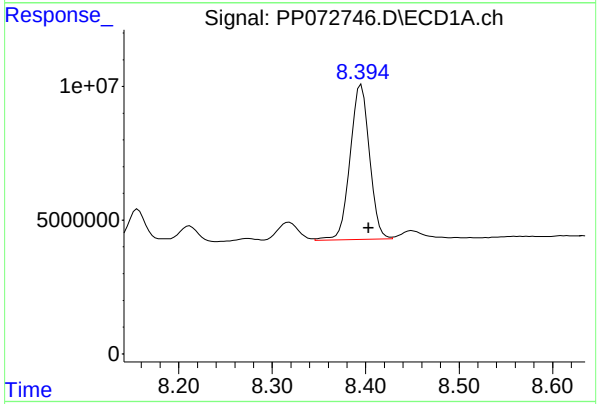
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



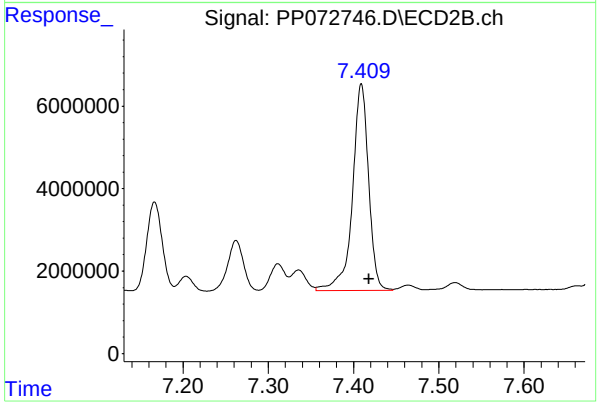
#34 AR-1260-4

R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 27306981
Conc: 378.79 ng/ml



#35 AR-1260-5

R.T.: 8.395 min
Delta R.T.: -0.008 min
Response: 83510668
Conc: 352.87 ng/ml



#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 66034833
Conc: 380.33 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/05/25
Client Sample ID:	BU-03-060525MSD	SDG No.:	Q2259
Lab Sample ID:	Q2246-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	99 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072747.D	1	06/09/25 09:10	06/09/25 14:18	PB168349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	141		4.00	8.40	17.1	ug/kg
11104-28-2	Aroclor-1221	13.1	U	4.10	13.1	17.1	ug/kg
11141-16-5	Aroclor-1232	8.40	U	3.80	8.40	17.1	ug/kg
53469-21-9	Aroclor-1242	8.40	U	4.00	8.40	17.1	ug/kg
12672-29-6	Aroclor-1248	13.1	U	6.00	13.1	17.1	ug/kg
11097-69-1	Aroclor-1254	8.40	U	3.20	8.40	17.1	ug/kg
37324-23-5	Aroclor-1262	13.1	U	5.10	13.1	17.1	ug/kg
11100-14-4	Aroclor-1268	8.40	U	3.60	8.40	17.1	ug/kg
11096-82-5	Aroclor-1260	136		3.30	8.40	17.1	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.9		44 - 130		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		60 - 125		115%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:18
Operator : YP\AJ
Sample : Q2246-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.793	41377739	35005949	20.578	21.901
2)	SA Decachlor...	10.200	8.807	33387980	24330023	20.494	22.983m
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.874	25860704	25519658	344.425	415.430
4)	L1 AR-1016-2	5.674	4.892	39206429	36723173	366.444	418.310
5)	L1 AR-1016-3	5.736	5.069	23702315	20136509	361.509	422.552
6)	L1 AR-1016-4	5.833	5.110	21016386	16127646	394.526	423.906
7)	L1 AR-1016-5	6.125	5.324	17627500	20520325	360.413	411.853
31)	L7 AR-1260-1	7.243	6.356	37412778	35213210	399.731	441.524
32)	L7 AR-1260-2	7.496	6.545	51614072	40924269	359.706	403.504
33)	L7 AR-1260-3	7.854	6.696	36313161	36809495	318.898	423.573 #
34)	L7 AR-1260-4	8.078	7.167	37730871	27293710	351.631	378.601
35)	L7 AR-1260-5	8.397	7.408	84777358	65735007	358.221	378.606

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

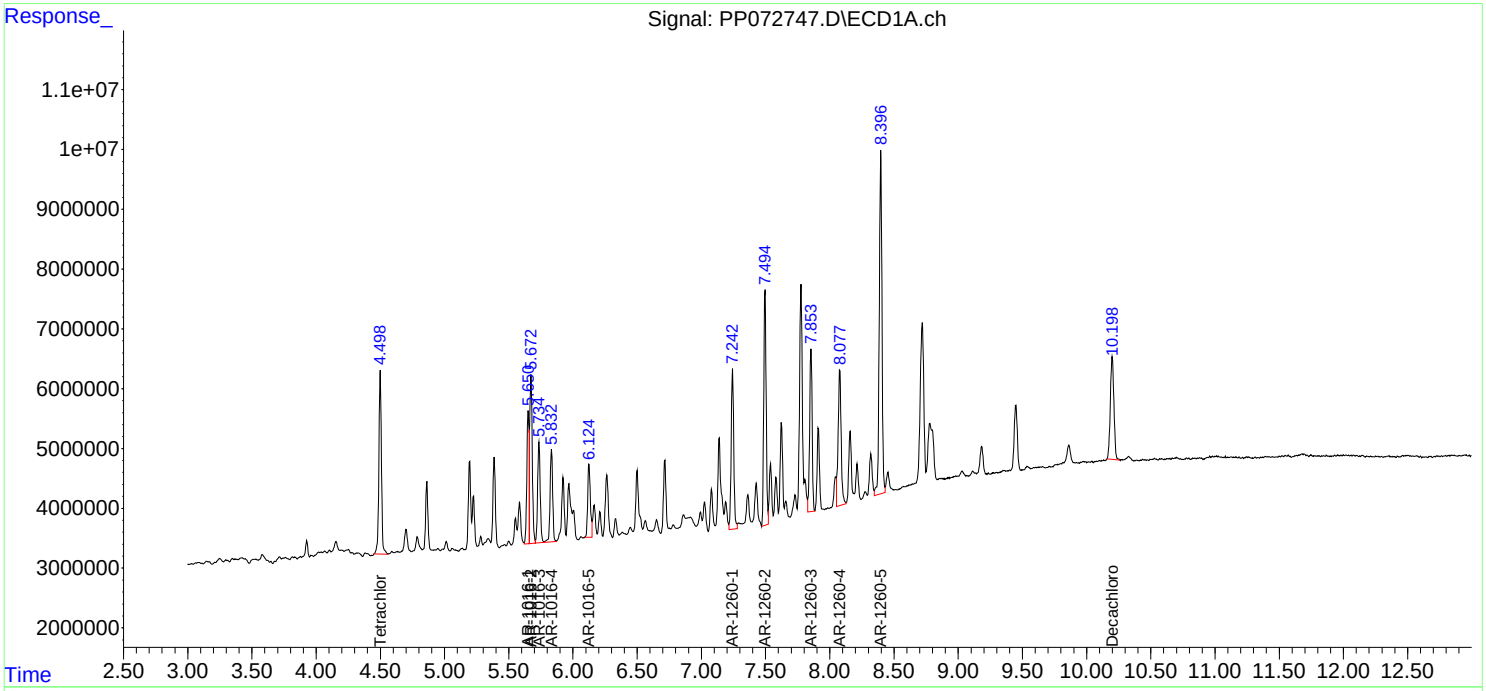
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:18
Operator : YP\AJ
Sample : Q2246-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

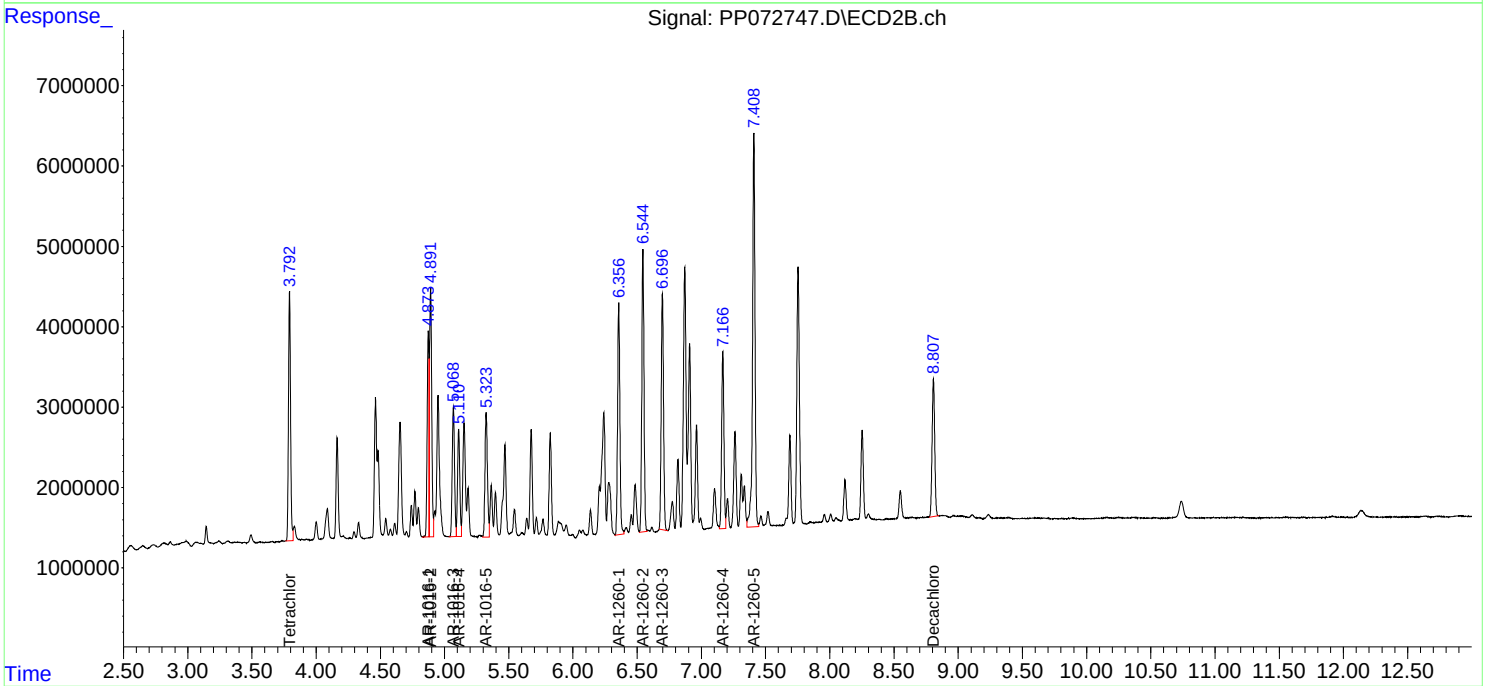
Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

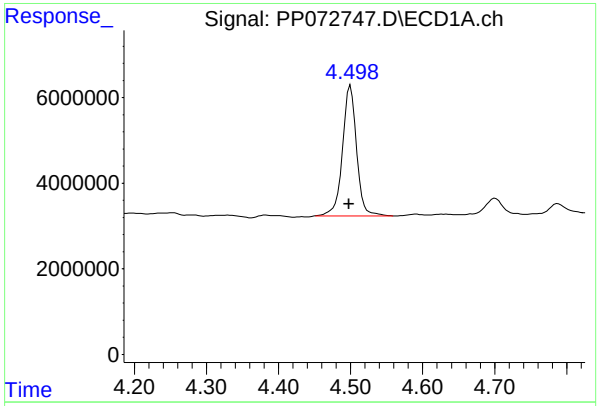
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







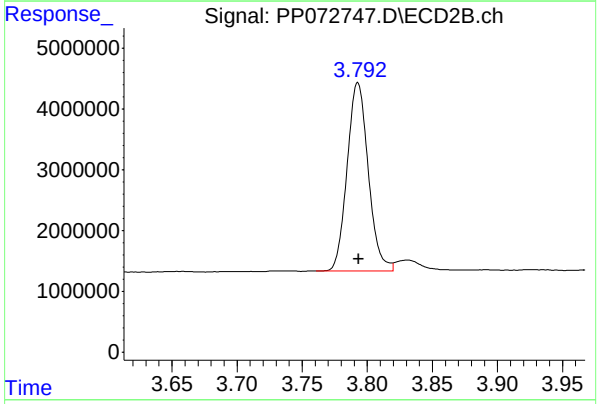
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 41377739
Conc: 20.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

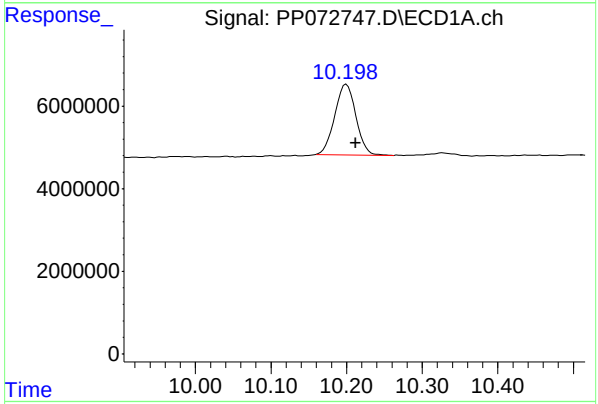
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



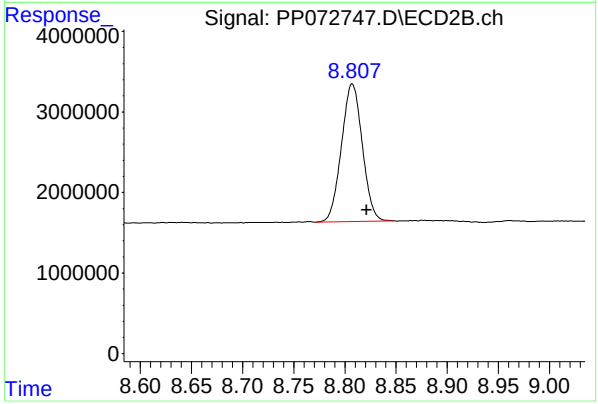
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 35005949
Conc: 21.90 ng/ml



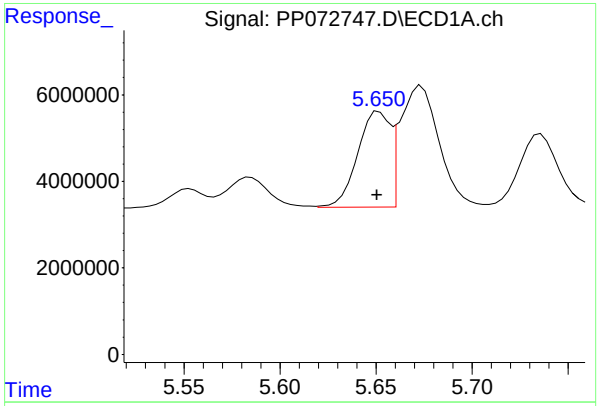
#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 33387980
Conc: 20.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.015 min
Response: 24330023
Conc: 22.98 ng/ml m



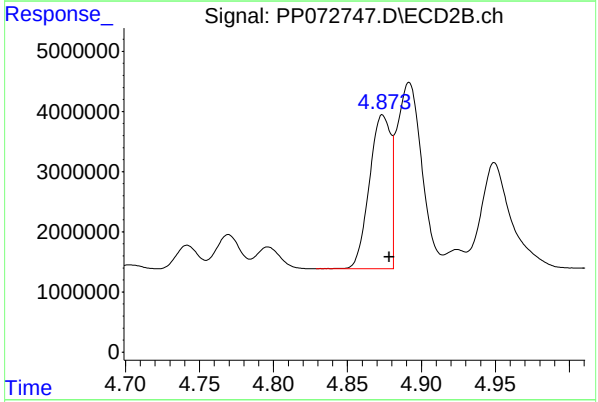
#3 AR-1016-1

R.T.: 5.652 min
Delta R.T.: 0.001 min
Response: 25860704
Conc: 344.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

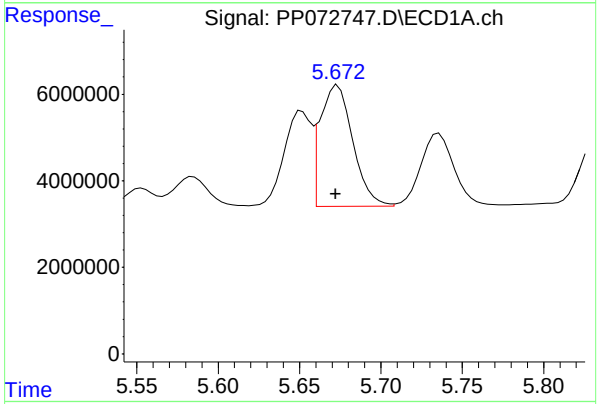
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



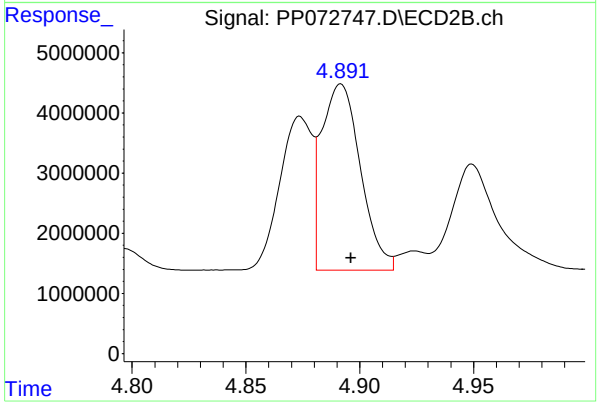
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 25519658
Conc: 415.43 ng/ml



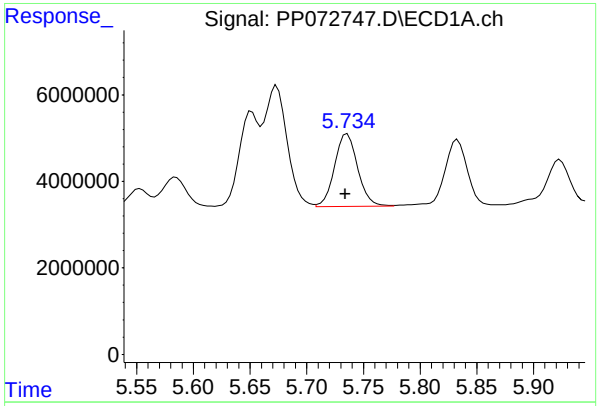
#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.001 min
Response: 39206429
Conc: 366.44 ng/ml



#4 AR-1016-2

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 36723173
Conc: 418.31 ng/ml



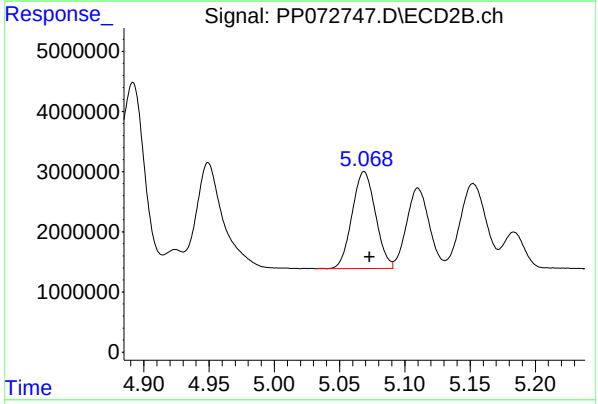
#5 AR-1016-3

R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 23702315
Conc: 361.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

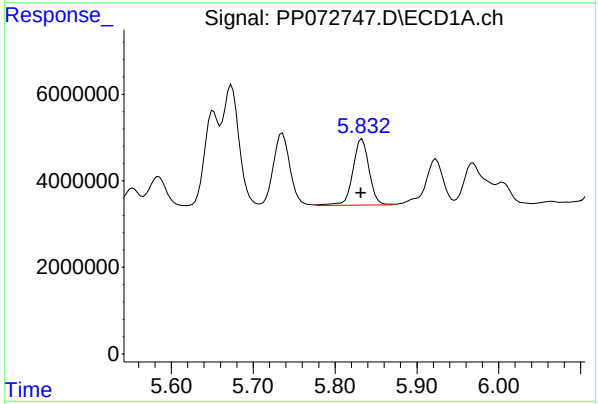
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



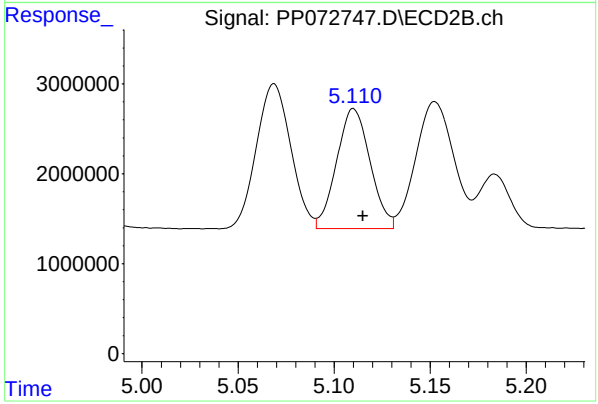
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 20136509
Conc: 422.55 ng/ml



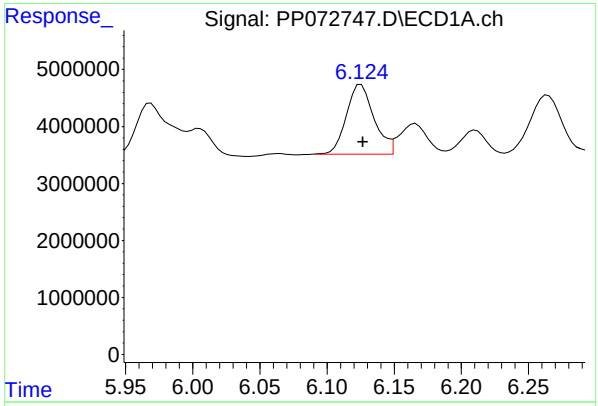
#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.002 min
Response: 21016386
Conc: 394.53 ng/ml



#6 AR-1016-4

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 16127646
Conc: 423.91 ng/ml



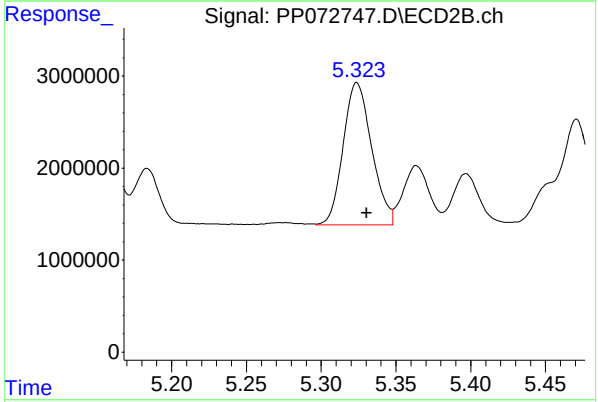
#7 AR-1016-5

R.T.: 6.125 min
Delta R.T.: -0.002 min
Response: 17627500
Conc: 360.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

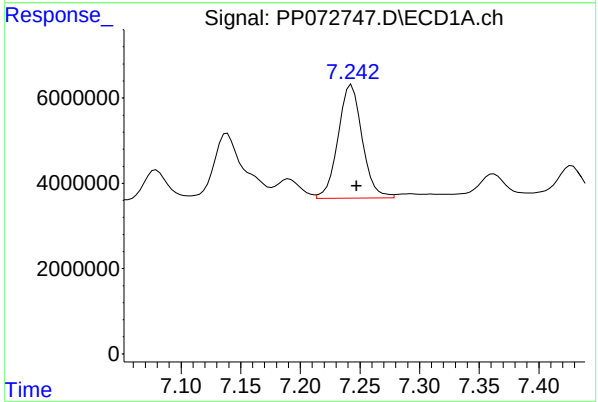
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



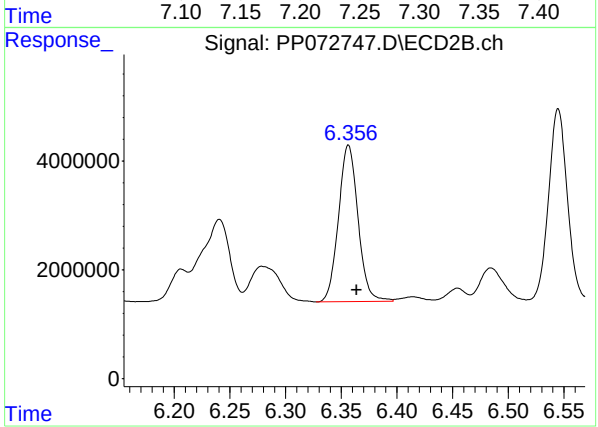
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.007 min
Response: 20520325
Conc: 411.85 ng/ml



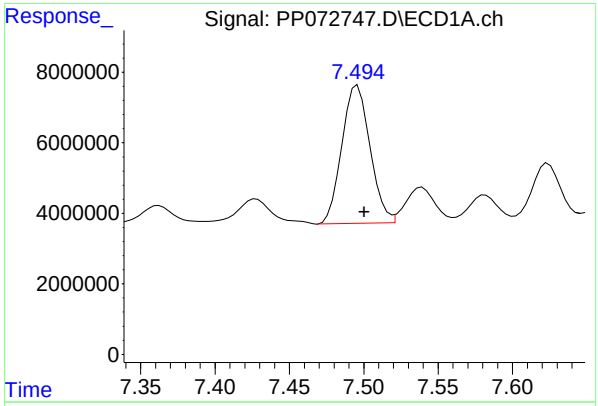
#31 AR-1260-1

R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 37412778
Conc: 399.73 ng/ml



#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.007 min
Response: 35213210
Conc: 441.52 ng/ml



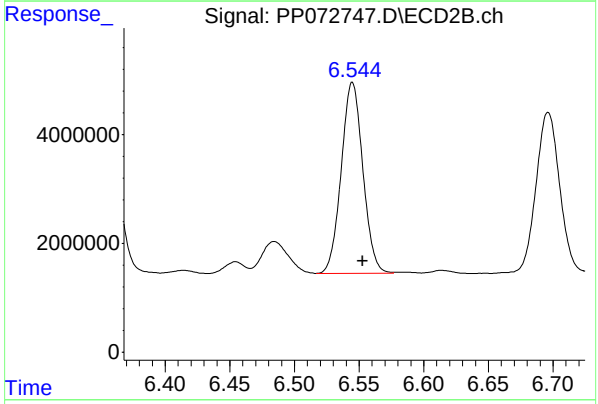
#32 AR-1260-2

R.T.: 7.496 min
Delta R.T.: -0.005 min
Response: 51614072
Conc: 359.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

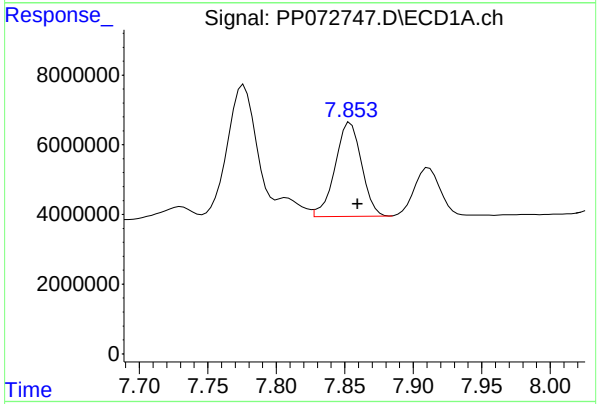
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



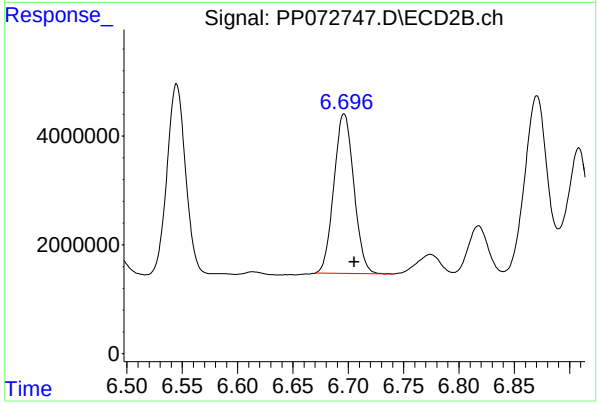
#32 AR-1260-2

R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 40924269
Conc: 403.50 ng/ml



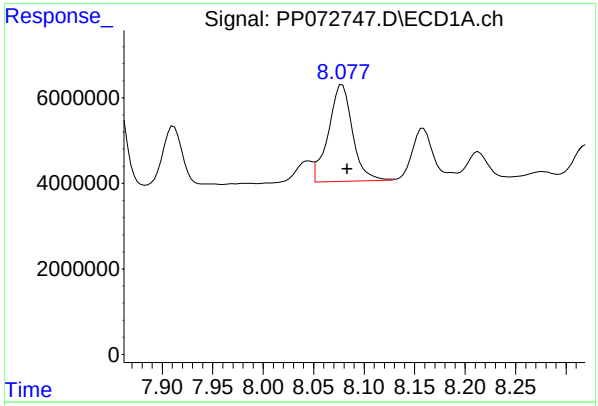
#33 AR-1260-3

R.T.: 7.854 min
Delta R.T.: -0.005 min
Response: 36313161
Conc: 318.90 ng/ml



#33 AR-1260-3

R.T.: 6.696 min
Delta R.T.: -0.009 min
Response: 36809495
Conc: 423.57 ng/ml



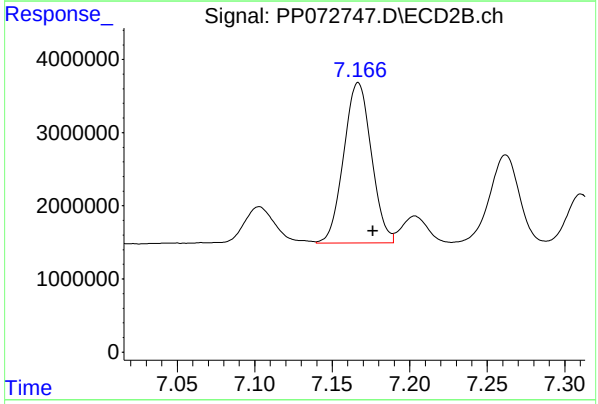
#34 AR-1260-4

R.T.: 8.078 min
Delta R.T.: -0.005 min
Response: 37730871
Conc: 351.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

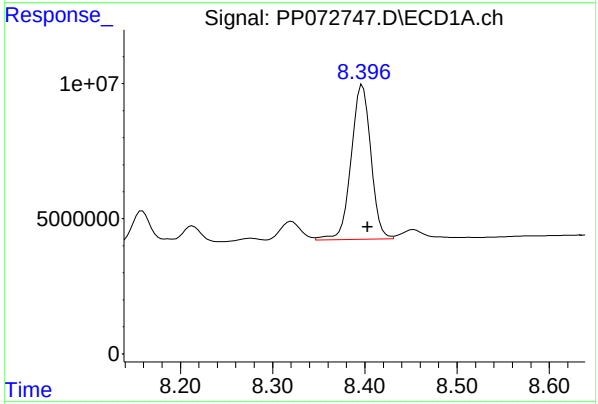
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



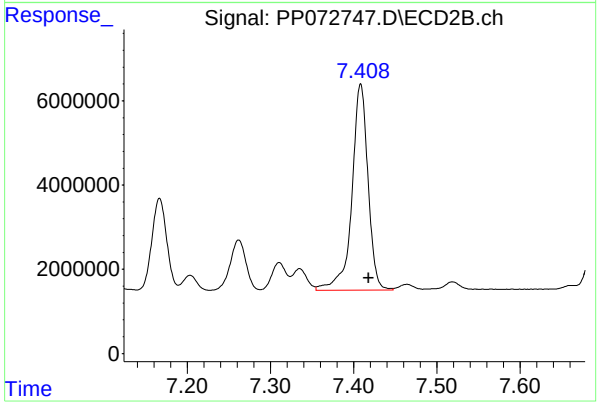
#34 AR-1260-4

R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 27293710
Conc: 378.60 ng/ml



#35 AR-1260-5

R.T.: 8.397 min
Delta R.T.: -0.005 min
Response: 84777358
Conc: 358.22 ng/ml



#35 AR-1260-5

R.T.: 7.408 min
Delta R.T.: -0.009 min
Response: 65735007
Conc: 378.61 ng/ml

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

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP072168.D	AR-1016-1	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-2	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-3	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-4	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-3	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-4	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-1	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-3	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-4	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5 #2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1248ICC050	PP072184.D	AR-1248-1	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PP072184.D	AR-1248-4 #2	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-1	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4 #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	AR-1268-1	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072732.D	Decachlorobiphenyl	yogesh	6/10/2025 7:42:41 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1660CCC500	PP072732.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:42:41 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1248CCC500	PP072734.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:03 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1248CCC500	PP072734.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:03 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1254CCC500	PP072735.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:05 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1254CCC500	PP072735.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:05 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072736.D	AR-1268-4	yogesh	6/10/2025 7:40:07 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072736.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:07 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072736.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:07 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
I.BLK	PP072737.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:09 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
I.BLK	PP072737.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:09 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
PB168349BL	PP072743.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:24 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
PB168349BL	PP072743.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:24 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168349BS	PP072744.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:29 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2246-01MS	PP072746.D	AR-1260-4	yogesh	6/10/2025 7:40:33 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2246-01MS	PP072746.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:33 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2246-01MS	PP072746.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:33 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2246-01MSD	PP072747.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:35 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1660CCC500	PP072748.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:36 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1660CCC500	PP072748.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:36 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1242CCC500	PP072749.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:39 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1242CCC500	PP072749.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:39 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1248CCC500	PP072750.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:41 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1248CCC500	PP072750.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:41 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1254CCC500	PP072751.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:44 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072752.D	AR-1268-4	yogesh	6/10/2025 7:40:46 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268CCC500	PP072752.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:46 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072752.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:46 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
I.BLK	PP072753.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:48 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2259-01	PP072755.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:53 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2259-01	PP072755.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:53 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2259-03	PP072756.D	Decachlorobiphenyl	yogesh	6/10/2025 7:40:54 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
Q2259-03	PP072756.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:40:54 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1660CCC500	PP072764.D	Decachlorobiphenyl	yogesh	6/10/2025 7:42:04 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1660CCC500	PP072764.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:42:04 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1242CCC500	PP072765.D	Decachlorobiphenyl	yogesh	6/10/2025 7:42:07 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1242CCC500	PP072765.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:42:07 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1248CCC500	PP072766.D	Decachlorobiphenyl	yogesh	6/10/2025 7:42:10 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1248CCC500	PP072766.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:42:10 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072767.D	Decachlorobiphenyl	yogesh	6/10/2025 7:42:11 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1254CCC500	PP072767.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:42:11 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072768.D	AR-1268-4	yogesh	6/10/2025 7:42:13 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072768.D	Decachlorobiphenyl	yogesh	6/10/2025 7:42:13 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
AR1268CCC500	PP072768.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:42:13 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
I.BLK	PP072769.D	Decachlorobiphenyl	yogesh	6/10/2025 7:42:15 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software
I.BLK	PP072769.D	Decachlorobiphenyl #2	yogesh	6/10/2025 7:42:15 AM	mohammad	6/11/2025 2:15:28	Peak Integrated by Software

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072162.D	19 May 2025 09:09	YP\AJ	Ok
2	I.BLK	PP072163.D	19 May 2025 09:26	YP\AJ	Ok
3	AR1660ICC1000	PP072164.D	19 May 2025 09:42	YP\AJ	Ok
4	AR1660ICC750	PP072165.D	19 May 2025 09:59	YP\AJ	Ok
5	AR1660ICC500	PP072166.D	19 May 2025 10:15	YP\AJ	Ok
6	AR1660ICC250	PP072167.D	19 May 2025 10:32	YP\AJ	Ok
7	AR1660ICC050	PP072168.D	19 May 2025 10:48	YP\AJ	Ok,M
8	AR1221ICC500	PP072169.D	19 May 2025 11:05	YP\AJ	Ok
9	AR1232ICC1000	PP072170.D	19 May 2025 11:21	YP\AJ	Ok
10	AR1232ICC750	PP072171.D	19 May 2025 11:38	YP\AJ	Ok
11	AR1232ICC500	PP072172.D	19 May 2025 11:54	YP\AJ	Ok
12	AR1232ICC250	PP072173.D	19 May 2025 12:10	YP\AJ	Ok
13	AR1232ICC050	PP072174.D	19 May 2025 12:27	YP\AJ	Ok,M
14	AR1242ICC1000	PP072175.D	19 May 2025 12:43	YP\AJ	Ok
15	AR1242ICC750	PP072176.D	19 May 2025 12:59	YP\AJ	Ok
16	AR1242ICC500	PP072177.D	19 May 2025 13:15	YP\AJ	Ok
17	AR1242ICC250	PP072178.D	19 May 2025 13:32	YP\AJ	Ok
18	AR1242ICC050	PP072179.D	19 May 2025 13:48	YP\AJ	Ok,M
19	AR1248ICC1000	PP072180.D	19 May 2025 14:04	YP\AJ	Ok
20	AR1248ICC750	PP072181.D	19 May 2025 14:20	YP\AJ	Ok
21	AR1248ICC500	PP072182.D	19 May 2025 14:37	YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1248ICC250	PP072183.D	19 May 2025 14:53	YP\AJ	Ok
23	AR1248ICC050	PP072184.D	19 May 2025 15:25	YP\AJ	Ok,M
24	AR1254ICC1000	PP072185.D	19 May 2025 15:42	YP\AJ	Ok
25	AR1254ICC750	PP072186.D	19 May 2025 15:58	YP\AJ	Ok
26	AR1254ICC500	PP072187.D	19 May 2025 16:14	YP\AJ	Ok
27	AR1254ICC250	PP072188.D	19 May 2025 16:31	YP\AJ	Ok
28	AR1254ICC050	PP072189.D	19 May 2025 16:47	YP\AJ	Ok,M
29	AR1262ICC500	PP072190.D	19 May 2025 17:03	YP\AJ	Ok
30	AR1268ICC1000	PP072191.D	19 May 2025 17:20	YP\AJ	Ok
31	AR1268ICC750	PP072192.D	19 May 2025 17:36	YP\AJ	Ok
32	AR1268ICC500	PP072193.D	19 May 2025 17:53	YP\AJ	Ok
33	AR1268ICC250	PP072194.D	19 May 2025 18:09	YP\AJ	Ok
34	AR1268ICC050	PP072195.D	19 May 2025 18:25	YP\AJ	Ok,M
35	PP051925ICV500	PP072196.D	19 May 2025 18:42	YP\AJ	Ok
36	AR1232ICV500	PP072197.D	19 May 2025 19:14	YP\AJ	Ok
37	AR1242ICV500	PP072198.D	19 May 2025 19:47	YP\AJ	Ok
38	AR1248ICV500	PP072199.D	19 May 2025 20:19	YP\AJ	Ok
39	AR1254ICV500	PP072200.D	19 May 2025 20:52	YP\AJ	Ok
40	AR1268ICV500	PP072201.D	19 May 2025 21:25	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060925

Review By	yogesh	Review On	6/9/2025 11:28:27 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:29 AM		
SubDirectory	PP060925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072731.D	09 Jun 2025 09:05	YP\AJ	Ok
2	AR1660CCC500	PP072732.D	09 Jun 2025 09:22	YP\AJ	Ok,M
3	AR1242CCC500	PP072733.D	09 Jun 2025 09:53	YP\AJ	Ok
4	AR1248CCC500	PP072734.D	09 Jun 2025 10:09	YP\AJ	Ok,M
5	AR1254CCC500	PP072735.D	09 Jun 2025 10:26	YP\AJ	Ok,M
6	AR1268CCC500	PP072736.D	09 Jun 2025 10:42	YP\AJ	Ok,M
7	I.BLK	PP072737.D	09 Jun 2025 10:59	YP\AJ	Ok,M
8	PB168325BS	PP072738.D	09 Jun 2025 11:17	YP\AJ	Ok,M
9	PB168325BSD	PP072739.D	09 Jun 2025 11:34	YP\AJ	Ok,M
10	Q2216-04	PP072740.D	09 Jun 2025 11:50	YP\AJ	Ok,M
11	Q2240-01	PP072741.D	09 Jun 2025 12:06	YP\AJ	Ok,M
12	Q2240-05	PP072742.D	09 Jun 2025 12:23	YP\AJ	Ok,M
13	PB168349BL	PP072743.D	09 Jun 2025 13:12	YP\AJ	Ok,M
14	PB168349BS	PP072744.D	09 Jun 2025 13:29	YP\AJ	Ok,M
15	Q2246-01	PP072745.D	09 Jun 2025 13:45	YP\AJ	Ok,M
16	Q2246-01MS	PP072746.D	09 Jun 2025 14:01	YP\AJ	Ok,M
17	Q2246-01MSD	PP072747.D	09 Jun 2025 14:18	YP\AJ	Ok,M
18	AR1660CCC500	PP072748.D	09 Jun 2025 15:18	YP\AJ	Ok,M
19	AR1242CCC500	PP072749.D	09 Jun 2025 15:34	YP\AJ	Ok,M
20	AR1248CCC500	PP072750.D	09 Jun 2025 15:50	YP\AJ	Ok,M
21	AR1254CCC500	PP072751.D	09 Jun 2025 16:07	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060925

Review By	yogesh	Review On	6/9/2025 11:28:27 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:29 AM		
SubDirectory	PP060925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1268CCC500	PP072752.D	09 Jun 2025 16:23	YP\AJ	Ok,M
23	I.BLK	PP072753.D	09 Jun 2025 16:39	YP\AJ	Ok,M
24	Q2248-01	PP072754.D	09 Jun 2025 16:56	YP\AJ	Ok,M
25	Q2259-01	PP072755.D	09 Jun 2025 17:12	YP\AJ	Ok,M
26	Q2259-03	PP072756.D	09 Jun 2025 17:28	YP\AJ	Ok,M
27	Q2260-01	PP072757.D	09 Jun 2025 17:45	YP\AJ	Ok,M
28	Q2262-01	PP072758.D	09 Jun 2025 18:01	YP\AJ	Ok,M
29	Q2262-03	PP072759.D	09 Jun 2025 18:17	YP\AJ	Ok,M
30	Q2265-01	PP072760.D	09 Jun 2025 18:34	YP\AJ	Ok,M
31	Q2266-01	PP072761.D	09 Jun 2025 18:50	YP\AJ	Ok,M
32	Q2266-05	PP072762.D	09 Jun 2025 19:06	YP\AJ	Ok,M
33	Q2221-01	PP072763.D	09 Jun 2025 19:22	YP\AJ	Ok,M
34	AR1660CCC500	PP072764.D	09 Jun 2025 20:22	YP\AJ	Ok,M
35	AR1242CCC500	PP072765.D	09 Jun 2025 20:55	YP\AJ	Ok,M
36	AR1248CCC500	PP072766.D	09 Jun 2025 21:11	YP\AJ	Ok,M
37	AR1254CCC500	PP072767.D	09 Jun 2025 21:27	YP\AJ	Ok,M
38	AR1268CCC500	PP072768.D	09 Jun 2025 21:44	YP\AJ	Ok,M
39	I.BLK	PP072769.D	09 Jun 2025 22:00	YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072162.D	19 May 2025 09:09		YP\AJ	Ok
2	I.BLK	I.BLK	PP072163.D	19 May 2025 09:26		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072164.D	19 May 2025 09:42		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072165.D	19 May 2025 09:59		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072166.D	19 May 2025 10:15		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072167.D	19 May 2025 10:32		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP072168.D	19 May 2025 10:48		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072169.D	19 May 2025 11:05		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP072170.D	19 May 2025 11:21		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP072171.D	19 May 2025 11:38		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP072172.D	19 May 2025 11:54		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP072173.D	19 May 2025 12:10		YP\AJ	Ok
13	AR1232ICC050	AR1232ICC050	PP072174.D	19 May 2025 12:27		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP072175.D	19 May 2025 12:43		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP072176.D	19 May 2025 12:59		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP072177.D	19 May 2025 13:15		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP072178.D	19 May 2025 13:32		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP072179.D	19 May 2025 13:48		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC1000	AR1248ICC1000	PP072180.D	19 May 2025 14:04		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP072181.D	19 May 2025 14:20		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP072182.D	19 May 2025 14:37		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP072183.D	19 May 2025 14:53		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP072184.D	19 May 2025 15:25		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP072185.D	19 May 2025 15:42		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP072186.D	19 May 2025 15:58		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP072187.D	19 May 2025 16:14		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP072188.D	19 May 2025 16:31		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP072189.D	19 May 2025 16:47		YP\AJ	Ok,M
29	AR1262ICC500	AR1262ICC500	PP072190.D	19 May 2025 17:03		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP072191.D	19 May 2025 17:20		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP072192.D	19 May 2025 17:36		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP072193.D	19 May 2025 17:53		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP072194.D	19 May 2025 18:09		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP072195.D	19 May 2025 18:25		YP\AJ	Ok,M
35	PP051925ICV500	ICVPP051925	PP072196.D	19 May 2025 18:42		YP\AJ	Ok
36	AR1232ICV500	ICVPP051925AR1232	PP072197.D	19 May 2025 19:14		YP\AJ	Ok
37	AR1242ICV500	ICVPP051925AR1242	PP072198.D	19 May 2025 19:47		YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1248ICV500	ICVPP051925AR1248	PP072199.D	19 May 2025 20:19		YP\AJ	Ok
39	AR1254ICV500	ICVPP051925AR1254	PP072200.D	19 May 2025 20:52		YP\AJ	Ok
40	AR1268ICV500	ICVPP051925AR1268	PP072201.D	19 May 2025 21:25		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060925

Review By	yogesh	Review On	6/9/2025 11:28:27 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:29 AM		
SubDirectory	PP060925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072731.D	09 Jun 2025 09:05		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072732.D	09 Jun 2025 09:22		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072733.D	09 Jun 2025 09:53		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP072734.D	09 Jun 2025 10:09		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072735.D	09 Jun 2025 10:26		YP\AJ	Ok,M
6	AR1268CCC500	AR1268CCC500	PP072736.D	09 Jun 2025 10:42		YP\AJ	Ok,M
7	I.BLK	I.BLK	PP072737.D	09 Jun 2025 10:59		YP\AJ	Ok,M
8	PB168325BS	PB168325BS	PP072738.D	09 Jun 2025 11:17		YP\AJ	Ok,M
9	PB168325BSD	PB168325BSD	PP072739.D	09 Jun 2025 11:34		YP\AJ	Ok,M
10	Q2216-04	3864	PP072740.D	09 Jun 2025 11:50		YP\AJ	Ok,M
11	Q2240-01	TP-3	PP072741.D	09 Jun 2025 12:06	AR1268 Hit	YP\AJ	Ok,M
12	Q2240-05	TP-2	PP072742.D	09 Jun 2025 12:23	AR1268 + 1260 Hit	YP\AJ	Ok,M
13	PB168349BL	PB168349BL	PP072743.D	09 Jun 2025 13:12		YP\AJ	Ok,M
14	PB168349BS	PB168349BS	PP072744.D	09 Jun 2025 13:29		YP\AJ	Ok,M
15	Q2246-01	BU-03-060525	PP072745.D	09 Jun 2025 13:45		YP\AJ	Ok,M
16	Q2246-01MS	BU-03-060525MS	PP072746.D	09 Jun 2025 14:01		YP\AJ	Ok,M
17	Q2246-01MSD	BU-03-060525MSD	PP072747.D	09 Jun 2025 14:18		YP\AJ	Ok,M
18	AR1660CCC500	AR1660CCC500	PP072748.D	09 Jun 2025 15:18		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060925

Review By	yogesh	Review On	6/9/2025 11:28:27 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:29 AM		
SubDirectory	PP060925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1242CCC500	AR1242CCC500	PP072749.D	09 Jun 2025 15:34		YP\AJ	Ok,M
20	AR1248CCC500	AR1248CCC500	PP072750.D	09 Jun 2025 15:50		YP\AJ	Ok,M
21	AR1254CCC500	AR1254CCC500	PP072751.D	09 Jun 2025 16:07		YP\AJ	Ok,M
22	AR1268CCC500	AR1268CCC500	PP072752.D	09 Jun 2025 16:23	DCB high in both column	YP\AJ	Ok,M
23	I.BLK	I.BLK	PP072753.D	09 Jun 2025 16:39		YP\AJ	Ok,M
24	Q2248-01	TR-05-060525	PP072754.D	09 Jun 2025 16:56		YP\AJ	Ok,M
25	Q2259-01	OU4-PCS-TC-36-06052	PP072755.D	09 Jun 2025 17:12		YP\AJ	Ok,M
26	Q2259-03	OU4-PCS-TC-37-06052	PP072756.D	09 Jun 2025 17:28		YP\AJ	Ok,M
27	Q2260-01	TP10-MHG-WC	PP072757.D	09 Jun 2025 17:45		YP\AJ	Ok,M
28	Q2262-01	ARS20-0032	PP072758.D	09 Jun 2025 18:01		YP\AJ	Ok,M
29	Q2262-03	ARS20-0001	PP072759.D	09 Jun 2025 18:17		YP\AJ	Ok,M
30	Q2265-01	TP11-MHL-WC	PP072760.D	09 Jun 2025 18:34		YP\AJ	Ok,M
31	Q2266-01	WC-3	PP072761.D	09 Jun 2025 18:50		YP\AJ	Ok,M
32	Q2266-05	WC-5	PP072762.D	09 Jun 2025 19:06		YP\AJ	Ok,M
33	Q2221-01	34798	PP072763.D	09 Jun 2025 19:22		YP\AJ	Ok,M
34	AR1660CCC500	AR1660CCC500	PP072764.D	09 Jun 2025 20:22		YP\AJ	Ok,M
35	AR1242CCC500	AR1242CCC500	PP072765.D	09 Jun 2025 20:55		YP\AJ	Ok,M
36	AR1248CCC500	AR1248CCC500	PP072766.D	09 Jun 2025 21:11		YP\AJ	Ok,M
37	AR1254CCC500	AR1254CCC500	PP072767.D	09 Jun 2025 21:27		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060925

Review By	yogesh	Review On	6/9/2025 11:28:27 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:29 AM		
SubDirectory	PP060925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1268CCC500	AR1268CCC500	PP072768.D	09 Jun 2025 21:44	DCB high in both column	YP\AJ	Ok,M
39	I.BLK	I.BLK	PP072769.D	09 Jun 2025 22:00		YP\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2246-01	BU-03-060525	1	1.15	10.12	11.27	11.17	99.0	
Q2246-02	BU-03-060525	2	1.19	10.04	11.23	11.1	98.7	
Q2247-01	GAS-PIPE-1	3	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2247-02	GAS-PIPE-2	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2248-01	TR-05-060525	5	1.18	10.36	11.54	10.88	93.6	
Q2248-02	TR-05-060525-E2	6	1.13	10.59	11.72	10.74	90.7	
Q2251-07	BP-VPB-182-GW-780-782	7	1.12	10.70	11.82	2.46	12.5	sludge sample
Q2258-05	SVOC-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2258-06	PEST-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2258-07	PEST-GPC-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q2258-08	PCB-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2258-09	PCB-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2258-10	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2258-11	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2258-12	PEST-GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2258-13	PCB-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2258-14	PCB-GCP2-BLANK-SPIKE	17	1.00	1.00	2.00	2.00	100.0	
Q2259-01	OU4-PCS-TC-36-060525	18	1.14	10.79	11.93	11.31	94.3	
Q2259-03	OU4-PCS-TC-37-060525	19	1.14	10.14	11.28	10.7	94.3	
Q2259-05	OU4-TS-29-060525	20	1.18	10.17	11.35	8.87	75.6	
Q2259-06	OU4-TS-30-060525	21	1.14	10.73	11.87	9.62	79.0	
Q2260-01	TP10-MHG-WC	22	1.13	10.84	11.97	10.95	90.6	
Q2260-02	TP10-MHG-VOC	23	1.16	10.66	11.82	10.84	90.8	
Q2260-03	TP10-MHG-EPH	24	1.13	10.75	11.88	10.68	88.8	
Q2262-01	ARS20-0032	25	1.14	11.40	12.54	12.22	97.2	
Q2262-03	ARS20-0001	26	1.18	9.85	11.03	10.38	93.4	
Q2265-01	TP-MHL-WC	27	1.15	10.83	11.98	10.43	85.7	
Q2265-02	TP-MHL-VOC	28	1.14	10.32	11.46	9.7	82.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2265-03	TP-MHL-EPH	29	1.18	10.48	11.66	9.77	82.0	
Q2266-01	WC-3	30	1.16	10.74	11.9	10.68	88.6	
Q2266-02	WC-3-EPH	31	1.15	11.18	12.33	10.15	80.5	
Q2266-03	WC-3-VOC	32	1.13	10.74	11.87	10.02	82.8	
Q2266-05	WC-4	33	1.19	10.47	11.66	10.36	87.6	
Q2266-06	WC-4-EPH	34	1.15	10.46	11.61	10.31	87.6	
Q2266-07	WC-4-VOC	35	1.19	10.71	11.9	10.74	89.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VP 136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2246-02	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2247-01	GAS-PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2247-02	GAS-PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2248-01	TR-05-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2248-02	TR-05-060525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2251-07	BP-VPB-182-GW-780-782	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	06/04/2025	Chemtech -SO
Q2258-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2259-01	OU4-PCS-TC-36-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-03	OU4-PCS-TC-37-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-05	OU4-TS-29-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-06	OU4-TS-30-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO

Date/Time 06/06/25 15:20

Raw Sample Received by: DC WJC1

Raw Sample Relinquished by: SH

Date/Time 06/06/25 17:30

Raw Sample Received by: SH

Raw Sample Relinquished by: WJC1

WORKLIST(Hardcopy Internal Chain)

VB136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2260-01	TP10-MHG-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-02	TP10-MHG-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-03	TP10-MHG-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2262-01	ARS20-0032	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2262-03	ARS20-0001	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2265-01	TP-MHL-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2265-02	TP-MHL-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-03	TP-MHL-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-01	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-02	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-03	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-05	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-06	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-07	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO

Date/Time 06/06/25 15:20
Raw Sample Received by: JB WC
Raw Sample Relinquished by: SH

Date/Time 06/06/25 17:30
Raw Sample Received by: SH
Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168349

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	06/09/2025
Matrix :	Solid			**Extraction Start Time :**	09:10
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/09/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
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:

40ML Vial Lot # 03-40BTS723. Q2221-01 Limited volume used as sample is Oil.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/09/25	RS (Ext. Lab)	YP-Pest IPC
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168349

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168349BL	ABLK349	PCB	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168349BS	ALCS349	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2221-01	34798	PCB	1.03	N/A	ritesh	Evelyn	10	B	Oil	
Q2246-01	BU-03-060525	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q2246-01MS	BU-03-060525MS	PCB	30.08	N/A	ritesh	Evelyn	10	E		4
Q2246-01MSD	BU-03-060525MSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
Q2248-01	TR-05-060525	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q2259-01	OU4-PCS-TC-36-060525	PCB	30.02	N/A	ritesh	Evelyn	10	E		U3-1
Q2259-03	OU4-PCS-TC-37-060525	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
Q2260-01	TP10-MHG-WC	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2262-01	ARS20-0032	PCB	30.03	N/A	ritesh	Evelyn	10	D	Concrete	4
Q2262-03	ARS20-0001	PCB	30.08	N/A	ritesh	Evelyn	10	D	Concrete	5
Q2265-01	TP-MHL-WC	PCB	30.04	N/A	ritesh	Evelyn	10	E		6
Q2266-01	WC-3	PCB	30.01	N/A	ritesh	Evelyn	10	D		U6-1
Q2266-05	WC-4	PCB	30.05	N/A	ritesh	Evelyn	10	D		2

* **Extracts relinguished on the same date as received.**

6/9/25

168349
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2248 **WorkList ID :** 190034 **Department :** Extraction **Date :** 06-09-2025 08:56:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2221-01	34798	Solid	PCB	Cool 4 deg C	PSEG03	N41	06/04/2025	8082A
Q2246-01	BU-03-060525	Solid	PCB	Cool 4 deg C	PSEG05	N51	06/05/2025	8082A
Q2248-01	TR-05-060525	Solid	PCB	Cool 4 deg C	PSEG05	D11	06/05/2025	8082A
Q2259-01	OU4-PCS-TC-36-060525	Solid	PCB	Cool 4 deg C	NOBI03	D21	06/05/2025	8082A
Q2259-03	OU4-PCS-TC-37-060525	Solid	PCB	Cool 4 deg C	NOBI03	D21	06/05/2025	8082A
Q2260-01	TP10-MHG-WC	Solid	PCB	Cool 4 deg C	PSEG03	D31	06/06/2025	8082A
Q2262-01	ARS20-0032	Solid	PCB	Cool 4 deg C	PSEG03	N31	06/06/2025	8082A
Q2262-03	ARS20-0001	Solid	PCB	Cool 4 deg C	PSEG03	N31	06/06/2025	8082A
Q2265-01	TP-MHL-WC	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/06/2025	8082A
Q2266-01	WC-3	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/06/2025	8082A
Q2266-05	WC-4	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/06/2025	8082A

Date/Time 06/09/25 9:05
Raw Sample Received by: PJ (Cust Tech)
Raw Sample Relinquished by: [signature]

Date/Time 06/09/25 9:30
Raw Sample Received by: [signature]
Raw Sample Relinquished by: PJ (Cust Tech)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2259

Test : PCB

Prepbatch ID : PB168349,

Sequence ID/Qc Batch ID: pp060925,

Standard ID :
EP2610,EP2613,EP2620,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24461,PP24597,

Chemical ID :
E2865,E3551,E3804,E3877,E3917,E3932,E3933,E3938,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12955,P12957,P13356,P13357,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP24331	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP24332	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP24333	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP24334	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24332 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP24335	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP24336	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
222	AR1221 500 PPB STD	PP24337	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP24338	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1081	AR1221 50 PPB STD	PP24339	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24337 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
214	AR1232 1000 PPB WORKING SOLUTION	PP24340	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP24341	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP24342	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP24343	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP24344	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24342 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP24345	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP24346	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
224	AR1242 500 PPB STD	PP24347	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP24348	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1069	AR1242 50 PPB STD	PP24349	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24347 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
216	AR1248 1000 PPB WORKING STD	PP24350	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP24351	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP24352	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP24353	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP24354	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24352 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP24355	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP24356	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
226	AR1254 500 PPB STD	PP24357	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP24358	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1073	AR1254 50 PPB STD	PP24359	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24357 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1529	AR1262 1000 PPB Working Solution	PP24360	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP24361	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP24362	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP24363	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP24364	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24362 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP24365	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP24366	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1533	AR1268 500 PPB STD	PP24367	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP24368	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3822	AR1268 50 PPB STD	PP24369	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24367 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
404	AR1660 100 PPM Stock Solution 2nd Source	PP24370	03/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
405	AR1660 1000/100 PPB ICV STD	PP24371	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP24372	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24371 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24373	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1886	AR1221 500 PPB ICV	PP24374	03/18/2025	08/12/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of E3877 + 0.50000ml of W3177 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24375	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP24376	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24375 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24377	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP24378	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24377 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24379	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP24380	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24379 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP24381	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1894	AR1254 500 PPB ICV	PP24382	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP24384	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP24385	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24384 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24386	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP24387	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24461	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 0.50000ml of P12955 + 99.50000ml of E3917 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24597	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	06/05/2025 / RUPESH	05/14/2025 / RUPESH	E3938

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)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	10/11/2025	04/11/2025 / Abdul	12/20/2023 / Yogesh	P12955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3938

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

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

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Refe

CERTIFIED WEIGHT REPORT

Part Number:	91867
Lot Number:	020823
Description:	WP 037 - Aroclor 1232 PCB Technical Mixture
Expiration Date:	020833
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	100
NIST Test ID#:	6UTB

Solvent(
Acet

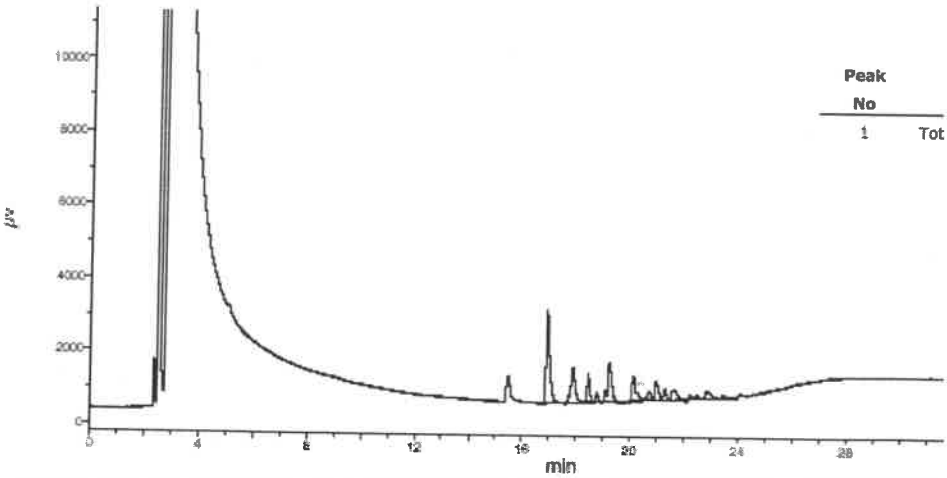
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Targ Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0203672

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

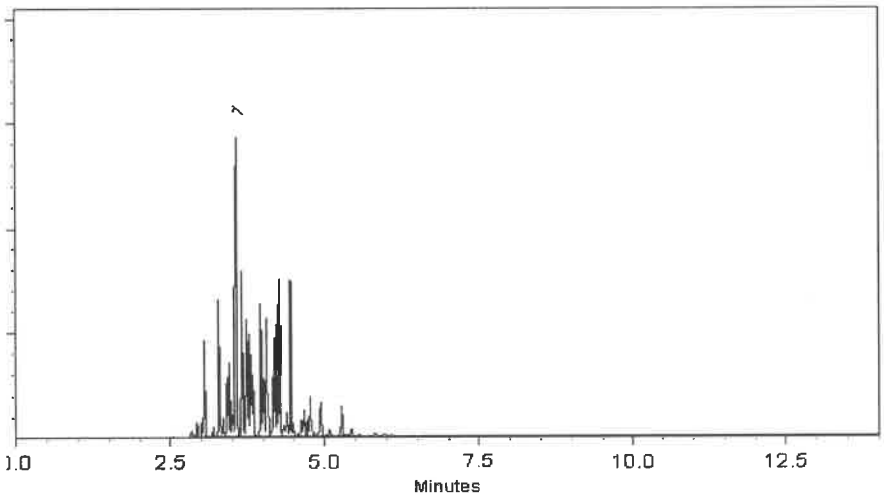
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12933
↓
P12937
AJ
12/07/23

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	----%	1,001.7 µg/mL	+/- 55.5850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

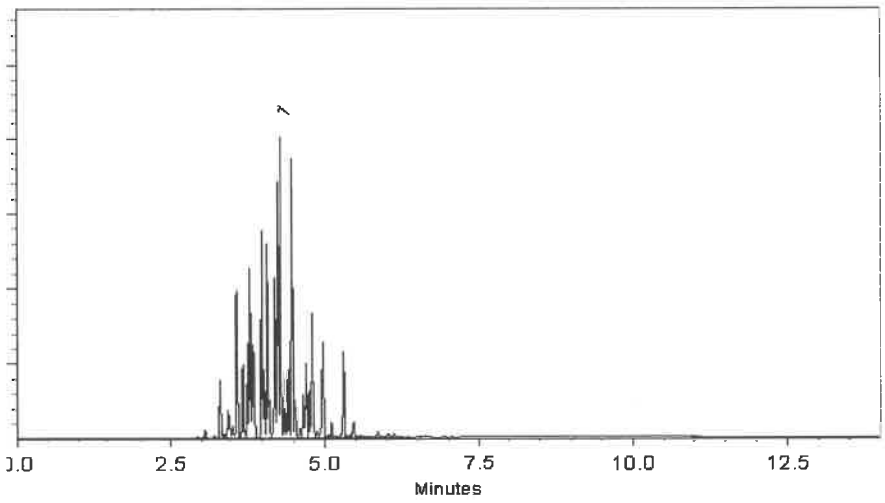
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

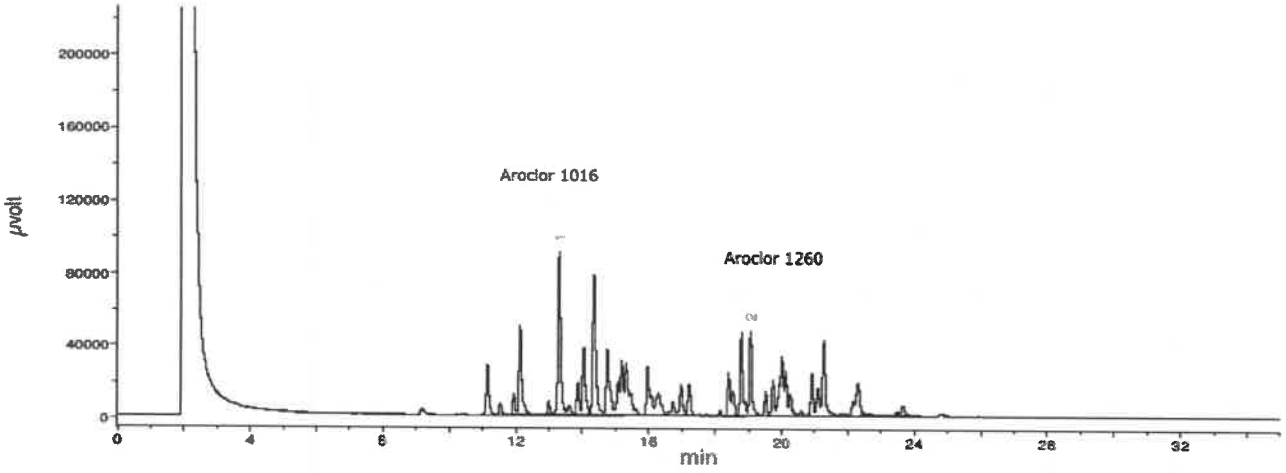
Formulated By: Benson Chan	022023 DATE
Reviewed By: Pedro L. Rentas	022023 DATE

P12946 → P12955 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

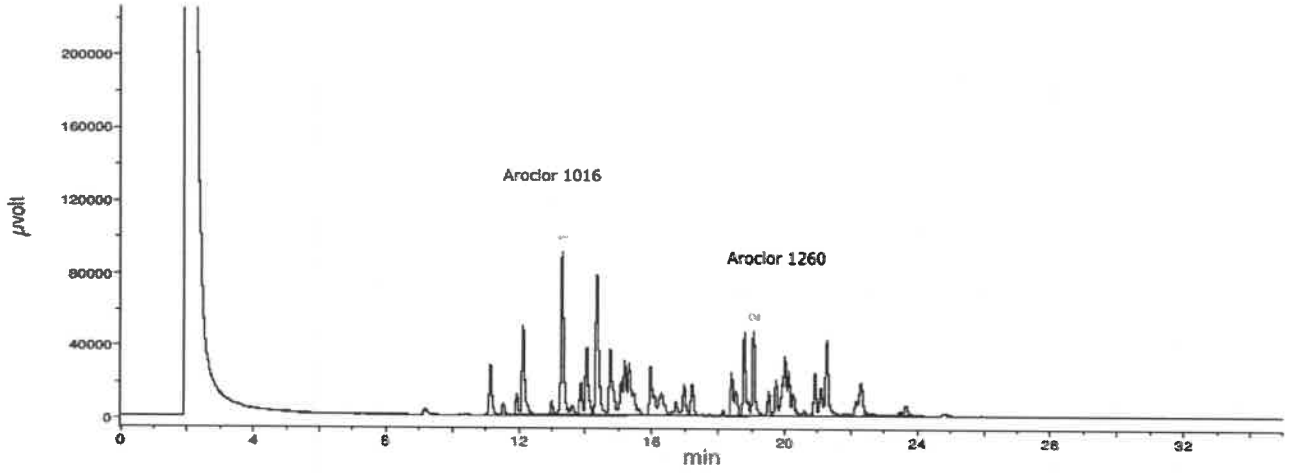
Formulated By: Benson Chan	022023 DATE
Reviewed By: Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

		121823
Formulated By:	Anthony Mahoney	DATE
		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 & P12957 Y-P 12/20/23

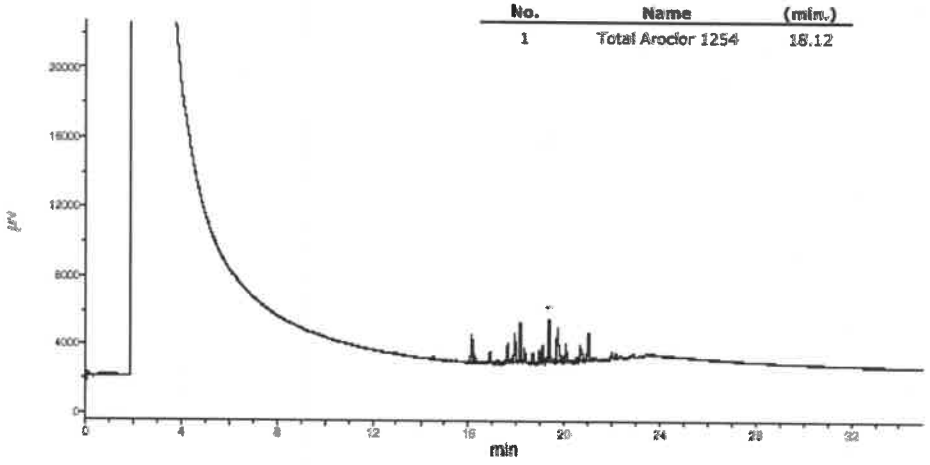
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10) → P13357

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

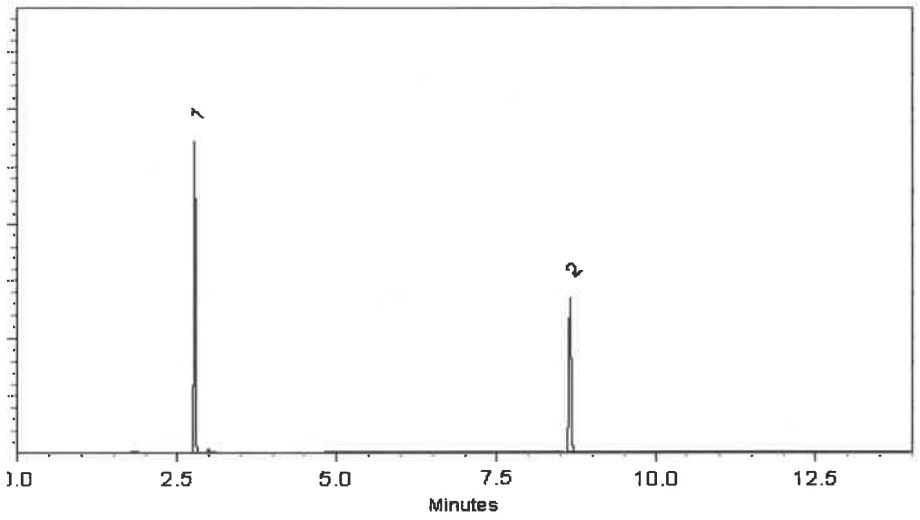
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
↓
P13357
1
04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10) → P13357

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

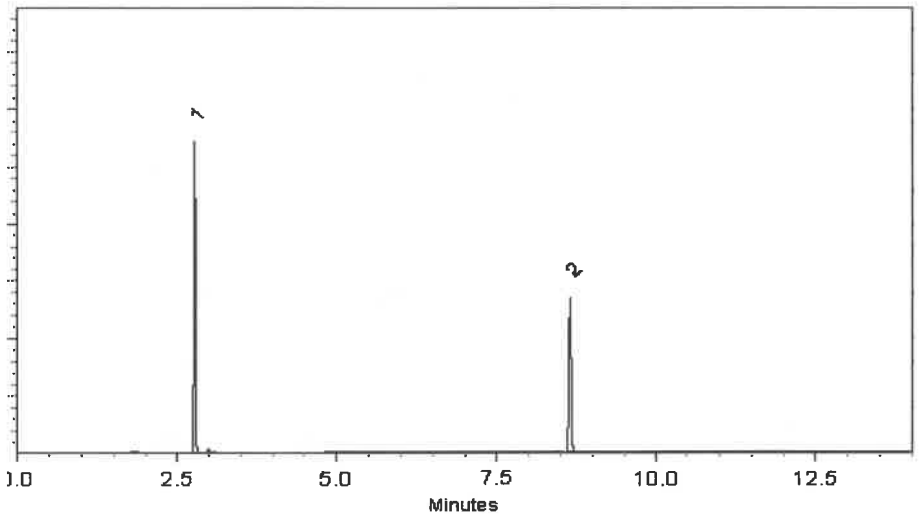
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
↓
P13357
1
04/25/2025

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Mar-2032

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3	±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
↓
P133f3

AJ
05106124

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

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

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0207475

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	10947000	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13386 (2)
P 13381 (1)
05/6/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

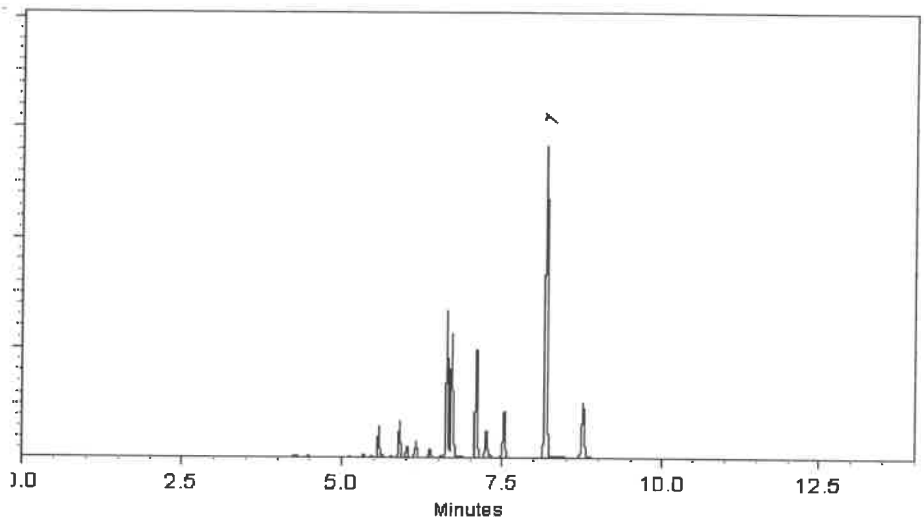
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 500:1

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 06-Feb-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I **Date Passed:** 09-Feb-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13380 (2)
↓
P13381
1

05/6/2024

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1242	100.4 ±	0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589 ↓ P13590

AJ 10/14/24

CSD-QA-015.1

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

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1248 Standard
Product Number: PP-342-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006726317
Lot Issue Date: 27-Jan-2023
Expiration Date: 28-Feb-2031

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
↓
P13592

AJ
10/14/2024

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

ANAB
ANSI National Accreditation Board
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.1

ISO 17025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13697 ↓ P13701 } Y.P. 10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

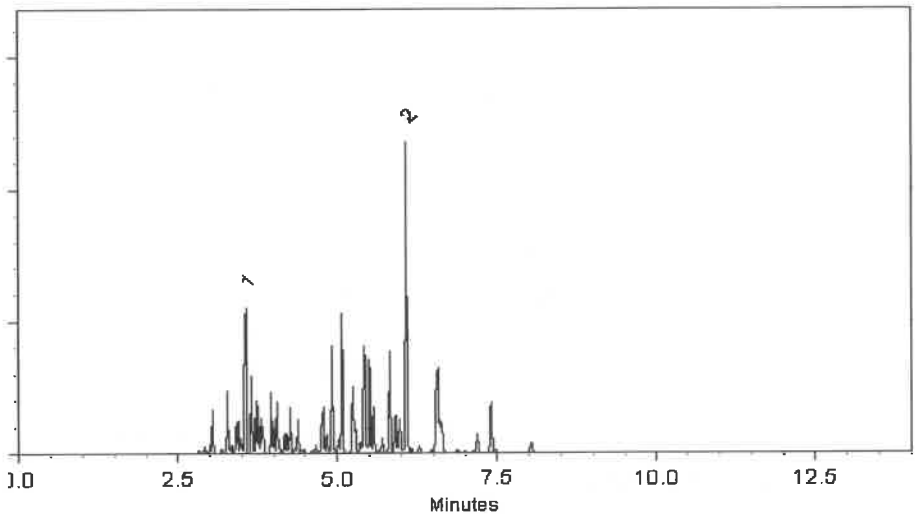
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0215270

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

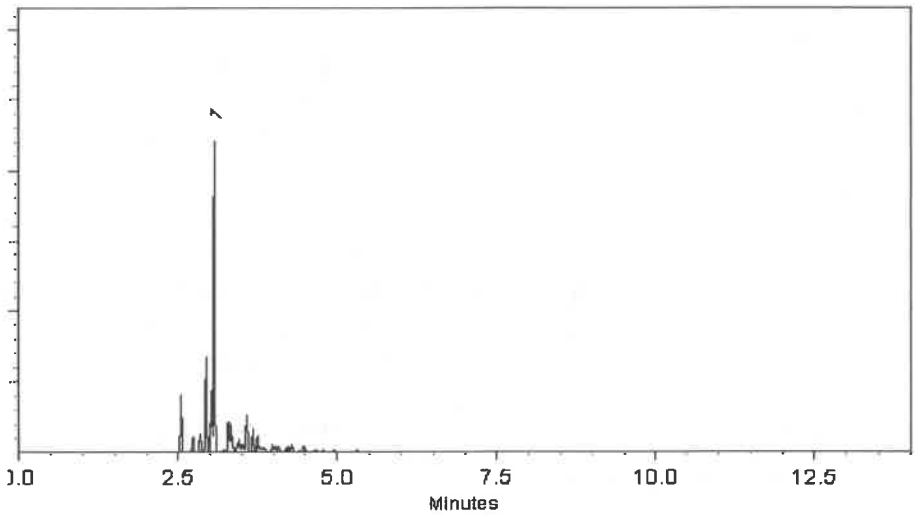
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830 ↓ P13832 AJ 12/09/24

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

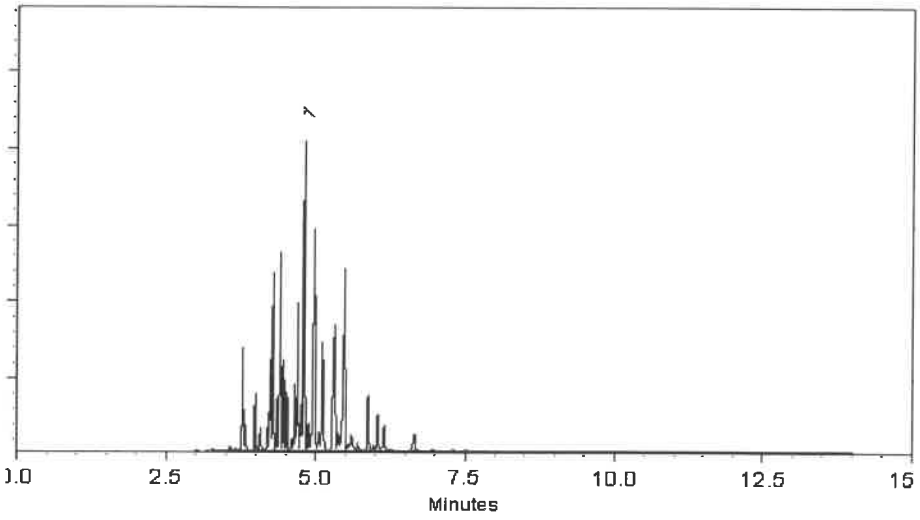
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13878
↓
P13880

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

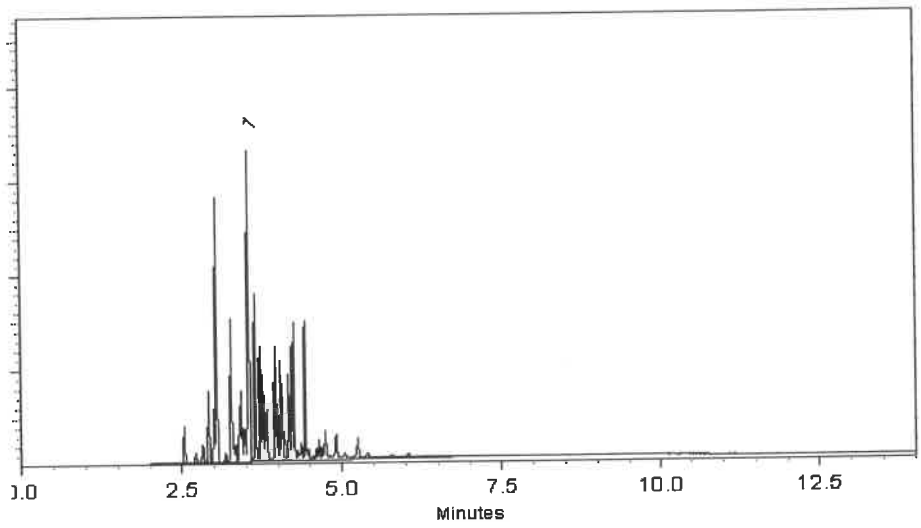
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0220950

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1262	37324-23-5	10849100	----%	1,002.0 µg/mL	+/- 55.6035

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13852
↓
P13853

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

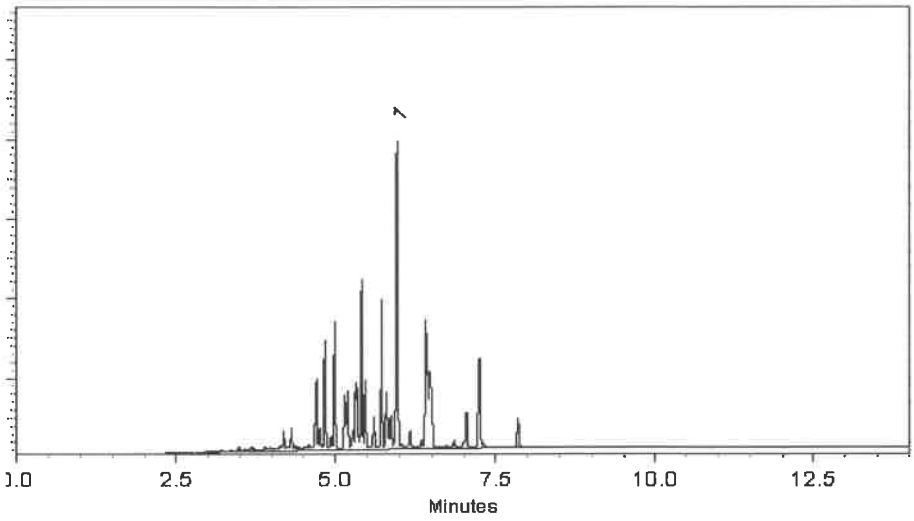
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 14-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Q2259

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	B. Fortier

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-PCS-TC-36-060525	6/5/25	11:25	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-37-060525	6/5/25	11:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-29-060525	6/5/25	13:30	G	SO			1											X		
	OU4-TS-30-060525	6/5/25	13:35	G	SO			1											X		

[2] Preservation Code

Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 6/5/25 13:45
Received by: (signature) Cooler	Date/Time: 6/5/25 13:45
Relinquished by: (signature) FedEx	Date/Time: 6/6/25 1004
Received by: (signature)	Date/Time: 6/6/25 1004
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:
3.4°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2259 NOBI03	**Order Date :**	6/6/2025 10:57:00 AM	**Project Mgr :**	
Client Name :	Nobis Group	**Project Name :**	Raymark Superfund Site	**Report Type :**	Level 4
Client Contact :	Adam Roy	**Receive DateTime :**	6/6/2025 10:04:00 AM	**EDD Type :**	EQUIS
Invoice Name :	Nobis Group	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Adam Roy			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2259-01	OU4-PCS-TC-36-060525	Solid	06/05/2025	11:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q2259-03	OU4-PCS-TC-37-060525	Solid	06/05/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 6/6/25 1136

Received By :
Date / Time : 06/06/25 11:36
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.498	3.793	9370134	8133165	4.660	5.088
2)	SA Decachlor...	10.212	8.821	8114063	5355591	4.981	5.059
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.878	6125011	3481238	82.507	56.670 #
4)	L1 AR-1016-2	5.673	4.896	7731836	4763878	72.545	54.265 #
5)	L1 AR-1016-3	5.735	5.073	5604139	2547956	86.916	53.467 #
6)	L1 AR-1016-4	5.833	5.115	3249573	2024258	60.881	53.206
7)	L1 AR-1016-5	6.127	5.330	2503132	2739010	51.179	54.973
31)	L7 AR-1260-1	7.247	6.364	5002782	4299958	53.452	53.915
32)	L7 AR-1260-2	7.500	6.553	7551641	6283346	52.628	61.952
33)	L7 AR-1260-3	7.859	6.705	5443256	4592239	47.802	52.844
34)	L7 AR-1260-4	8.083	7.176	5088570	3903032	47.423	54.140
35)	L7 AR-1260-5	8.403	7.418	11497836	8735677	48.583	50.314

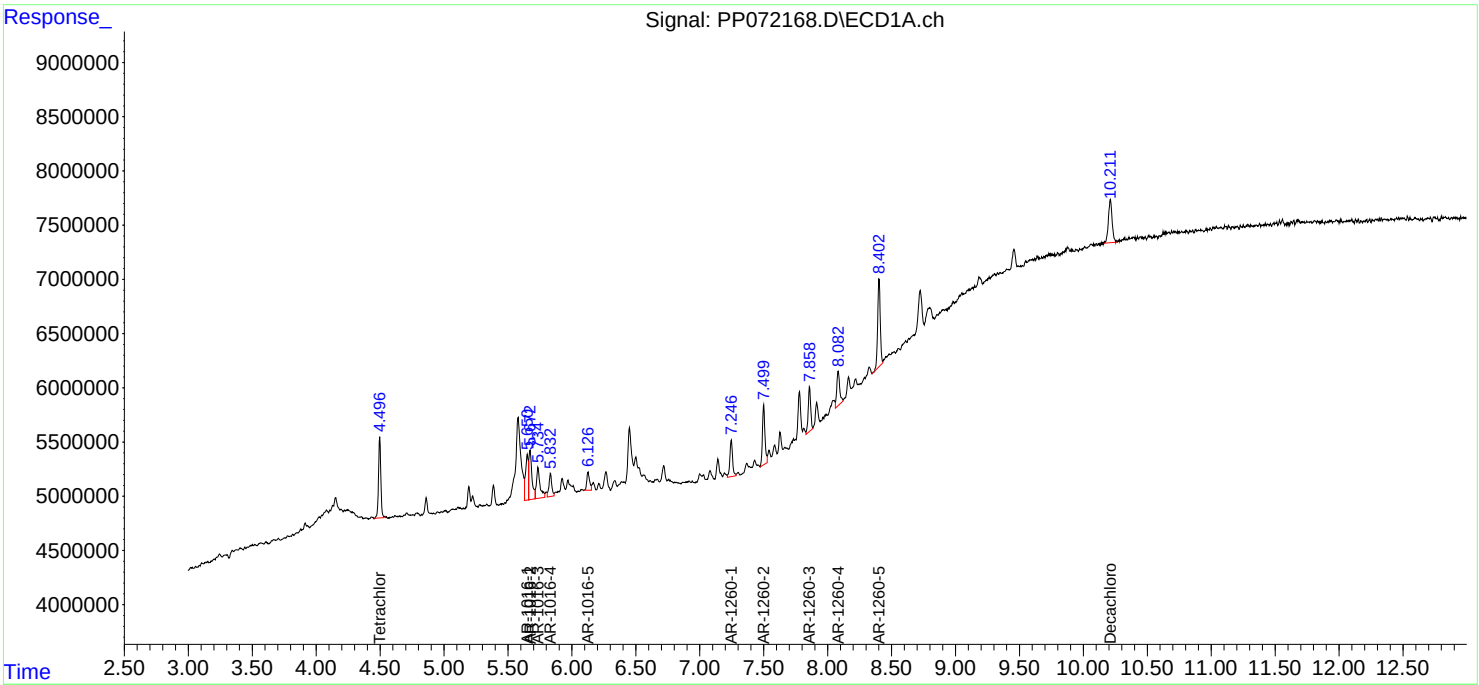
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

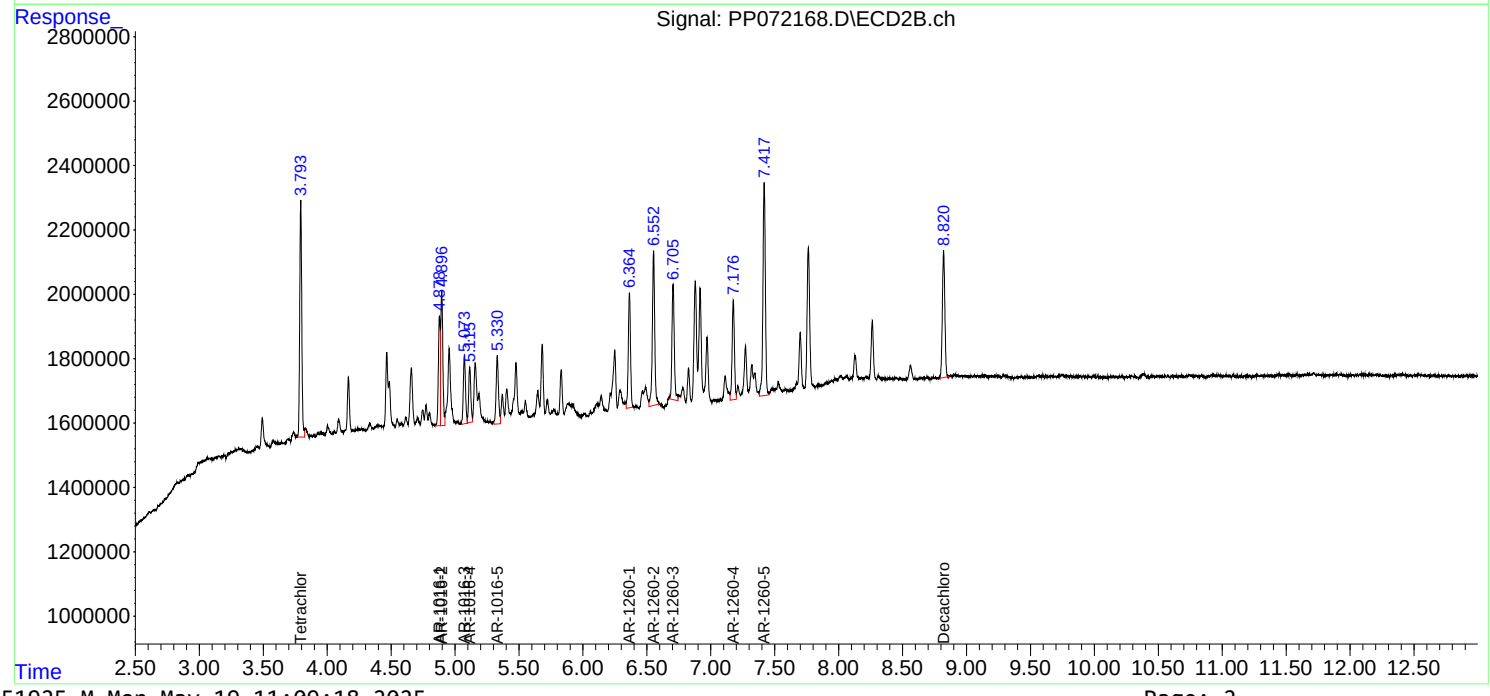
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

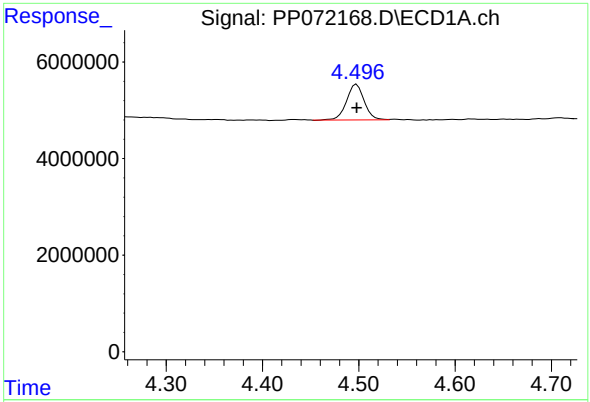
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



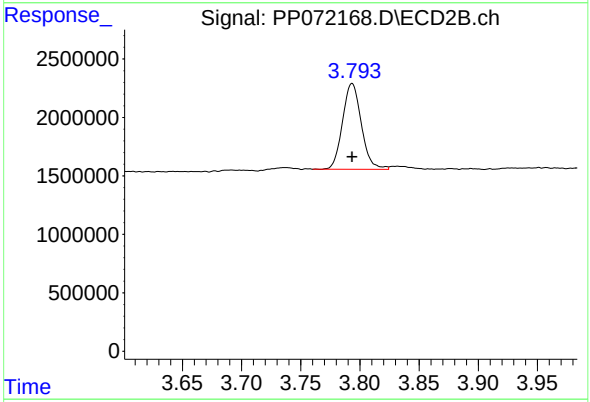




#1 Tetrachloro-m-xylene

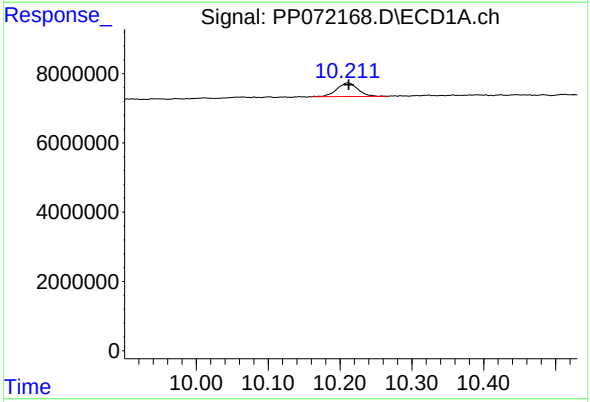
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 9370134
Conc: 4.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



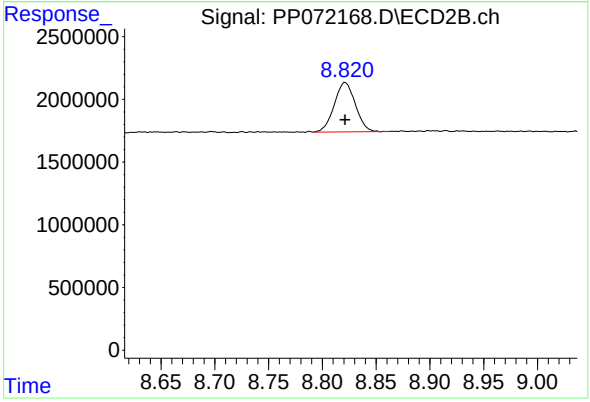
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 8133165
Conc: 5.09 ng/ml



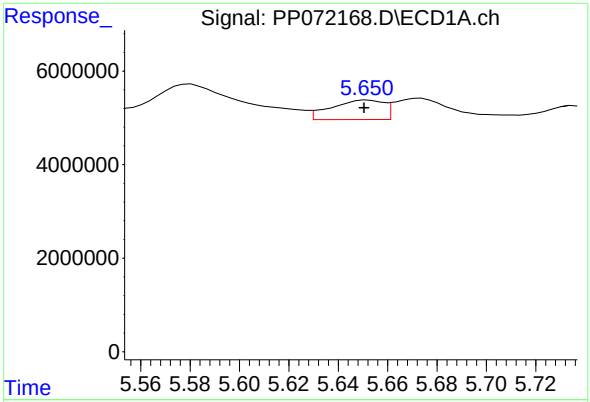
#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 8114063
Conc: 4.98 ng/ml



#2 Decachlorobiphenyl

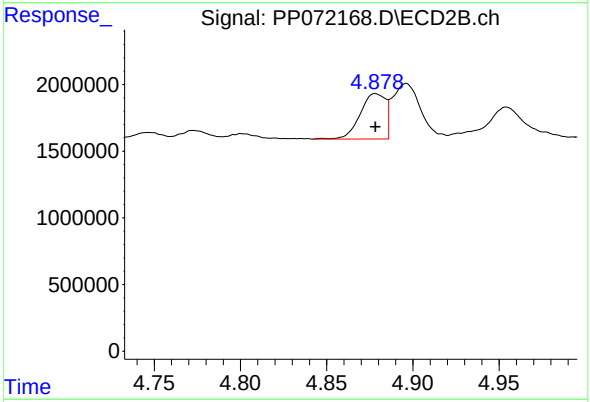
R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 5355591
Conc: 5.06 ng/ml



#3 AR-1016-1

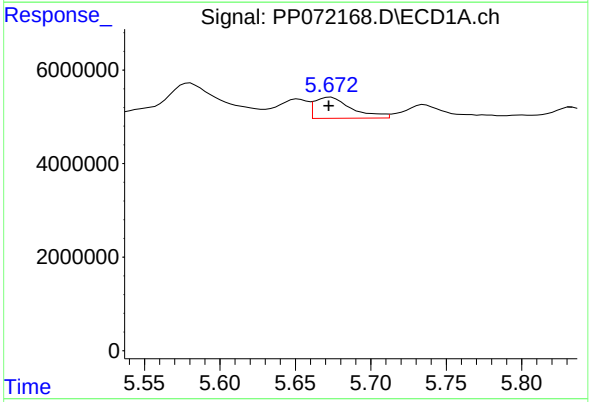
R.T.: 5.652 min
Delta R.T.: 0.002 min
Response: 6125011
Conc: 82.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



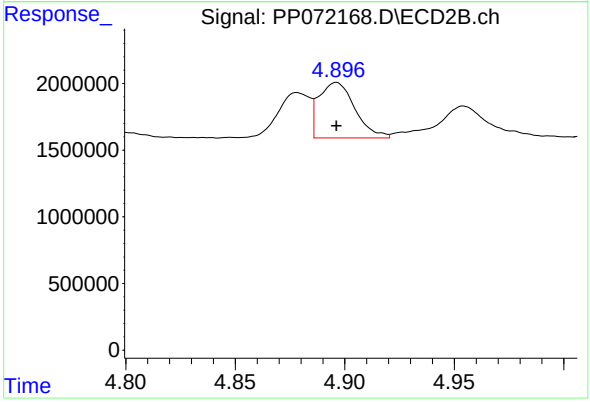
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 3481238
Conc: 56.67 ng/ml



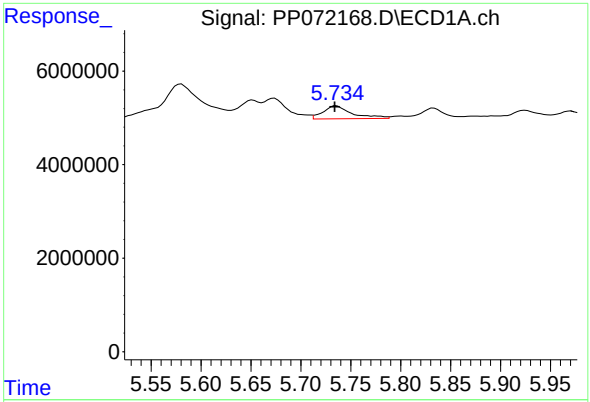
#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.001 min
Response: 7731836
Conc: 72.55 ng/ml



#4 AR-1016-2

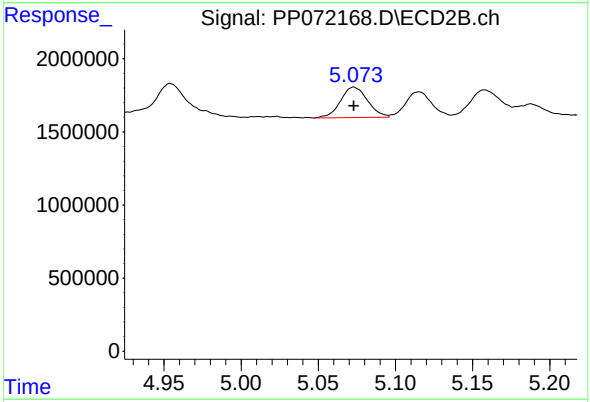
R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 4763878
Conc: 54.26 ng/ml



#5 AR-1016-3

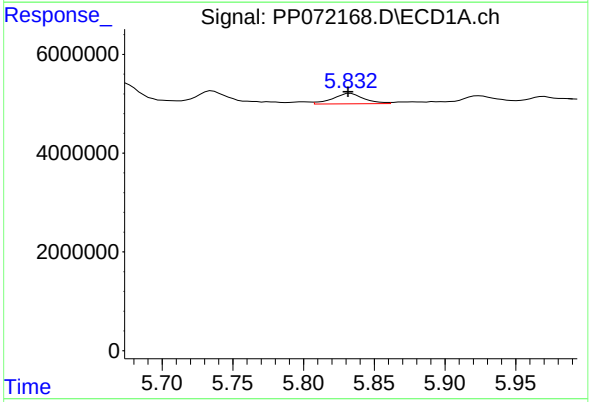
R.T.: 5.735 min
Delta R.T.: 0.002 min
Response: 5604139
Conc: 86.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



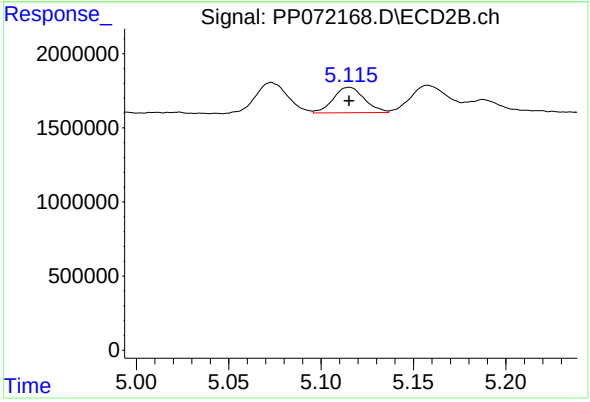
#5 AR-1016-3

R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 2547956
Conc: 53.47 ng/ml



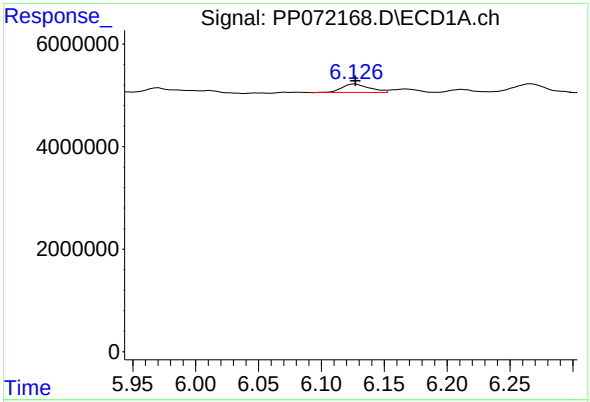
#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.002 min
Response: 3249573
Conc: 60.88 ng/ml



#6 AR-1016-4

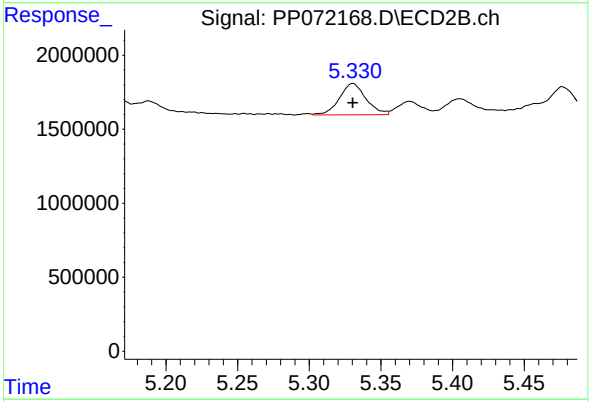
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 2024258
Conc: 53.21 ng/ml



#7 AR-1016-5

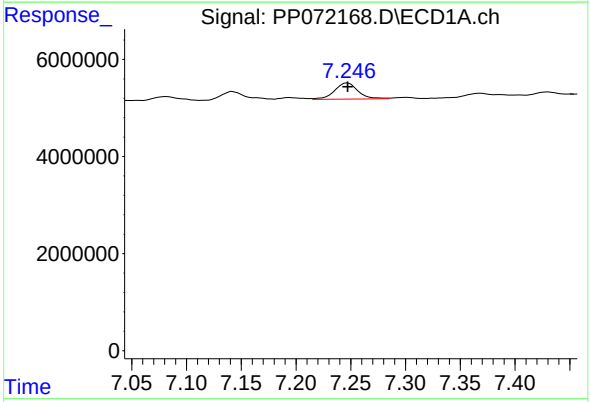
R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 2503132
Conc: 51.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



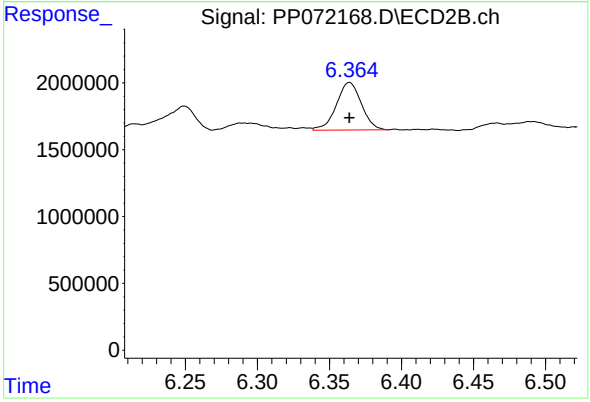
#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 2739010
Conc: 54.97 ng/ml



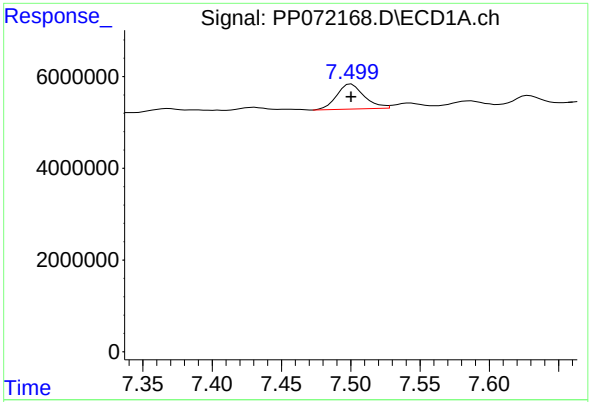
#31 AR-1260-1

R.T.: 7.247 min
Delta R.T.: 0.000 min
Response: 5002782
Conc: 53.45 ng/ml



#31 AR-1260-1

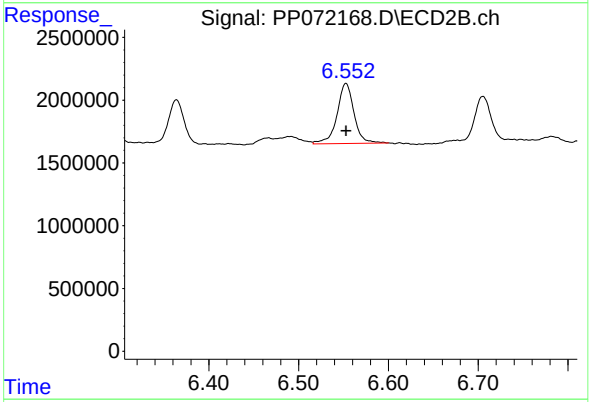
R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 4299958
Conc: 53.92 ng/ml



#32 AR-1260-2

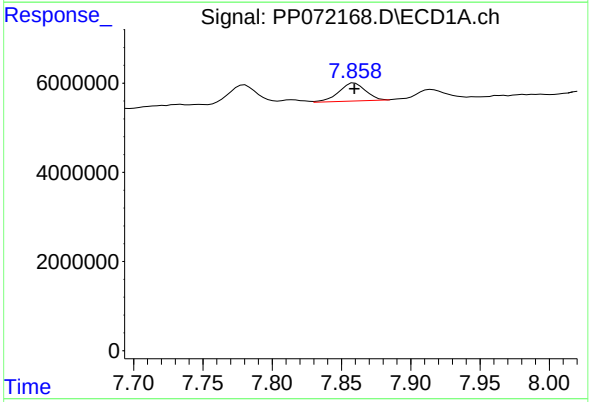
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 7551641
Conc: 52.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



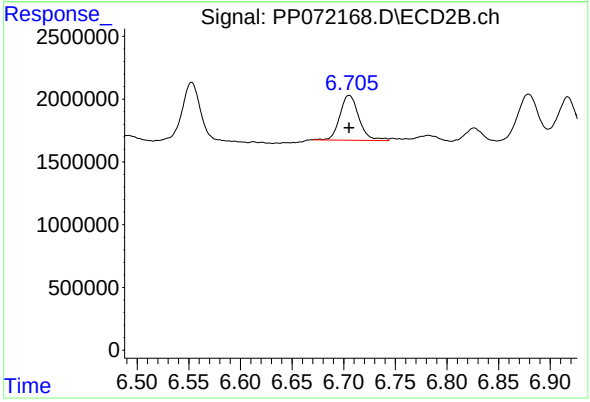
#32 AR-1260-2

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 6283346
Conc: 61.95 ng/ml



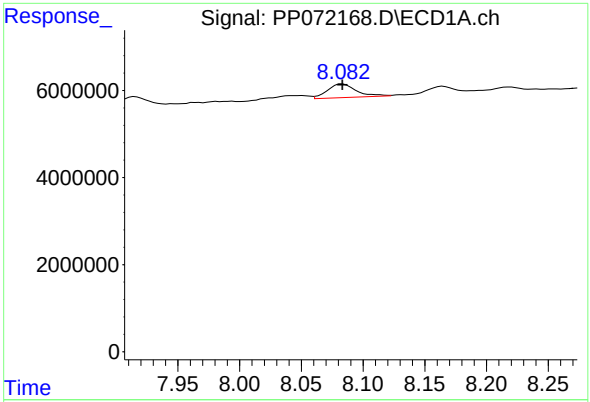
#33 AR-1260-3

R.T.: 7.859 min
Delta R.T.: 0.000 min
Response: 5443256
Conc: 47.80 ng/ml



#33 AR-1260-3

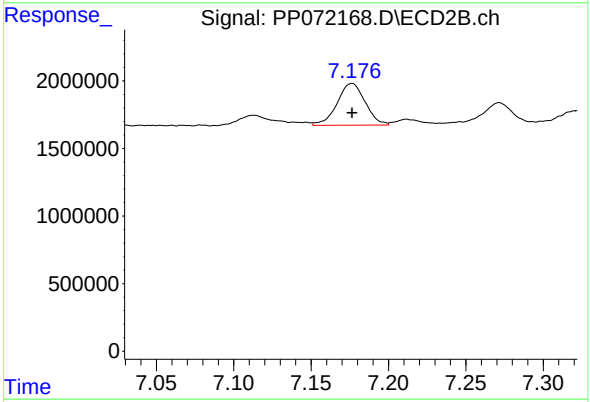
R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 4592239
Conc: 52.84 ng/ml



#34 AR-1260-4

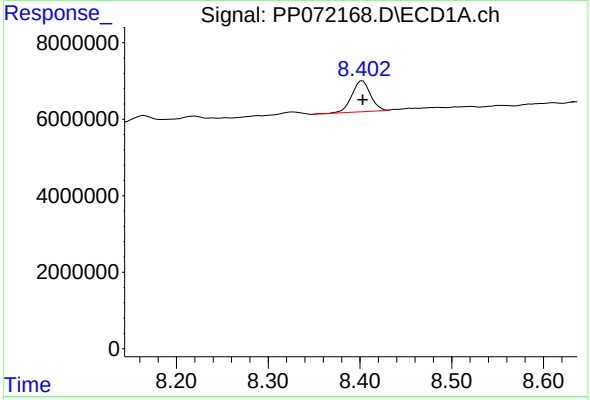
R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 5088570
Conc: 47.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



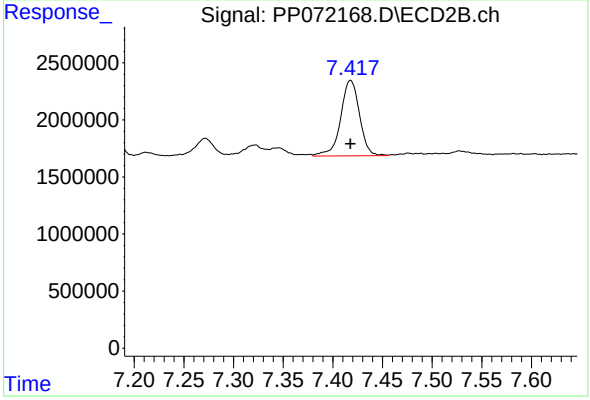
#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 3903032
Conc: 54.14 ng/ml



#35 AR-1260-5

R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 11497836
Conc: 48.58 ng/ml



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 8735677
Conc: 50.31 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.499	3.796	9615863	7891304	4.814	4.932
2)	SA Decachlor...	10.211	8.824	7499330	5759848	4.674	5.254
	Target Compounds						
11)	L3 AR-1232-1	4.863	4.168	2465980	2277793	52.347	52.551
12)	L3 AR-1232-2	5.389	4.898	1274783	2379299	54.751	53.854
13)	L3 AR-1232-3	5.675	5.075	3495514	1239517	68.650	53.009
14)	L3 AR-1232-4	5.834	5.160	1677001	1195921	68.340	57.718
15)	L3 AR-1232-5	5.924	5.331	1041139	1415397	59.427	61.129

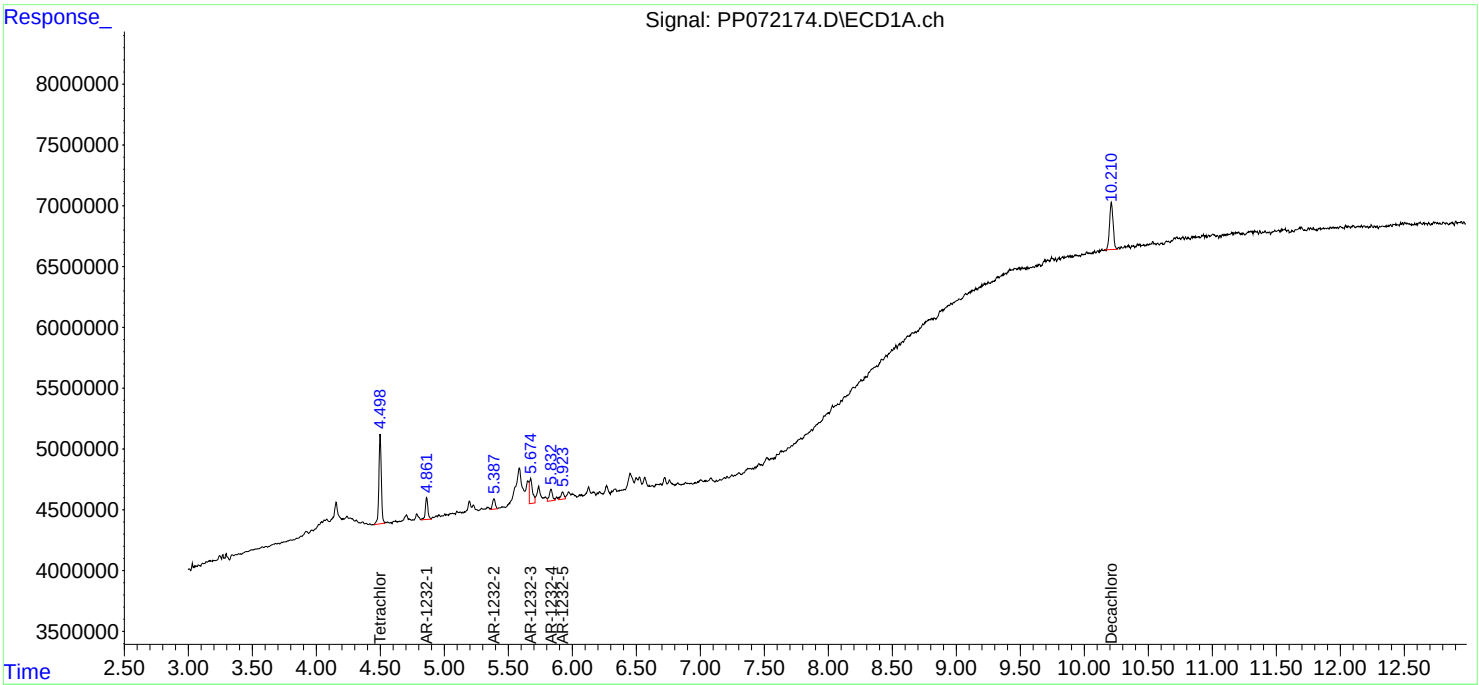
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

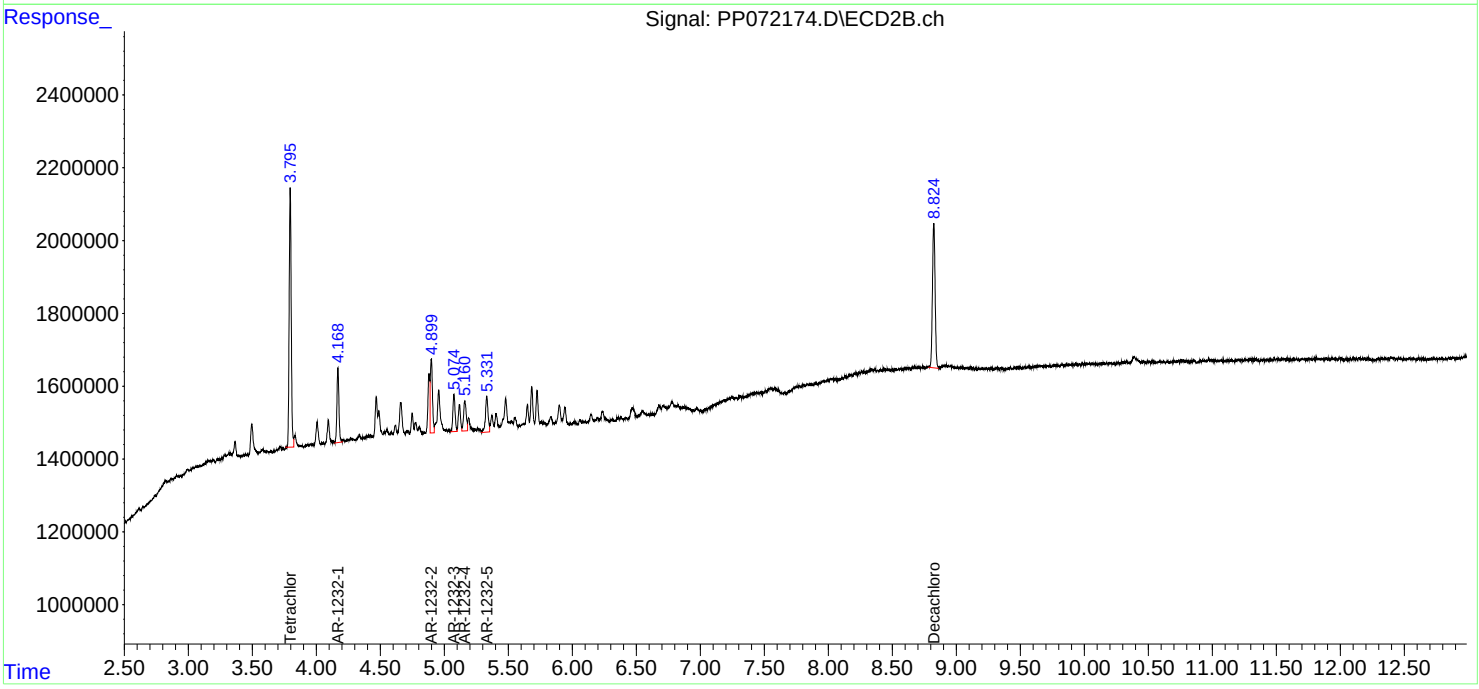
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

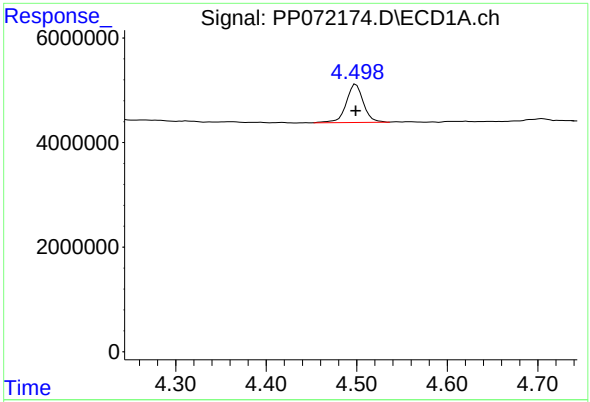
Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



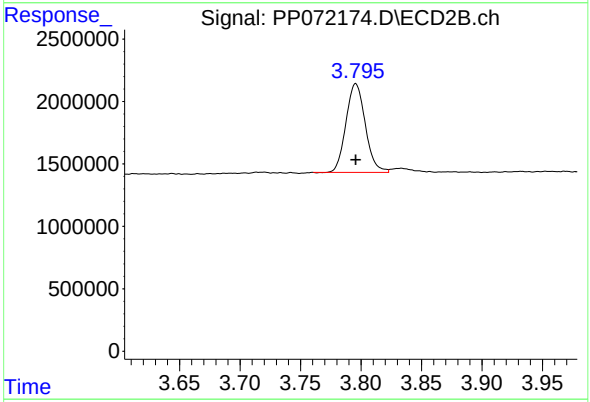




#1 Tetrachloro-m-xylene

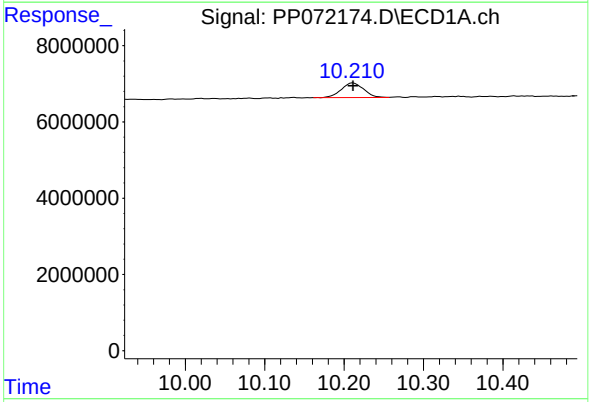
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 9615863
Conc: 4.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050



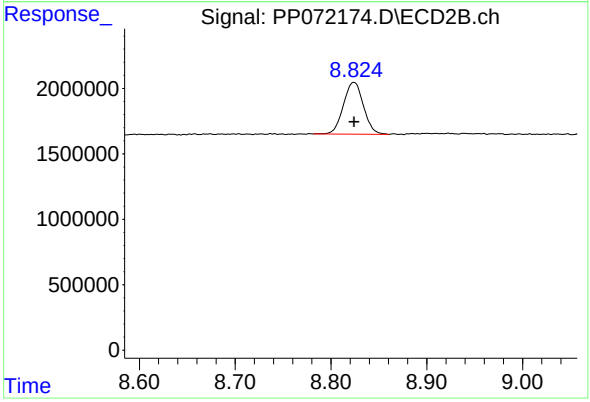
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 7891304
Conc: 4.93 ng/ml



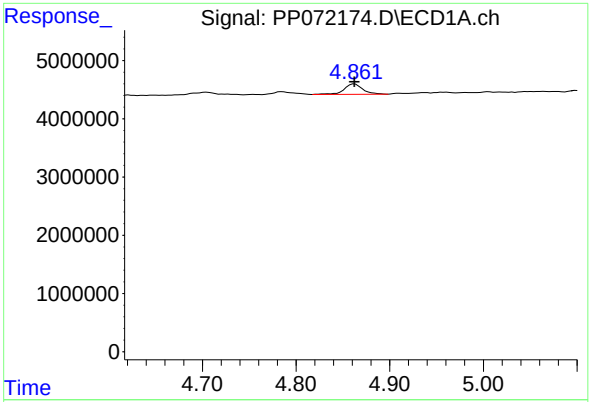
#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: 0.000 min
Response: 7499330
Conc: 4.67 ng/ml



#2 Decachlorobiphenyl

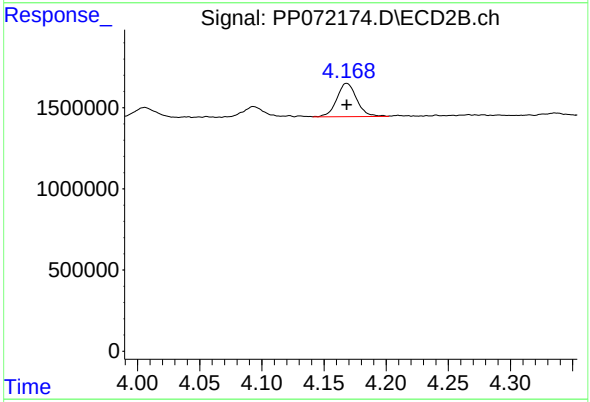
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5759848
Conc: 5.25 ng/ml



#11 AR-1232-1

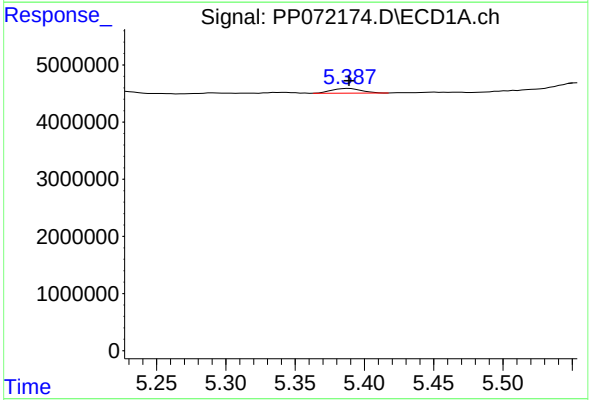
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 2465980
Conc: 52.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050



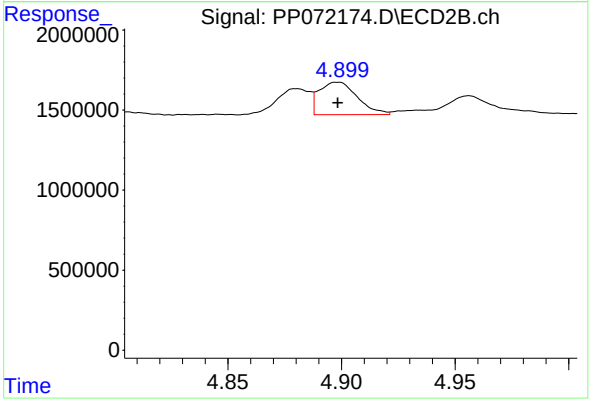
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 2277793
Conc: 52.55 ng/ml



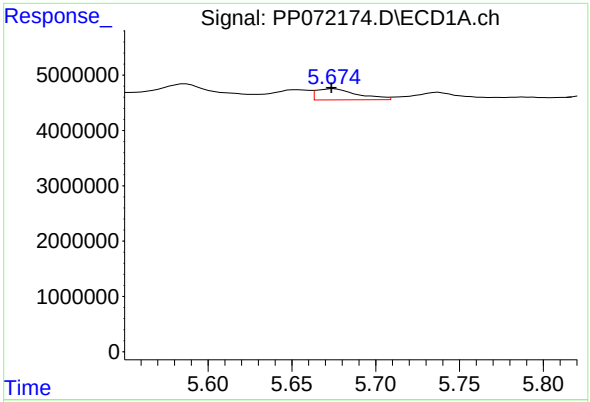
#12 AR-1232-2

R.T.: 5.389 min
Delta R.T.: 0.000 min
Response: 1274783
Conc: 54.75 ng/ml



#12 AR-1232-2

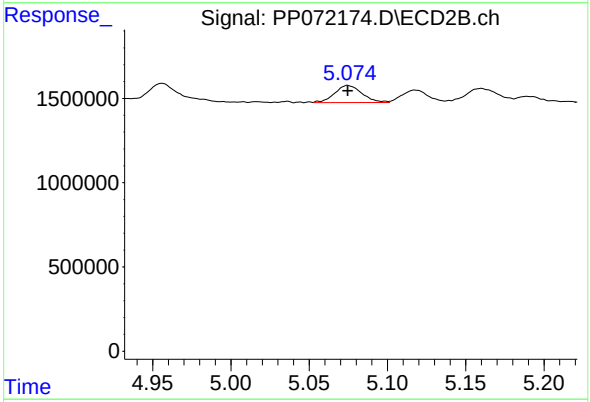
R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 2379299
Conc: 53.85 ng/ml



#13 AR-1232-3

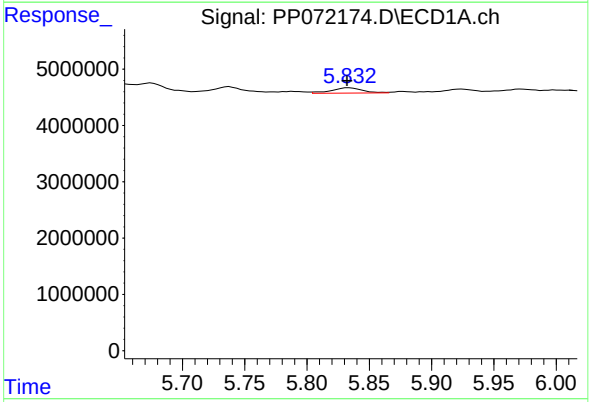
R.T.: 5.675 min
Delta R.T.: 0.001 min
Response: 3495514
Conc: 68.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050



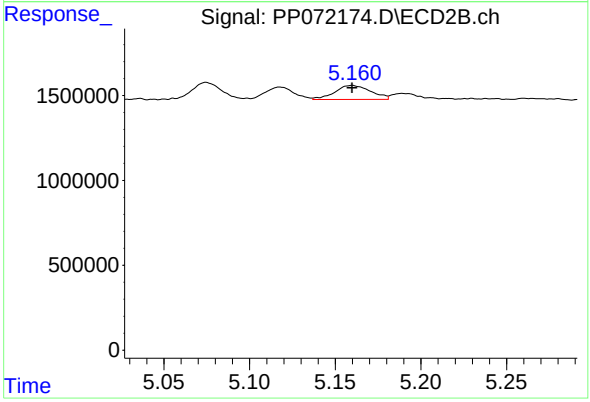
#13 AR-1232-3

R.T.: 5.075 min
Delta R.T.: 0.000 min
Response: 1239517
Conc: 53.01 ng/ml



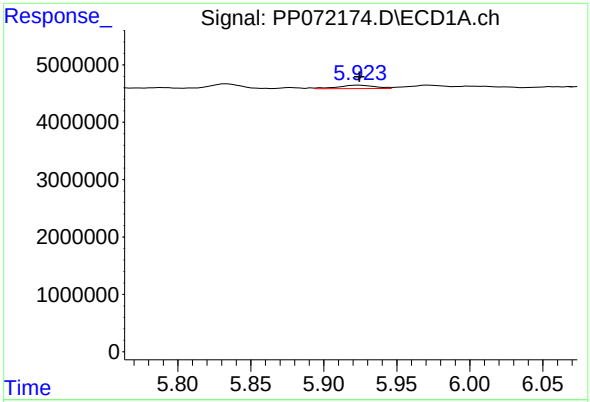
#14 AR-1232-4

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 1677001
Conc: 68.34 ng/ml



#14 AR-1232-4

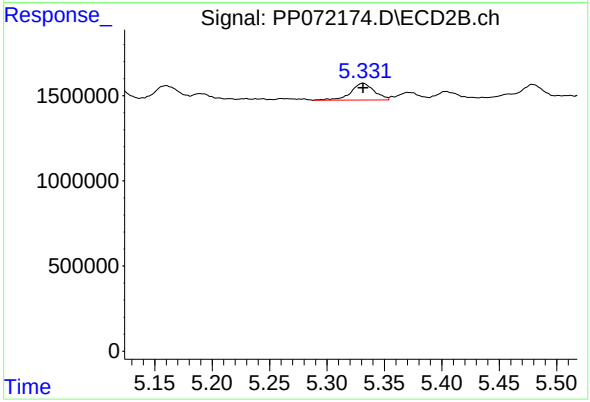
R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 1195921
Conc: 57.72 ng/ml



#15 AR-1232-5

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1041139
Conc: 59.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC050



#15 AR-1232-5

R.T.: 5.331 min
Delta R.T.: 0.000 min
Response: 1415397
Conc: 61.13 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.503	3.797	8565148	6886728	4.472	4.404
2)	SA Decachlor...	10.216	8.824	7437092	5391472	4.674	5.058
	Target Compounds						
16)	L4 AR-1242-1	5.656	4.882	6411596	2721766	100.469	52.233 #
17)	L4 AR-1242-2	5.678	4.900	7178104	3701307	81.515	50.361 #
18)	L4 AR-1242-3	5.741	5.076	6037674	1833864	110.164	46.871 #
19)	L4 AR-1242-4	5.838	5.161	2729726	1844717	62.204	49.084
20)	L4 AR-1242-5	6.569	5.684	6685873	2978943	129.555	62.632 #

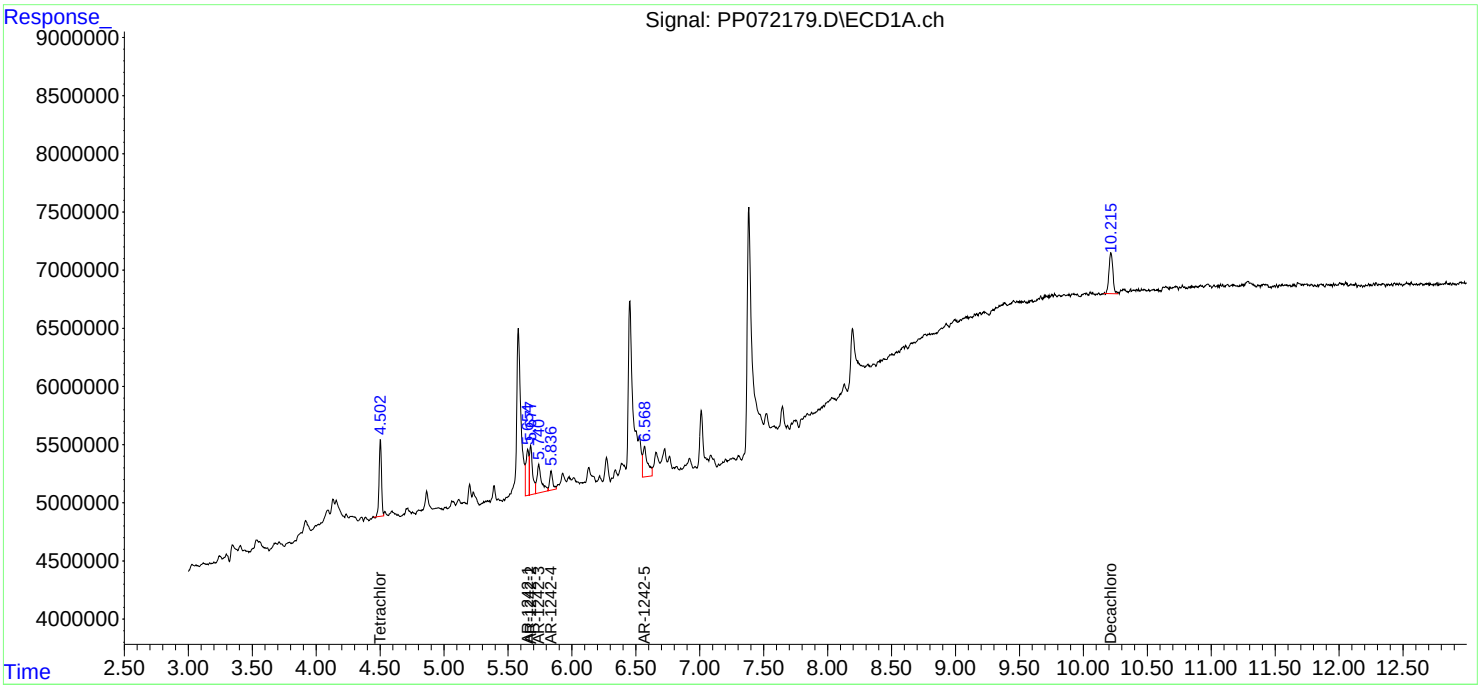
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

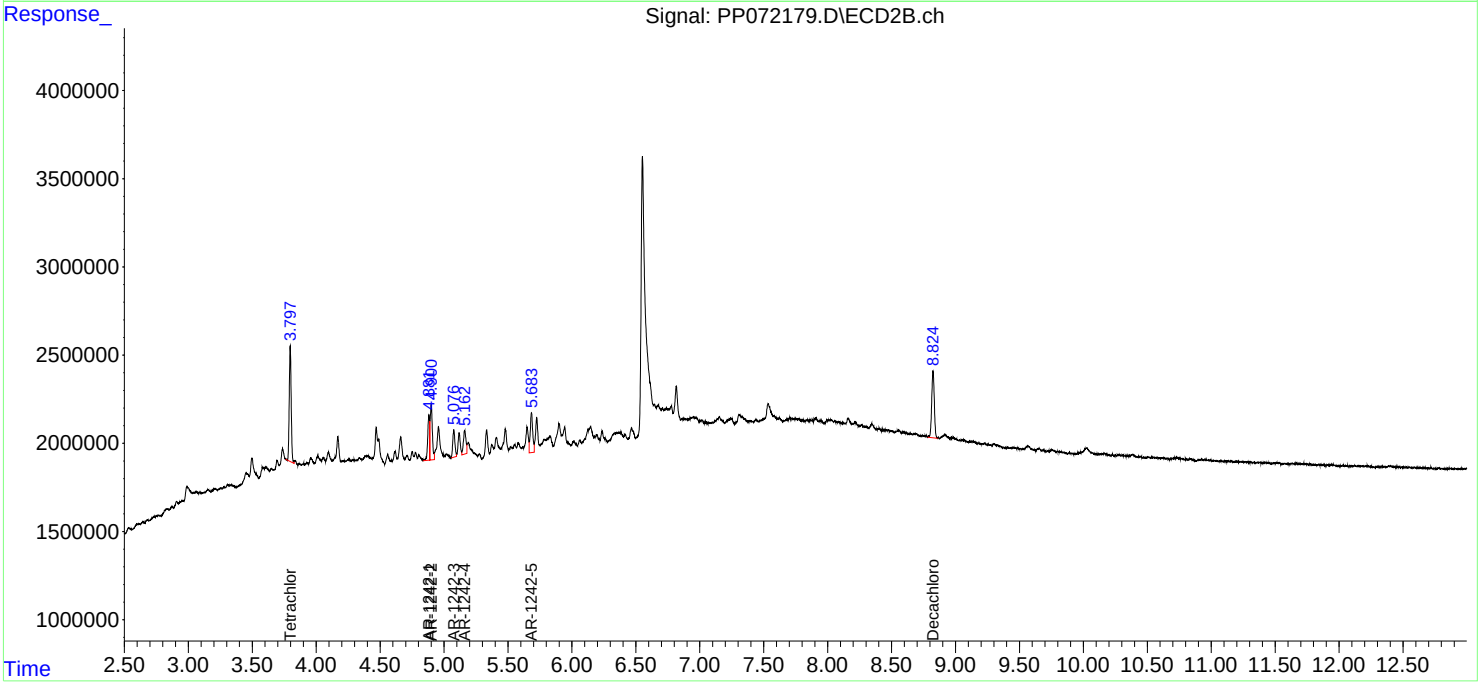
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

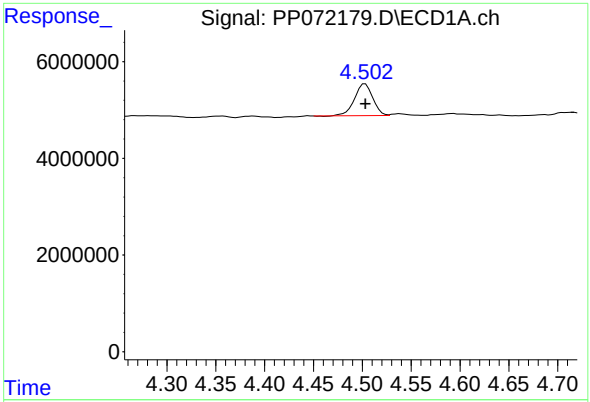
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



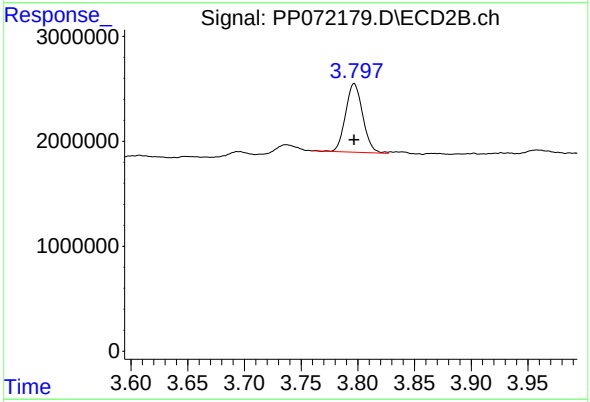




#1 Tetrachloro-m-xylene

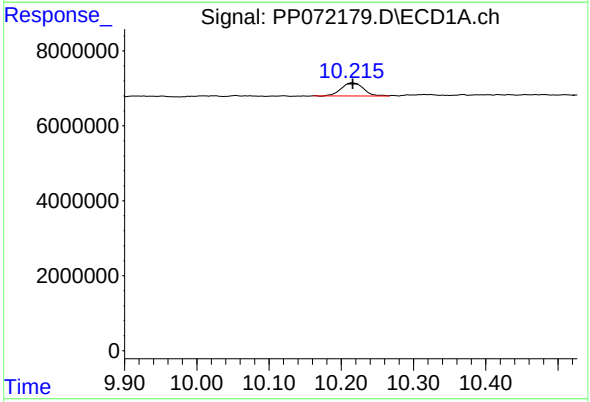
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 8565148
Conc: 4.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



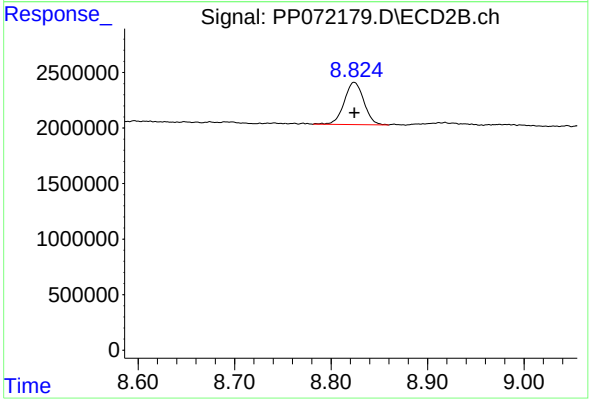
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 6886728
Conc: 4.40 ng/ml



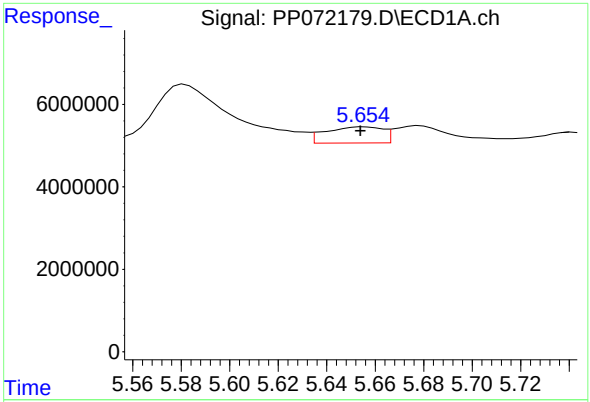
#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: 0.000 min
Response: 7437092
Conc: 4.67 ng/ml



#2 Decachlorobiphenyl

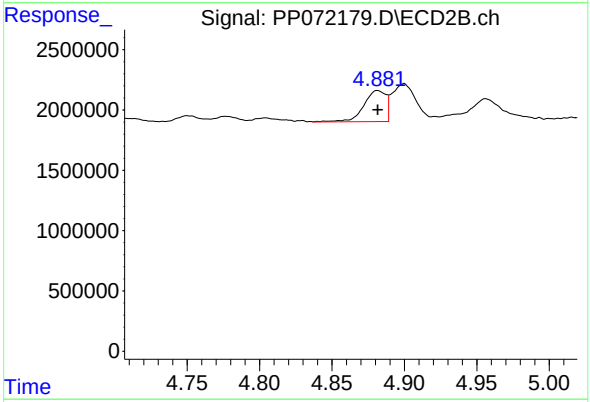
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5391472
Conc: 5.06 ng/ml



#16 AR-1242-1

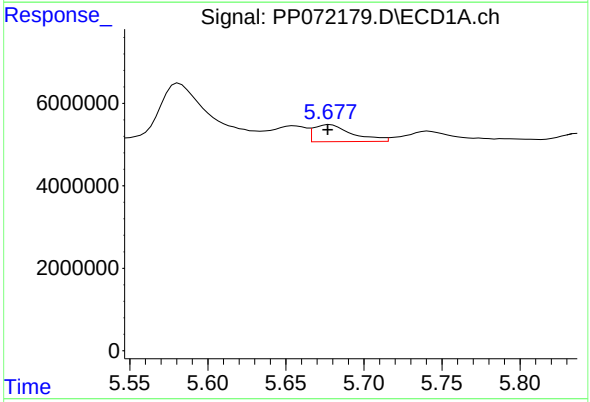
R.T.: 5.656 min
Delta R.T.: 0.002 min
Response: 6411596
Conc: 100.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



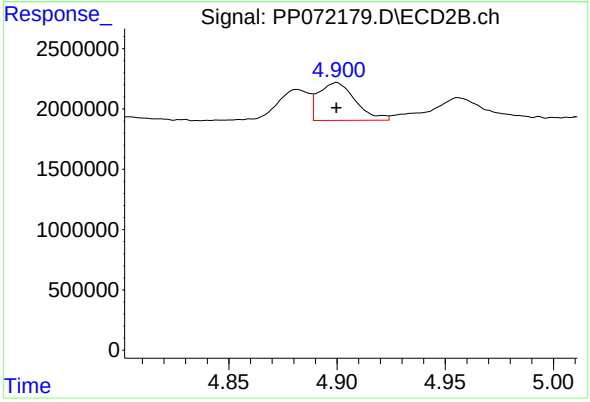
#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 2721766
Conc: 52.23 ng/ml



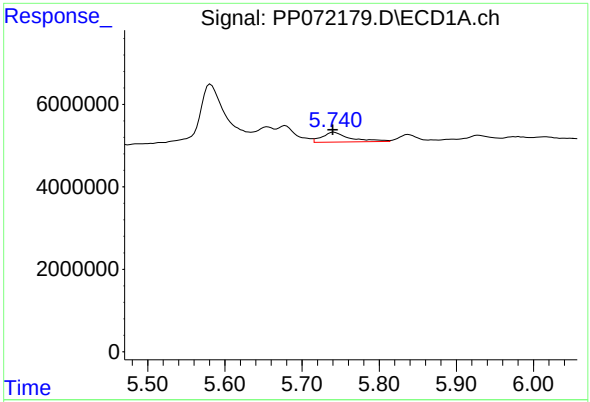
#17 AR-1242-2

R.T.: 5.678 min
Delta R.T.: 0.001 min
Response: 7178104
Conc: 81.51 ng/ml



#17 AR-1242-2

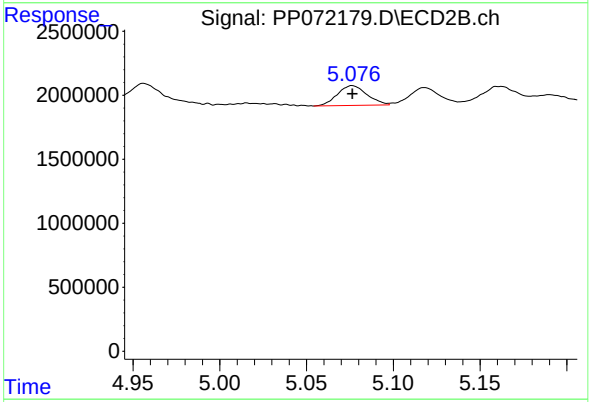
R.T.: 4.900 min
Delta R.T.: 0.000 min
Response: 3701307
Conc: 50.36 ng/ml



#18 AR-1242-3

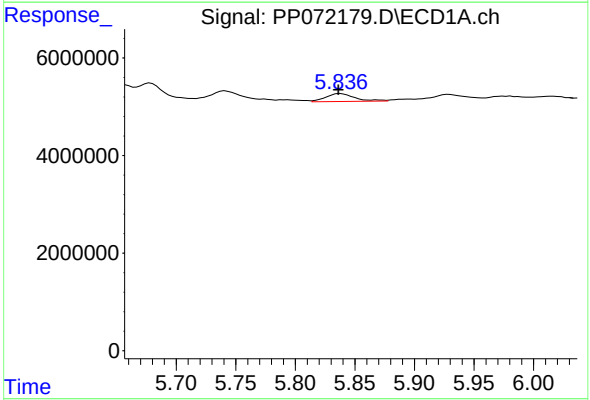
R.T.: 5.741 min
Delta R.T.: 0.001 min
Response: 6037674
Conc: 110.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



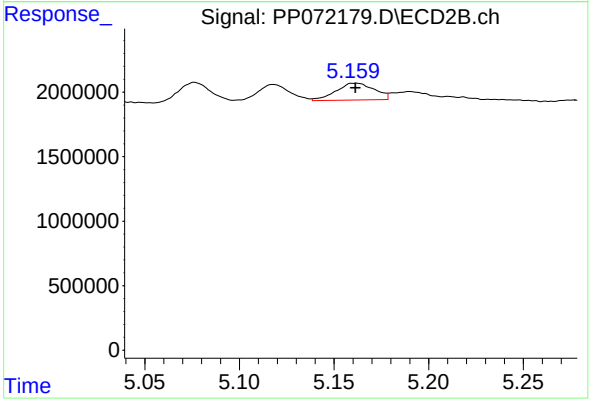
#18 AR-1242-3

R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 1833864
Conc: 46.87 ng/ml



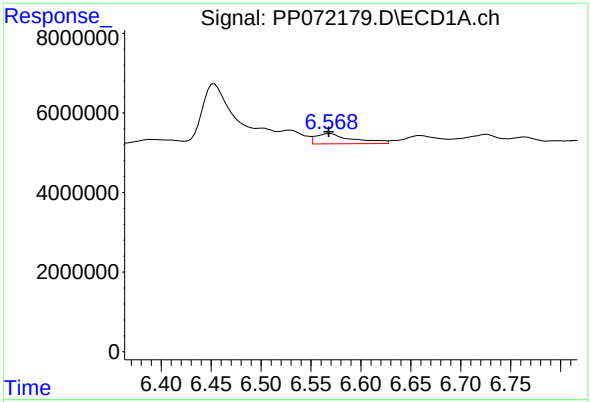
#19 AR-1242-4

R.T.: 5.838 min
Delta R.T.: 0.001 min
Response: 2729726
Conc: 62.20 ng/ml



#19 AR-1242-4

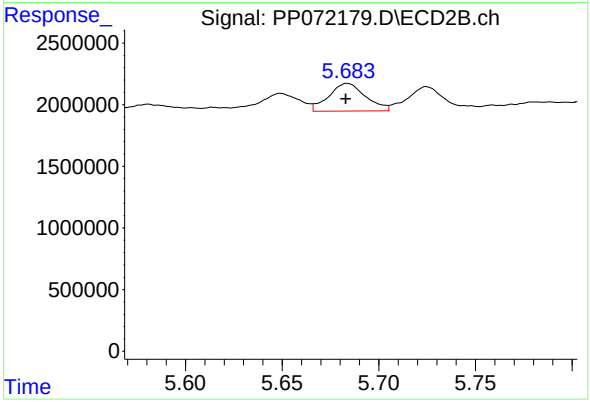
R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1844717
Conc: 49.08 ng/ml



#20 AR-1242-5

R.T.: 6.569 min
Delta R.T.: 0.001 min
Response: 6685873
Conc: 129.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 2978943
Conc: 62.63 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.797	9281743	8589975	4.760	5.149
2)	SA Decachlor...	10.214	8.824	7393621	5937693	4.604	5.226
	Target Compounds						
21)	L5 AR-1248-1	5.653	4.881	3254908	2493351	66.841	57.554
22)	L5 AR-1248-2	5.926	5.118	3108634	3271038	51.264	57.918
23)	L5 AR-1248-3	6.128	5.160	3050186	3383850	46.089	57.249
24)	L5 AR-1248-4	6.528	5.333	4472018	4175559	51.172	60.065
25)	L5 AR-1248-5	6.567	5.725	4323703	3941459	52.077	56.517

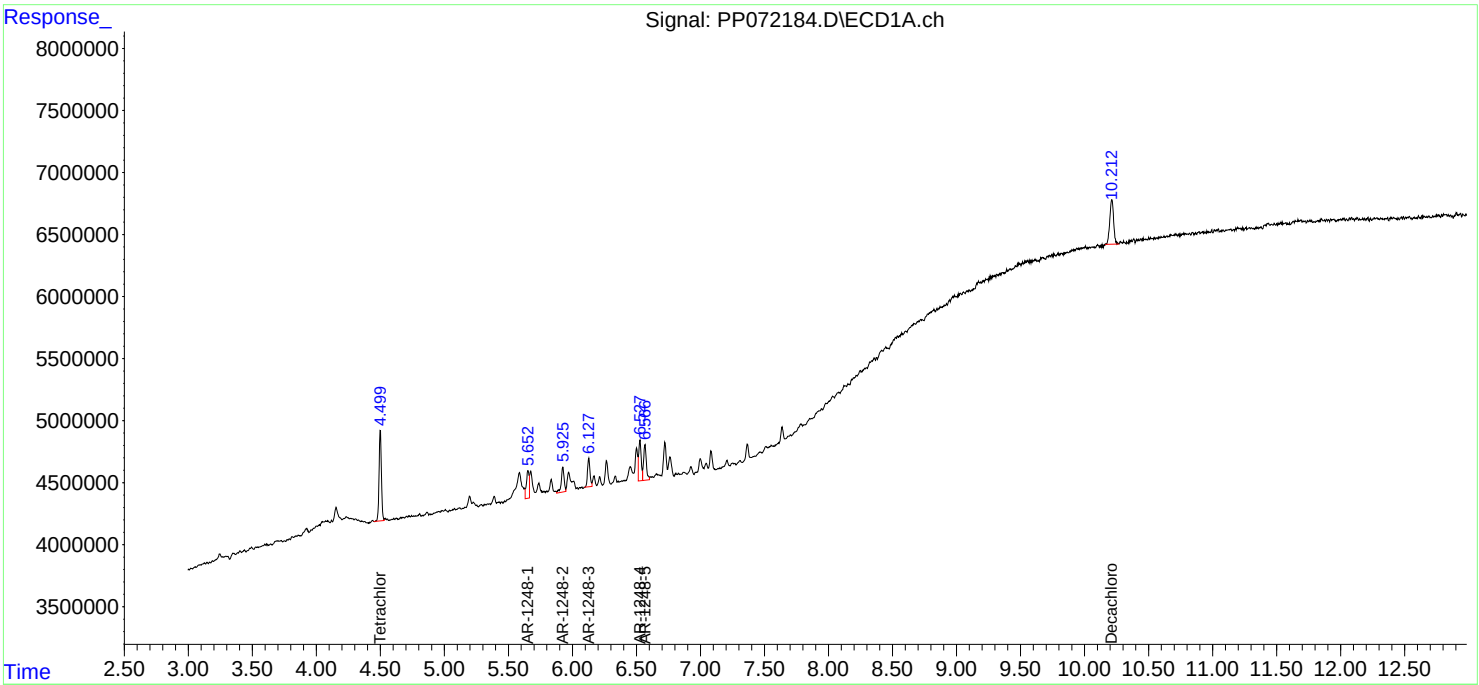
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

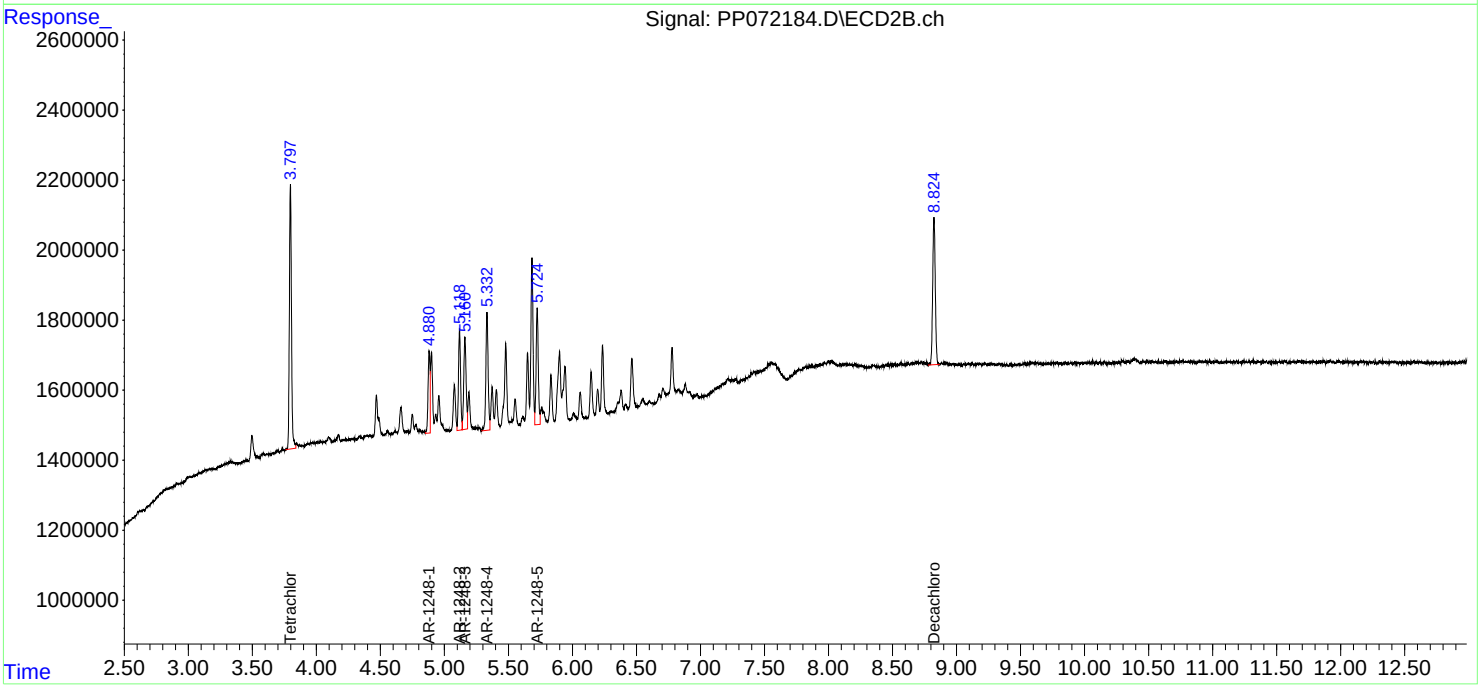
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

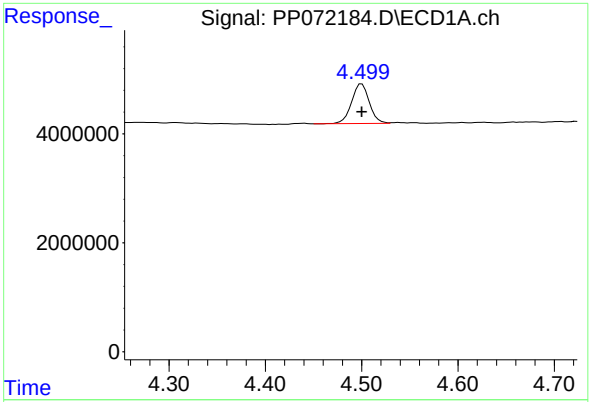
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



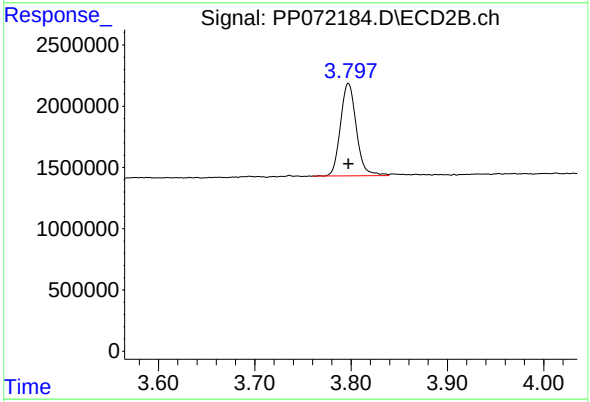




#1 Tetrachloro-m-xylene

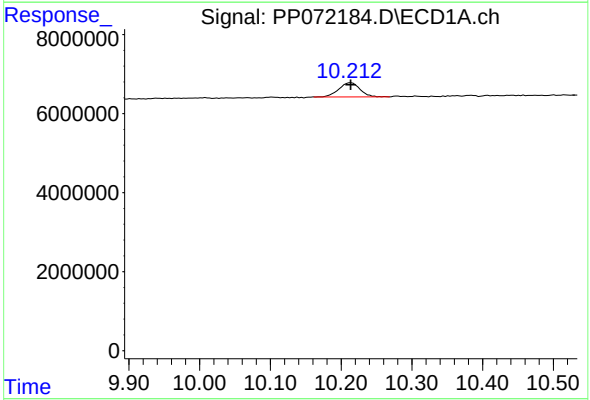
R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 9281743
Conc: 4.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



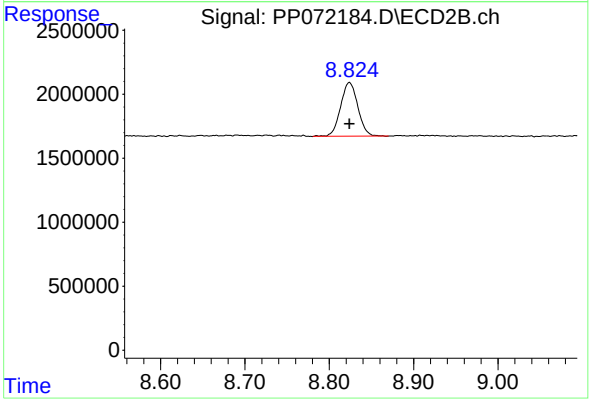
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 8589975
Conc: 5.15 ng/ml



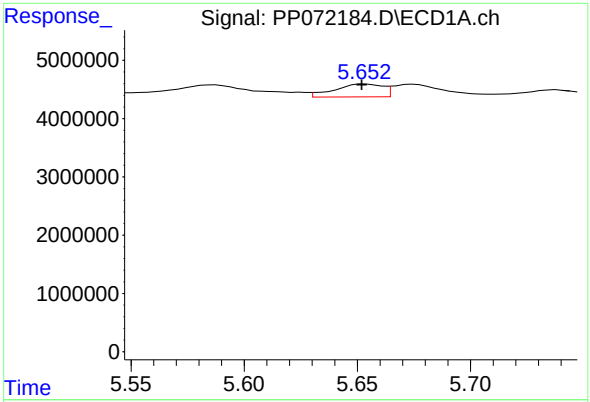
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 7393621
Conc: 4.60 ng/ml



#2 Decachlorobiphenyl

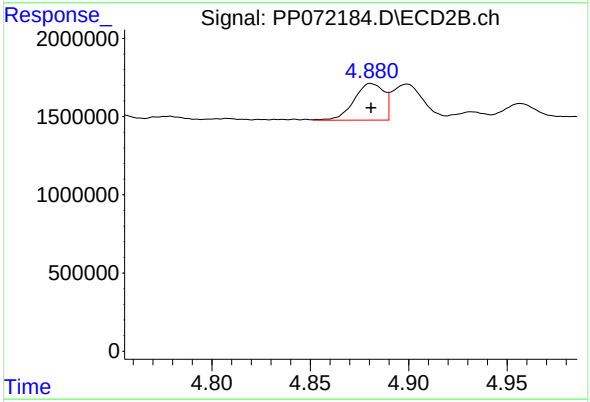
R.T.: 8.824 min
Delta R.T.: 0.000 min
Response: 5937693
Conc: 5.23 ng/ml



#21 AR-1248-1

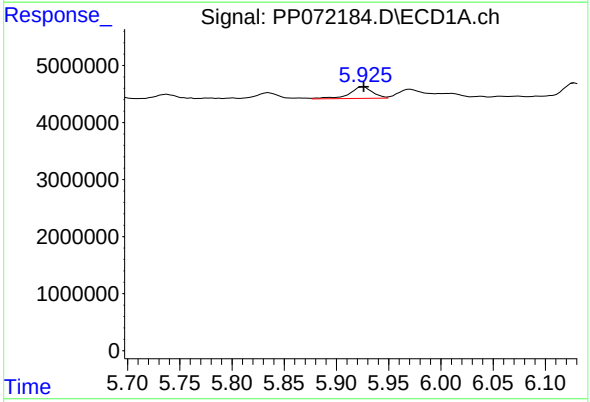
R.T.: 5.653 min
Delta R.T.: 0.001 min
Response: 3254908
Conc: 66.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



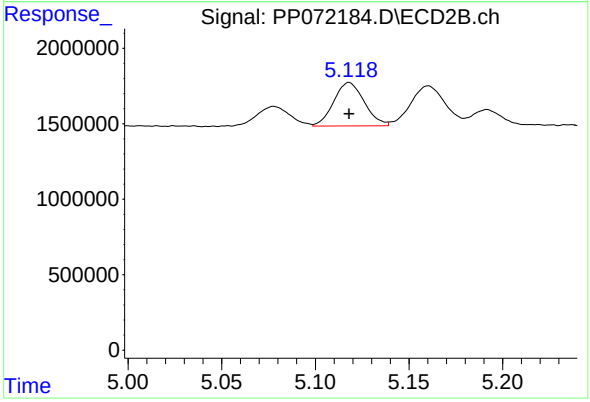
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 2493351
Conc: 57.55 ng/ml



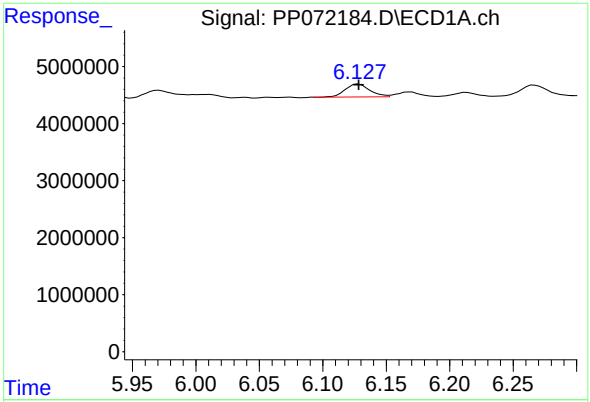
#22 AR-1248-2

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 3108634
Conc: 51.26 ng/ml



#22 AR-1248-2

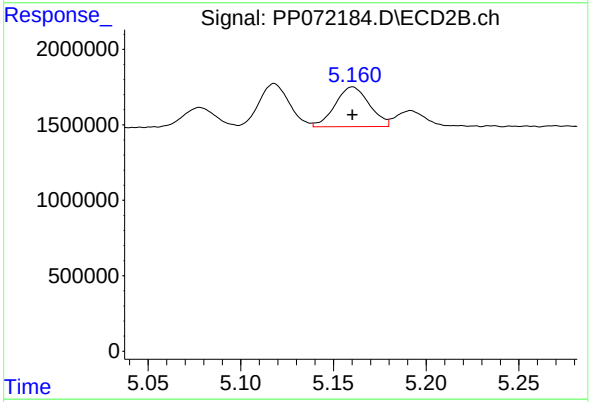
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 3271038
Conc: 57.92 ng/ml



#23 AR-1248-3

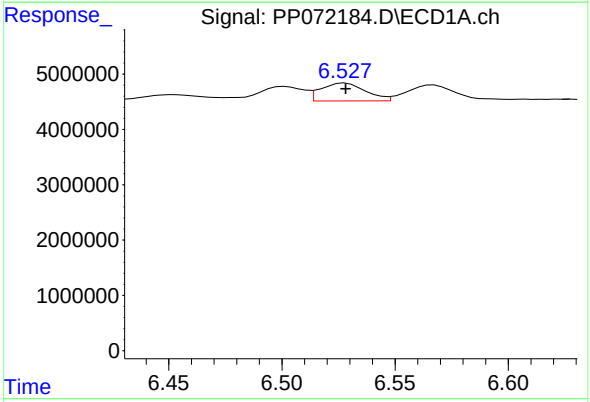
R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 3050186
Conc: 46.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



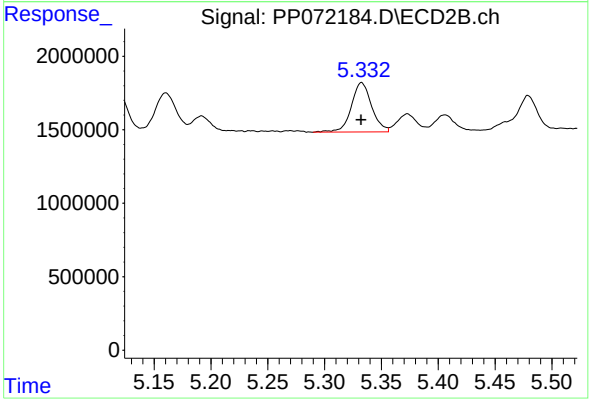
#23 AR-1248-3

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 3383850
Conc: 57.25 ng/ml



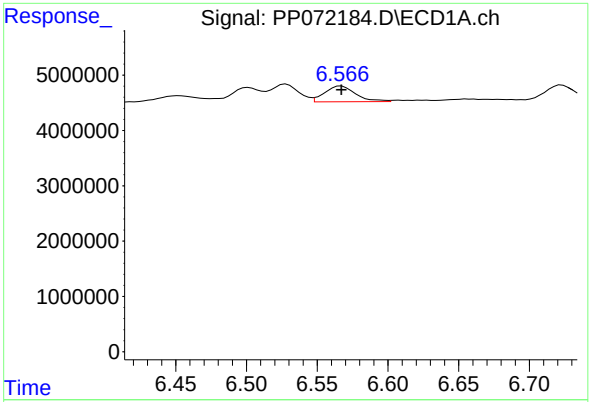
#24 AR-1248-4

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 4472018
Conc: 51.17 ng/ml



#24 AR-1248-4

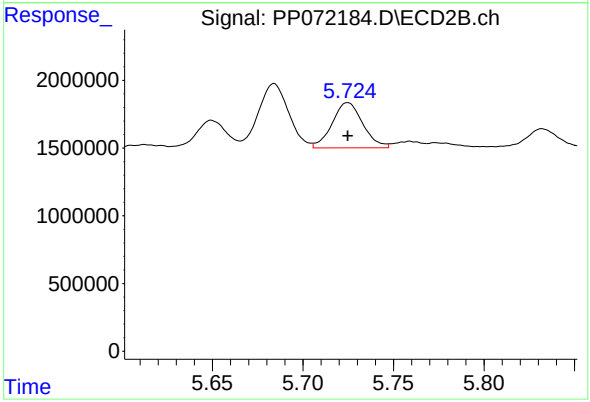
R.T.: 5.333 min
Delta R.T.: 0.000 min
Response: 4175559
Conc: 60.06 ng/ml



#25 AR-1248-5

R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 4323703
Conc: 52.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 3941459
Conc: 56.52 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.504	3.798	7631582	6632887	3.992	4.120
2)	SA Decachlor...	10.218	8.826	7375422	5691115	4.574	5.091
	Target Compounds						
26)	L6 AR-1254-1	6.509	5.686	6426228	5310413	75.139	53.128 #
27)	L6 AR-1254-2	6.724	5.834	7137094	4681467	54.616	54.242
28)	L6 AR-1254-3	7.088	6.237	6855410	6144757	51.934	47.774
29)	L6 AR-1254-4	7.372	6.466	8227216	4817632	62.850	57.002
30)	L6 AR-1254-5	7.788	6.883	5139236	5522061	46.197	48.716

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

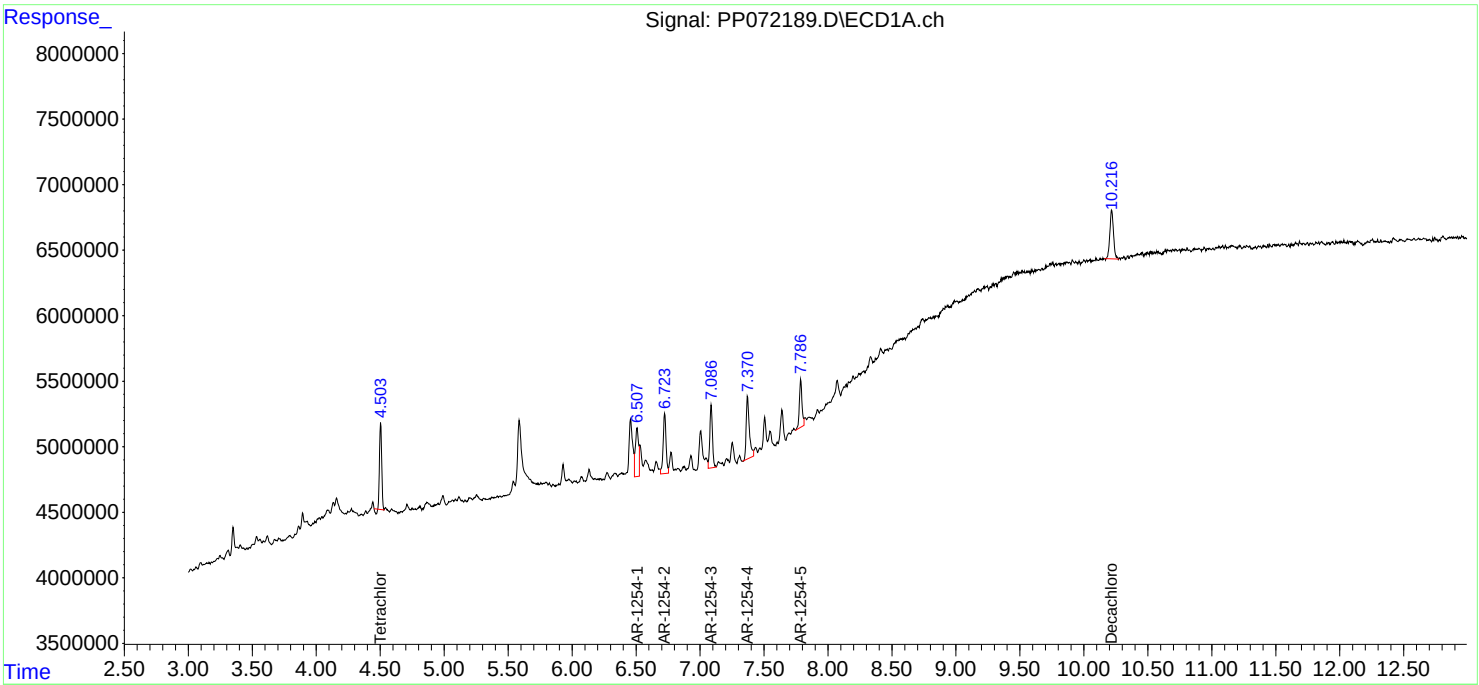
Quantitation Report (Not Reviewed)

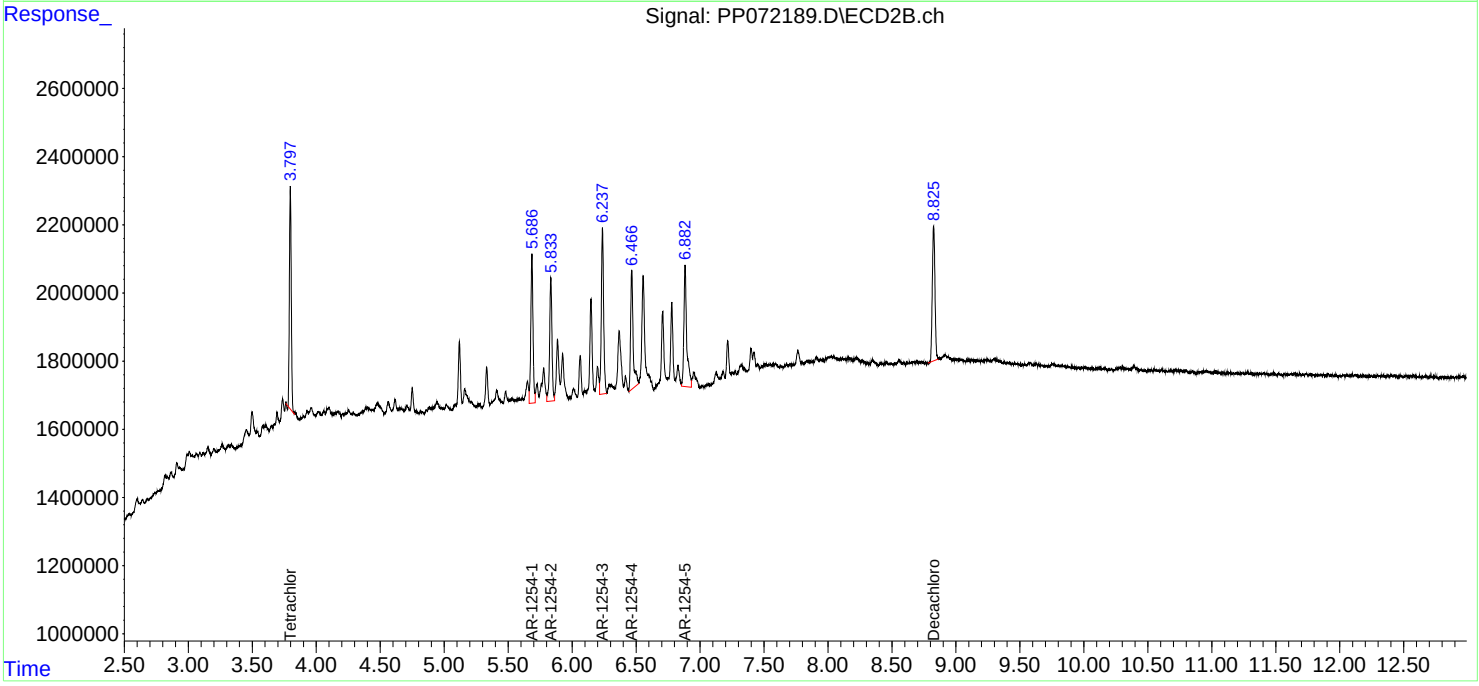
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

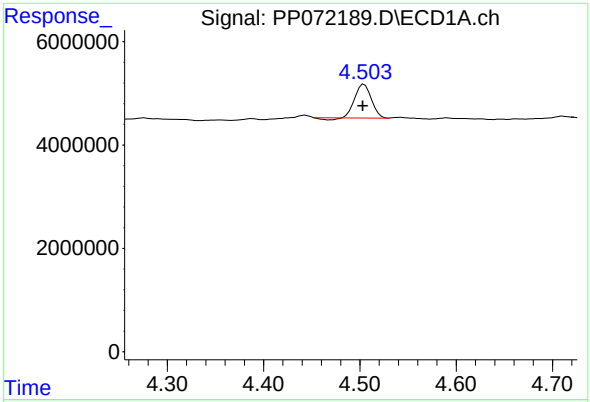
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



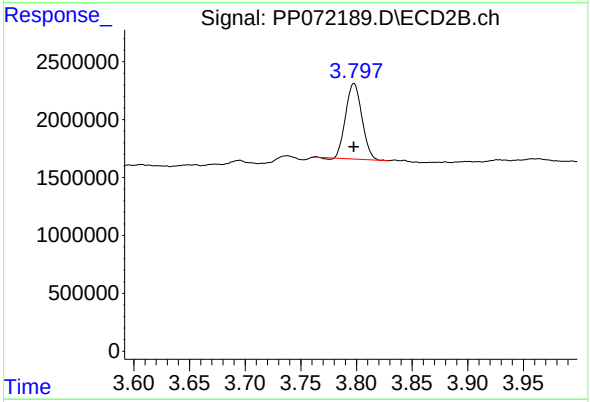




#1 Tetrachloro-m-xylene

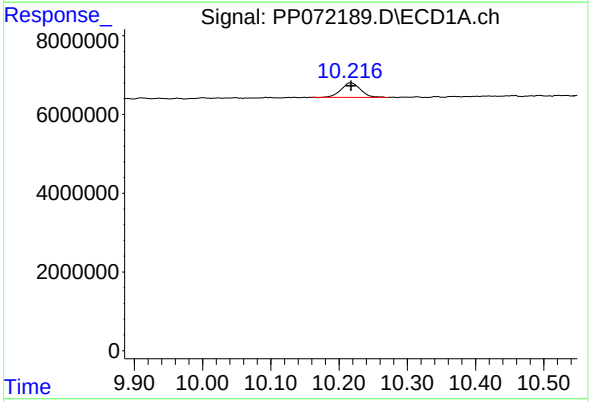
R.T.: 4.504 min
Delta R.T.: 0.001 min
Response: 7631582
Conc: 3.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



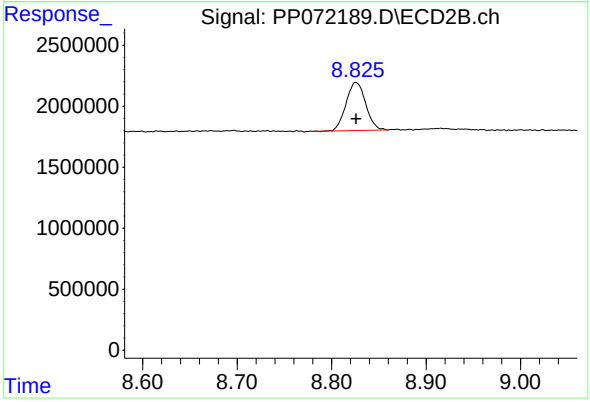
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.000 min
Response: 6632887
Conc: 4.12 ng/ml



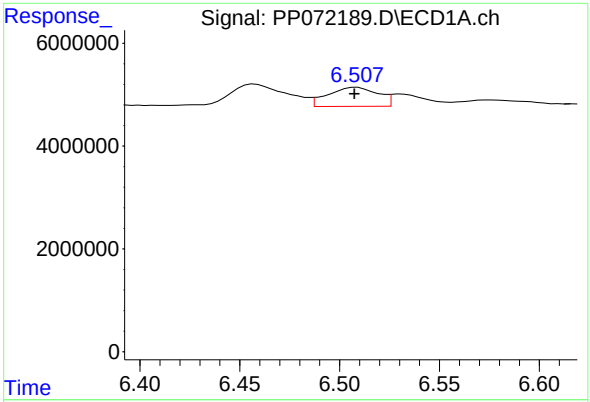
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 7375422
Conc: 4.57 ng/ml



#2 Decachlorobiphenyl

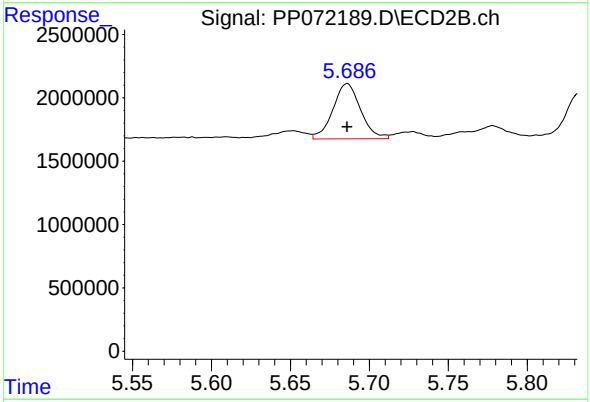
R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 5691115
Conc: 5.09 ng/ml



#26 AR-1254-1

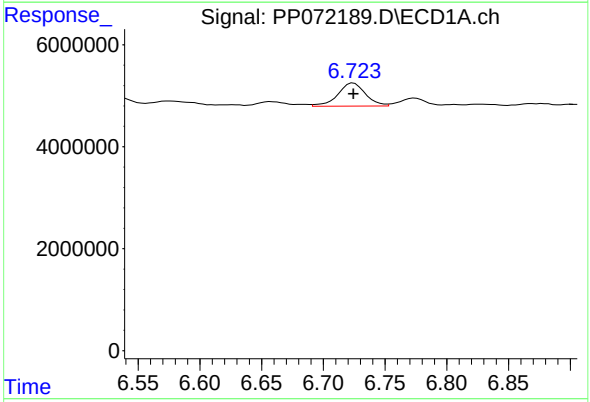
R.T.: 6.509 min
Delta R.T.: 0.001 min
Response: 6426228
Conc: 75.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



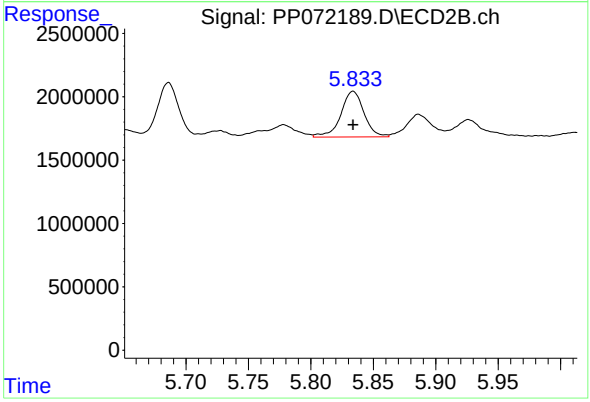
#26 AR-1254-1

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 5310413
Conc: 53.13 ng/ml



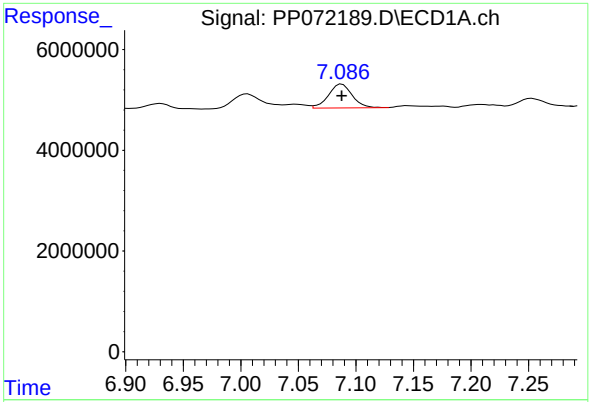
#27 AR-1254-2

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 7137094
Conc: 54.62 ng/ml



#27 AR-1254-2

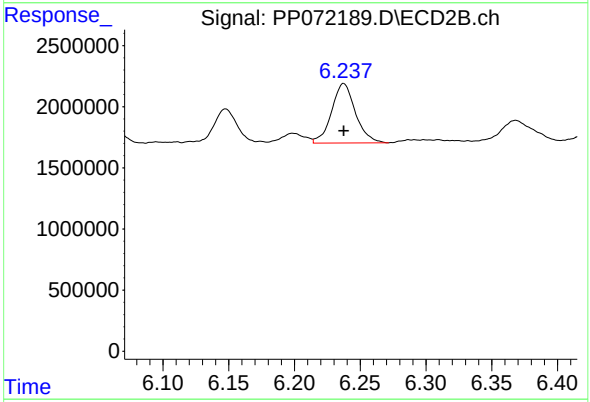
R.T.: 5.834 min
Delta R.T.: 0.000 min
Response: 4681467
Conc: 54.24 ng/ml



#28 AR-1254-3

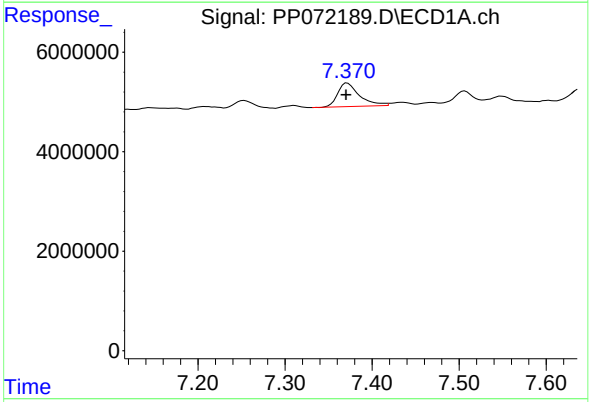
R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 6855410
Conc: 51.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



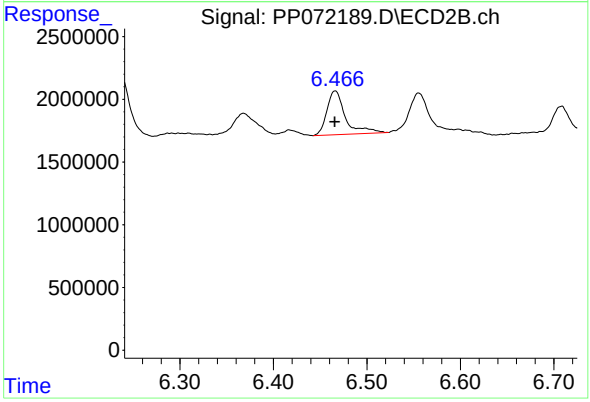
#28 AR-1254-3

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 6144757
Conc: 47.77 ng/ml



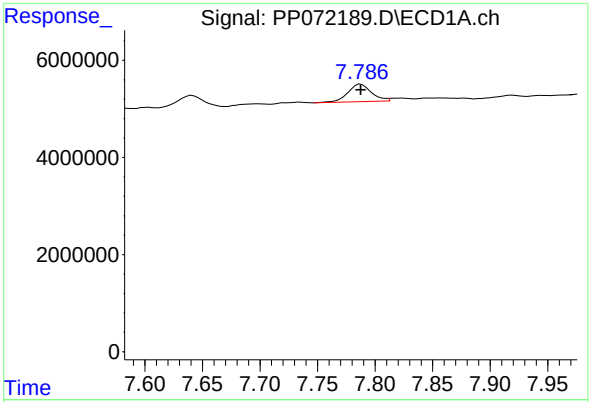
#29 AR-1254-4

R.T.: 7.372 min
Delta R.T.: 0.002 min
Response: 8227216
Conc: 62.85 ng/ml



#29 AR-1254-4

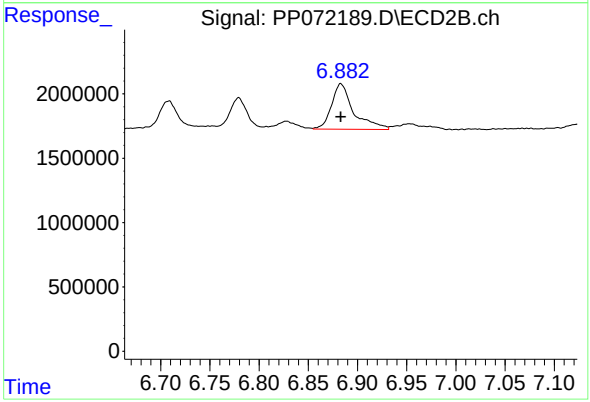
R.T.: 6.466 min
Delta R.T.: 0.000 min
Response: 4817632
Conc: 57.00 ng/ml



#30 AR-1254-5

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 5139236
Conc: 46.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 5522061
Conc: 48.72 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.505	3.797	8181309	7491150	4.099	4.541
2)	SA Decachlor...	10.218	8.823	13183771	10651243	4.487	5.599
	Target Compounds						
41)	L9 AR-1268-1	8.721	7.701	16756654	12836464	49.631	54.445
42)	L9 AR-1268-2	8.814	7.768	13998978	11129718	49.082	53.408
43)	L9 AR-1268-3	9.045	7.971	12064238	8963951	48.794	51.320
44)	L9 AR-1268-4	9.464	8.265	5112737	3748876	47.354	50.082
45)	L9 AR-1268-5	9.878	8.565	33648372	24605969	48.982	53.838

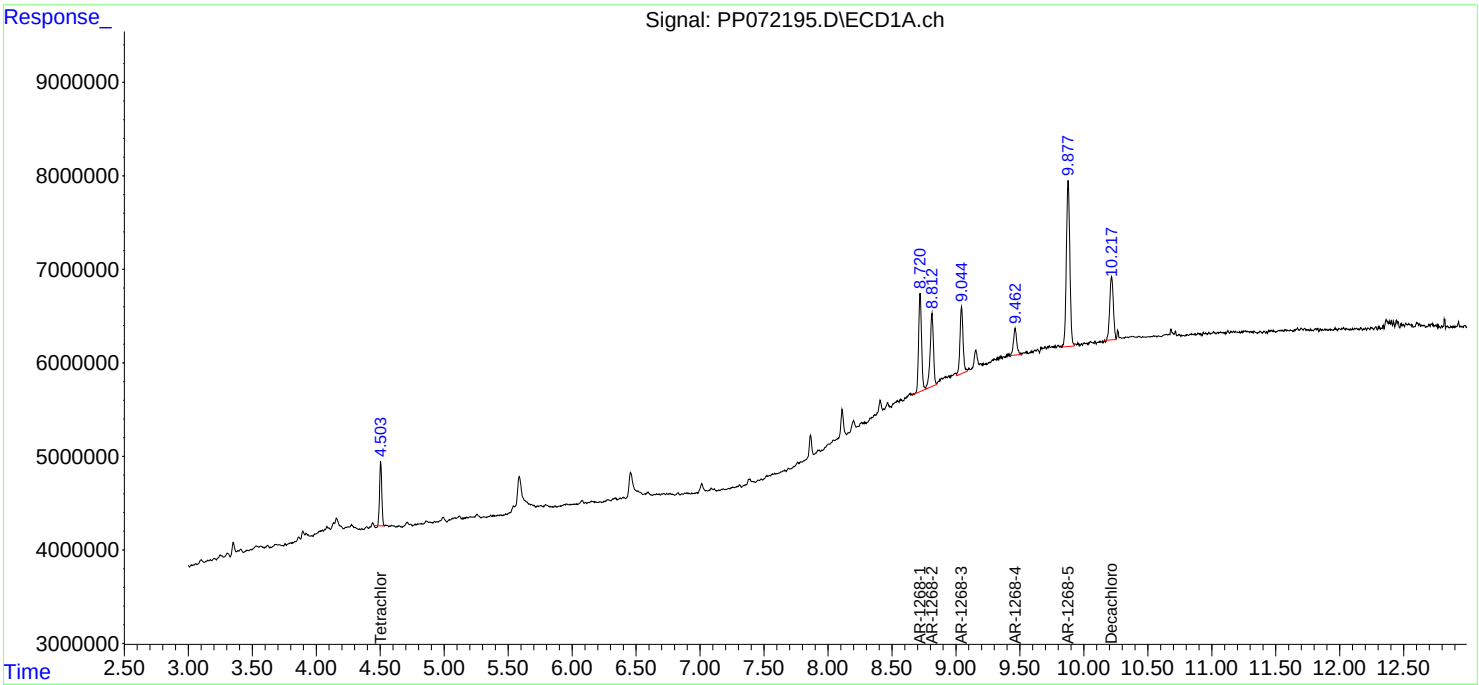
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

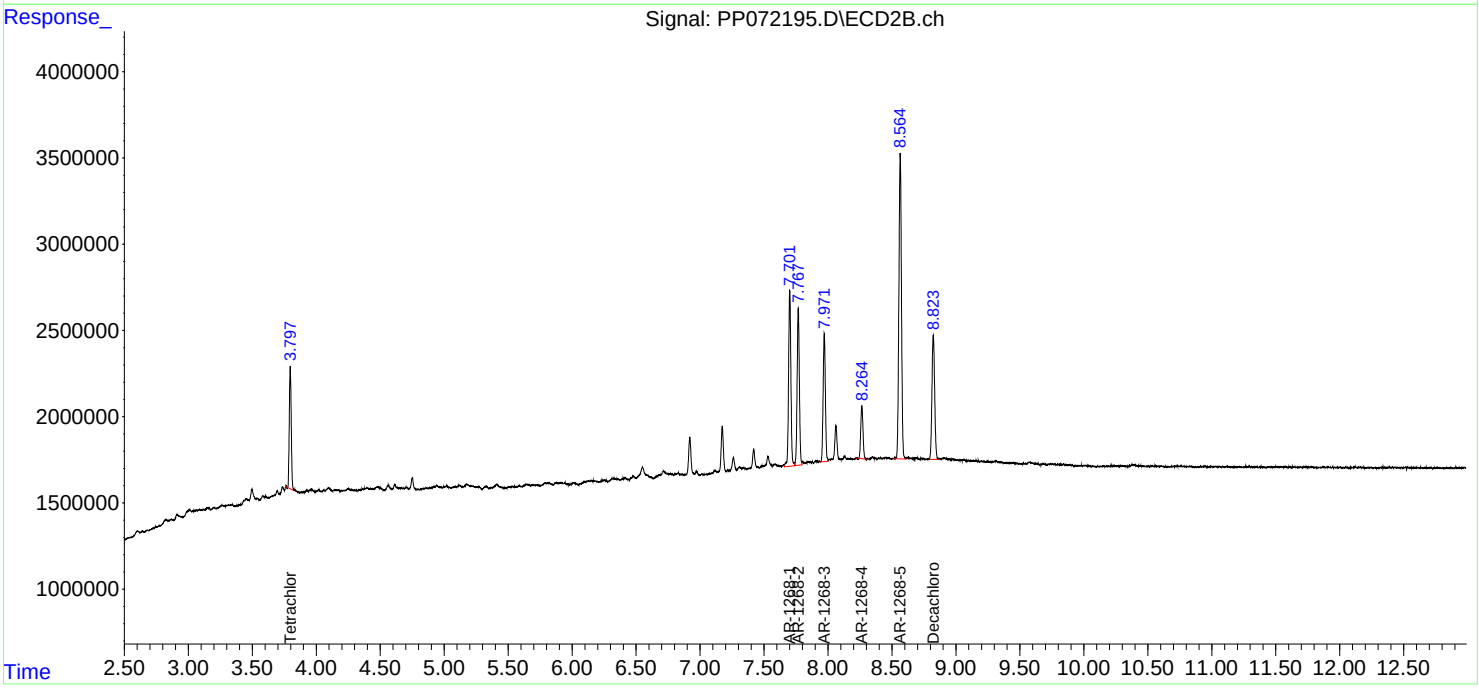
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

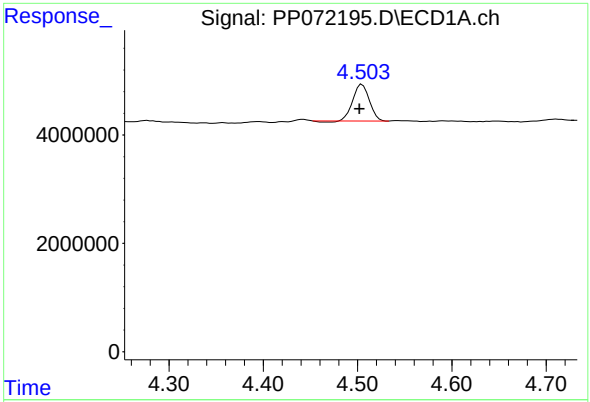
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



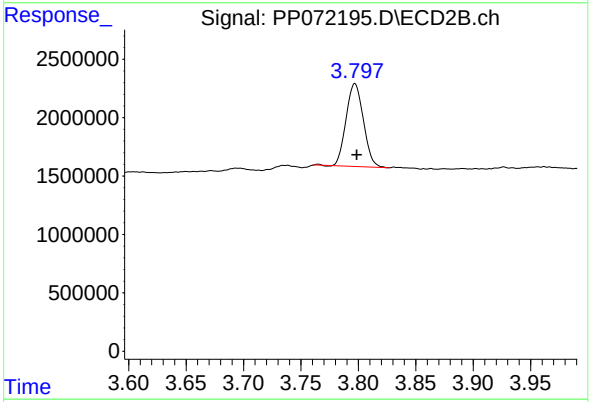




#1 Tetrachloro-m-xylene

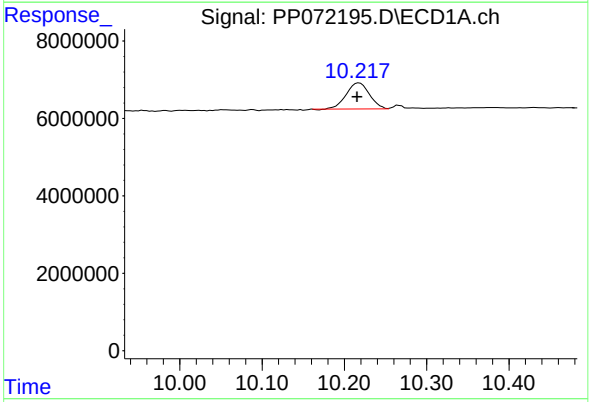
R.T.: 4.505 min
Delta R.T.: 0.003 min
Response: 8181309
Conc: 4.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



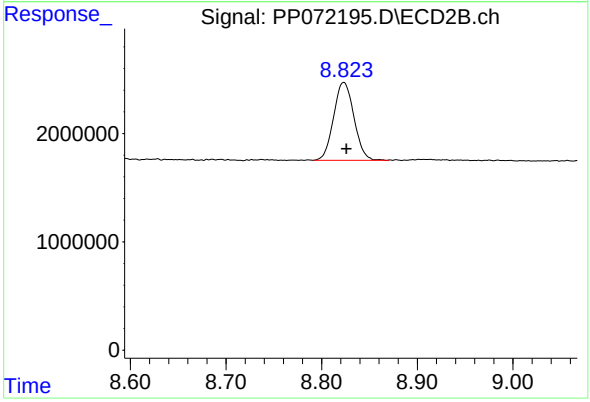
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.002 min
Response: 7491150
Conc: 4.54 ng/ml



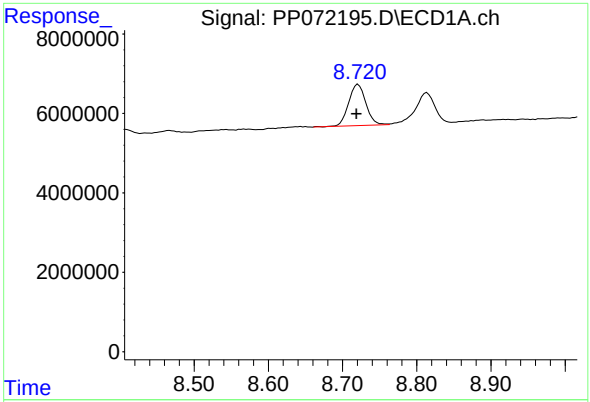
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.003 min
Response: 13183771
Conc: 4.49 ng/ml



#2 Decachlorobiphenyl

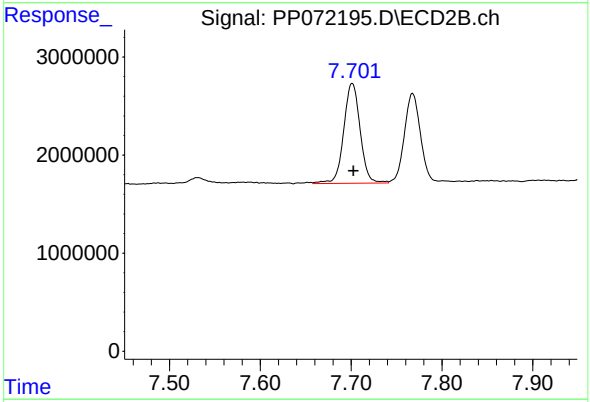
R.T.: 8.823 min
Delta R.T.: -0.003 min
Response: 10651243
Conc: 5.60 ng/ml



#41 AR-1268-1

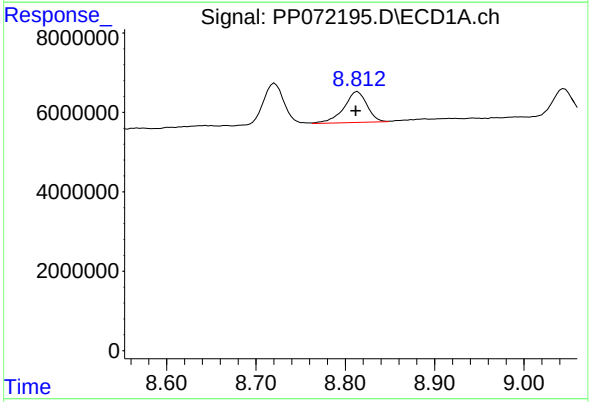
R.T.: 8.721 min
Delta R.T.: 0.003 min
Response: 16756654
Conc: 49.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



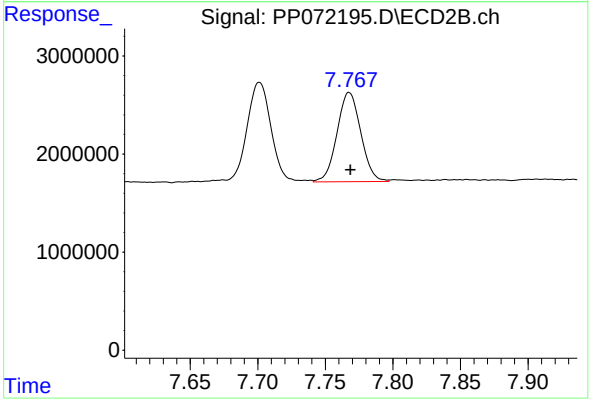
#41 AR-1268-1

R.T.: 7.701 min
Delta R.T.: -0.001 min
Response: 12836464
Conc: 54.44 ng/ml



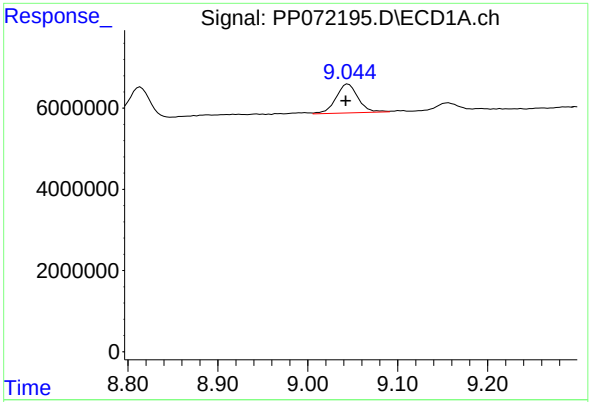
#42 AR-1268-2

R.T.: 8.814 min
Delta R.T.: 0.002 min
Response: 13998978
Conc: 49.08 ng/ml



#42 AR-1268-2

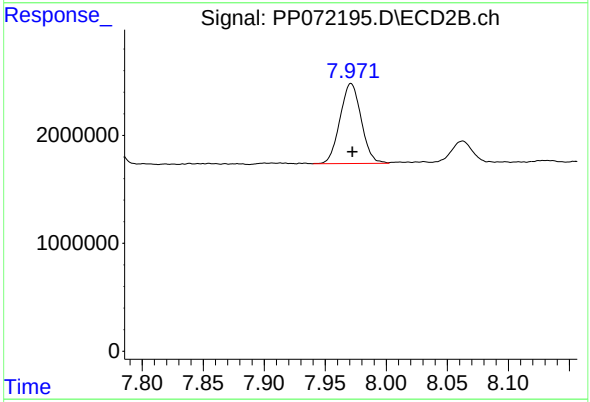
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 11129718
Conc: 53.41 ng/ml



#43 AR-1268-3

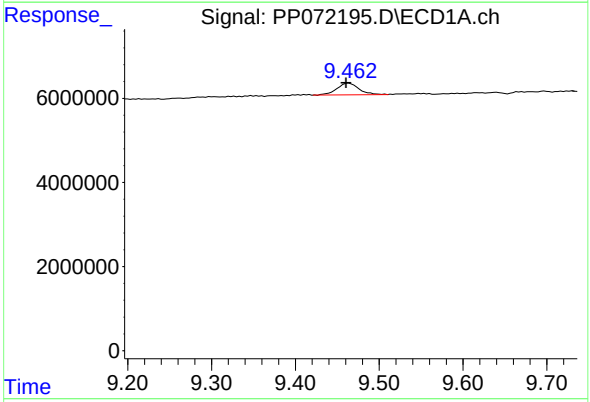
R.T.: 9.045 min
Delta R.T.: 0.003 min
Response: 12064238
Conc: 48.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



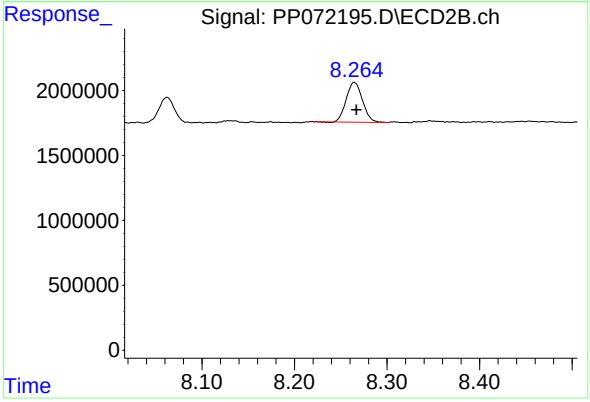
#43 AR-1268-3

R.T.: 7.971 min
Delta R.T.: -0.001 min
Response: 8963951
Conc: 51.32 ng/ml



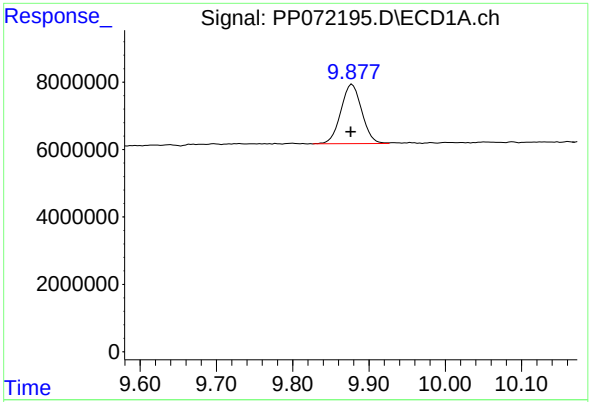
#44 AR-1268-4

R.T.: 9.464 min
Delta R.T.: 0.003 min
Response: 5112737
Conc: 47.35 ng/ml



#44 AR-1268-4

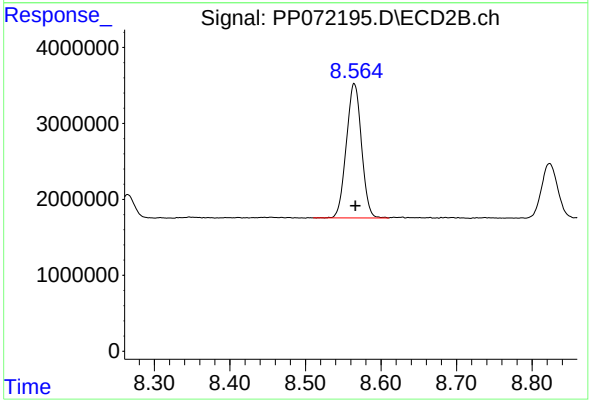
R.T.: 8.265 min
Delta R.T.: -0.002 min
Response: 3748876
Conc: 50.08 ng/ml



#45 AR-1268-5

R.T.: 9.878 min
Delta R.T.: 0.002 min
Response: 33648372
Conc: 48.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 24605969
Conc: 53.84 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 09:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.498	3.793	107.3E6	85407641	53.358	53.435	
2)	SA Decachlor...	10.197	8.807	81077595	57110318	49.768	53.949	
	Target Compounds							
3)	L1 AR-1016-1	5.650	4.874	35056328	31457703	466.897	512.094	
4)	L1 AR-1016-2	5.671	4.892	53500468	46182413	500.043	526.059	
5)	L1 AR-1016-3	5.733	5.068	32853179	25306958	501.078	531.051	
6)	L1 AR-1016-4	5.831	5.110	28088919	20394030	527.293	536.046	
7)	L1 AR-1016-5	6.123	5.324	19937557	26804849	407.644	537.986	#
8)	L2 AR-1221-1	4.696	4.001	3718478	3875339	142.241	144.547	
9)	L2 AR-1221-2	4.786	4.090	5911102	5564689	289.770	270.986	
10)	L2 AR-1221-3	4.860	4.164	20737564	18959050	342.773	321.953	
11)	L3 AR-1232-1	4.860	4.164	20737564	18959050	440.209	437.403	
12)	L3 AR-1232-2	5.385	4.892	25866852	46182413	1110.967	1045.307	
13)	L3 AR-1232-3	5.671	5.068	53500468	25306958	1068.661	1082.276	
14)	L3 AR-1232-4	5.831	5.152	28088919	24201785	1119.123	1168.031	
15)	L3 AR-1232-5	5.920	5.324	21883713	26804849	1249.103	1157.655	
16)	L4 AR-1242-1	5.650	4.874	35056328	31457703	560.029	603.697	
17)	L4 AR-1242-2	5.671	4.892	53500468	46182413	616.508	628.364	
18)	L4 AR-1242-3	5.733	5.068	32853179	25306958	596.616	646.814	
19)	L4 AR-1242-4	5.831	5.152	28088919	24201785	633.360	643.959	
20)	L4 AR-1242-5	6.562	5.675	7897773	26069770	154.904	540.220	#
21)	L5 AR-1248-1	5.650	4.874	35056328	31457703	724.372	726.143	
22)	L5 AR-1248-2	5.920	5.110	21883713	20394030	360.879	361.101	
23)	L5 AR-1248-3	6.139	5.152	14096422	24201785	213.001	409.457	#
24)	L5 AR-1248-4	6.521	5.324	8880856	26804849	101.621	384.835	#
25)	L5 AR-1248-5	6.562	5.716	7897773	7229189	95.124	103.660	
26)	L6 AR-1254-1	6.497	5.675	22834705	26069770	265.510	260.817	
27)	L6 AR-1254-2	6.713	5.823	20750910	18374679	158.795	212.899	#
28)	L6 AR-1254-3	7.077	6.240	12246524	34047179	92.775	264.710	#
29)	L6 AR-1254-4	7.360	6.454	9322485	5388466	71.431	63.173	
30)	L6 AR-1254-5	7.774	6.870	70625995	55704818	634.859	491.434	
31)	L7 AR-1260-1	7.241	6.355	45528091	42895187	486.438	537.846	
32)	L7 AR-1260-2	7.494	6.544	69709217	52531612	485.813	517.950	
33)	L7 AR-1260-3	7.852	6.696	57442944	47186340	504.457	542.981	
34)	L7 AR-1260-4	8.077	7.167	53857489	39446748	501.922	547.180	
35)	L7 AR-1260-5	8.395	7.409	126.4E6	95818612	534.194	551.874	
36)	L8 AR-1262-1	8.077	6.908	53857489	46104645	404.199	407.903	
37)	L8 AR-1262-2	8.395	7.167	126.4E6	39446748	464.135	406.136	
38)	L8 AR-1262-3	8.717	7.689	75761362	24069066	408.352	295.213	#
39)	L8 AR-1262-4	8.781	7.753	47931899	69506631	356.952	494.272	#
40)	L8 AR-1262-5	9.447	8.253	30514452	25275209	330.027	388.349	
41)	L9 AR-1268-1	8.717	7.689	75761362	24069066	227.408	102.764	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 09:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.781	7.753	47931899	69506631	171.193	336.074 #
43) L9	AR-1268-3	9.029	7.957	3421570	1266726	14.170	7.479 #
44) L9	AR-1268-4	9.447	8.253	30514452	25275209	290.757	346.440
45) L9	AR-1268-5	9.860	8.549	9847835	6600763	14.546	14.445

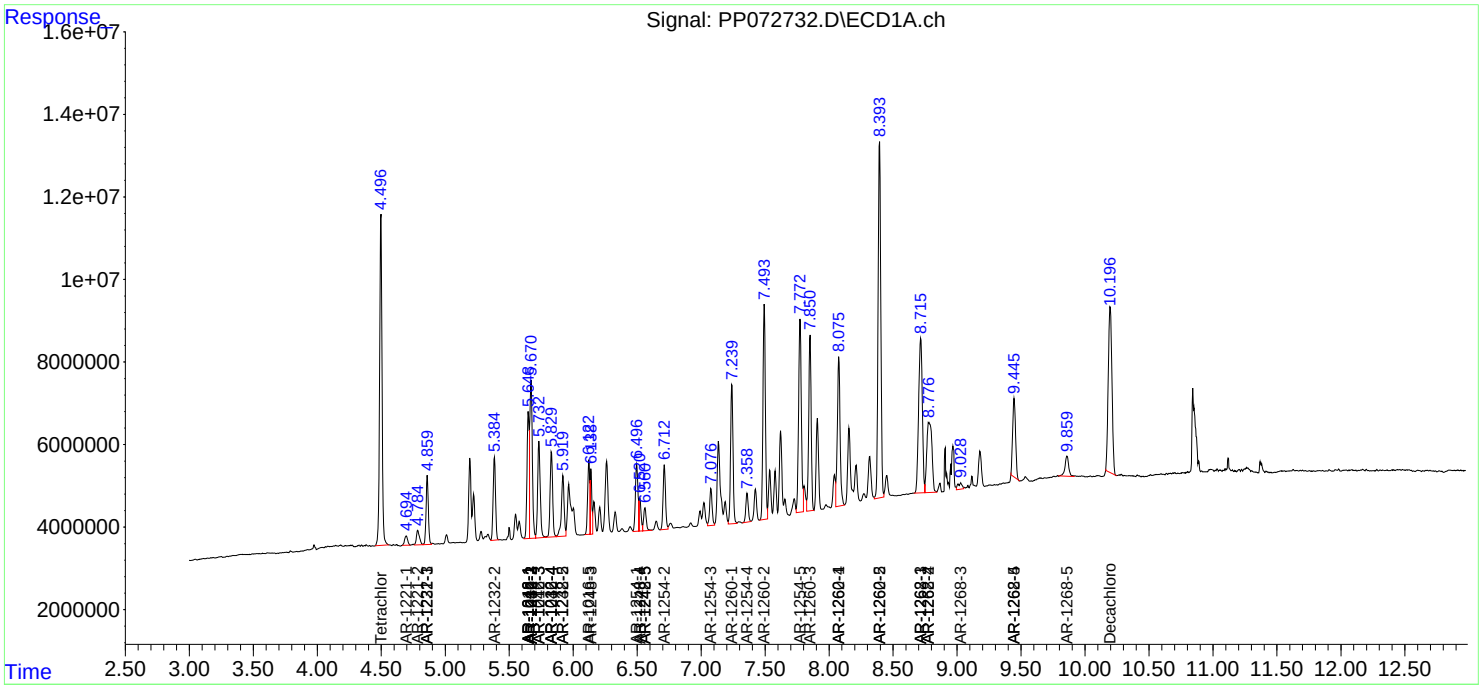
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

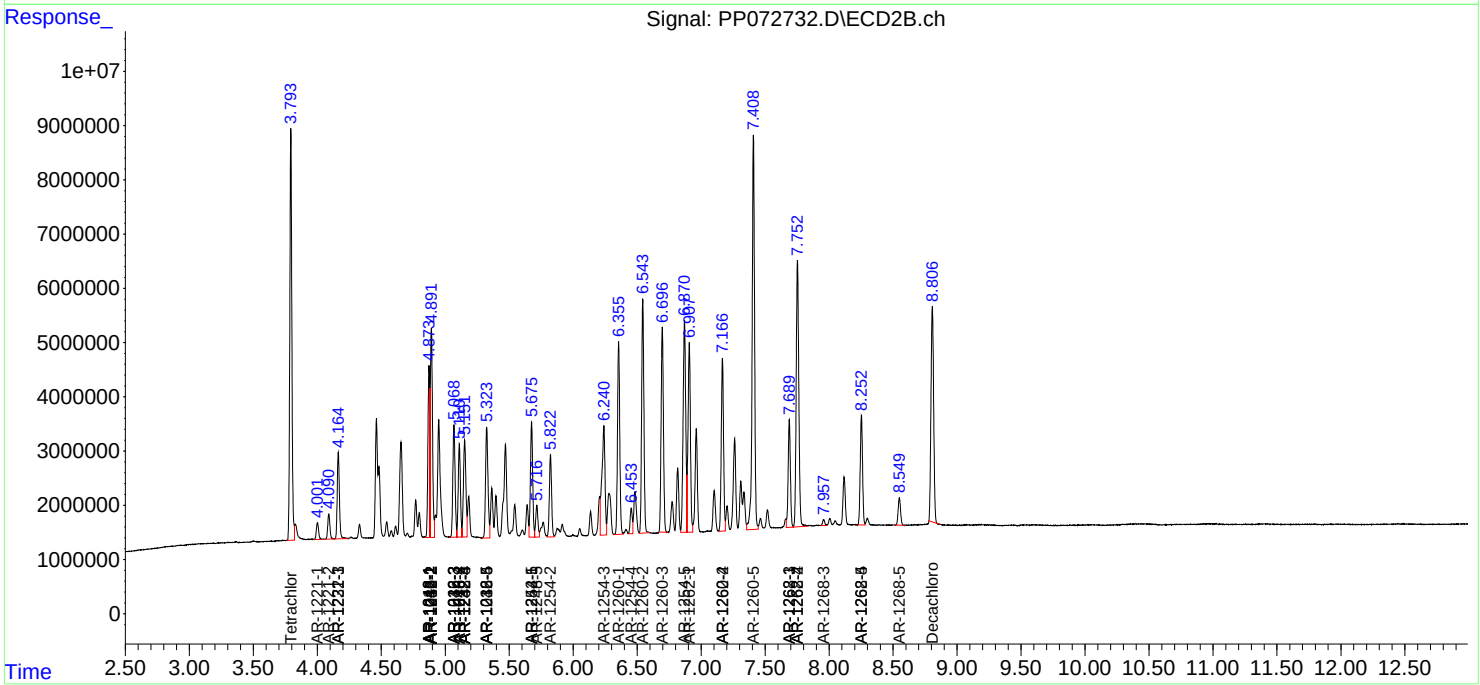
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 09:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

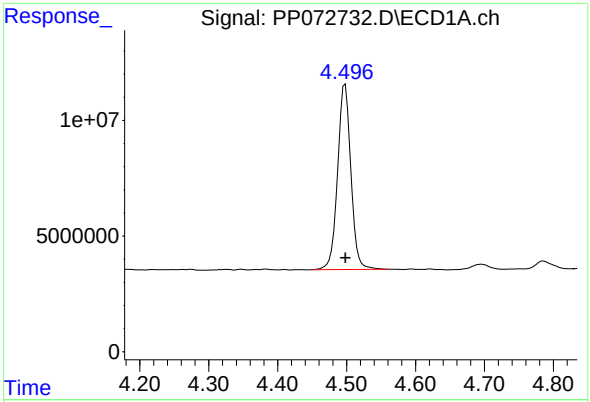
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



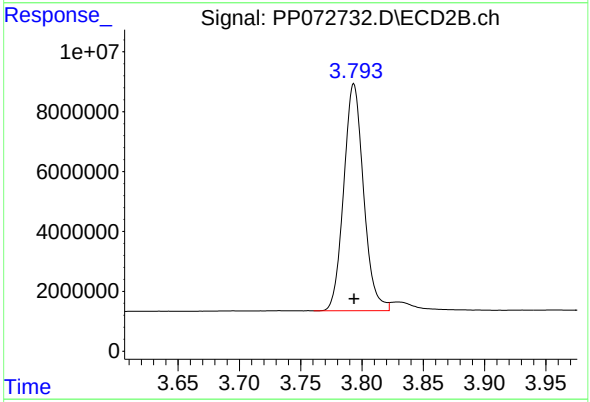




#1 Tetrachloro-m-xylene

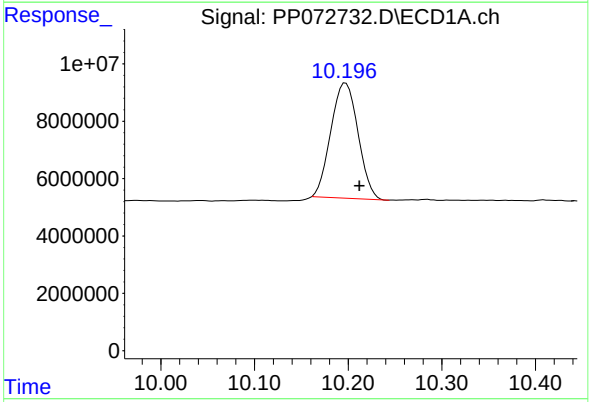
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 107292247
Conc: 53.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



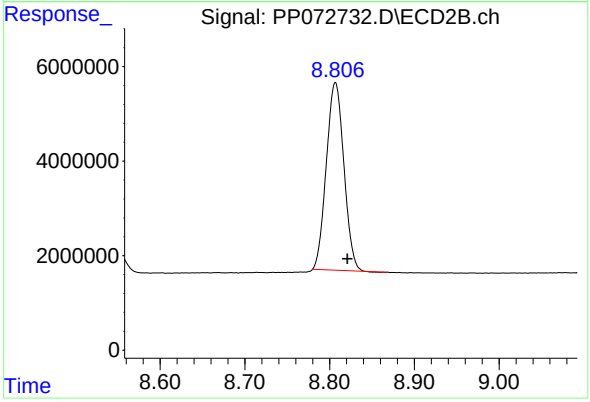
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 85407641
Conc: 53.43 ng/ml



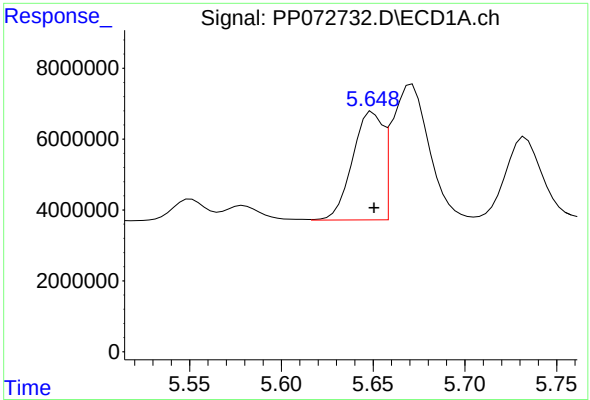
#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: -0.015 min
Response: 81077595
Conc: 49.77 ng/ml



#2 Decachlorobiphenyl

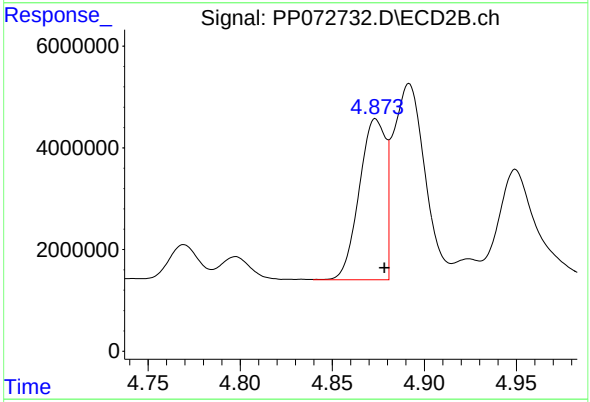
R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 57110318
Conc: 53.95 ng/ml



#3 AR-1016-1

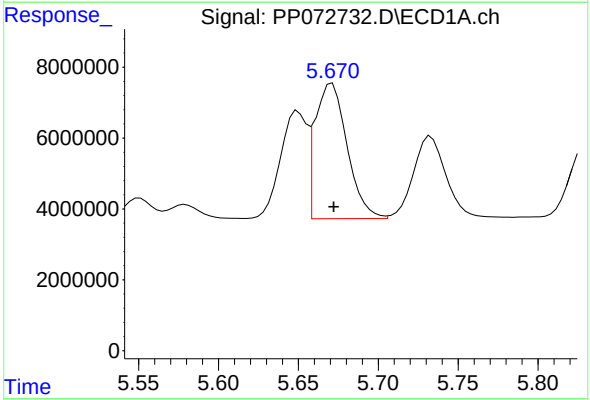
R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 35056328
Conc: 466.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



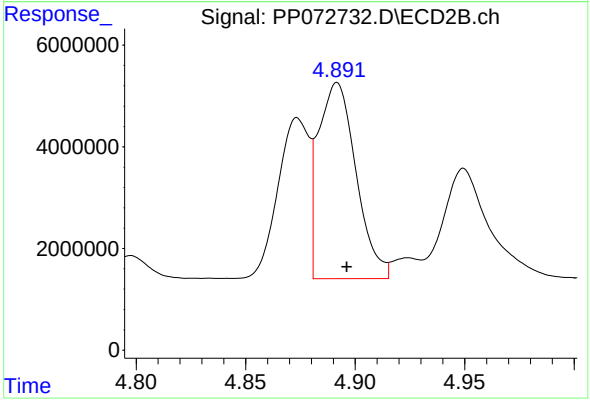
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.005 min
Response: 31457703
Conc: 512.09 ng/ml



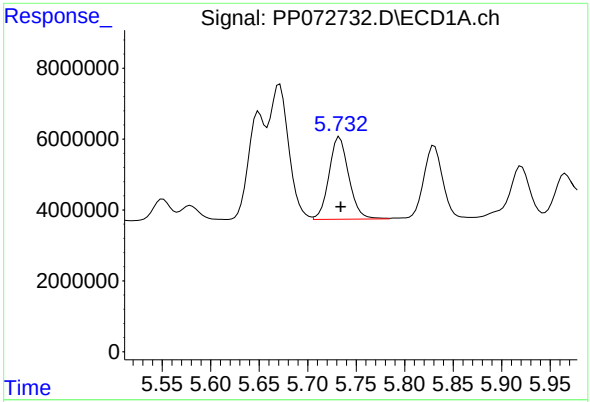
#4 AR-1016-2

R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 53500468
Conc: 500.04 ng/ml



#4 AR-1016-2

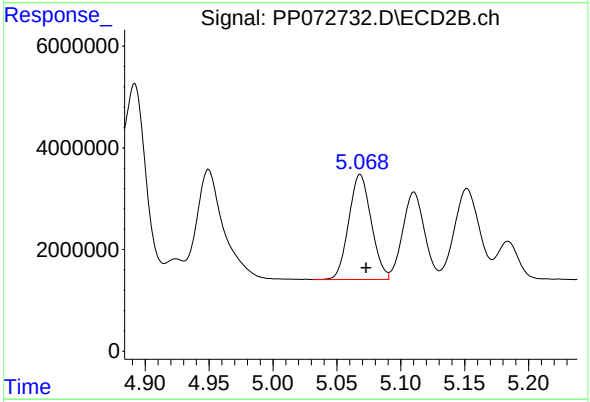
R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 46182413
Conc: 526.06 ng/ml



#5 AR-1016-3

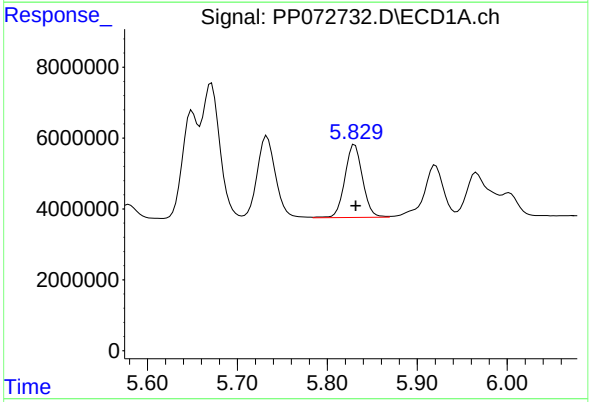
R.T.: 5.733 min
Delta R.T.: 0.000 min
Response: 32853179
Conc: 501.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



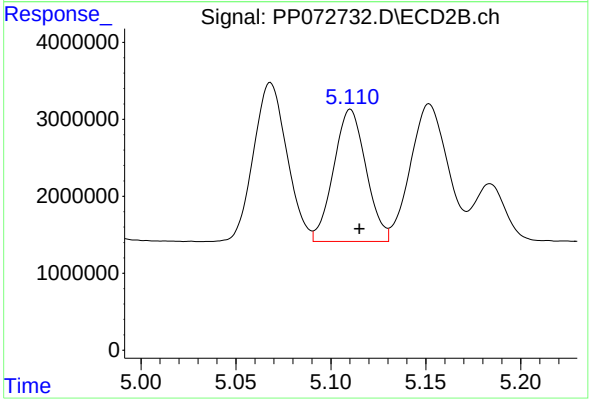
#5 AR-1016-3

R.T.: 5.068 min
Delta R.T.: -0.005 min
Response: 25306958
Conc: 531.05 ng/ml



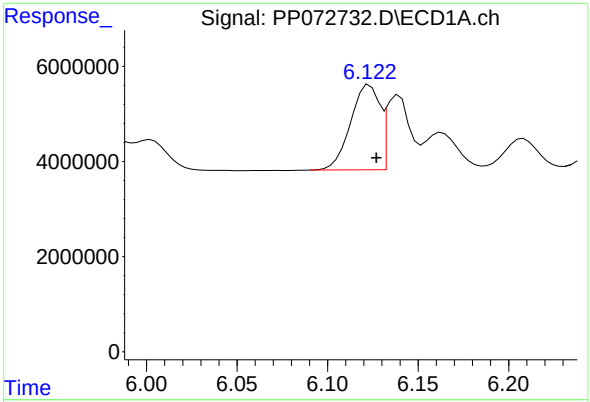
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: -0.001 min
Response: 28088919
Conc: 527.29 ng/ml



#6 AR-1016-4

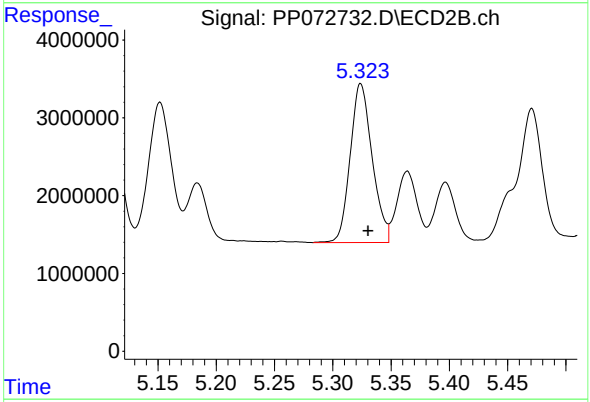
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 20394030
Conc: 536.05 ng/ml



#7 AR-1016-5

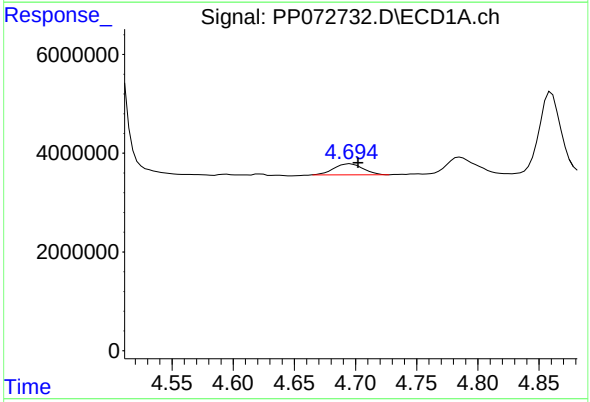
R.T.: 6.123 min
Delta R.T.: -0.004 min
Response: 19937557
Conc: 407.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



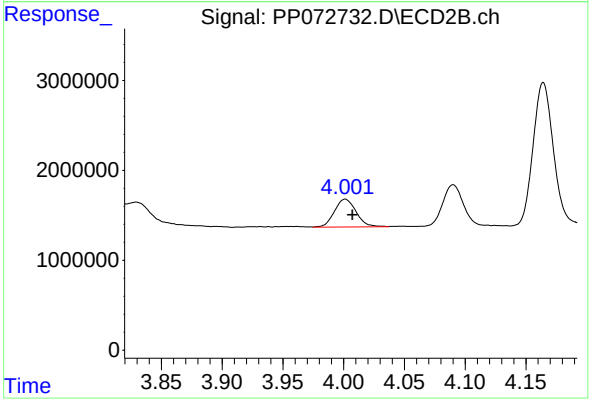
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 26804849
Conc: 537.99 ng/ml



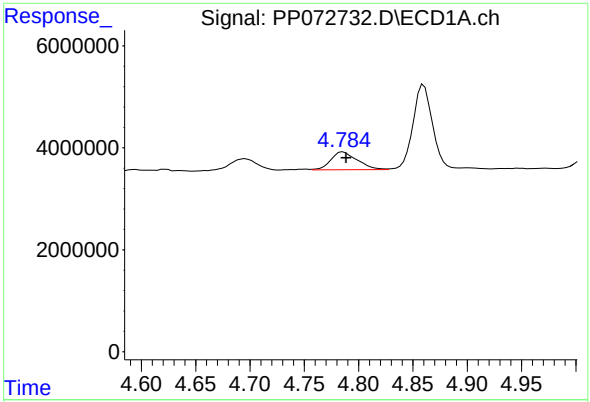
#8 AR-1221-1

R.T.: 4.696 min
Delta R.T.: -0.006 min
Response: 3718478
Conc: 142.24 ng/ml



#8 AR-1221-1

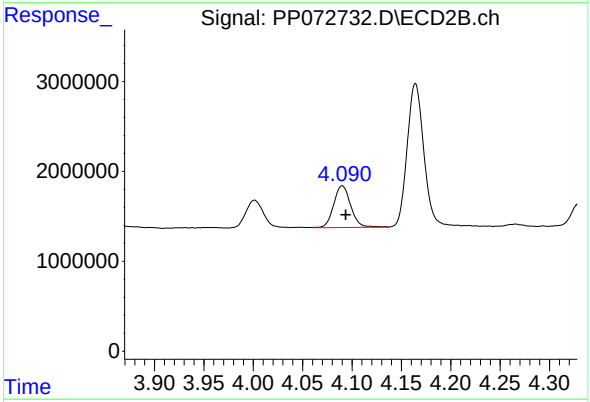
R.T.: 4.001 min
Delta R.T.: -0.006 min
Response: 3875339
Conc: 144.55 ng/ml



#9 AR-1221-2

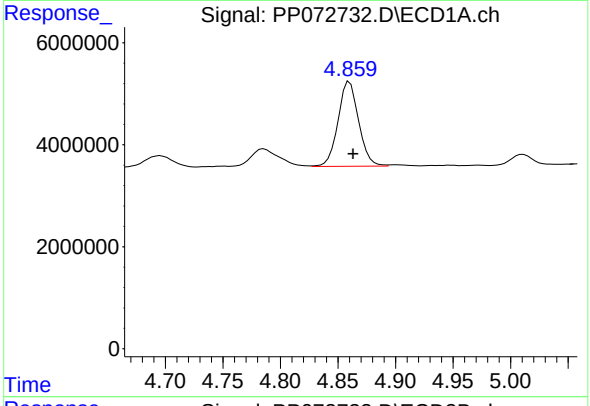
R.T.: 4.786 min
Delta R.T.: -0.003 min
Response: 5911102
Conc: 289.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



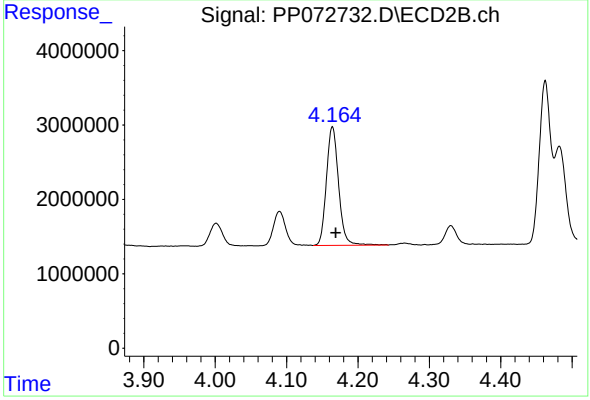
#9 AR-1221-2

R.T.: 4.090 min
Delta R.T.: -0.004 min
Response: 5564689
Conc: 270.99 ng/ml



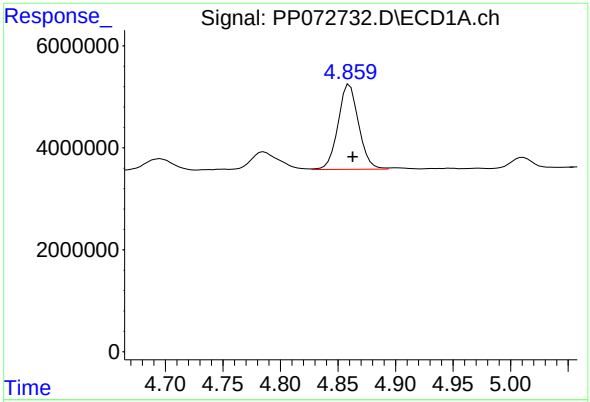
#10 AR-1221-3

R.T.: 4.860 min
Delta R.T.: -0.003 min
Response: 20737564
Conc: 342.77 ng/ml



#10 AR-1221-3

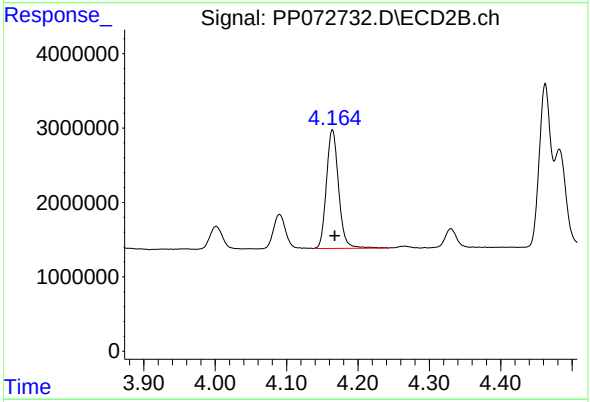
R.T.: 4.164 min
Delta R.T.: -0.005 min
Response: 18959050
Conc: 321.95 ng/ml



#11 AR-1232-1

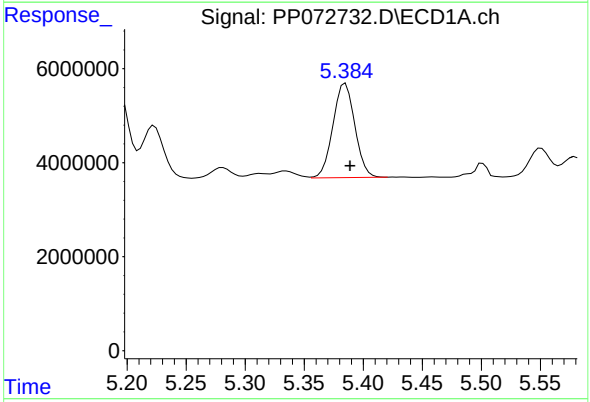
R.T.: 4.860 min
Delta R.T.: -0.003 min
Response: 20737564
Conc: 440.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



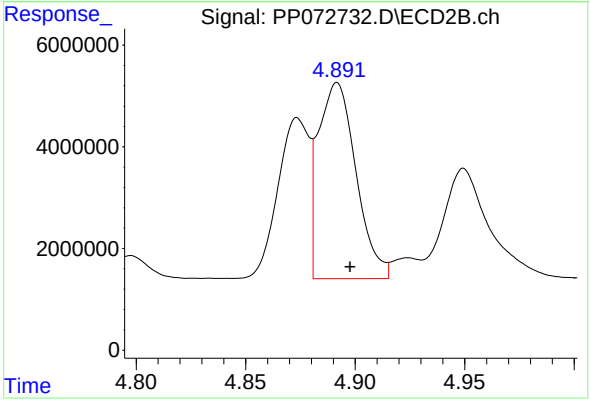
#11 AR-1232-1

R.T.: 4.164 min
Delta R.T.: -0.004 min
Response: 18959050
Conc: 437.40 ng/ml



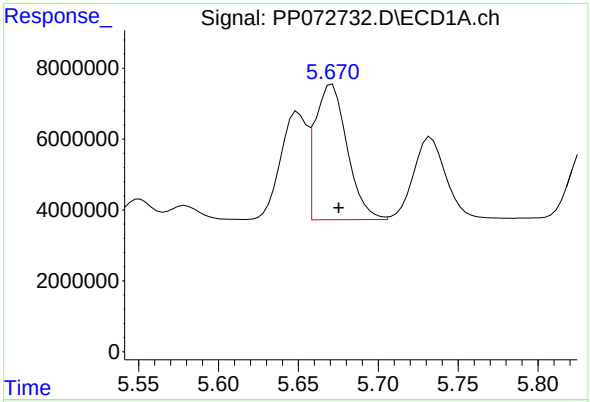
#12 AR-1232-2

R.T.: 5.385 min
Delta R.T.: -0.004 min
Response: 25866852
Conc: 1110.97 ng/ml



#12 AR-1232-2

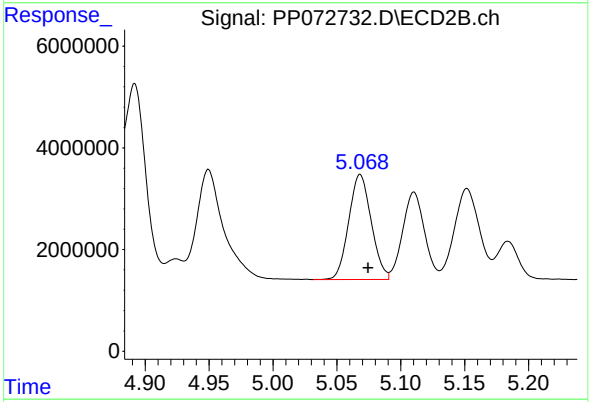
R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 46182413
Conc: 1045.31 ng/ml



#13 AR-1232-3

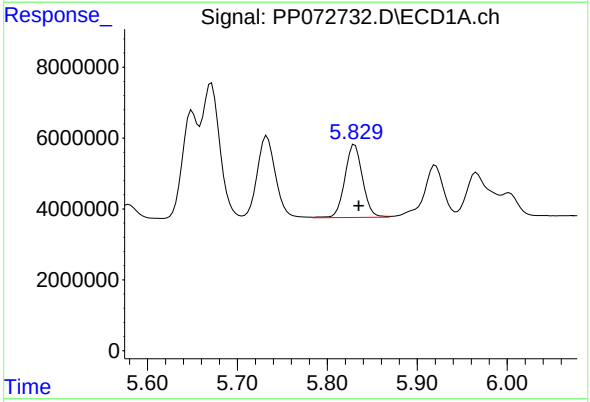
R.T.: 5.671 min
Delta R.T.: -0.004 min
Response: 53500468
Conc: 1068.66 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



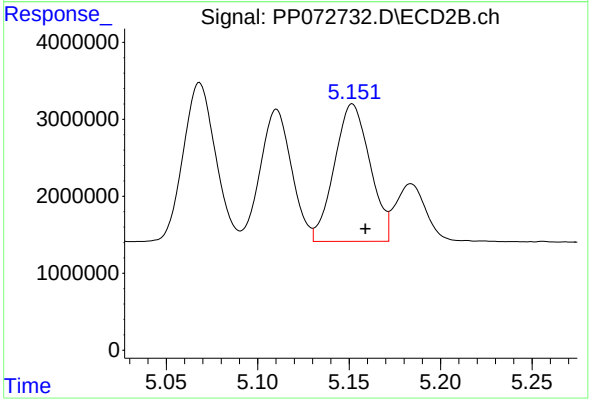
#13 AR-1232-3

R.T.: 5.068 min
Delta R.T.: -0.006 min
Response: 25306958
Conc: 1082.28 ng/ml



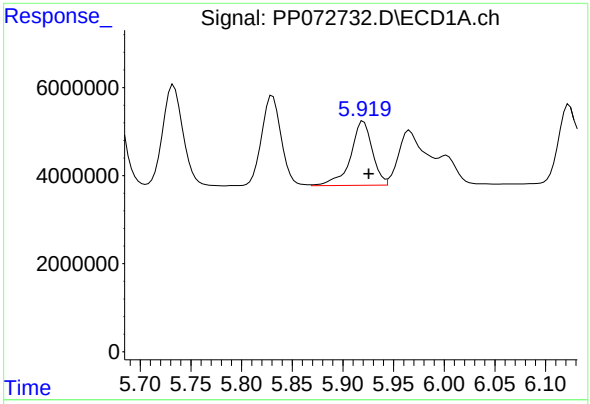
#14 AR-1232-4

R.T.: 5.831 min
Delta R.T.: -0.004 min
Response: 28088919
Conc: 1119.12 ng/ml



#14 AR-1232-4

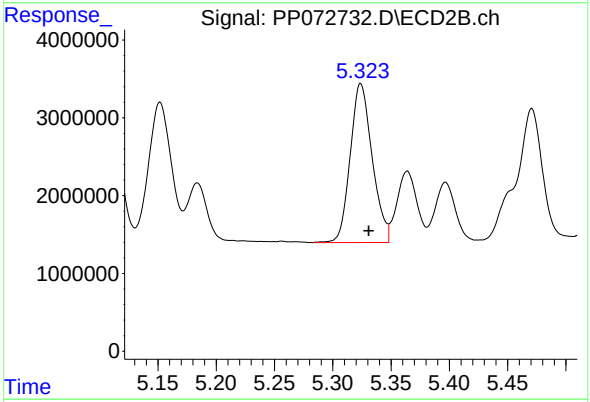
R.T.: 5.152 min
Delta R.T.: -0.007 min
Response: 24201785
Conc: 1168.03 ng/ml



#15 AR-1232-5

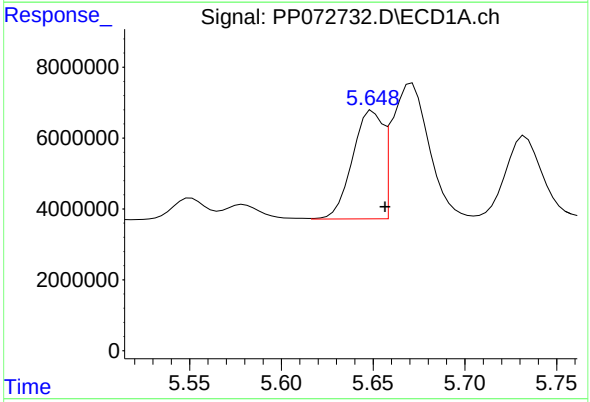
R.T.: 5.920 min
Delta R.T.: -0.005 min
Response: 21883713
Conc: 1249.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



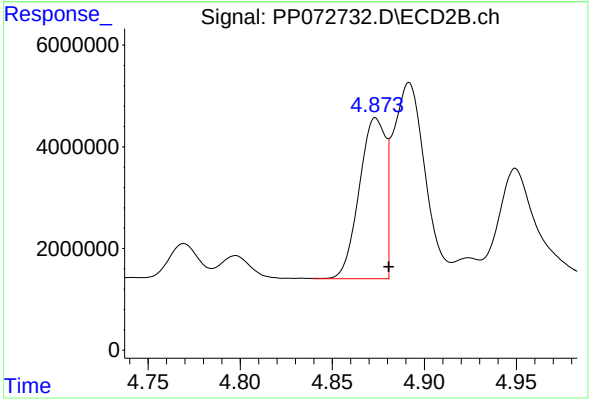
#15 AR-1232-5

R.T.: 5.324 min
Delta R.T.: -0.007 min
Response: 26804849
Conc: 1157.66 ng/ml



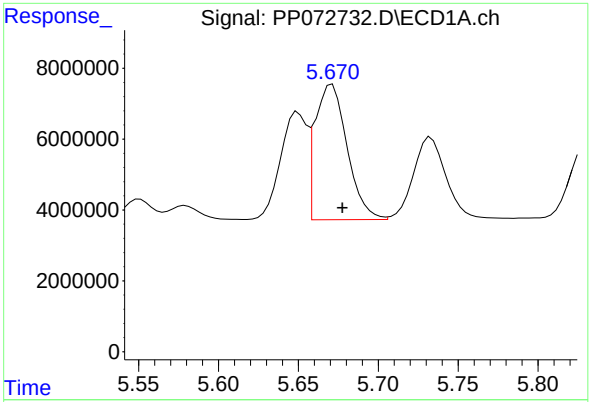
#16 AR-1242-1

R.T.: 5.650 min
Delta R.T.: -0.007 min
Response: 35056328
Conc: 560.03 ng/ml



#16 AR-1242-1

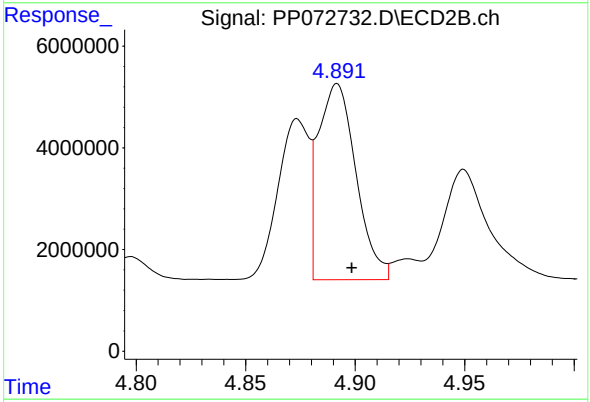
R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 31457703
Conc: 603.70 ng/ml



#17 AR-1242-2

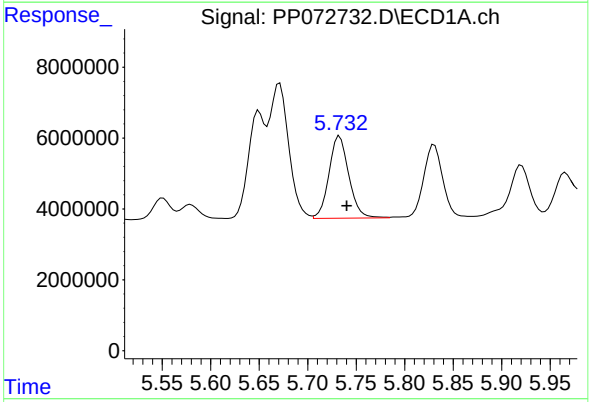
R.T.: 5.671 min
Delta R.T.: -0.006 min
Response: 53500468
Conc: 616.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



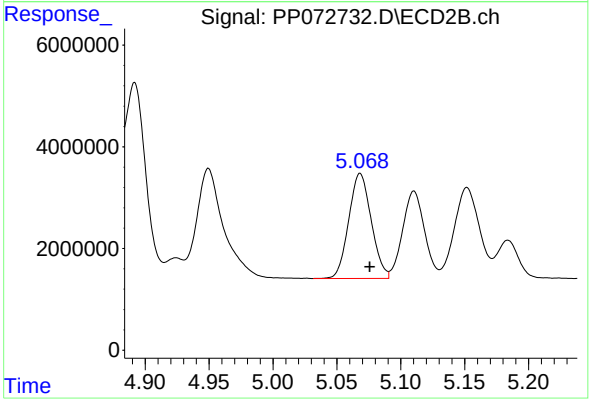
#17 AR-1242-2

R.T.: 4.892 min
Delta R.T.: -0.007 min
Response: 46182413
Conc: 628.36 ng/ml



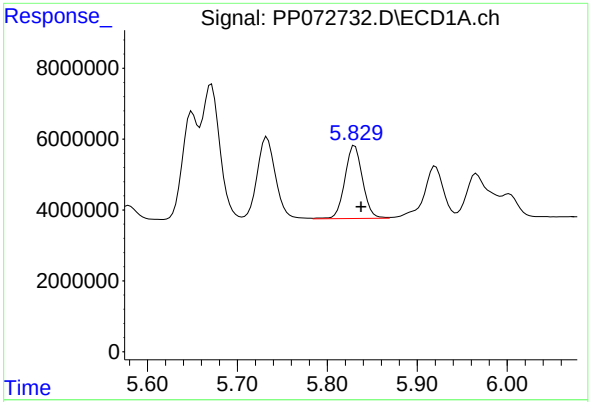
#18 AR-1242-3

R.T.: 5.733 min
Delta R.T.: -0.007 min
Response: 32853179
Conc: 596.62 ng/ml



#18 AR-1242-3

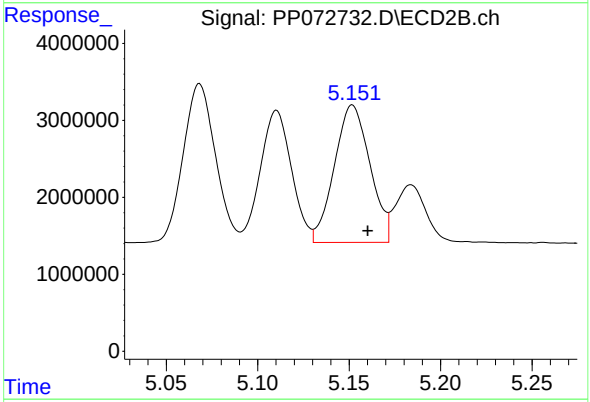
R.T.: 5.068 min
Delta R.T.: -0.007 min
Response: 25306958
Conc: 646.81 ng/ml



#19 AR-1242-4

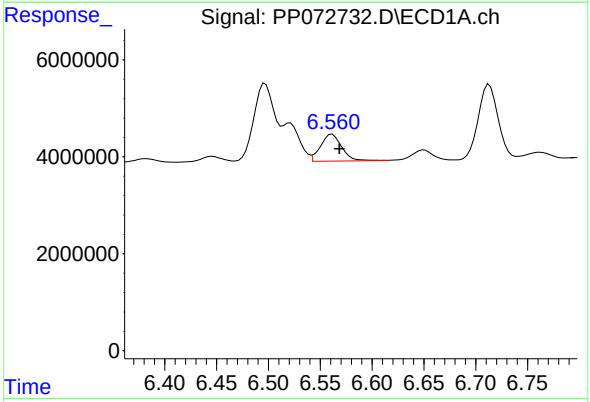
R.T.: 5.831 min
Delta R.T.: -0.007 min
Response: 28088919
Conc: 633.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



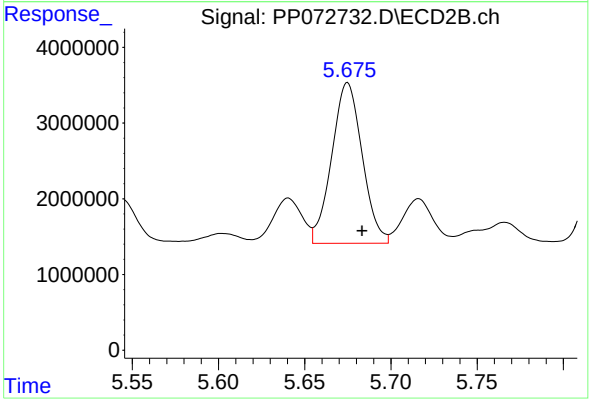
#19 AR-1242-4

R.T.: 5.152 min
Delta R.T.: -0.008 min
Response: 24201785
Conc: 643.96 ng/ml



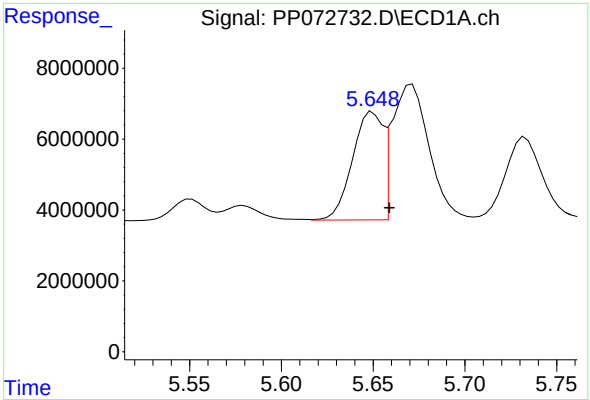
#20 AR-1242-5

R.T.: 6.562 min
Delta R.T.: -0.007 min
Response: 7897773
Conc: 154.90 ng/ml



#20 AR-1242-5

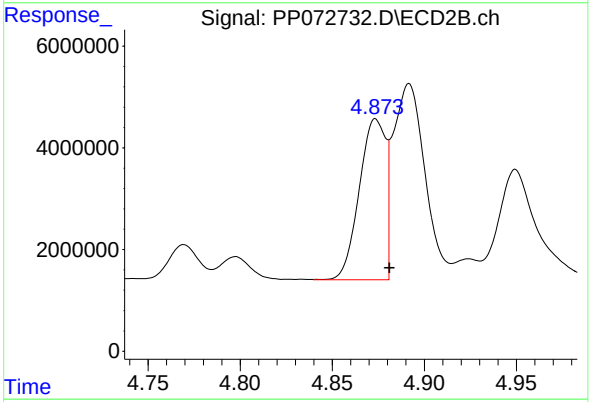
R.T.: 5.675 min
Delta R.T.: -0.008 min
Response: 26069770
Conc: 540.22 ng/ml



#21 AR-1248-1

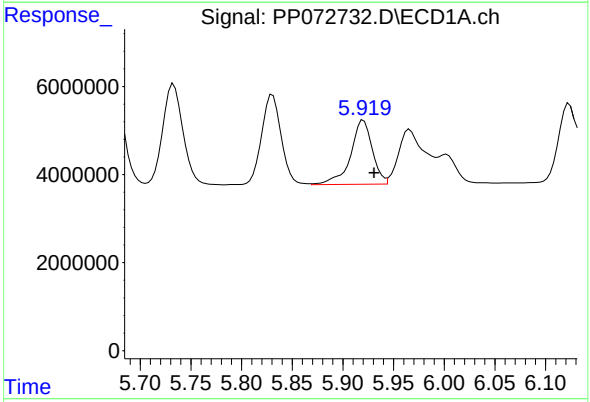
R.T.: 5.650 min
Delta R.T.: -0.009 min
Response: 35056328
Conc: 724.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



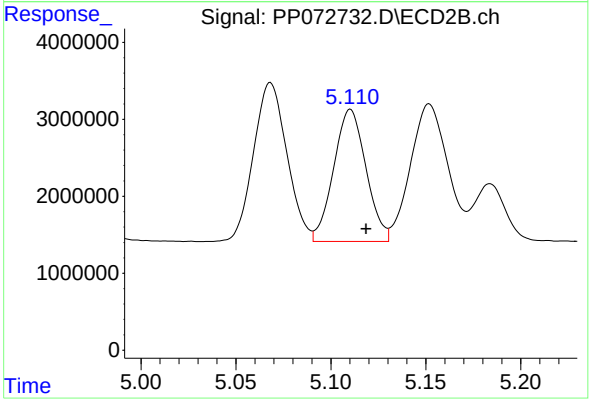
#21 AR-1248-1

R.T.: 4.874 min
Delta R.T.: -0.008 min
Response: 31457703
Conc: 726.14 ng/ml



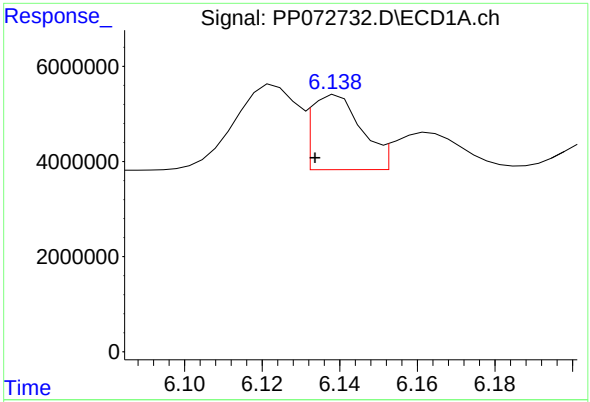
#22 AR-1248-2

R.T.: 5.920 min
Delta R.T.: -0.011 min
Response: 21883713
Conc: 360.88 ng/ml



#22 AR-1248-2

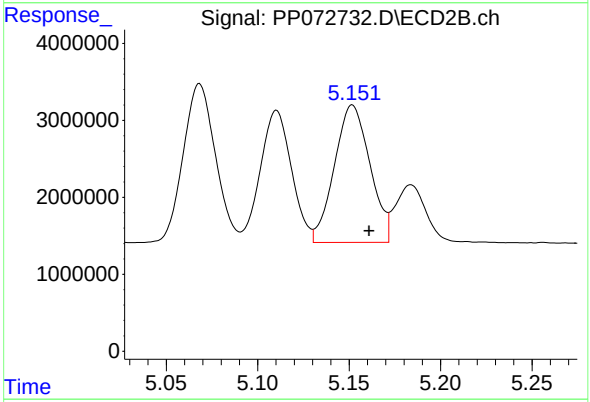
R.T.: 5.110 min
Delta R.T.: -0.008 min
Response: 20394030
Conc: 361.10 ng/ml



#23 AR-1248-3

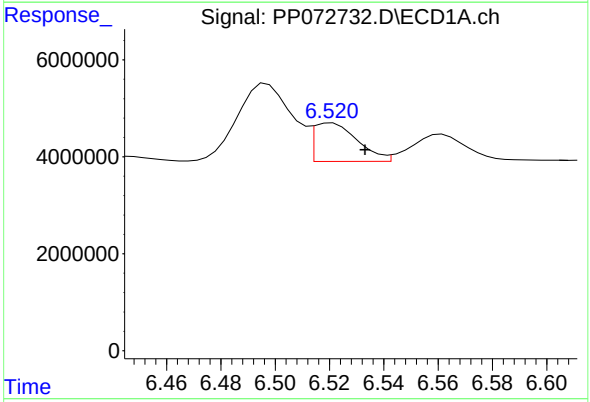
R.T.: 6.139 min
Delta R.T.: 0.006 min
Response: 14096422
Conc: 213.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



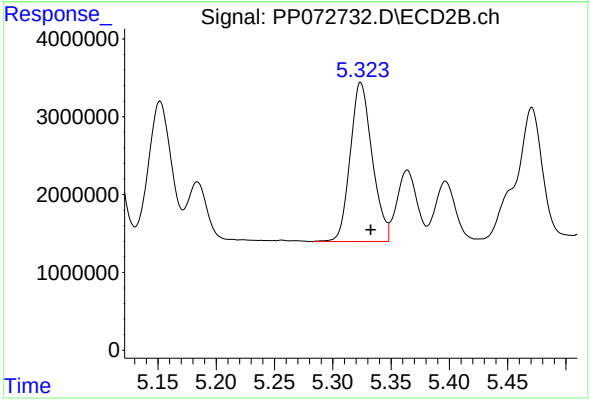
#23 AR-1248-3

R.T.: 5.152 min
Delta R.T.: -0.009 min
Response: 24201785
Conc: 409.46 ng/ml



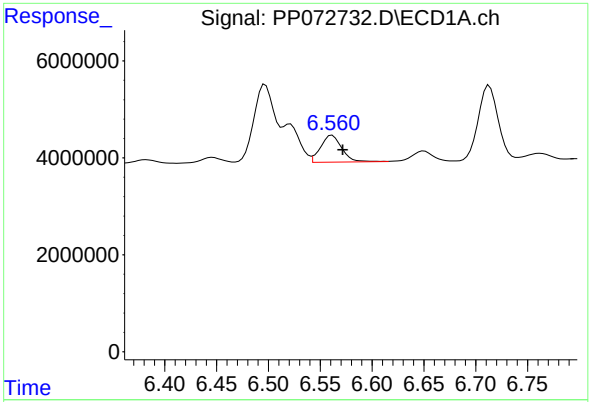
#24 AR-1248-4

R.T.: 6.521 min
Delta R.T.: -0.012 min
Response: 8880856
Conc: 101.62 ng/ml



#24 AR-1248-4

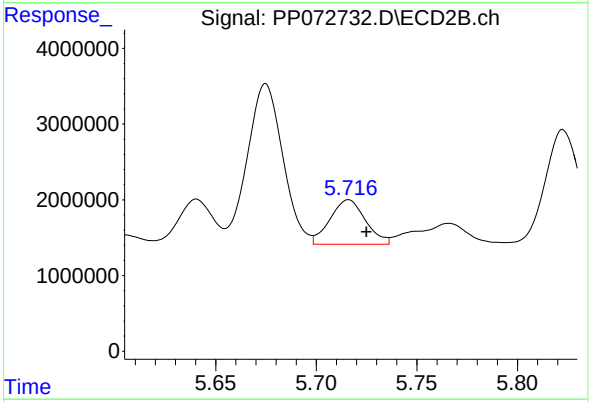
R.T.: 5.324 min
Delta R.T.: -0.009 min
Response: 26804849
Conc: 384.83 ng/ml



#25 AR-1248-5

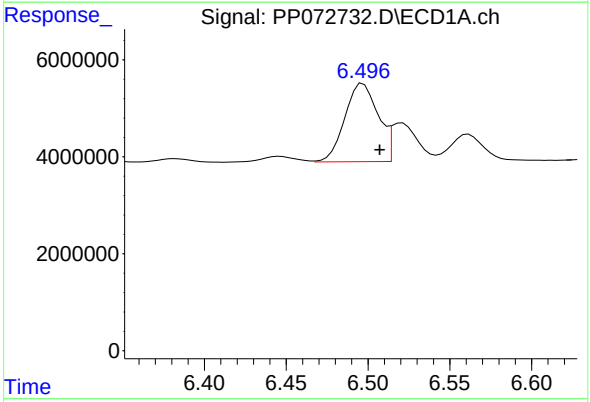
R.T.: 6.562 min
Delta R.T.: -0.010 min
Response: 7897773
Conc: 95.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



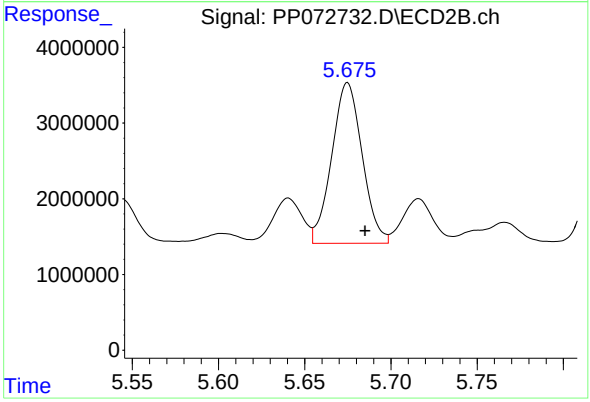
#25 AR-1248-5

R.T.: 5.716 min
Delta R.T.: -0.009 min
Response: 7229189
Conc: 103.66 ng/ml



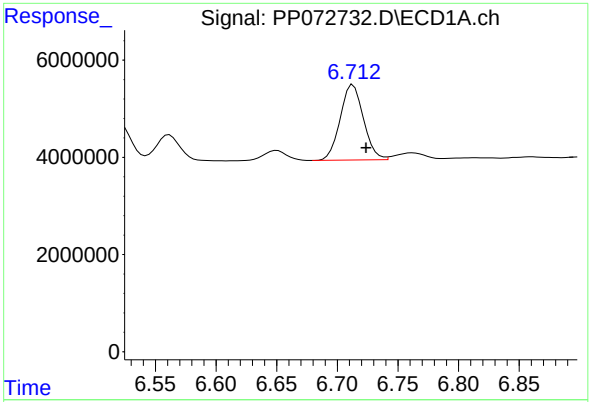
#26 AR-1254-1

R.T.: 6.497 min
Delta R.T.: -0.010 min
Response: 22834705
Conc: 265.51 ng/ml



#26 AR-1254-1

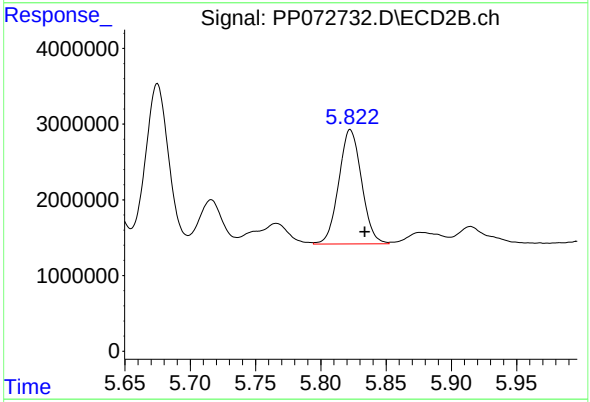
R.T.: 5.675 min
Delta R.T.: -0.010 min
Response: 26069770
Conc: 260.82 ng/ml



#27 AR-1254-2

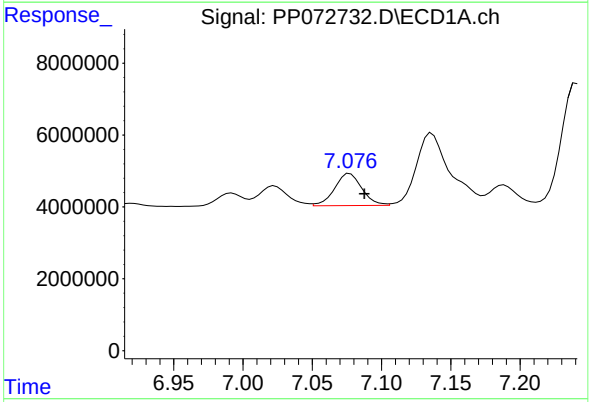
R.T.: 6.713 min
Delta R.T.: -0.010 min
Response: 20750910
Conc: 158.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



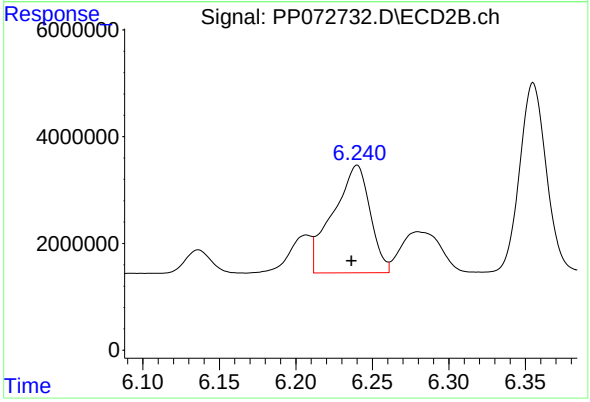
#27 AR-1254-2

R.T.: 5.823 min
Delta R.T.: -0.011 min
Response: 18374679
Conc: 212.90 ng/ml



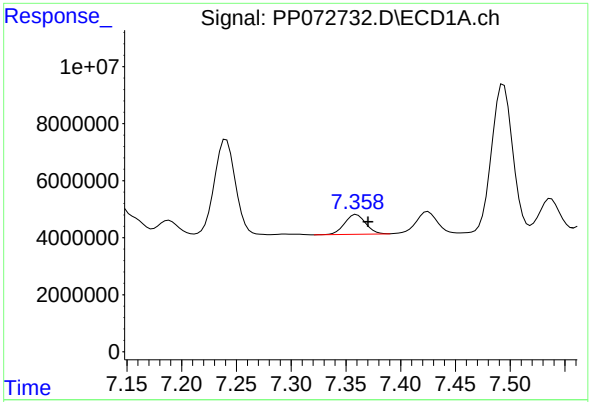
#28 AR-1254-3

R.T.: 7.077 min
Delta R.T.: -0.011 min
Response: 12246524
Conc: 92.77 ng/ml



#28 AR-1254-3

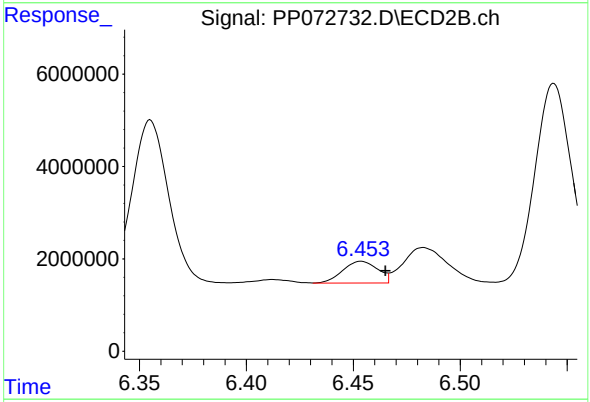
R.T.: 6.240 min
Delta R.T.: 0.004 min
Response: 34047179
Conc: 264.71 ng/ml



#29 AR-1254-4

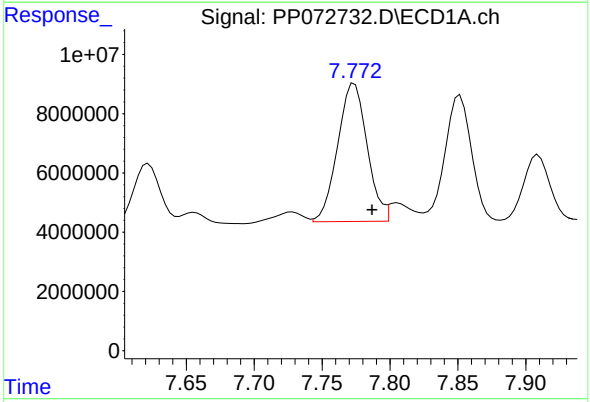
R.T.: 7.360 min
Delta R.T.: -0.010 min
Response: 9322485
Conc: 71.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



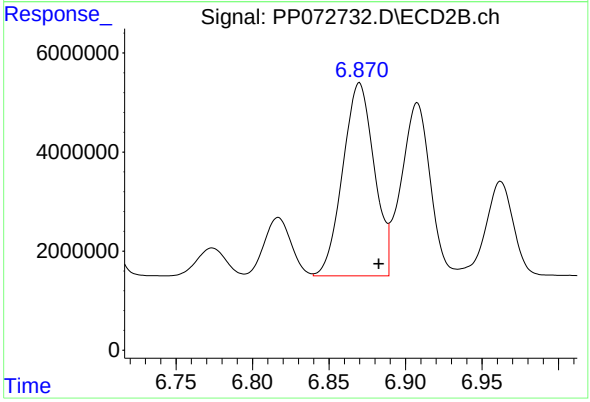
#29 AR-1254-4

R.T.: 6.454 min
Delta R.T.: -0.011 min
Response: 5388466
Conc: 63.17 ng/ml



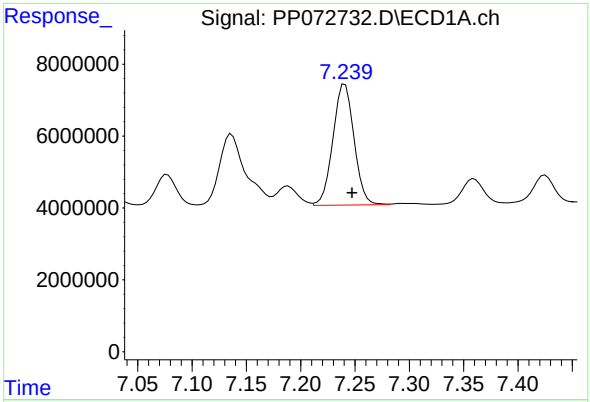
#30 AR-1254-5

R.T.: 7.774 min
Delta R.T.: -0.013 min
Response: 70625995
Conc: 634.86 ng/ml



#30 AR-1254-5

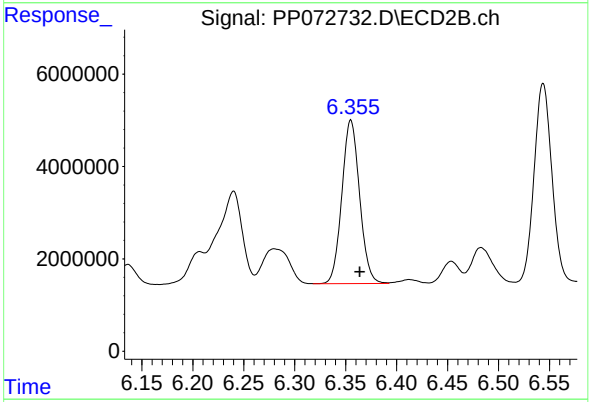
R.T.: 6.870 min
Delta R.T.: -0.013 min
Response: 55704818
Conc: 491.43 ng/ml



#31 AR-1260-1

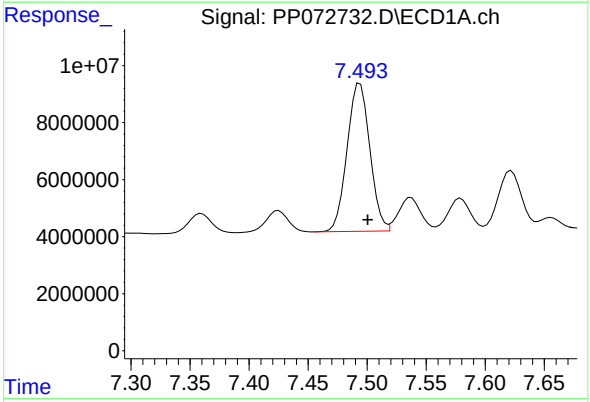
R.T.: 7.241 min
Delta R.T.: -0.006 min
Response: 45528091
Conc: 486.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



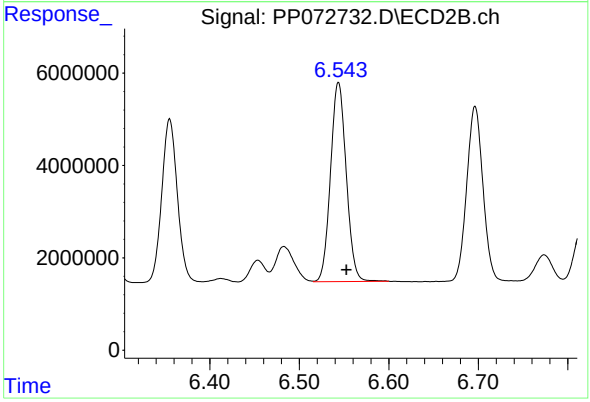
#31 AR-1260-1

R.T.: 6.355 min
Delta R.T.: -0.009 min
Response: 42895187
Conc: 537.85 ng/ml



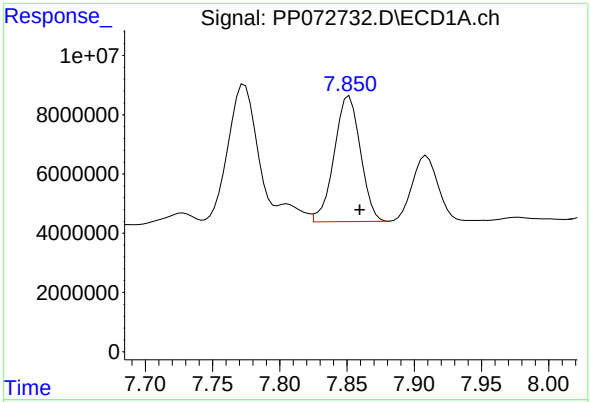
#32 AR-1260-2

R.T.: 7.494 min
Delta R.T.: -0.006 min
Response: 69709217
Conc: 485.81 ng/ml



#32 AR-1260-2

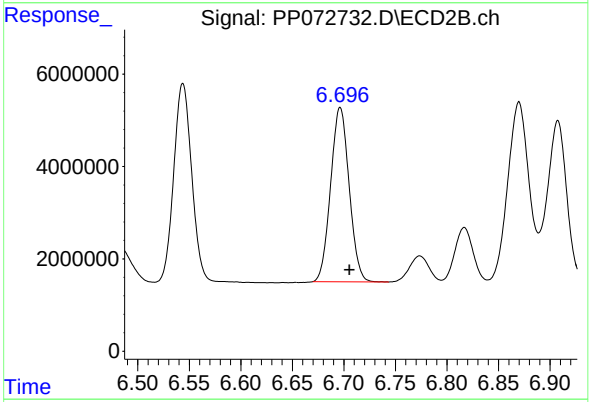
R.T.: 6.544 min
Delta R.T.: -0.009 min
Response: 52531612
Conc: 517.95 ng/ml



#33 AR-1260-3

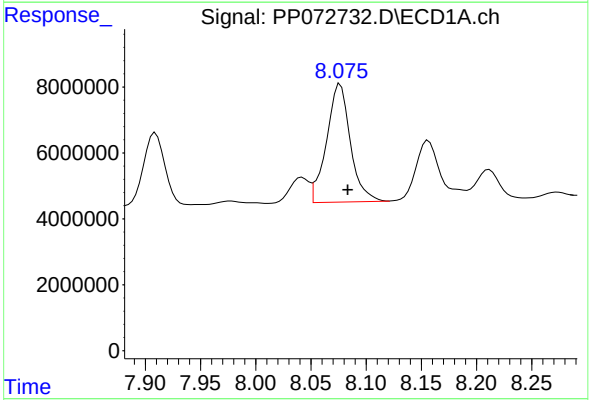
R.T.: 7.852 min
Delta R.T.: -0.008 min
Response: 57442944
Conc: 504.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



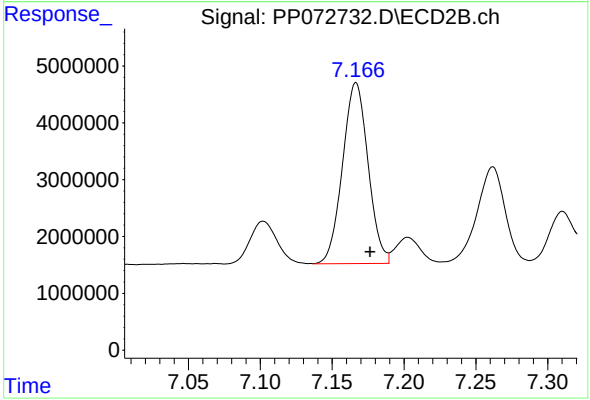
#33 AR-1260-3

R.T.: 6.696 min
Delta R.T.: -0.009 min
Response: 47186340
Conc: 542.98 ng/ml



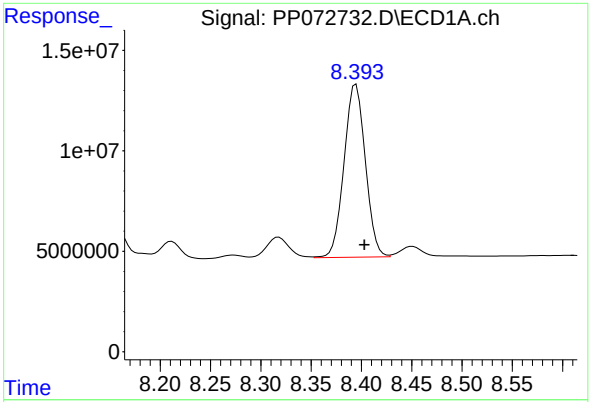
#34 AR-1260-4

R.T.: 8.077 min
Delta R.T.: -0.007 min
Response: 53857489
Conc: 501.92 ng/ml



#34 AR-1260-4

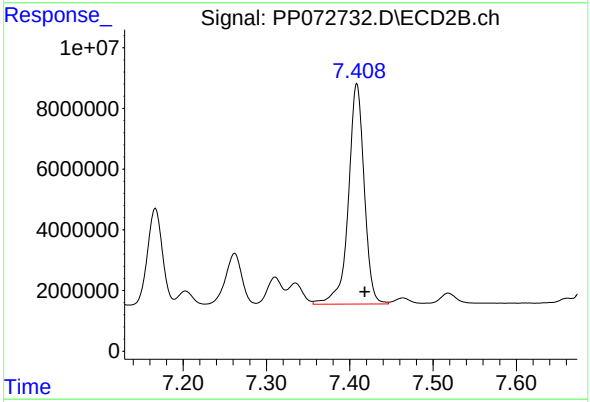
R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 39446748
Conc: 547.18 ng/ml



#35 AR-1260-5

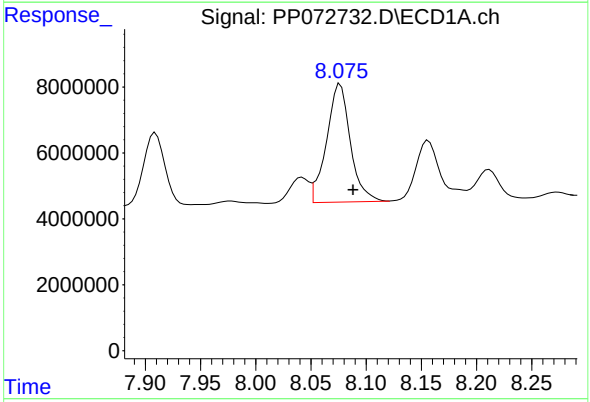
R.T.: 8.395 min
Delta R.T.: -0.008 min
Response: 126423485
Conc: 534.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



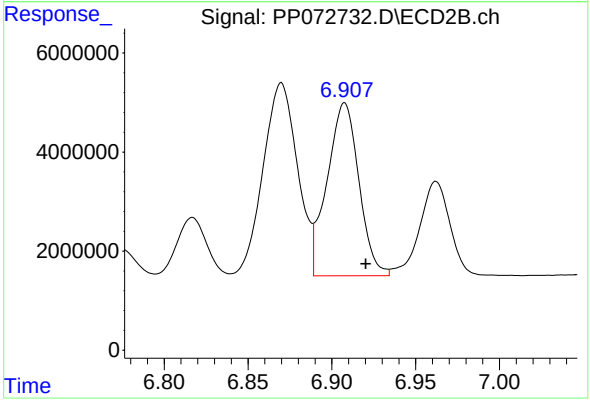
#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 95818612
Conc: 551.87 ng/ml



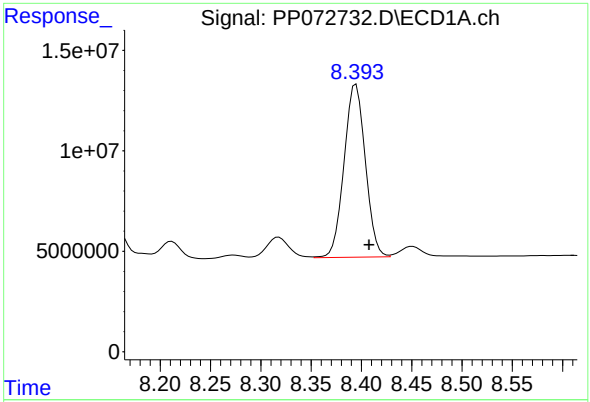
#36 AR-1262-1

R.T.: 8.077 min
Delta R.T.: -0.012 min
Response: 53857489
Conc: 404.20 ng/ml



#36 AR-1262-1

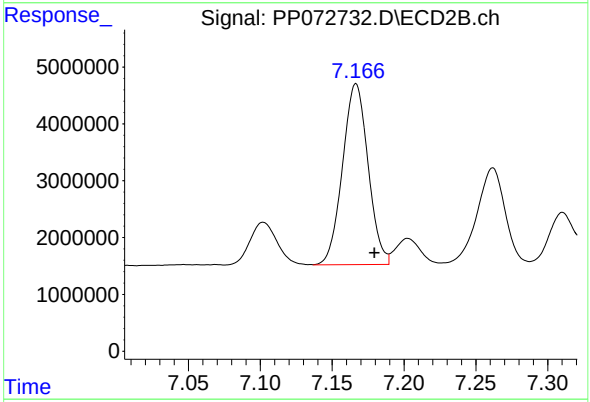
R.T.: 6.908 min
Delta R.T.: -0.012 min
Response: 46104645
Conc: 407.90 ng/ml



#37 AR-1262-2

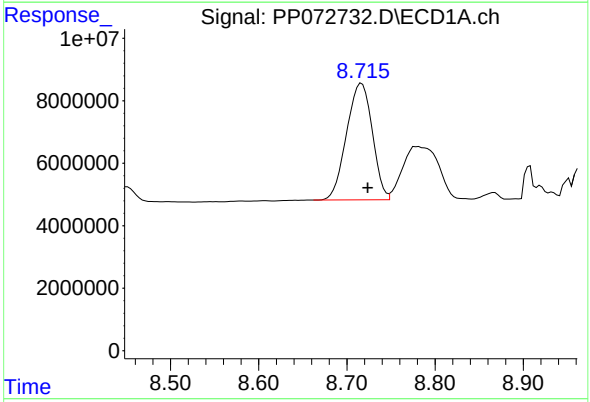
R.T.: 8.395 min
Delta R.T.: -0.013 min
Response: 126423485
Conc: 464.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



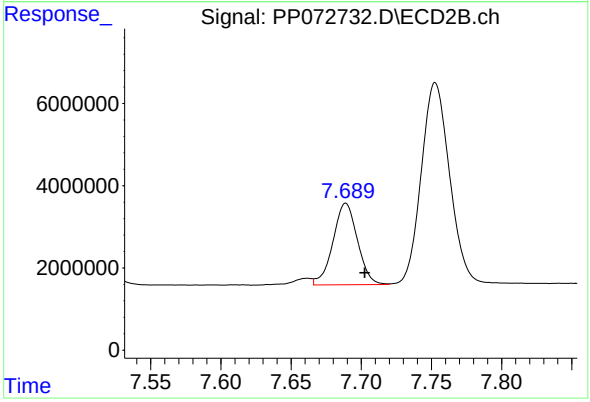
#37 AR-1262-2

R.T.: 7.167 min
Delta R.T.: -0.013 min
Response: 39446748
Conc: 406.14 ng/ml



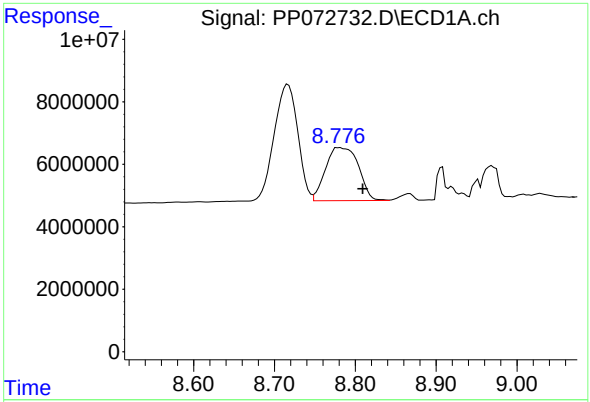
#38 AR-1262-3

R.T.: 8.717 min
Delta R.T.: -0.007 min
Response: 75761362
Conc: 408.35 ng/ml



#38 AR-1262-3

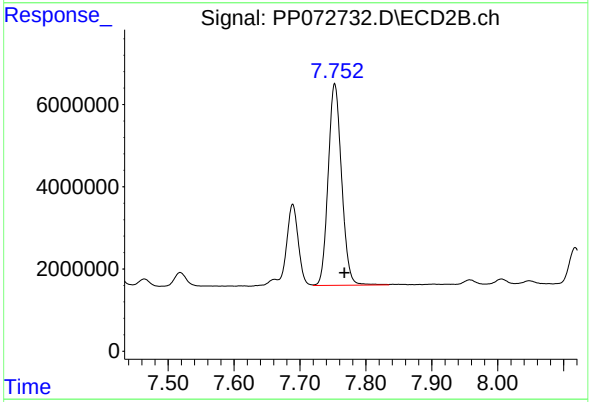
R.T.: 7.689 min
Delta R.T.: -0.014 min
Response: 24069066
Conc: 295.21 ng/ml



#39 AR-1262-4

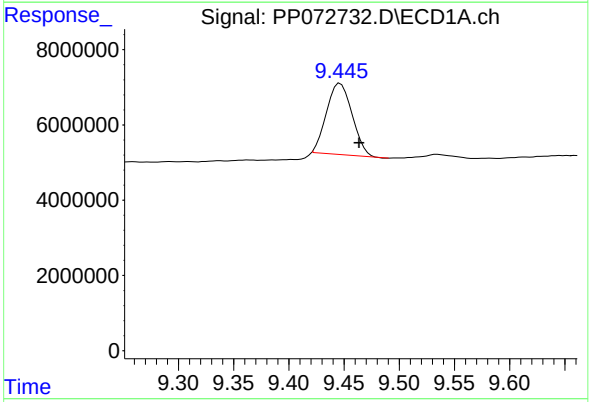
R.T.: 8.781 min
Delta R.T.: -0.029 min
Response: 47931899
Conc: 356.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



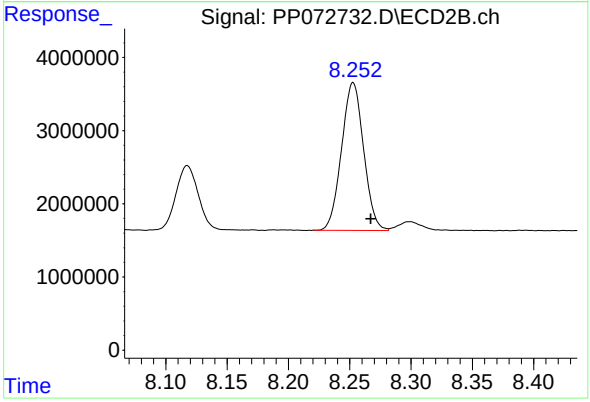
#39 AR-1262-4

R.T.: 7.753 min
Delta R.T.: -0.014 min
Response: 69506631
Conc: 494.27 ng/ml



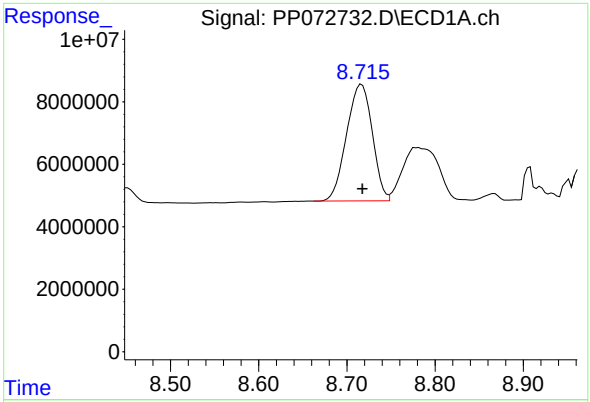
#40 AR-1262-5

R.T.: 9.447 min
Delta R.T.: -0.017 min
Response: 30514452
Conc: 330.03 ng/ml



#40 AR-1262-5

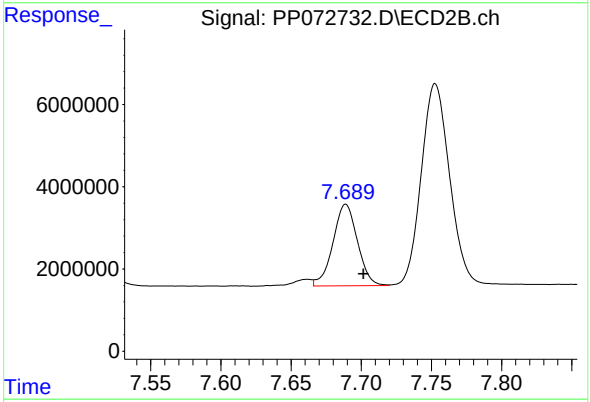
R.T.: 8.253 min
Delta R.T.: -0.014 min
Response: 25275209
Conc: 388.35 ng/ml



#41 AR-1268-1

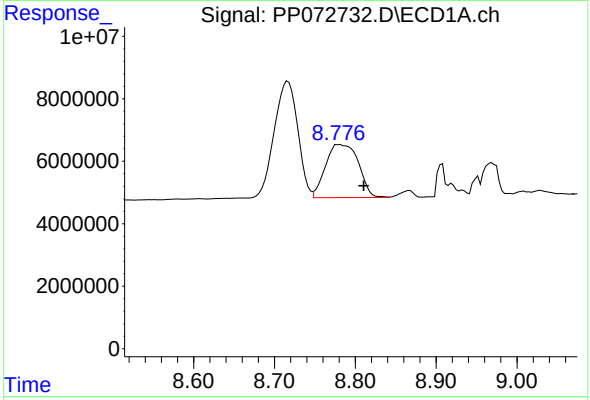
R.T.: 8.717 min
Delta R.T.: 0.000 min
Response: 75761362
Conc: 227.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



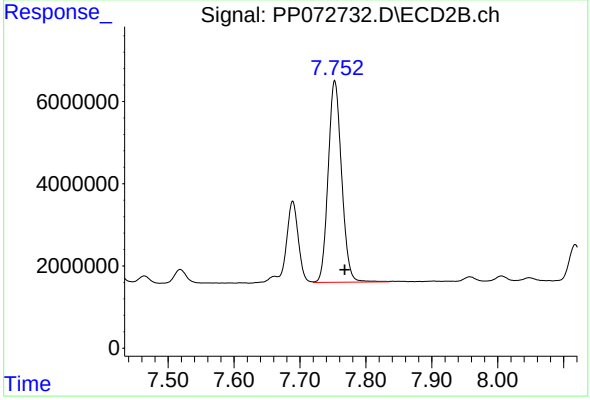
#41 AR-1268-1

R.T.: 7.689 min
Delta R.T.: -0.013 min
Response: 24069066
Conc: 102.76 ng/ml



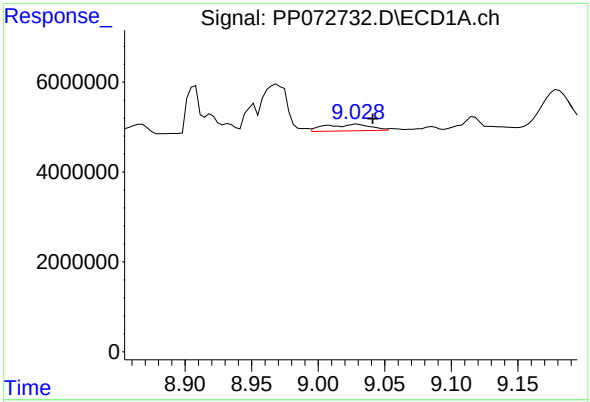
#42 AR-1268-2

R.T.: 8.781 min
Delta R.T.: -0.030 min
Response: 47931899
Conc: 171.19 ng/ml



#42 AR-1268-2

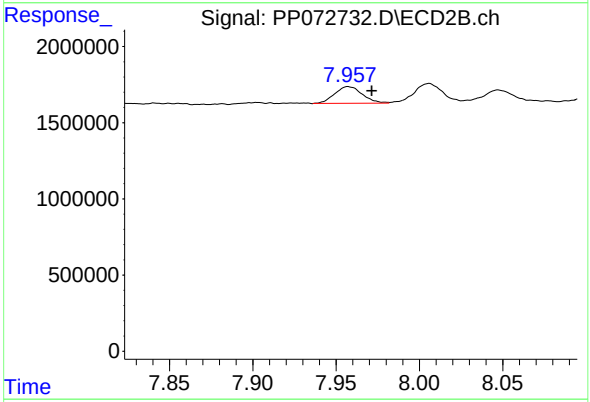
R.T.: 7.753 min
Delta R.T.: -0.015 min
Response: 69506631
Conc: 336.07 ng/ml



#43 AR-1268-3

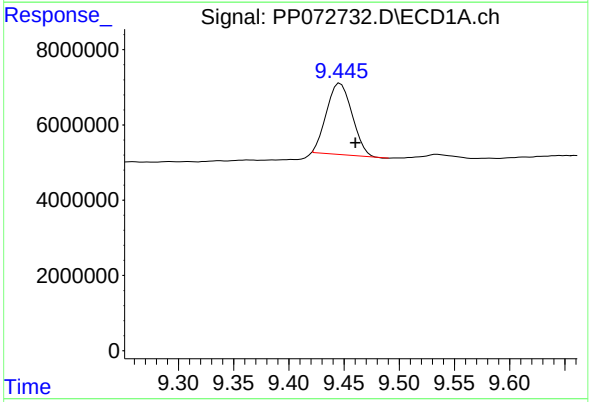
R.T.: 9.029 min
Delta R.T.: -0.011 min
Response: 3421570
Conc: 14.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



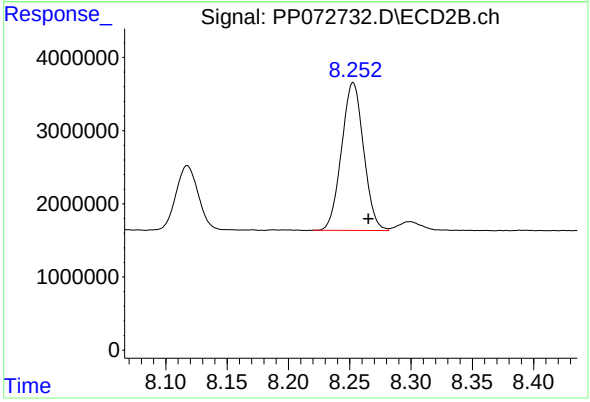
#43 AR-1268-3

R.T.: 7.957 min
Delta R.T.: -0.014 min
Response: 1266726
Conc: 7.48 ng/ml



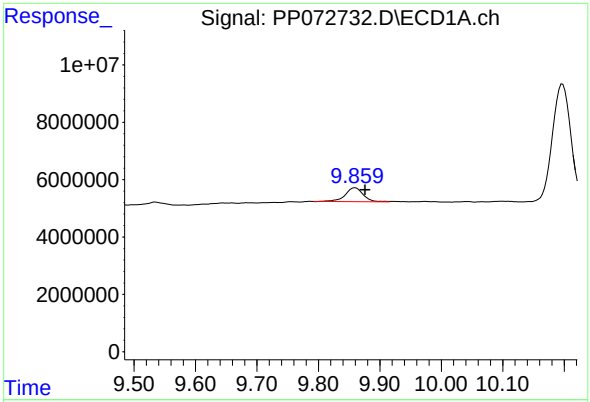
#44 AR-1268-4

R.T.: 9.447 min
Delta R.T.: -0.014 min
Response: 30514452
Conc: 290.76 ng/ml



#44 AR-1268-4

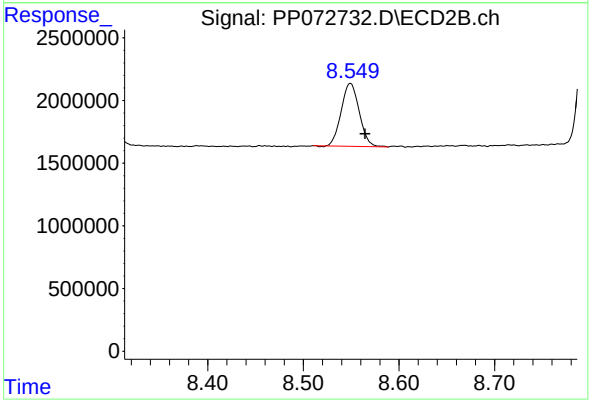
R.T.: 8.253 min
Delta R.T.: -0.012 min
Response: 25275209
Conc: 346.44 ng/ml



#45 AR-1268-5

R.T.: 9.860 min
Delta R.T.: -0.016 min
Response: 9847835
Conc: 14.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.549 min
Delta R.T.: -0.015 min
Response: 6600763
Conc: 14.44 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 10:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:33:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.498	3.793	36208870	31775489	18.007	19.880	
2)	SA Decachlor...	10.198	8.808	29348696	21646168	18.015	20.448	
	Target Compounds							
3)	L1 AR-1016-1	5.662	4.879	297557	140794	3.963	2.292	#
4)	L1 AR-1016-2	5.662	4.879	297557	140794	2.781	1.604	#
5)	L1 AR-1016-3	5.731	5.111f	226188	76251	3.450	1.600	#
6)	L1 AR-1016-4	5.831	5.111	145158	76251	2.725	2.004	#
7)	L1 AR-1016-5	6.141	5.337	124565	32797	2.547	0.658	#
8)	L2 AR-1221-1	4.697	4.012	138411	225316	5.295	8.404	#
9)	L2 AR-1221-2	4.801	4.093	649682	820324	31.848	39.948	#
10)	L2 AR-1221-3	4.868	4.171	187557	30793	3.100	0.523	#
11)	L3 AR-1232-1	4.868	4.171	187557	30793	3.981	0.710	#
12)	L3 AR-1232-2	5.394	4.879	37481	140794	1.610	3.187	#
13)	L3 AR-1232-3	5.684	5.111f	423257	76251	8.454	3.261	#
14)	L3 AR-1232-4	5.831	5.167	145158	99165	5.783	4.786	
15)	L3 AR-1232-5	5.907	5.337	90500	32797	5.166	1.416	#
16)	L4 AR-1242-1	5.662	4.879	297557	140794	4.754	2.702	#
17)	L4 AR-1242-2	5.684	4.879	423257	140794	4.877	1.916	#
18)	L4 AR-1242-3	5.731	5.111f	226188	76251	4.108	1.949	#
19)	L4 AR-1242-4	5.831	5.167	145158	99165	3.273	2.639	
20)	L4 AR-1242-5	6.571	5.674	368096	180807	7.220	3.747	#
21)	L5 AR-1248-1	5.662	4.879	297557	140794	6.148	3.250	#
22)	L5 AR-1248-2	5.946	5.122	295757	80105	4.877	1.418	#
23)	L5 AR-1248-3	6.141	5.167	124565	99165	1.882	1.678	
24)	L5 AR-1248-4	6.543	5.337	431294	32797	4.935	0.471	#
25)	L5 AR-1248-5	6.571	5.723	368096	87528	4.434	1.255	#
26)	L6 AR-1254-1	6.500	5.674	786916	180807	9.150	1.809	#
27)	L6 AR-1254-2	6.730	5.823	666611	114470	5.101	1.326	#
28)	L6 AR-1254-3	7.073	6.256	1172847	252265	8.885	1.961	#
29)	L6 AR-1254-4	7.399	6.466	441237	342729	3.381	4.018	
30)	L6 AR-1254-5	7.805	6.880	236481	189420	2.126	1.671	
31)	L7 AR-1260-1	7.261	6.358	893626	46905	9.548	0.588	#
32)	L7 AR-1260-2	7.512	6.569	688347	53034	4.797	0.523	#
33)	L7 AR-1260-3	7.850	6.769f	113325	68860	0.995	0.792	
34)	L7 AR-1260-4	8.081	7.181	59103	70460	0.551	0.977	#
35)	L7 AR-1260-5	8.365f	7.416	930881	101472	3.933	0.584	#
36)	L8 AR-1262-1	8.081	6.907	59103	149325	0.444	1.321	#
37)	L8 AR-1262-2	8.365f	7.181	930881	70460	3.418	0.725	#
38)	L8 AR-1262-3	8.741	7.734	982735	361473	5.297	4.434	
39)	L8 AR-1262-4	8.793	7.770	591523	136305	4.405	0.969	#
40)	L8 AR-1262-5	9.457	8.315f	215345	56999	2.329	0.876	#
41)	L9 AR-1268-1	8.741	7.734	982735	361473	2.950	1.543	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 10:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:33:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.793	7.770	591523	136305	2.113	0.659 #
43) L9	AR-1268-3	9.043	7.958	528692	93131	2.190	0.550 #
44) L9	AR-1268-4	9.457	8.315f	215345	56999	2.052	0.781 #
45) L9	AR-1268-5	9.891	8.553	257262	234845	0.380	0.514 #

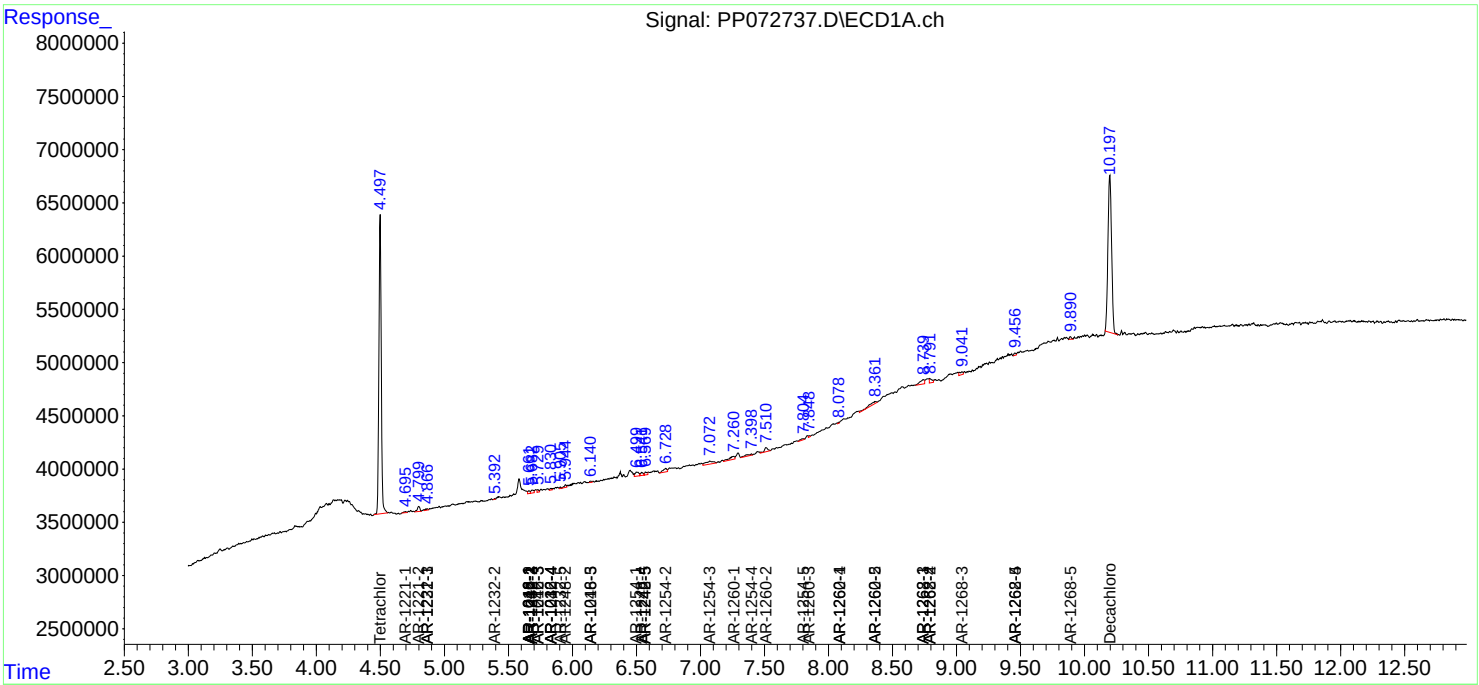
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

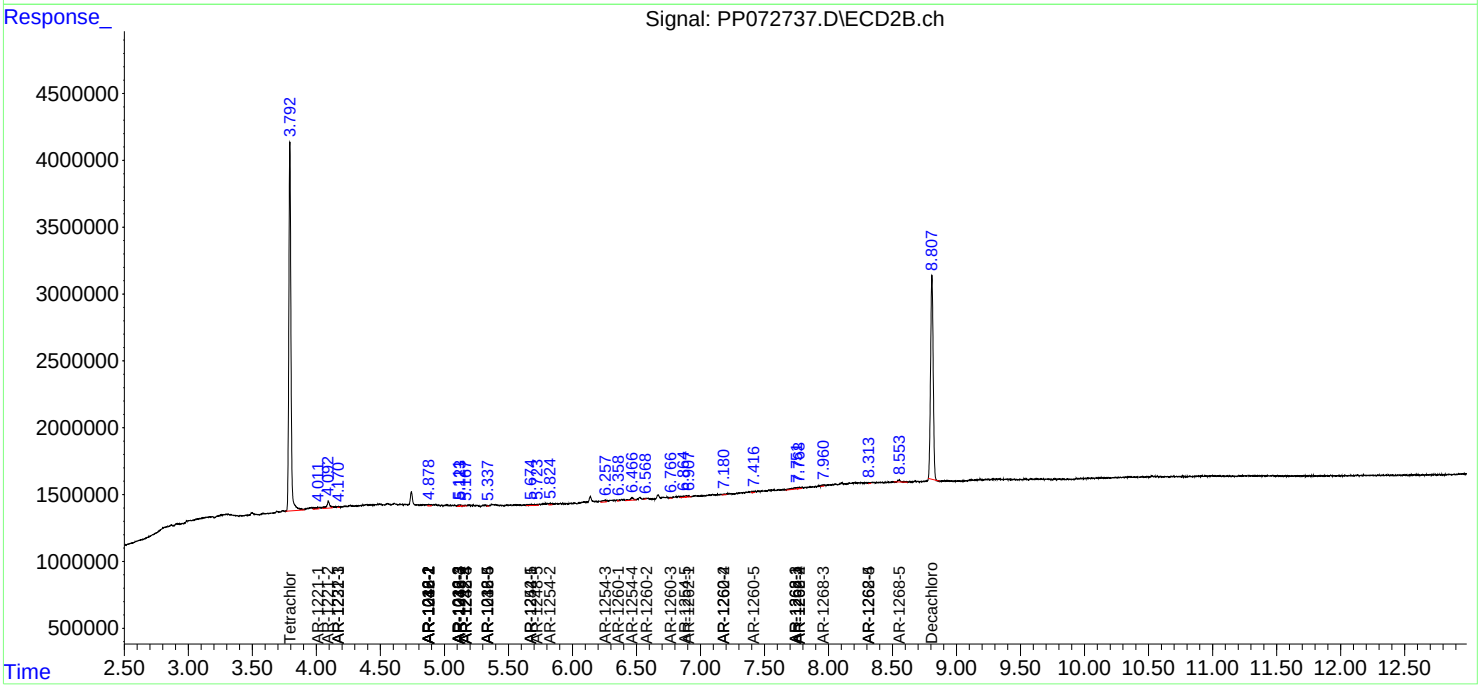
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 10:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

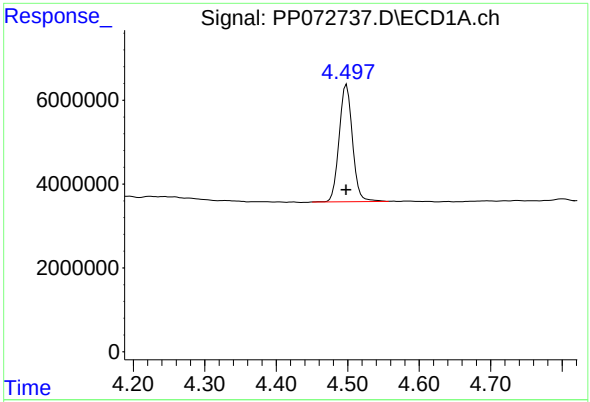
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:33:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



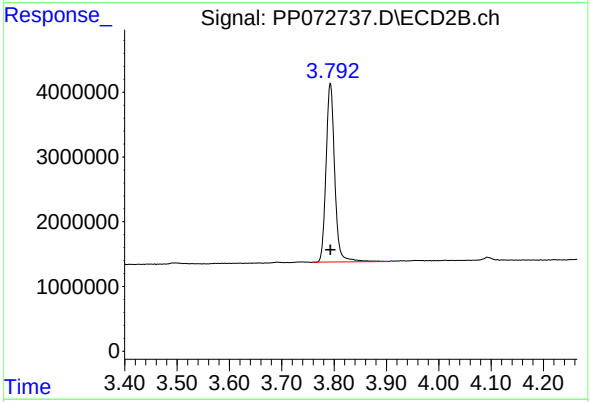




#1 Tetrachloro-m-xylene

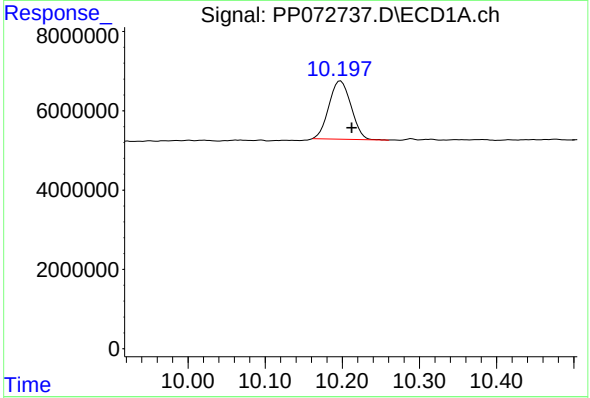
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 36208870
Conc: 18.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



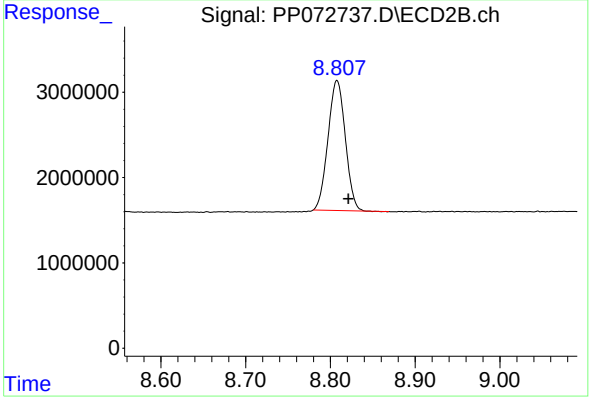
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 31775489
Conc: 19.88 ng/ml



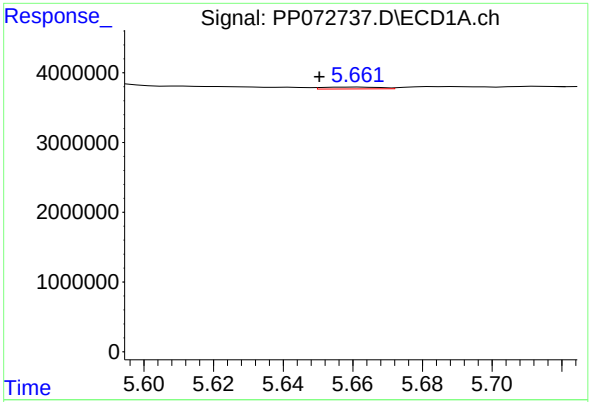
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 29348696
Conc: 18.02 ng/ml



#2 Decachlorobiphenyl

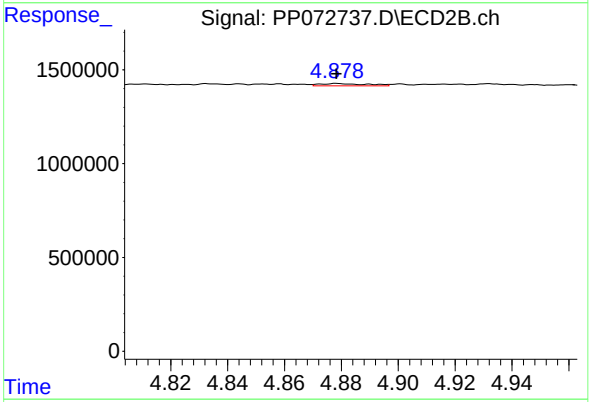
R.T.: 8.808 min
Delta R.T.: -0.013 min
Response: 21646168
Conc: 20.45 ng/ml



#3 AR-1016-1

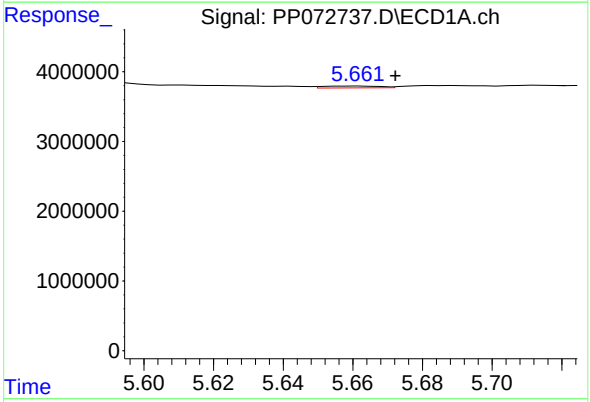
R.T.: 5.662 min
Delta R.T.: 0.011 min
Response: 297557
Conc: 3.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



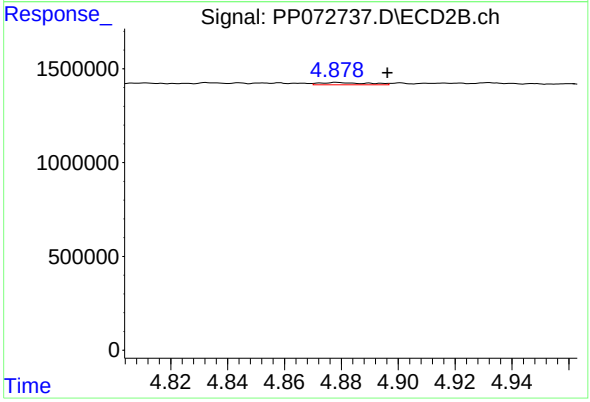
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 140794
Conc: 2.29 ng/ml



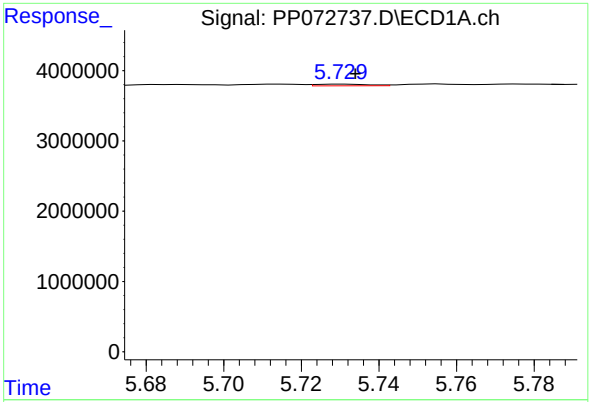
#4 AR-1016-2

R.T.: 5.662 min
Delta R.T.: -0.011 min
Response: 297557
Conc: 2.78 ng/ml



#4 AR-1016-2

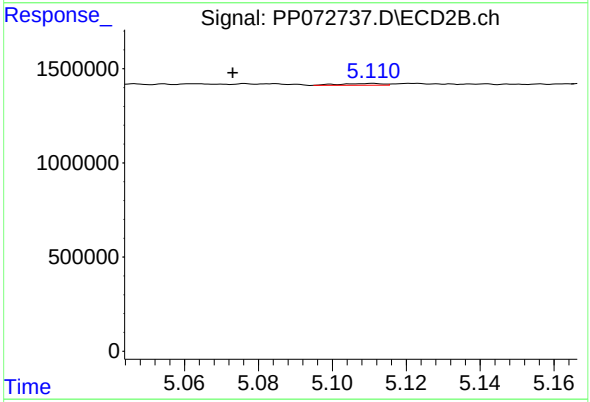
R.T.: 4.879 min
Delta R.T.: -0.018 min
Response: 140794
Conc: 1.60 ng/ml



#5 AR-1016-3

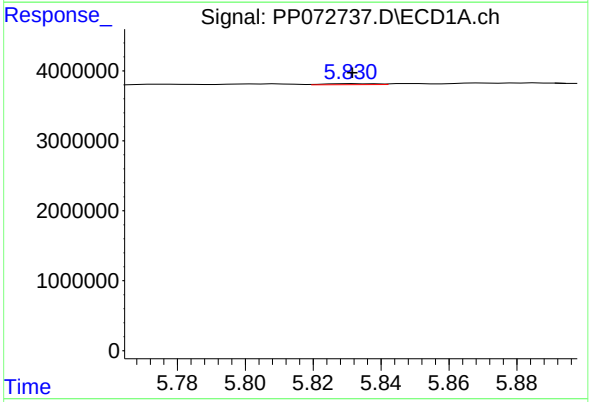
R.T.: 5.731 min
Delta R.T.: -0.003 min
Response: 226188
Conc: 3.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



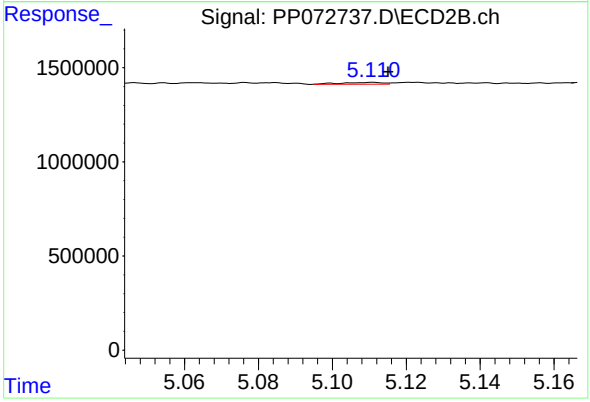
#5 AR-1016-3

R.T.: 5.111 min
Delta R.T.: 0.038 min
Response: 76251
Conc: 1.60 ng/ml



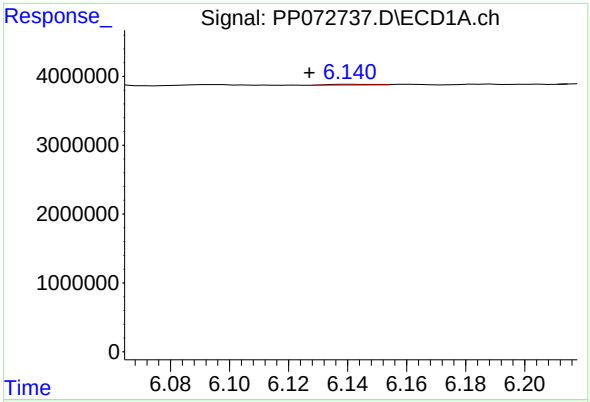
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 145158
Conc: 2.72 ng/ml



#6 AR-1016-4

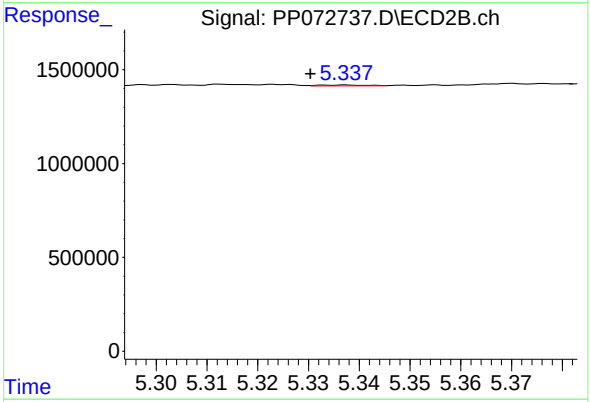
R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 76251
Conc: 2.00 ng/ml



#7 AR-1016-5

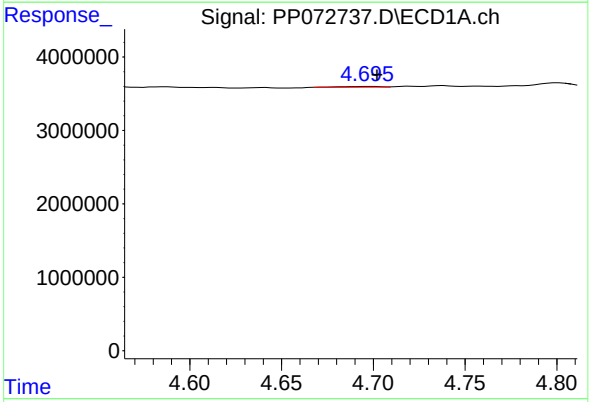
R.T.: 6.141 min
Delta R.T.: 0.014 min
Response: 124565
Conc: 2.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



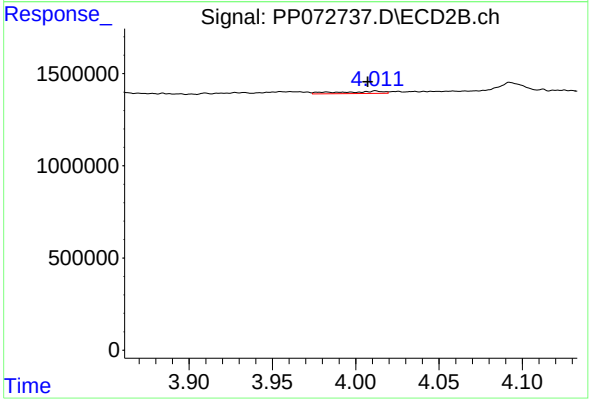
#7 AR-1016-5

R.T.: 5.337 min
Delta R.T.: 0.007 min
Response: 32797
Conc: 0.66 ng/ml



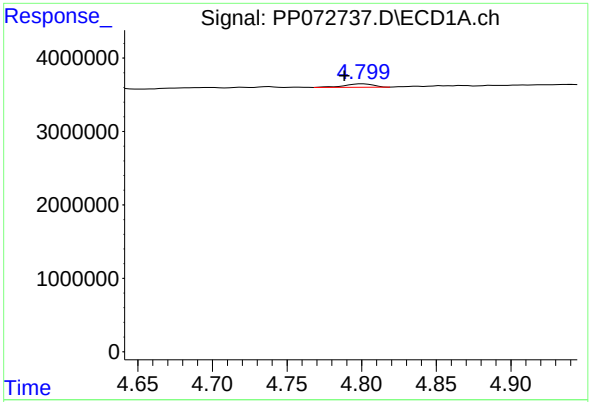
#8 AR-1221-1

R.T.: 4.697 min
Delta R.T.: -0.006 min
Response: 138411
Conc: 5.29 ng/ml



#8 AR-1221-1

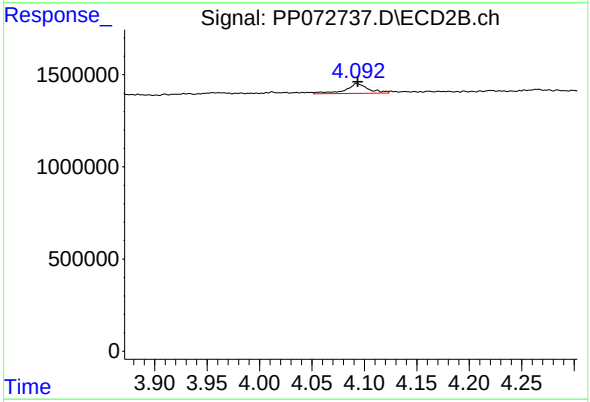
R.T.: 4.012 min
Delta R.T.: 0.005 min
Response: 225316
Conc: 8.40 ng/ml



#9 AR-1221-2

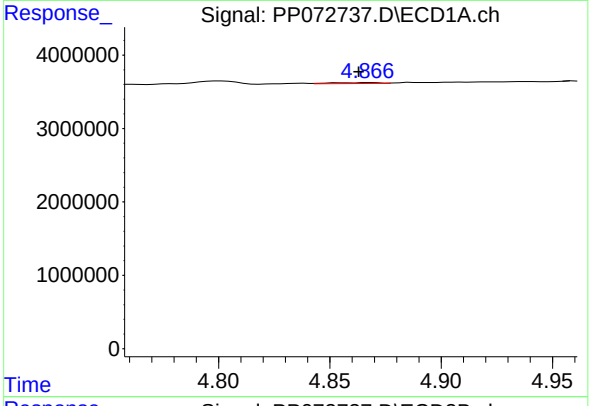
R.T.: 4.801 min
Delta R.T.: 0.012 min
Response: 649682
Conc: 31.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



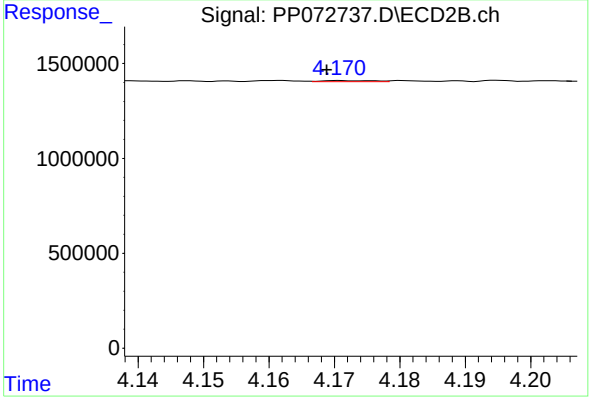
#9 AR-1221-2

R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 820324
Conc: 39.95 ng/ml



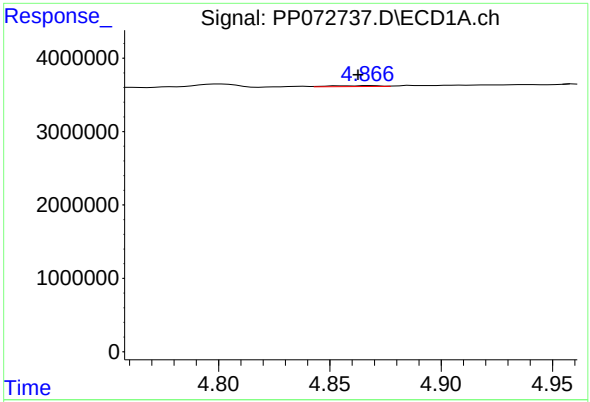
#10 AR-1221-3

R.T.: 4.868 min
Delta R.T.: 0.005 min
Response: 187557
Conc: 3.10 ng/ml



#10 AR-1221-3

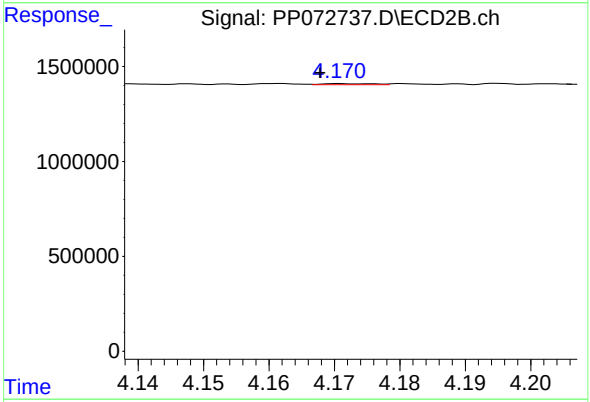
R.T.: 4.171 min
Delta R.T.: 0.002 min
Response: 30793
Conc: 0.52 ng/ml



#11 AR-1232-1

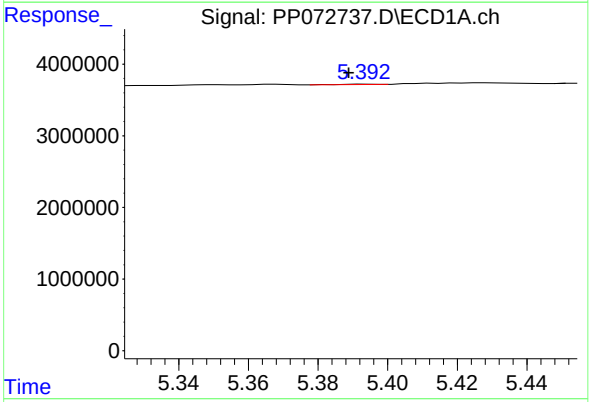
R.T.: 4.868 min
Delta R.T.: 0.005 min
Response: 187557
Conc: 3.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



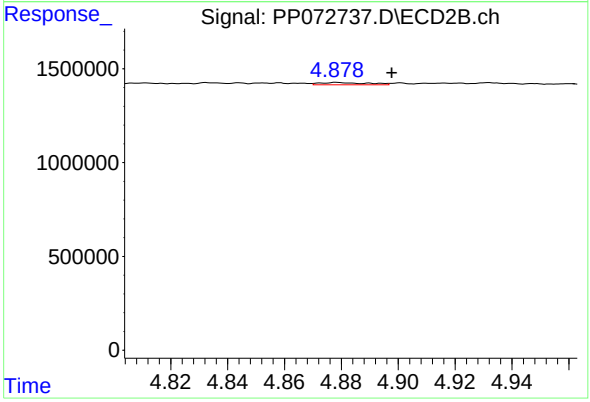
#11 AR-1232-1

R.T.: 4.171 min
Delta R.T.: 0.003 min
Response: 30793
Conc: 0.71 ng/ml



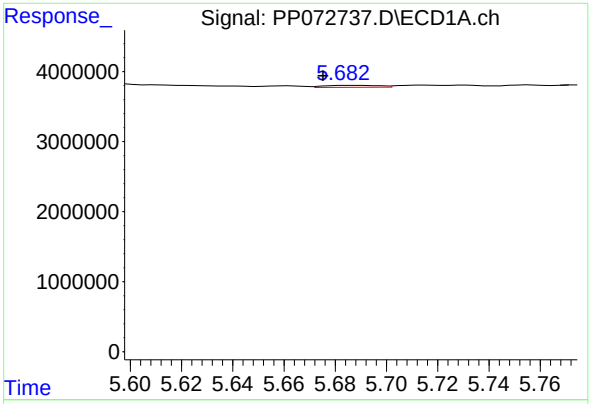
#12 AR-1232-2

R.T.: 5.394 min
Delta R.T.: 0.005 min
Response: 37481
Conc: 1.61 ng/ml



#12 AR-1232-2

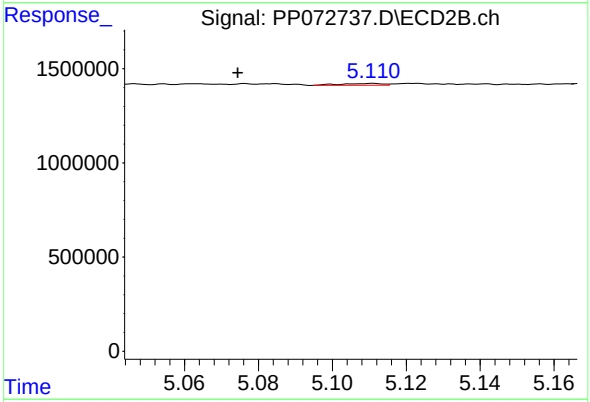
R.T.: 4.879 min
Delta R.T.: -0.019 min
Response: 140794
Conc: 3.19 ng/ml



#13 AR-1232-3

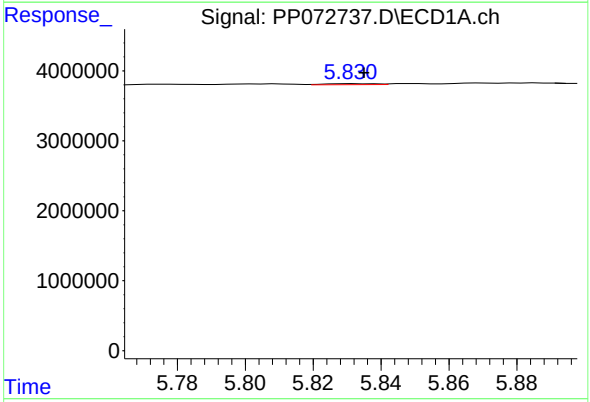
R.T.: 5.684 min
Delta R.T.: 0.009 min
Response: 423257
Conc: 8.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



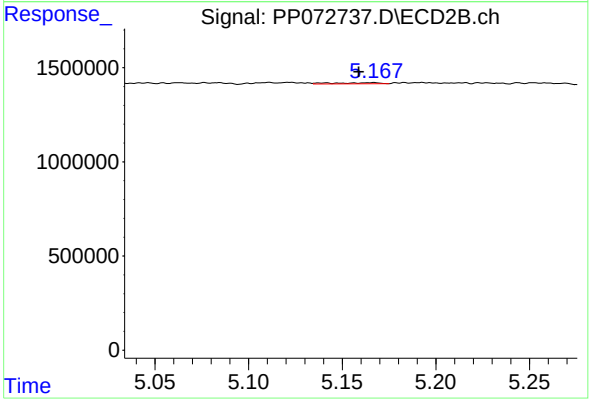
#13 AR-1232-3

R.T.: 5.111 min
Delta R.T.: 0.036 min
Response: 76251
Conc: 3.26 ng/ml



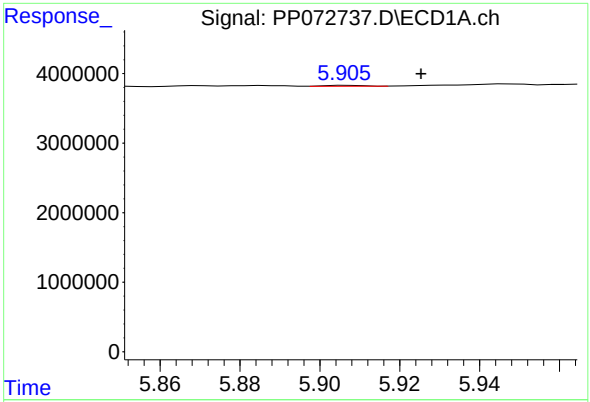
#14 AR-1232-4

R.T.: 5.831 min
Delta R.T.: -0.004 min
Response: 145158
Conc: 5.78 ng/ml



#14 AR-1232-4

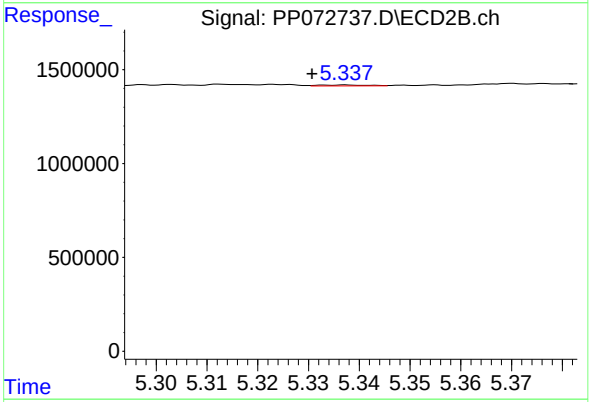
R.T.: 5.167 min
Delta R.T.: 0.008 min
Response: 99165
Conc: 4.79 ng/ml



#15 AR-1232-5

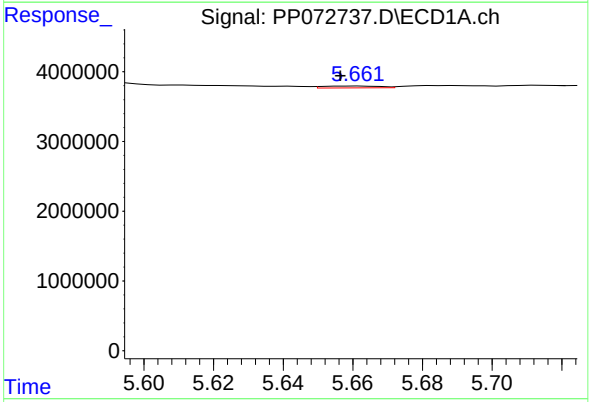
R.T.: 5.907 min
Delta R.T.: -0.018 min
Response: 90500
Conc: 5.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



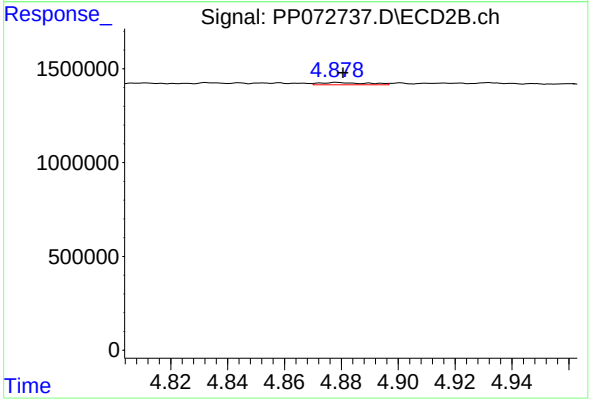
#15 AR-1232-5

R.T.: 5.337 min
Delta R.T.: 0.006 min
Response: 32797
Conc: 1.42 ng/ml



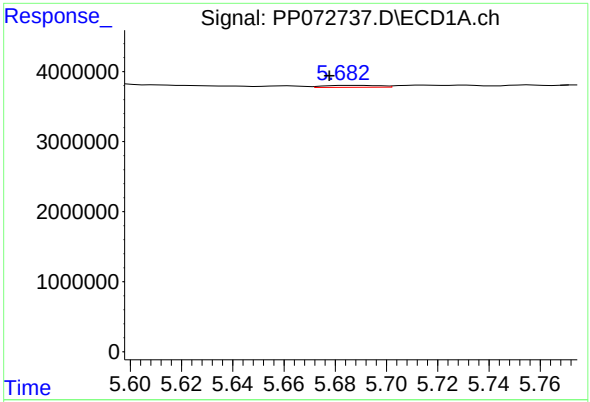
#16 AR-1242-1

R.T.: 5.662 min
Delta R.T.: 0.005 min
Response: 297557
Conc: 4.75 ng/ml



#16 AR-1242-1

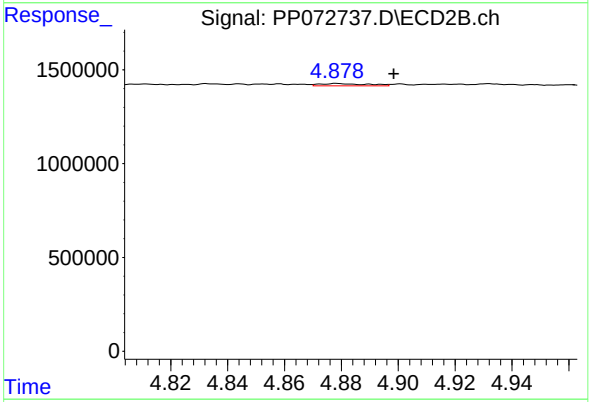
R.T.: 4.879 min
Delta R.T.: -0.002 min
Response: 140794
Conc: 2.70 ng/ml



#17 AR-1242-2

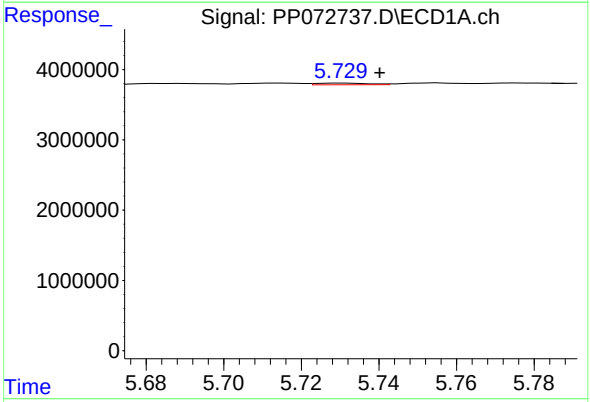
R.T.: 5.684 min
Delta R.T.: 0.007 min
Response: 423257
Conc: 4.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



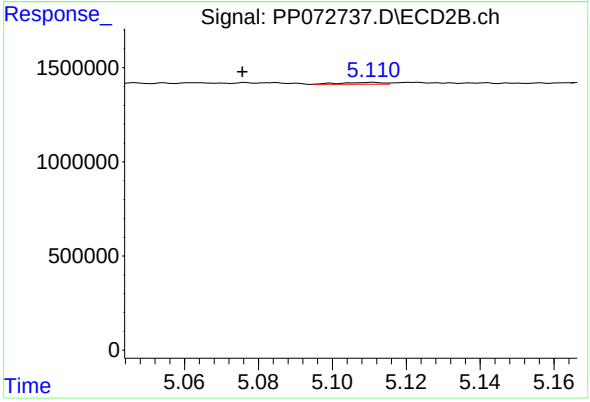
#17 AR-1242-2

R.T.: 4.879 min
Delta R.T.: -0.020 min
Response: 140794
Conc: 1.92 ng/ml



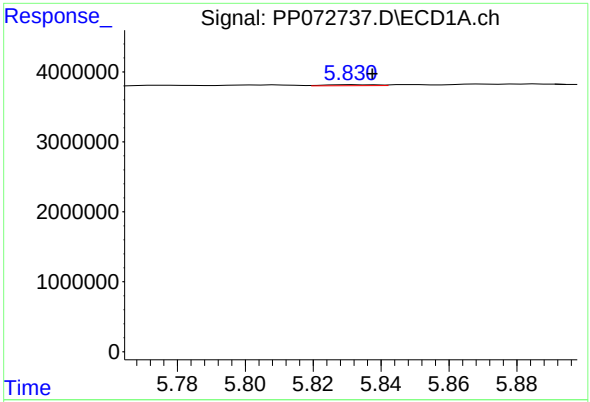
#18 AR-1242-3

R.T.: 5.731 min
Delta R.T.: -0.009 min
Response: 226188
Conc: 4.11 ng/ml



#18 AR-1242-3

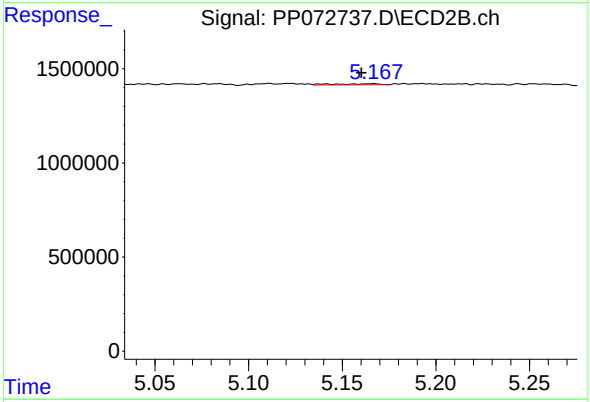
R.T.: 5.111 min
Delta R.T.: 0.035 min
Response: 76251
Conc: 1.95 ng/ml



#19 AR-1242-4

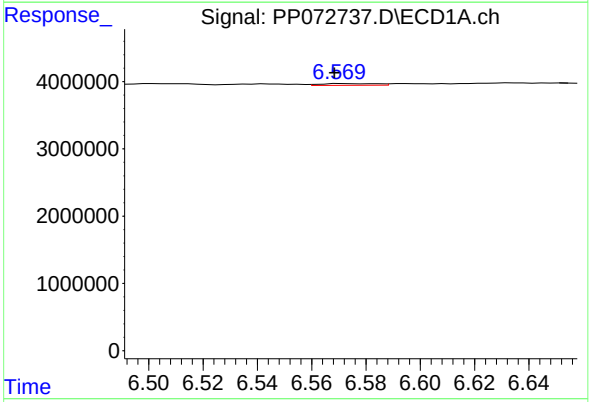
R.T.: 5.831 min
Delta R.T.: -0.006 min
Response: 145158
Conc: 3.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



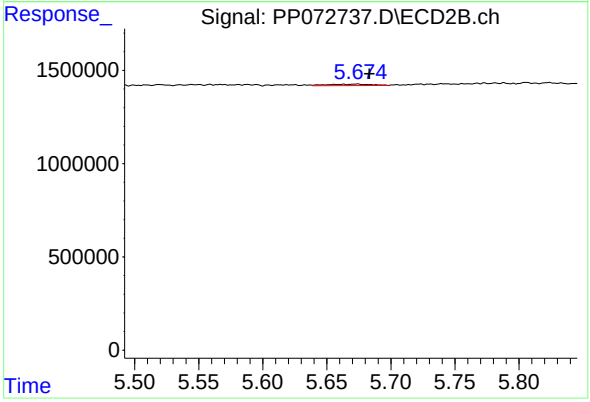
#19 AR-1242-4

R.T.: 5.167 min
Delta R.T.: 0.006 min
Response: 99165
Conc: 2.64 ng/ml



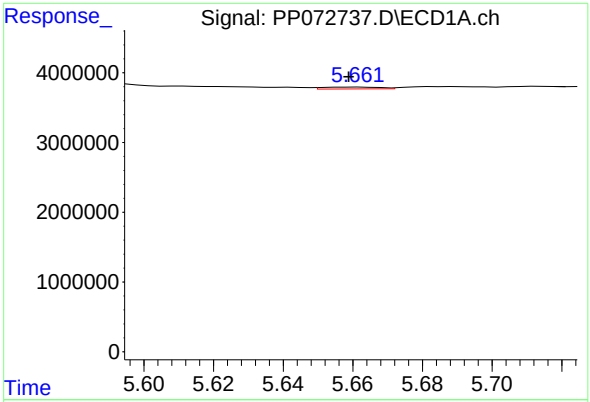
#20 AR-1242-5

R.T.: 6.571 min
Delta R.T.: 0.003 min
Response: 368096
Conc: 7.22 ng/ml



#20 AR-1242-5

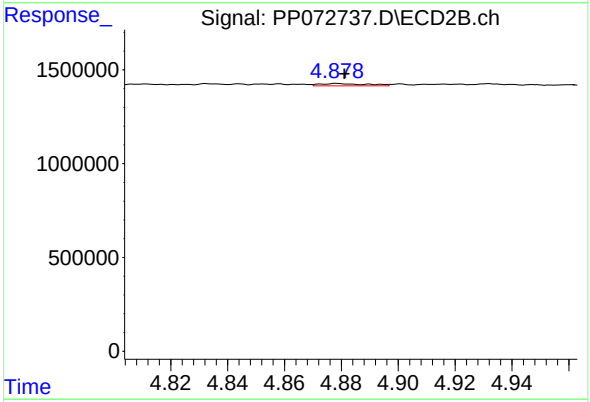
R.T.: 5.674 min
Delta R.T.: -0.010 min
Response: 180807
Conc: 3.75 ng/ml



#21 AR-1248-1

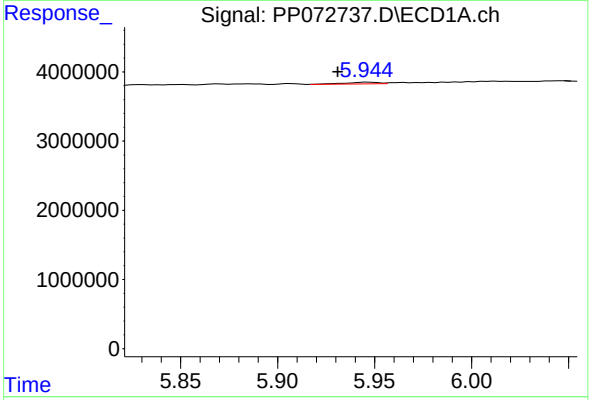
R.T.: 5.662 min
Delta R.T.: 0.003 min
Response: 297557
Conc: 6.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



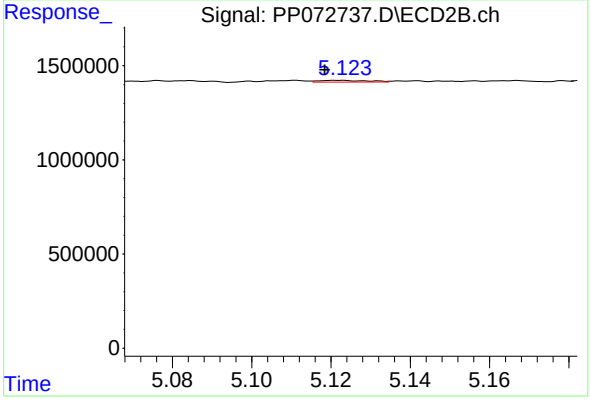
#21 AR-1248-1

R.T.: 4.879 min
Delta R.T.: -0.003 min
Response: 140794
Conc: 3.25 ng/ml



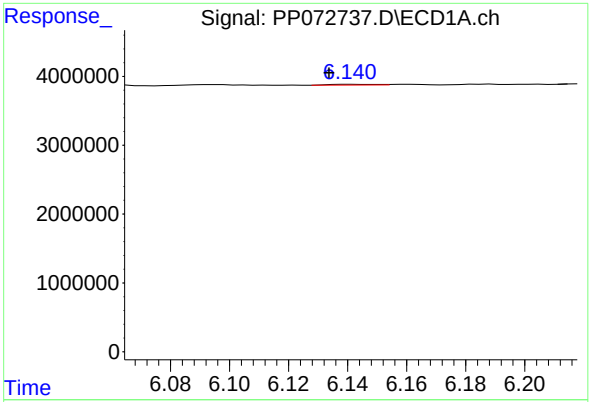
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: 0.015 min
Response: 295757
Conc: 4.88 ng/ml



#22 AR-1248-2

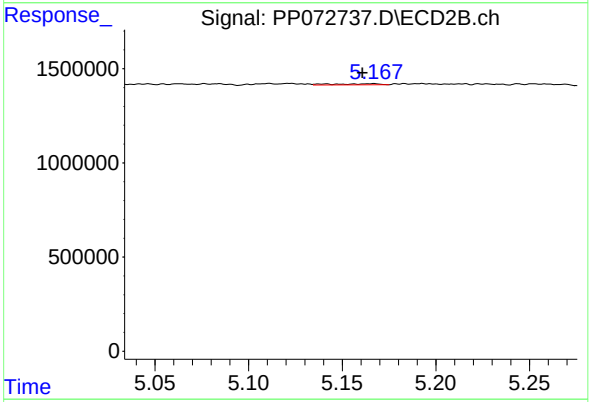
R.T.: 5.122 min
Delta R.T.: 0.003 min
Response: 80105
Conc: 1.42 ng/ml



#23 AR-1248-3

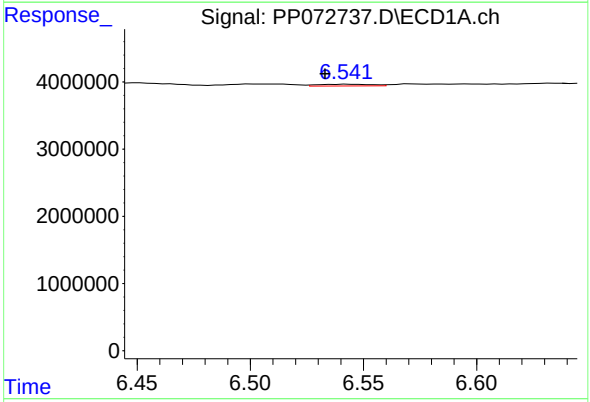
R.T.: 6.141 min
Delta R.T.: 0.008 min
Response: 124565
Conc: 1.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



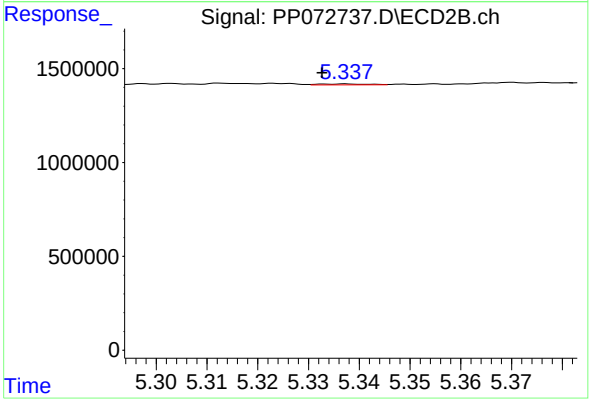
#23 AR-1248-3

R.T.: 5.167 min
Delta R.T.: 0.006 min
Response: 99165
Conc: 1.68 ng/ml



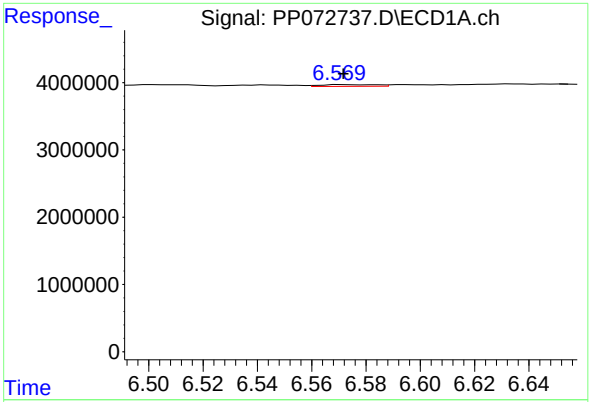
#24 AR-1248-4

R.T.: 6.543 min
Delta R.T.: 0.010 min
Response: 431294
Conc: 4.94 ng/ml



#24 AR-1248-4

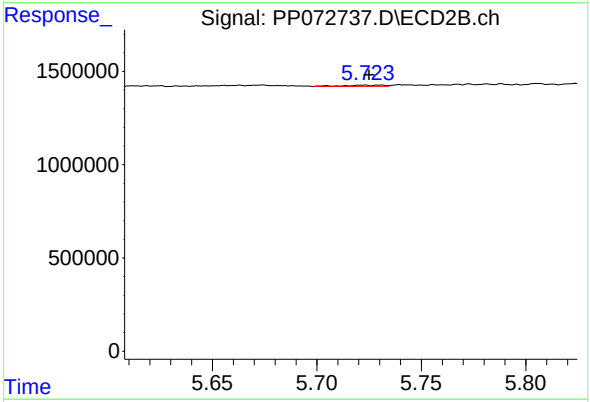
R.T.: 5.337 min
Delta R.T.: 0.004 min
Response: 32797
Conc: 0.47 ng/ml



#25 AR-1248-5

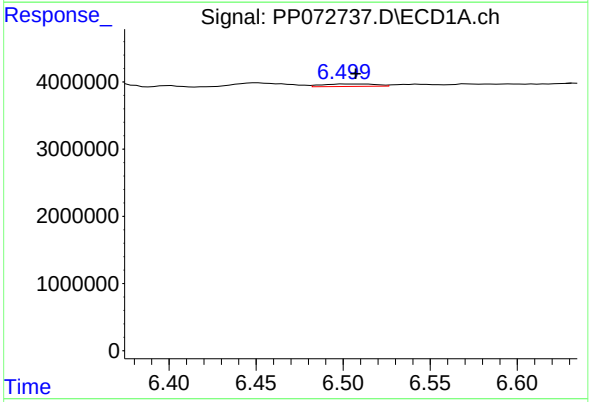
R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 368096
Conc: 4.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



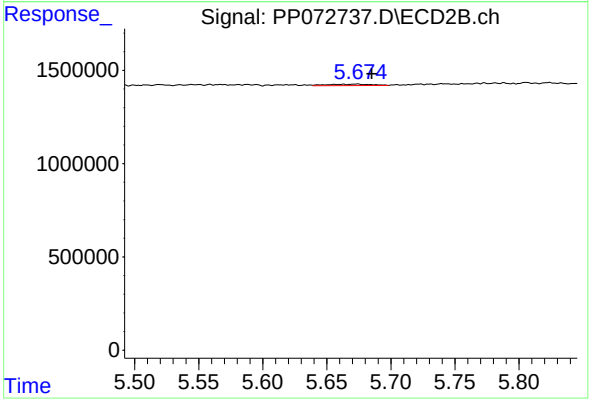
#25 AR-1248-5

R.T.: 5.723 min
Delta R.T.: -0.002 min
Response: 87528
Conc: 1.26 ng/ml



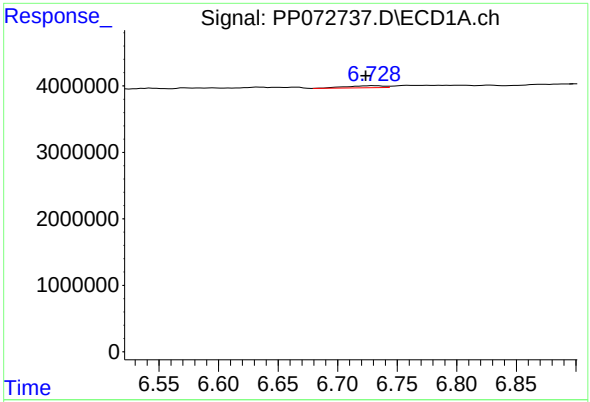
#26 AR-1254-1

R.T.: 6.500 min
Delta R.T.: -0.007 min
Response: 786916
Conc: 9.15 ng/ml



#26 AR-1254-1

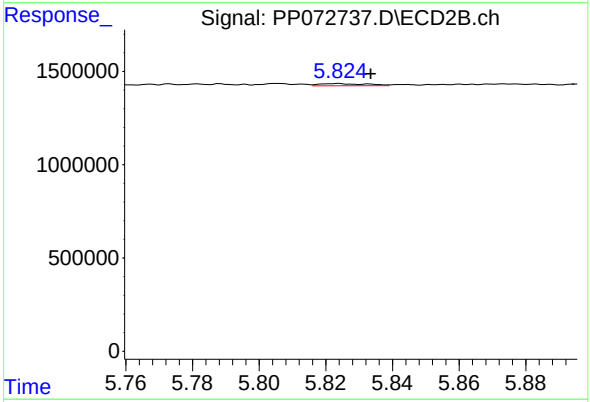
R.T.: 5.674 min
Delta R.T.: -0.011 min
Response: 180807
Conc: 1.81 ng/ml



#27 AR-1254-2

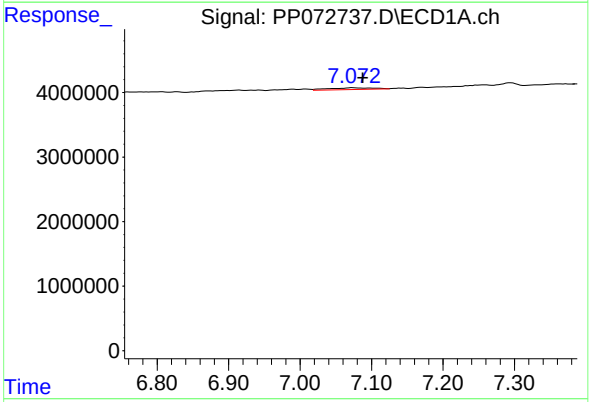
R.T.: 6.730 min
Delta R.T.: 0.007 min
Response: 666611
Conc: 5.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



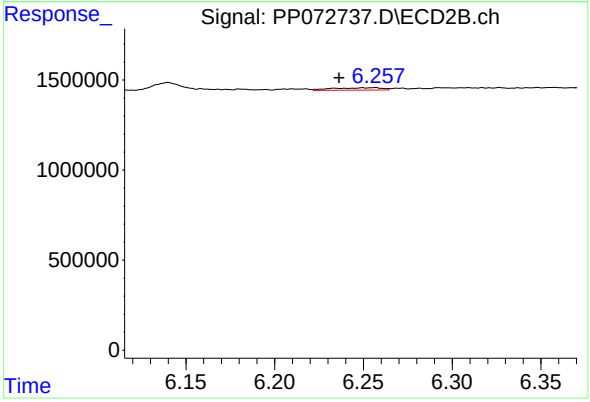
#27 AR-1254-2

R.T.: 5.823 min
Delta R.T.: -0.010 min
Response: 114470
Conc: 1.33 ng/ml



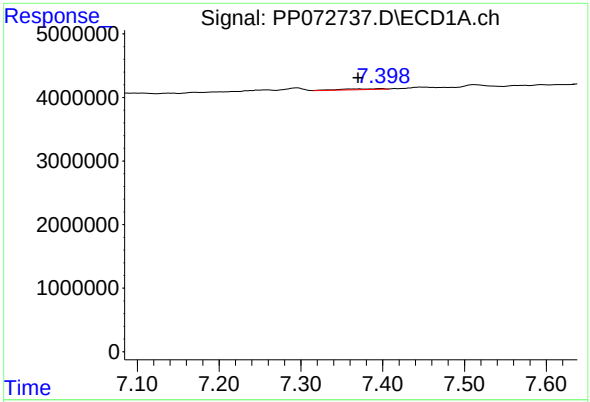
#28 AR-1254-3

R.T.: 7.073 min
Delta R.T.: -0.014 min
Response: 1172847
Conc: 8.89 ng/ml



#28 AR-1254-3

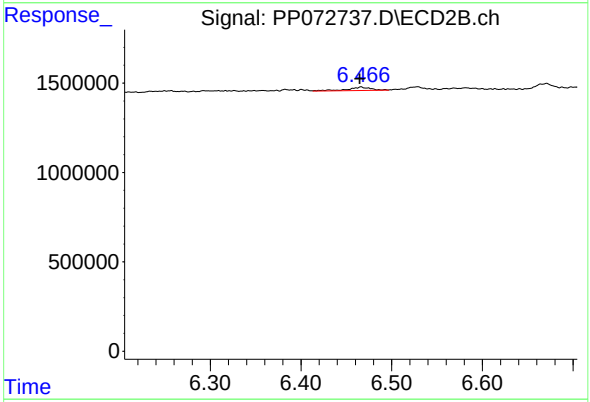
R.T.: 6.256 min
Delta R.T.: 0.020 min
Response: 252265
Conc: 1.96 ng/ml



#29 AR-1254-4

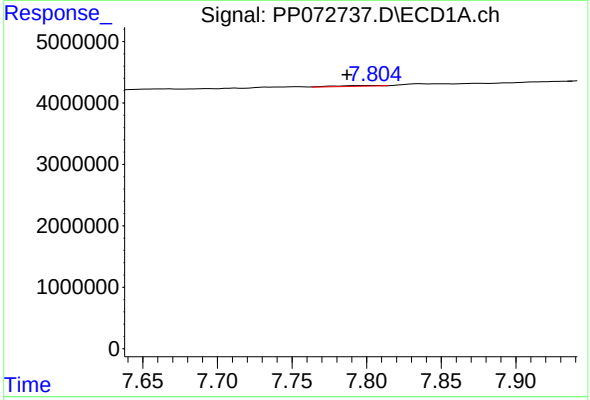
R.T.: 7.399 min
Delta R.T.: 0.029 min
Response: 441237
Conc: 3.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



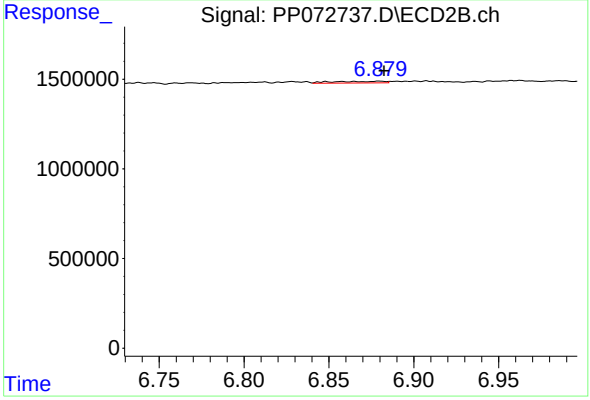
#29 AR-1254-4

R.T.: 6.466 min
Delta R.T.: 0.001 min
Response: 342729
Conc: 4.02 ng/ml



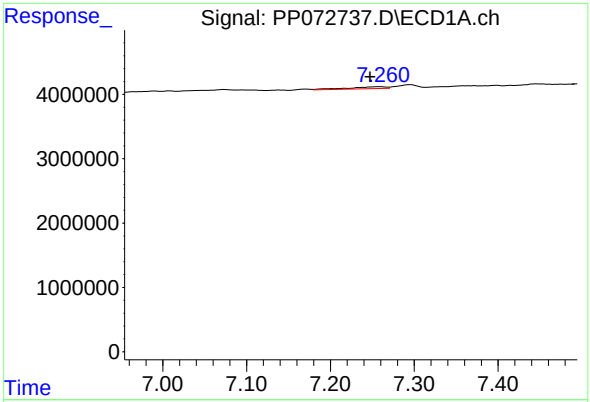
#30 AR-1254-5

R.T.: 7.805 min
Delta R.T.: 0.019 min
Response: 236481
Conc: 2.13 ng/ml



#30 AR-1254-5

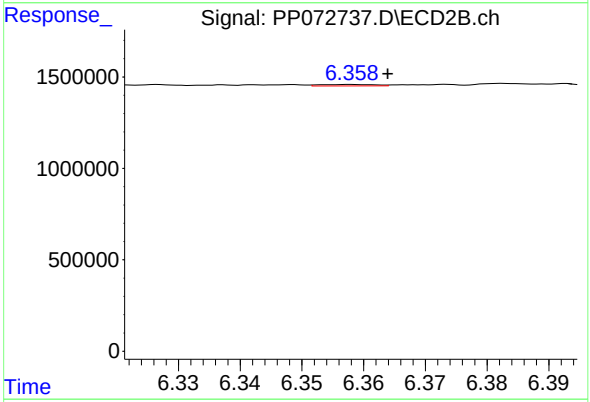
R.T.: 6.880 min
Delta R.T.: -0.003 min
Response: 189420
Conc: 1.67 ng/ml



#31 AR-1260-1

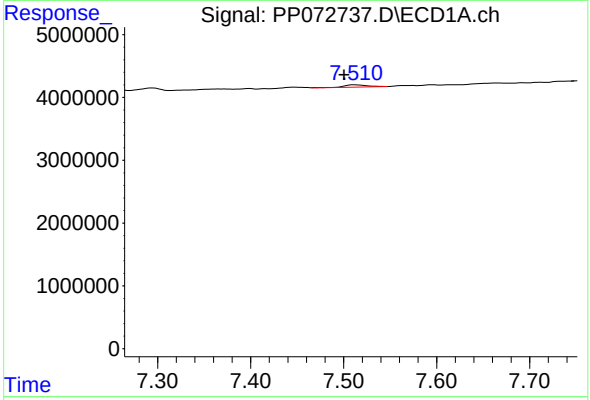
R.T.: 7.261 min
Delta R.T.: 0.013 min
Response: 893626
Conc: 9.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



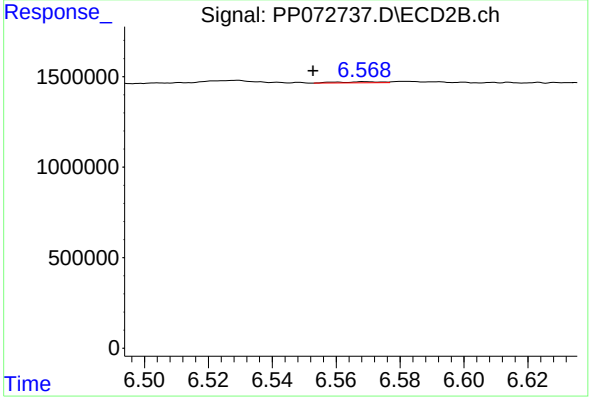
#31 AR-1260-1

R.T.: 6.358 min
Delta R.T.: -0.006 min
Response: 46905
Conc: 0.59 ng/ml



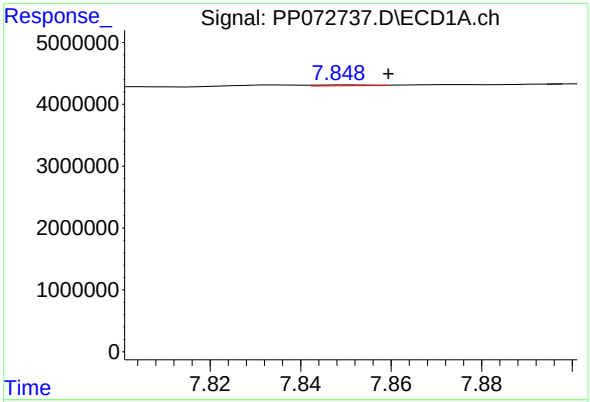
#32 AR-1260-2

R.T.: 7.512 min
Delta R.T.: 0.012 min
Response: 688347
Conc: 4.80 ng/ml



#32 AR-1260-2

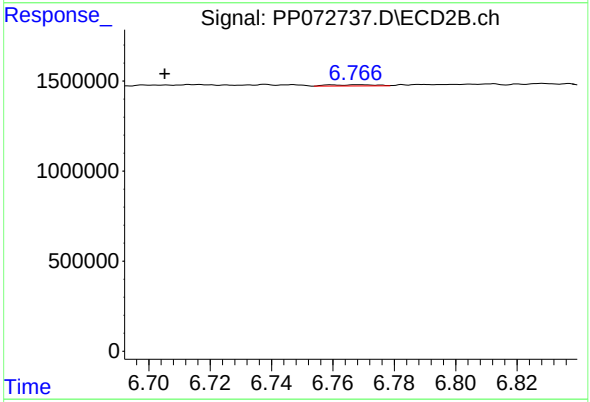
R.T.: 6.569 min
Delta R.T.: 0.016 min
Response: 53034
Conc: 0.52 ng/ml



#33 AR-1260-3

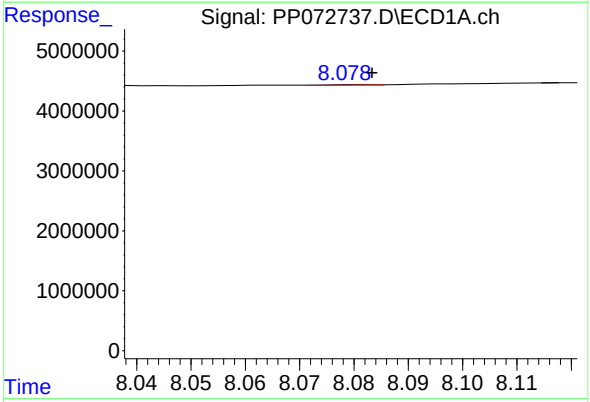
R.T.: 7.850 min
Delta R.T.: -0.010 min
Response: 113325
Conc: 1.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



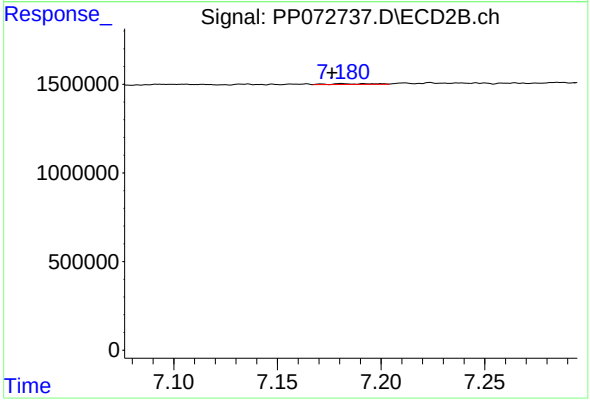
#33 AR-1260-3

R.T.: 6.769 min
Delta R.T.: 0.063 min
Response: 68860
Conc: 0.79 ng/ml



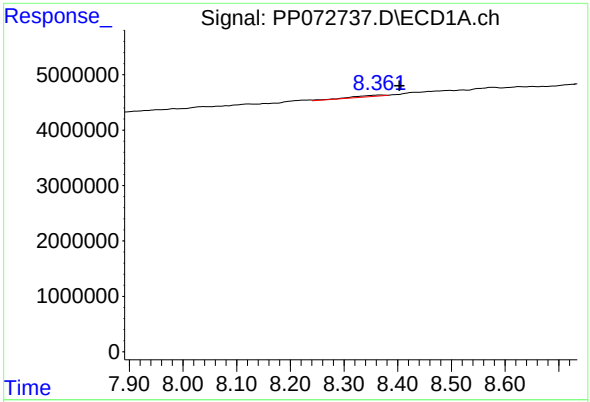
#34 AR-1260-4

R.T.: 8.081 min
Delta R.T.: -0.002 min
Response: 59103
Conc: 0.55 ng/ml



#34 AR-1260-4

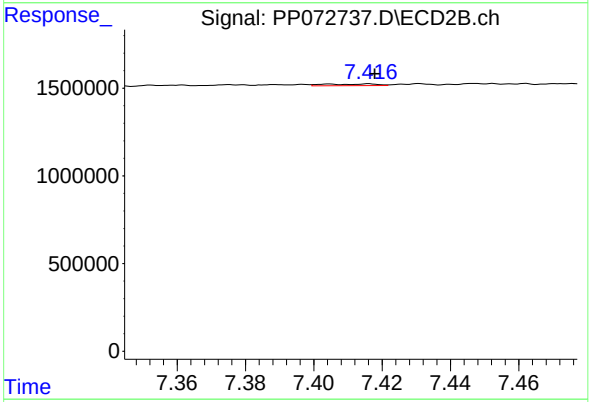
R.T.: 7.181 min
Delta R.T.: 0.005 min
Response: 70460
Conc: 0.98 ng/ml



#35 AR-1260-5

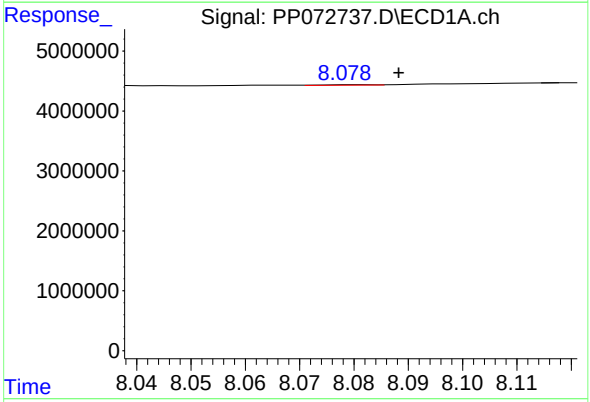
R.T.: 8.365 min
Delta R.T.: -0.038 min
Response: 930881
Conc: 3.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



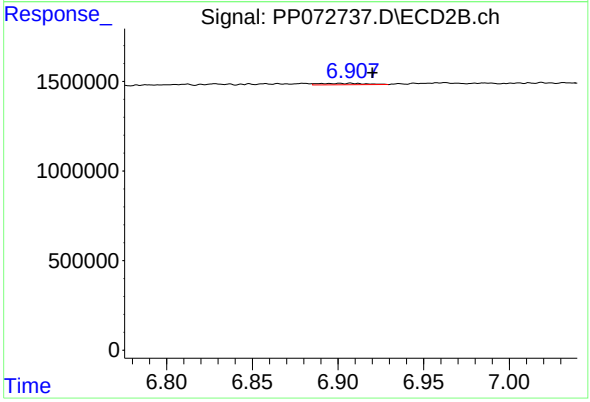
#35 AR-1260-5

R.T.: 7.416 min
Delta R.T.: -0.002 min
Response: 101472
Conc: 0.58 ng/ml



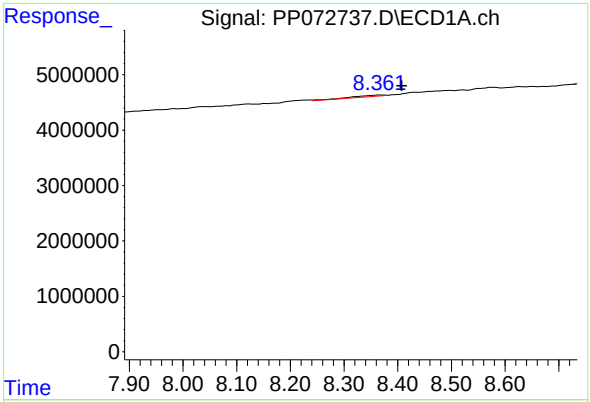
#36 AR-1262-1

R.T.: 8.081 min
Delta R.T.: -0.007 min
Response: 59103
Conc: 0.44 ng/ml



#36 AR-1262-1

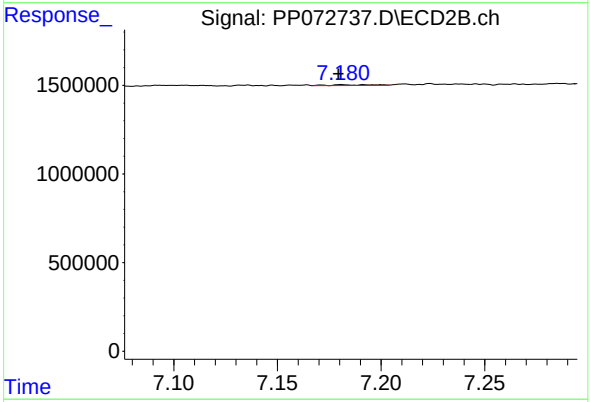
R.T.: 6.907 min
Delta R.T.: -0.013 min
Response: 149325
Conc: 1.32 ng/ml



#37 AR-1262-2

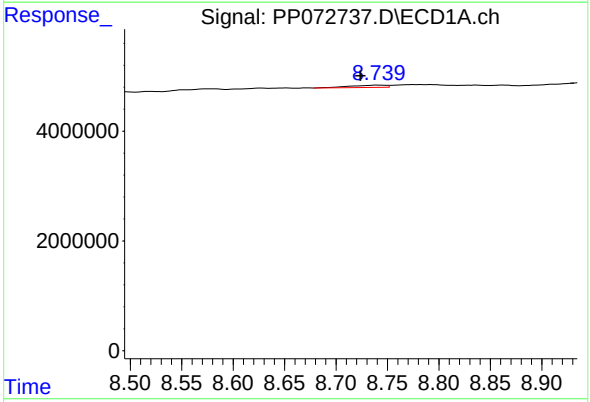
R.T.: 8.365 min
Delta R.T.: -0.042 min
Response: 930881
Conc: 3.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



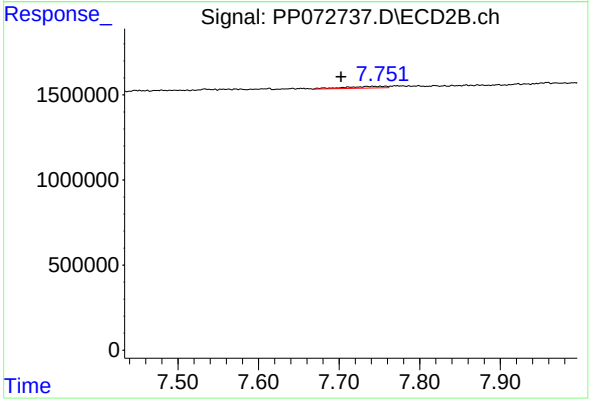
#37 AR-1262-2

R.T.: 7.181 min
Delta R.T.: 0.002 min
Response: 70460
Conc: 0.73 ng/ml



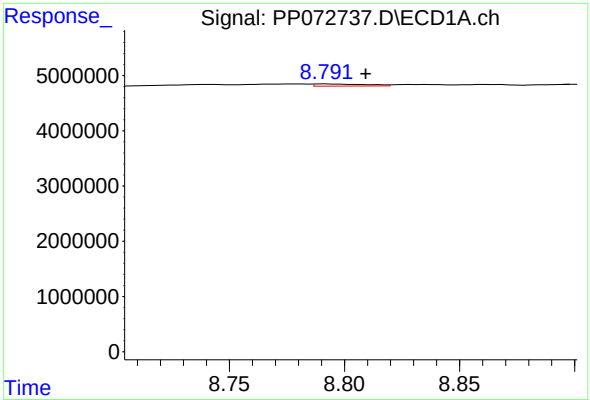
#38 AR-1262-3

R.T.: 8.741 min
Delta R.T.: 0.017 min
Response: 982735
Conc: 5.30 ng/ml



#38 AR-1262-3

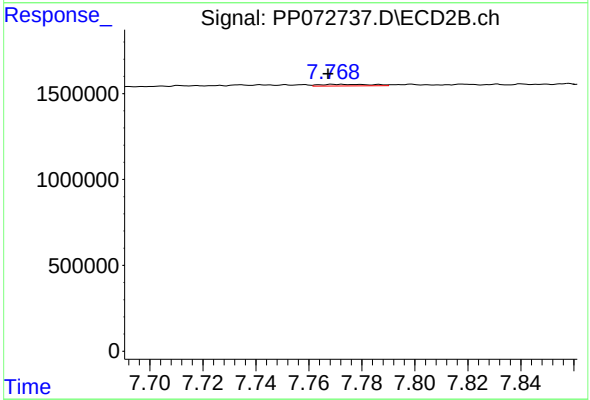
R.T.: 7.734 min
Delta R.T.: 0.031 min
Response: 361473
Conc: 4.43 ng/ml



#39 AR-1262-4

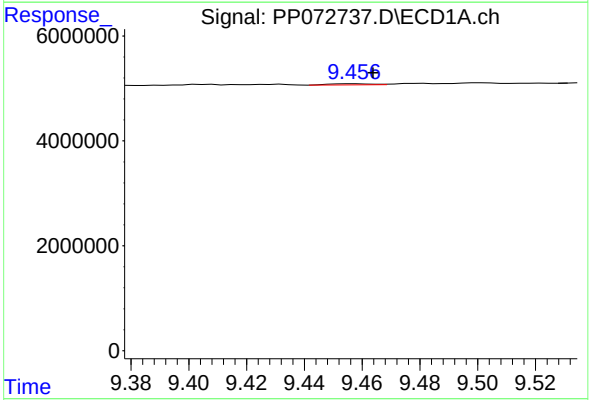
R.T.: 8.793 min
Delta R.T.: -0.017 min
Response: 591523
Conc: 4.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



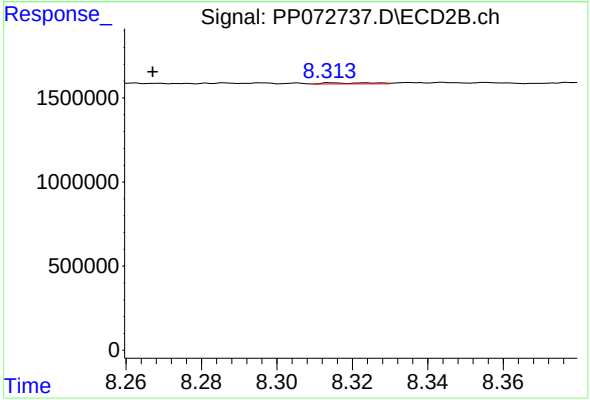
#39 AR-1262-4

R.T.: 7.770 min
Delta R.T.: 0.003 min
Response: 136305
Conc: 0.97 ng/ml



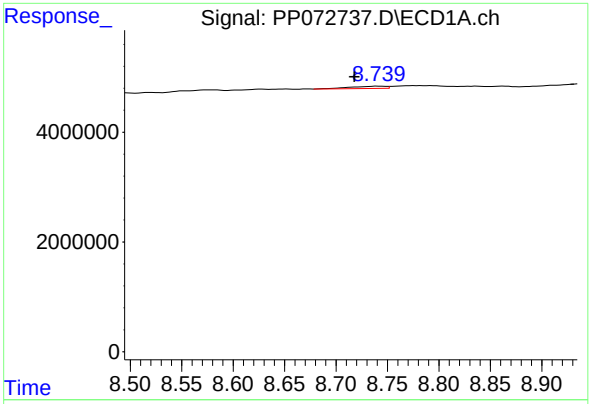
#40 AR-1262-5

R.T.: 9.457 min
Delta R.T.: -0.006 min
Response: 215345
Conc: 2.33 ng/ml



#40 AR-1262-5

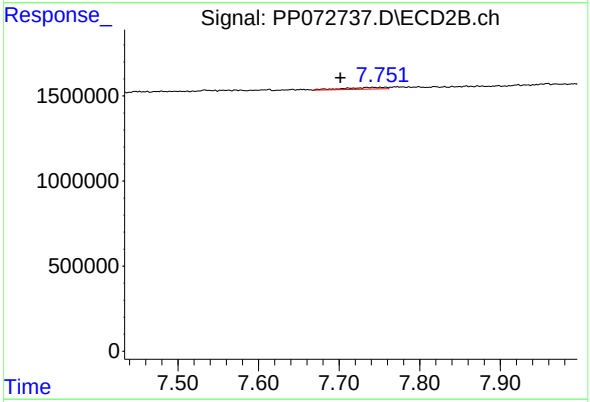
R.T.: 8.315 min
Delta R.T.: 0.048 min
Response: 56999
Conc: 0.88 ng/ml



#41 AR-1268-1

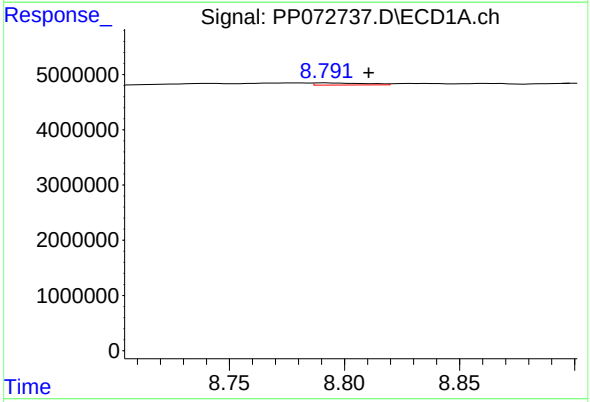
R.T.: 8.741 min
Delta R.T.: 0.023 min
Response: 982735
Conc: 2.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



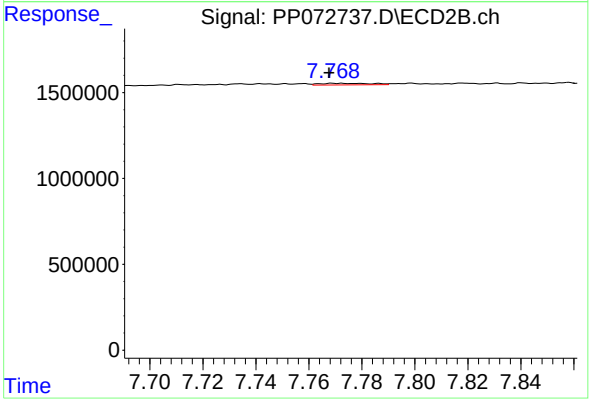
#41 AR-1268-1

R.T.: 7.734 min
Delta R.T.: 0.032 min
Response: 361473
Conc: 1.54 ng/ml



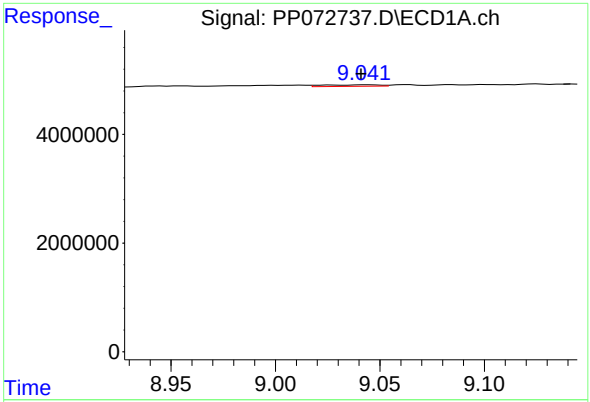
#42 AR-1268-2

R.T.: 8.793 min
Delta R.T.: -0.018 min
Response: 591523
Conc: 2.11 ng/ml



#42 AR-1268-2

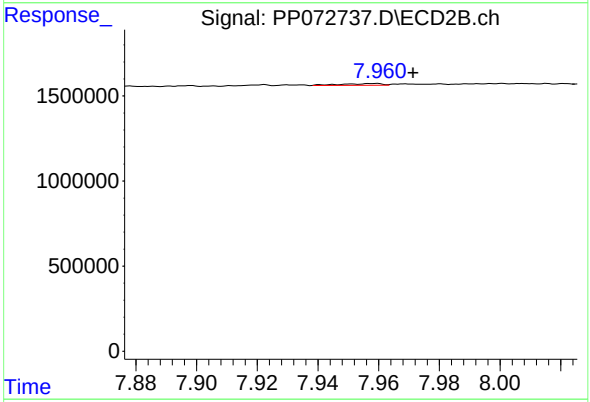
R.T.: 7.770 min
Delta R.T.: 0.003 min
Response: 136305
Conc: 0.66 ng/ml



#43 AR-1268-3

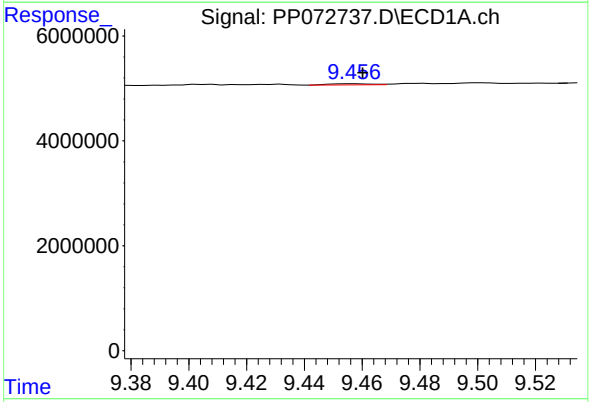
R.T.: 9.043 min
Delta R.T.: 0.003 min
Response: 528692
Conc: 2.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



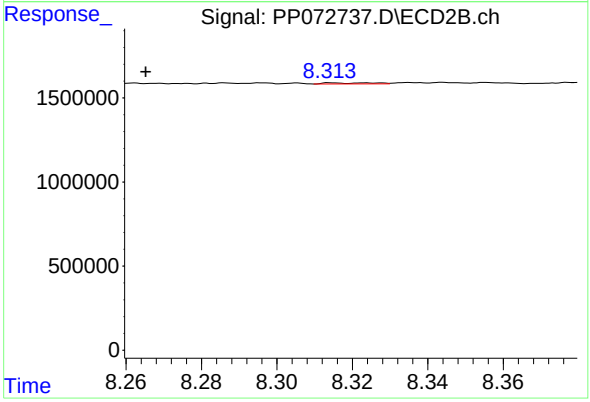
#43 AR-1268-3

R.T.: 7.958 min
Delta R.T.: -0.013 min
Response: 93131
Conc: 0.55 ng/ml



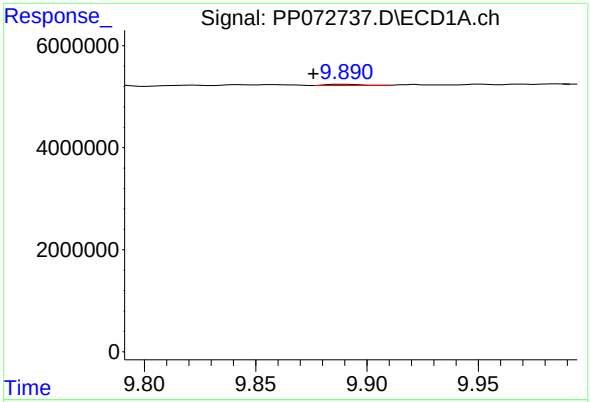
#44 AR-1268-4

R.T.: 9.457 min
Delta R.T.: -0.003 min
Response: 215345
Conc: 2.05 ng/ml



#44 AR-1268-4

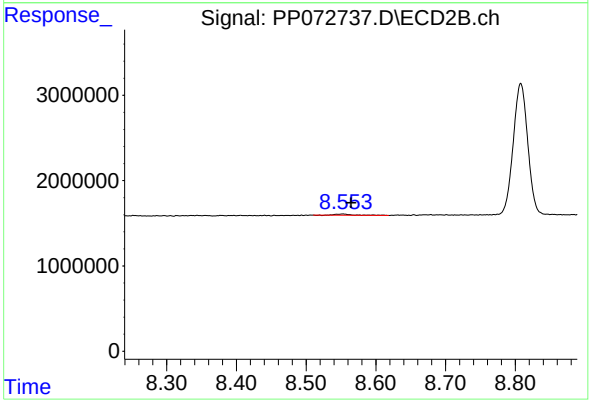
R.T.: 8.315 min
Delta R.T.: 0.050 min
Response: 56999
Conc: 0.78 ng/ml



#45 AR-1268-5

R.T.: 9.891 min
Delta R.T.: 0.015 min
Response: 257262
Conc: 0.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



#45 AR-1268-5

R.T.: 8.553 min
Delta R.T.: -0.012 min
Response: 234845
Conc: 0.51 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:12
Operator : YP\AJ
Sample : PB168349BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168349BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.496	3.793	36837384	33286144	18.320	20.825	
2)	SA Decachlor...	10.198	8.808	28938795	21271488	17.763	20.094	
	Target Compounds							
3)	L1 AR-1016-1	5.652	0.000	126368	0	1.683	N.D.	#
4)	L1 AR-1016-2	5.682	0.000	176454	0	1.649	N.D.	#
5)	L1 AR-1016-3	5.733	5.135f	87728	18713	1.338	0.393	#
6)	L1 AR-1016-4	5.784f	5.135	188284	18713	3.535	0.492	#
7)	L1 AR-1016-5	6.146	5.328	-6982	59874	N.D.	1.202	#
8)	L2 AR-1221-1	4.709	4.008	65137	123746	2.492	4.616	#
9)	L2 AR-1221-2	4.798	4.093	799309	669347	39.183	32.596	
10)	L2 AR-1221-3	4.864	4.165	388257	14385	6.418	0.244	#
11)	L3 AR-1232-1	4.864	4.165	388257	14385	8.242	0.332	#
12)	L3 AR-1232-2	5.396	0.000	136499	0	5.863	N.D.	#
13)	L3 AR-1232-3	5.682	5.135f	176454	18713	3.525	0.800	#
14)	L3 AR-1232-4	5.784f	5.135	188284	18713	7.502	0.903	#
15)	L3 AR-1232-5	5.939	5.328	349524	59874	19.951	2.586	#
16)	L4 AR-1242-1	5.652	0.000	126368	0	2.019	N.D.	#
17)	L4 AR-1242-2	5.682	0.000	176454	0	2.033	N.D.	#
18)	L4 AR-1242-3	5.733	5.135f	87728	18713	1.593	0.478	#
19)	L4 AR-1242-4	5.784f	5.135	188284	18713	4.246	0.498	#
20)	L4 AR-1242-5	6.564	5.682	5254694	103718	103.064	2.149	#
21)	L5 AR-1248-1	5.652	0.000	126368	0	2.611	N.D.	#
22)	L5 AR-1248-2	5.939	5.135	349524	18713	5.764	0.331	#
23)	L5 AR-1248-3	6.146	5.135	-6982	18713	N.D.	0.317	#
24)	L5 AR-1248-4	6.564	5.328	5254694	59874	60.128	0.860	#
25)	L5 AR-1248-5	6.564	5.741	5254694	248985	63.290	3.570	#
26)	L6 AR-1254-1	6.452f	5.682	5836046	103718	67.858	1.038	#
27)	L6 AR-1254-2	6.701	5.833	8762971	481134	67.058	5.575	#
28)	L6 AR-1254-3	7.099	6.248	1545064	77549	11.705	0.603	#
29)	L6 AR-1254-4	7.379	6.468	554635	196262	4.250	2.301	#
30)	L6 AR-1254-5	7.807	6.896	2343370	102647	21.065	0.906	#
31)	L7 AR-1260-1	7.244	6.366	90482	32123	0.967	0.403	#
32)	L7 AR-1260-2	7.475	6.581	98581	465450	0.687	4.589	#
33)	L7 AR-1260-3	7.838	6.652f	3508030	122821	30.807	1.413	#
34)	L7 AR-1260-4	8.077	7.144	853228	315326	7.952	4.374	#
35)	L7 AR-1260-5	8.376	7.416	313521	145645	1.325	0.839	#
36)	L8 AR-1262-1	8.099	6.940	246820	25789	1.852	0.228	#
37)	L8 AR-1262-2	8.376	7.144f	313521	315326	1.151	3.247	#
38)	L8 AR-1262-3	8.726	7.723	3619669	485780	19.510	5.958	#
39)	L8 AR-1262-4	8.774	7.781	284107	215663	2.116	1.534	#
40)	L8 AR-1262-5	9.474	0.000	857575	0	9.275	N.D.	#
41)	L9 AR-1268-1	8.726	7.723	3619669	485780	10.865	2.074	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:12
Operator : YP\AJ
Sample : PB168349BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168349BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.774f	7.781	284107	215663	1.015	1.043
43) L9	AR-1268-3	9.060	8.031f	204364	1656935	0.846	9.783 #
44) L9	AR-1268-4	9.474	0.000	857575	0	8.171	N.D. #
45) L9	AR-1268-5	9.890	8.558	811032	371757	1.198	0.814 #

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

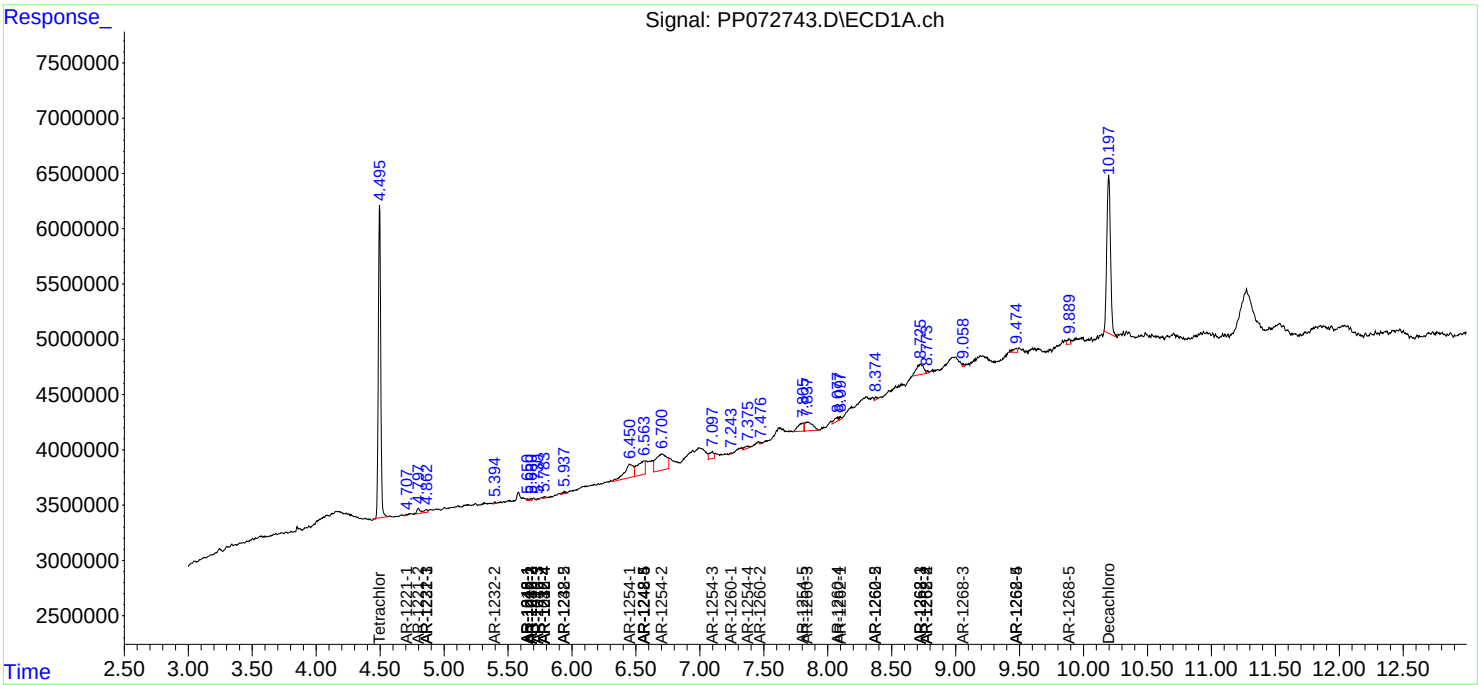
Quantitation Report (Not Reviewed)

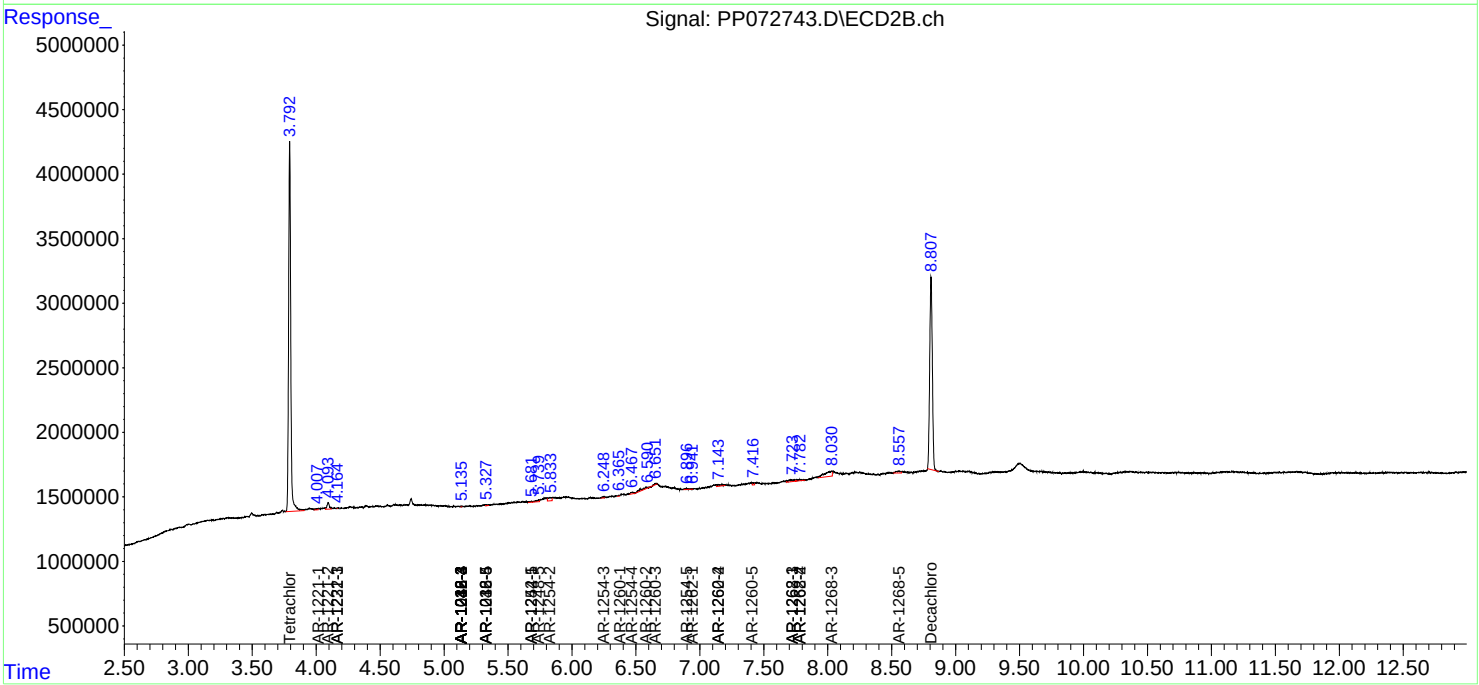
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:12
Operator : YP\AJ
Sample : PB168349BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

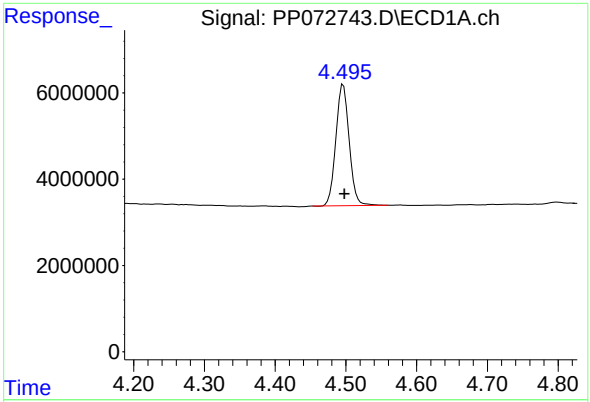
Instrument :
ECD_P
ClientSampleId :
PB168349BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



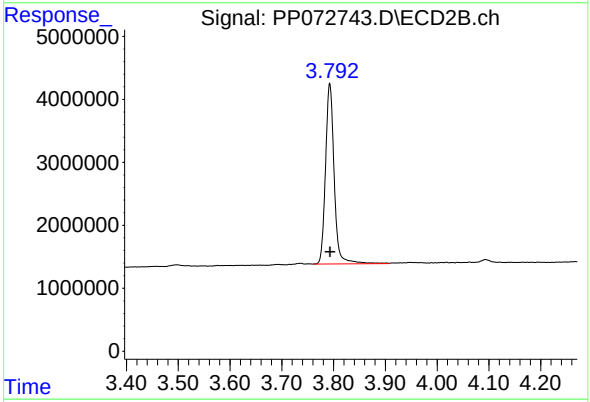




#1 Tetrachloro-m-xylene

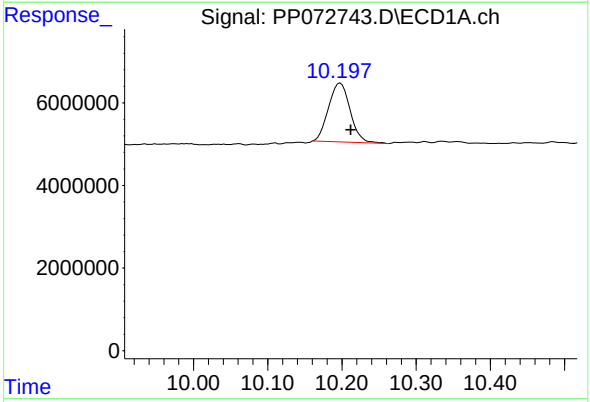
R.T.: 4.496 min
Delta R.T.: -0.002 min
Response: 36837384
Conc: 18.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



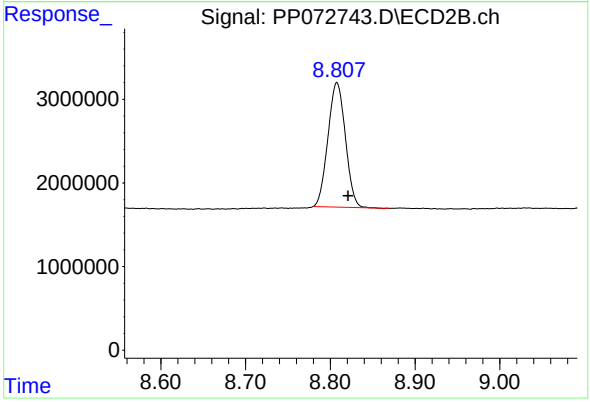
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 33286144
Conc: 20.83 ng/ml



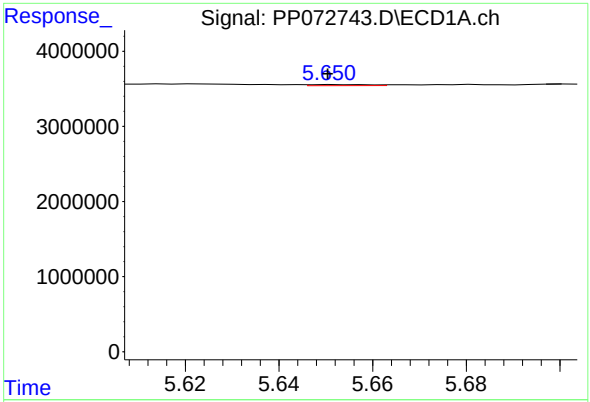
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 28938795
Conc: 17.76 ng/ml



#2 Decachlorobiphenyl

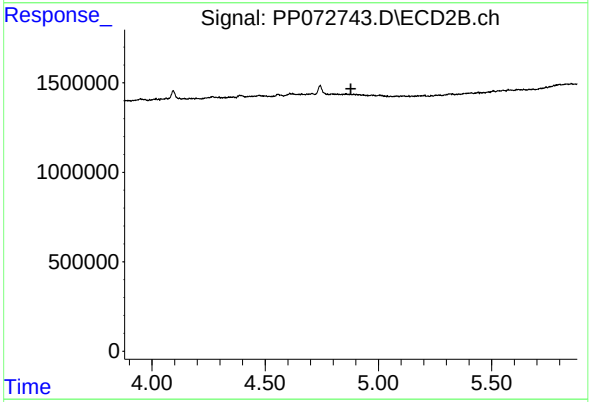
R.T.: 8.808 min
Delta R.T.: -0.013 min
Response: 21271488
Conc: 20.09 ng/ml



#3 AR-1016-1

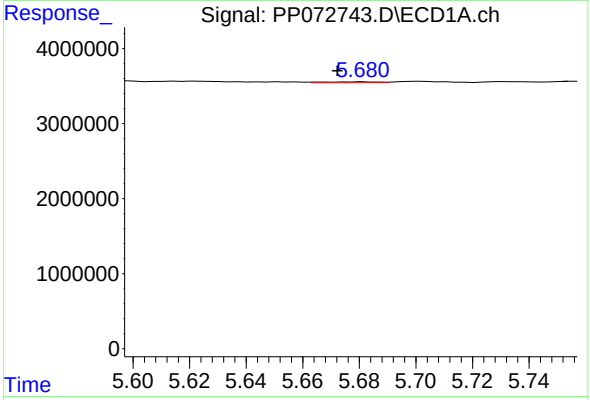
R.T.: 5.652 min
Delta R.T.: 0.001 min
Response: 126368
Conc: 1.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



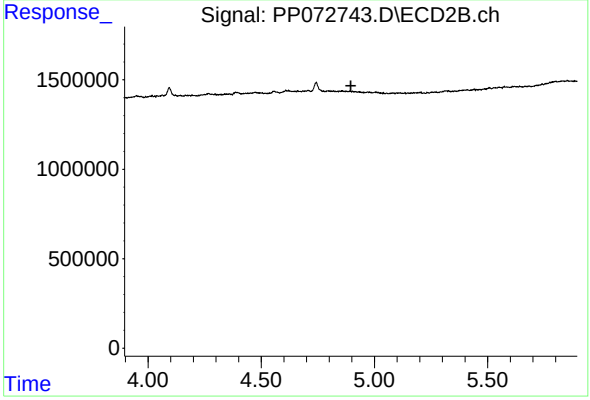
#3 AR-1016-1

R.T.: 0.000 min
Exp R.T. : 4.878 min
Response: 0
Conc: N.D.



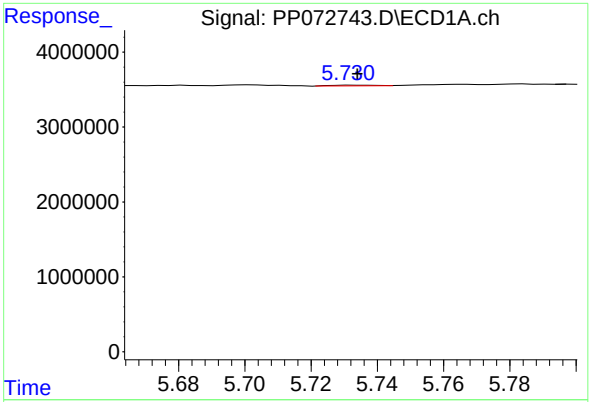
#4 AR-1016-2

R.T.: 5.682 min
Delta R.T.: 0.010 min
Response: 176454
Conc: 1.65 ng/ml



#4 AR-1016-2

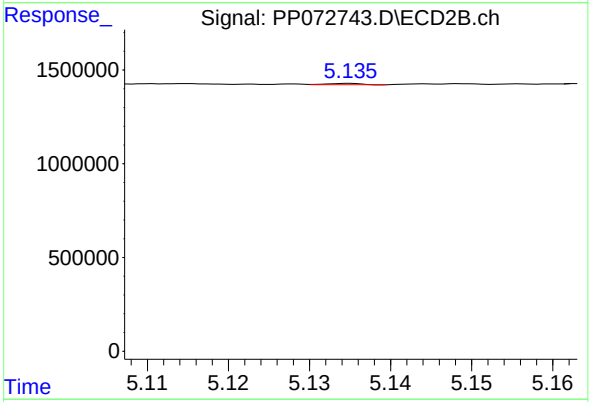
R.T.: 0.000 min
Exp R.T. : 4.896 min
Response: 0
Conc: N.D.



#5 AR-1016-3

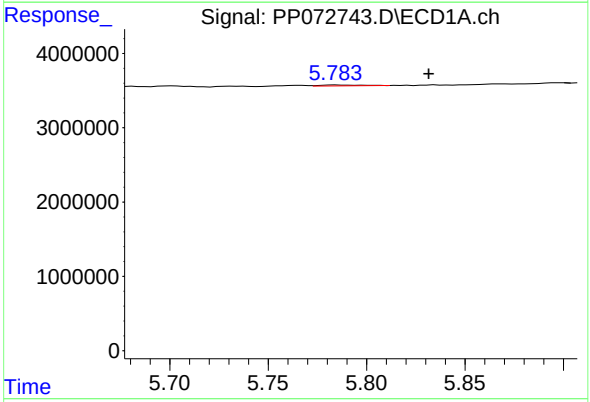
R.T.: 5.733 min
Delta R.T.: -0.001 min
Response: 87728
Conc: 1.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



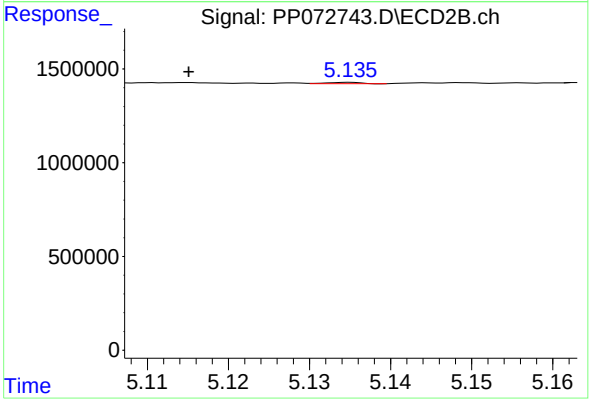
#5 AR-1016-3

R.T.: 5.135 min
Delta R.T.: 0.062 min
Response: 18713
Conc: 0.39 ng/ml



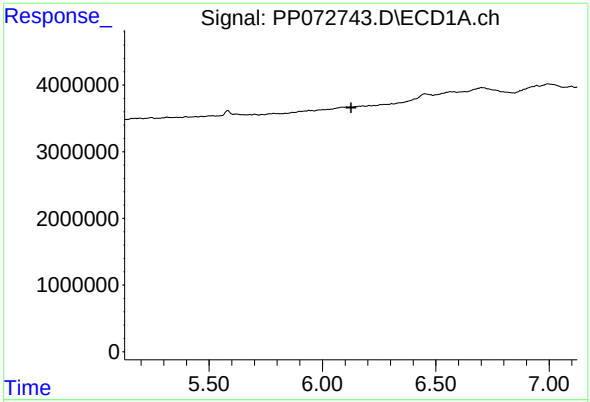
#6 AR-1016-4

R.T.: 5.784 min
Delta R.T.: -0.047 min
Response: 188284
Conc: 3.53 ng/ml



#6 AR-1016-4

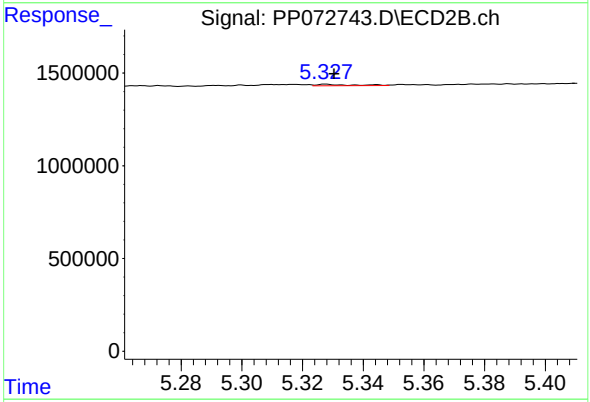
R.T.: 5.135 min
Delta R.T.: 0.020 min
Response: 18713
Conc: 0.49 ng/ml



#7 AR-1016-5

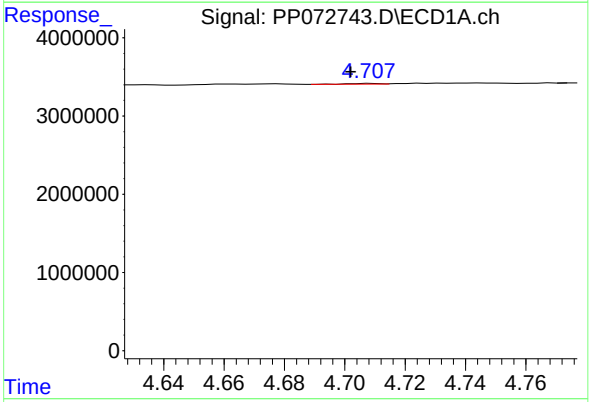
R.T.: 6.146 min
Delta R.T.: 0.019 min
Response: -6982
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
PB168349BL



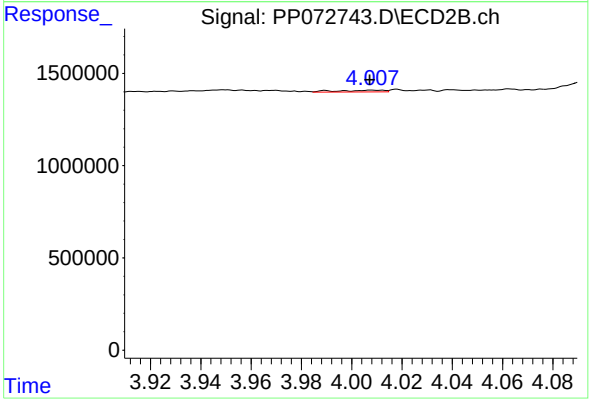
#7 AR-1016-5

R.T.: 5.328 min
Delta R.T.: -0.003 min
Response: 59874
Conc: 1.20 ng/ml



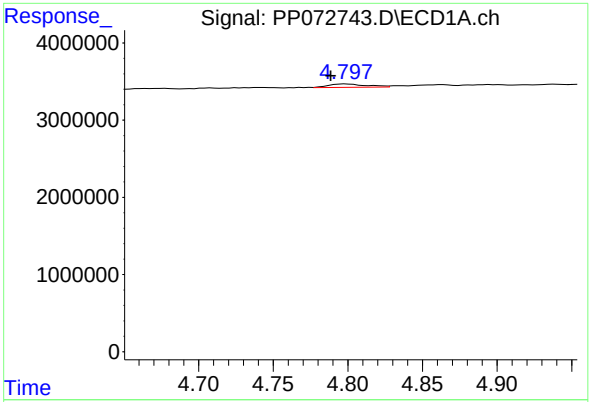
#8 AR-1221-1

R.T.: 4.709 min
Delta R.T.: 0.007 min
Response: 65137
Conc: 2.49 ng/ml



#8 AR-1221-1

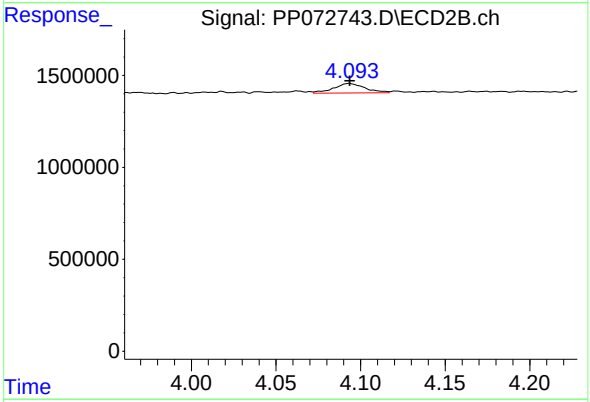
R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 123746
Conc: 4.62 ng/ml



#9 AR-1221-2

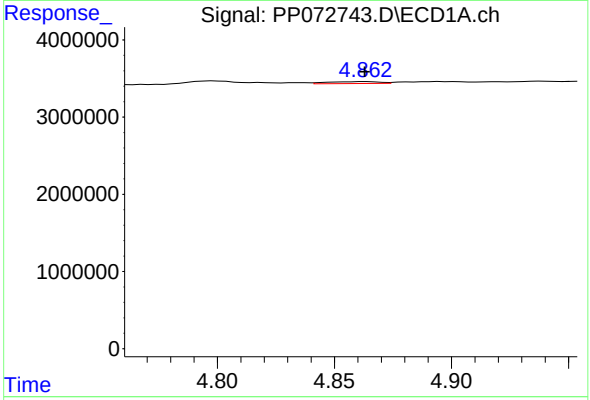
R.T.: 4.798 min
Delta R.T.: 0.010 min
Response: 799309
Conc: 39.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



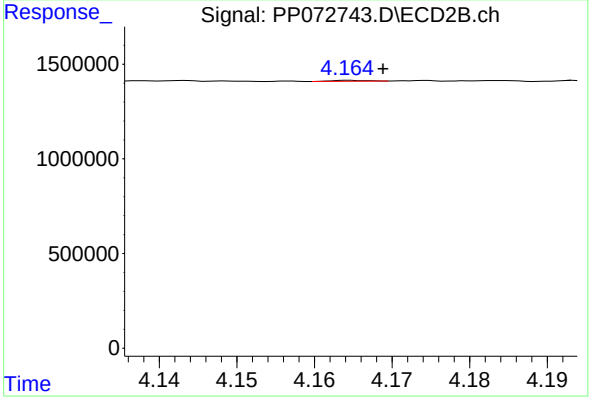
#9 AR-1221-2

R.T.: 4.093 min
Delta R.T.: 0.000 min
Response: 669347
Conc: 32.60 ng/ml



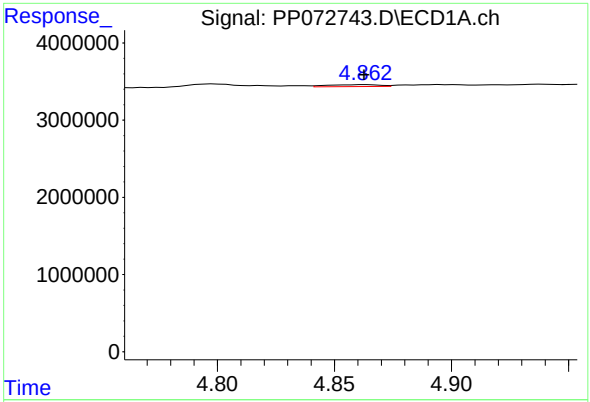
#10 AR-1221-3

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 388257
Conc: 6.42 ng/ml



#10 AR-1221-3

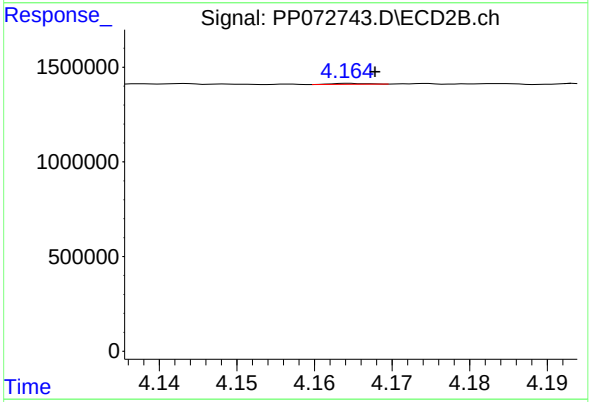
R.T.: 4.165 min
Delta R.T.: -0.004 min
Response: 14385
Conc: 0.24 ng/ml



#11 AR-1232-1

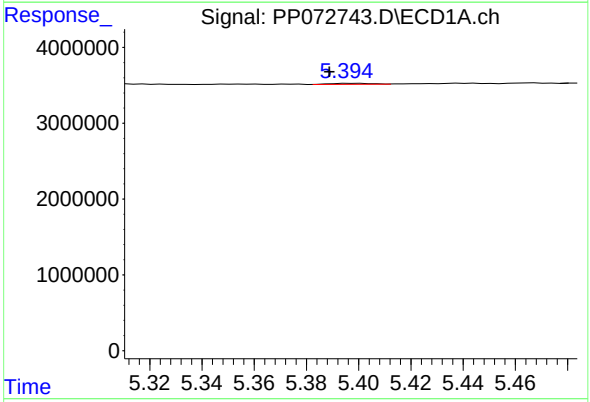
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 388257
Conc: 8.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



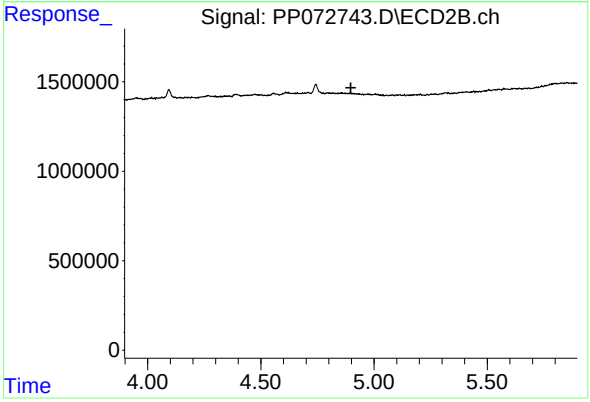
#11 AR-1232-1

R.T.: 4.165 min
Delta R.T.: -0.003 min
Response: 14385
Conc: 0.33 ng/ml



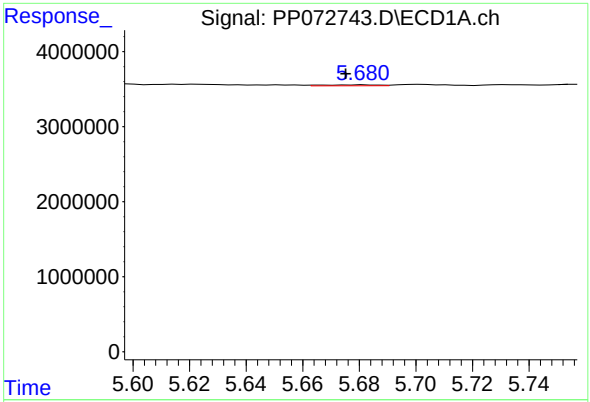
#12 AR-1232-2

R.T.: 5.396 min
Delta R.T.: 0.008 min
Response: 136499
Conc: 5.86 ng/ml



#12 AR-1232-2

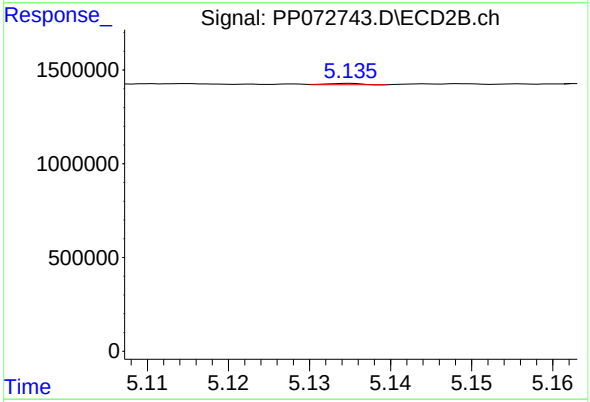
R.T.: 0.000 min
Exp R.T. : 4.898 min
Response: 0
Conc: N.D.



#13 AR-1232-3

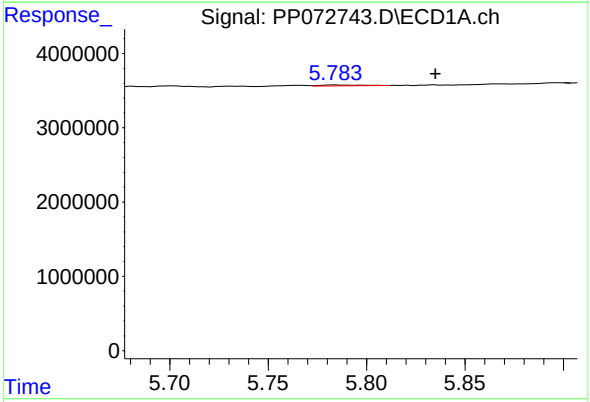
R.T.: 5.682 min
Delta R.T.: 0.007 min
Response: 176454
Conc: 3.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



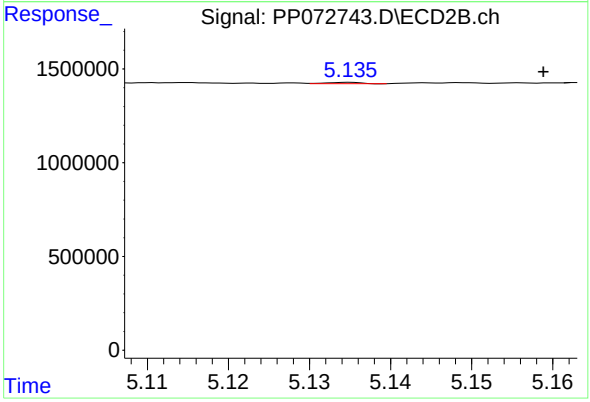
#13 AR-1232-3

R.T.: 5.135 min
Delta R.T.: 0.060 min
Response: 18713
Conc: 0.80 ng/ml



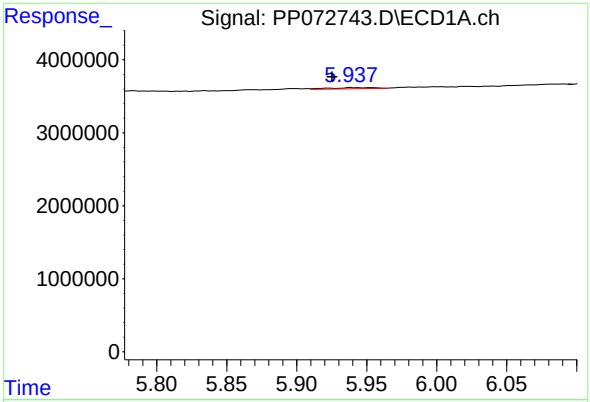
#14 AR-1232-4

R.T.: 5.784 min
Delta R.T.: -0.051 min
Response: 188284
Conc: 7.50 ng/ml



#14 AR-1232-4

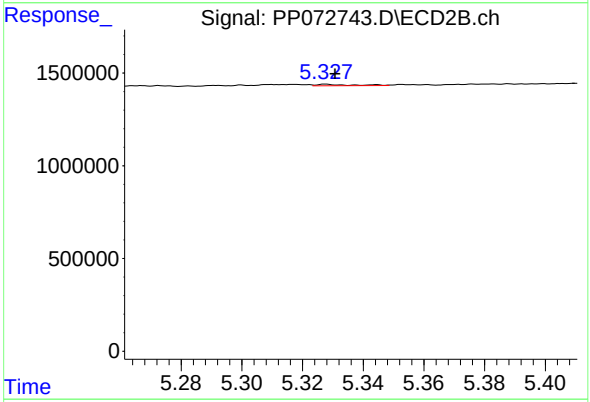
R.T.: 5.135 min
Delta R.T.: -0.024 min
Response: 18713
Conc: 0.90 ng/ml



#15 AR-1232-5

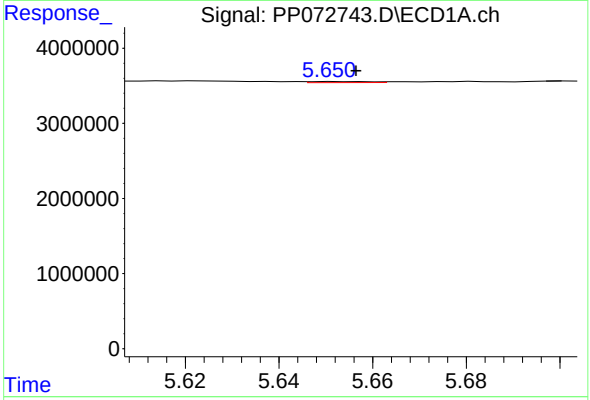
R.T.: 5.939 min
Delta R.T.: 0.014 min
Response: 349524
Conc: 19.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



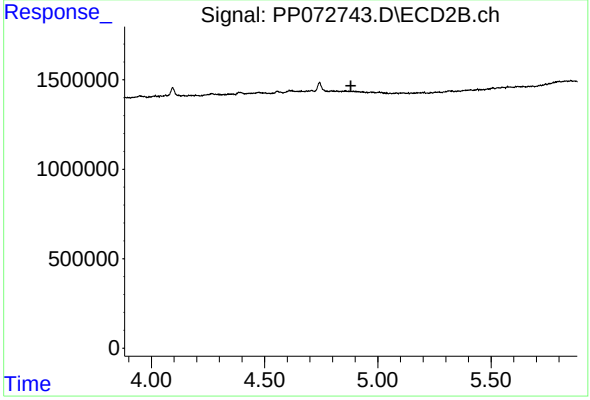
#15 AR-1232-5

R.T.: 5.328 min
Delta R.T.: -0.003 min
Response: 59874
Conc: 2.59 ng/ml



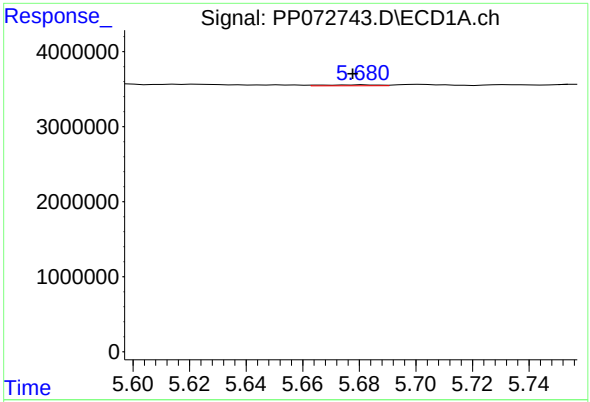
#16 AR-1242-1

R.T.: 5.652 min
Delta R.T.: -0.005 min
Response: 126368
Conc: 2.02 ng/ml



#16 AR-1242-1

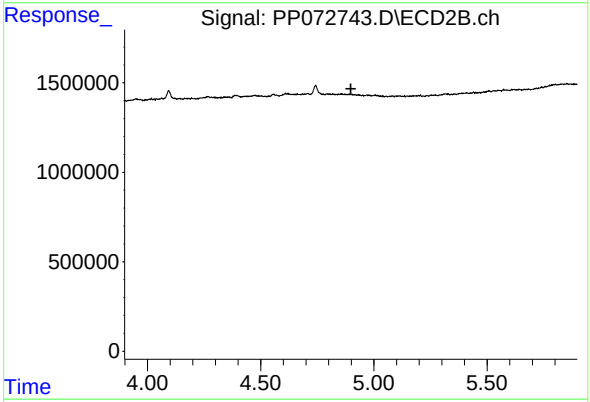
R.T.: 0.000 min
Exp R.T. : 4.881 min
Response: 0
Conc: N.D.



#17 AR-1242-2

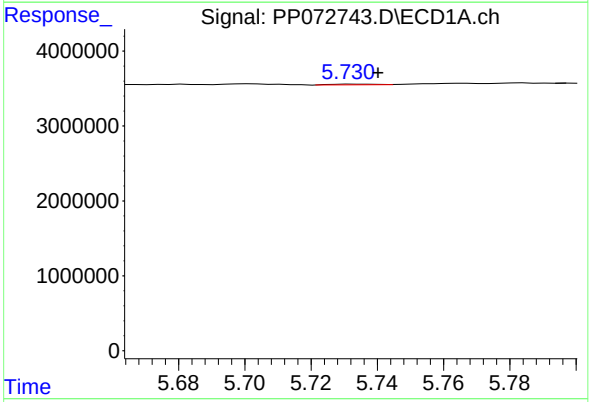
R.T.: 5.682 min
Delta R.T.: 0.004 min
Response: 176454
Conc: 2.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



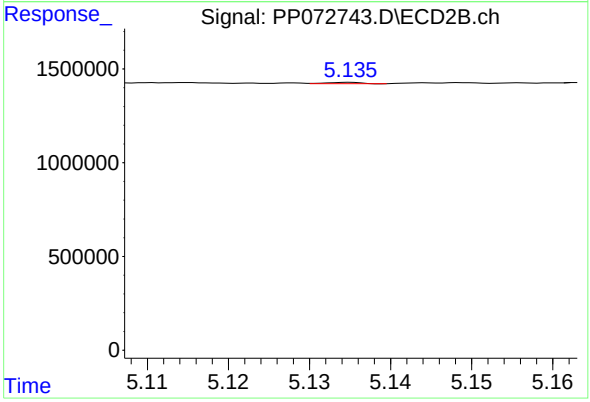
#17 AR-1242-2

R.T.: 0.000 min
Exp R.T. : 4.898 min
Response: 0
Conc: N.D.



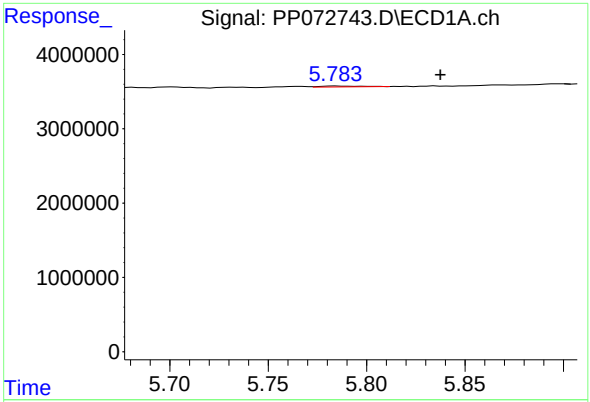
#18 AR-1242-3

R.T.: 5.733 min
Delta R.T.: -0.007 min
Response: 87728
Conc: 1.59 ng/ml



#18 AR-1242-3

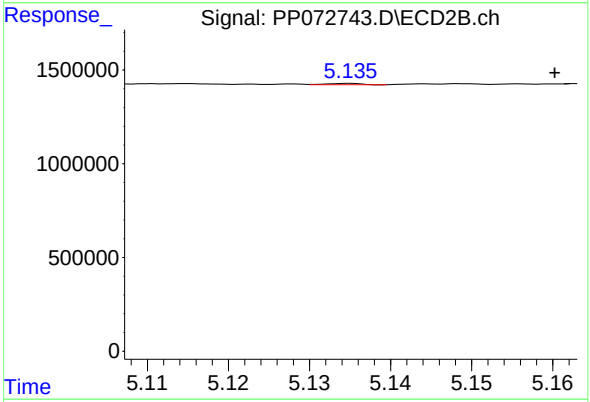
R.T.: 5.135 min
Delta R.T.: 0.059 min
Response: 18713
Conc: 0.48 ng/ml



#19 AR-1242-4

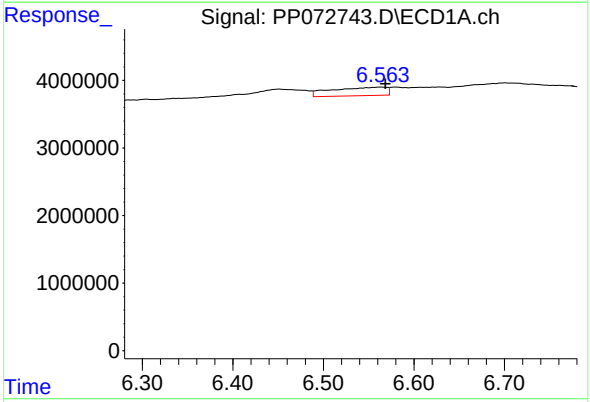
R.T.: 5.784 min
Delta R.T.: -0.053 min
Response: 188284
Conc: 4.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



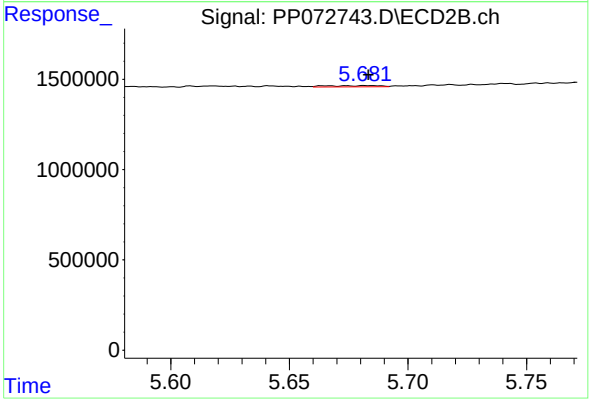
#19 AR-1242-4

R.T.: 5.135 min
Delta R.T.: -0.025 min
Response: 18713
Conc: 0.50 ng/ml



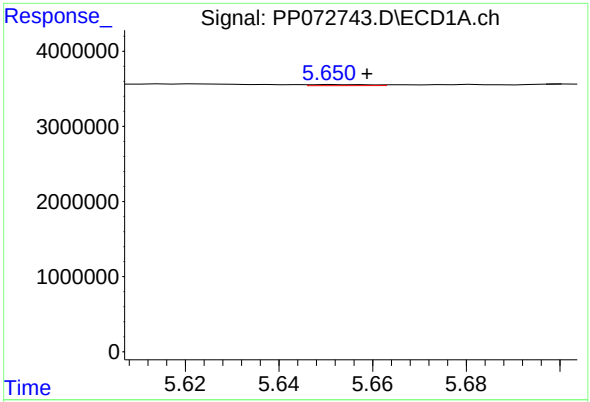
#20 AR-1242-5

R.T.: 6.564 min
Delta R.T.: -0.004 min
Response: 5254694
Conc: 103.06 ng/ml



#20 AR-1242-5

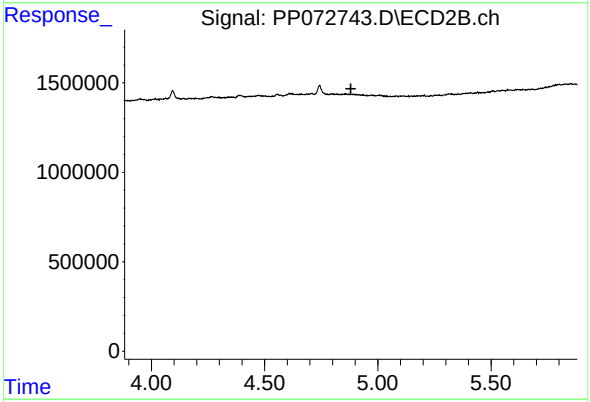
R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 103718
Conc: 2.15 ng/ml



#21 AR-1248-1

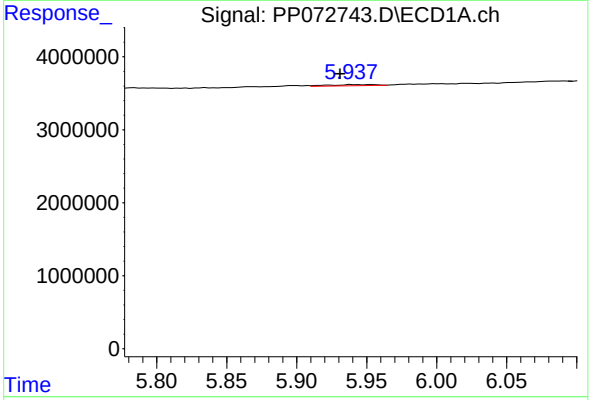
R.T.: 5.652 min
Delta R.T.: -0.007 min
Response: 126368
Conc: 2.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



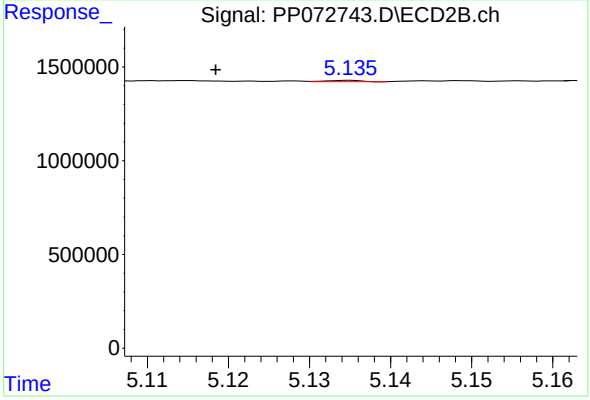
#21 AR-1248-1

R.T.: 0.000 min
Exp R.T. : 4.881 min
Response: 0
Conc: N.D.



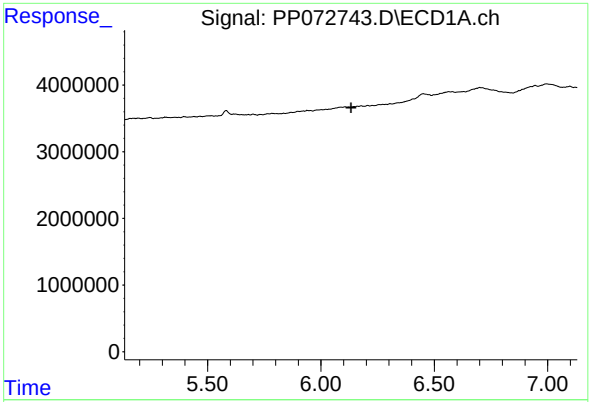
#22 AR-1248-2

R.T.: 5.939 min
Delta R.T.: 0.008 min
Response: 349524
Conc: 5.76 ng/ml



#22 AR-1248-2

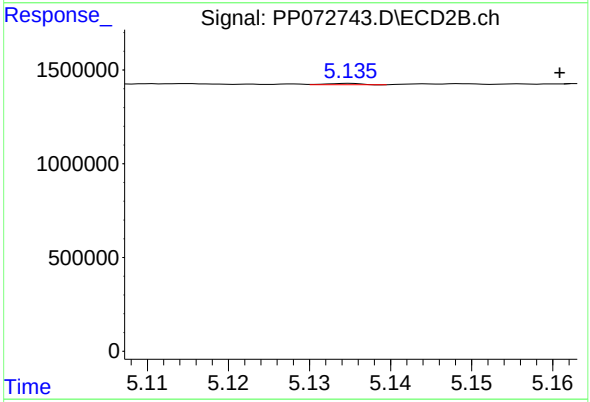
R.T.: 5.135 min
Delta R.T.: 0.016 min
Response: 18713
Conc: 0.33 ng/ml



#23 AR-1248-3

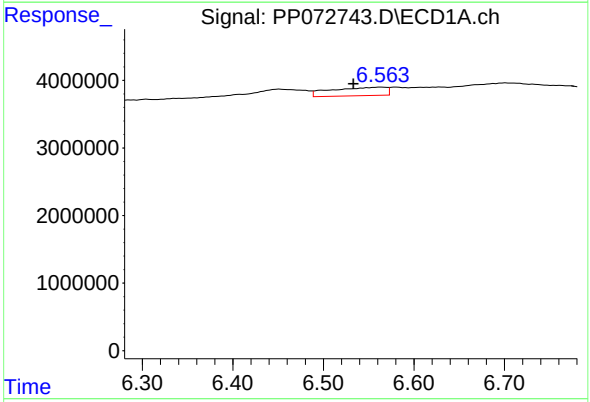
R.T.: 6.146 min
Delta R.T.: 0.013 min
Response: -6982
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
PB168349BL



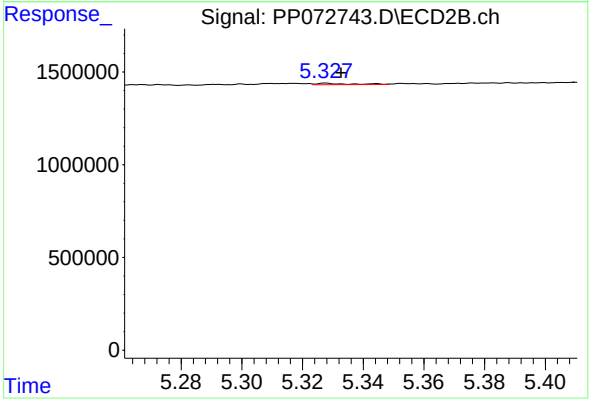
#23 AR-1248-3

R.T.: 5.135 min
Delta R.T.: -0.026 min
Response: 18713
Conc: 0.32 ng/ml



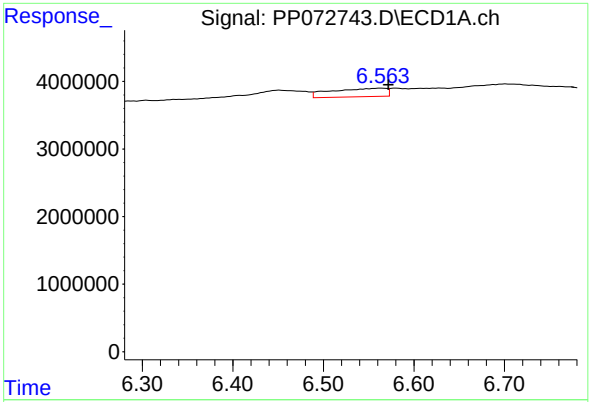
#24 AR-1248-4

R.T.: 6.564 min
Delta R.T.: 0.031 min
Response: 5254694
Conc: 60.13 ng/ml



#24 AR-1248-4

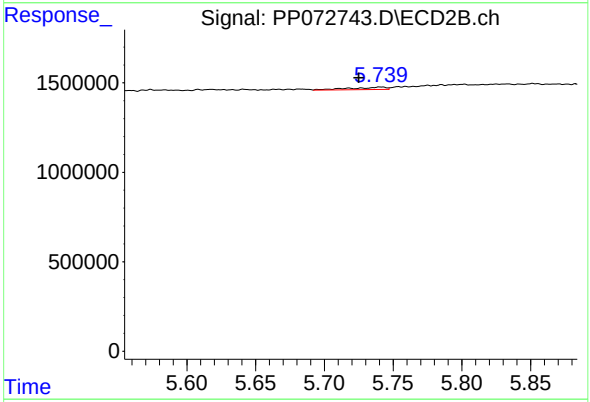
R.T.: 5.328 min
Delta R.T.: -0.005 min
Response: 59874
Conc: 0.86 ng/ml



#25 AR-1248-5

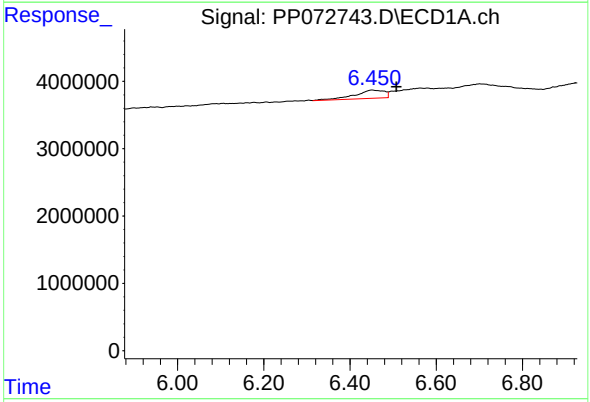
R.T.: 6.564 min
Delta R.T.: -0.008 min
Response: 5254694
Conc: 63.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



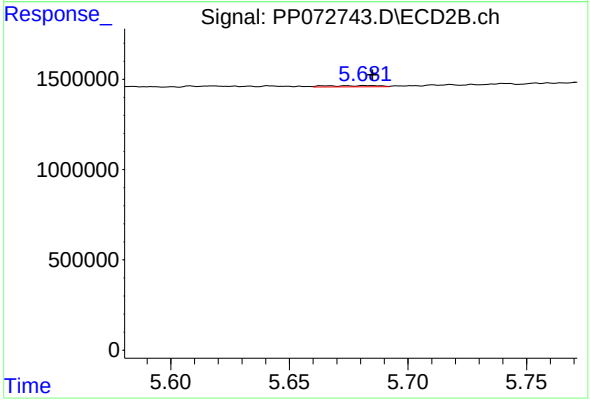
#25 AR-1248-5

R.T.: 5.741 min
Delta R.T.: 0.016 min
Response: 248985
Conc: 3.57 ng/ml



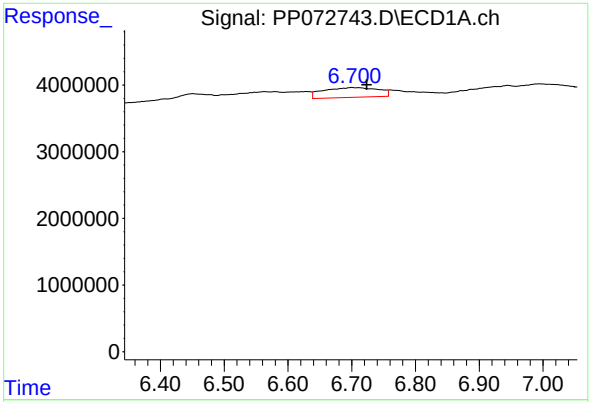
#26 AR-1254-1

R.T.: 6.452 min
Delta R.T.: -0.056 min
Response: 5836046
Conc: 67.86 ng/ml



#26 AR-1254-1

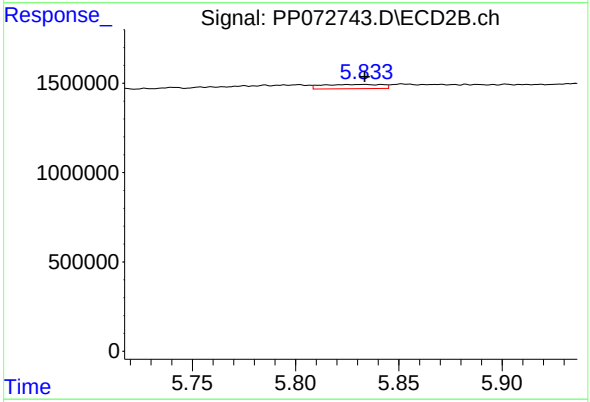
R.T.: 5.682 min
Delta R.T.: -0.003 min
Response: 103718
Conc: 1.04 ng/ml



#27 AR-1254-2

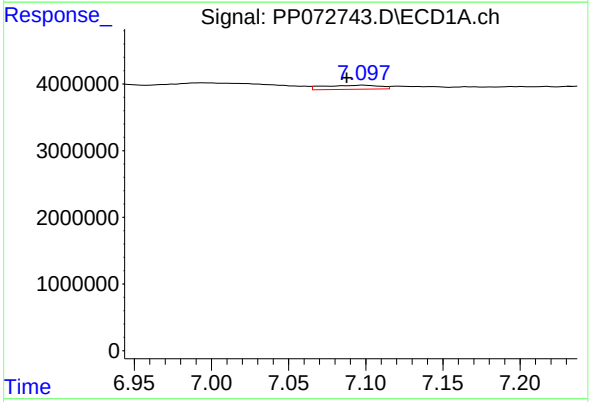
R.T.: 6.701 min
Delta R.T.: -0.022 min
Response: 8762971
Conc: 67.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



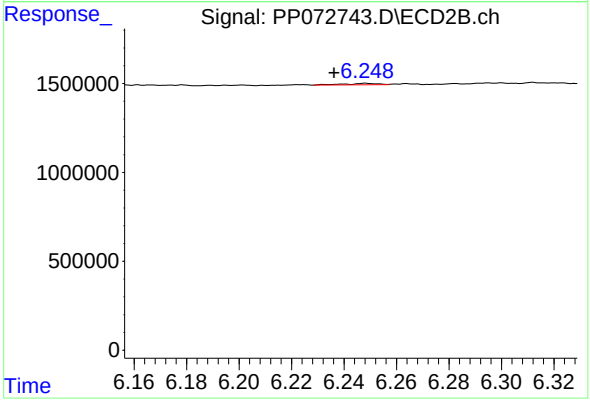
#27 AR-1254-2

R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 481134
Conc: 5.57 ng/ml



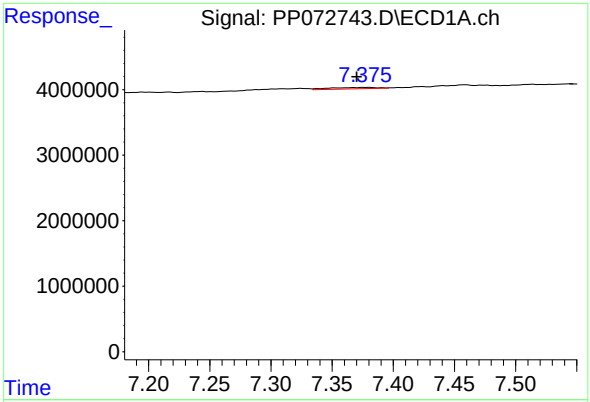
#28 AR-1254-3

R.T.: 7.099 min
Delta R.T.: 0.011 min
Response: 1545064
Conc: 11.70 ng/ml



#28 AR-1254-3

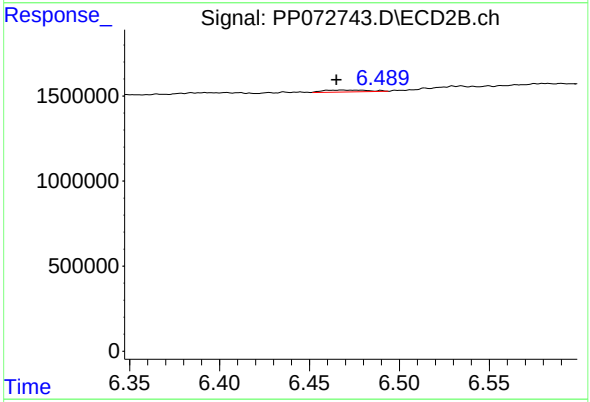
R.T.: 6.248 min
Delta R.T.: 0.012 min
Response: 77549
Conc: 0.60 ng/ml



#29 AR-1254-4

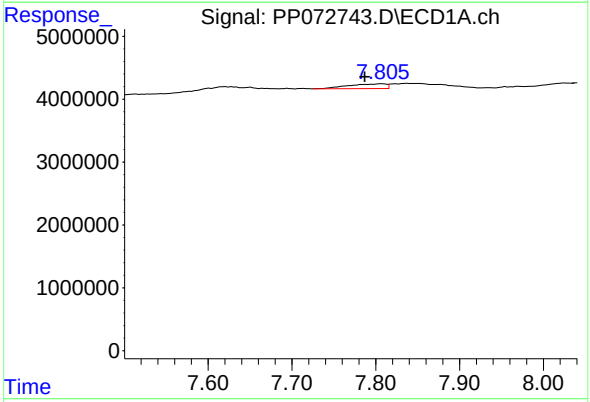
R.T.: 7.379 min
Delta R.T.: 0.009 min
Response: 554635
Conc: 4.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



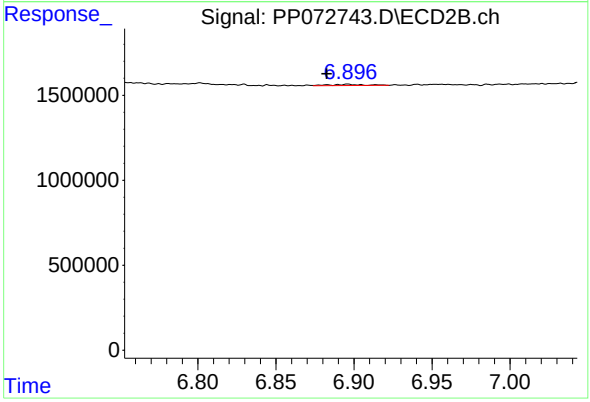
#29 AR-1254-4

R.T.: 6.468 min
Delta R.T.: 0.003 min
Response: 196262
Conc: 2.30 ng/ml



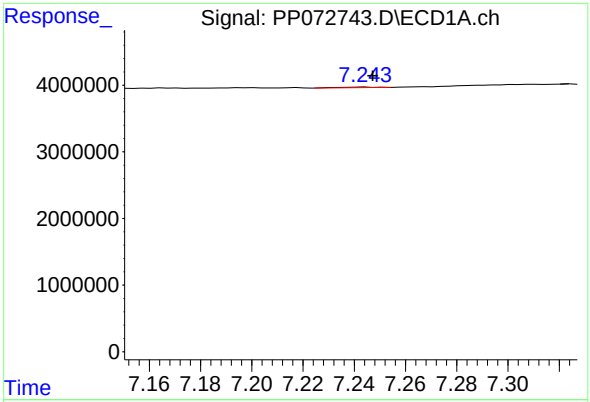
#30 AR-1254-5

R.T.: 7.807 min
Delta R.T.: 0.020 min
Response: 2343370
Conc: 21.06 ng/ml



#30 AR-1254-5

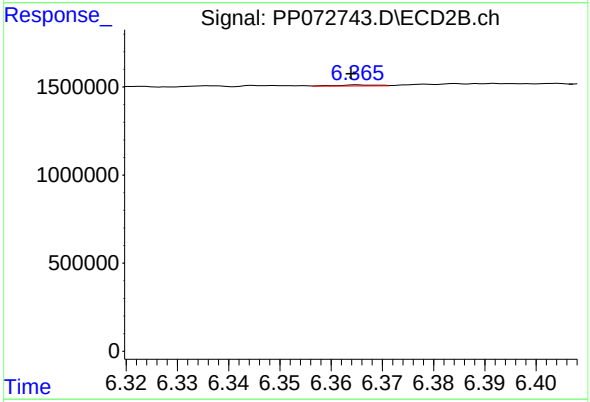
R.T.: 6.896 min
Delta R.T.: 0.014 min
Response: 102647
Conc: 0.91 ng/ml



#31 AR-1260-1

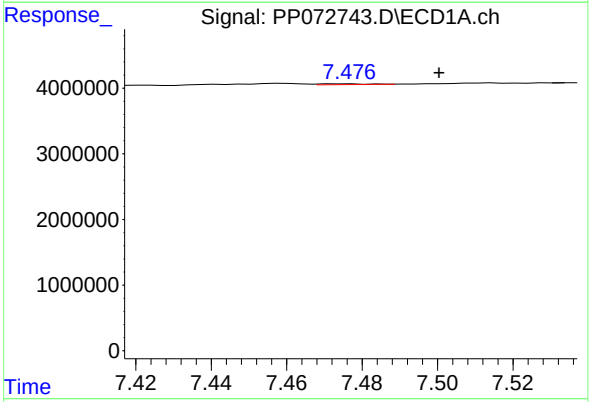
R.T.: 7.244 min
Delta R.T.: -0.003 min
Response: 90482
Conc: 0.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



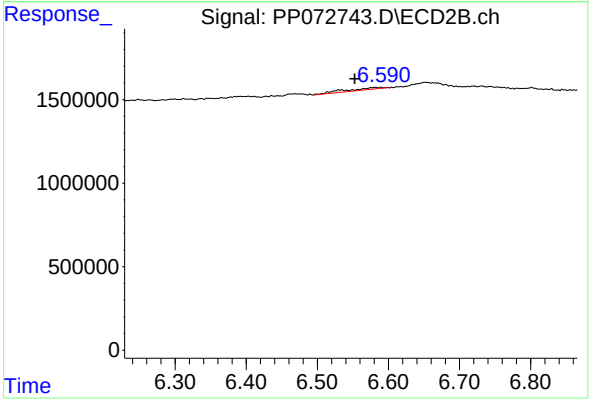
#31 AR-1260-1

R.T.: 6.366 min
Delta R.T.: 0.002 min
Response: 32123
Conc: 0.40 ng/ml



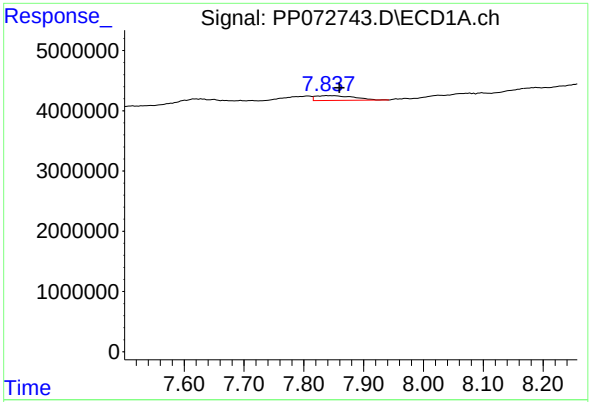
#32 AR-1260-2

R.T.: 7.475 min
Delta R.T.: -0.025 min
Response: 98581
Conc: 0.69 ng/ml



#32 AR-1260-2

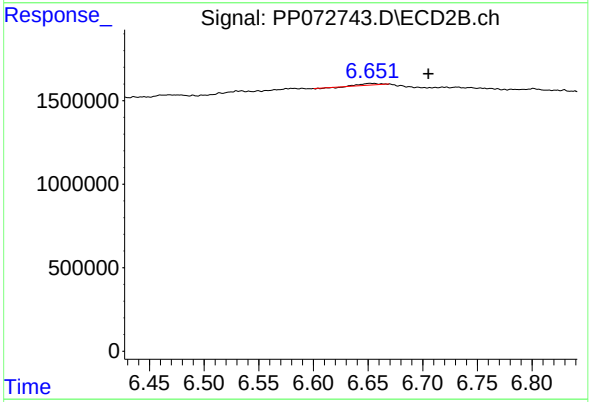
R.T.: 6.581 min
Delta R.T.: 0.029 min
Response: 465450
Conc: 4.59 ng/ml



#33 AR-1260-3

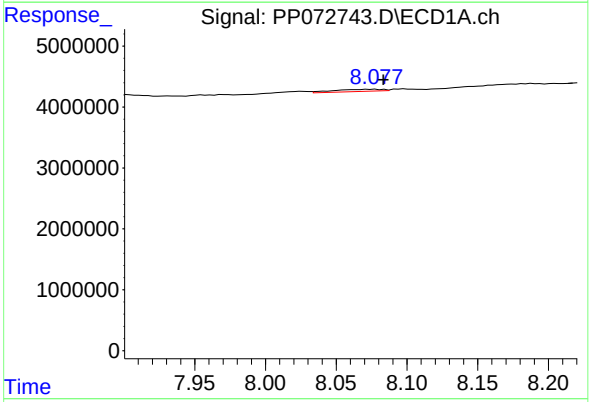
R.T.: 7.838 min
Delta R.T.: -0.022 min
Response: 3508030
Conc: 30.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



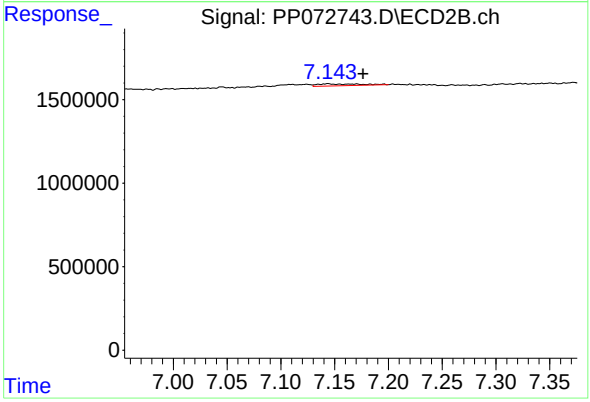
#33 AR-1260-3

R.T.: 6.652 min
Delta R.T.: -0.053 min
Response: 122821
Conc: 1.41 ng/ml



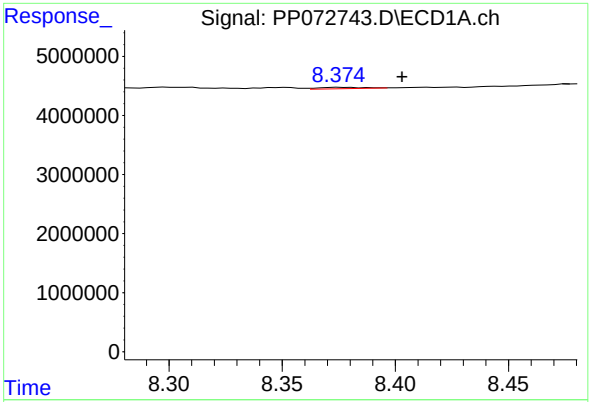
#34 AR-1260-4

R.T.: 8.077 min
Delta R.T.: -0.007 min
Response: 853228
Conc: 7.95 ng/ml



#34 AR-1260-4

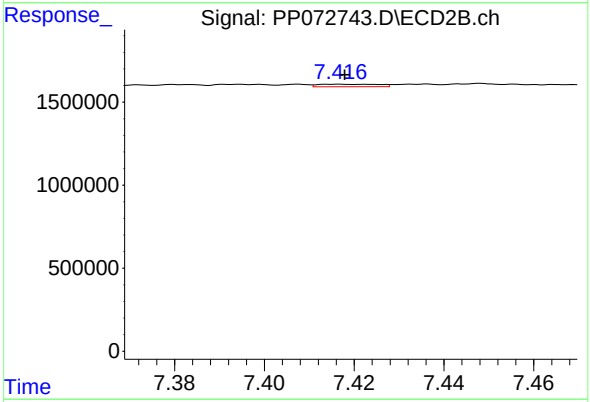
R.T.: 7.144 min
Delta R.T.: -0.033 min
Response: 315326
Conc: 4.37 ng/ml



#35 AR-1260-5

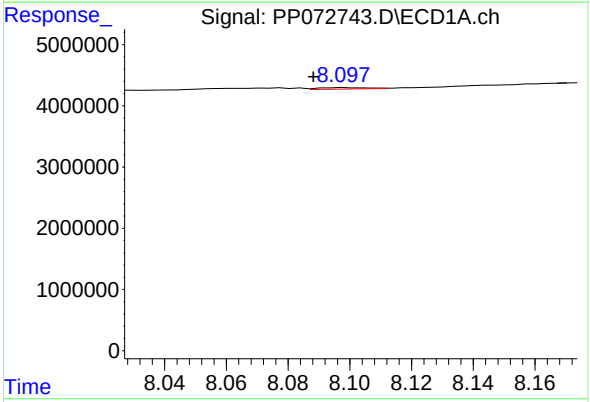
R.T.: 8.376 min
Delta R.T.: -0.027 min
Response: 313521
Conc: 1.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



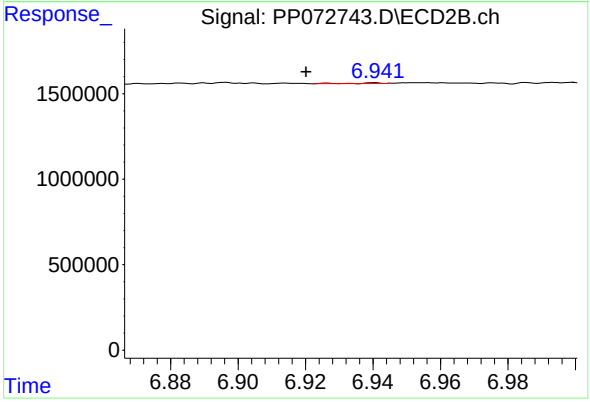
#35 AR-1260-5

R.T.: 7.416 min
Delta R.T.: -0.002 min
Response: 145645
Conc: 0.84 ng/ml



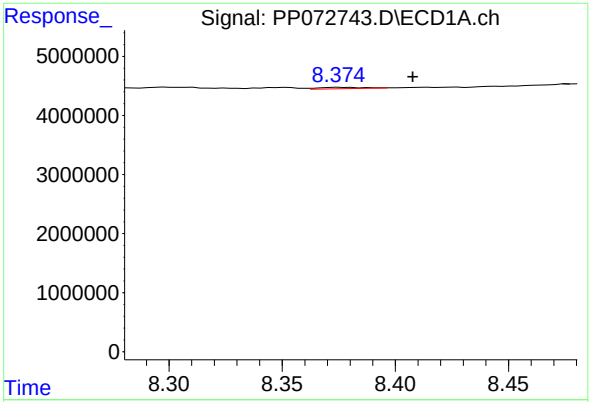
#36 AR-1262-1

R.T.: 8.099 min
Delta R.T.: 0.010 min
Response: 246820
Conc: 1.85 ng/ml



#36 AR-1262-1

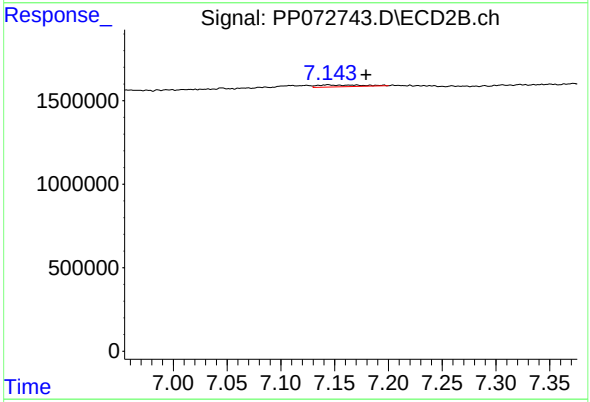
R.T.: 6.940 min
Delta R.T.: 0.020 min
Response: 25789
Conc: 0.23 ng/ml



#37 AR-1262-2

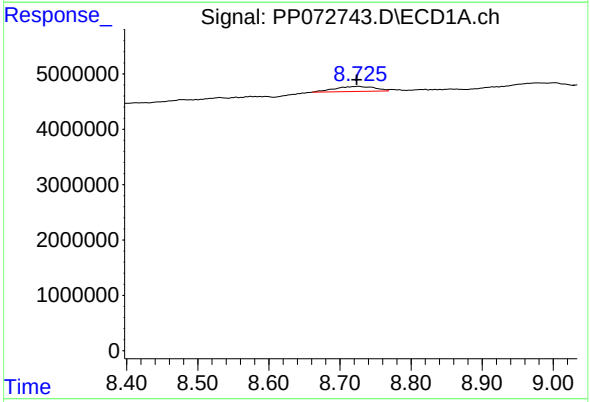
R.T.: 8.376 min
Delta R.T.: -0.032 min
Response: 313521
Conc: 1.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



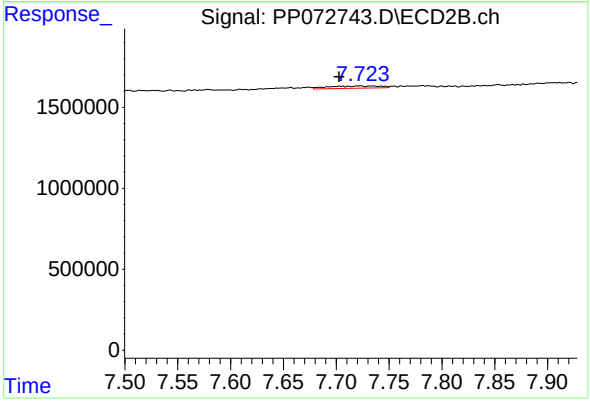
#37 AR-1262-2

R.T.: 7.144 min
Delta R.T.: -0.036 min
Response: 315326
Conc: 3.25 ng/ml



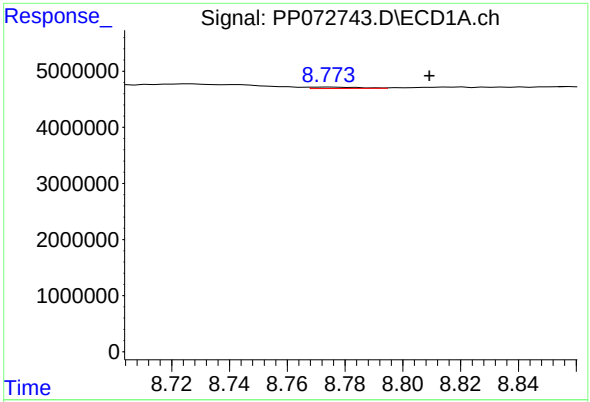
#38 AR-1262-3

R.T.: 8.726 min
Delta R.T.: 0.003 min
Response: 3619669
Conc: 19.51 ng/ml



#38 AR-1262-3

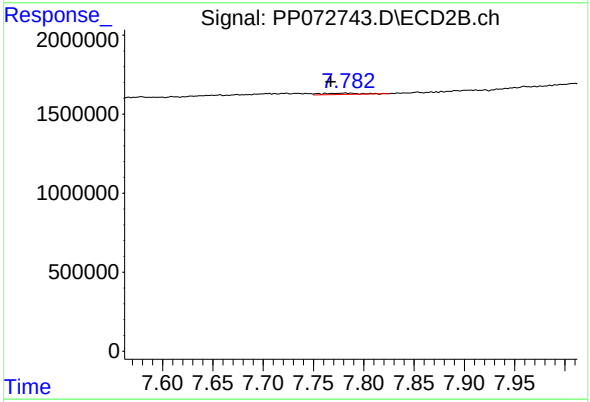
R.T.: 7.723 min
Delta R.T.: 0.020 min
Response: 485780
Conc: 5.96 ng/ml



#39 AR-1262-4

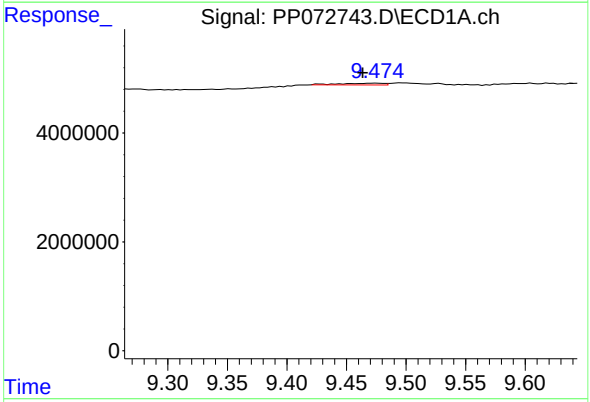
R.T.: 8.774 min
Delta R.T.: -0.035 min
Response: 284107
Conc: 2.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



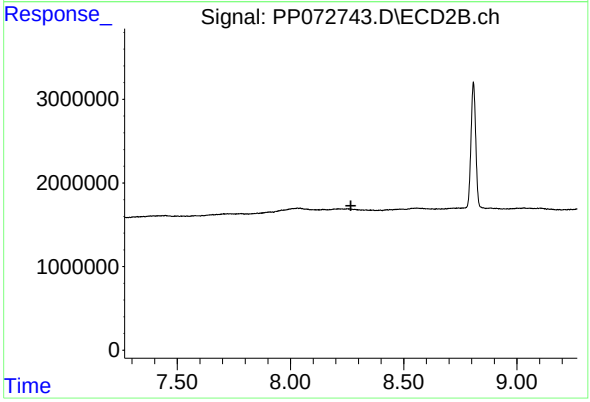
#39 AR-1262-4

R.T.: 7.781 min
Delta R.T.: 0.014 min
Response: 215663
Conc: 1.53 ng/ml



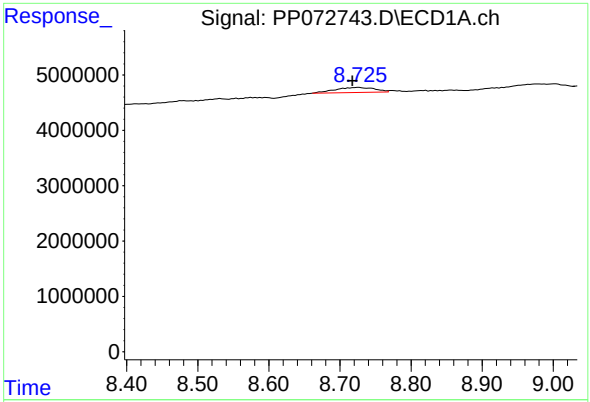
#40 AR-1262-5

R.T.: 9.474 min
Delta R.T.: 0.011 min
Response: 857575
Conc: 9.28 ng/ml



#40 AR-1262-5

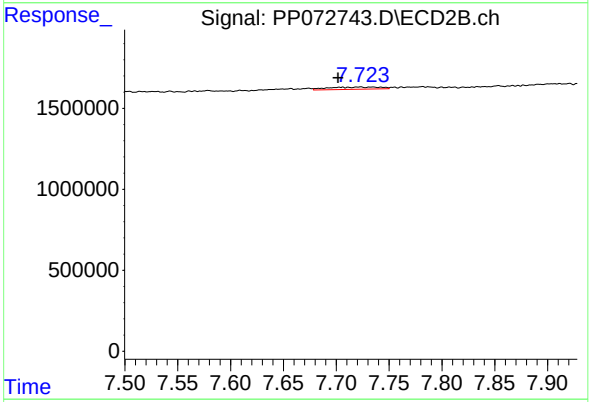
R.T.: 0.000 min
Exp R.T. : 8.267 min
Response: 0
Conc: N.D.



#41 AR-1268-1

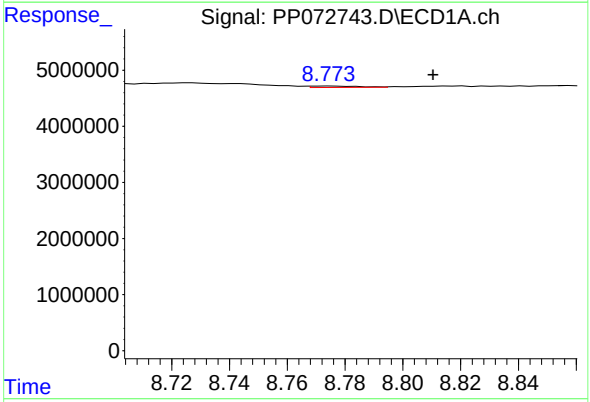
R.T.: 8.726 min
Delta R.T.: 0.009 min
Response: 3619669
Conc: 10.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



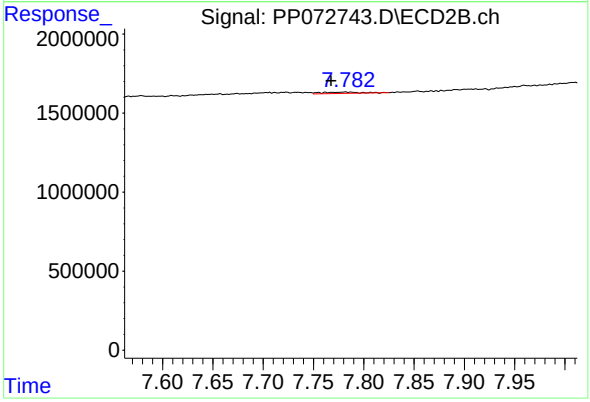
#41 AR-1268-1

R.T.: 7.723 min
Delta R.T.: 0.021 min
Response: 485780
Conc: 2.07 ng/ml



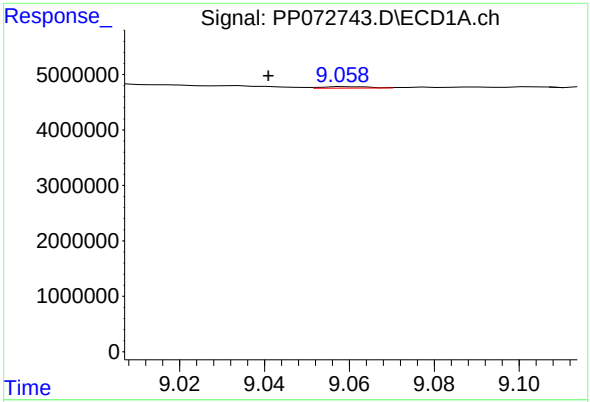
#42 AR-1268-2

R.T.: 8.774 min
Delta R.T.: -0.036 min
Response: 284107
Conc: 1.01 ng/ml



#42 AR-1268-2

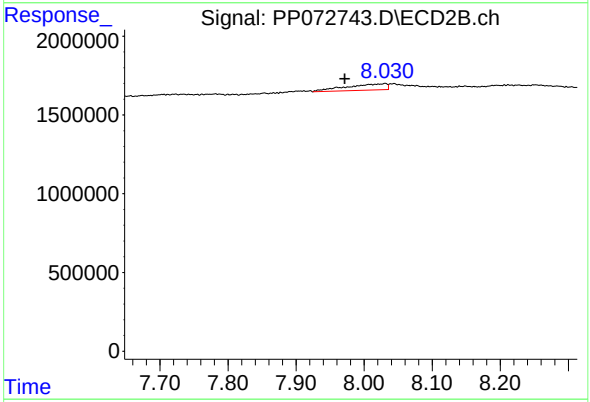
R.T.: 7.781 min
Delta R.T.: 0.014 min
Response: 215663
Conc: 1.04 ng/ml



#43 AR-1268-3

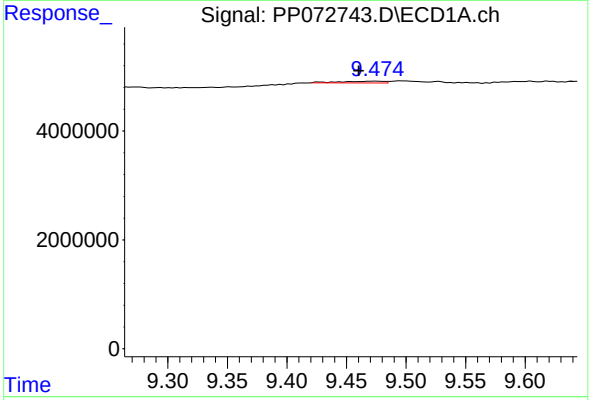
R.T.: 9.060 min
Delta R.T.: 0.019 min
Response: 204364
Conc: 0.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



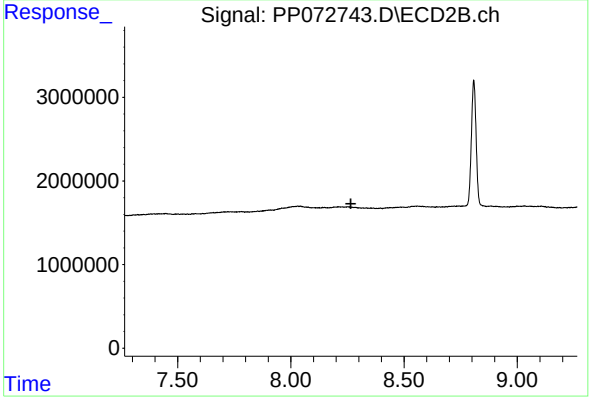
#43 AR-1268-3

R.T.: 8.031 min
Delta R.T.: 0.059 min
Response: 1656935
Conc: 9.78 ng/ml



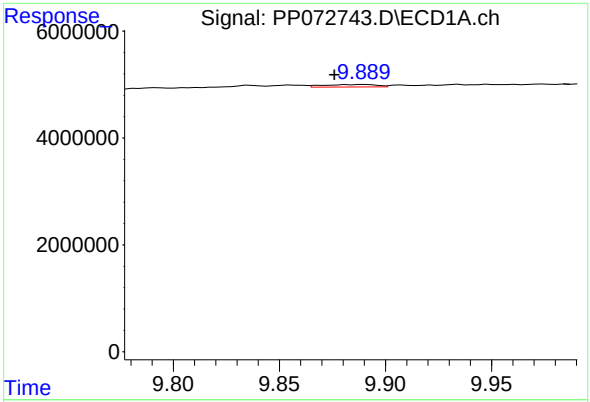
#44 AR-1268-4

R.T.: 9.474 min
Delta R.T.: 0.014 min
Response: 857575
Conc: 8.17 ng/ml



#44 AR-1268-4

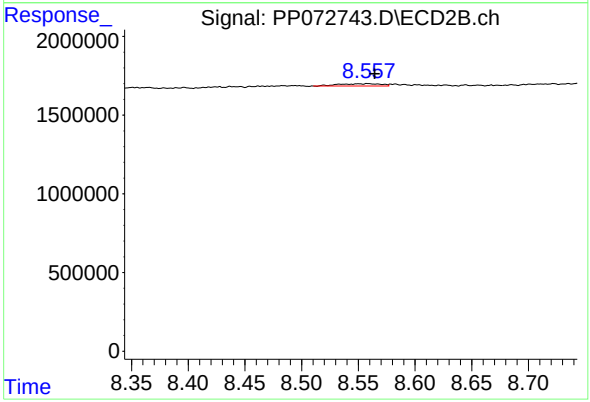
R.T.: 0.000 min
Exp R.T. : 8.265 min
Response: 0
Conc: N.D.



#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.015 min
Response: 811032
Conc: 1.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BL



#45 AR-1268-5

R.T.: 8.558 min
Delta R.T.: -0.006 min
Response: 371757
Conc: 0.81 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:29
Operator : YP\AJ
Sample : PB168349BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168349BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.501	3.793	39754714	32726244	19.771	20.475	
2)	SA Decachlor...	10.200	8.807	32447169	23007956	19.917	21.734	
	Target Compounds							
3)	L1 AR-1016-1	5.653	4.874	26488833	25793148	352.791	419.882	
4)	L1 AR-1016-2	5.675	4.892	41783357	37363808	390.529	425.608	
5)	L1 AR-1016-3	5.736	5.069	24720457	20331138	377.038	426.636	
6)	L1 AR-1016-4	5.834	5.111	21050970	16263694	395.175	427.482	
7)	L1 AR-1016-5	6.126	5.325	18537417	20736686	379.017	416.195	
8)	L2 AR-1221-1	4.699	4.001	2757082	2885784	105.465	107.637	
9)	L2 AR-1221-2	4.788	4.089	3595245	3747713	176.244	182.504	
10)	L2 AR-1221-3	4.863	4.164	15041598	14862712	248.624	252.391	
11)	L3 AR-1232-1	4.863	4.164	15041598	14862712	319.297	342.897	
12)	L3 AR-1232-2	5.388	4.892	20249185	37363808	869.691	845.704	
13)	L3 AR-1232-3	5.675	5.069	41783357	20331138	834.614	869.480	
14)	L3 AR-1232-4	5.834	5.153	21050970	19725240	838.716	951.983	
15)	L3 AR-1232-5	5.924	5.325	16242575	20736686	927.112	895.582	
16)	L4 AR-1242-1	5.653	4.874	26488833	25793148	423.162	494.990	
17)	L4 AR-1242-2	5.675	4.892	41783357	37363808	481.487	508.377	
18)	L4 AR-1242-3	5.736	5.069	24720457	20331138	448.925	519.639	
19)	L4 AR-1242-4	5.834	5.153	21050970	19725240	474.666	524.848	
20)	L4 AR-1242-5	6.565	5.676	2643952	15936985	51.858	330.248	#
21)	L5 AR-1248-1	5.653	4.874	26488833	25793148	547.341	595.387	
22)	L5 AR-1248-2	5.924	5.111	16242575	16263694	267.852	287.969	
23)	L5 AR-1248-3	6.126	5.153	18537417	19725240	280.106	333.720	
24)	L5 AR-1248-4	6.565	5.325	2643952	20736686	30.254	297.715	#
25)	L5 AR-1248-5	6.565	5.716	2643952	2510447	31.845	35.998	
26)	L6 AR-1254-1	6.501	5.676	17043352	15936985	198.171	159.443	
27)	L6 AR-1254-2	6.716	5.824	16096707	15199595	123.179	176.111	#
28)	L6 AR-1254-3	7.080	6.240	8445873	26672513	63.982	207.373	#
29)	L6 AR-1254-4	7.362	6.454	7733671	3338073	59.257	39.135	#
30)	L6 AR-1254-5	7.777	6.870	58561560	47822875	526.412	421.899	
31)	L7 AR-1260-1	7.243	6.356	34870233	35412346	372.566	444.021	
32)	L7 AR-1260-2	7.497	6.545	55245731	42540932	385.015	419.444	
33)	L7 AR-1260-3	7.855	6.697	37863267	38134488	332.511	438.820	#
34)	L7 AR-1260-4	8.079	7.167	36734342	28471511	342.343	394.939	
35)	L7 AR-1260-5	8.398	7.409	83366838	68370408	352.261	393.784	
36)	L8 AR-1262-1	8.079	6.908	36734342	32099212	275.690	283.993	
37)	L8 AR-1262-2	8.398	7.167	83366838	28471511	306.062	293.137	
38)	L8 AR-1262-3	8.721	7.689	51964603	14379128	280.088	176.364	#
39)	L8 AR-1262-4	8.781	7.753	29429543	47596978	219.164	338.469	#
40)	L8 AR-1262-5	9.450	8.252	18145515	15157066	196.251	232.885	
41)	L9 AR-1268-1	8.721	7.689	51964603	14379128	155.979	61.392	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:29
Operator : YP\AJ
Sample : PB168349BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168349BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
42)	L9 AR-1268-2	8.781	7.753	29429543	47596978	105.110	230.138	#
43)	L9 AR-1268-3	9.032	7.958	1542781	1417337	6.389	8.368	#
44)	L9 AR-1268-4	9.450	8.252	18145515	15157066	172.900	207.754	
45)	L9 AR-1268-5	9.862	8.550	5347787	5050355	7.899	11.052	#

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

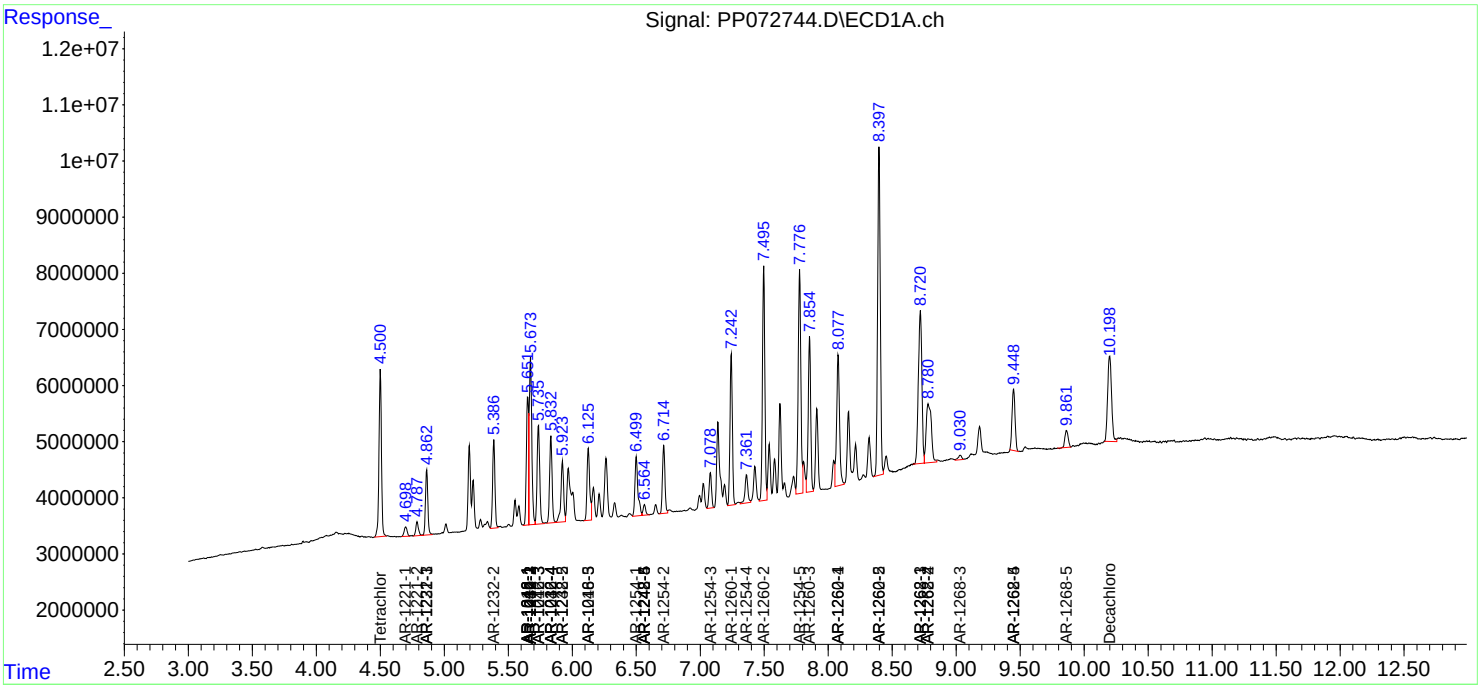
Quantitation Report (Not Reviewed)

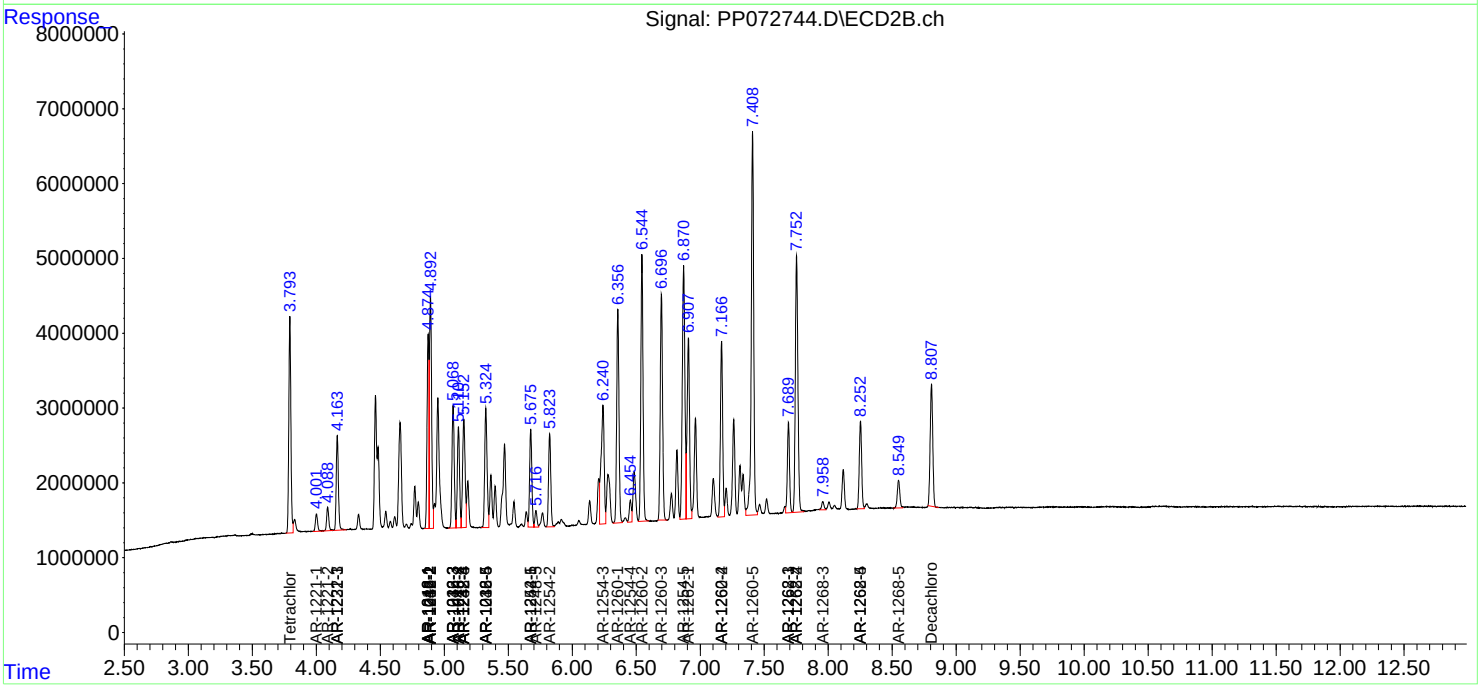
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:29
Operator : YP\AJ
Sample : PB168349BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

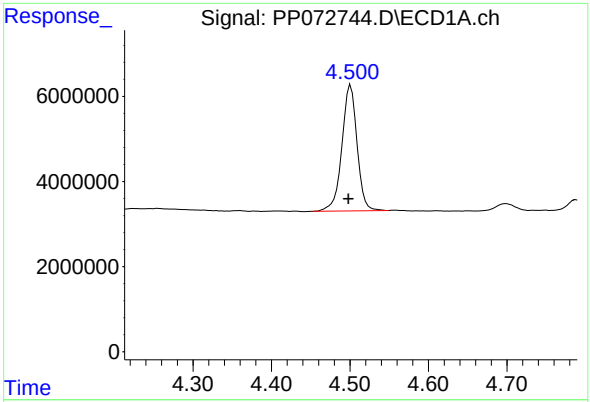
Instrument :
ECD_P
ClientSampleId :
PB168349BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



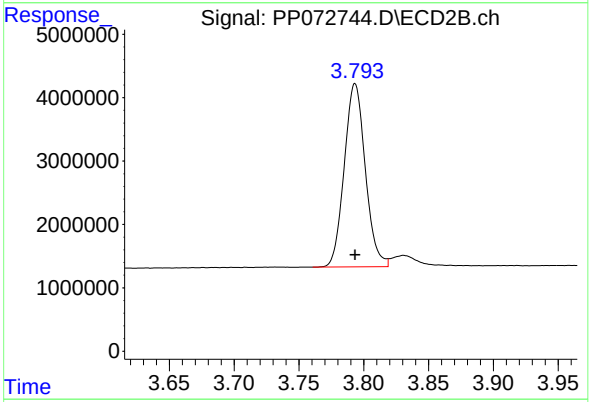




#1 Tetrachloro-m-xylene

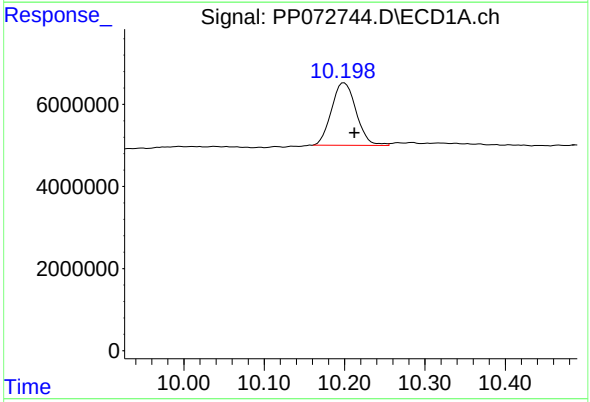
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 39754714
Conc: 19.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



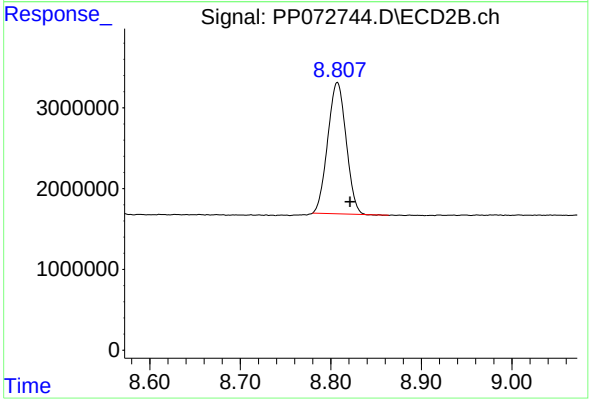
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 32726244
Conc: 20.47 ng/ml



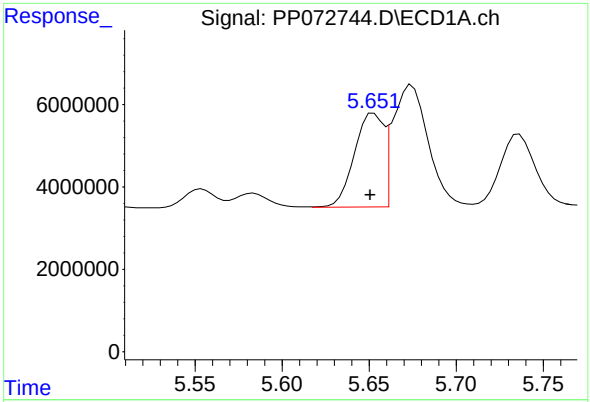
#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.013 min
Response: 32447169
Conc: 19.92 ng/ml



#2 Decachlorobiphenyl

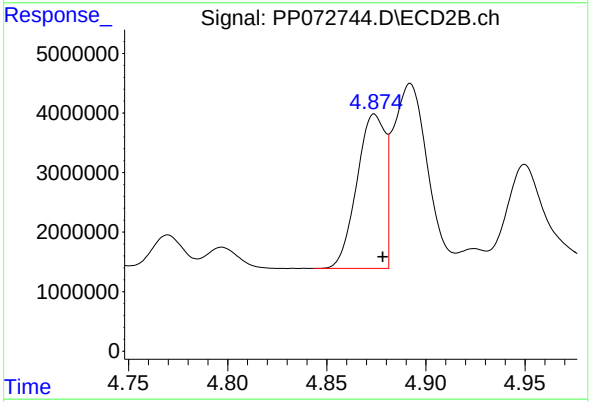
R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 23007956
Conc: 21.73 ng/ml



#3 AR-1016-1

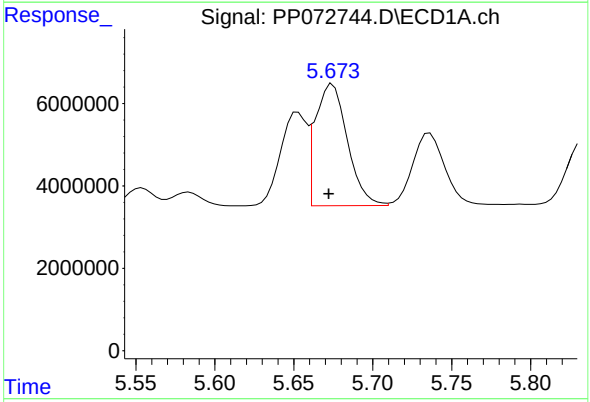
R.T.: 5.653 min
Delta R.T.: 0.002 min
Response: 26488833
Conc: 352.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



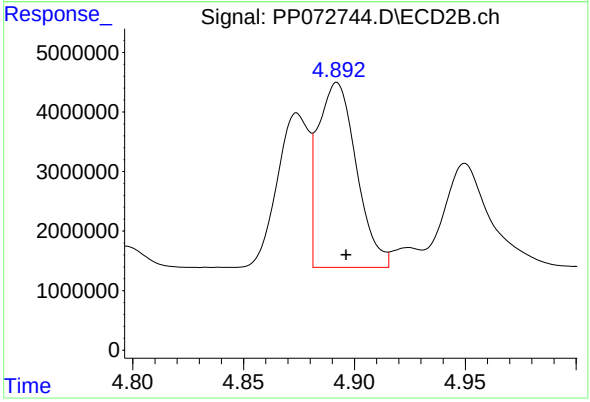
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 25793148
Conc: 419.88 ng/ml



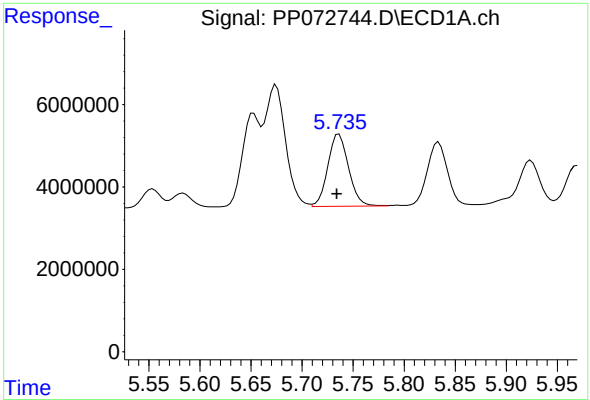
#4 AR-1016-2

R.T.: 5.675 min
Delta R.T.: 0.002 min
Response: 41783357
Conc: 390.53 ng/ml



#4 AR-1016-2

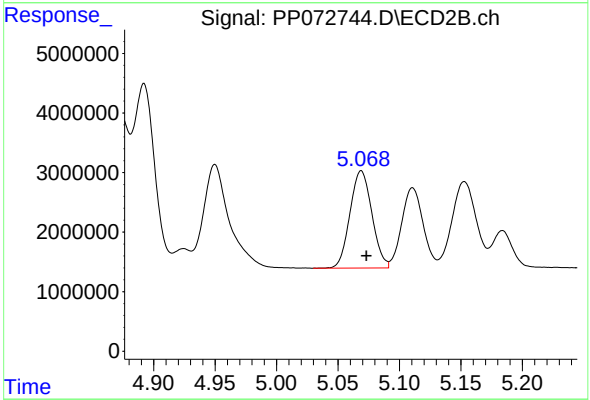
R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 37363808
Conc: 425.61 ng/ml



#5 AR-1016-3

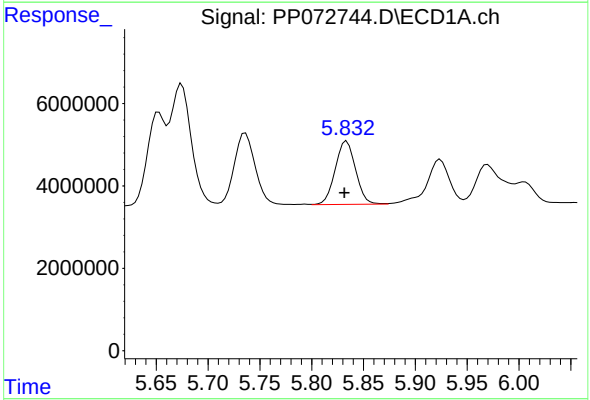
R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 24720457
Conc: 377.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



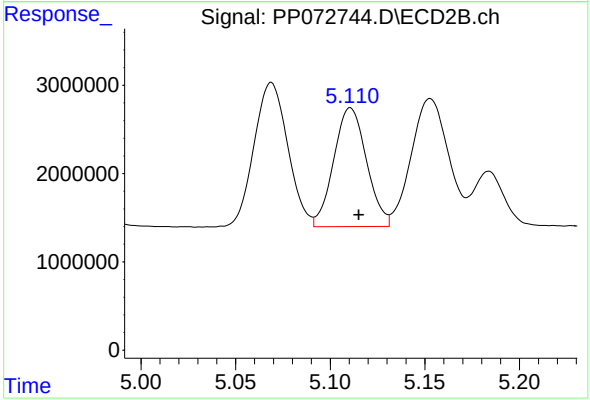
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 20331138
Conc: 426.64 ng/ml



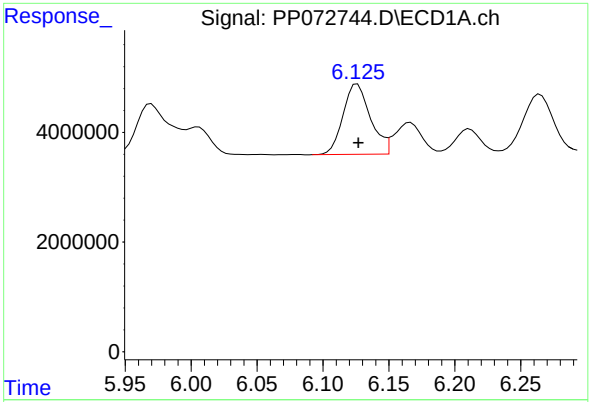
#6 AR-1016-4

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 21050970
Conc: 395.18 ng/ml



#6 AR-1016-4

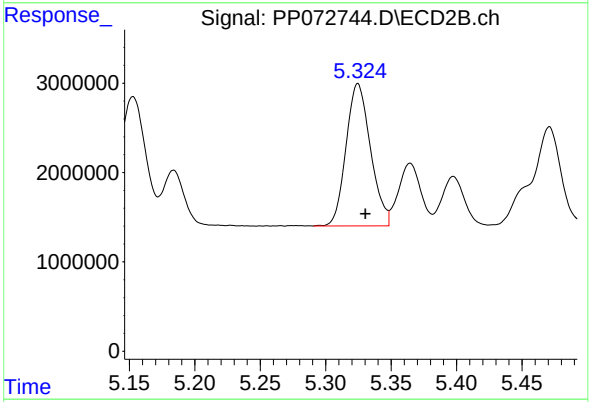
R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 16263694
Conc: 427.48 ng/ml



#7 AR-1016-5

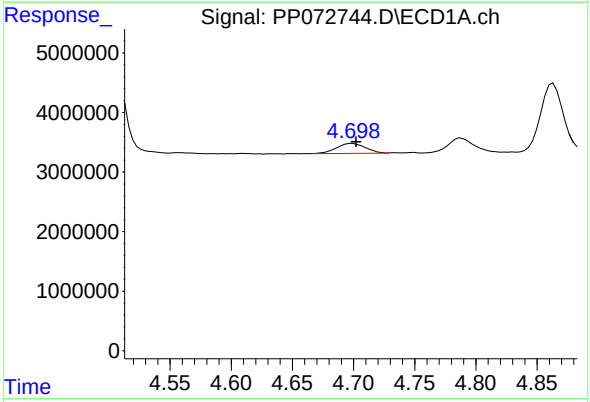
R.T.: 6.126 min
Delta R.T.: 0.000 min
Response: 18537417
Conc: 379.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



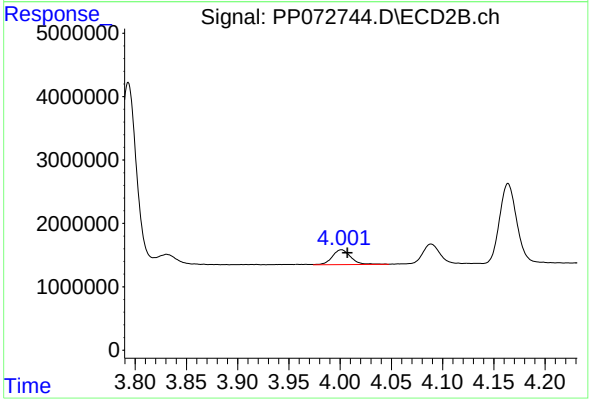
#7 AR-1016-5

R.T.: 5.325 min
Delta R.T.: -0.006 min
Response: 20736686
Conc: 416.20 ng/ml



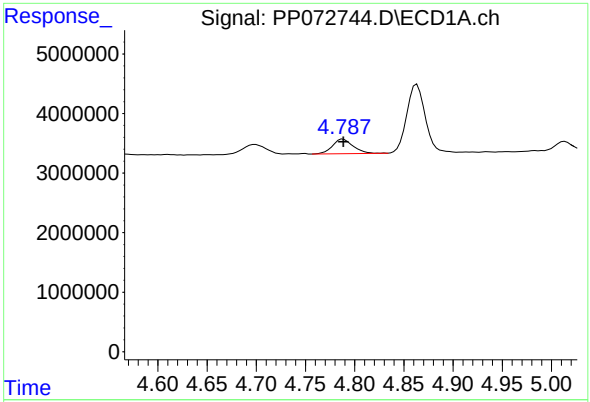
#8 AR-1221-1

R.T.: 4.699 min
Delta R.T.: -0.003 min
Response: 2757082
Conc: 105.46 ng/ml



#8 AR-1221-1

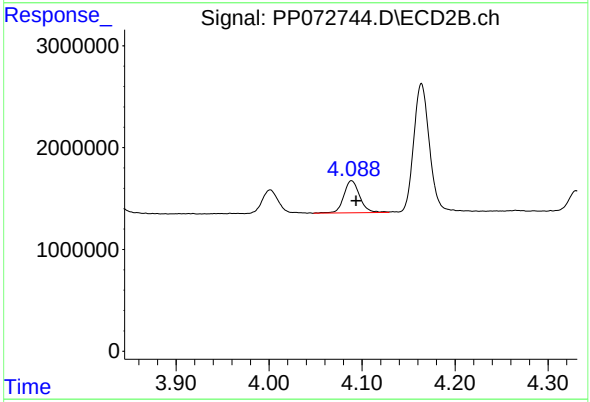
R.T.: 4.001 min
Delta R.T.: -0.006 min
Response: 2885784
Conc: 107.64 ng/ml



#9 AR-1221-2

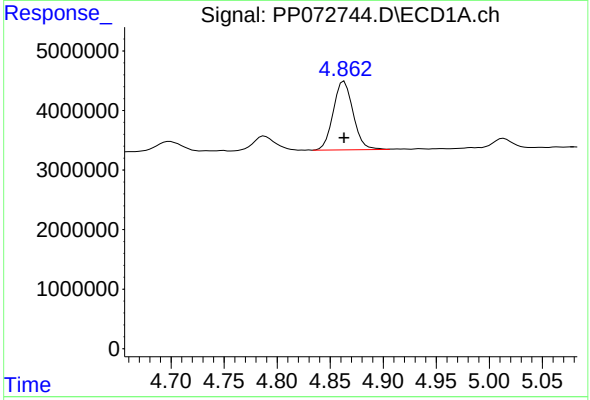
R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 3595245
Conc: 176.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



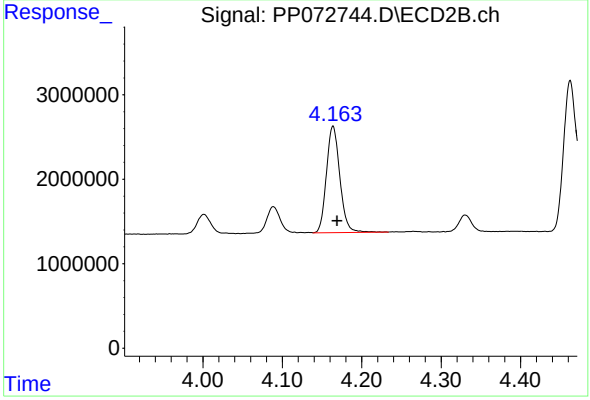
#9 AR-1221-2

R.T.: 4.089 min
Delta R.T.: -0.005 min
Response: 3747713
Conc: 182.50 ng/ml



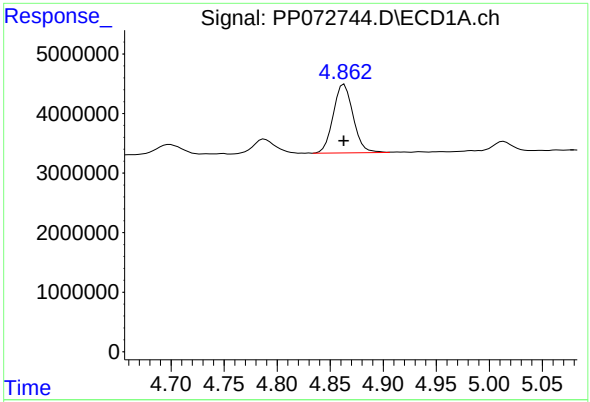
#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 15041598
Conc: 248.62 ng/ml



#10 AR-1221-3

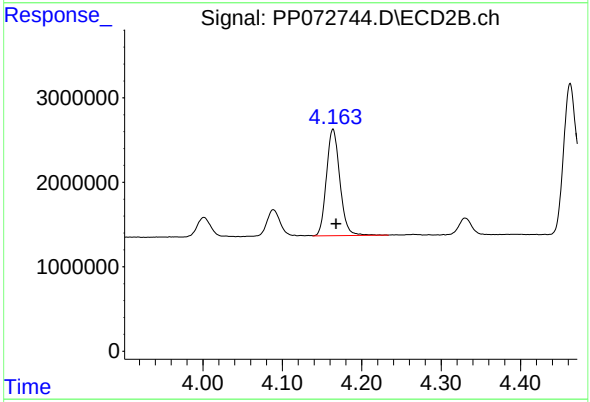
R.T.: 4.164 min
Delta R.T.: -0.005 min
Response: 14862712
Conc: 252.39 ng/ml



#11 AR-1232-1

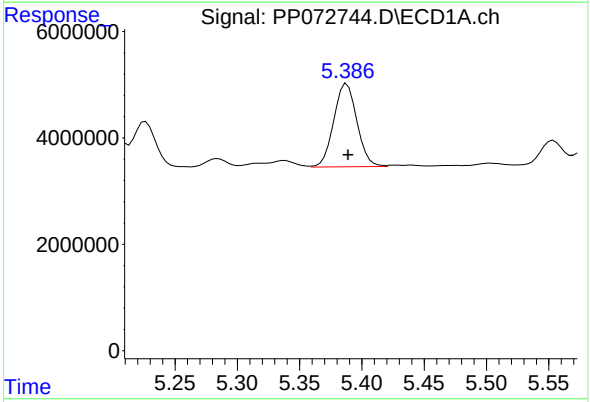
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 15041598
Conc: 319.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



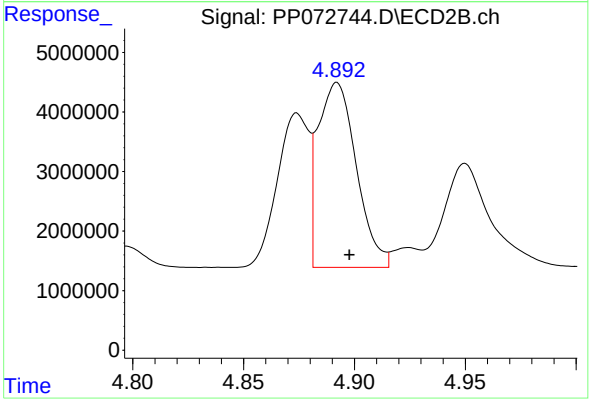
#11 AR-1232-1

R.T.: 4.164 min
Delta R.T.: -0.004 min
Response: 14862712
Conc: 342.90 ng/ml



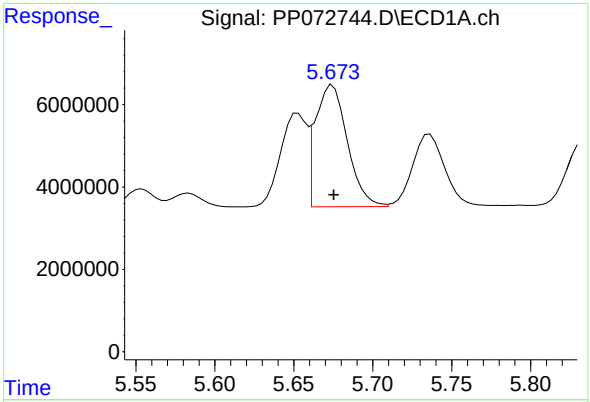
#12 AR-1232-2

R.T.: 5.388 min
Delta R.T.: 0.000 min
Response: 20249185
Conc: 869.69 ng/ml



#12 AR-1232-2

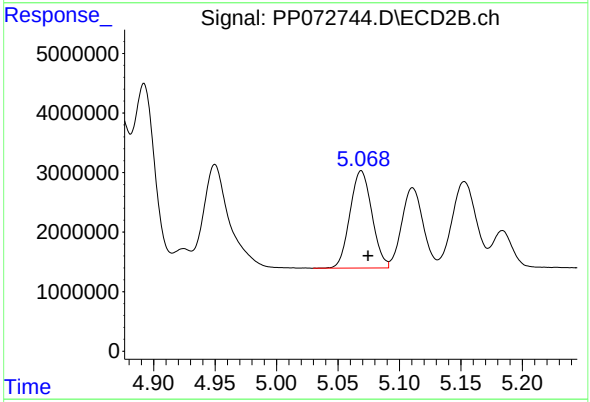
R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 37363808
Conc: 845.70 ng/ml



#13 AR-1232-3

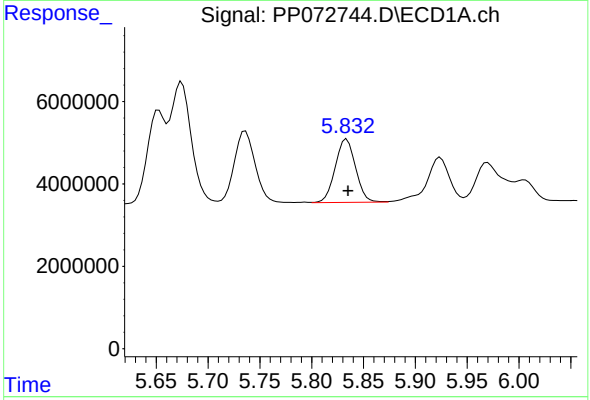
R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 41783357
Conc: 834.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



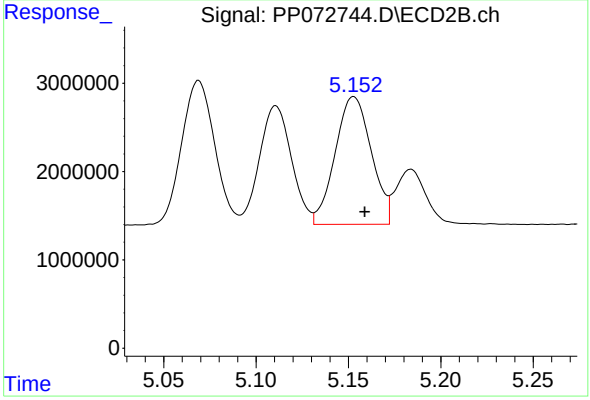
#13 AR-1232-3

R.T.: 5.069 min
Delta R.T.: -0.006 min
Response: 20331138
Conc: 869.48 ng/ml



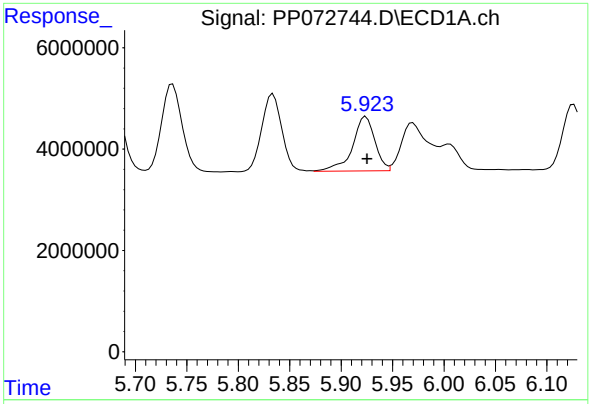
#14 AR-1232-4

R.T.: 5.834 min
Delta R.T.: -0.001 min
Response: 21050970
Conc: 838.72 ng/ml



#14 AR-1232-4

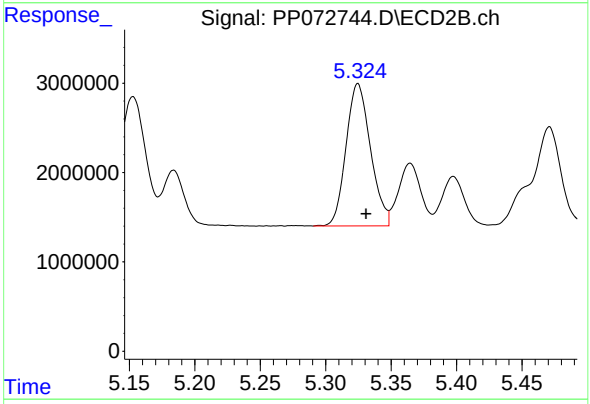
R.T.: 5.153 min
Delta R.T.: -0.006 min
Response: 19725240
Conc: 951.98 ng/ml



#15 AR-1232-5

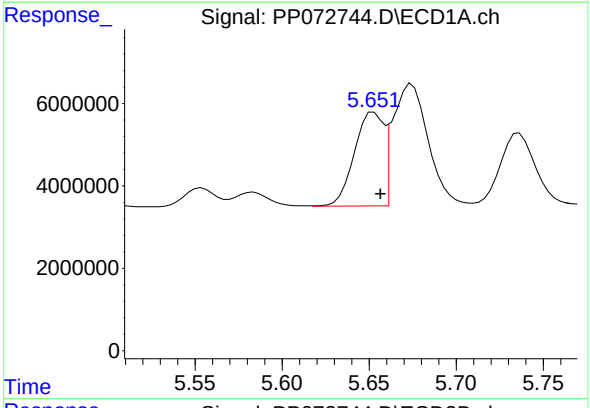
R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 16242575
Conc: 927.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



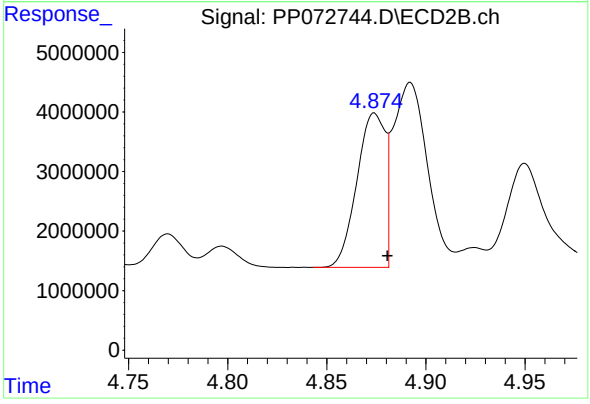
#15 AR-1232-5

R.T.: 5.325 min
Delta R.T.: -0.006 min
Response: 20736686
Conc: 895.58 ng/ml



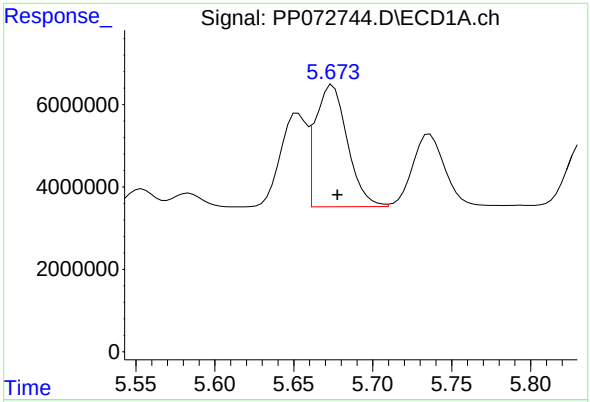
#16 AR-1242-1

R.T.: 5.653 min
Delta R.T.: -0.004 min
Response: 26488833
Conc: 423.16 ng/ml



#16 AR-1242-1

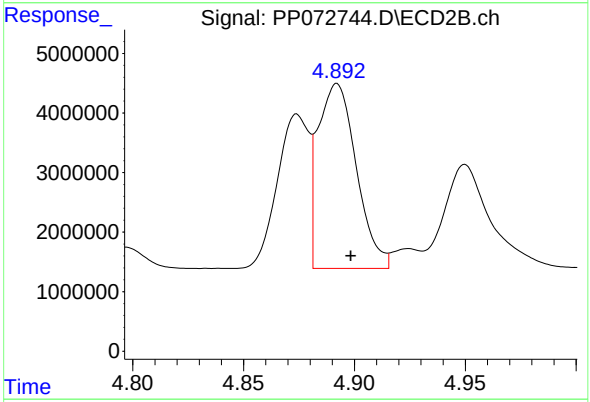
R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 25793148
Conc: 494.99 ng/ml



#17 AR-1242-2

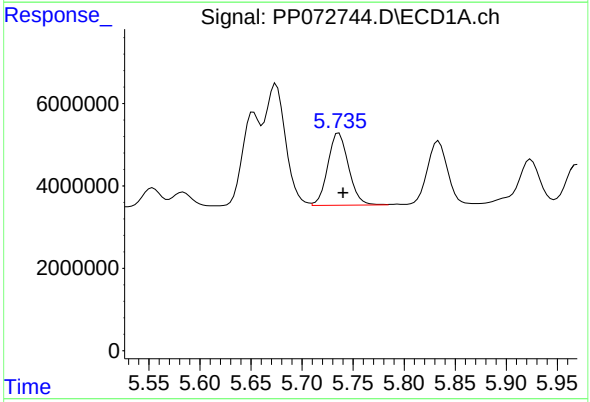
R.T.: 5.675 min
Delta R.T.: -0.003 min
Response: 41783357
Conc: 481.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



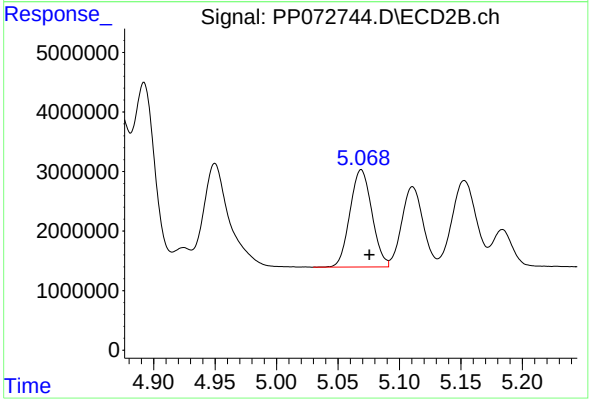
#17 AR-1242-2

R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 37363808
Conc: 508.38 ng/ml



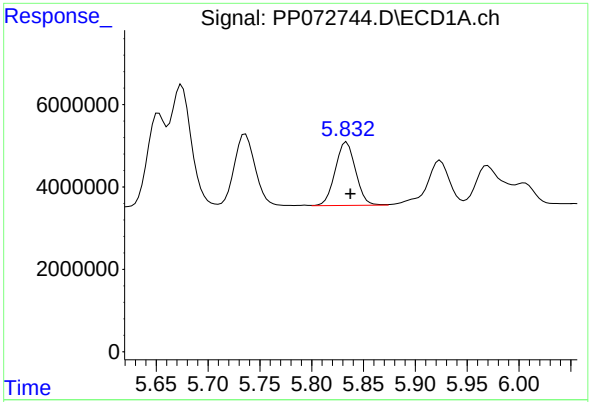
#18 AR-1242-3

R.T.: 5.736 min
Delta R.T.: -0.004 min
Response: 24720457
Conc: 448.92 ng/ml



#18 AR-1242-3

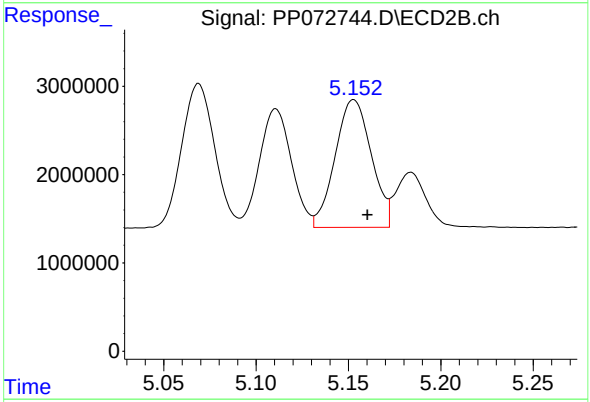
R.T.: 5.069 min
Delta R.T.: -0.007 min
Response: 20331138
Conc: 519.64 ng/ml



#19 AR-1242-4

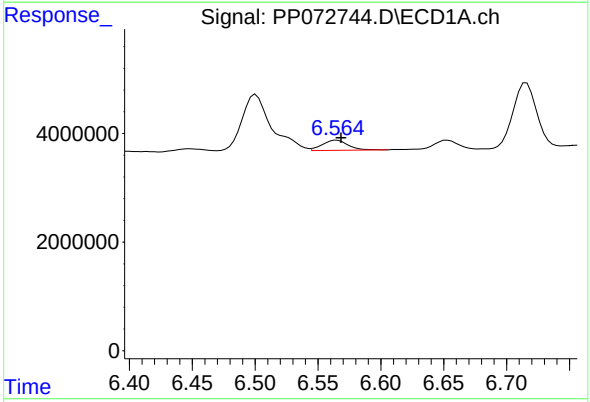
R.T.: 5.834 min
Delta R.T.: -0.004 min
Response: 21050970
Conc: 474.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



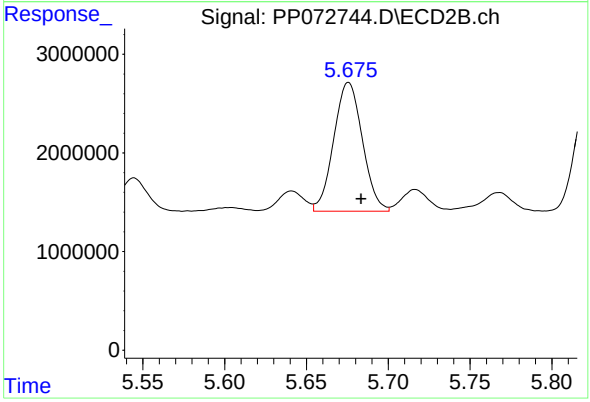
#19 AR-1242-4

R.T.: 5.153 min
Delta R.T.: -0.007 min
Response: 19725240
Conc: 524.85 ng/ml



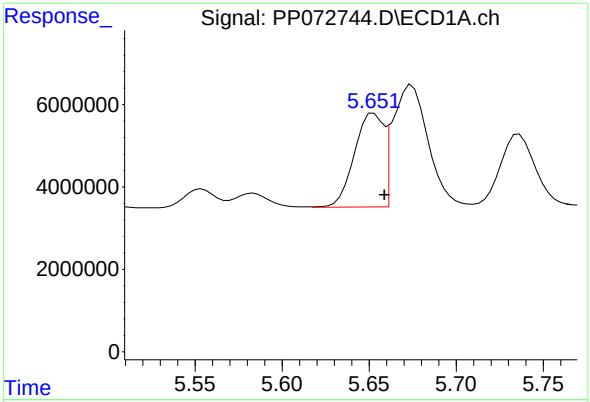
#20 AR-1242-5

R.T.: 6.565 min
Delta R.T.: -0.003 min
Response: 2643952
Conc: 51.86 ng/ml



#20 AR-1242-5

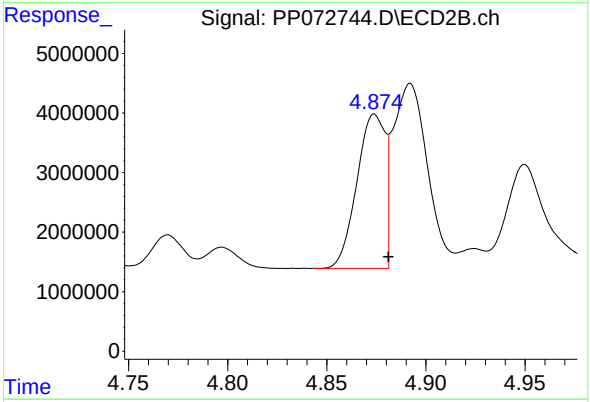
R.T.: 5.676 min
Delta R.T.: -0.008 min
Response: 15936985
Conc: 330.25 ng/ml



#21 AR-1248-1

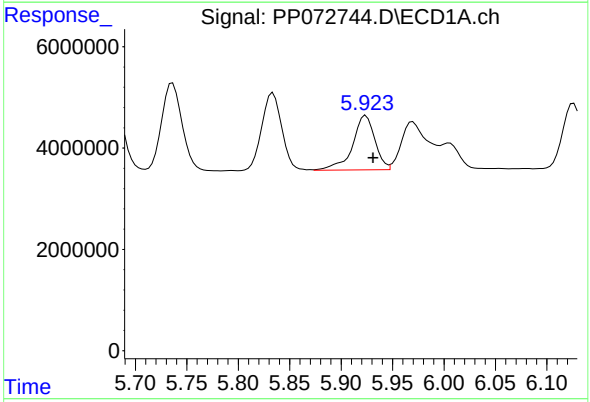
R.T.: 5.653 min
Delta R.T.: -0.006 min
Response: 26488833
Conc: 547.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



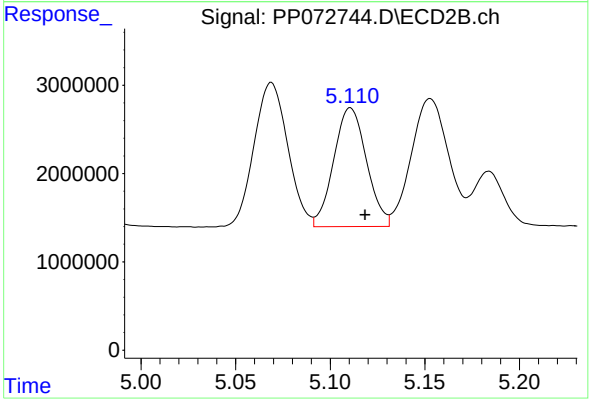
#21 AR-1248-1

R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 25793148
Conc: 595.39 ng/ml



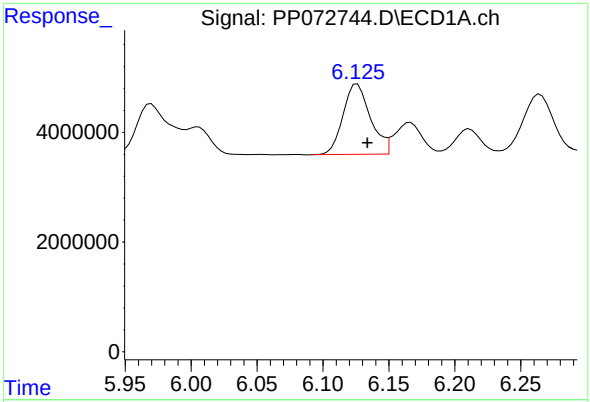
#22 AR-1248-2

R.T.: 5.924 min
Delta R.T.: -0.007 min
Response: 16242575
Conc: 267.85 ng/ml



#22 AR-1248-2

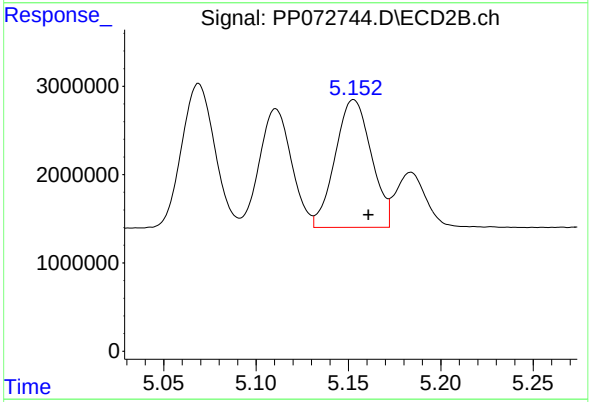
R.T.: 5.111 min
Delta R.T.: -0.008 min
Response: 16263694
Conc: 287.97 ng/ml



#23 AR-1248-3

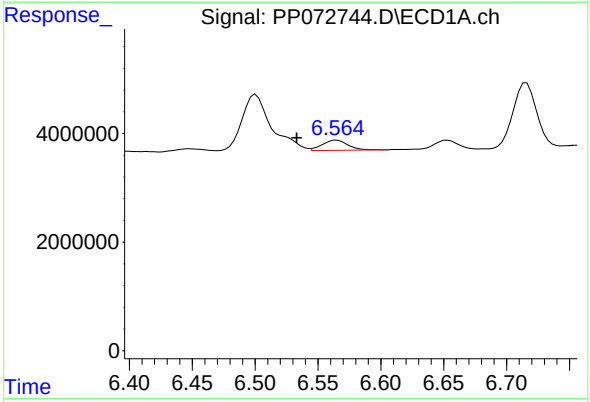
R.T.: 6.126 min
Delta R.T.: -0.008 min
Response: 18537417
Conc: 280.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



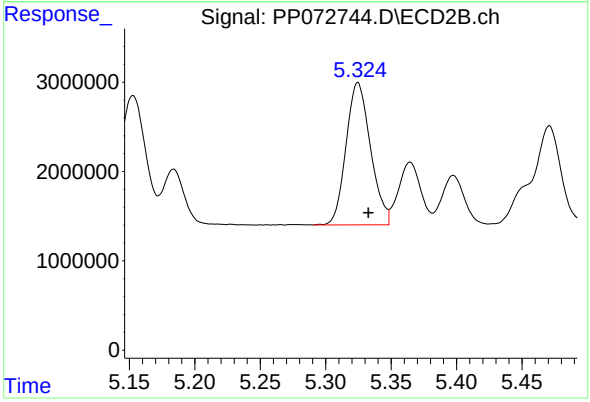
#23 AR-1248-3

R.T.: 5.153 min
Delta R.T.: -0.008 min
Response: 19725240
Conc: 333.72 ng/ml



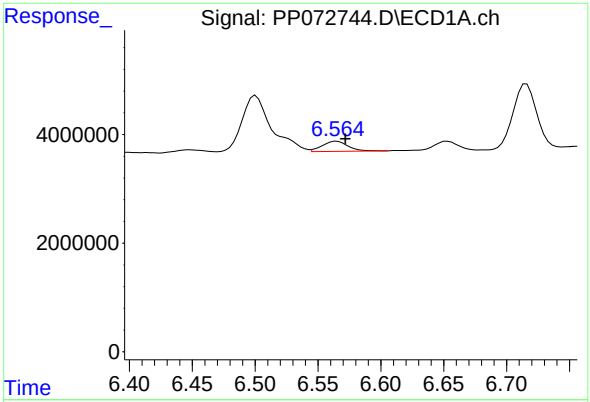
#24 AR-1248-4

R.T.: 6.565 min
Delta R.T.: 0.032 min
Response: 2643952
Conc: 30.25 ng/ml



#24 AR-1248-4

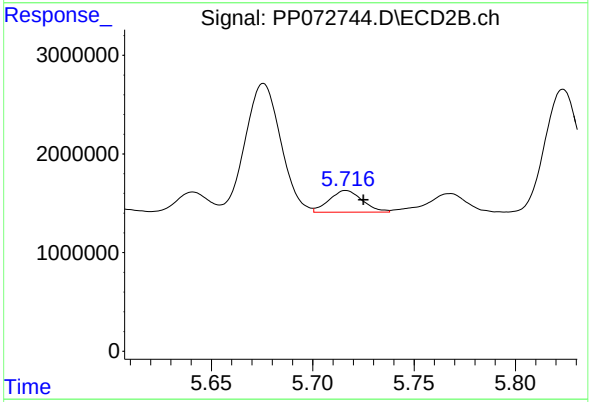
R.T.: 5.325 min
Delta R.T.: -0.008 min
Response: 20736686
Conc: 297.71 ng/ml



#25 AR-1248-5

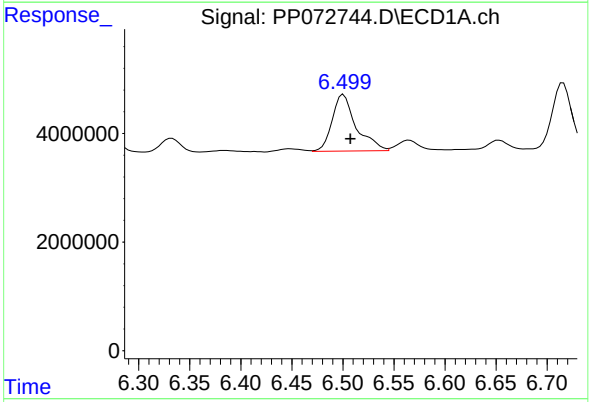
R.T.: 6.565 min
Delta R.T.: -0.007 min
Response: 2643952
Conc: 31.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



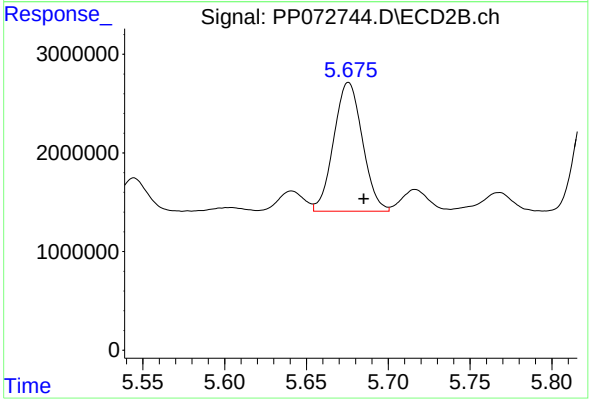
#25 AR-1248-5

R.T.: 5.716 min
Delta R.T.: -0.009 min
Response: 2510447
Conc: 36.00 ng/ml



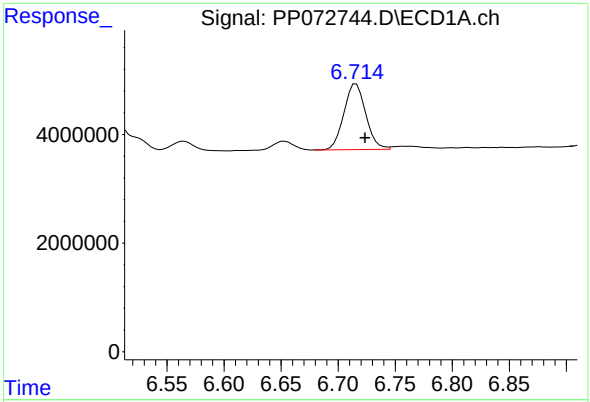
#26 AR-1254-1

R.T.: 6.501 min
Delta R.T.: -0.007 min
Response: 17043352
Conc: 198.17 ng/ml



#26 AR-1254-1

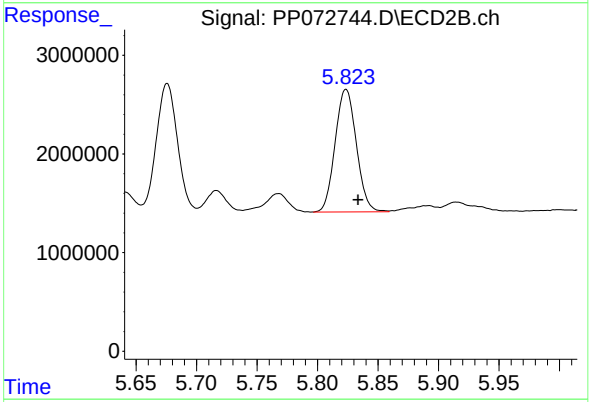
R.T.: 5.676 min
Delta R.T.: -0.009 min
Response: 15936985
Conc: 159.44 ng/ml



#27 AR-1254-2

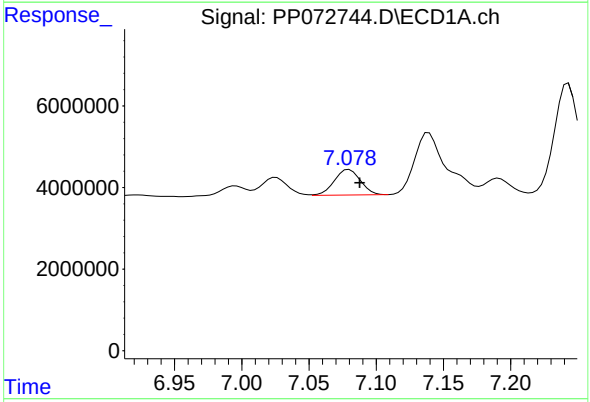
R.T.: 6.716 min
Delta R.T.: -0.008 min
Response: 16096707
Conc: 123.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



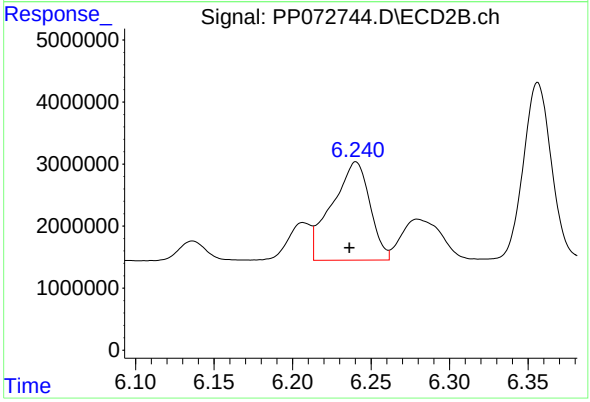
#27 AR-1254-2

R.T.: 5.824 min
Delta R.T.: -0.010 min
Response: 15199595
Conc: 176.11 ng/ml



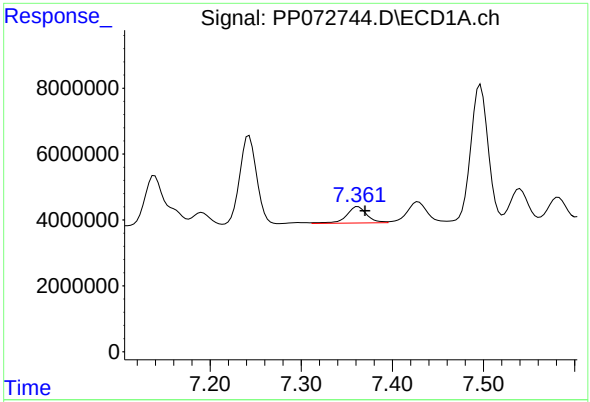
#28 AR-1254-3

R.T.: 7.080 min
Delta R.T.: -0.008 min
Response: 8445873
Conc: 63.98 ng/ml



#28 AR-1254-3

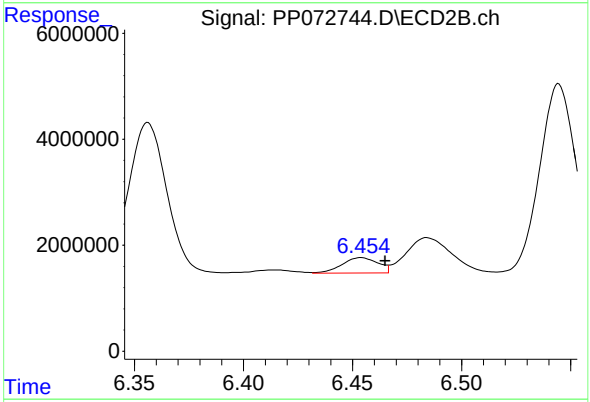
R.T.: 6.240 min
Delta R.T.: 0.004 min
Response: 26672513
Conc: 207.37 ng/ml



#29 AR-1254-4

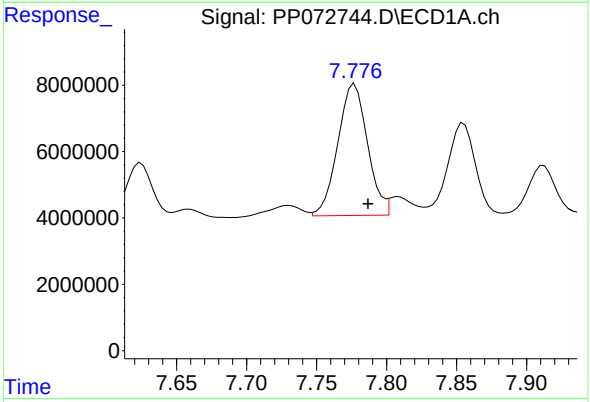
R.T.: 7.362 min
Delta R.T.: -0.008 min
Response: 7733671
Conc: 59.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



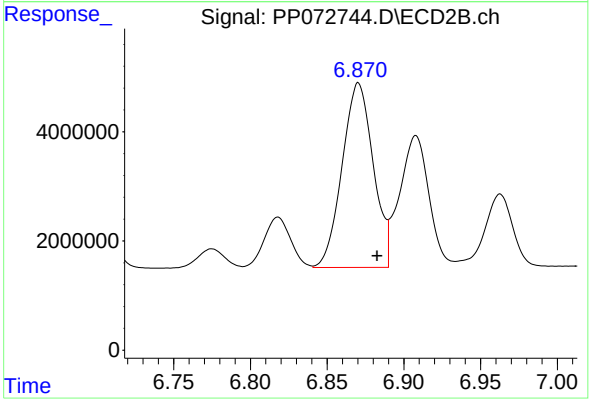
#29 AR-1254-4

R.T.: 6.454 min
Delta R.T.: -0.011 min
Response: 3338073
Conc: 39.13 ng/ml



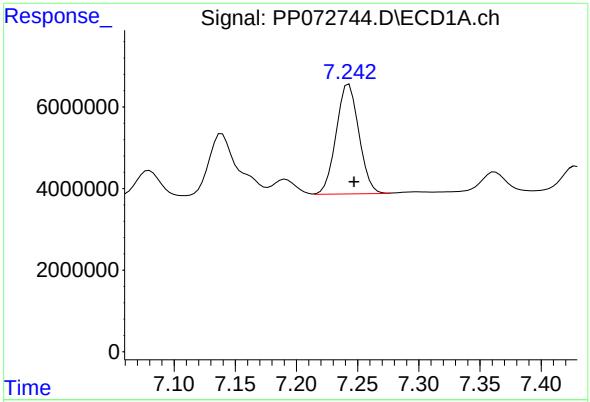
#30 AR-1254-5

R.T.: 7.777 min
Delta R.T.: -0.010 min
Response: 58561560
Conc: 526.41 ng/ml



#30 AR-1254-5

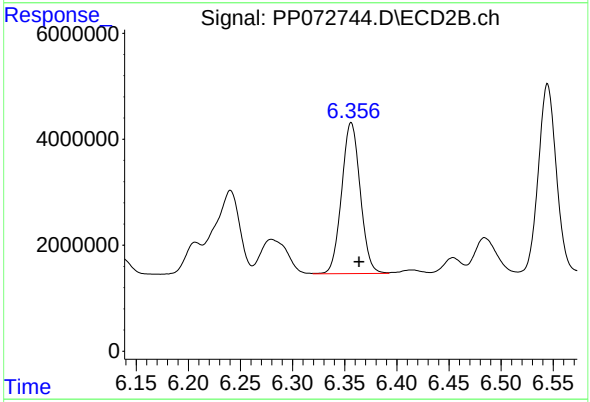
R.T.: 6.870 min
Delta R.T.: -0.012 min
Response: 47822875
Conc: 421.90 ng/ml



#31 AR-1260-1

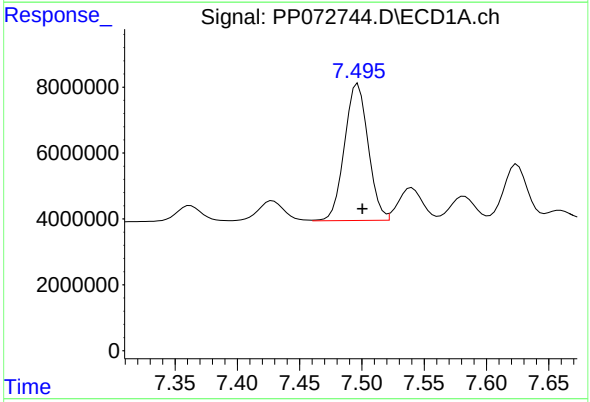
R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 34870233
Conc: 372.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



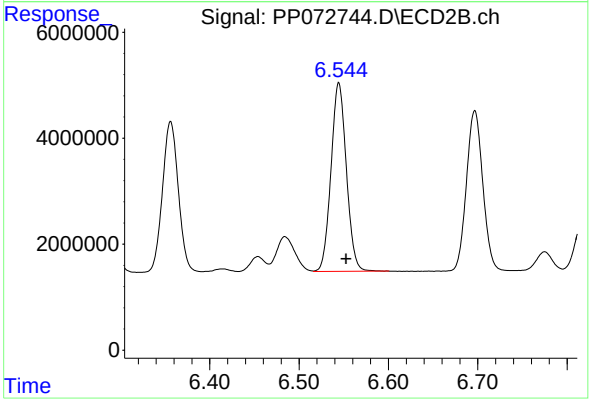
#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.008 min
Response: 35412346
Conc: 444.02 ng/ml



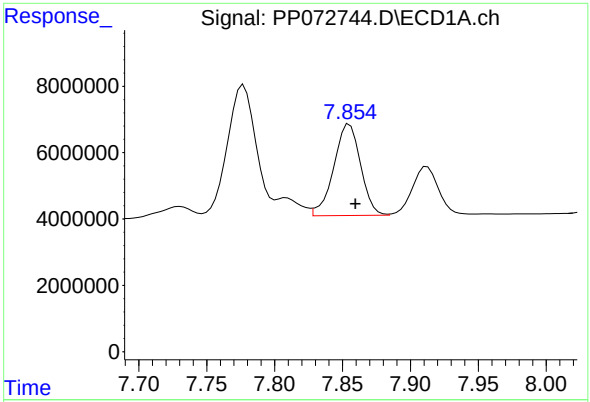
#32 AR-1260-2

R.T.: 7.497 min
Delta R.T.: -0.004 min
Response: 55245731
Conc: 385.02 ng/ml



#32 AR-1260-2

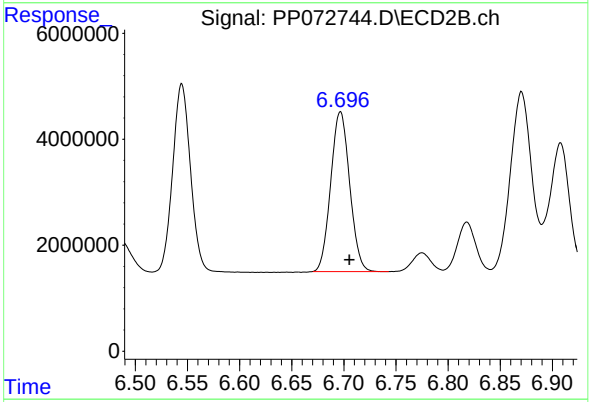
R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 42540932
Conc: 419.44 ng/ml



#33 AR-1260-3

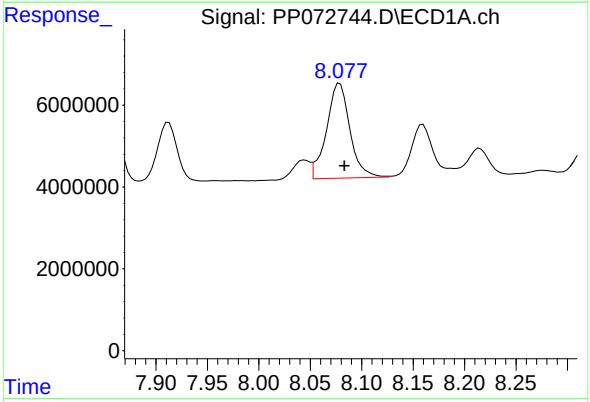
R.T.: 7.855 min
Delta R.T.: -0.004 min
Response: 37863267
Conc: 332.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



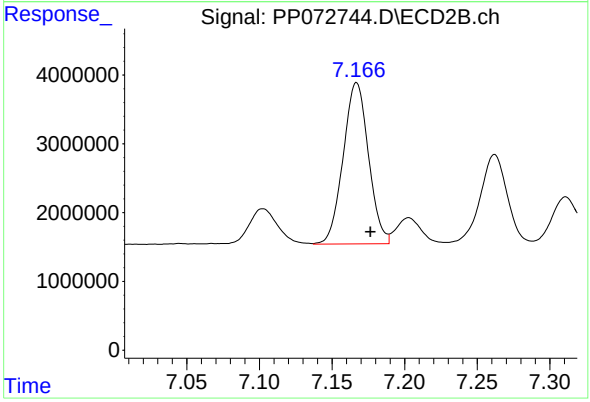
#33 AR-1260-3

R.T.: 6.697 min
Delta R.T.: -0.009 min
Response: 38134488
Conc: 438.82 ng/ml



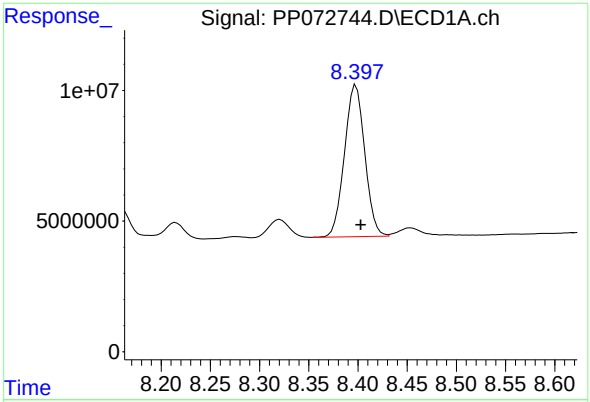
#34 AR-1260-4

R.T.: 8.079 min
Delta R.T.: -0.005 min
Response: 36734342
Conc: 342.34 ng/ml



#34 AR-1260-4

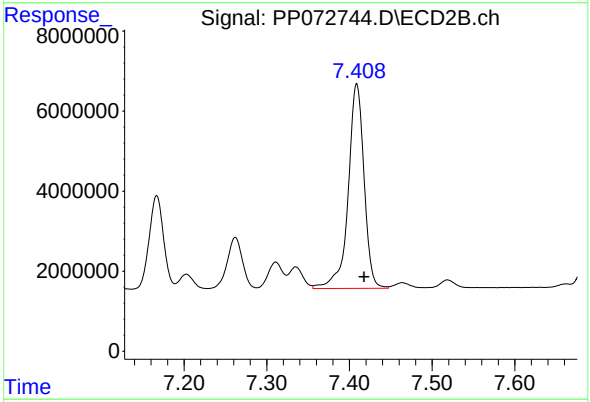
R.T.: 7.167 min
Delta R.T.: -0.009 min
Response: 28471511
Conc: 394.94 ng/ml



#35 AR-1260-5

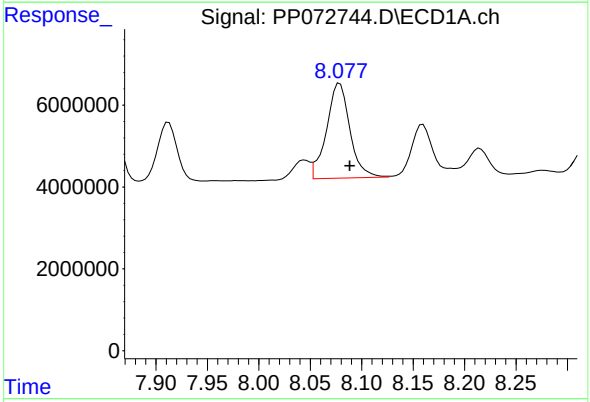
R.T.: 8.398 min
Delta R.T.: -0.005 min
Response: 83366838
Conc: 352.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



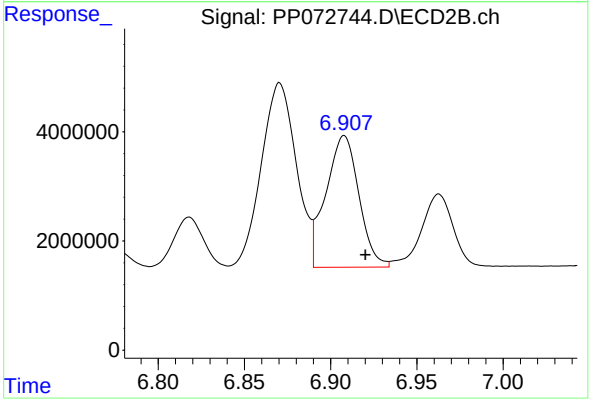
#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 68370408
Conc: 393.78 ng/ml



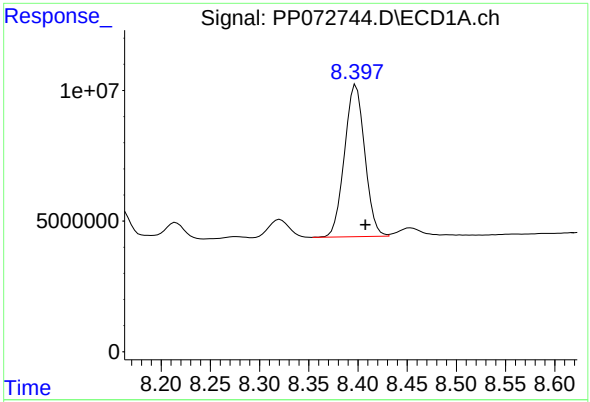
#36 AR-1262-1

R.T.: 8.079 min
Delta R.T.: -0.010 min
Response: 36734342
Conc: 275.69 ng/ml



#36 AR-1262-1

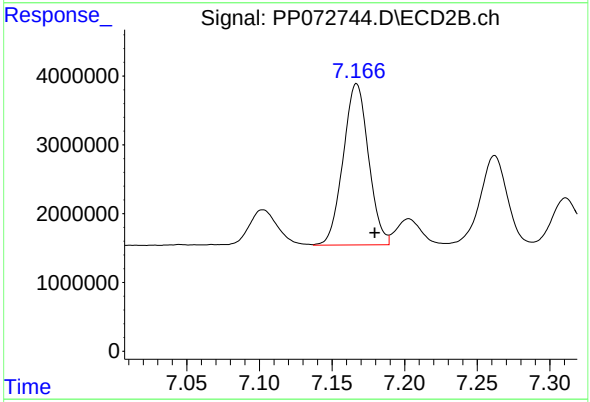
R.T.: 6.908 min
Delta R.T.: -0.012 min
Response: 32099212
Conc: 283.99 ng/ml



#37 AR-1262-2

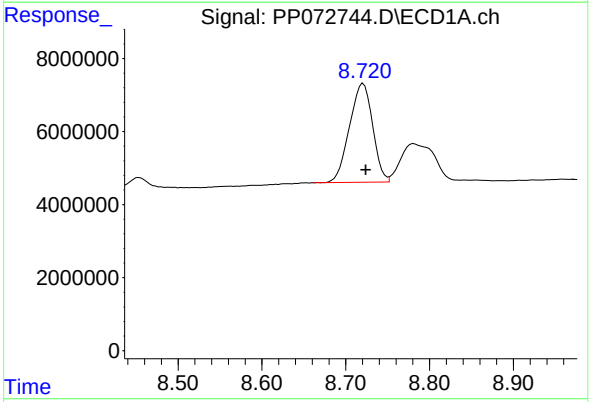
R.T.: 8.398 min
Delta R.T.: -0.010 min
Response: 83366838
Conc: 306.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



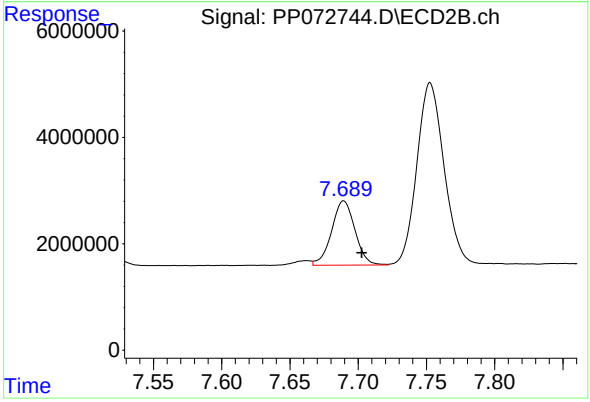
#37 AR-1262-2

R.T.: 7.167 min
Delta R.T.: -0.012 min
Response: 28471511
Conc: 293.14 ng/ml



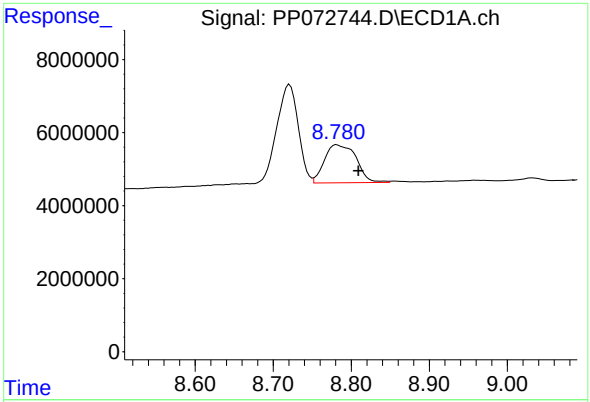
#38 AR-1262-3

R.T.: 8.721 min
Delta R.T.: -0.003 min
Response: 51964603
Conc: 280.09 ng/ml



#38 AR-1262-3

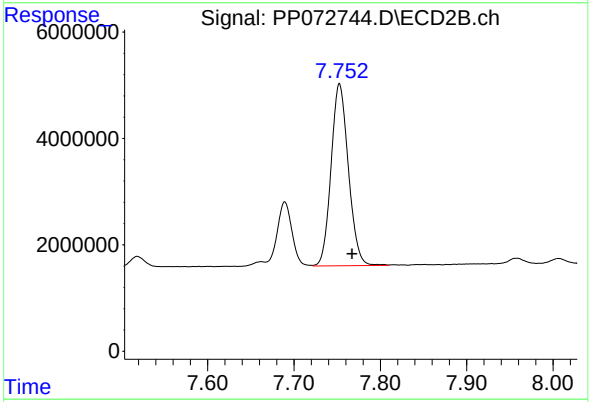
R.T.: 7.689 min
Delta R.T.: -0.013 min
Response: 14379128
Conc: 176.36 ng/ml



#39 AR-1262-4

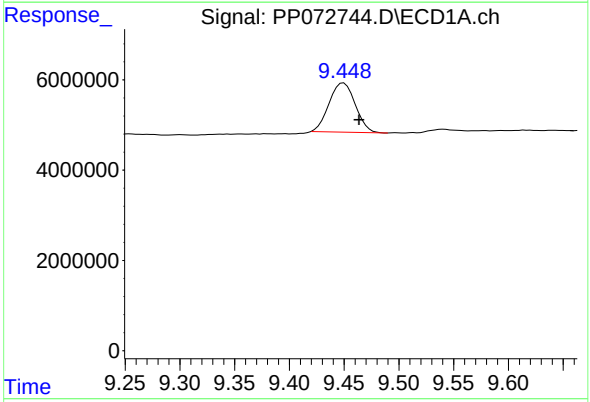
R.T.: 8.781 min
Delta R.T.: -0.028 min
Response: 29429543
Conc: 219.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



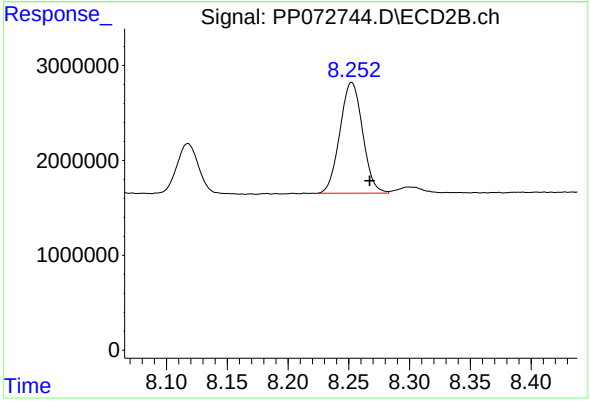
#39 AR-1262-4

R.T.: 7.753 min
Delta R.T.: -0.015 min
Response: 47596978
Conc: 338.47 ng/ml



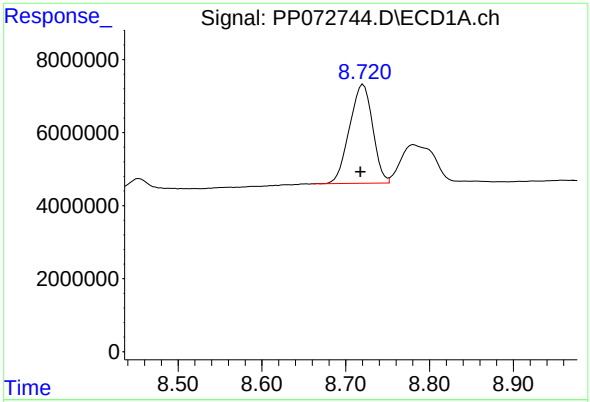
#40 AR-1262-5

R.T.: 9.450 min
Delta R.T.: -0.014 min
Response: 18145515
Conc: 196.25 ng/ml



#40 AR-1262-5

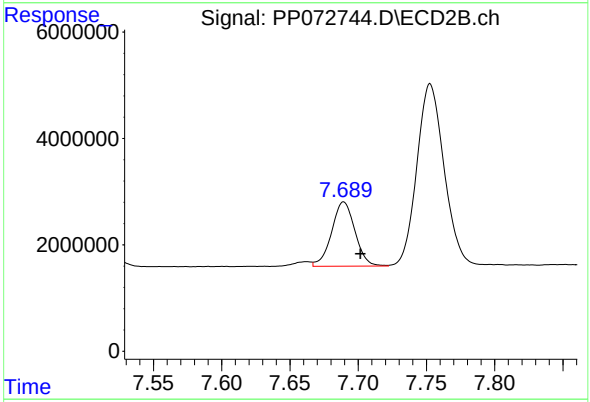
R.T.: 8.252 min
Delta R.T.: -0.015 min
Response: 15157066
Conc: 232.89 ng/ml



#41 AR-1268-1

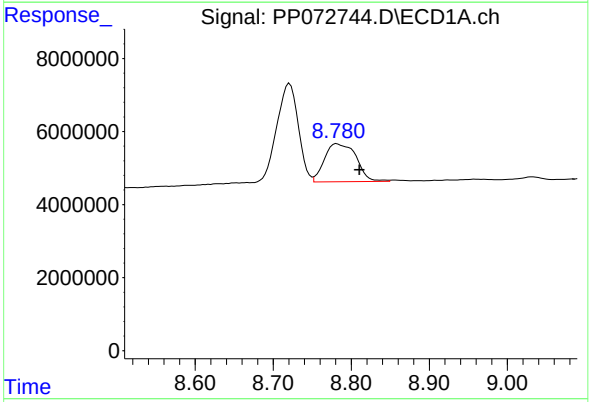
R.T.: 8.721 min
Delta R.T.: 0.003 min
Response: 51964603
Conc: 155.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



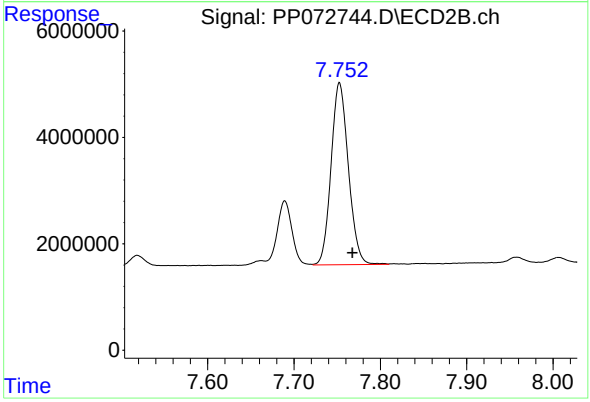
#41 AR-1268-1

R.T.: 7.689 min
Delta R.T.: -0.012 min
Response: 14379128
Conc: 61.39 ng/ml



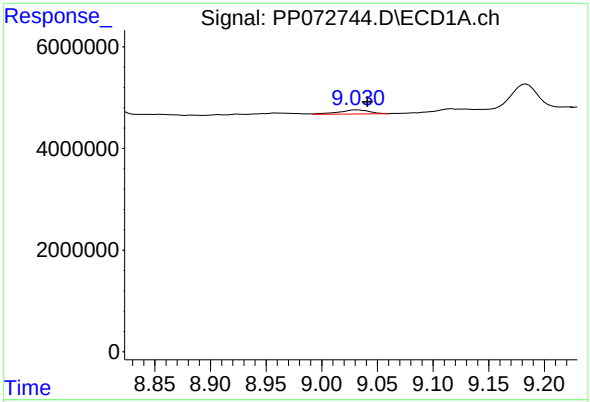
#42 AR-1268-2

R.T.: 8.781 min
Delta R.T.: -0.029 min
Response: 29429543
Conc: 105.11 ng/ml



#42 AR-1268-2

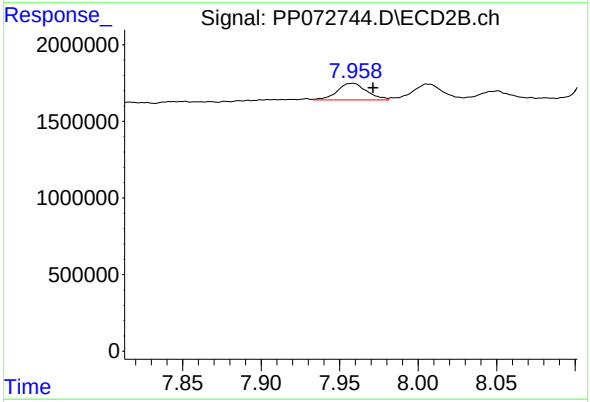
R.T.: 7.753 min
Delta R.T.: -0.015 min
Response: 47596978
Conc: 230.14 ng/ml



#43 AR-1268-3

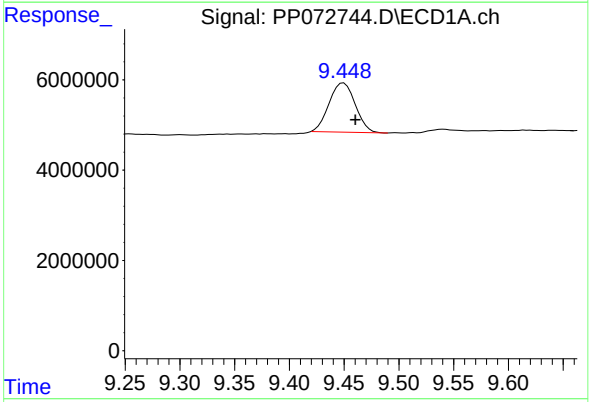
R.T.: 9.032 min
Delta R.T.: -0.009 min
Response: 1542781
Conc: 6.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



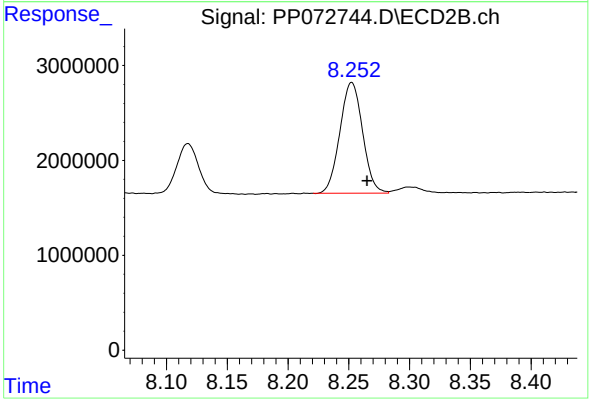
#43 AR-1268-3

R.T.: 7.958 min
Delta R.T.: -0.013 min
Response: 1417337
Conc: 8.37 ng/ml



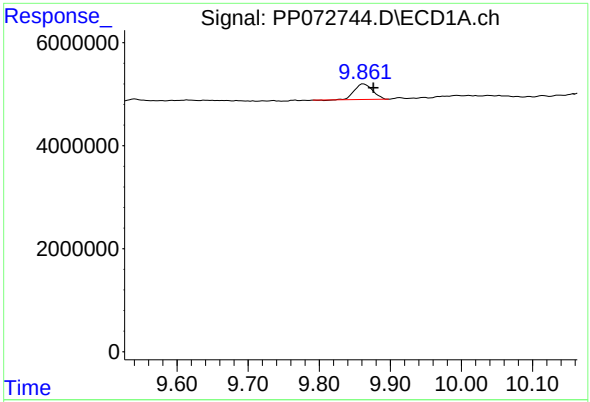
#44 AR-1268-4

R.T.: 9.450 min
Delta R.T.: -0.011 min
Response: 18145515
Conc: 172.90 ng/ml



#44 AR-1268-4

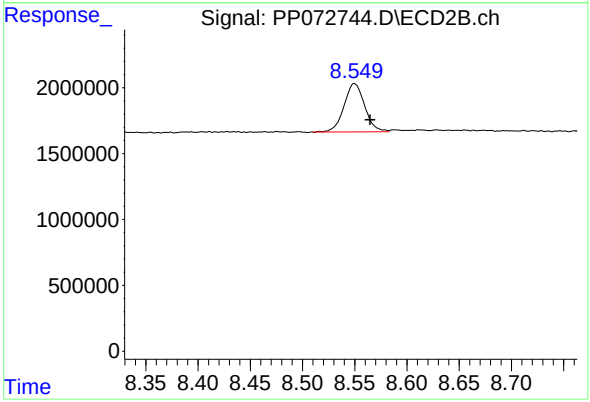
R.T.: 8.252 min
Delta R.T.: -0.013 min
Response: 15157066
Conc: 207.75 ng/ml



#45 AR-1268-5

R.T.: 9.862 min
Delta R.T.: -0.013 min
Response: 5347787
Conc: 7.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168349BS



#45 AR-1268-5

R.T.: 8.550 min
Delta R.T.: -0.015 min
Response: 5050355
Conc: 11.05 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:01
Operator : YP\AJ
Sample : Q2246-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.498	3.794	43698586	36701828	21.732	22.962	
2)	SA Decachlor...	10.198	8.808	32742839	24857851	20.098	23.482	
	Target Compounds							
3)	L1 AR-1016-1	5.650	4.874	26915929	26576167	358.479	432.629	
4)	L1 AR-1016-2	5.672	4.892	41068211	38432121	383.845	437.777	
5)	L1 AR-1016-3	5.734	5.069	24957311	20946963	380.650	439.559	
6)	L1 AR-1016-4	5.831	5.111	21060886	16810081	395.361	441.844	
7)	L1 AR-1016-5	6.124	5.324	18058715	21000811	369.229	421.496	
8)	L2 AR-1221-1	4.699	4.002	6117232	2984946	233.999	111.336	#
9)	L2 AR-1221-2	4.785	4.088	3897558	6793437	191.063	330.823	#
10)	L2 AR-1221-3	4.860	4.165	15410028	15710272	254.714	266.784	
11)	L3 AR-1232-1	4.860	4.165	15410028	15710272	327.118	362.451	
12)	L3 AR-1232-2	5.385	4.892	20855917	38432121	895.750	869.885	
13)	L3 AR-1232-3	5.672	5.069	41068211	20946963	820.329	895.817	
14)	L3 AR-1232-4	5.831	5.153	21060886	20120269	839.111	971.048	
15)	L3 AR-1232-5	5.921	5.324	16045361	21000811	915.855	906.989	
16)	L4 AR-1242-1	5.650	4.874	26915929	26576167	429.985	510.017	
17)	L4 AR-1242-2	5.672	4.892	41068211	38432121	473.246	522.913	
18)	L4 AR-1242-3	5.734	5.069	24957311	20946963	453.226	535.378	
19)	L4 AR-1242-4	5.831	5.153	21060886	20120269	474.889	535.358	
20)	L4 AR-1242-5	6.561	5.676	4893255	16663701	95.975	345.307	#
21)	L5 AR-1248-1	5.650	4.874	26915929	26576167	556.166	613.462	
22)	L5 AR-1248-2	5.921	5.111	16045361	16810081	264.600	297.643	
23)	L5 AR-1248-3	6.124	5.153	18058715	20120269	272.872	340.404	
24)	L5 AR-1248-4	6.561	5.324	4893255	21000811	55.992	301.507	#
25)	L5 AR-1248-5	6.561	5.716	4893255	2961494	58.937	42.465	#
26)	L6 AR-1254-1	6.498	5.676	19576646	16663701	227.627	166.713	#
27)	L6 AR-1254-2	6.714	5.823	18425876	16518859	141.003	191.397	#
28)	L6 AR-1254-3	7.078	6.240	10324550	27182276	78.214	211.337	#
29)	L6 AR-1254-4	7.360	6.455	11086895	2367437	84.950	27.755	#
30)	L6 AR-1254-5	7.774	6.871	56565771	47341659	508.472	417.653	
31)	L7 AR-1260-1	7.241	6.356	39341703	35250563	420.341	441.993	
32)	L7 AR-1260-2	7.494	6.545	52397398	41361468	365.165	407.815	
33)	L7 AR-1260-3	7.852	6.697	36835612	37303536	323.486	429.258	#
34)	L7 AR-1260-4	8.076	7.167	44807580	27306981	417.581	378.785	
35)	L7 AR-1260-5	8.395	7.409	83510668	66034833	352.869	380.332	
36)	L8 AR-1262-1	8.076	6.908	44807580	31041247	336.279	274.632	
37)	L8 AR-1262-2	8.395	7.167	83510668	27306981	306.590	281.147	
38)	L8 AR-1262-3	8.719	7.690	52727276	13901817	284.199	170.509	#
39)	L8 AR-1262-4	8.780	7.753	29516658	45219731	219.813	321.564	#
40)	L8 AR-1262-5	9.447	8.253	16247670	14813450	175.725	227.606	#
41)	L9 AR-1268-1	8.719	7.690	52727276	13901817	158.268	59.354	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:01
Operator : YP\AJ
Sample : Q2246-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
42)	L9 AR-1268-2	8.780	7.753	29516658	45219731	105.421	218.643	#
43)	L9 AR-1268-3	9.029	7.958	1842754	1001128	7.632	5.911	
44)	L9 AR-1268-4	9.447	8.253	16247670	14813450	154.816	203.044	#
45)	L9 AR-1268-5	9.859	8.550	6157569	4793703	9.095	10.490	

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

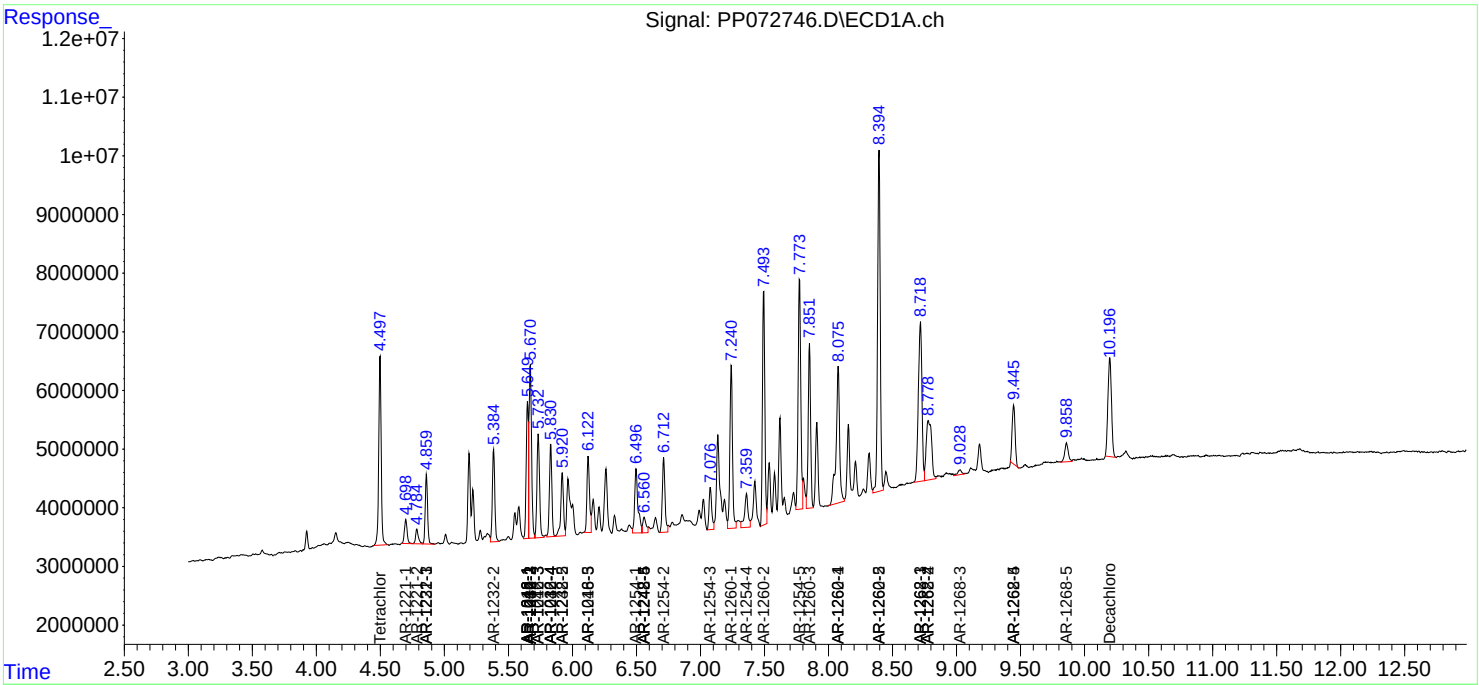
Quantitation Report (Not Reviewed)

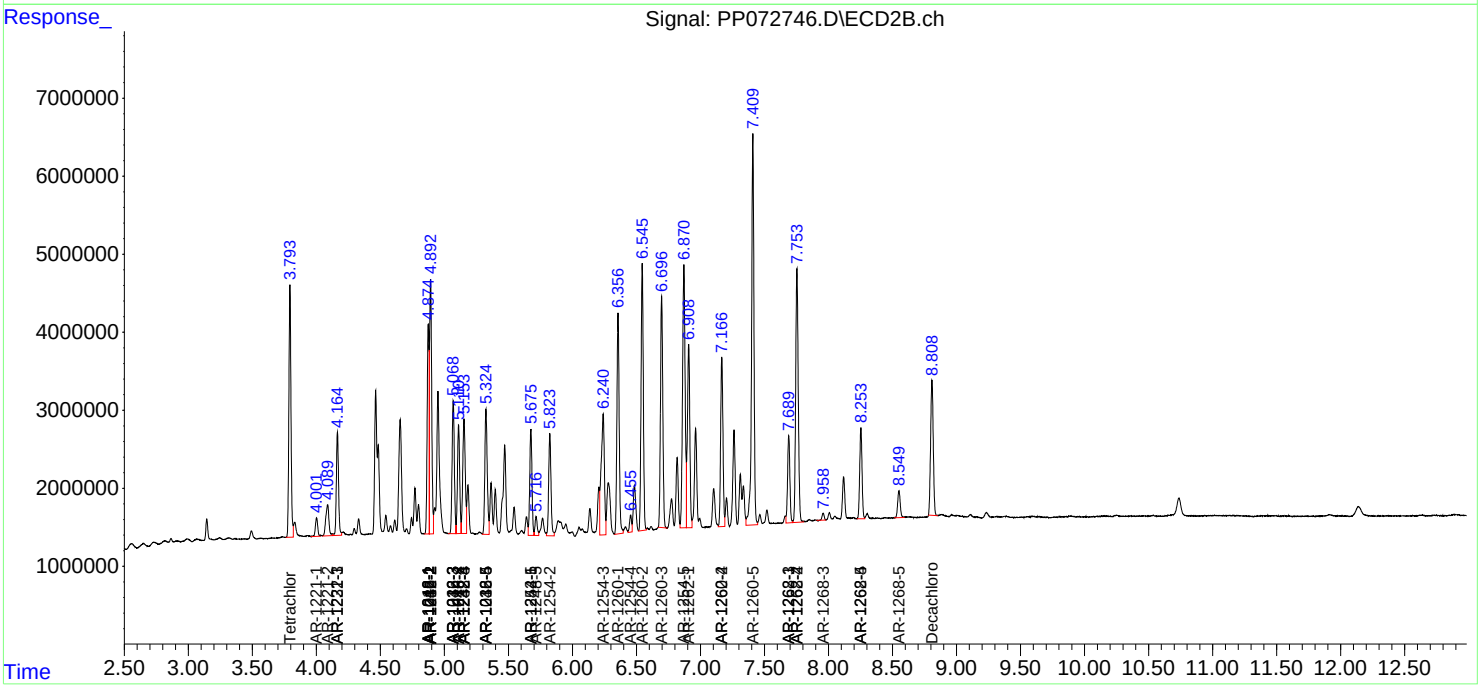
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:01
Operator : YP\AJ
Sample : Q2246-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

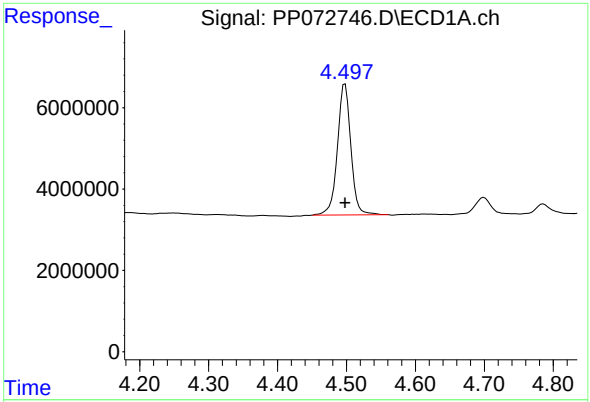
Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



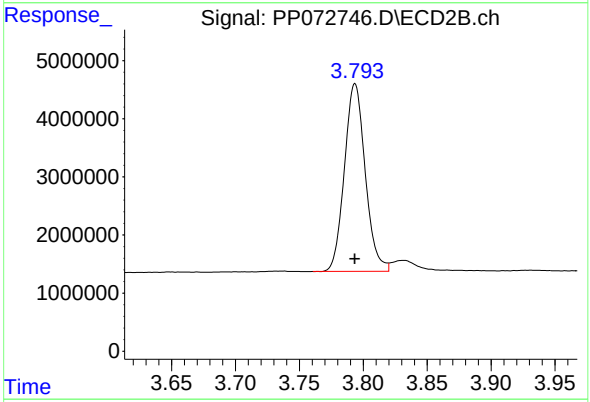




#1 Tetrachloro-m-xylene

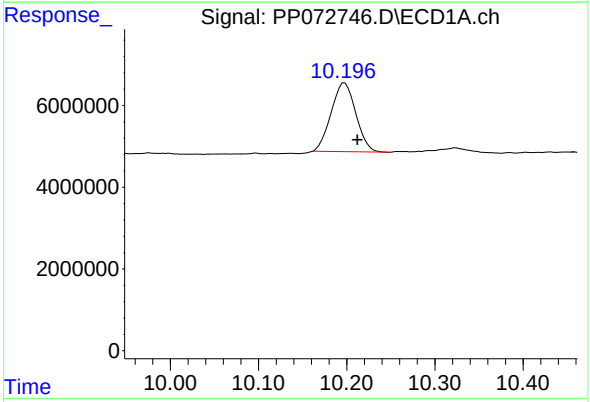
R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 43698586
Conc: 21.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



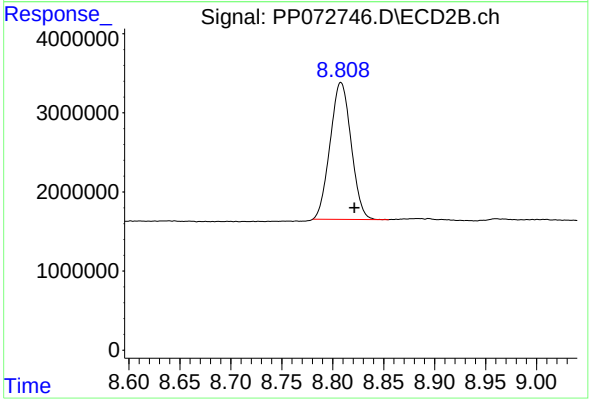
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 36701828
Conc: 22.96 ng/ml



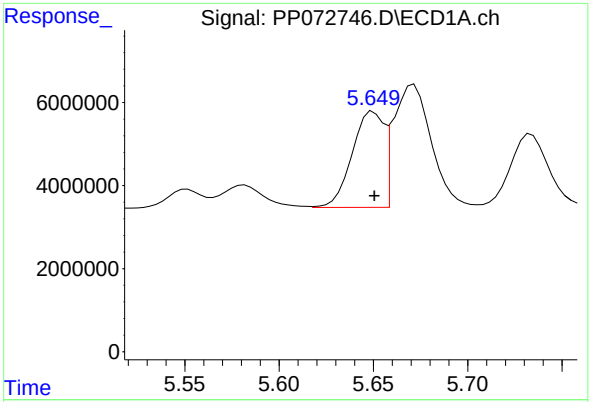
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 32742839
Conc: 20.10 ng/ml



#2 Decachlorobiphenyl

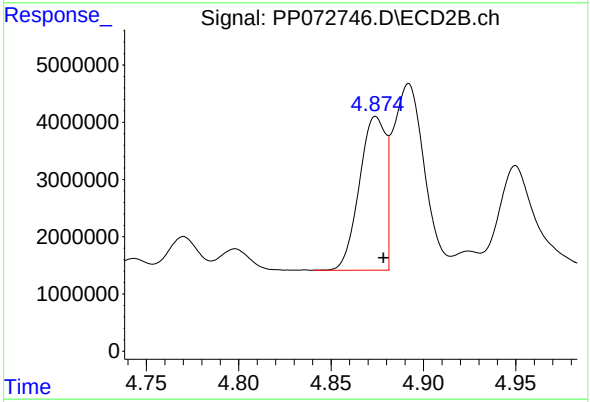
R.T.: 8.808 min
Delta R.T.: -0.013 min
Response: 24857851
Conc: 23.48 ng/ml



#3 AR-1016-1

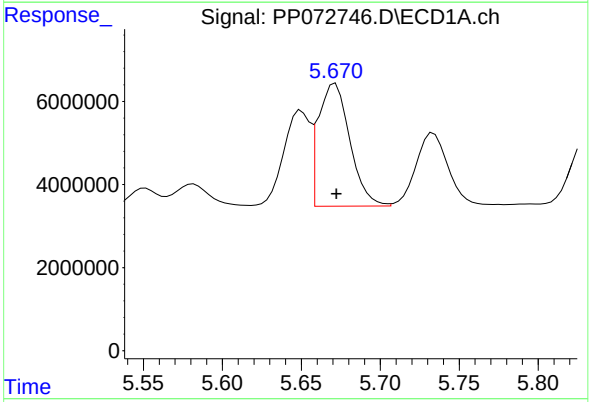
R.T.: 5.650 min
Delta R.T.: 0.000 min
Response: 26915929
Conc: 358.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



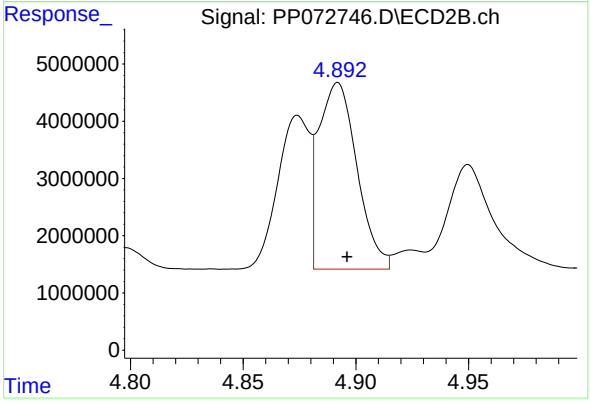
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 26576167
Conc: 432.63 ng/ml



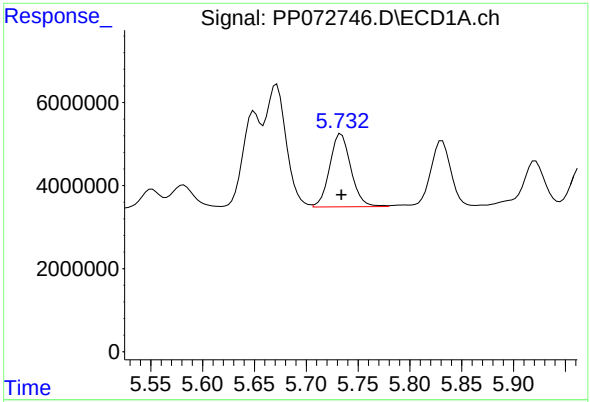
#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 41068211
Conc: 383.84 ng/ml



#4 AR-1016-2

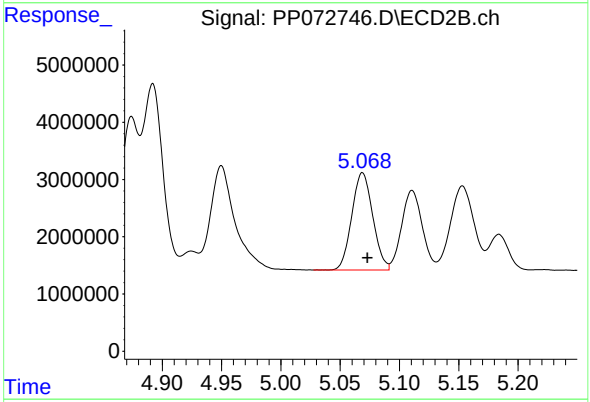
R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 38432121
Conc: 437.78 ng/ml



#5 AR-1016-3

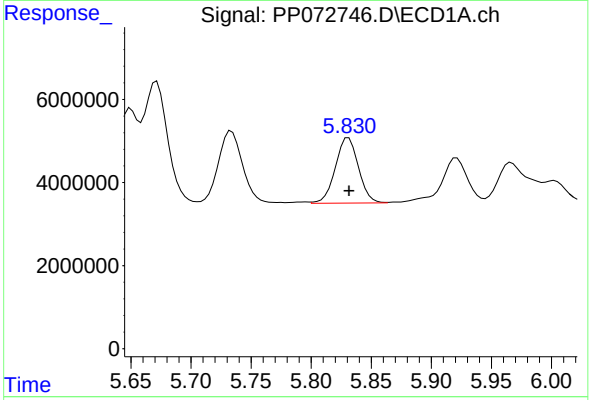
R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 24957311
Conc: 380.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



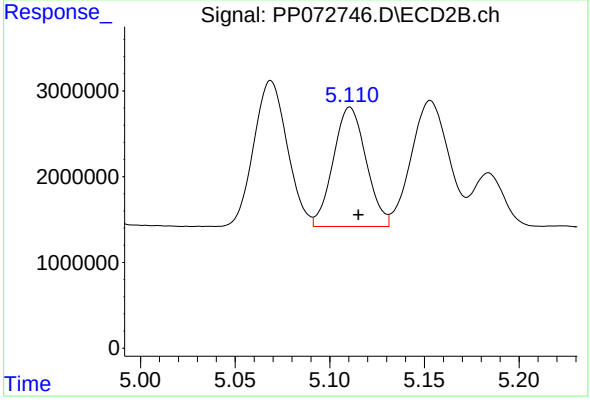
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 20946963
Conc: 439.56 ng/ml



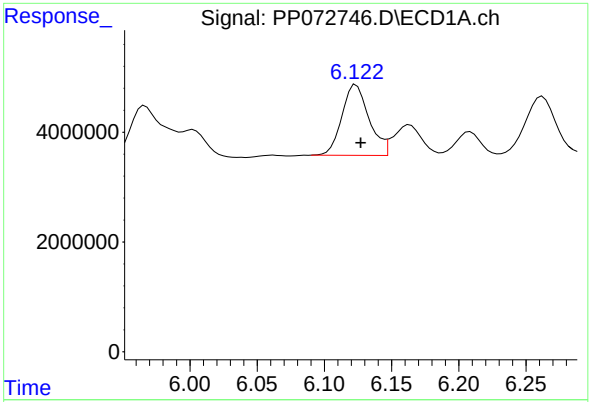
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 21060886
Conc: 395.36 ng/ml



#6 AR-1016-4

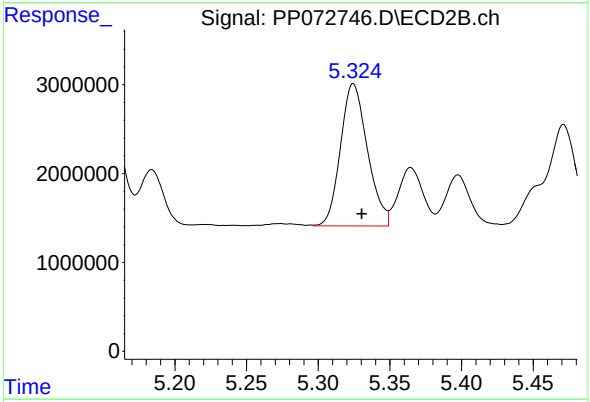
R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 16810081
Conc: 441.84 ng/ml



#7 AR-1016-5

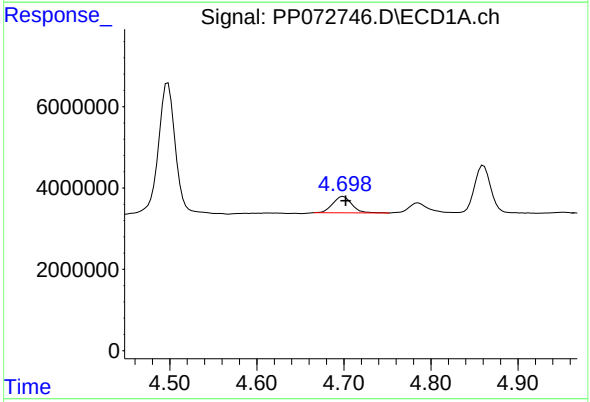
R.T.: 6.124 min
Delta R.T.: -0.003 min
Response: 18058715
Conc: 369.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



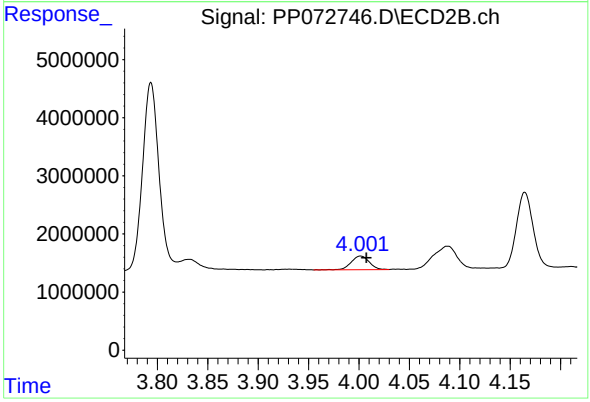
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 21000811
Conc: 421.50 ng/ml



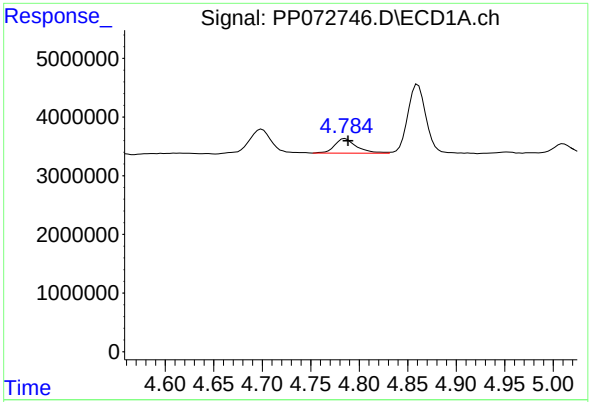
#8 AR-1221-1

R.T.: 4.699 min
Delta R.T.: -0.003 min
Response: 6117232
Conc: 234.00 ng/ml



#8 AR-1221-1

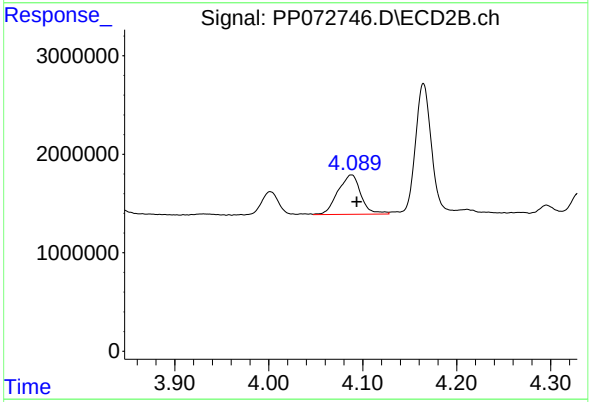
R.T.: 4.002 min
Delta R.T.: -0.006 min
Response: 2984946
Conc: 111.34 ng/ml



#9 AR-1221-2

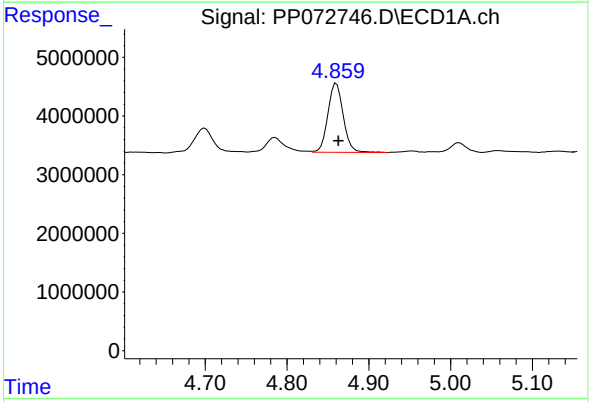
R.T.: 4.785 min
Delta R.T.: -0.003 min
Response: 3897558
Conc: 191.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



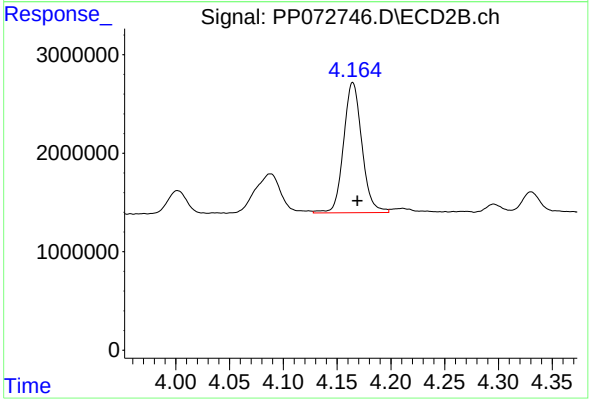
#9 AR-1221-2

R.T.: 4.088 min
Delta R.T.: -0.006 min
Response: 6793437
Conc: 330.82 ng/ml



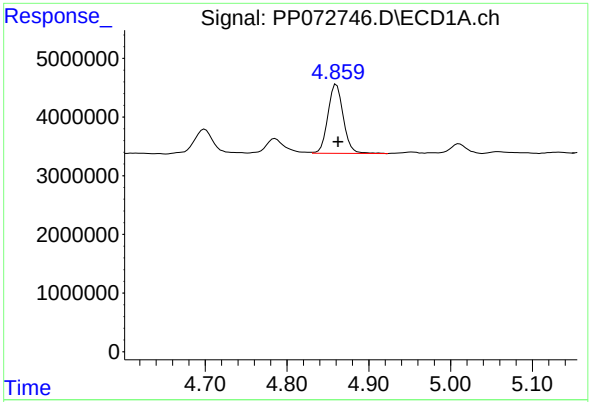
#10 AR-1221-3

R.T.: 4.860 min
Delta R.T.: -0.002 min
Response: 15410028
Conc: 254.71 ng/ml



#10 AR-1221-3

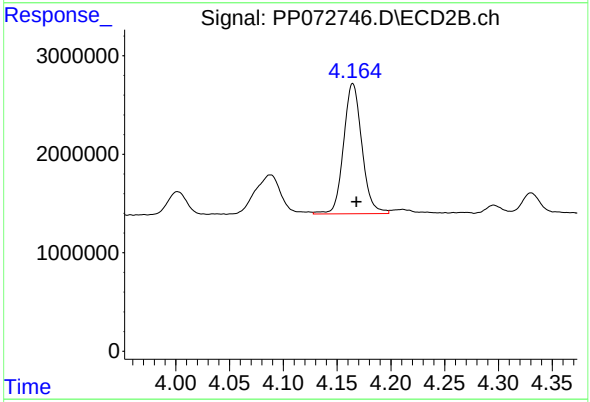
R.T.: 4.165 min
Delta R.T.: -0.004 min
Response: 15710272
Conc: 266.78 ng/ml



#11 AR-1232-1

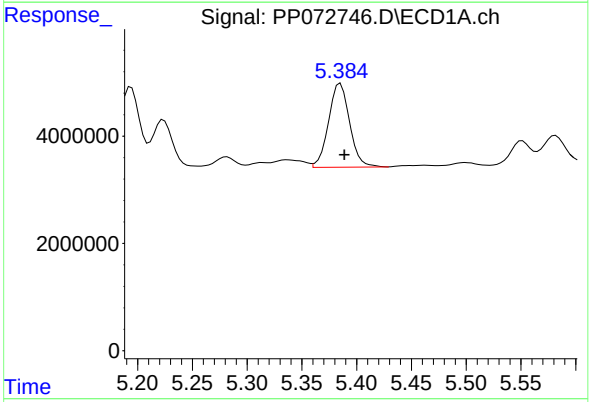
R.T.: 4.860 min
Delta R.T.: -0.002 min
Response: 15410028
Conc: 327.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



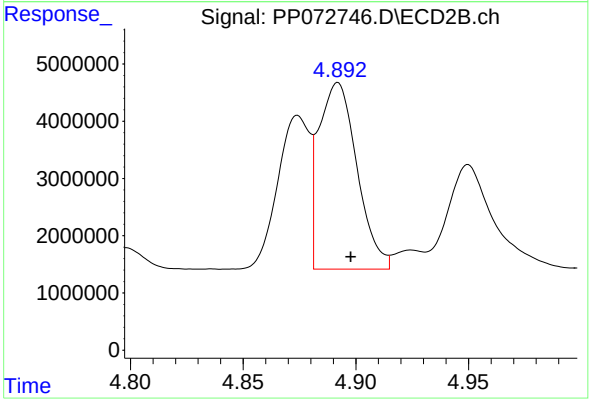
#11 AR-1232-1

R.T.: 4.165 min
Delta R.T.: -0.003 min
Response: 15710272
Conc: 362.45 ng/ml



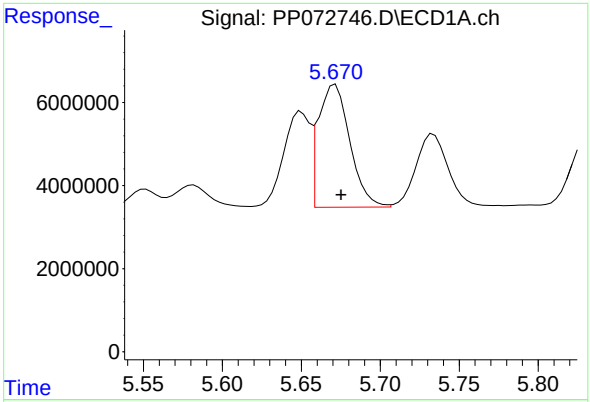
#12 AR-1232-2

R.T.: 5.385 min
Delta R.T.: -0.004 min
Response: 20855917
Conc: 895.75 ng/ml



#12 AR-1232-2

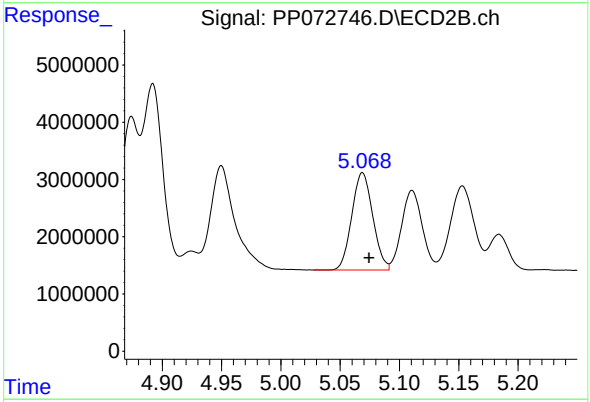
R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 38432121
Conc: 869.88 ng/ml



#13 AR-1232-3

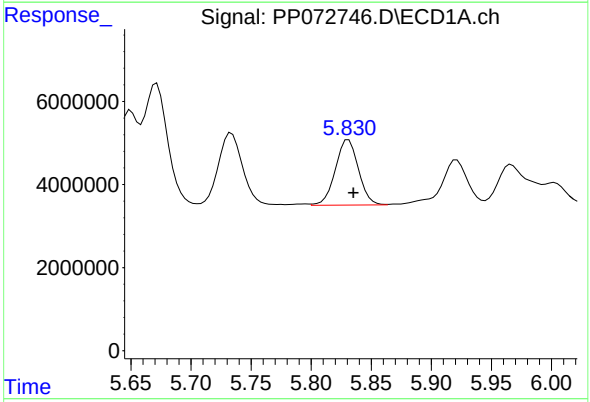
R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 41068211
Conc: 820.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



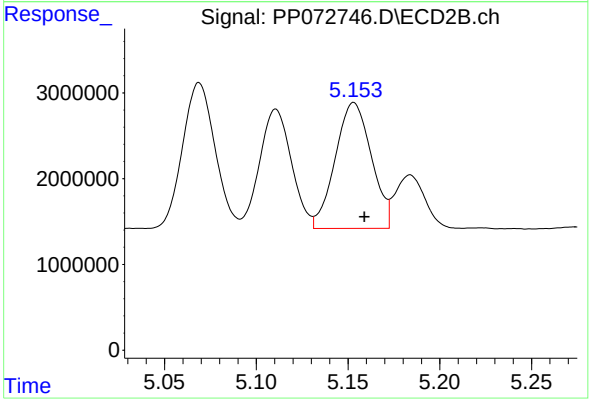
#13 AR-1232-3

R.T.: 5.069 min
Delta R.T.: -0.006 min
Response: 20946963
Conc: 895.82 ng/ml



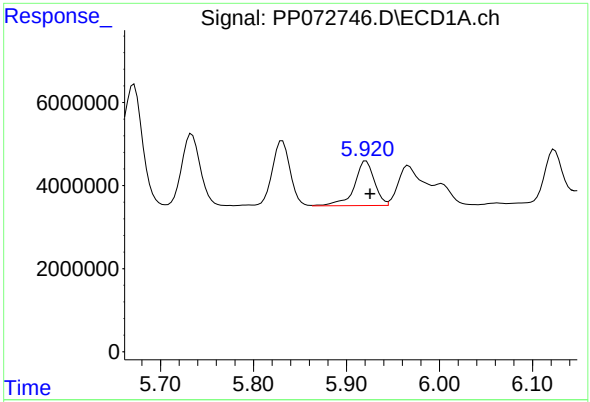
#14 AR-1232-4

R.T.: 5.831 min
Delta R.T.: -0.004 min
Response: 21060886
Conc: 839.11 ng/ml



#14 AR-1232-4

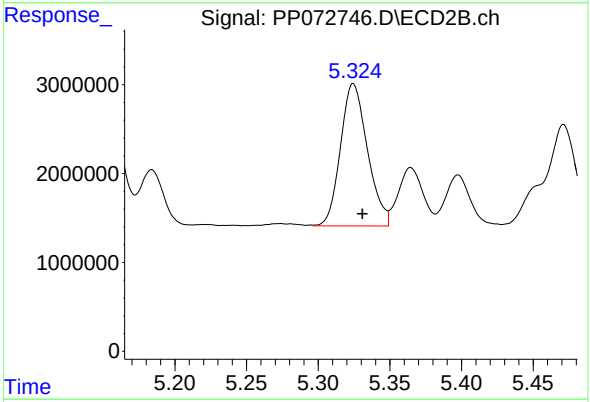
R.T.: 5.153 min
Delta R.T.: -0.006 min
Response: 20120269
Conc: 971.05 ng/ml



#15 AR-1232-5

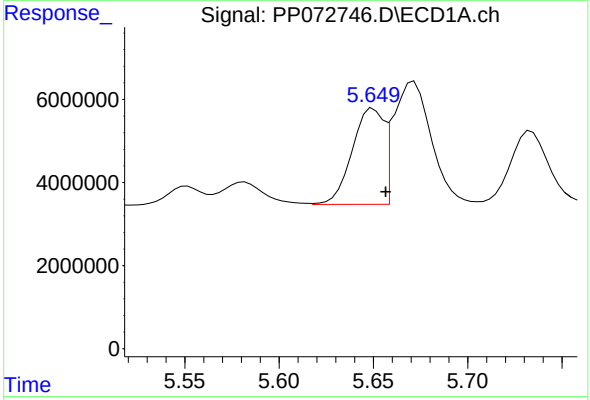
R.T.: 5.921 min
Delta R.T.: -0.004 min
Response: 16045361
Conc: 915.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



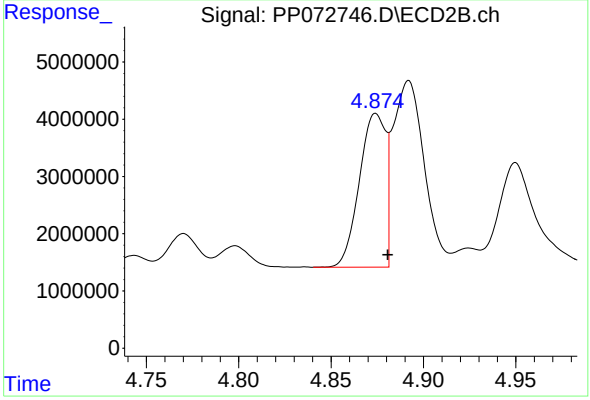
#15 AR-1232-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 21000811
Conc: 906.99 ng/ml



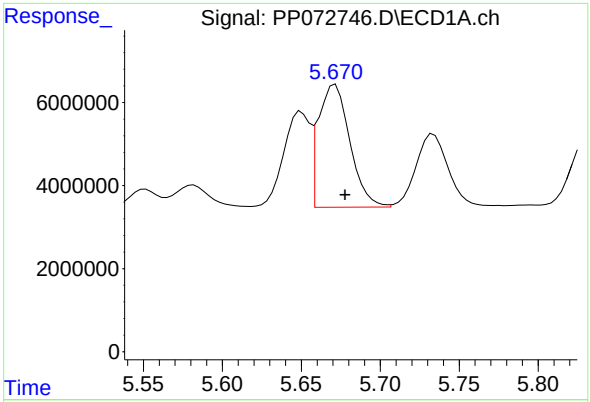
#16 AR-1242-1

R.T.: 5.650 min
Delta R.T.: -0.006 min
Response: 26915929
Conc: 429.99 ng/ml



#16 AR-1242-1

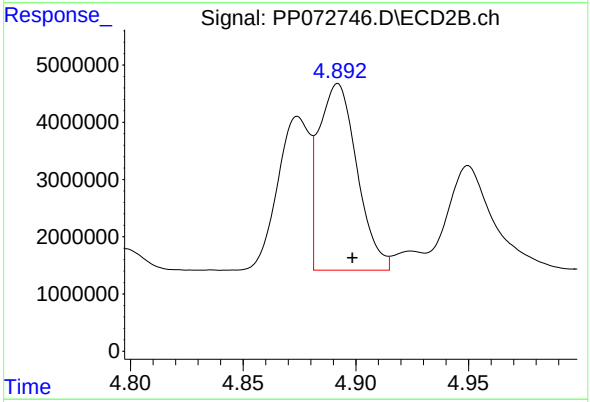
R.T.: 4.874 min
Delta R.T.: -0.006 min
Response: 26576167
Conc: 510.02 ng/ml



#17 AR-1242-2

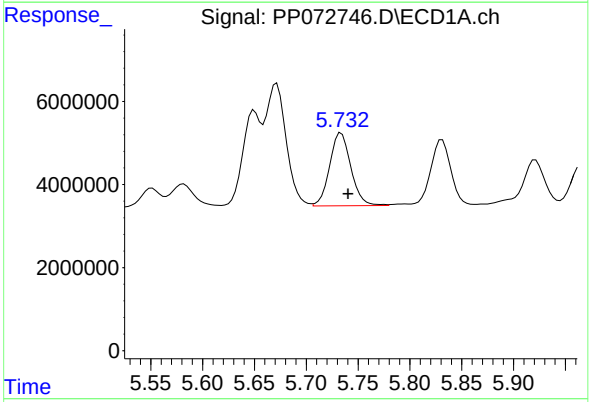
R.T.: 5.672 min
Delta R.T.: -0.006 min
Response: 41068211
Conc: 473.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



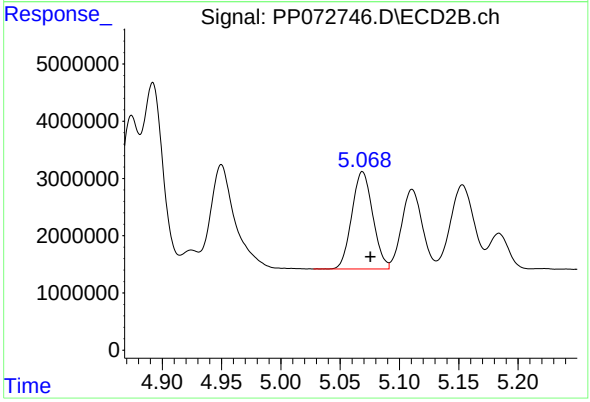
#17 AR-1242-2

R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 38432121
Conc: 522.91 ng/ml



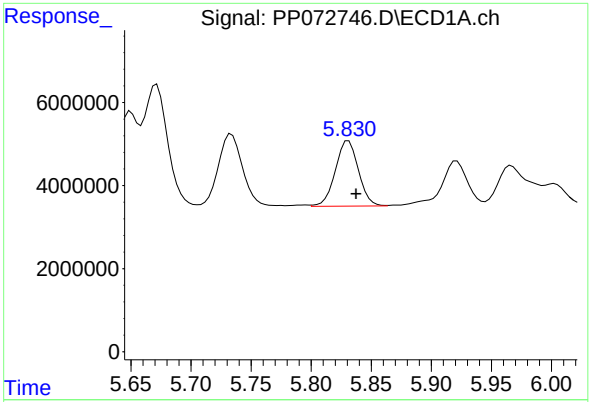
#18 AR-1242-3

R.T.: 5.734 min
Delta R.T.: -0.006 min
Response: 24957311
Conc: 453.23 ng/ml



#18 AR-1242-3

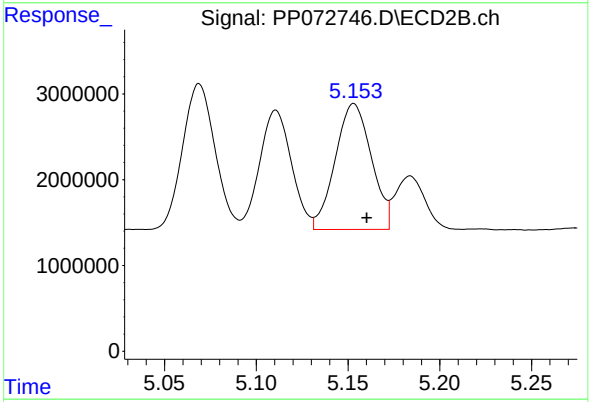
R.T.: 5.069 min
Delta R.T.: -0.007 min
Response: 20946963
Conc: 535.38 ng/ml



#19 AR-1242-4

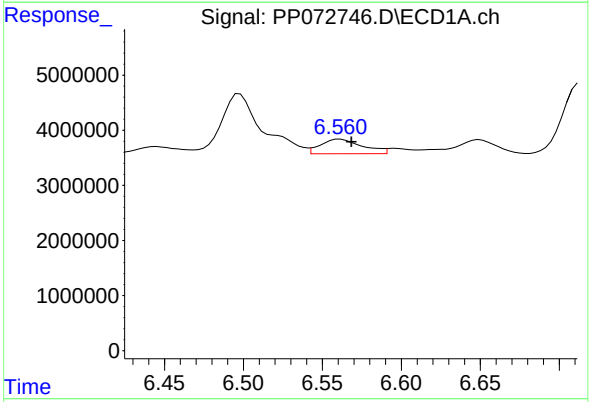
R.T.: 5.831 min
Delta R.T.: -0.006 min
Response: 21060886
Conc: 474.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



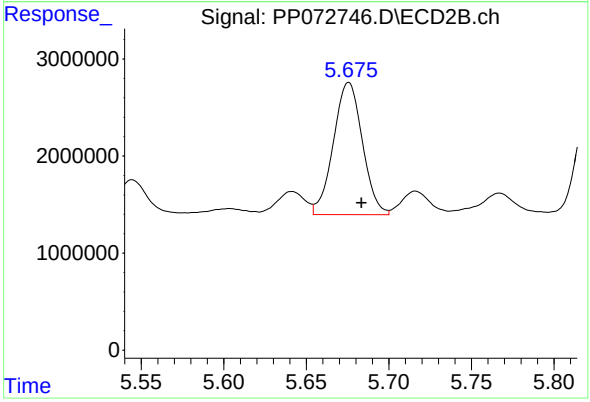
#19 AR-1242-4

R.T.: 5.153 min
Delta R.T.: -0.007 min
Response: 20120269
Conc: 535.36 ng/ml



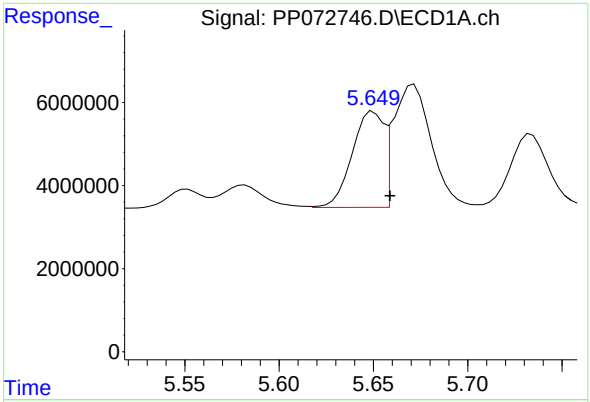
#20 AR-1242-5

R.T.: 6.561 min
Delta R.T.: -0.007 min
Response: 4893255
Conc: 95.97 ng/ml



#20 AR-1242-5

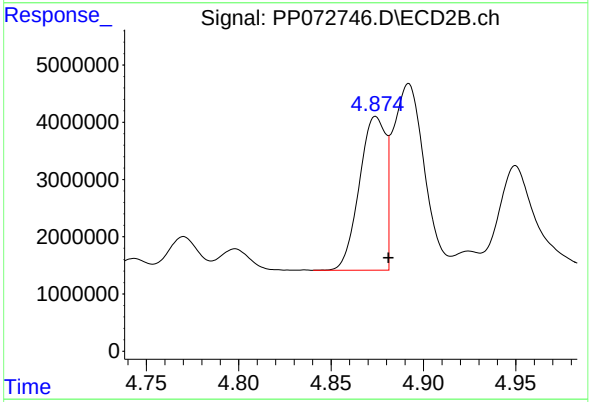
R.T.: 5.676 min
Delta R.T.: -0.008 min
Response: 16663701
Conc: 345.31 ng/ml



#21 AR-1248-1

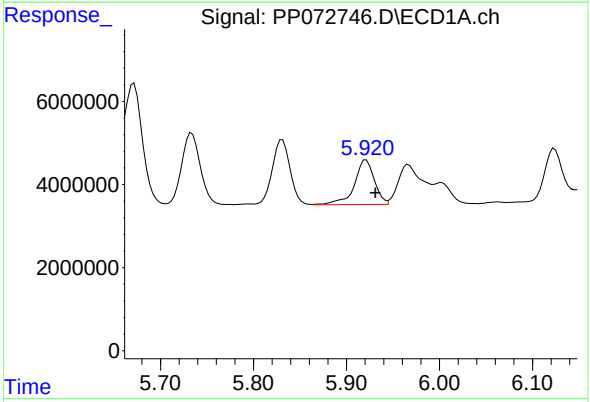
R.T.: 5.650 min
Delta R.T.: -0.009 min
Response: 26915929
Conc: 556.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



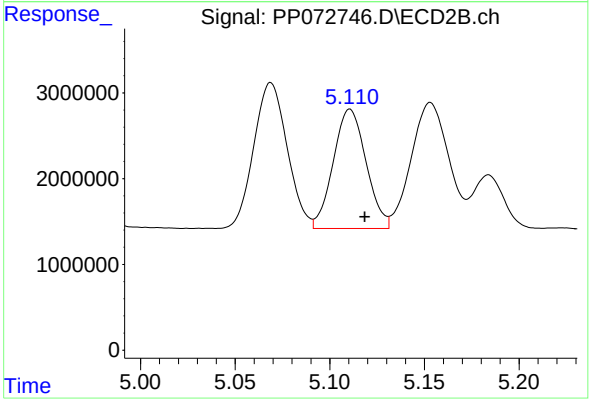
#21 AR-1248-1

R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 26576167
Conc: 613.46 ng/ml



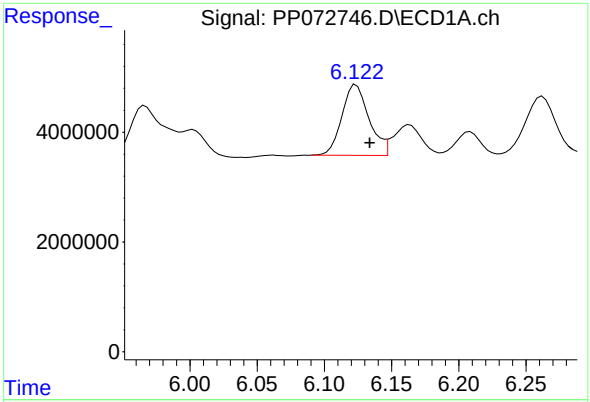
#22 AR-1248-2

R.T.: 5.921 min
Delta R.T.: -0.010 min
Response: 16045361
Conc: 264.60 ng/ml



#22 AR-1248-2

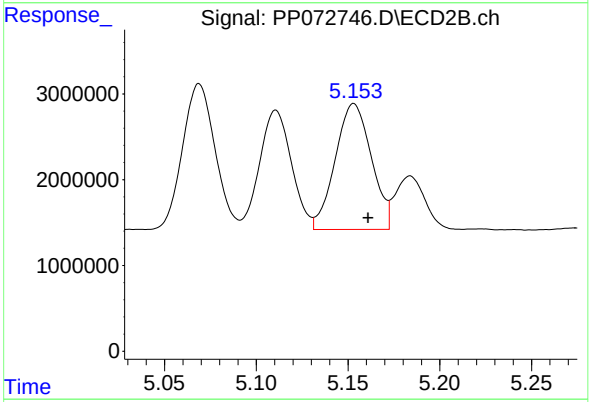
R.T.: 5.111 min
Delta R.T.: -0.008 min
Response: 16810081
Conc: 297.64 ng/ml



#23 AR-1248-3

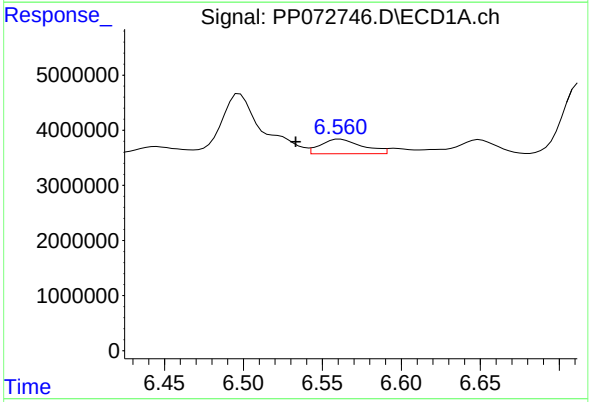
R.T.: 6.124 min
Delta R.T.: -0.010 min
Response: 18058715
Conc: 272.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



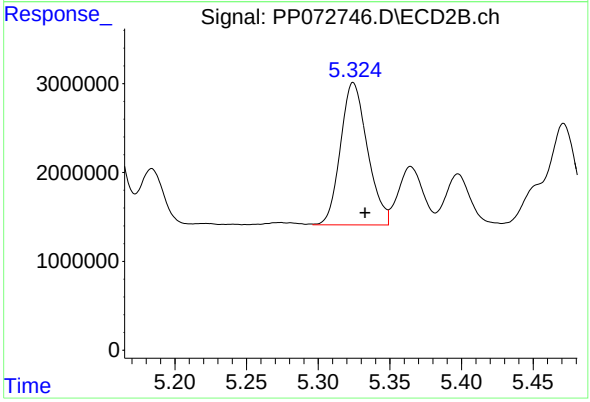
#23 AR-1248-3

R.T.: 5.153 min
Delta R.T.: -0.008 min
Response: 20120269
Conc: 340.40 ng/ml



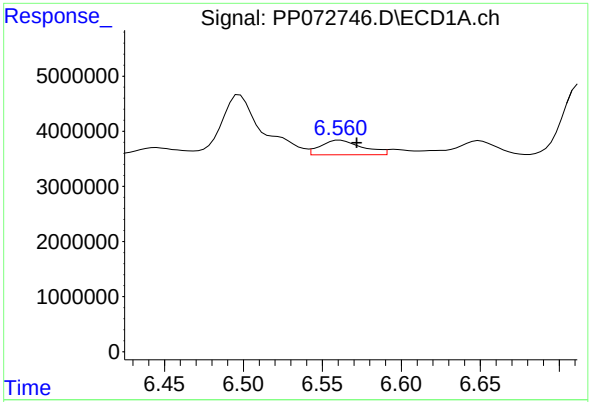
#24 AR-1248-4

R.T.: 6.561 min
Delta R.T.: 0.028 min
Response: 4893255
Conc: 55.99 ng/ml



#24 AR-1248-4

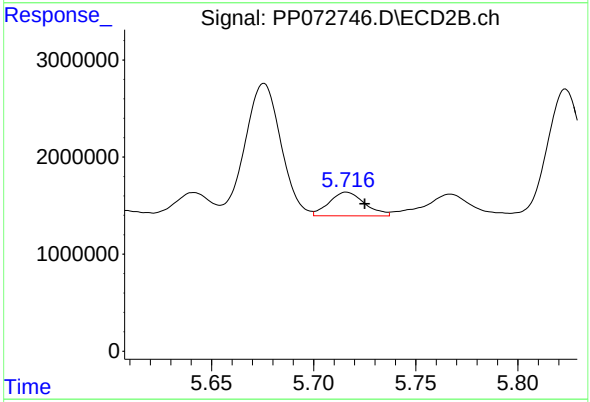
R.T.: 5.324 min
Delta R.T.: -0.008 min
Response: 21000811
Conc: 301.51 ng/ml



#25 AR-1248-5

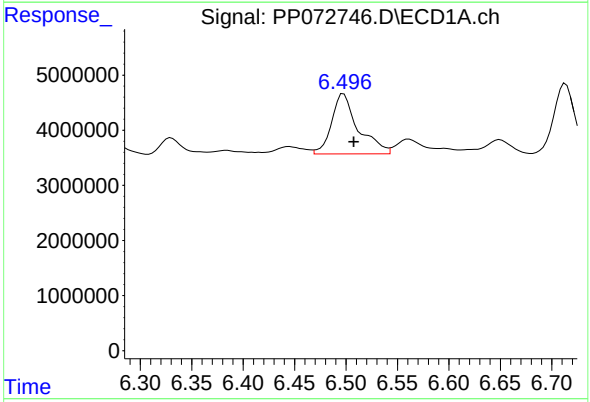
R.T.: 6.561 min
Delta R.T.: -0.011 min
Response: 4893255
Conc: 58.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



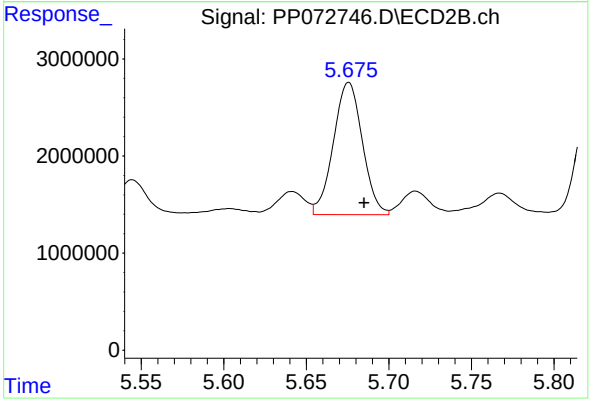
#25 AR-1248-5

R.T.: 5.716 min
Delta R.T.: -0.009 min
Response: 2961494
Conc: 42.47 ng/ml



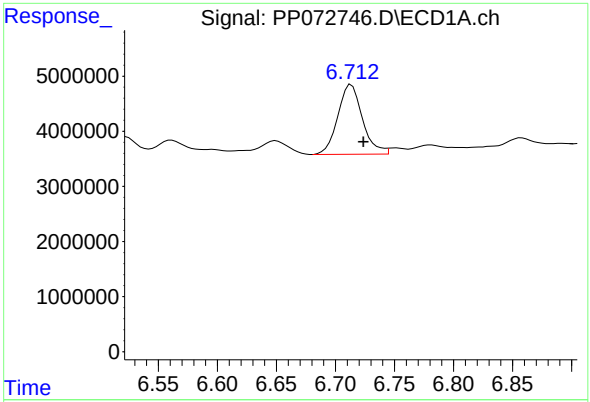
#26 AR-1254-1

R.T.: 6.498 min
Delta R.T.: -0.010 min
Response: 19576646
Conc: 227.63 ng/ml



#26 AR-1254-1

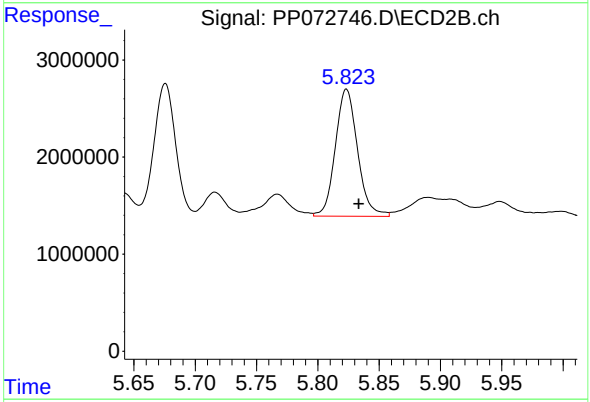
R.T.: 5.676 min
Delta R.T.: -0.009 min
Response: 16663701
Conc: 166.71 ng/ml



#27 AR-1254-2

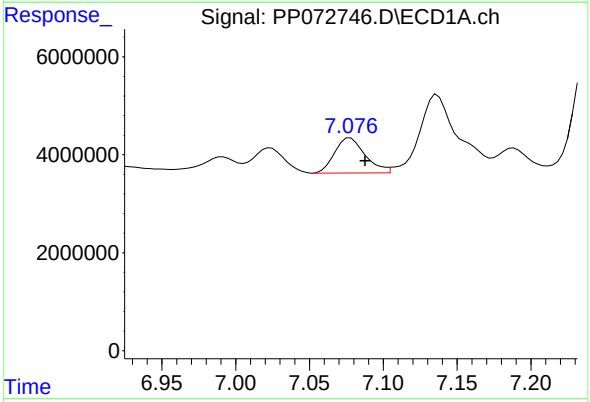
R.T.: 6.714 min
Delta R.T.: -0.010 min
Response: 18425876
Conc: 141.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



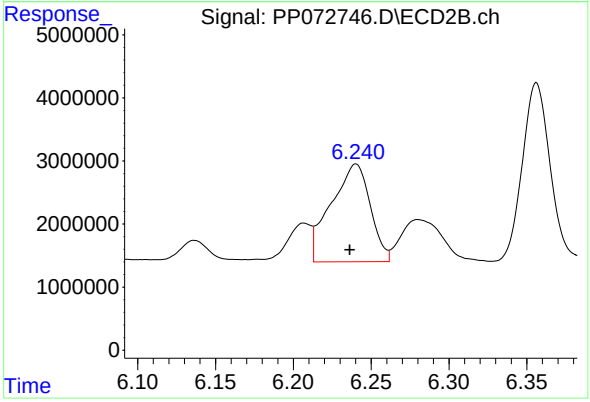
#27 AR-1254-2

R.T.: 5.823 min
Delta R.T.: -0.010 min
Response: 16518859
Conc: 191.40 ng/ml



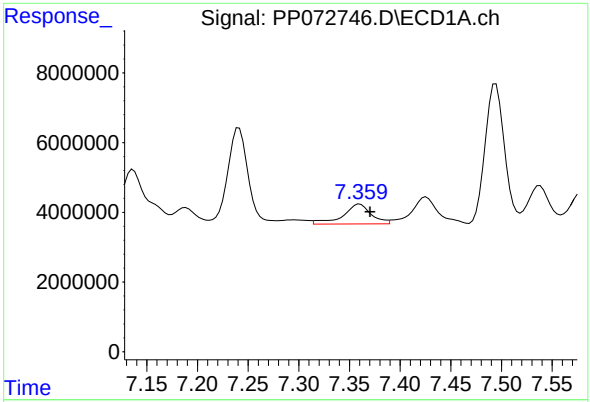
#28 AR-1254-3

R.T.: 7.078 min
Delta R.T.: -0.010 min
Response: 10324550
Conc: 78.21 ng/ml



#28 AR-1254-3

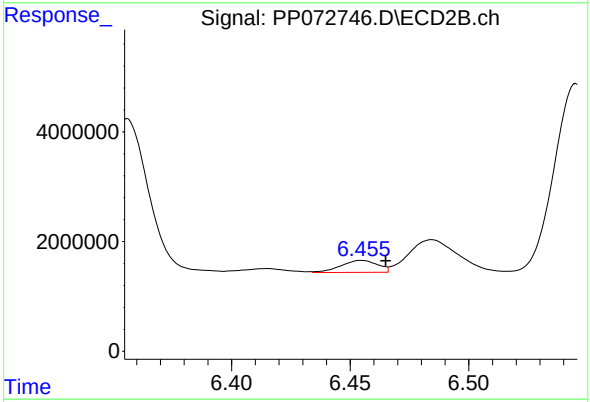
R.T.: 6.240 min
Delta R.T.: 0.004 min
Response: 27182276
Conc: 211.34 ng/ml



#29 AR-1254-4

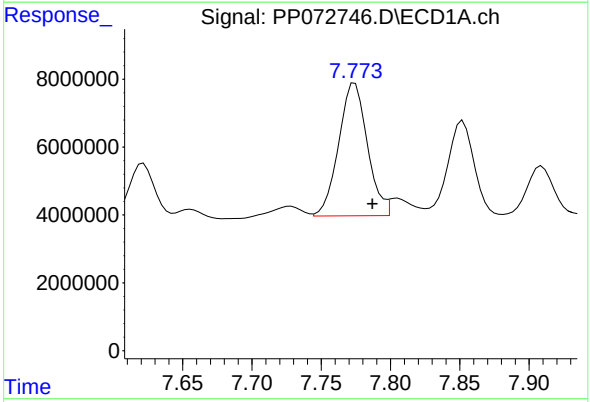
R.T.: 7.360 min
Delta R.T.: -0.010 min
Response: 11086895
Conc: 84.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



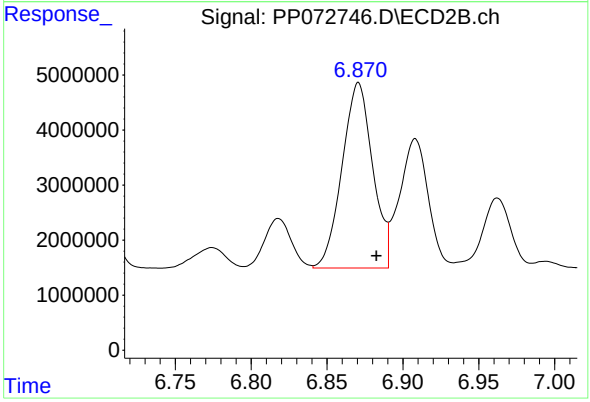
#29 AR-1254-4

R.T.: 6.455 min
Delta R.T.: -0.010 min
Response: 2367437
Conc: 27.76 ng/ml



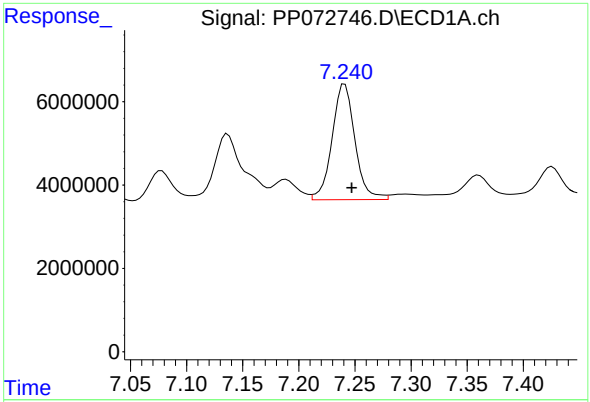
#30 AR-1254-5

R.T.: 7.774 min
Delta R.T.: -0.013 min
Response: 56565771
Conc: 508.47 ng/ml



#30 AR-1254-5

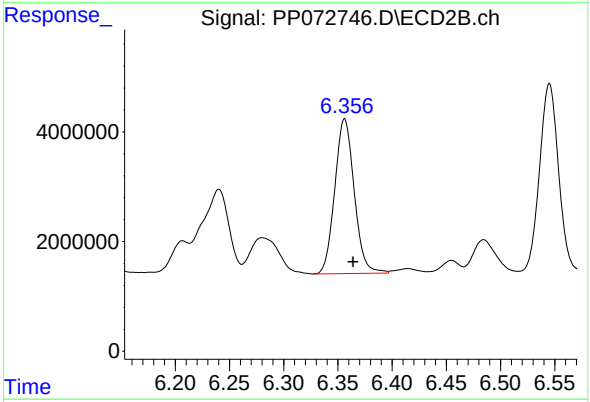
R.T.: 6.871 min
Delta R.T.: -0.012 min
Response: 47341659
Conc: 417.65 ng/ml



#31 AR-1260-1

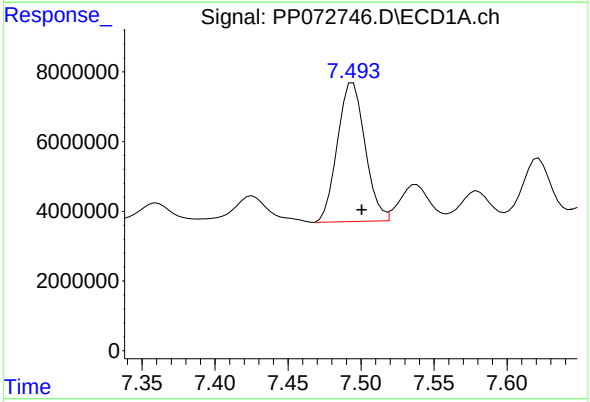
R.T.: 7.241 min
Delta R.T.: -0.006 min
Response: 39341703
Conc: 420.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



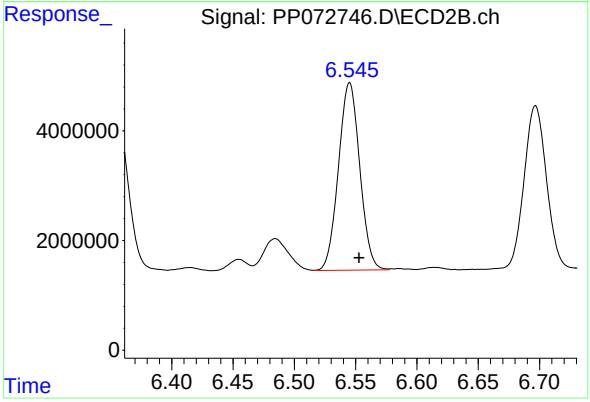
#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.008 min
Response: 35250563
Conc: 441.99 ng/ml



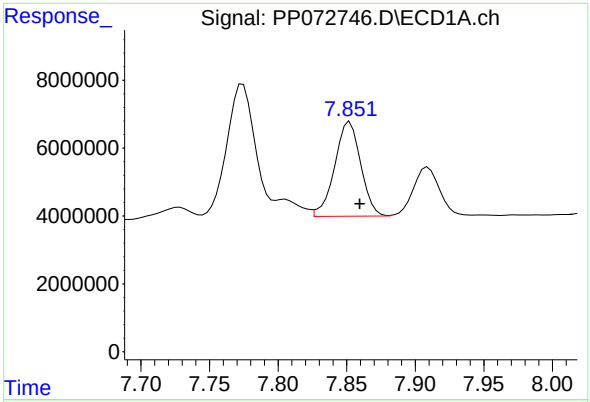
#32 AR-1260-2

R.T.: 7.494 min
Delta R.T.: -0.006 min
Response: 52397398
Conc: 365.16 ng/ml



#32 AR-1260-2

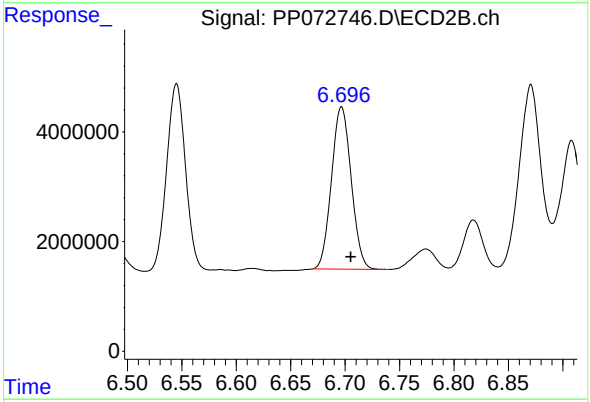
R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 41361468
Conc: 407.81 ng/ml



#33 AR-1260-3

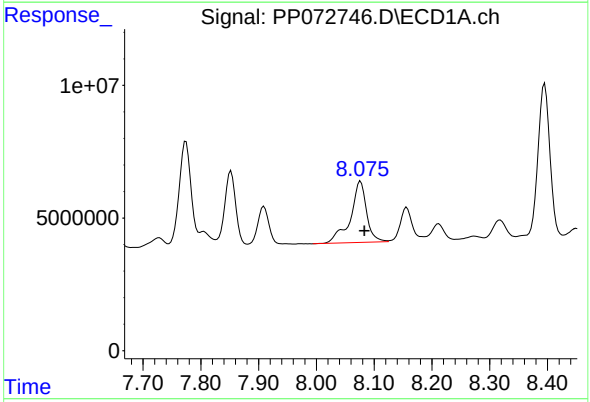
R.T.: 7.852 min
Delta R.T.: -0.007 min
Response: 36835612
Conc: 323.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



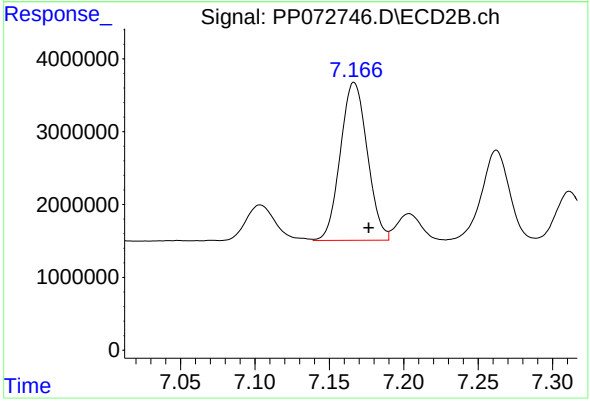
#33 AR-1260-3

R.T.: 6.697 min
Delta R.T.: -0.009 min
Response: 37303536
Conc: 429.26 ng/ml



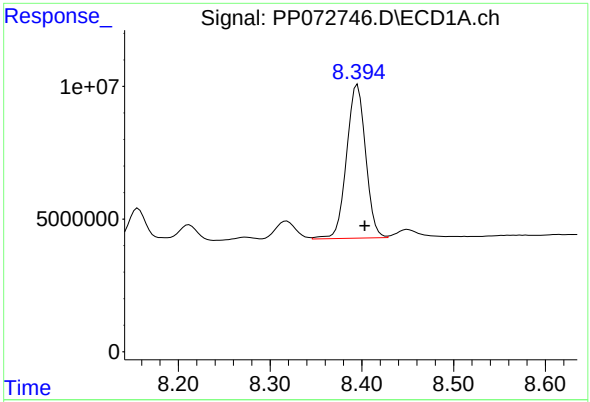
#34 AR-1260-4

R.T.: 8.076 min
Delta R.T.: -0.007 min
Response: 44807580
Conc: 417.58 ng/ml



#34 AR-1260-4

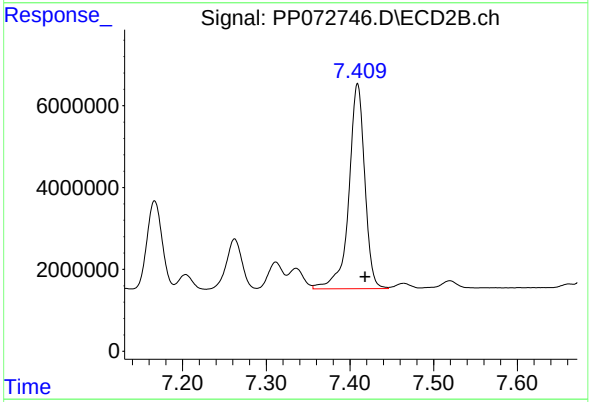
R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 27306981
Conc: 378.79 ng/ml



#35 AR-1260-5

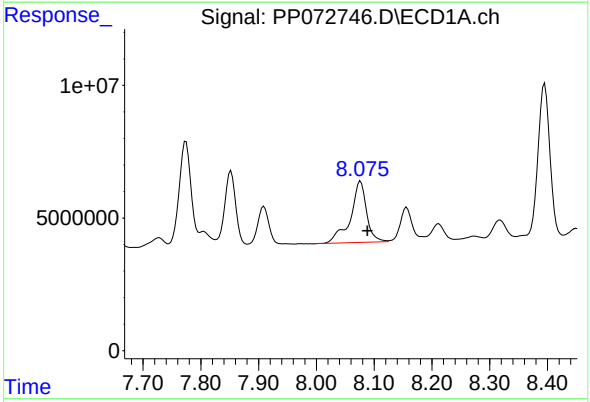
R.T.: 8.395 min
Delta R.T.: -0.008 min
Response: 83510668
Conc: 352.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



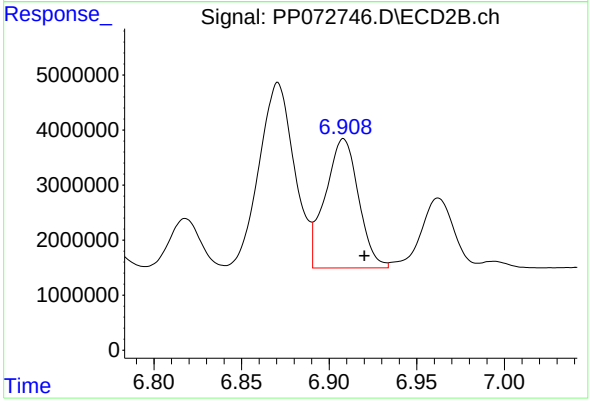
#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 66034833
Conc: 380.33 ng/ml



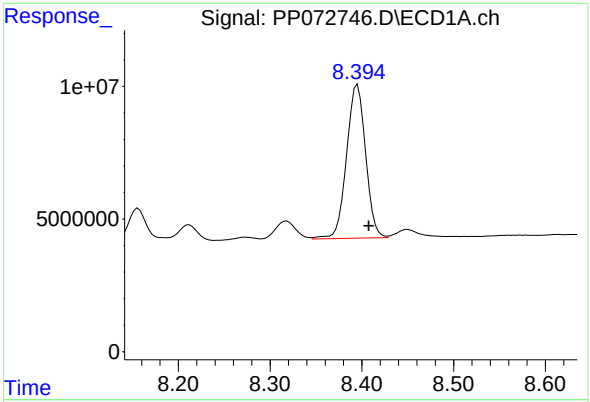
#36 AR-1262-1

R.T.: 8.076 min
Delta R.T.: -0.012 min
Response: 44807580
Conc: 336.28 ng/ml



#36 AR-1262-1

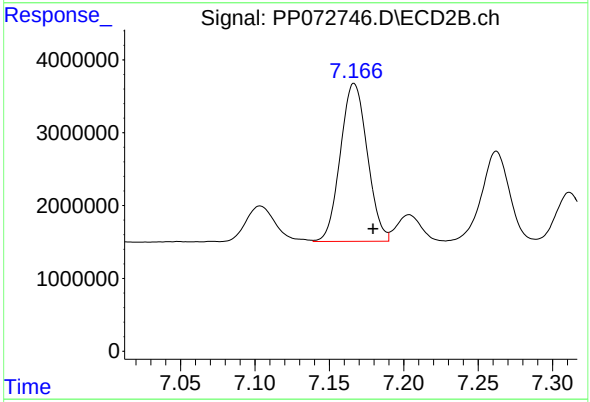
R.T.: 6.908 min
Delta R.T.: -0.012 min
Response: 31041247
Conc: 274.63 ng/ml



#37 AR-1262-2

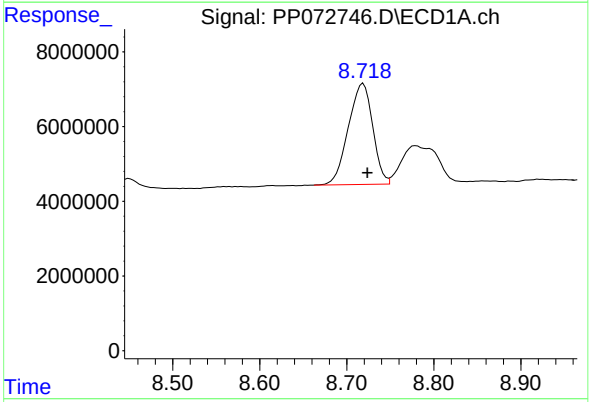
R.T.: 8.395 min
Delta R.T.: -0.012 min
Response: 83510668
Conc: 306.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



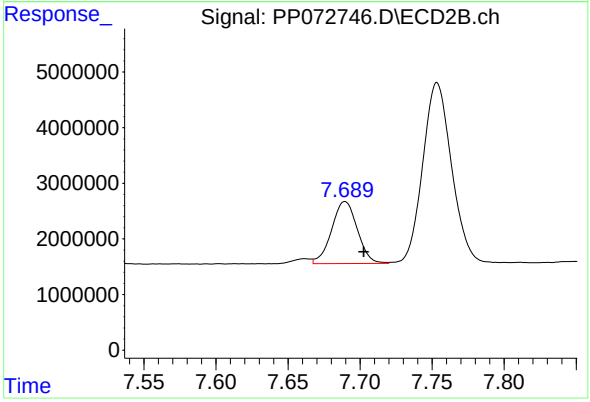
#37 AR-1262-2

R.T.: 7.167 min
Delta R.T.: -0.013 min
Response: 27306981
Conc: 281.15 ng/ml



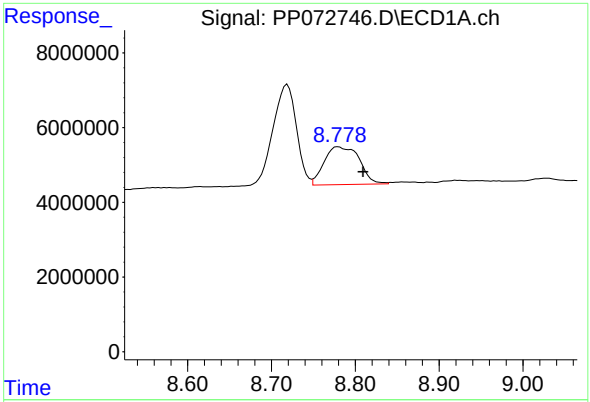
#38 AR-1262-3

R.T.: 8.719 min
Delta R.T.: -0.005 min
Response: 52727276
Conc: 284.20 ng/ml



#38 AR-1262-3

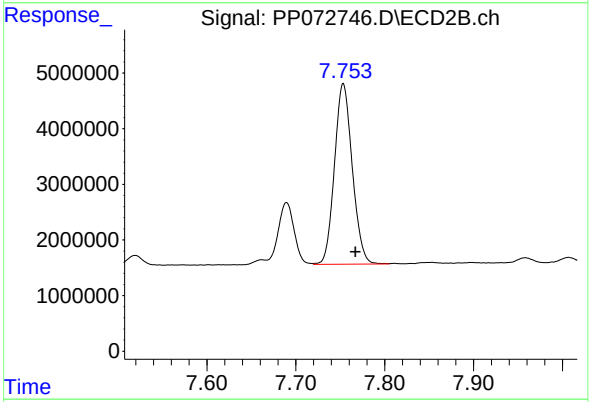
R.T.: 7.690 min
Delta R.T.: -0.013 min
Response: 13901817
Conc: 170.51 ng/ml



#39 AR-1262-4

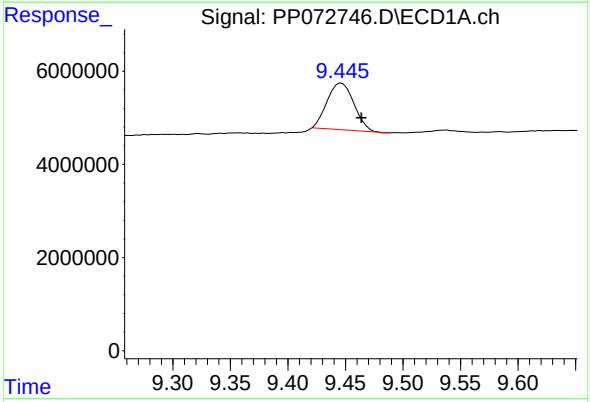
R.T.: 8.780 min
Delta R.T.: -0.030 min
Response: 29516658
Conc: 219.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



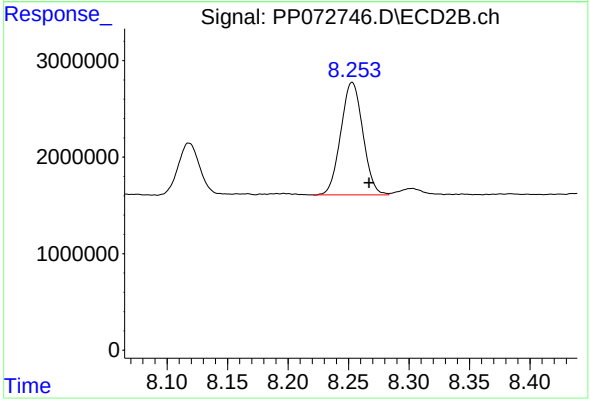
#39 AR-1262-4

R.T.: 7.753 min
Delta R.T.: -0.014 min
Response: 45219731
Conc: 321.56 ng/ml



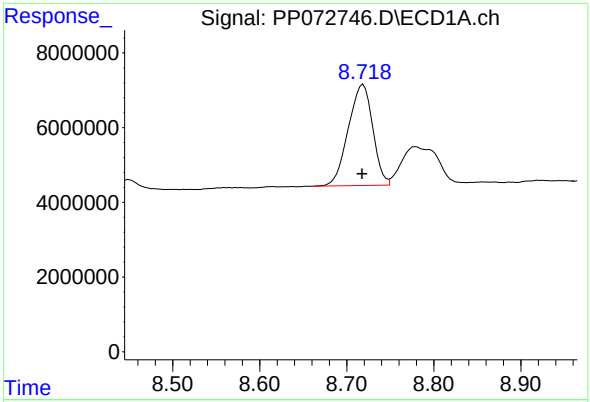
#40 AR-1262-5

R.T.: 9.447 min
Delta R.T.: -0.017 min
Response: 16247670
Conc: 175.73 ng/ml



#40 AR-1262-5

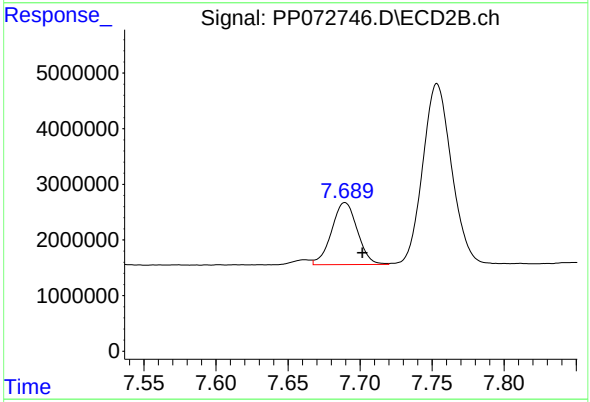
R.T.: 8.253 min
Delta R.T.: -0.014 min
Response: 14813450
Conc: 227.61 ng/ml



#41 AR-1268-1

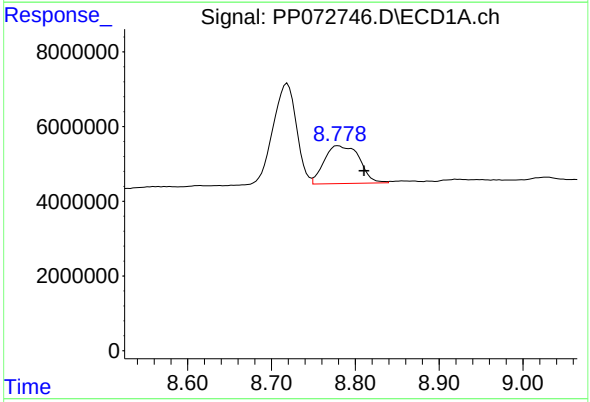
R.T.: 8.719 min
Delta R.T.: 0.001 min
Response: 52727276
Conc: 158.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



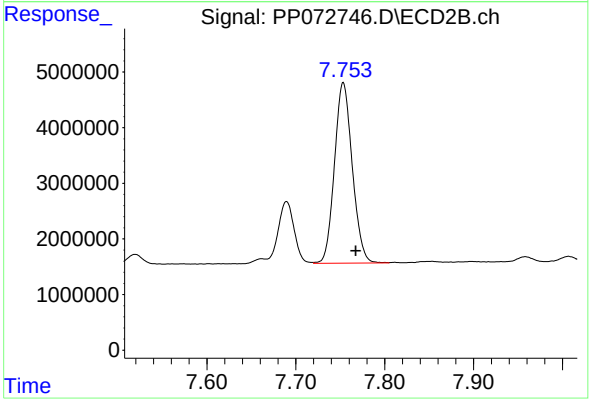
#41 AR-1268-1

R.T.: 7.690 min
Delta R.T.: -0.012 min
Response: 13901817
Conc: 59.35 ng/ml



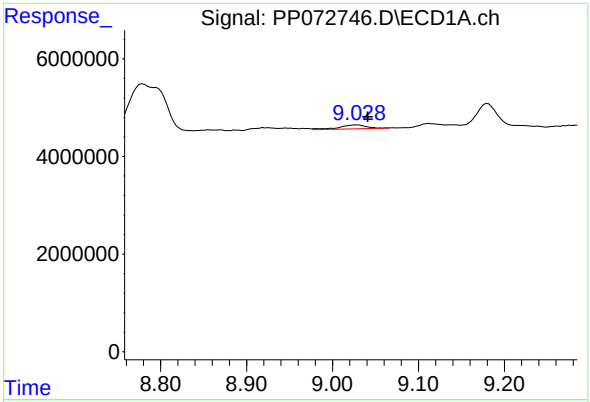
#42 AR-1268-2

R.T.: 8.780 min
Delta R.T.: -0.031 min
Response: 29516658
Conc: 105.42 ng/ml



#42 AR-1268-2

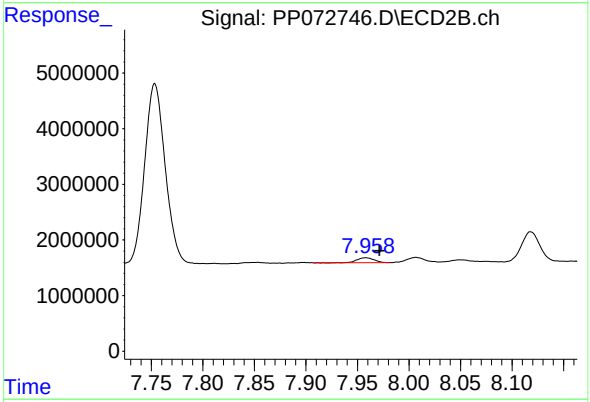
R.T.: 7.753 min
Delta R.T.: -0.014 min
Response: 45219731
Conc: 218.64 ng/ml



#43 AR-1268-3

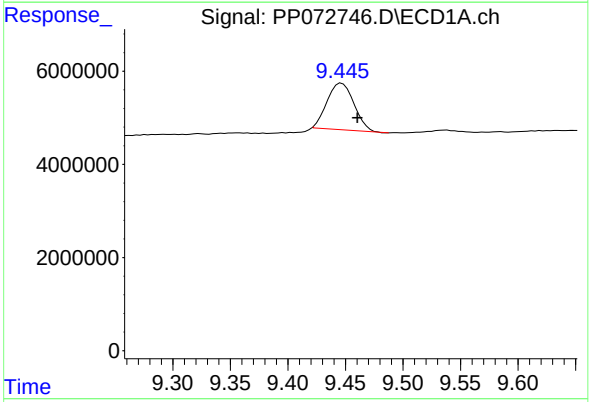
R.T.: 9.029 min
Delta R.T.: -0.012 min
Response: 1842754
Conc: 7.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



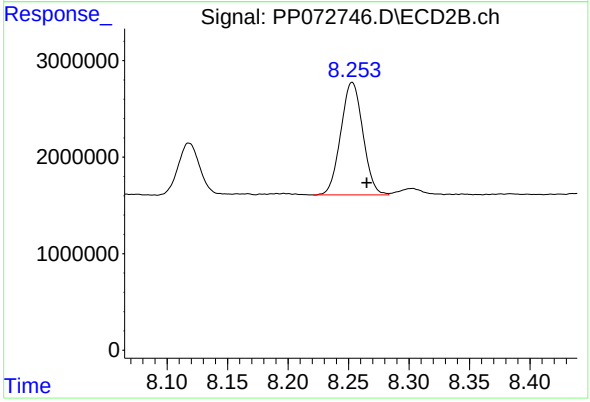
#43 AR-1268-3

R.T.: 7.958 min
Delta R.T.: -0.013 min
Response: 1001128
Conc: 5.91 ng/ml



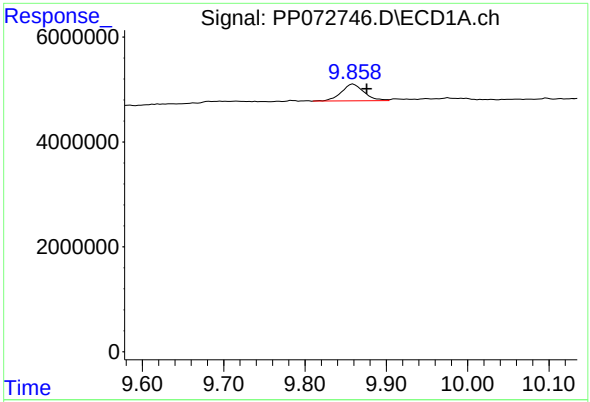
#44 AR-1268-4

R.T.: 9.447 min
Delta R.T.: -0.014 min
Response: 16247670
Conc: 154.82 ng/ml



#44 AR-1268-4

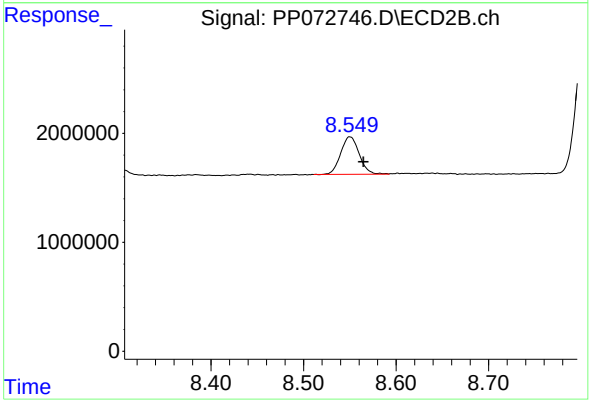
R.T.: 8.253 min
Delta R.T.: -0.012 min
Response: 14813450
Conc: 203.04 ng/ml



#45 AR-1268-5

R.T.: 9.859 min
Delta R.T.: -0.017 min
Response: 6157569
Conc: 9.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MS



#45 AR-1268-5

R.T.: 8.550 min
Delta R.T.: -0.015 min
Response: 4793703
Conc: 10.49 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:18
Operator : YP\AJ
Sample : Q2246-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.500	3.793	41377739	35005949	20.578	21.901	
2)	SA Decachlor...	10.200	8.807	33387980	23806900	20.494	22.489	
	Target Compounds							
3)	L1 AR-1016-1	5.652	4.874	25860704	25519658	344.425	415.430	
4)	L1 AR-1016-2	5.674	4.892	39206429	36723173	366.444	418.310	
5)	L1 AR-1016-3	5.736	5.069	23702315	20136509	361.509	422.552	
6)	L1 AR-1016-4	5.833	5.110	21016386	16127646	394.526	423.906	
7)	L1 AR-1016-5	6.125	5.324	17627500	20520325	360.413	411.853	
8)	L2 AR-1221-1	4.701	4.001	5790854	2918999	221.514	108.876	#
9)	L2 AR-1221-2	4.788	4.088	4405118	6550392	215.945	318.988	#
10)	L2 AR-1221-3	4.863	4.164	15476174	14881187	255.807	252.704	
11)	L3 AR-1232-1	4.863	4.164	15476174	14881187	328.522	343.323	
12)	L3 AR-1232-2	5.387	4.892	20407891	36723173	876.508	831.204	
13)	L3 AR-1232-3	5.674	5.069	39206429	20136509	783.140	861.157	
14)	L3 AR-1232-4	5.833	5.152	21016386	19314788	837.338	932.174	
15)	L3 AR-1232-5	5.923	5.324	15787653	20520325	901.145	886.238	
16)	L4 AR-1242-1	5.652	4.874	25860704	25519658	413.128	489.742	
17)	L4 AR-1242-2	5.674	4.892	39206429	36723173	451.792	499.661	
18)	L4 AR-1242-3	5.736	5.069	23702315	20136509	430.435	514.664	
19)	L4 AR-1242-4	5.833	5.152	21016386	19314788	473.886	513.926	
20)	L4 AR-1242-5	6.564	5.675	5326478	16616381	104.472	344.326	#
21)	L5 AR-1248-1	5.652	4.874	25860704	25519658	534.362	589.074	
22)	L5 AR-1248-2	5.923	5.110	15787653	16127646	260.350	285.560	
23)	L5 AR-1248-3	6.125	5.152	17627500	19314788	266.356	326.776	
24)	L5 AR-1248-4	6.564	5.324	5326478	20520325	60.949	294.609	#
25)	L5 AR-1248-5	6.564	5.716	5326478	2969375	64.155	42.578	#
26)	L6 AR-1254-1	6.500	5.675	19500094	16616381	226.737	166.240	#
27)	L6 AR-1254-2	6.716	5.823	17722212	16349906	135.618	189.439	#
28)	L6 AR-1254-3	7.079	6.241	9659590	27007735	73.177	209.980	#
29)	L6 AR-1254-4	7.362	6.454	9795975	2552589	75.059	29.926	#
30)	L6 AR-1254-5	7.776	6.870	56444493	46734036	507.381	412.293	
31)	L7 AR-1260-1	7.243	6.356	37412778	35213210	399.731	441.524	
32)	L7 AR-1260-2	7.496	6.545	51614072	40924269	359.706	403.504	
33)	L7 AR-1260-3	7.854	6.696	36313161	36809495	318.898	423.573	#
34)	L7 AR-1260-4	8.078	7.167	37730871	27293710	351.631	378.601	
35)	L7 AR-1260-5	8.397	7.408	84777358	65735007	358.221	378.606	
36)	L8 AR-1262-1	8.078	6.908	37730871	30844892	283.169	272.895	
37)	L8 AR-1262-2	8.397	7.167	84777358	27293710	311.241	281.011	
38)	L8 AR-1262-3	8.721	7.689	51351123	13725087	276.781	168.342	#
39)	L8 AR-1262-4	8.779	7.753	27888270	44809913	207.686	318.650	#
40)	L8 AR-1262-5	9.449	8.252	16861013	14428413	182.359	221.690	
41)	L9 AR-1268-1	8.721	7.689	51351123	13725087	154.137	58.600	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:18
Operator : YP\AJ
Sample : Q2246-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.779	7.753	27888270	44809913	99.605	216.662 #
43) L9	AR-1268-3	9.032	7.958	1999932	1074117	8.282	6.342
44) L9	AR-1268-4	9.449	8.252	16861013	14428413	160.660	197.766
45) L9	AR-1268-5	9.862	8.550	6262674	4753835	9.251	10.403

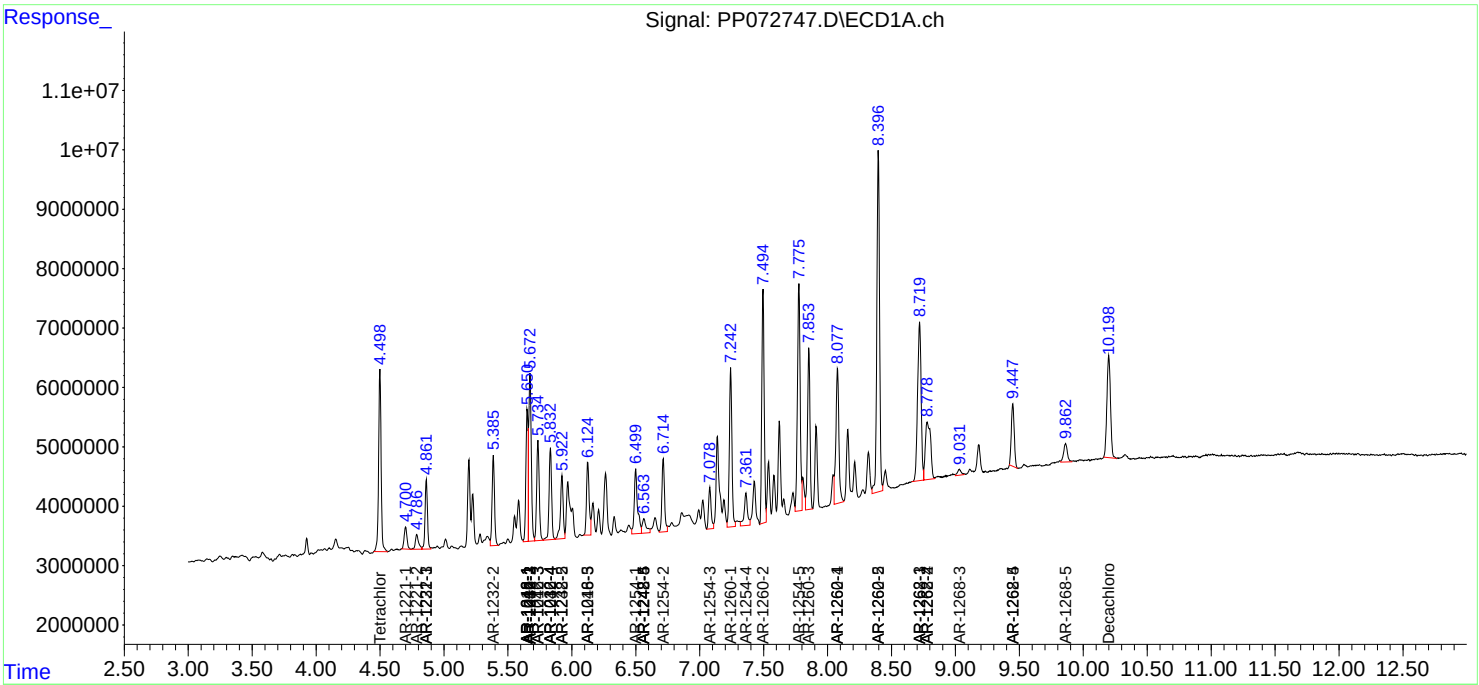
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

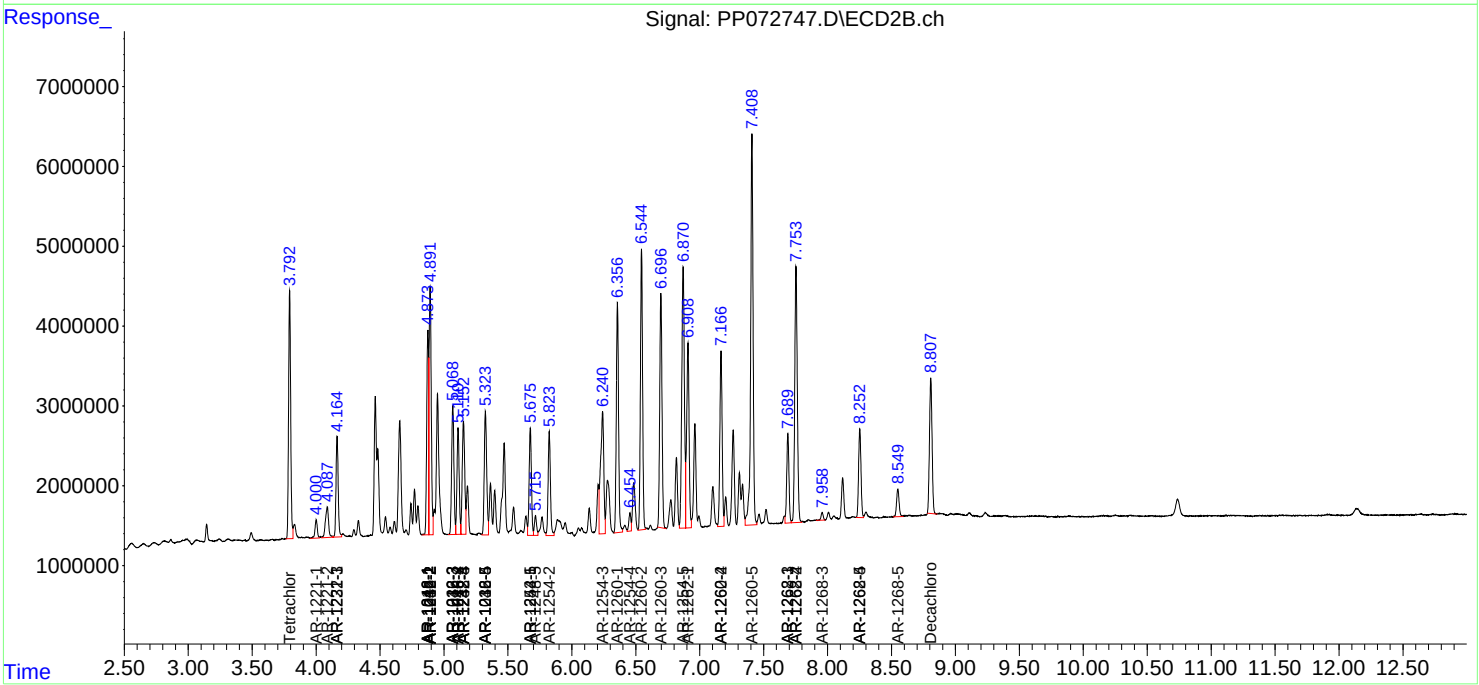
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:18
Operator : YP\AJ
Sample : Q2246-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

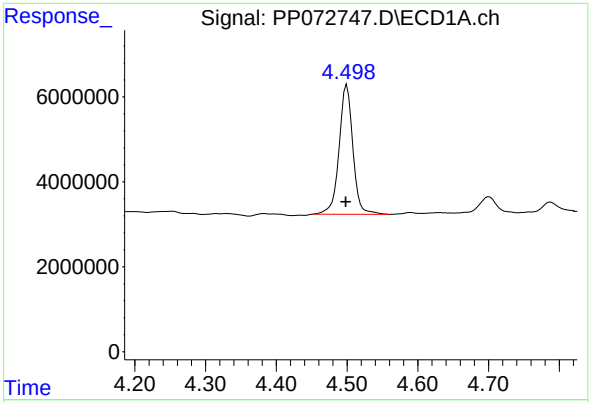
Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



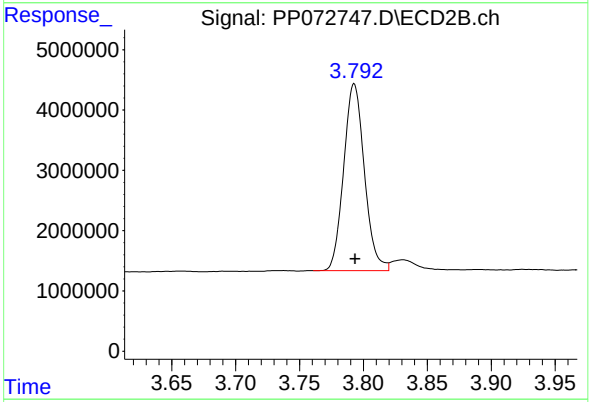




#1 Tetrachloro-m-xylene

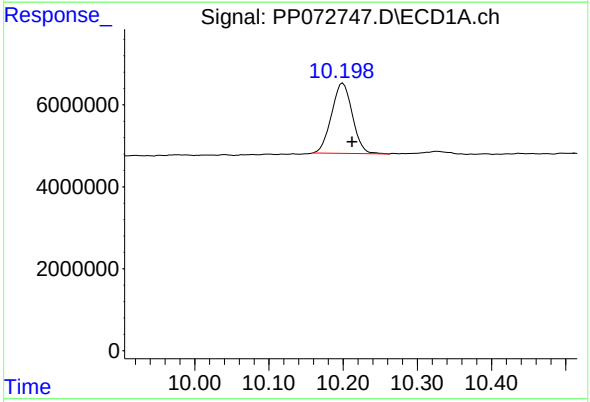
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 41377739
Conc: 20.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



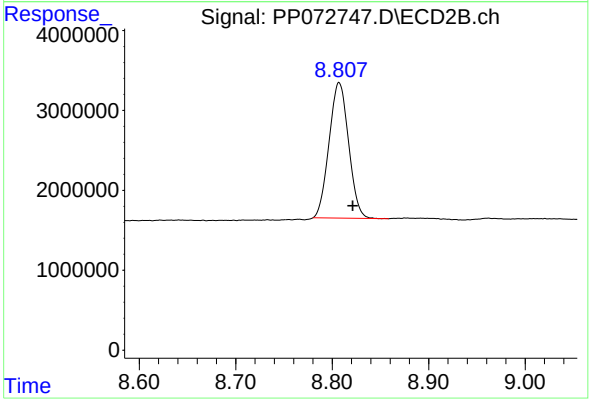
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 35005949
Conc: 21.90 ng/ml



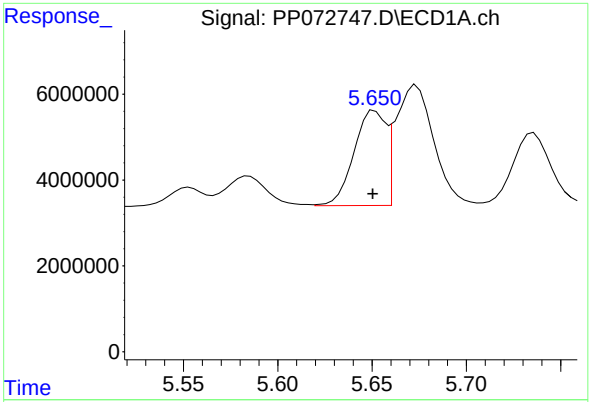
#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 33387980
Conc: 20.49 ng/ml



#2 Decachlorobiphenyl

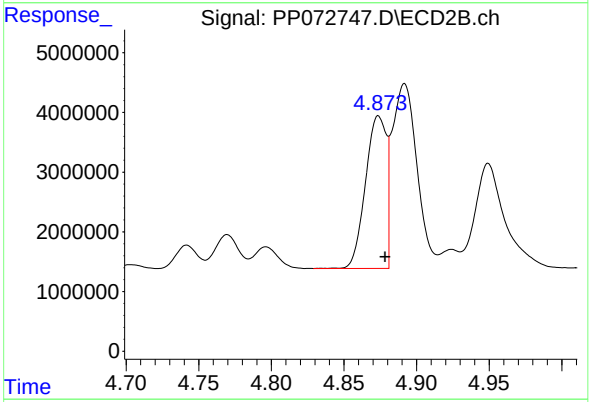
R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 23806900
Conc: 22.49 ng/ml



#3 AR-1016-1

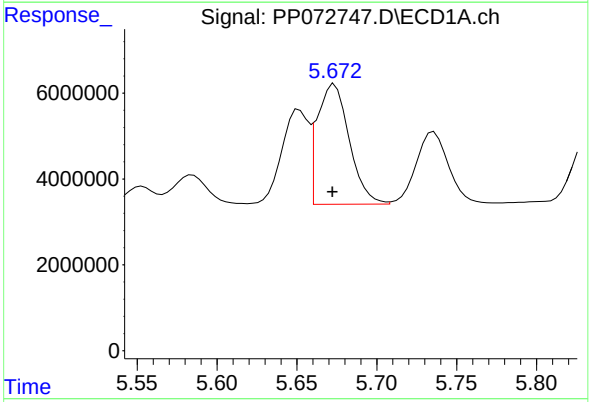
R.T.: 5.652 min
Delta R.T.: 0.001 min
Response: 25860704
Conc: 344.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



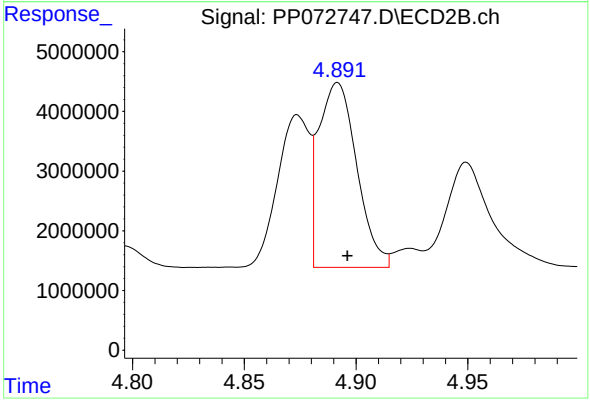
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 25519658
Conc: 415.43 ng/ml



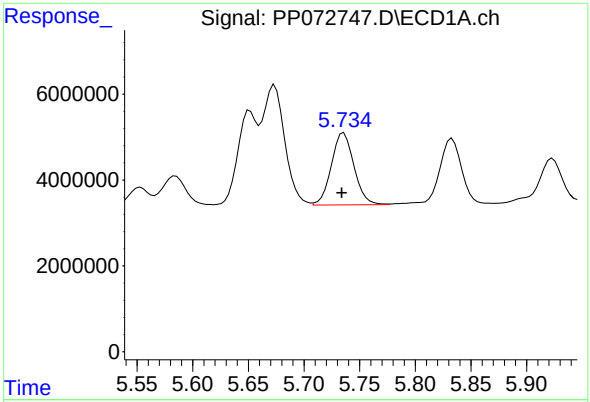
#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.001 min
Response: 39206429
Conc: 366.44 ng/ml



#4 AR-1016-2

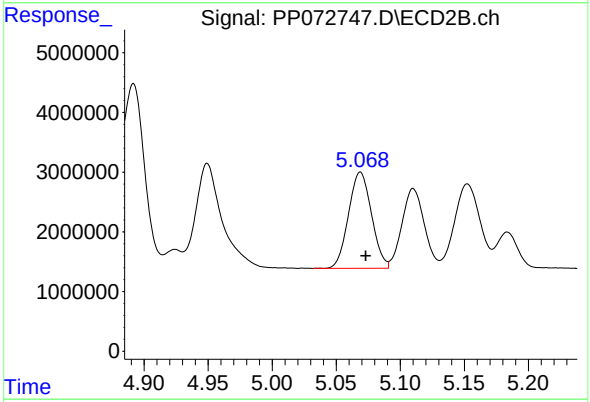
R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 36723173
Conc: 418.31 ng/ml



#5 AR-1016-3

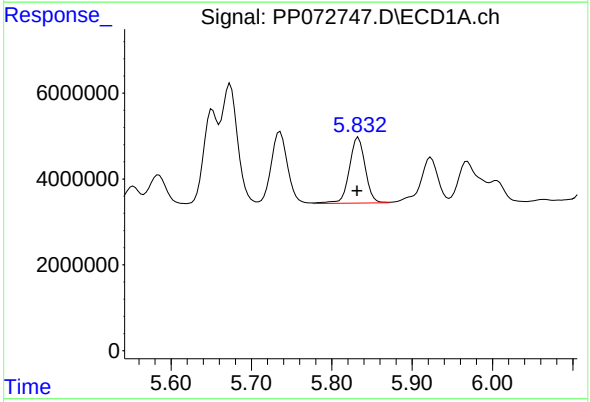
R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 23702315
Conc: 361.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



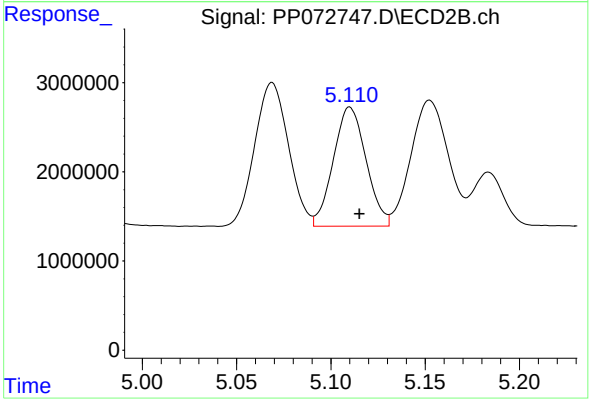
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 20136509
Conc: 422.55 ng/ml



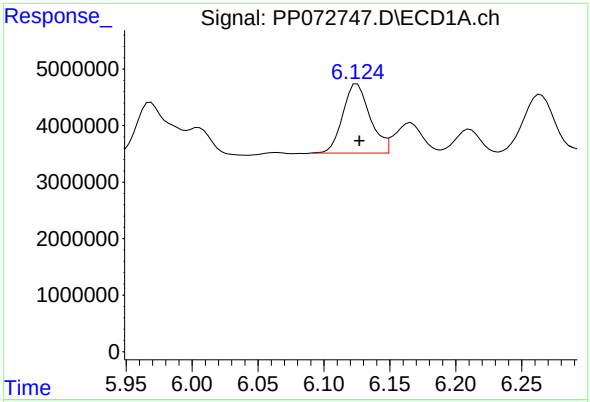
#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.002 min
Response: 21016386
Conc: 394.53 ng/ml



#6 AR-1016-4

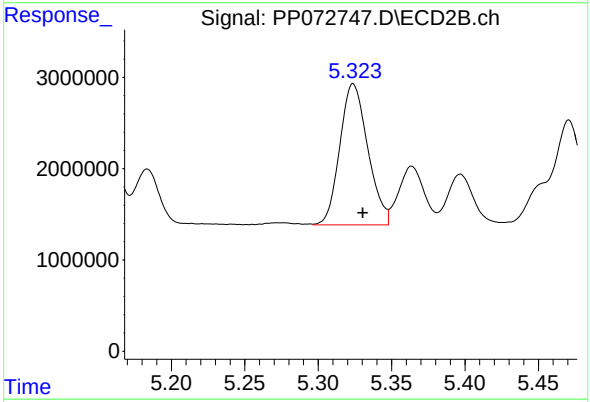
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 16127646
Conc: 423.91 ng/ml



#7 AR-1016-5

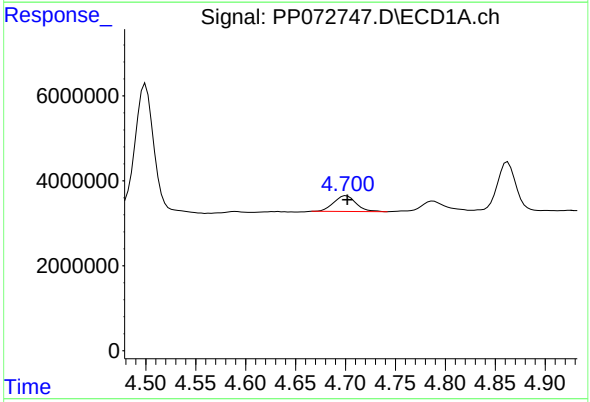
R.T.: 6.125 min
Delta R.T.: -0.002 min
Response: 17627500
Conc: 360.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



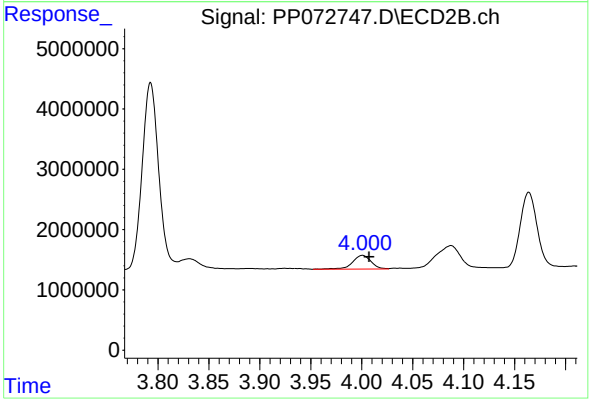
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.007 min
Response: 20520325
Conc: 411.85 ng/ml



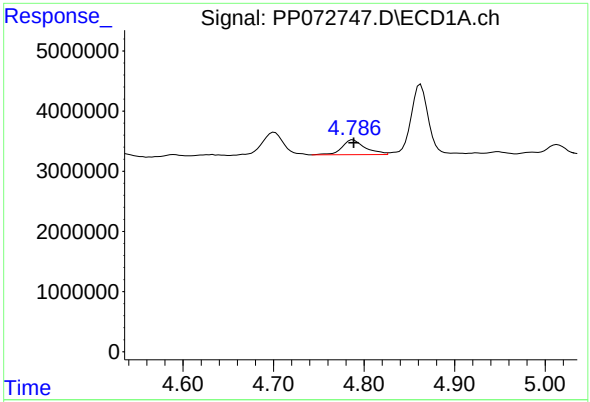
#8 AR-1221-1

R.T.: 4.701 min
Delta R.T.: -0.001 min
Response: 5790854
Conc: 221.51 ng/ml



#8 AR-1221-1

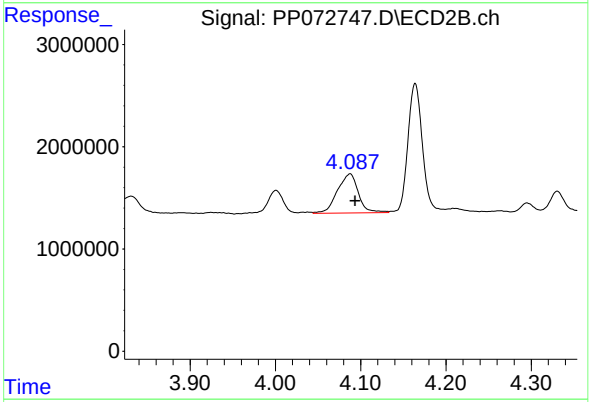
R.T.: 4.001 min
Delta R.T.: -0.006 min
Response: 2918999
Conc: 108.88 ng/ml



#9 AR-1221-2

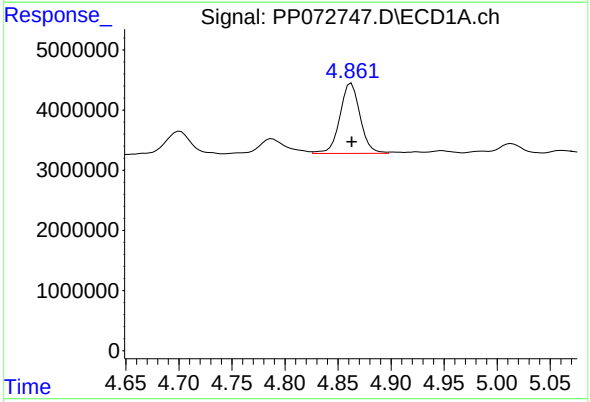
R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 4405118
Conc: 215.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



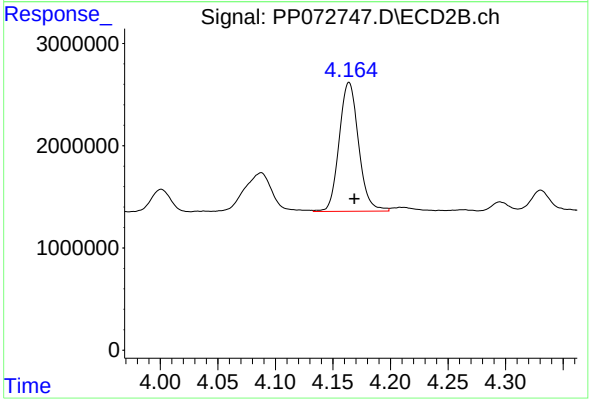
#9 AR-1221-2

R.T.: 4.088 min
Delta R.T.: -0.006 min
Response: 6550392
Conc: 318.99 ng/ml



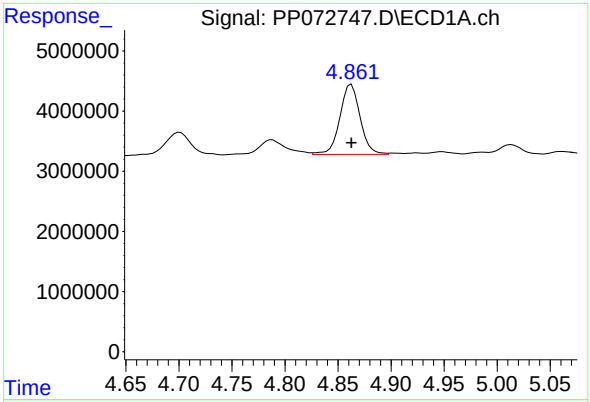
#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 15476174
Conc: 255.81 ng/ml



#10 AR-1221-3

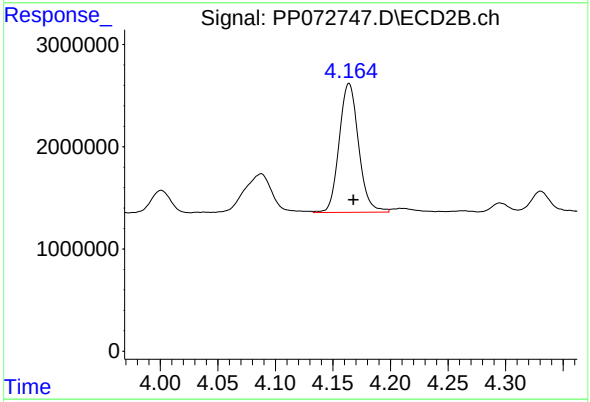
R.T.: 4.164 min
Delta R.T.: -0.005 min
Response: 14881187
Conc: 252.70 ng/ml



#11 AR-1232-1

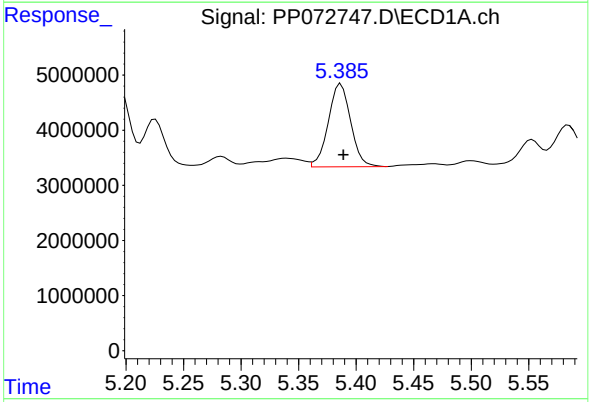
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 15476174
Conc: 328.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



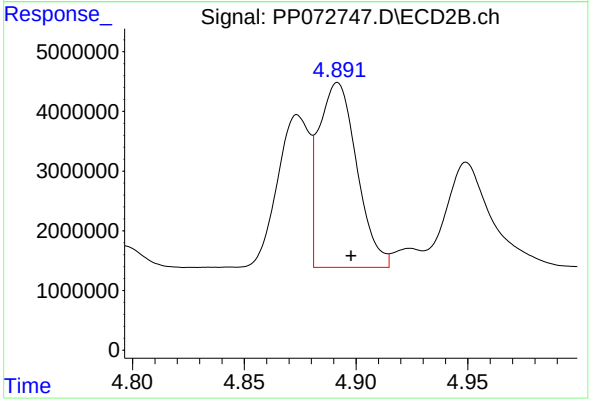
#11 AR-1232-1

R.T.: 4.164 min
Delta R.T.: -0.004 min
Response: 14881187
Conc: 343.32 ng/ml



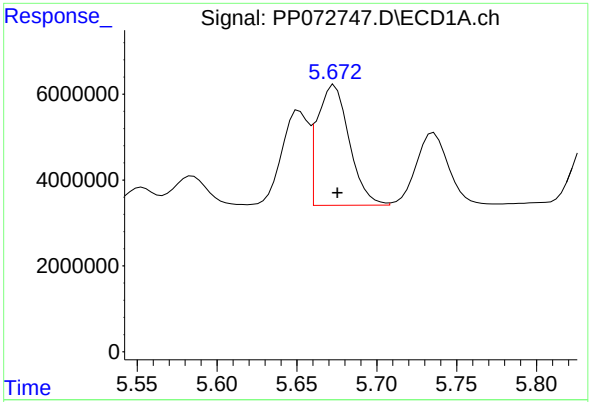
#12 AR-1232-2

R.T.: 5.387 min
Delta R.T.: -0.002 min
Response: 20407891
Conc: 876.51 ng/ml



#12 AR-1232-2

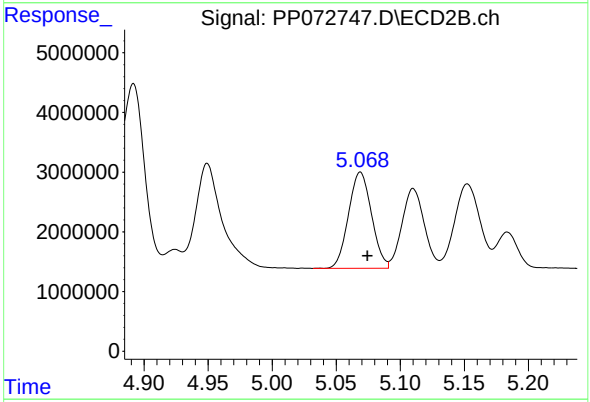
R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 36723173
Conc: 831.20 ng/ml



#13 AR-1232-3

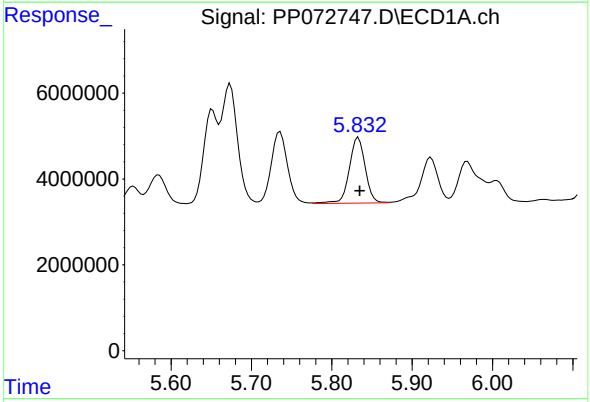
R.T.: 5.674 min
Delta R.T.: -0.002 min
Response: 39206429
Conc: 783.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



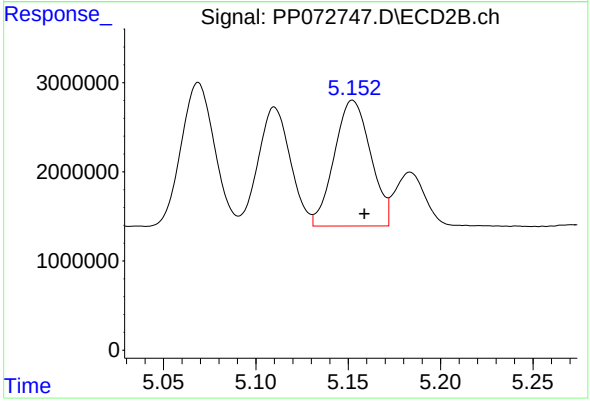
#13 AR-1232-3

R.T.: 5.069 min
Delta R.T.: -0.006 min
Response: 20136509
Conc: 861.16 ng/ml



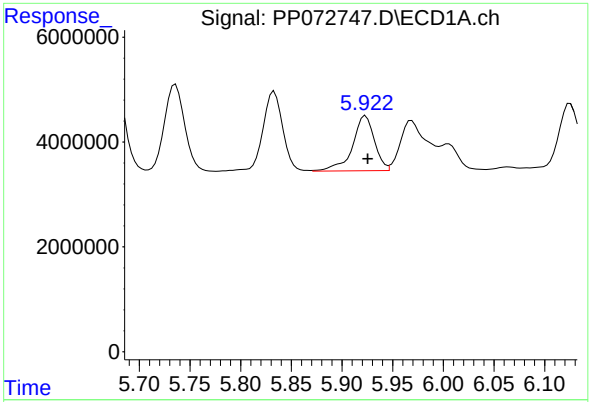
#14 AR-1232-4

R.T.: 5.833 min
Delta R.T.: -0.002 min
Response: 21016386
Conc: 837.34 ng/ml



#14 AR-1232-4

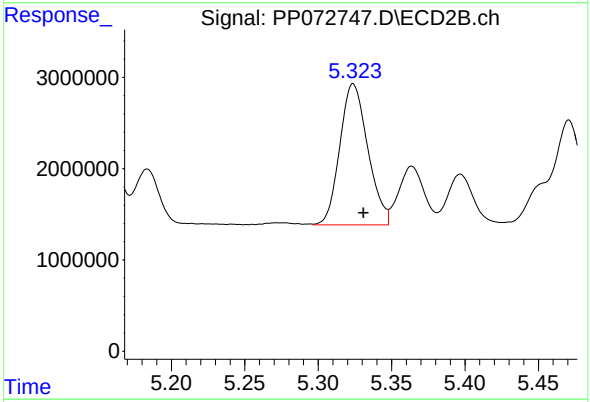
R.T.: 5.152 min
Delta R.T.: -0.006 min
Response: 19314788
Conc: 932.17 ng/ml



#15 AR-1232-5

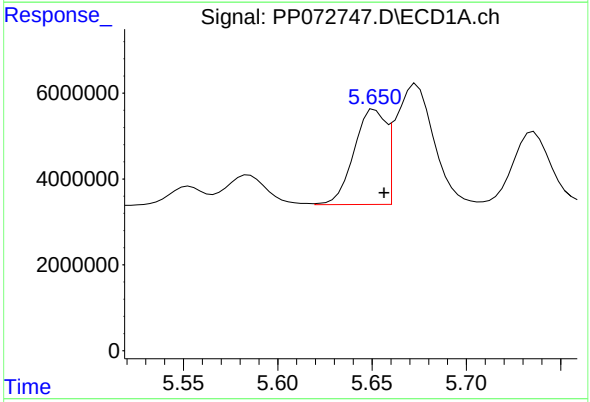
R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 15787653
Conc: 901.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



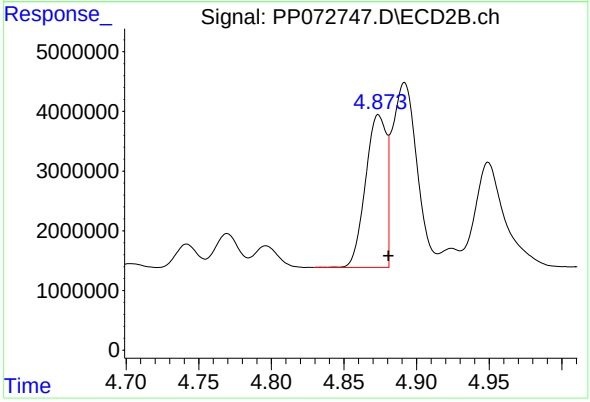
#15 AR-1232-5

R.T.: 5.324 min
Delta R.T.: -0.007 min
Response: 20520325
Conc: 886.24 ng/ml



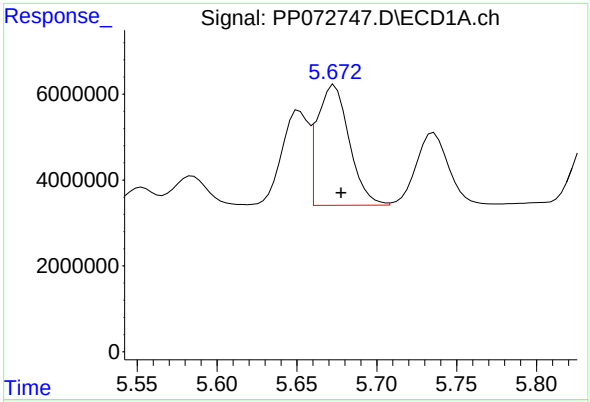
#16 AR-1242-1

R.T.: 5.652 min
Delta R.T.: -0.005 min
Response: 25860704
Conc: 413.13 ng/ml



#16 AR-1242-1

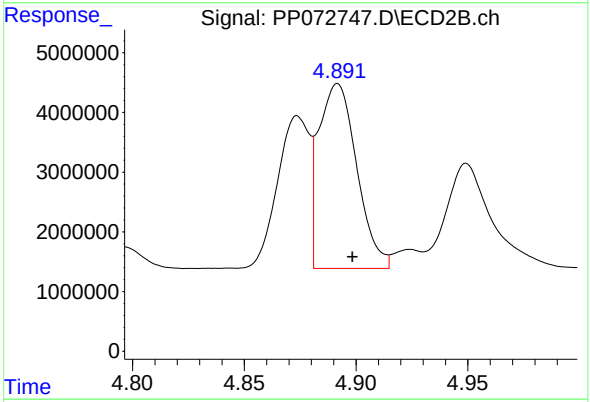
R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 25519658
Conc: 489.74 ng/ml



#17 AR-1242-2

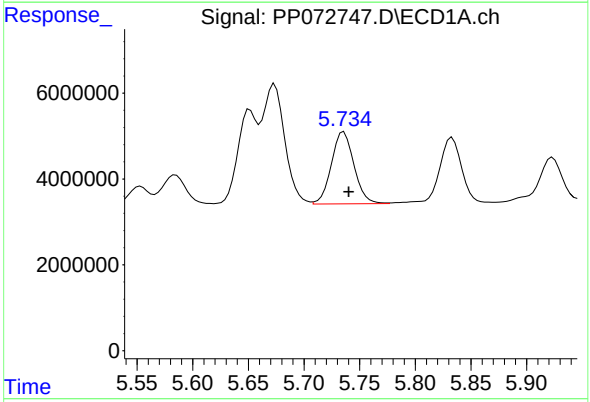
R.T.: 5.674 min
Delta R.T.: -0.004 min
Response: 39206429
Conc: 451.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



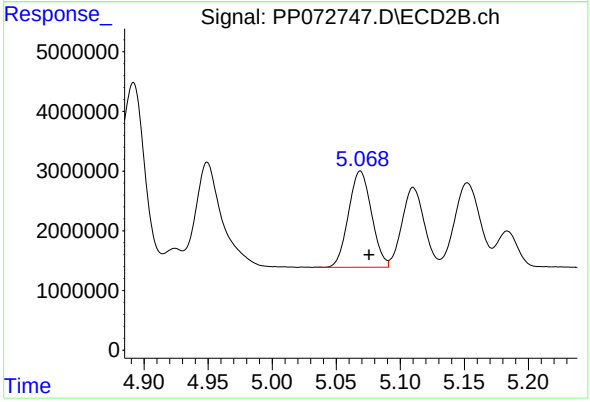
#17 AR-1242-2

R.T.: 4.892 min
Delta R.T.: -0.007 min
Response: 36723173
Conc: 499.66 ng/ml



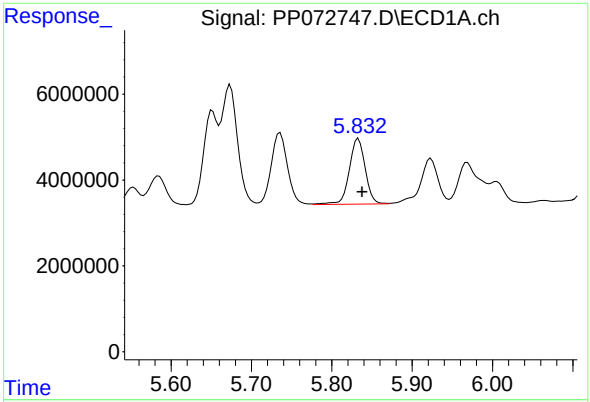
#18 AR-1242-3

R.T.: 5.736 min
Delta R.T.: -0.004 min
Response: 23702315
Conc: 430.44 ng/ml



#18 AR-1242-3

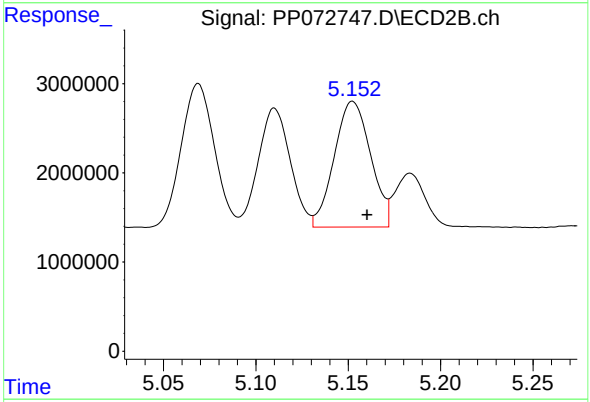
R.T.: 5.069 min
Delta R.T.: -0.007 min
Response: 20136509
Conc: 514.66 ng/ml



#19 AR-1242-4

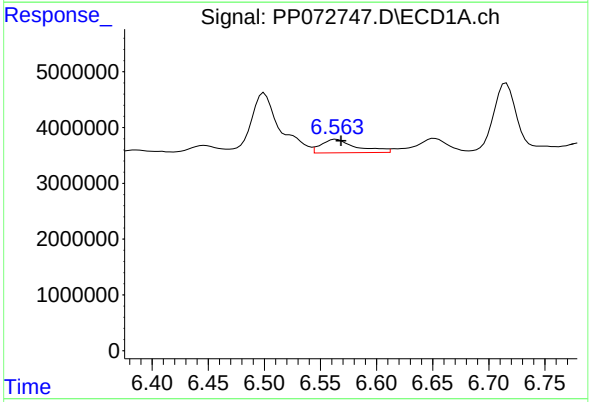
R.T.: 5.833 min
Delta R.T.: -0.004 min
Response: 21016386
Conc: 473.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



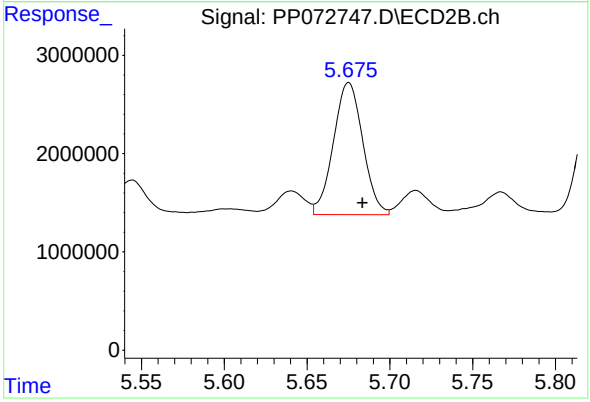
#19 AR-1242-4

R.T.: 5.152 min
Delta R.T.: -0.008 min
Response: 19314788
Conc: 513.93 ng/ml



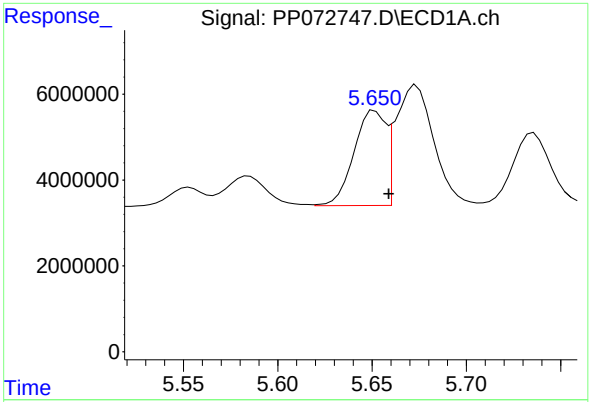
#20 AR-1242-5

R.T.: 6.564 min
Delta R.T.: -0.004 min
Response: 5326478
Conc: 104.47 ng/ml



#20 AR-1242-5

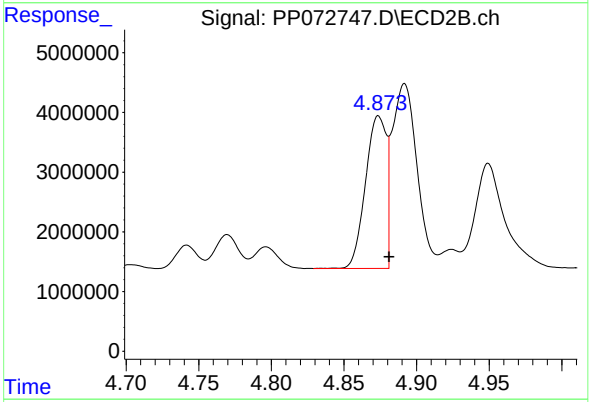
R.T.: 5.675 min
Delta R.T.: -0.008 min
Response: 16616381
Conc: 344.33 ng/ml



#21 AR-1248-1

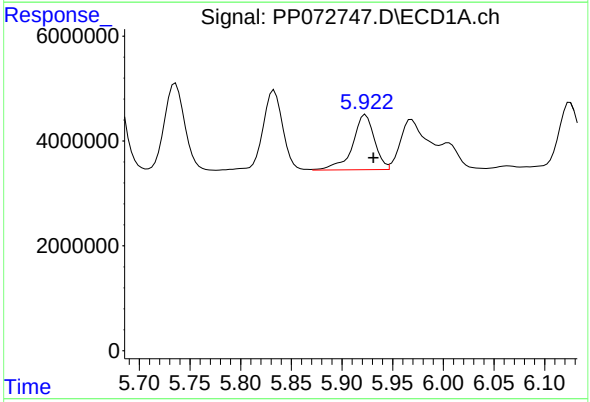
R.T.: 5.652 min
Delta R.T.: -0.007 min
Response: 25860704
Conc: 534.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



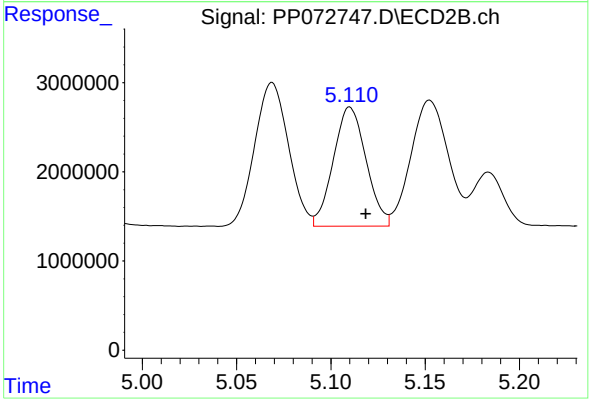
#21 AR-1248-1

R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 25519658
Conc: 589.07 ng/ml



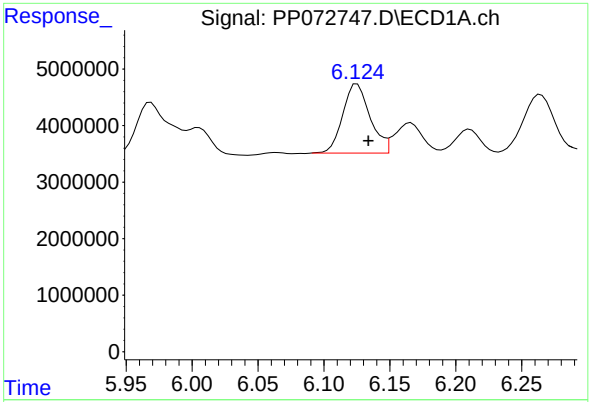
#22 AR-1248-2

R.T.: 5.923 min
Delta R.T.: -0.008 min
Response: 15787653
Conc: 260.35 ng/ml



#22 AR-1248-2

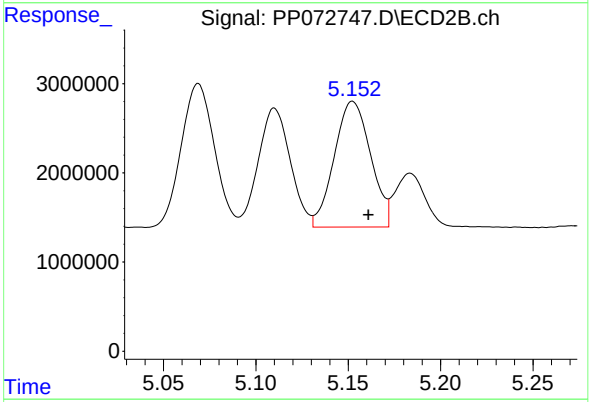
R.T.: 5.110 min
Delta R.T.: -0.008 min
Response: 16127646
Conc: 285.56 ng/ml



#23 AR-1248-3

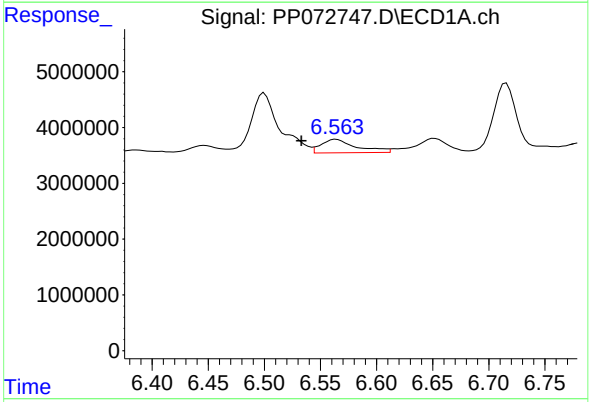
R.T.: 6.125 min
Delta R.T.: -0.008 min
Response: 17627500
Conc: 266.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



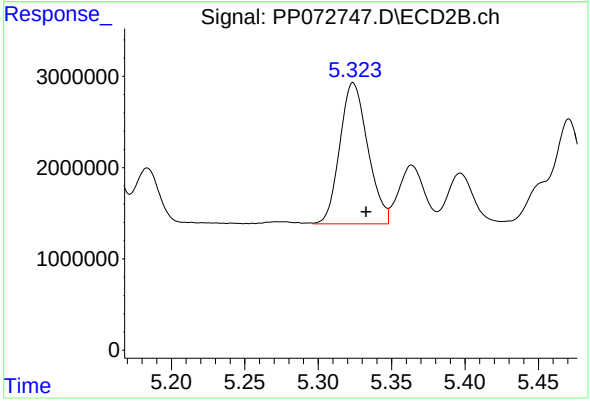
#23 AR-1248-3

R.T.: 5.152 min
Delta R.T.: -0.008 min
Response: 19314788
Conc: 326.78 ng/ml



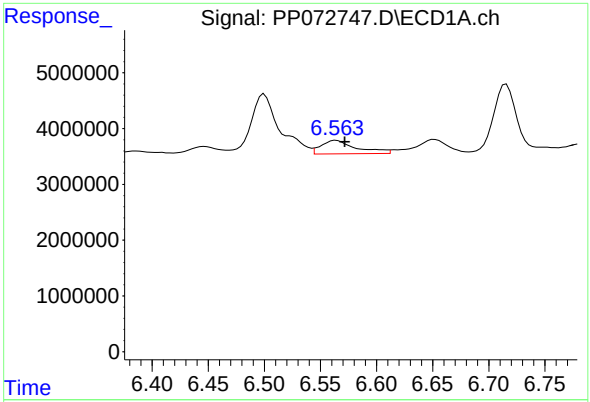
#24 AR-1248-4

R.T.: 6.564 min
Delta R.T.: 0.031 min
Response: 5326478
Conc: 60.95 ng/ml



#24 AR-1248-4

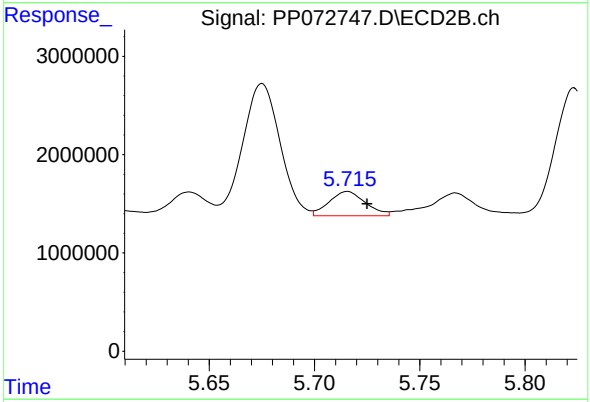
R.T.: 5.324 min
Delta R.T.: -0.009 min
Response: 20520325
Conc: 294.61 ng/ml



#25 AR-1248-5

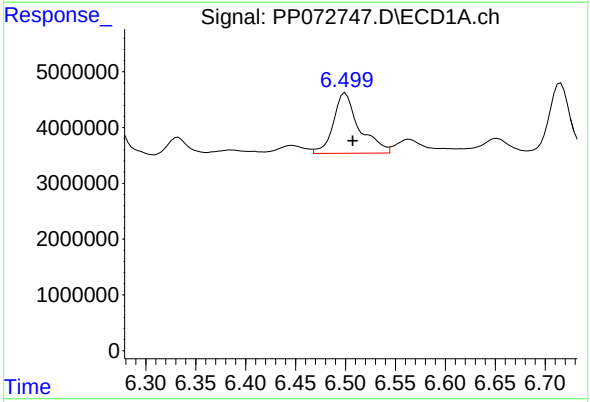
R.T.: 6.564 min
Delta R.T.: -0.008 min
Response: 5326478
Conc: 64.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



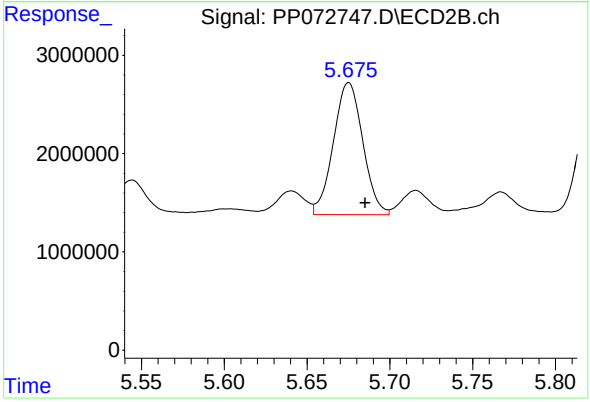
#25 AR-1248-5

R.T.: 5.716 min
Delta R.T.: -0.009 min
Response: 2969375
Conc: 42.58 ng/ml



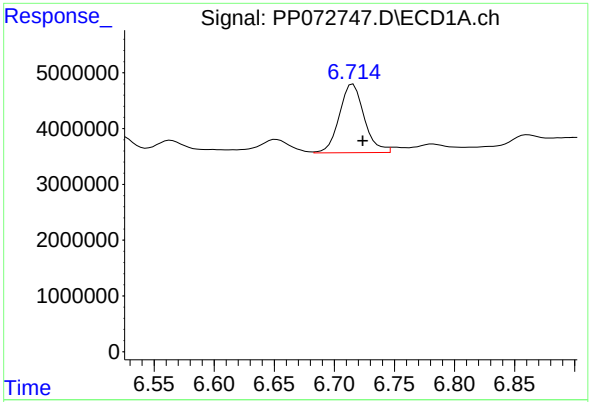
#26 AR-1254-1

R.T.: 6.500 min
Delta R.T.: -0.007 min
Response: 19500094
Conc: 226.74 ng/ml



#26 AR-1254-1

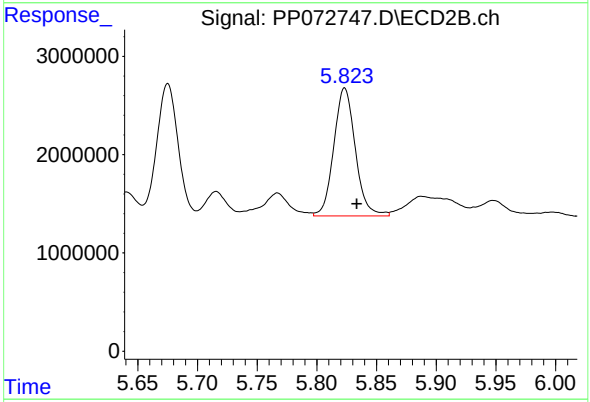
R.T.: 5.675 min
Delta R.T.: -0.010 min
Response: 16616381
Conc: 166.24 ng/ml



#27 AR-1254-2

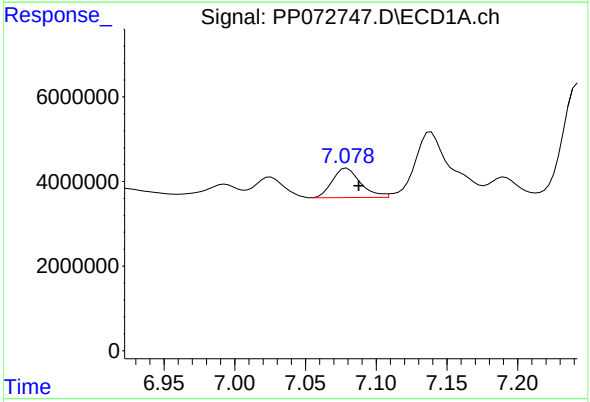
R.T.: 6.716 min
Delta R.T.: -0.008 min
Response: 17722212
Conc: 135.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



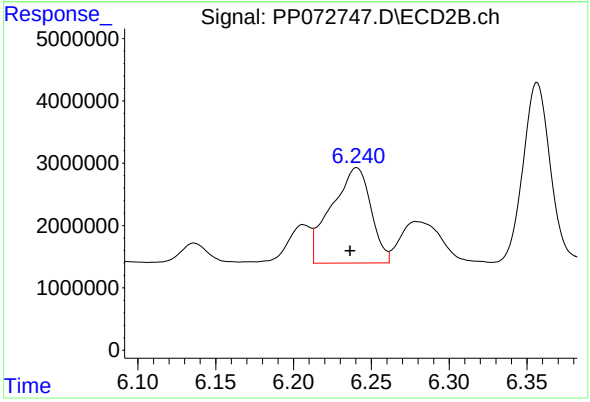
#27 AR-1254-2

R.T.: 5.823 min
Delta R.T.: -0.010 min
Response: 16349906
Conc: 189.44 ng/ml



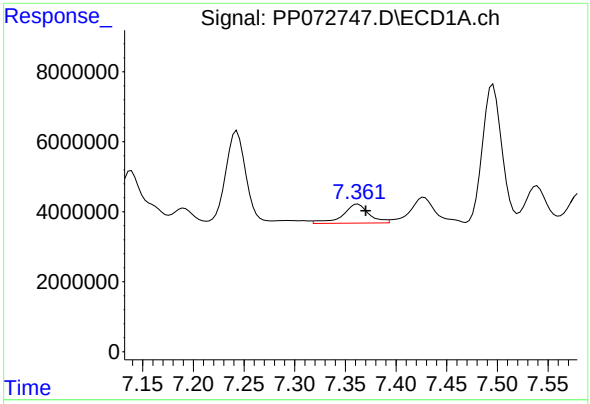
#28 AR-1254-3

R.T.: 7.079 min
Delta R.T.: -0.008 min
Response: 9659590
Conc: 73.18 ng/ml



#28 AR-1254-3

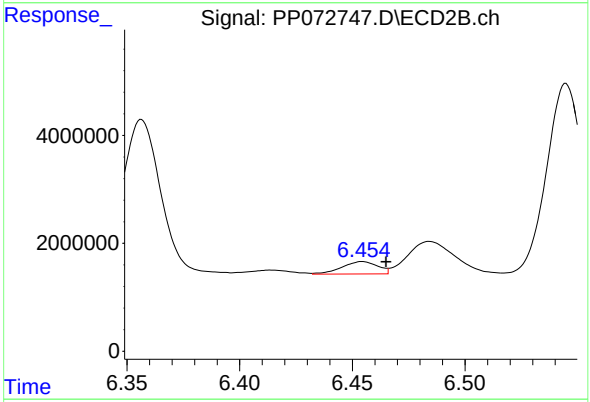
R.T.: 6.241 min
Delta R.T.: 0.004 min
Response: 27007735
Conc: 209.98 ng/ml



#29 AR-1254-4

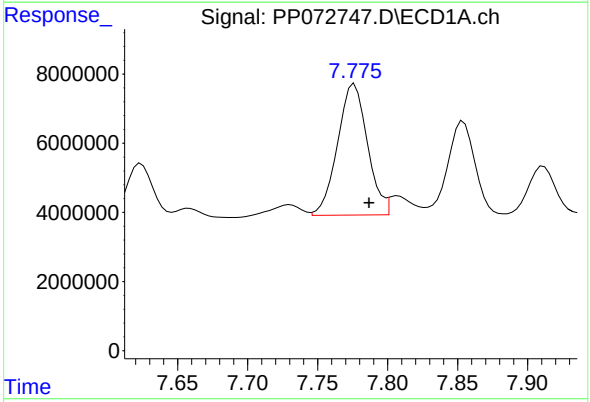
R.T.: 7.362 min
Delta R.T.: -0.008 min
Response: 9795975
Conc: 75.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



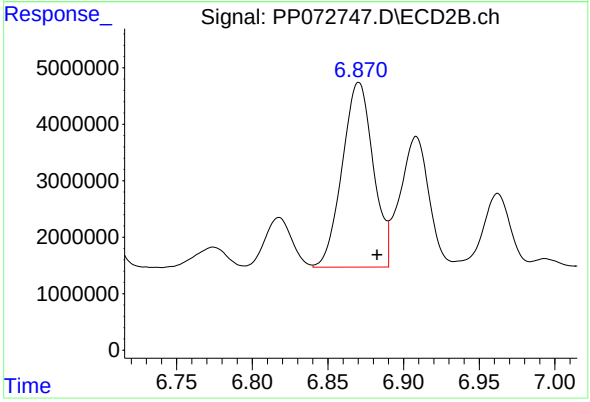
#29 AR-1254-4

R.T.: 6.454 min
Delta R.T.: -0.010 min
Response: 2552589
Conc: 29.93 ng/ml



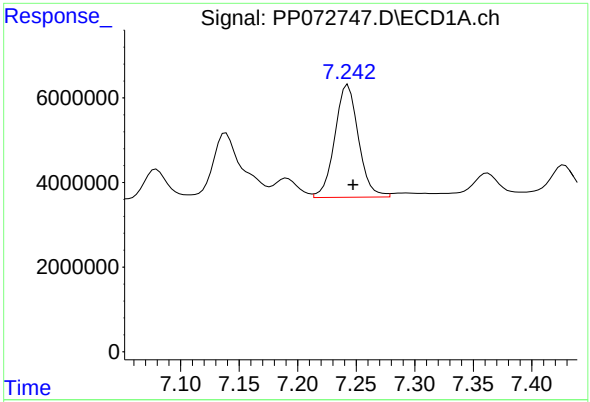
#30 AR-1254-5

R.T.: 7.776 min
Delta R.T.: -0.010 min
Response: 56444493
Conc: 507.38 ng/ml



#30 AR-1254-5

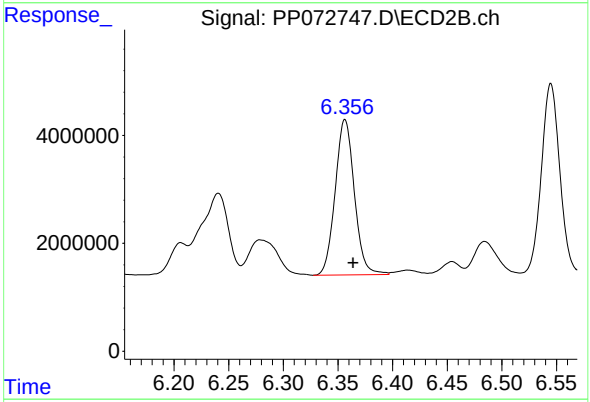
R.T.: 6.870 min
Delta R.T.: -0.012 min
Response: 46734036
Conc: 412.29 ng/ml



#31 AR-1260-1

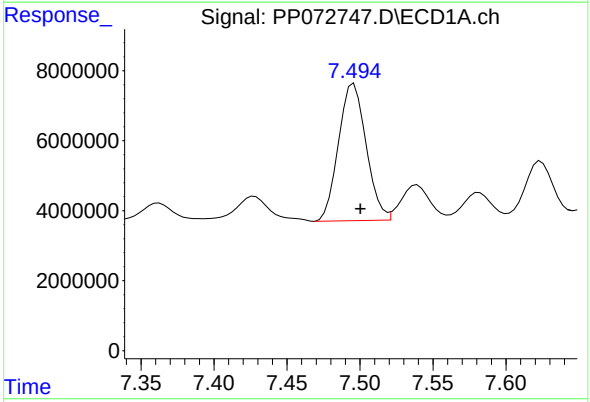
R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 37412778
Conc: 399.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



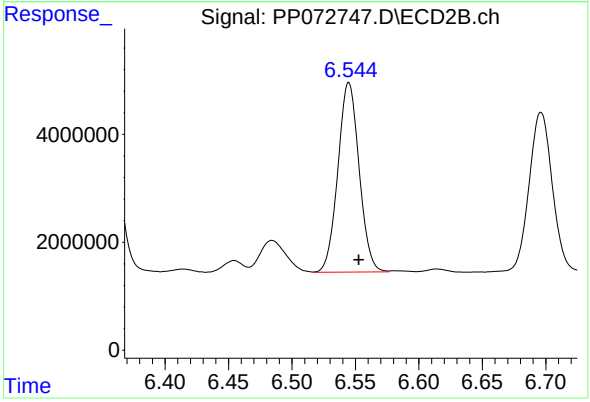
#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.007 min
Response: 35213210
Conc: 441.52 ng/ml



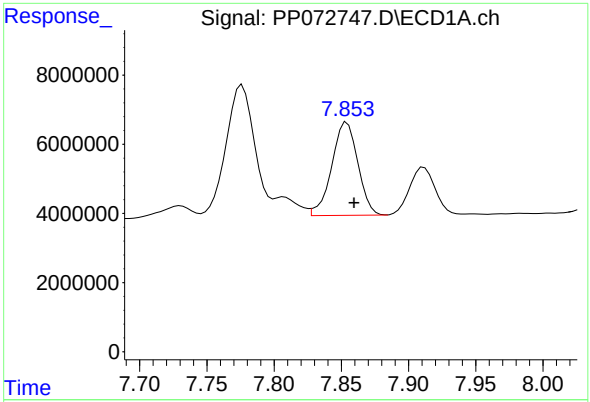
#32 AR-1260-2

R.T.: 7.496 min
Delta R.T.: -0.005 min
Response: 51614072
Conc: 359.71 ng/ml



#32 AR-1260-2

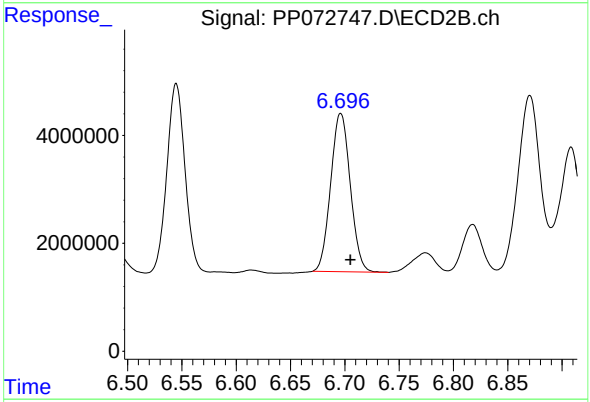
R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 40924269
Conc: 403.50 ng/ml



#33 AR-1260-3

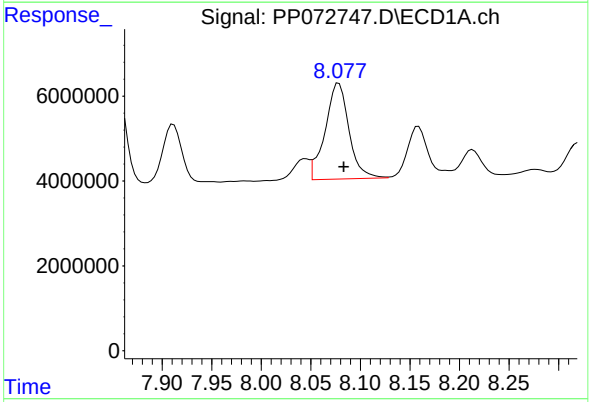
R.T.: 7.854 min
Delta R.T.: -0.005 min
Response: 36313161
Conc: 318.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



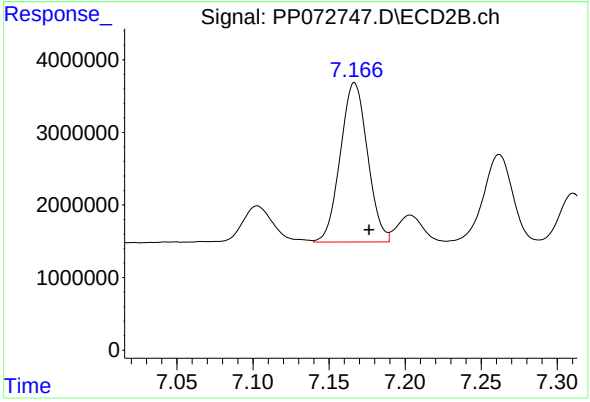
#33 AR-1260-3

R.T.: 6.696 min
Delta R.T.: -0.009 min
Response: 36809495
Conc: 423.57 ng/ml



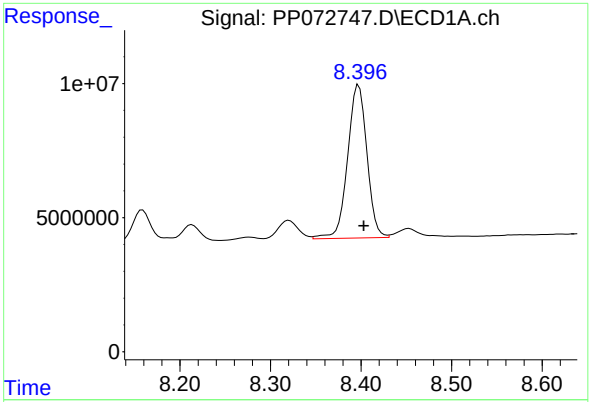
#34 AR-1260-4

R.T.: 8.078 min
Delta R.T.: -0.005 min
Response: 37730871
Conc: 351.63 ng/ml



#34 AR-1260-4

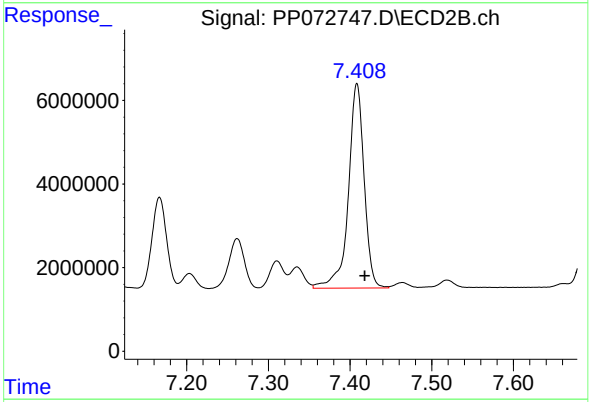
R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 27293710
Conc: 378.60 ng/ml



#35 AR-1260-5

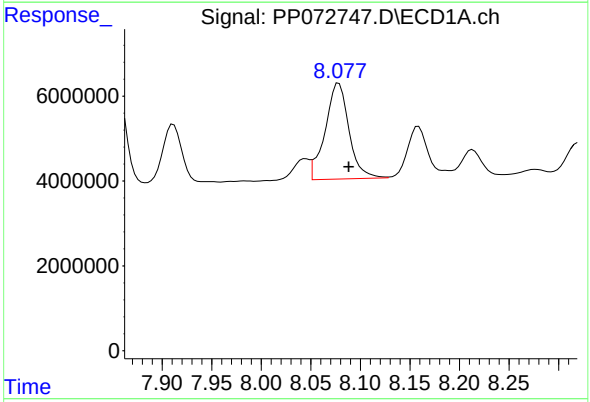
R.T.: 8.397 min
Delta R.T.: -0.005 min
Response: 84777358
Conc: 358.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



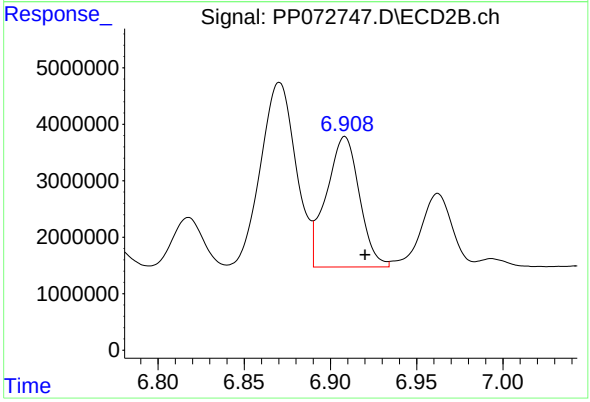
#35 AR-1260-5

R.T.: 7.408 min
Delta R.T.: -0.009 min
Response: 65735007
Conc: 378.61 ng/ml



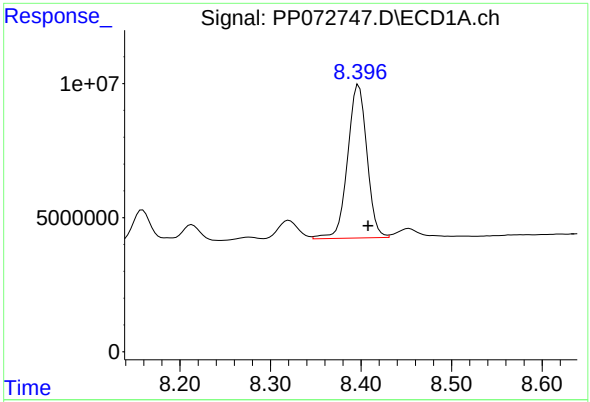
#36 AR-1262-1

R.T.: 8.078 min
Delta R.T.: -0.010 min
Response: 37730871
Conc: 283.17 ng/ml



#36 AR-1262-1

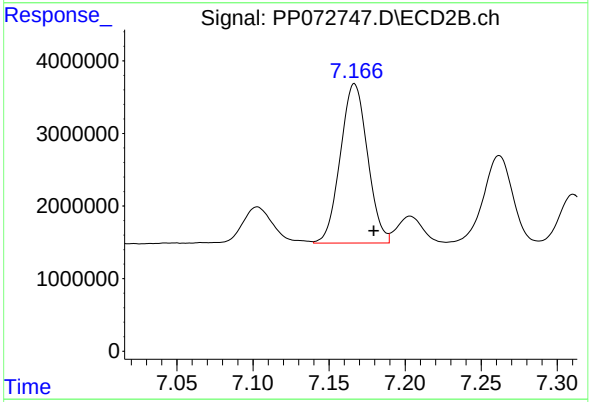
R.T.: 6.908 min
Delta R.T.: -0.012 min
Response: 30844892
Conc: 272.90 ng/ml



#37 AR-1262-2

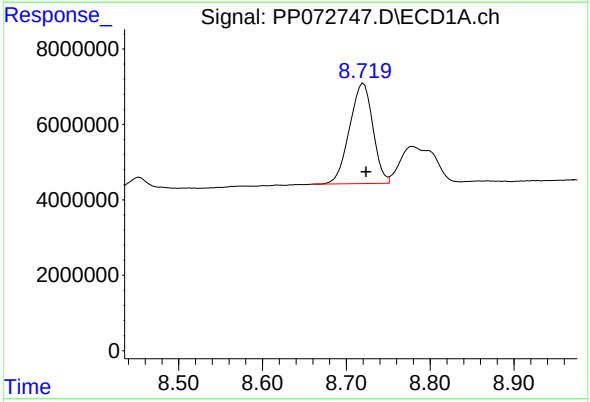
R.T.: 8.397 min
Delta R.T.: -0.010 min
Response: 84777358
Conc: 311.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



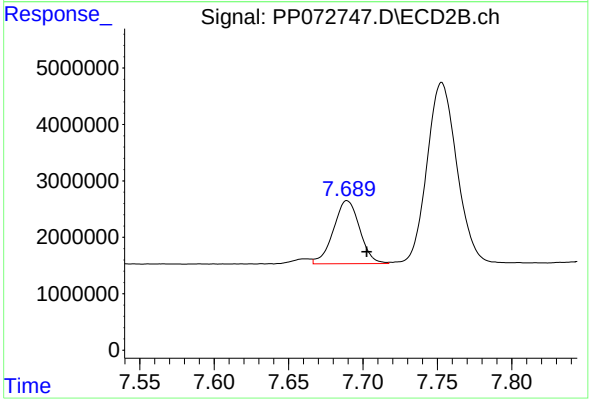
#37 AR-1262-2

R.T.: 7.167 min
Delta R.T.: -0.013 min
Response: 27293710
Conc: 281.01 ng/ml



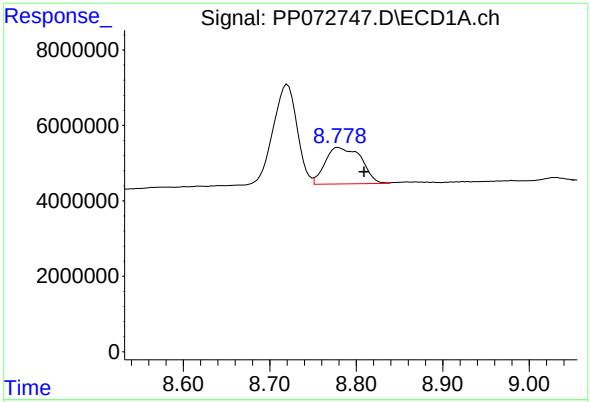
#38 AR-1262-3

R.T.: 8.721 min
Delta R.T.: -0.003 min
Response: 51351123
Conc: 276.78 ng/ml



#38 AR-1262-3

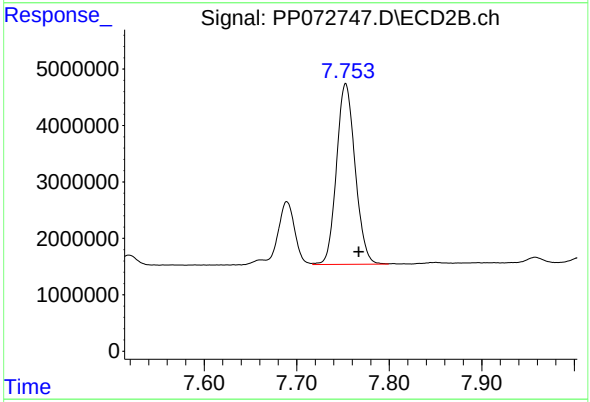
R.T.: 7.689 min
Delta R.T.: -0.013 min
Response: 13725087
Conc: 168.34 ng/ml



#39 AR-1262-4

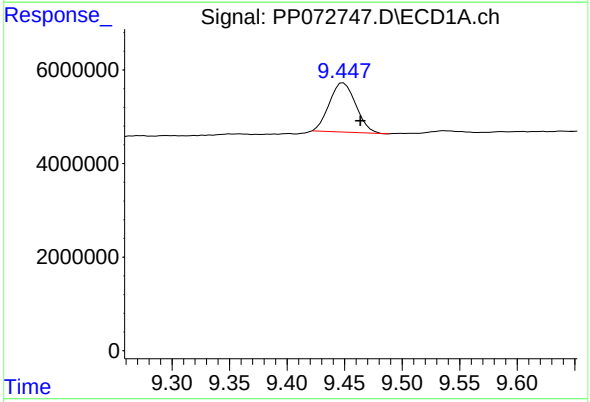
R.T.: 8.779 min
Delta R.T.: -0.030 min
Response: 27888270
Conc: 207.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



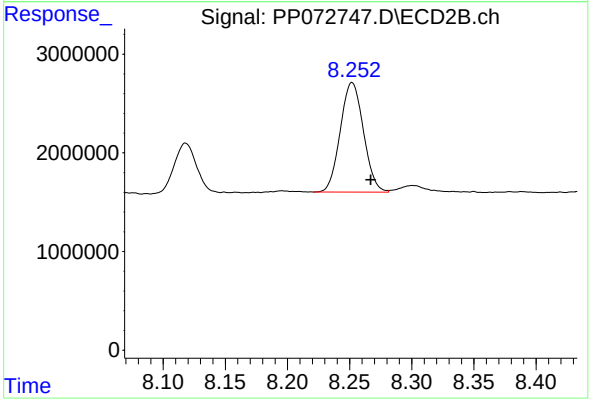
#39 AR-1262-4

R.T.: 7.753 min
Delta R.T.: -0.014 min
Response: 44809913
Conc: 318.65 ng/ml



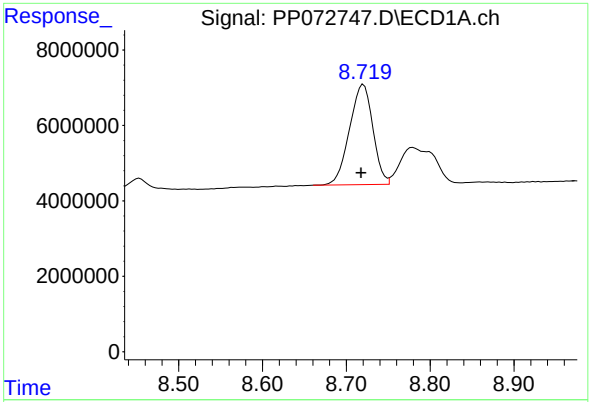
#40 AR-1262-5

R.T.: 9.449 min
Delta R.T.: -0.015 min
Response: 16861013
Conc: 182.36 ng/ml



#40 AR-1262-5

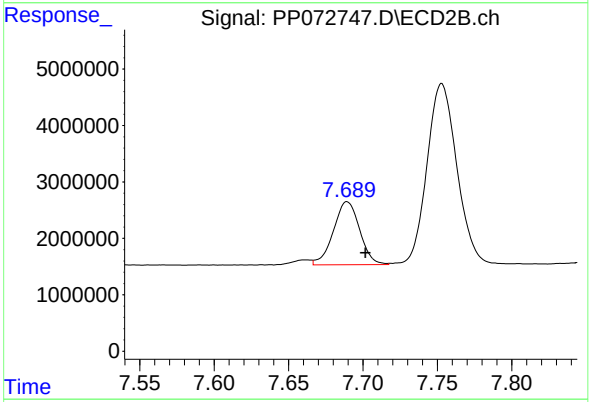
R.T.: 8.252 min
Delta R.T.: -0.015 min
Response: 14428413
Conc: 221.69 ng/ml



#41 AR-1268-1

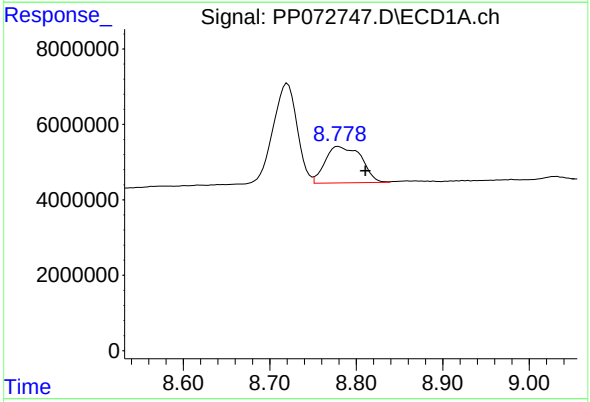
R.T.: 8.721 min
Delta R.T.: 0.003 min
Response: 51351123
Conc: 154.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



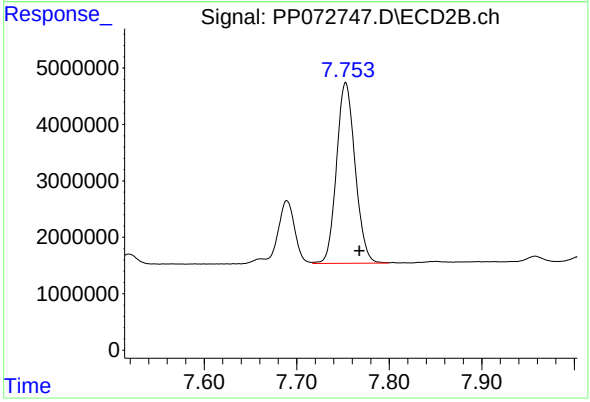
#41 AR-1268-1

R.T.: 7.689 min
Delta R.T.: -0.012 min
Response: 13725087
Conc: 58.60 ng/ml



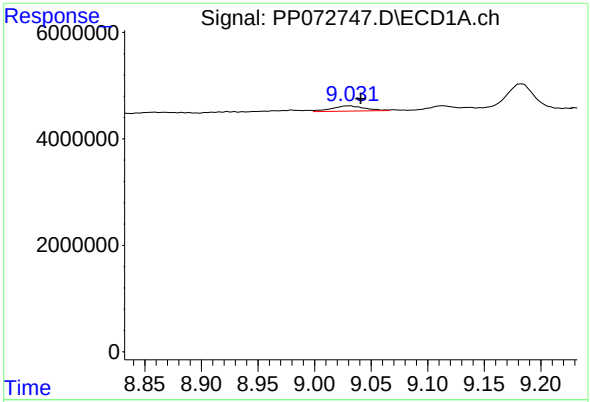
#42 AR-1268-2

R.T.: 8.779 min
Delta R.T.: -0.031 min
Response: 27888270
Conc: 99.61 ng/ml



#42 AR-1268-2

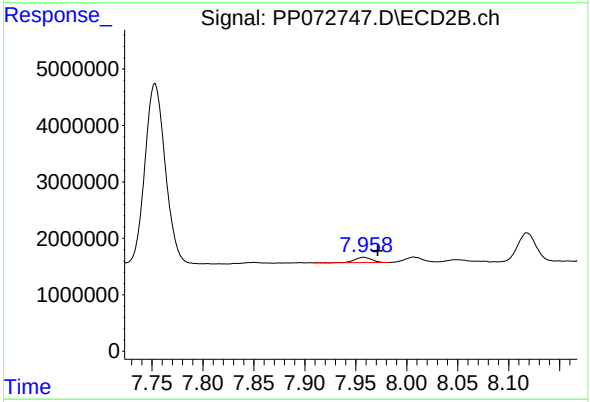
R.T.: 7.753 min
Delta R.T.: -0.015 min
Response: 44809913
Conc: 216.66 ng/ml



#43 AR-1268-3

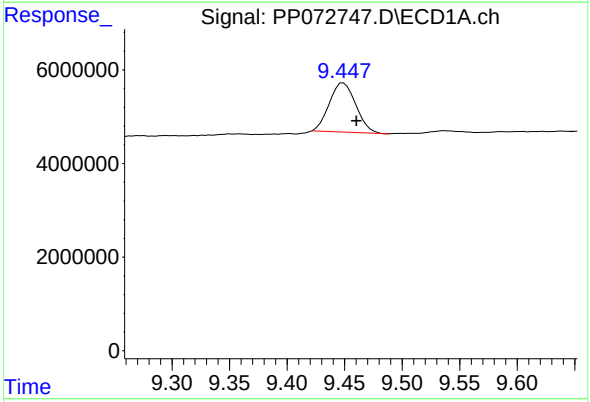
R.T.: 9.032 min
Delta R.T.: -0.009 min
Response: 1999932
Conc: 8.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



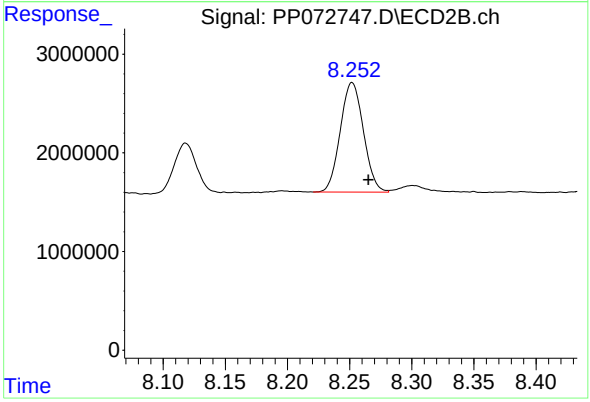
#43 AR-1268-3

R.T.: 7.958 min
Delta R.T.: -0.013 min
Response: 1074117
Conc: 6.34 ng/ml



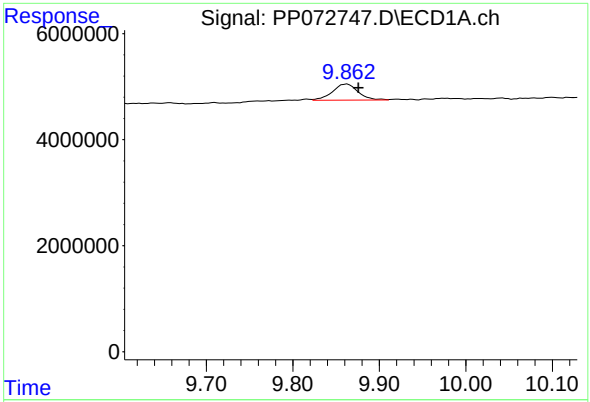
#44 AR-1268-4

R.T.: 9.449 min
Delta R.T.: -0.011 min
Response: 16861013
Conc: 160.66 ng/ml



#44 AR-1268-4

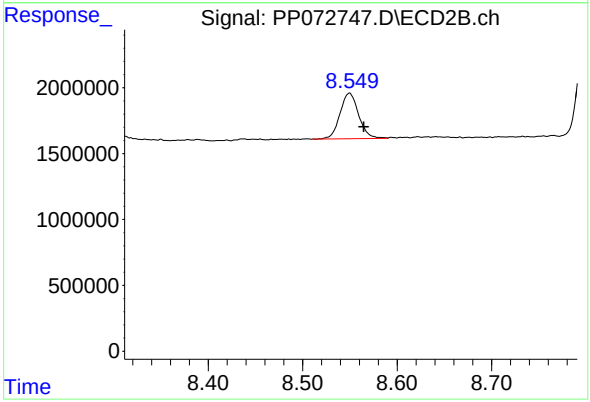
R.T.: 8.252 min
Delta R.T.: -0.013 min
Response: 14428413
Conc: 197.77 ng/ml



#45 AR-1268-5

R.T.: 9.862 min
Delta R.T.: -0.013 min
Response: 6262674
Conc: 9.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
BU-03-060525MSD



#45 AR-1268-5

R.T.: 8.550 min
Delta R.T.: -0.015 min
Response: 4753835
Conc: 10.40 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 15:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.500	3.793	104.7E6	87436660	52.047	54.704	
2)	SA Decachlor...	10.200	8.808	82137361	57633058	50.418	54.443	
	Target Compounds							
3)	L1 AR-1016-1	5.652	4.874	33959823	32630862	452.293	531.192	
4)	L1 AR-1016-2	5.674	4.892	53369225	47775279	498.817	544.204	
5)	L1 AR-1016-3	5.736	5.069	32357810	26094133	493.523	547.569	
6)	L1 AR-1016-4	5.833	5.110	27194408	21010253	510.501	552.243	
7)	L1 AR-1016-5	6.126	5.324	24537840	27148187	501.702	544.877	
8)	L2 AR-1221-1	4.700	4.001	3659681	4302256	139.992	160.471	
9)	L2 AR-1221-2	4.788	4.090	5830775	5824869	285.832	283.657	
10)	L2 AR-1221-3	4.863	4.164	20703636	19352597	342.212	328.636	
11)	L3 AR-1232-1	4.863	4.164	20703636	19352597	439.489	446.483	
12)	L3 AR-1232-2	5.387	4.892	25880577	47775279	1111.557	1081.361	
13)	L3 AR-1232-3	5.674	5.069	53369225	26094133	1066.039	1115.940	
14)	L3 AR-1232-4	5.833	5.153	27194408	24840803	1083.484	1198.871	
15)	L3 AR-1232-5	5.923	5.324	21229146	27148187	1211.741	1172.484	
16)	L4 AR-1242-1	5.652	4.874	33959823	32630862	542.512	626.211	
17)	L4 AR-1242-2	5.674	4.892	53369225	47775279	614.996	650.037	
18)	L4 AR-1242-3	5.736	5.069	32357810	26094133	587.620	666.934	
19)	L4 AR-1242-4	5.833	5.153	27194408	24840803	613.191	660.962	
20)	L4 AR-1242-5	6.564	5.676	8013737	26588055	157.179	550.960	#
21)	L5 AR-1248-1	5.652	4.874	33959823	32630862	701.715	753.224	
22)	L5 AR-1248-2	5.923	5.110	21229146	21010253	350.084	372.012	
23)	L5 AR-1248-3	6.126	5.153	24537840	24840803	370.774	420.268	
24)	L5 AR-1248-4	6.524	5.324	8695658	27148187	99.502	389.764	#
25)	L5 AR-1248-5	6.564	5.716	8013737	7197826	96.521	103.210	
26)	L6 AR-1254-1	6.500	5.676	22864268	26588055	265.854	266.002	
27)	L6 AR-1254-2	6.716	5.824	20603604	18853279	157.668	218.445	#
28)	L6 AR-1254-3	7.080	6.241	11686576	34525621	88.533	268.430	#
29)	L6 AR-1254-4	7.362	6.455	9262820	5485869	70.974	64.315	
30)	L6 AR-1254-5	7.776	6.871	69388520	55633672	623.736	490.806	
31)	L7 AR-1260-1	7.243	6.356	44873889	43623780	479.449	546.981	
32)	L7 AR-1260-2	7.497	6.546	67486977	52134078	470.326	514.030	
33)	L7 AR-1260-3	7.855	6.697	56367141	46768384	495.010	538.172	
34)	L7 AR-1260-4	8.079	7.167	51975133	39051930	484.379	541.704	
35)	L7 AR-1260-5	8.397	7.410	119.5E6	95218540	505.094	548.418	
36)	L8 AR-1262-1	8.079	6.909	51975133	45718048	390.072	404.483	
37)	L8 AR-1262-2	8.397	7.167	119.5E6	39051930	438.851	402.071	
38)	L8 AR-1262-3	8.719	7.690	75028619	23305903	404.402	285.853	#
39)	L8 AR-1262-4	8.784	7.754	47798333	66555574	355.958	473.287	#
40)	L8 AR-1262-5	9.449	8.254	30867158	24977907	333.841	383.781	
41)	L9 AR-1268-1	8.719	7.690	75028619	23305903	225.209	99.505	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 15:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.784	7.754	47798333	66555574	170.716	321.805 #
43) L9	AR-1268-3	9.032	7.959	2533077	1279893	10.490	7.557 #
44) L9	AR-1268-4	9.449	8.254	30867158	24977907	294.118	342.365
45) L9	AR-1268-5	9.864	8.550	8526200	6797722	12.594	14.876

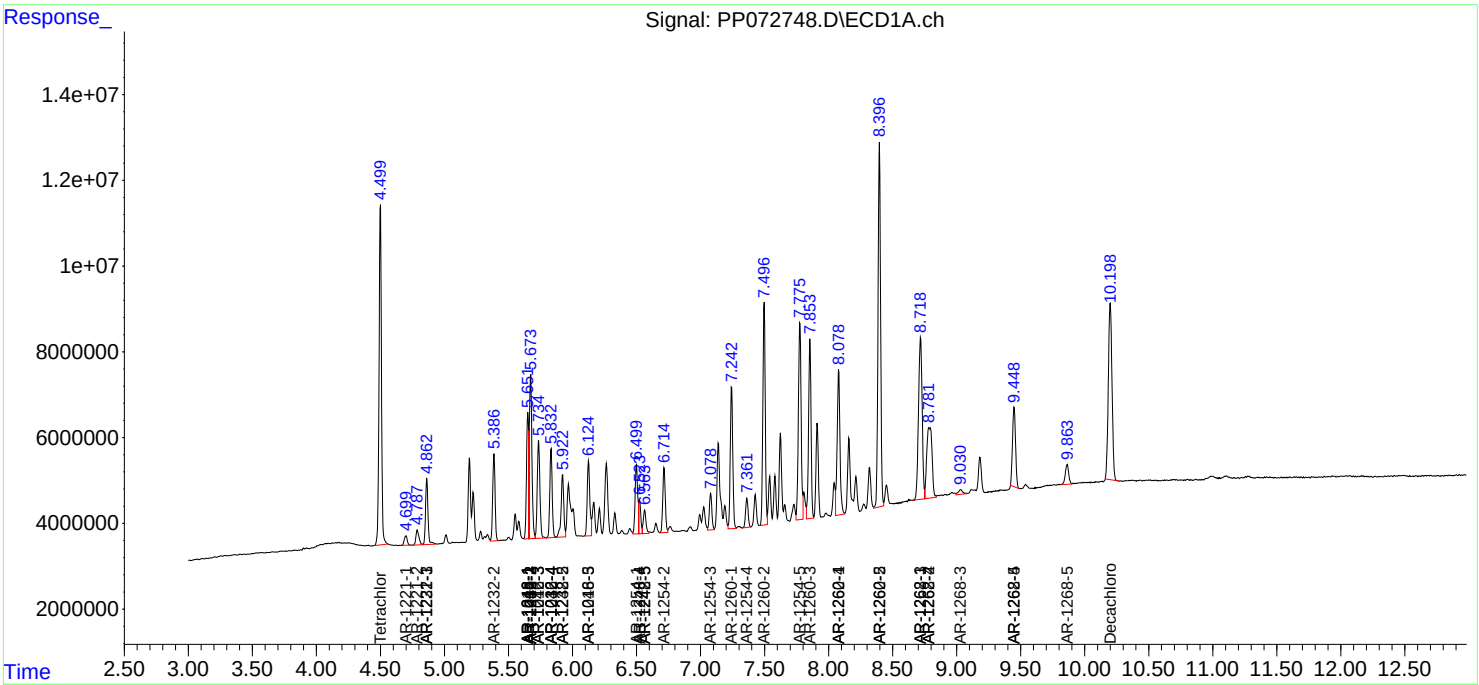
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

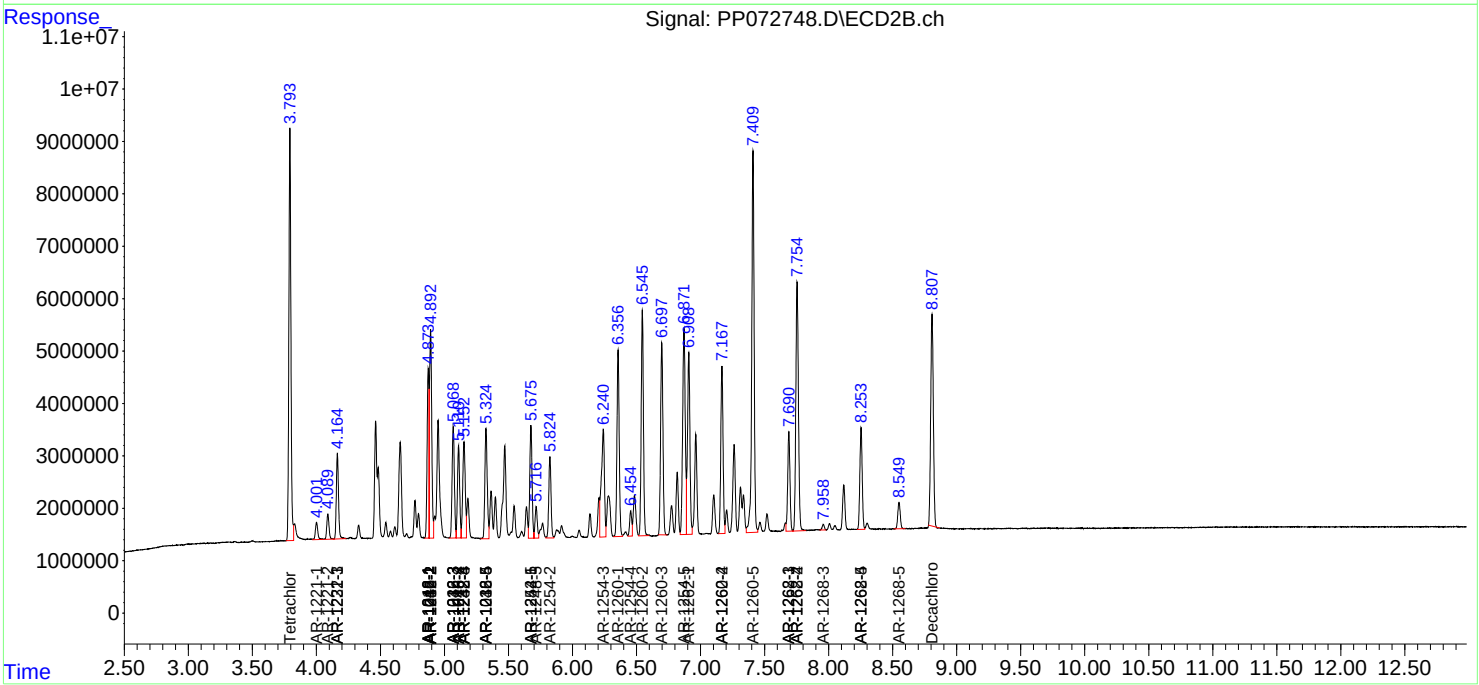
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 15:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

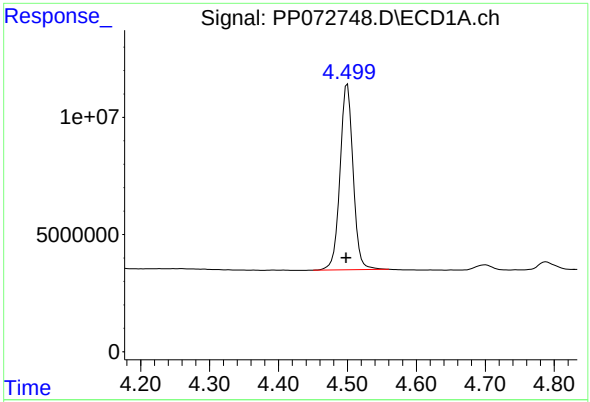
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



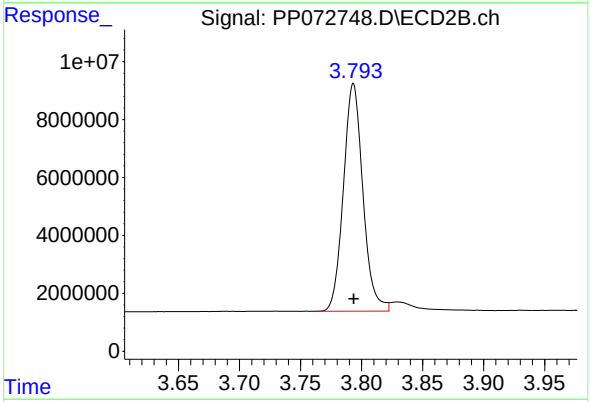




#1 Tetrachloro-m-xylene

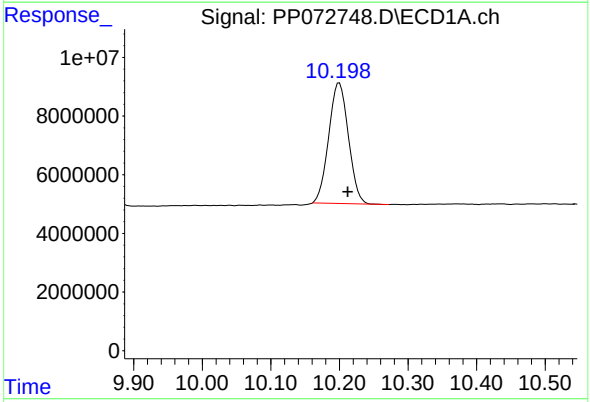
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 104655540
Conc: 52.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



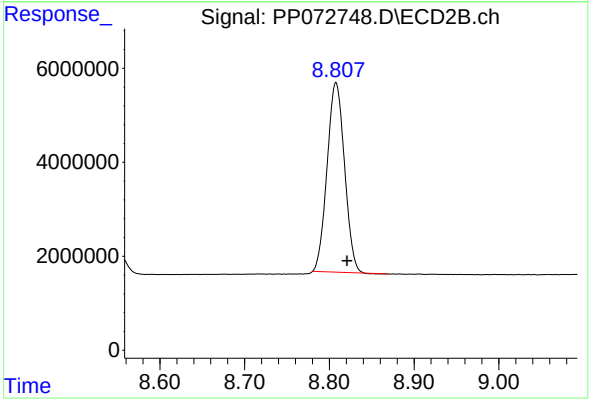
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 87436660
Conc: 54.70 ng/ml



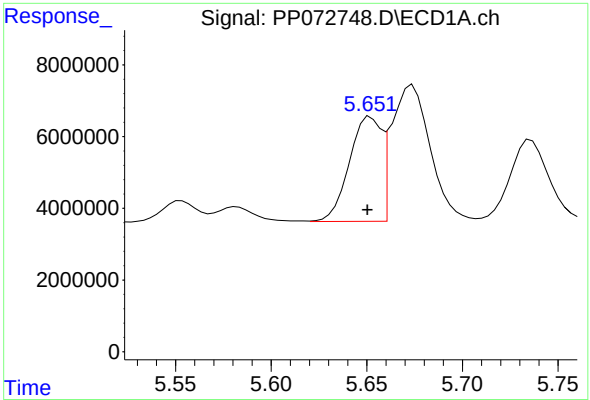
#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 82137361
Conc: 50.42 ng/ml



#2 Decachlorobiphenyl

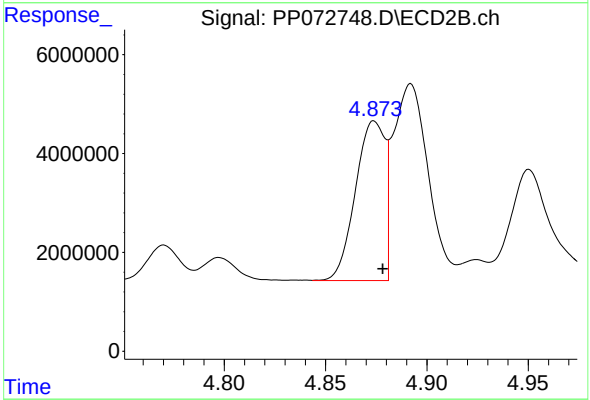
R.T.: 8.808 min
Delta R.T.: -0.013 min
Response: 57633058
Conc: 54.44 ng/ml



#3 AR-1016-1

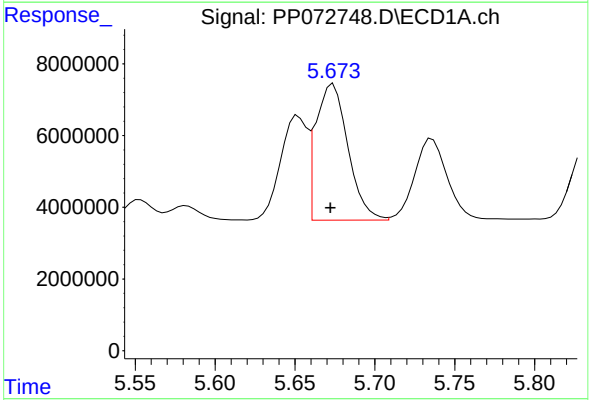
R.T.: 5.652 min
Delta R.T.: 0.002 min
Response: 33959823
Conc: 452.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



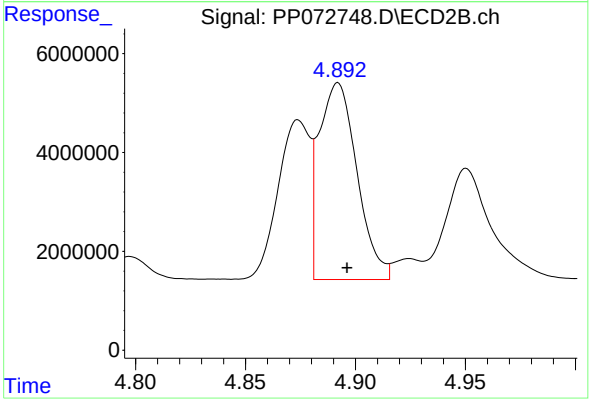
#3 AR-1016-1

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 32630862
Conc: 531.19 ng/ml



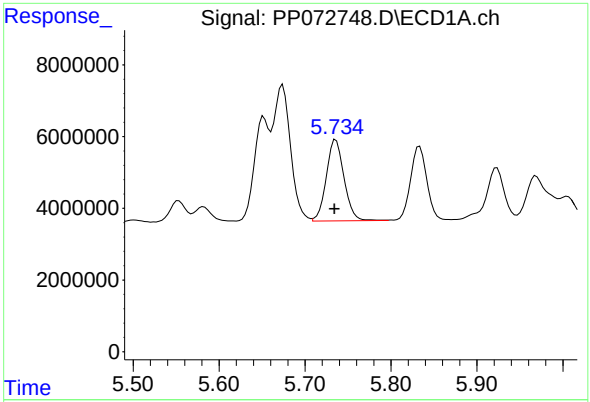
#4 AR-1016-2

R.T.: 5.674 min
Delta R.T.: 0.002 min
Response: 53369225
Conc: 498.82 ng/ml



#4 AR-1016-2

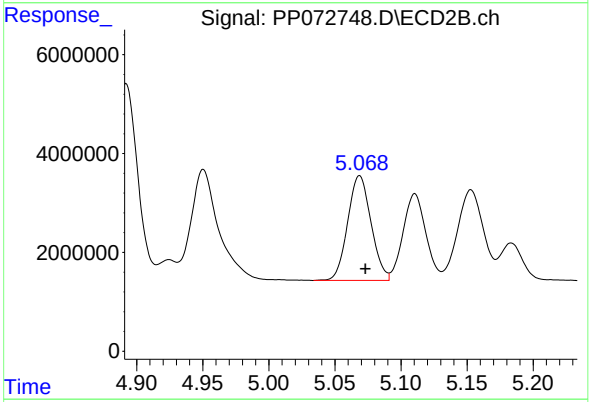
R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 47775279
Conc: 544.20 ng/ml



#5 AR-1016-3

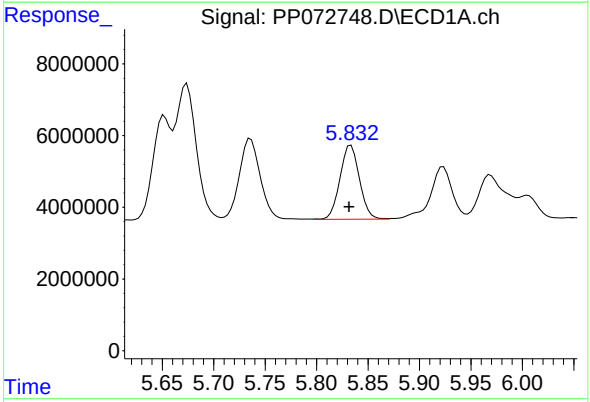
R.T.: 5.736 min
Delta R.T.: 0.002 min
Response: 32357810
Conc: 493.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



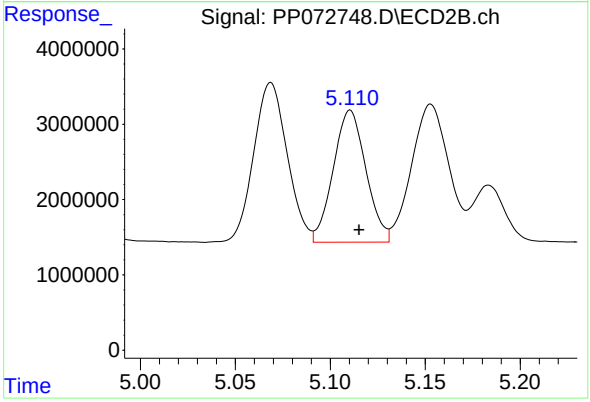
#5 AR-1016-3

R.T.: 5.069 min
Delta R.T.: -0.004 min
Response: 26094133
Conc: 547.57 ng/ml



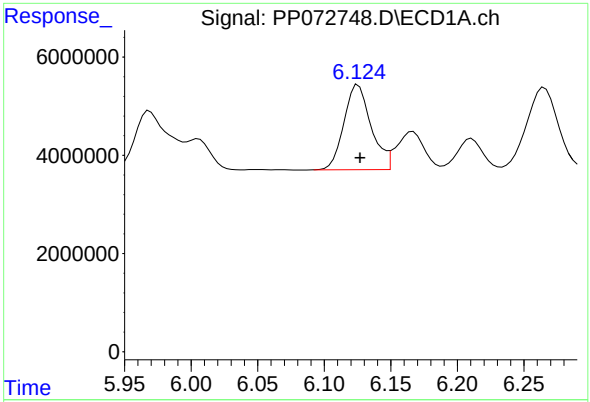
#6 AR-1016-4

R.T.: 5.833 min
Delta R.T.: 0.002 min
Response: 27194408
Conc: 510.50 ng/ml



#6 AR-1016-4

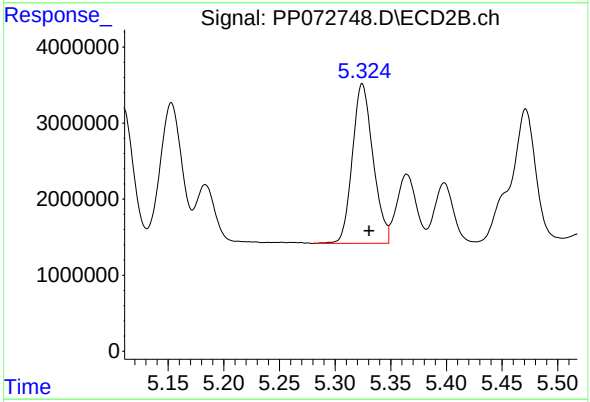
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 21010253
Conc: 552.24 ng/ml



#7 AR-1016-5

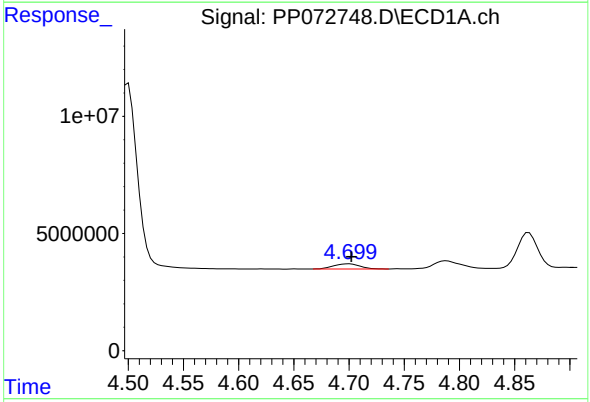
R.T.: 6.126 min
Delta R.T.: -0.001 min
Response: 24537840
Conc: 501.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



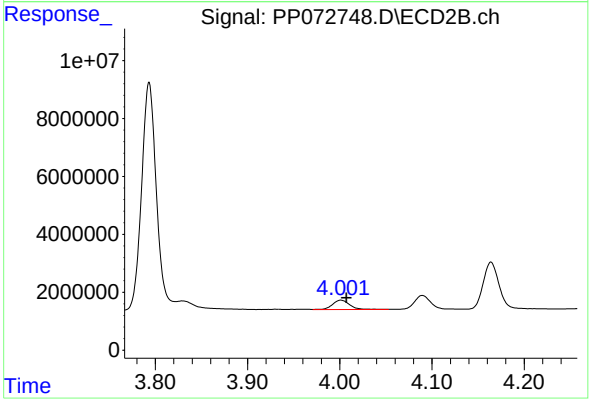
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 27148187
Conc: 544.88 ng/ml



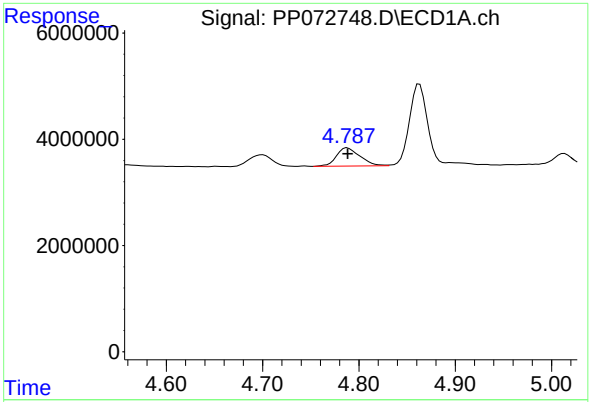
#8 AR-1221-1

R.T.: 4.700 min
Delta R.T.: -0.002 min
Response: 3659681
Conc: 139.99 ng/ml



#8 AR-1221-1

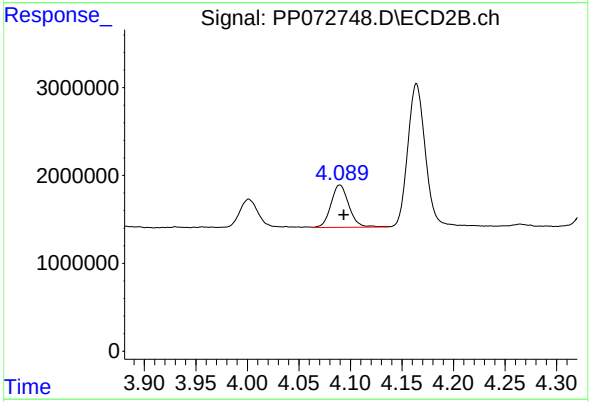
R.T.: 4.001 min
Delta R.T.: -0.006 min
Response: 4302256
Conc: 160.47 ng/ml



#9 AR-1221-2

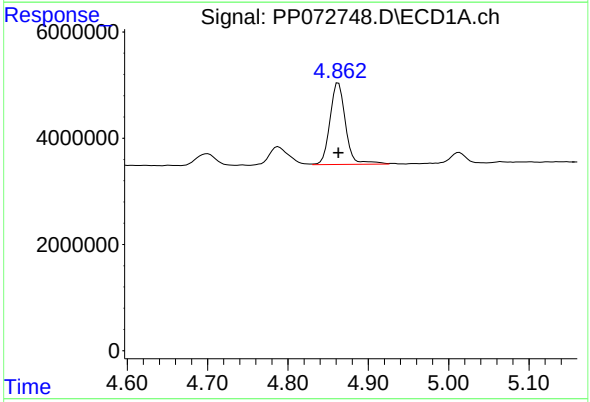
R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 5830775
Conc: 285.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



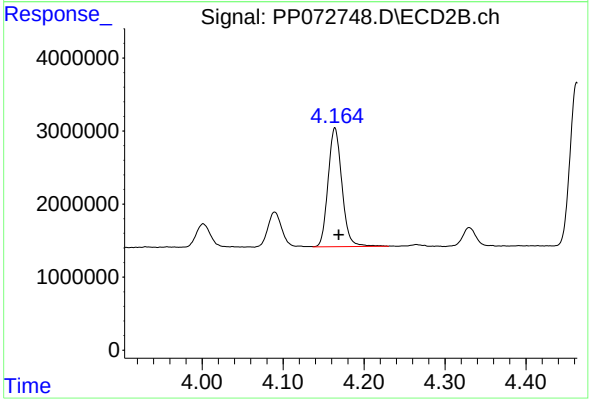
#9 AR-1221-2

R.T.: 4.090 min
Delta R.T.: -0.004 min
Response: 5824869
Conc: 283.66 ng/ml



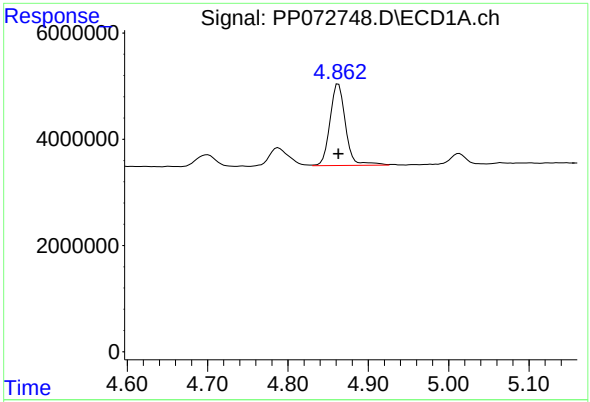
#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 20703636
Conc: 342.21 ng/ml



#10 AR-1221-3

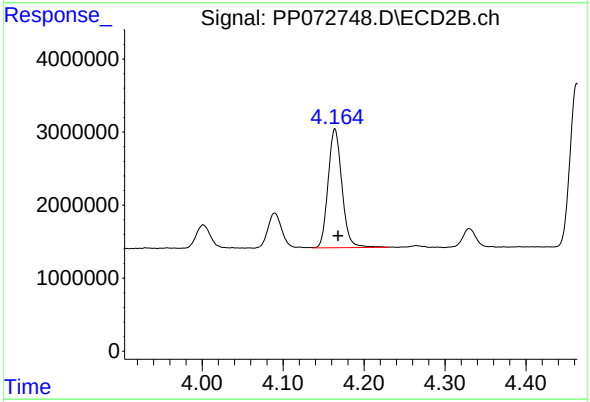
R.T.: 4.164 min
Delta R.T.: -0.005 min
Response: 19352597
Conc: 328.64 ng/ml



#11 AR-1232-1

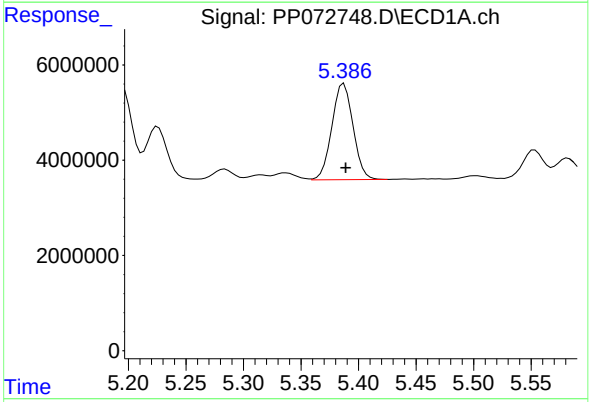
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 20703636
Conc: 439.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



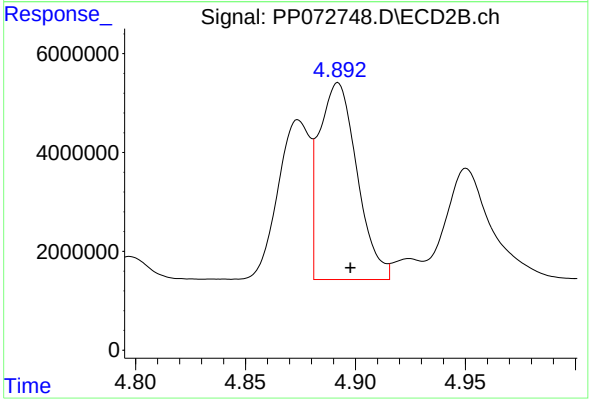
#11 AR-1232-1

R.T.: 4.164 min
Delta R.T.: -0.004 min
Response: 19352597
Conc: 446.48 ng/ml



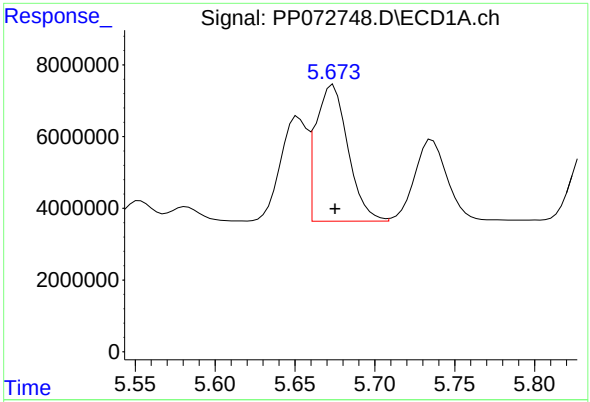
#12 AR-1232-2

R.T.: 5.387 min
Delta R.T.: -0.002 min
Response: 25880577
Conc: 1111.56 ng/ml



#12 AR-1232-2

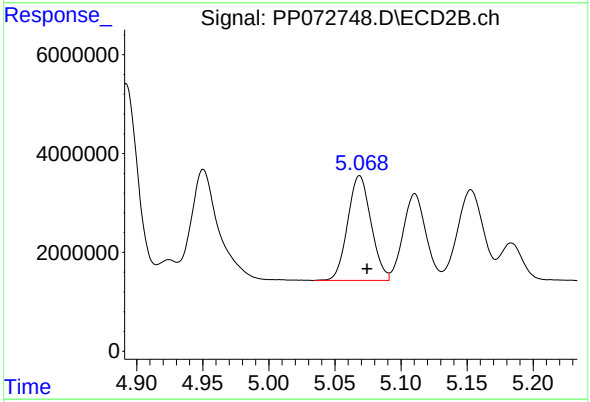
R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 47775279
Conc: 1081.36 ng/ml



#13 AR-1232-3

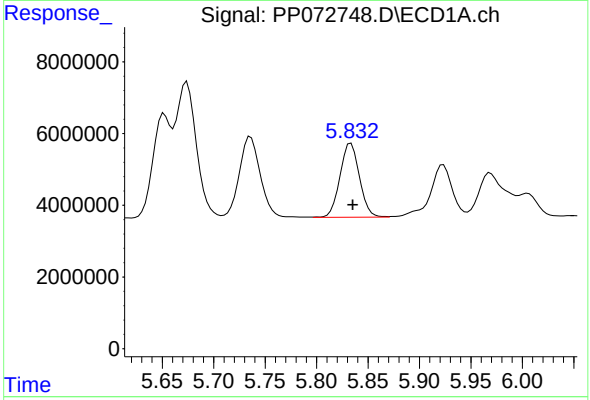
R.T.: 5.674 min
Delta R.T.: -0.001 min
Response: 53369225
Conc: 1066.04 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



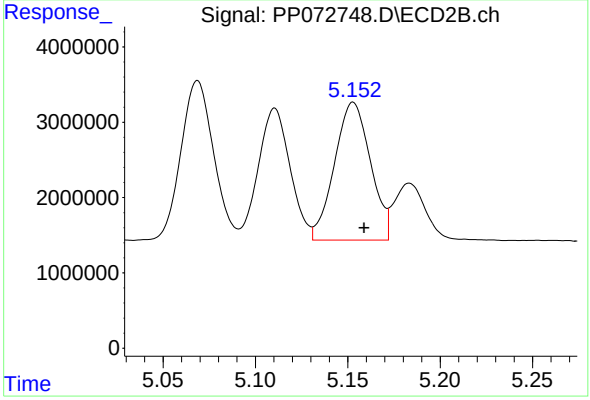
#13 AR-1232-3

R.T.: 5.069 min
Delta R.T.: -0.006 min
Response: 26094133
Conc: 1115.94 ng/ml



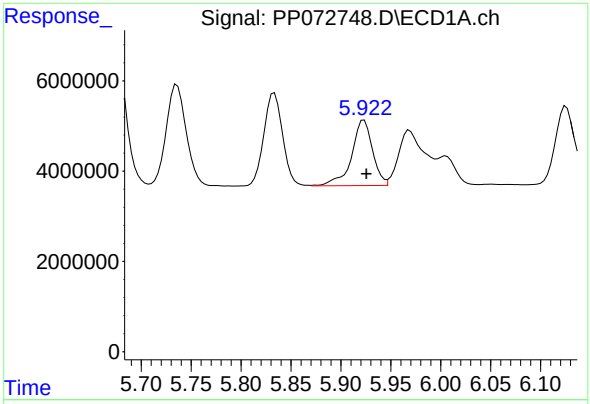
#14 AR-1232-4

R.T.: 5.833 min
Delta R.T.: -0.002 min
Response: 27194408
Conc: 1083.48 ng/ml



#14 AR-1232-4

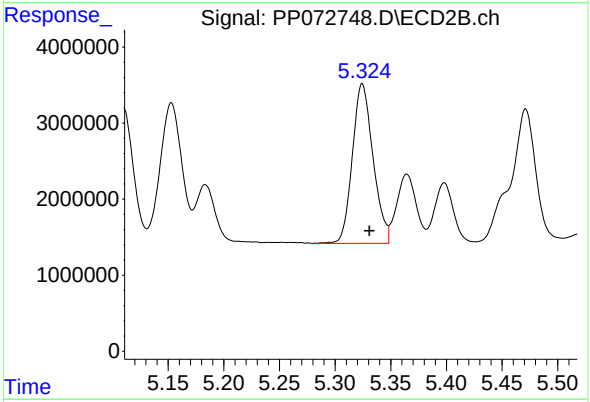
R.T.: 5.153 min
Delta R.T.: -0.006 min
Response: 24840803
Conc: 1198.87 ng/ml



#15 AR-1232-5

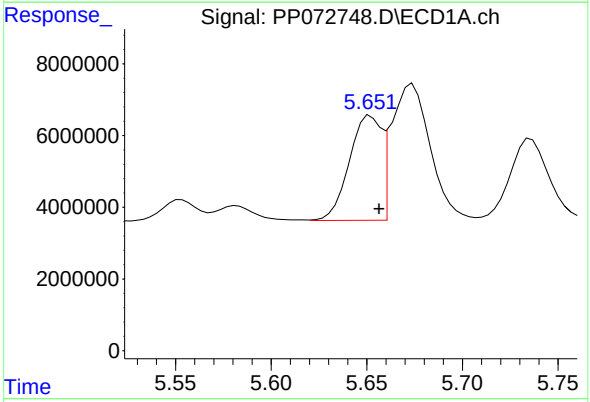
R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 21229146
Conc: 1211.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



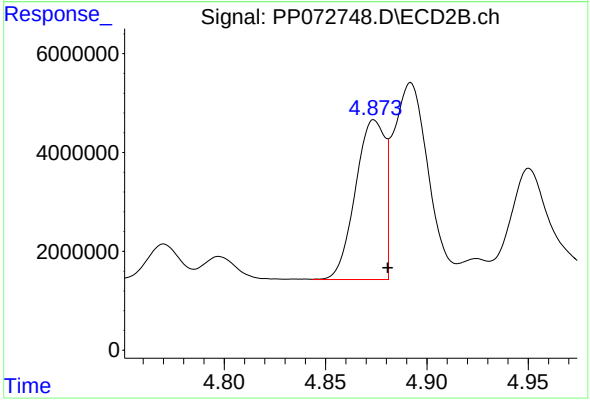
#15 AR-1232-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 27148187
Conc: 1172.48 ng/ml



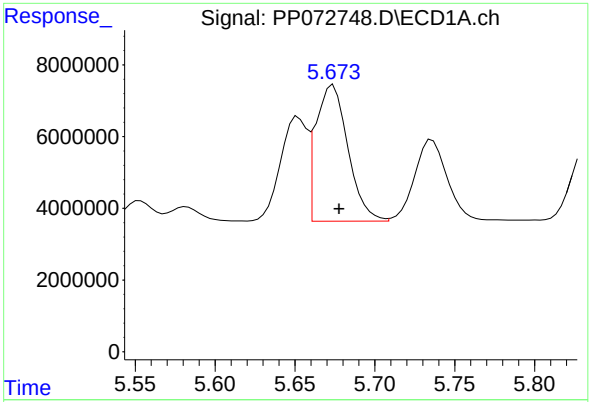
#16 AR-1242-1

R.T.: 5.652 min
Delta R.T.: -0.004 min
Response: 33959823
Conc: 542.51 ng/ml



#16 AR-1242-1

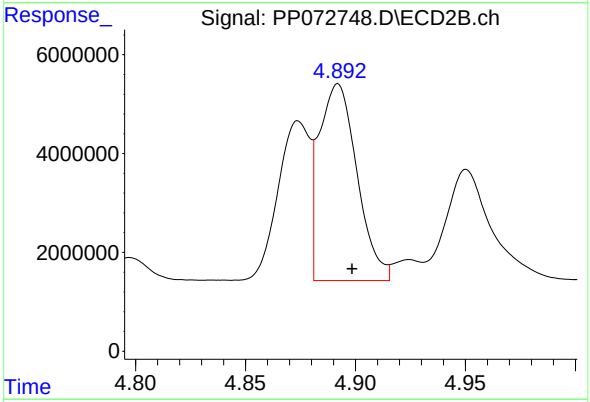
R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 32630862
Conc: 626.21 ng/ml



#17 AR-1242-2

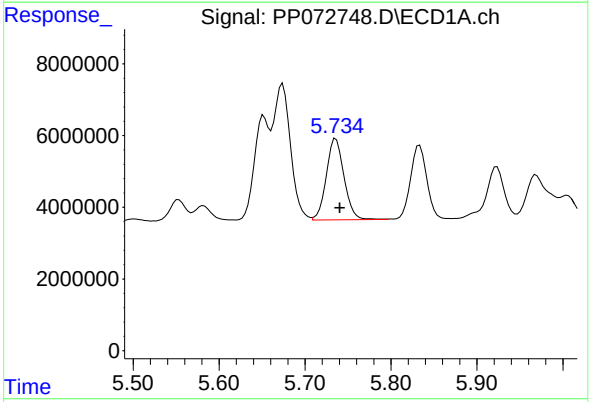
R.T.: 5.674 min
Delta R.T.: -0.004 min
Response: 53369225
Conc: 615.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



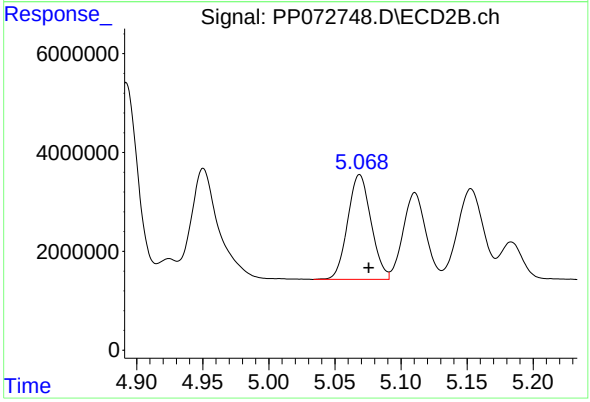
#17 AR-1242-2

R.T.: 4.892 min
Delta R.T.: -0.006 min
Response: 47775279
Conc: 650.04 ng/ml



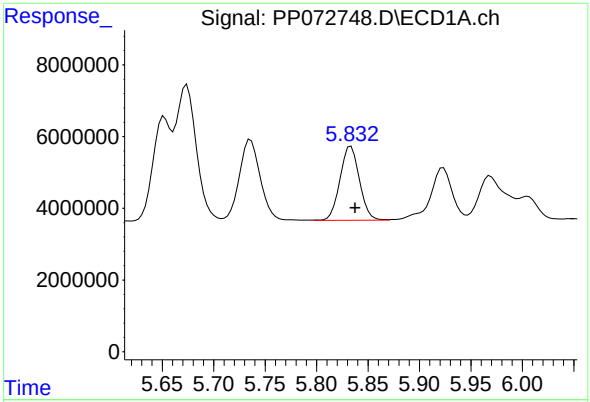
#18 AR-1242-3

R.T.: 5.736 min
Delta R.T.: -0.004 min
Response: 32357810
Conc: 587.62 ng/ml



#18 AR-1242-3

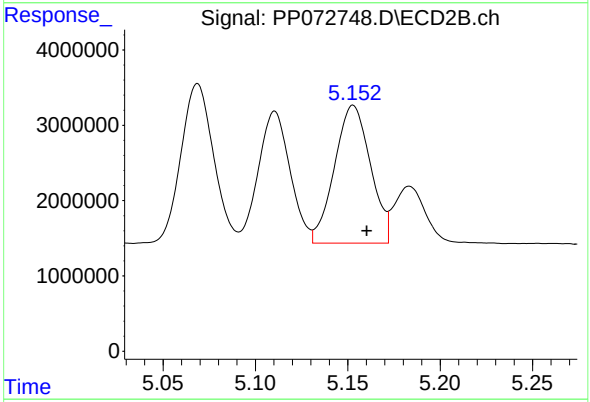
R.T.: 5.069 min
Delta R.T.: -0.007 min
Response: 26094133
Conc: 666.93 ng/ml



#19 AR-1242-4

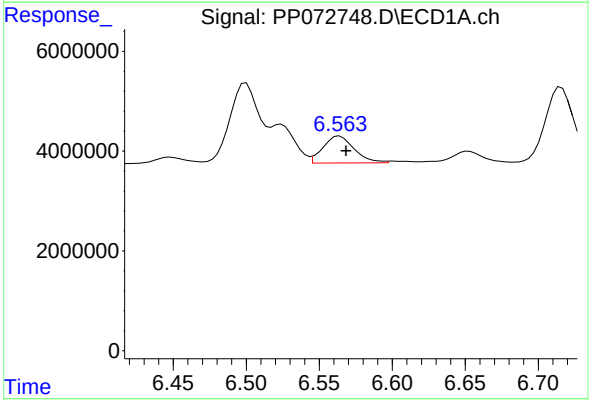
R.T.: 5.833 min
Delta R.T.: -0.004 min
Response: 27194408
Conc: 613.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



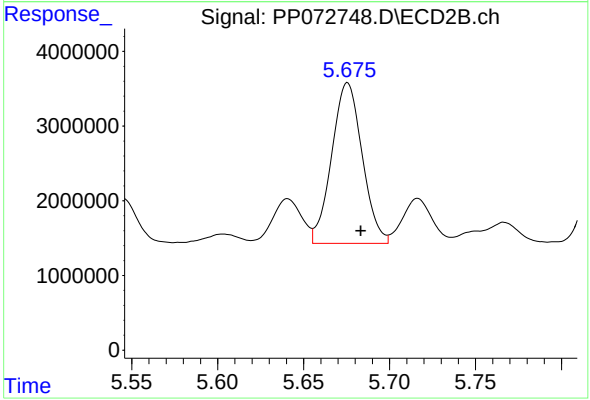
#19 AR-1242-4

R.T.: 5.153 min
Delta R.T.: -0.007 min
Response: 24840803
Conc: 660.96 ng/ml



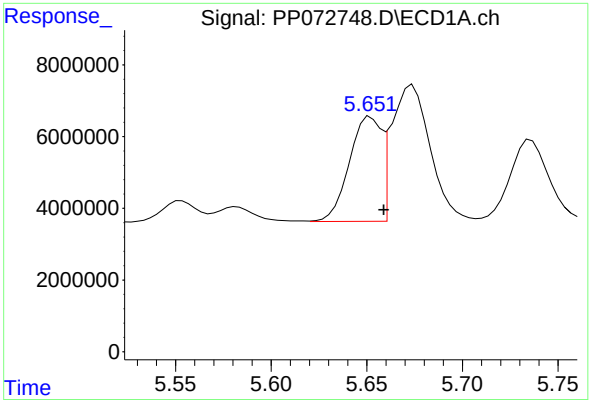
#20 AR-1242-5

R.T.: 6.564 min
Delta R.T.: -0.004 min
Response: 8013737
Conc: 157.18 ng/ml



#20 AR-1242-5

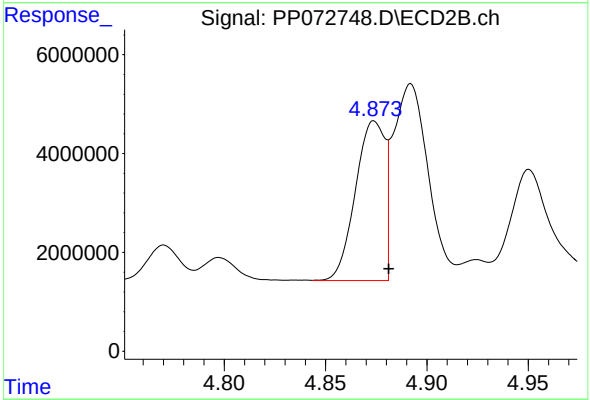
R.T.: 5.676 min
Delta R.T.: -0.008 min
Response: 26588055
Conc: 550.96 ng/ml



#21 AR-1248-1

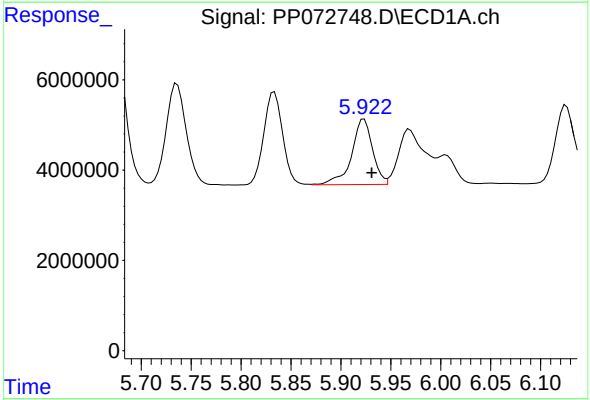
R.T.: 5.652 min
Delta R.T.: -0.007 min
Response: 33959823
Conc: 701.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



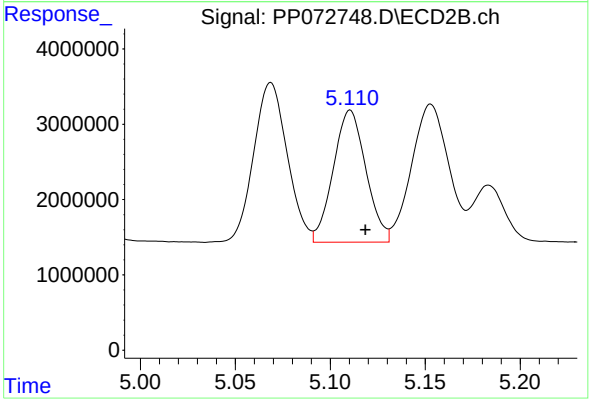
#21 AR-1248-1

R.T.: 4.874 min
Delta R.T.: -0.007 min
Response: 32630862
Conc: 753.22 ng/ml



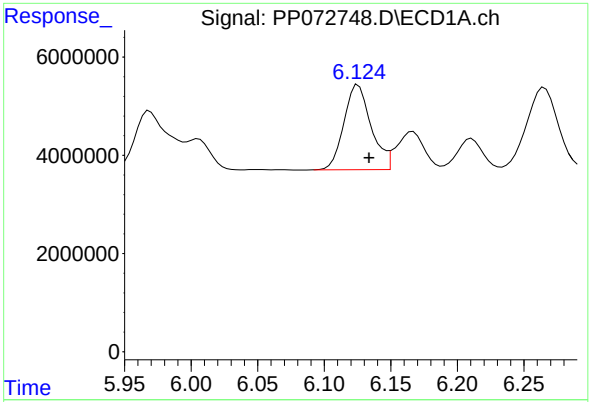
#22 AR-1248-2

R.T.: 5.923 min
Delta R.T.: -0.008 min
Response: 21229146
Conc: 350.08 ng/ml



#22 AR-1248-2

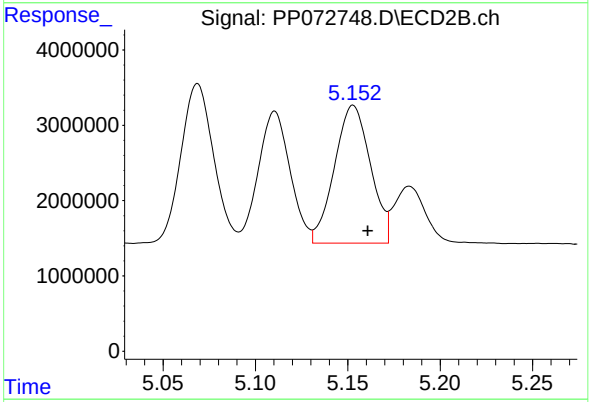
R.T.: 5.110 min
Delta R.T.: -0.008 min
Response: 21010253
Conc: 372.01 ng/ml



#23 AR-1248-3

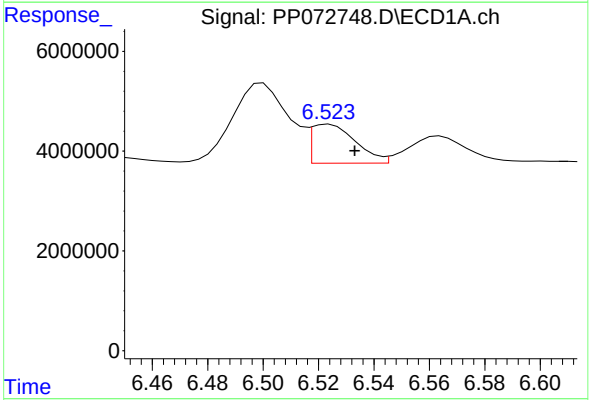
R.T.: 6.126 min
Delta R.T.: -0.008 min
Response: 24537840
Conc: 370.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



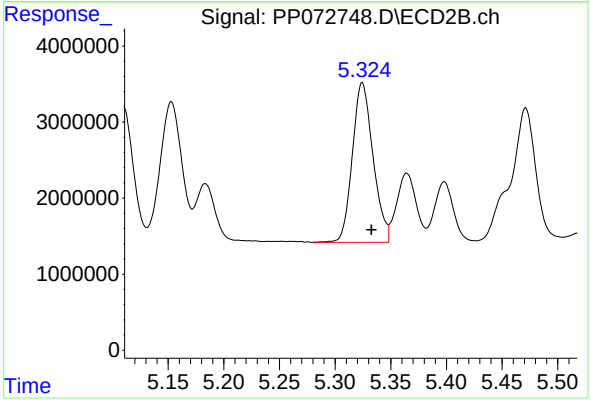
#23 AR-1248-3

R.T.: 5.153 min
Delta R.T.: -0.008 min
Response: 24840803
Conc: 420.27 ng/ml



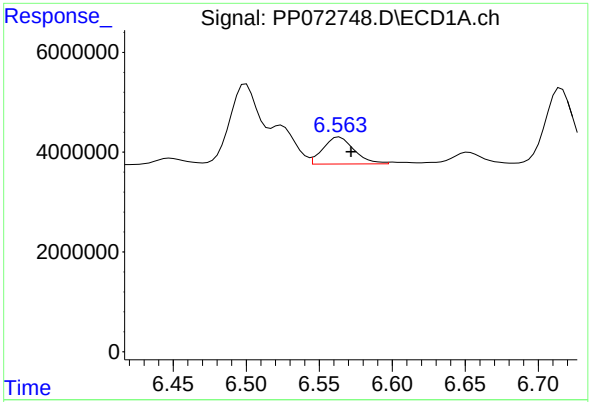
#24 AR-1248-4

R.T.: 6.524 min
Delta R.T.: -0.009 min
Response: 8695658
Conc: 99.50 ng/ml



#24 AR-1248-4

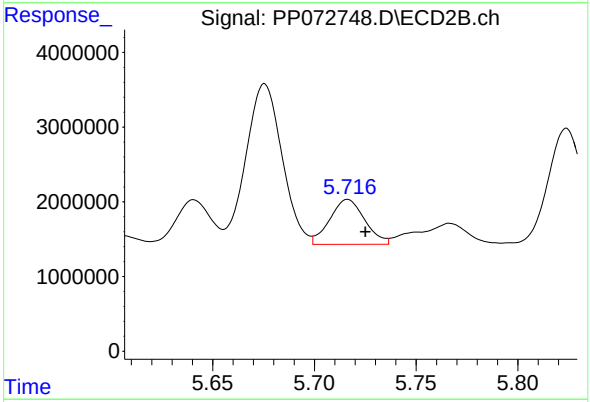
R.T.: 5.324 min
Delta R.T.: -0.008 min
Response: 27148187
Conc: 389.76 ng/ml



#25 AR-1248-5

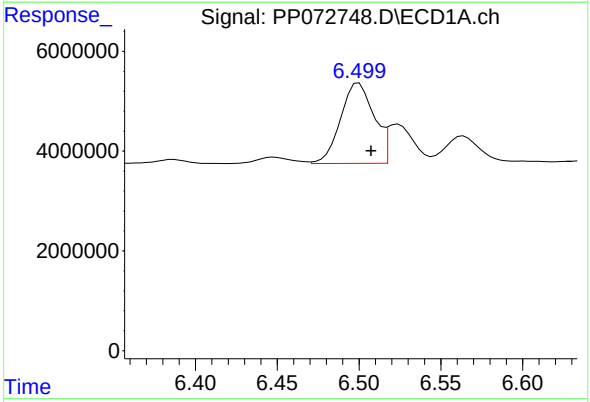
R.T.: 6.564 min
Delta R.T.: -0.008 min
Response: 8013737
Conc: 96.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



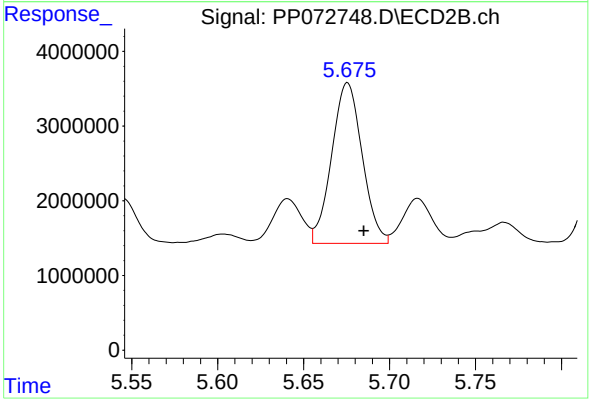
#25 AR-1248-5

R.T.: 5.716 min
Delta R.T.: -0.009 min
Response: 7197826
Conc: 103.21 ng/ml



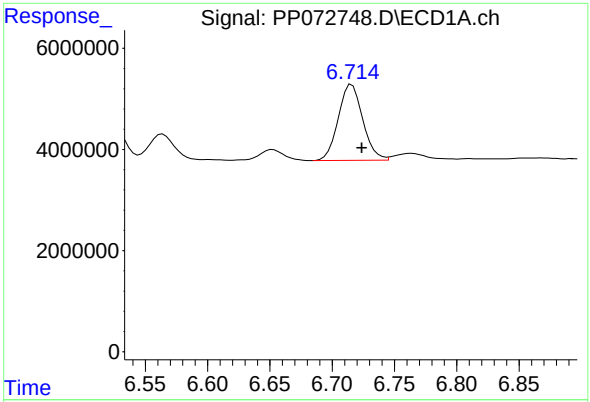
#26 AR-1254-1

R.T.: 6.500 min
Delta R.T.: -0.007 min
Response: 22864268
Conc: 265.85 ng/ml



#26 AR-1254-1

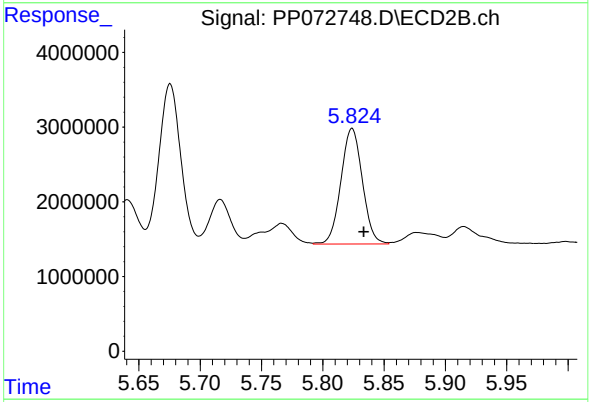
R.T.: 5.676 min
Delta R.T.: -0.010 min
Response: 26588055
Conc: 266.00 ng/ml



#27 AR-1254-2

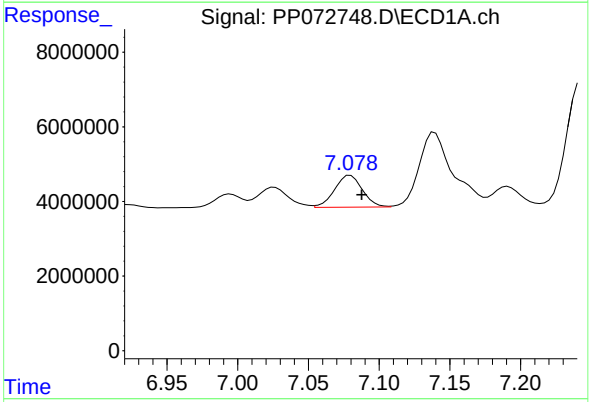
R.T.: 6.716 min
Delta R.T.: -0.008 min
Response: 20603604
Conc: 157.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



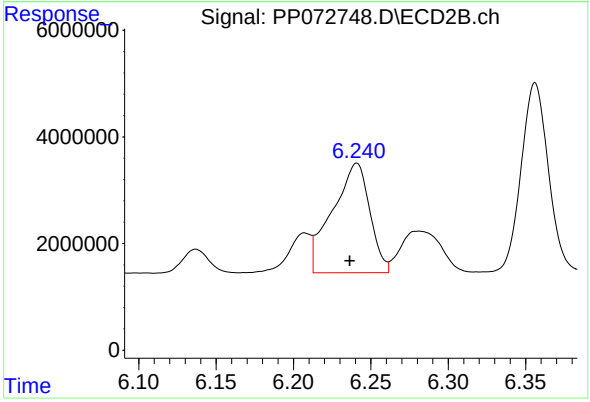
#27 AR-1254-2

R.T.: 5.824 min
Delta R.T.: -0.010 min
Response: 18853279
Conc: 218.44 ng/ml



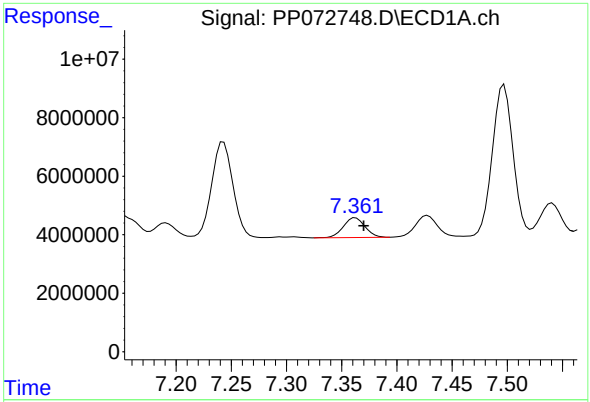
#28 AR-1254-3

R.T.: 7.080 min
Delta R.T.: -0.008 min
Response: 11686576
Conc: 88.53 ng/ml



#28 AR-1254-3

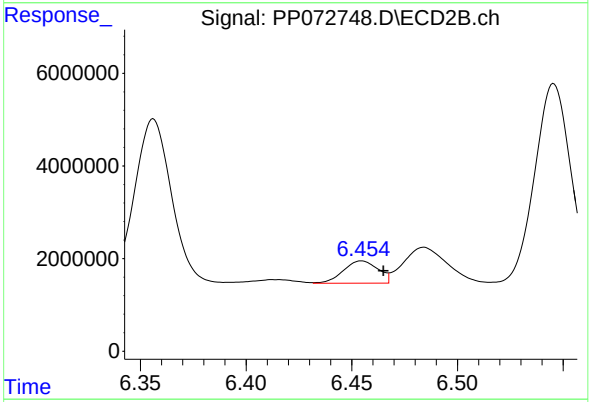
R.T.: 6.241 min
Delta R.T.: 0.005 min
Response: 34525621
Conc: 268.43 ng/ml



#29 AR-1254-4

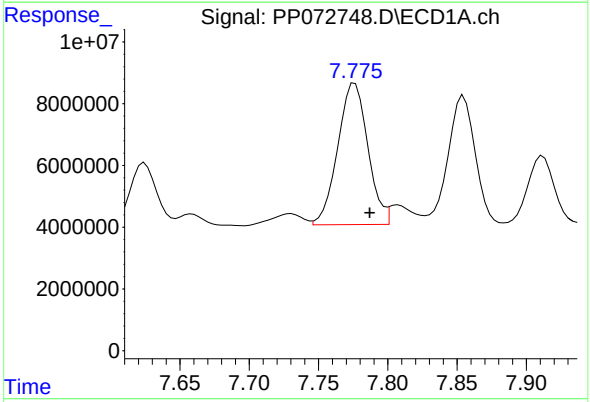
R.T.: 7.362 min
Delta R.T.: -0.008 min
Response: 9262820
Conc: 70.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



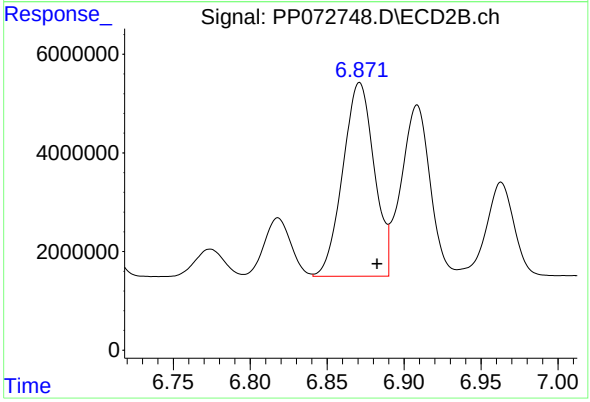
#29 AR-1254-4

R.T.: 6.455 min
Delta R.T.: -0.010 min
Response: 5485869
Conc: 64.32 ng/ml



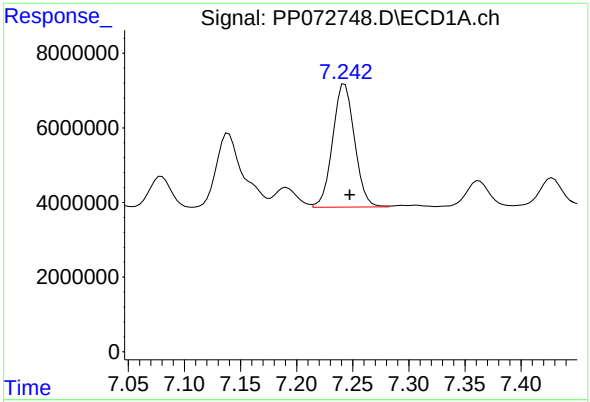
#30 AR-1254-5

R.T.: 7.776 min
Delta R.T.: -0.011 min
Response: 69388520
Conc: 623.74 ng/ml



#30 AR-1254-5

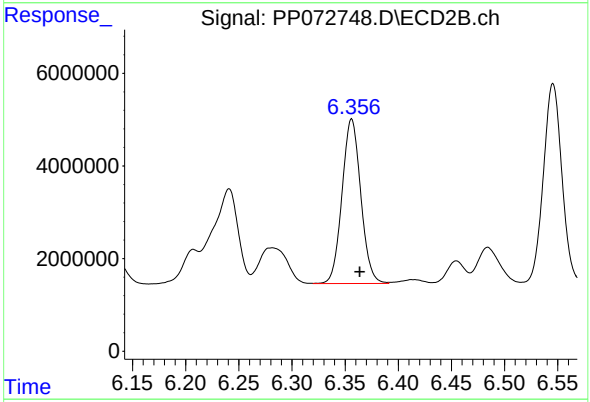
R.T.: 6.871 min
Delta R.T.: -0.011 min
Response: 55633672
Conc: 490.81 ng/ml



#31 AR-1260-1

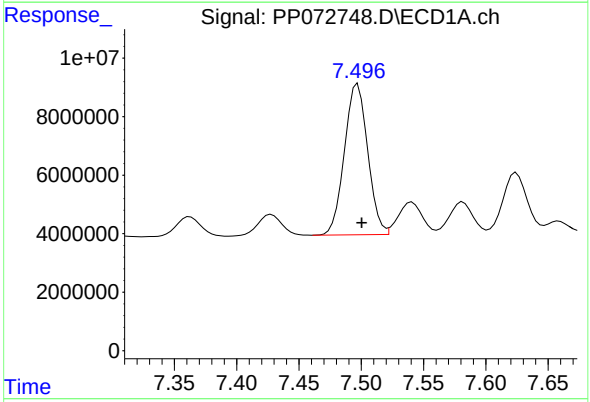
R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 44873889
Conc: 479.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



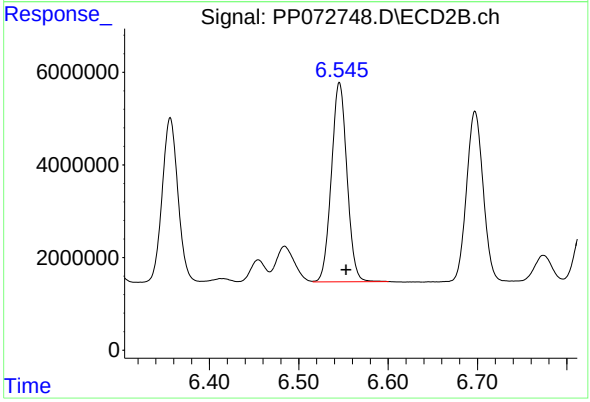
#31 AR-1260-1

R.T.: 6.356 min
Delta R.T.: -0.008 min
Response: 43623780
Conc: 546.98 ng/ml



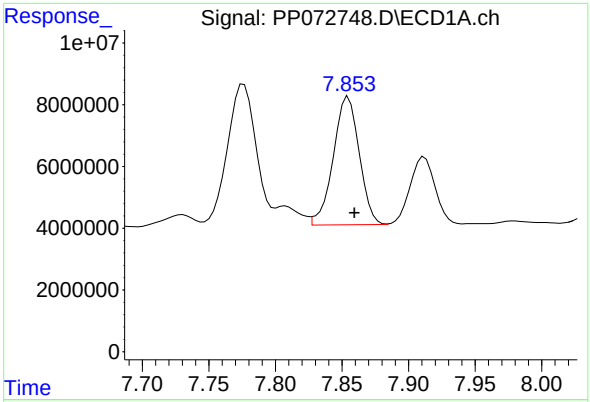
#32 AR-1260-2

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 67486977
Conc: 470.33 ng/ml



#32 AR-1260-2

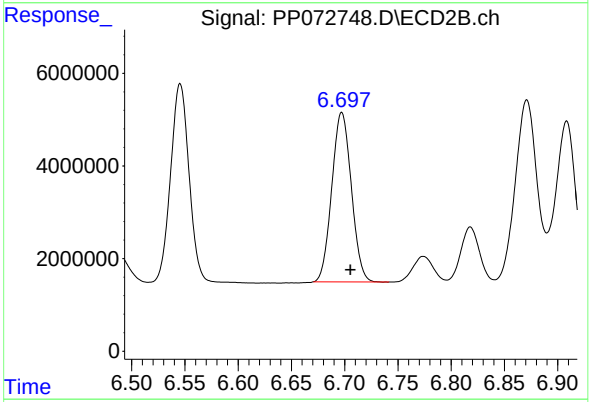
R.T.: 6.546 min
Delta R.T.: -0.007 min
Response: 52134078
Conc: 514.03 ng/ml



#33 AR-1260-3

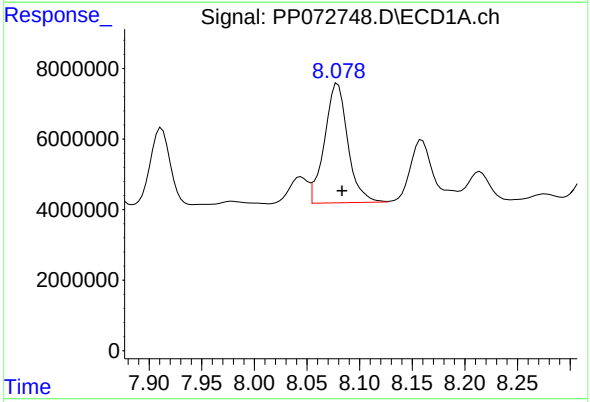
R.T.: 7.855 min
Delta R.T.: -0.005 min
Response: 56367141
Conc: 495.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



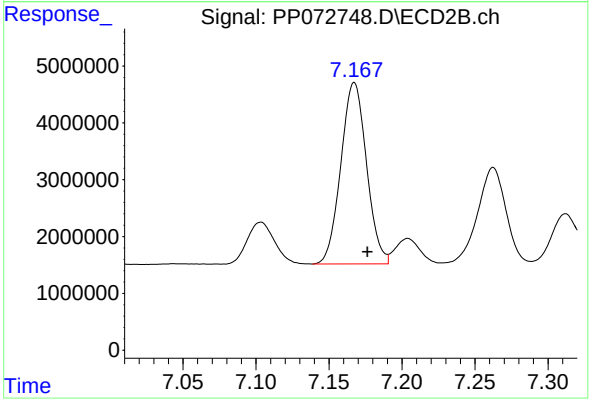
#33 AR-1260-3

R.T.: 6.697 min
Delta R.T.: -0.008 min
Response: 46768384
Conc: 538.17 ng/ml



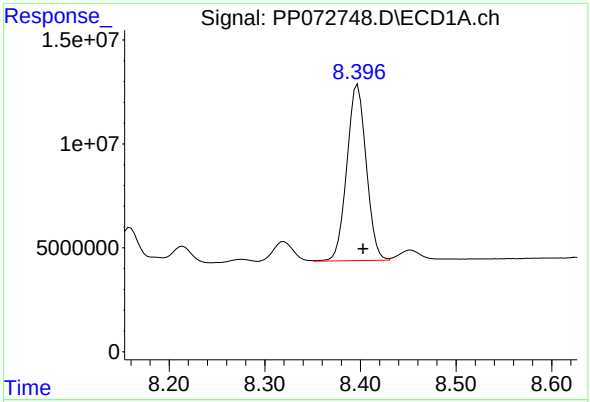
#34 AR-1260-4

R.T.: 8.079 min
Delta R.T.: -0.004 min
Response: 51975133
Conc: 484.38 ng/ml



#34 AR-1260-4

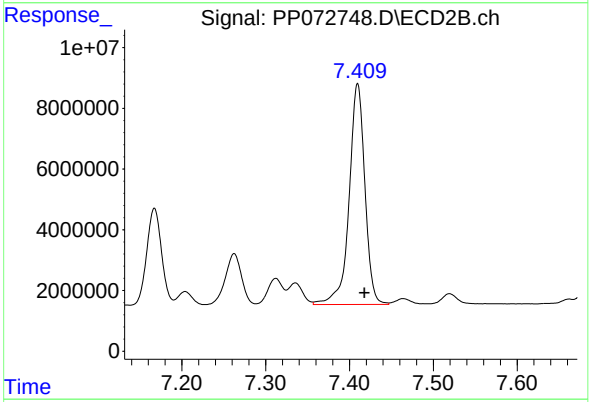
R.T.: 7.167 min
Delta R.T.: -0.009 min
Response: 39051930
Conc: 541.70 ng/ml



#35 AR-1260-5

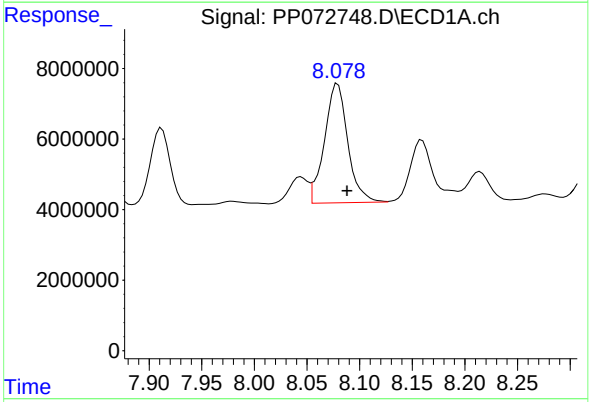
R.T.: 8.397 min
Delta R.T.: -0.006 min
Response: 119536572
Conc: 505.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



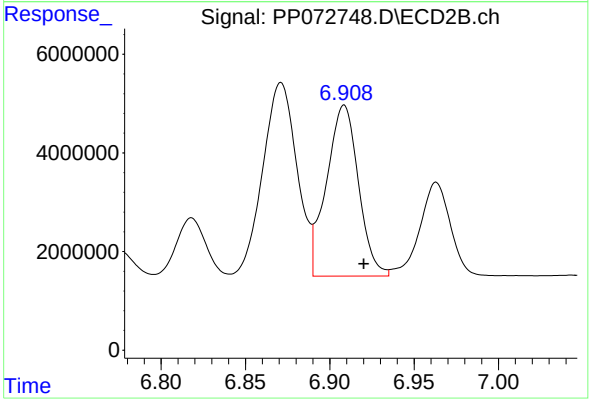
#35 AR-1260-5

R.T.: 7.410 min
Delta R.T.: -0.008 min
Response: 95218540
Conc: 548.42 ng/ml



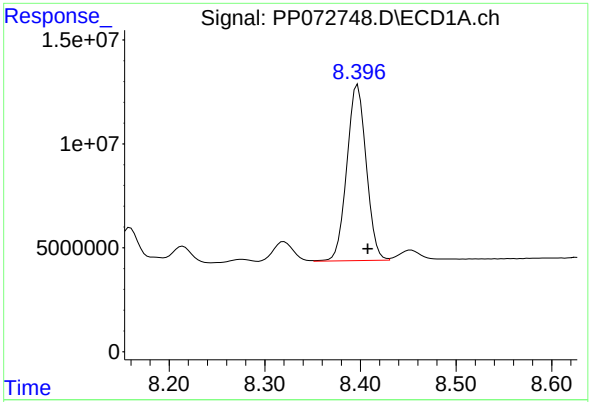
#36 AR-1262-1

R.T.: 8.079 min
Delta R.T.: -0.009 min
Response: 51975133
Conc: 390.07 ng/ml



#36 AR-1262-1

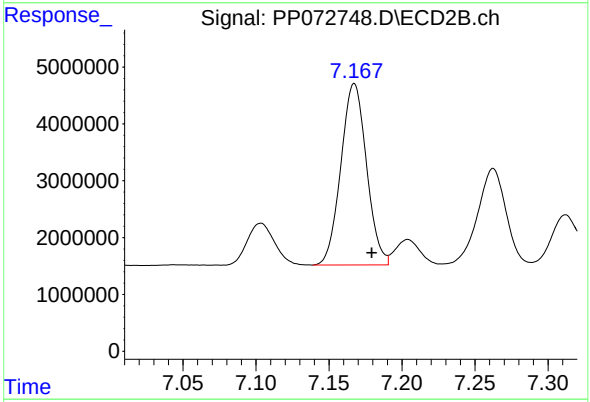
R.T.: 6.909 min
Delta R.T.: -0.012 min
Response: 45718048
Conc: 404.48 ng/ml



#37 AR-1262-2

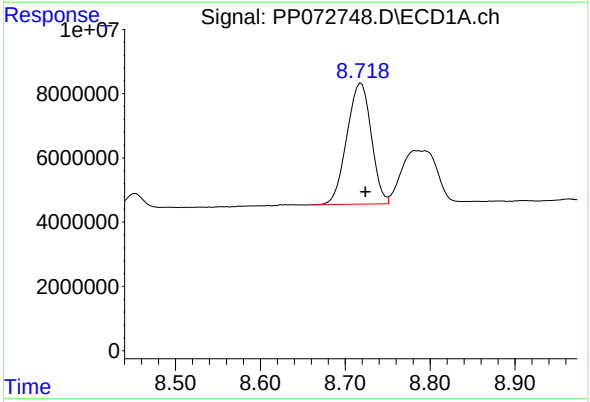
R.T.: 8.397 min
Delta R.T.: -0.010 min
Response: 119536572
Conc: 438.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



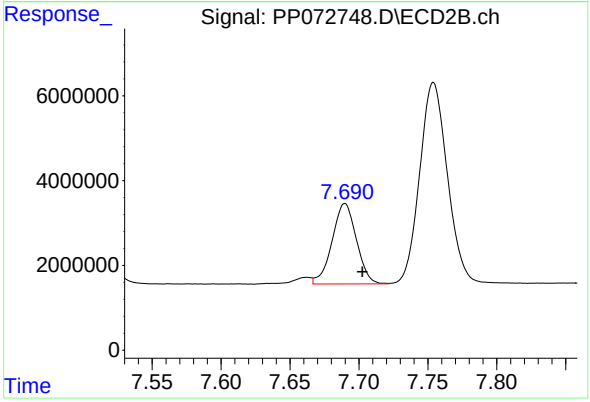
#37 AR-1262-2

R.T.: 7.167 min
Delta R.T.: -0.012 min
Response: 39051930
Conc: 402.07 ng/ml



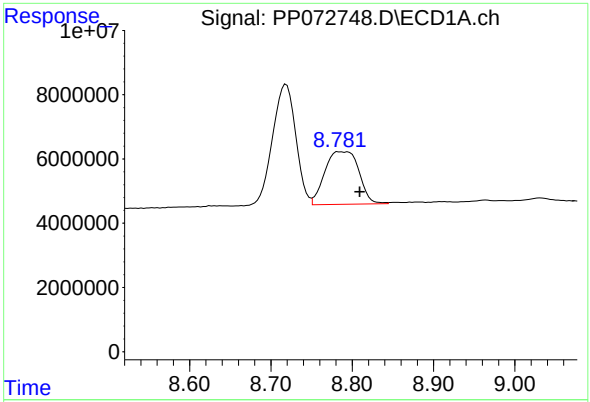
#38 AR-1262-3

R.T.: 8.719 min
Delta R.T.: -0.005 min
Response: 75028619
Conc: 404.40 ng/ml



#38 AR-1262-3

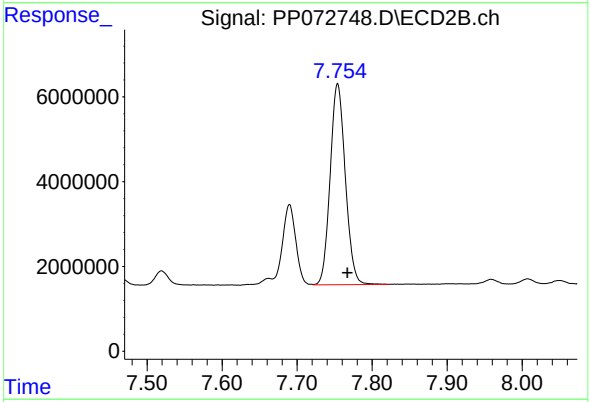
R.T.: 7.690 min
Delta R.T.: -0.013 min
Response: 23305903
Conc: 285.85 ng/ml



#39 AR-1262-4

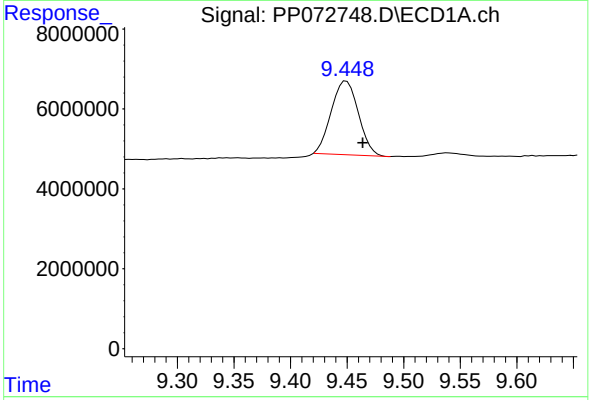
R.T.: 8.784 min
Delta R.T.: -0.025 min
Response: 47798333
Conc: 355.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



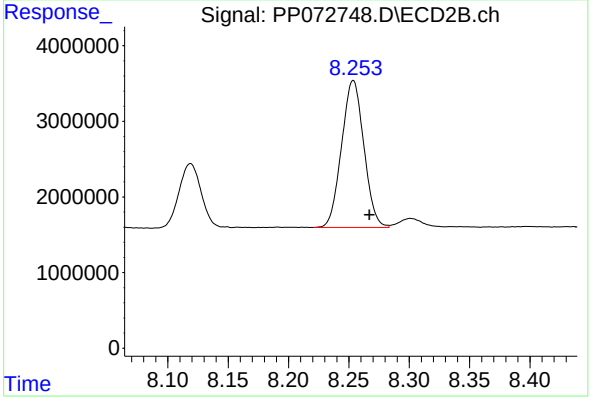
#39 AR-1262-4

R.T.: 7.754 min
Delta R.T.: -0.013 min
Response: 66555574
Conc: 473.29 ng/ml



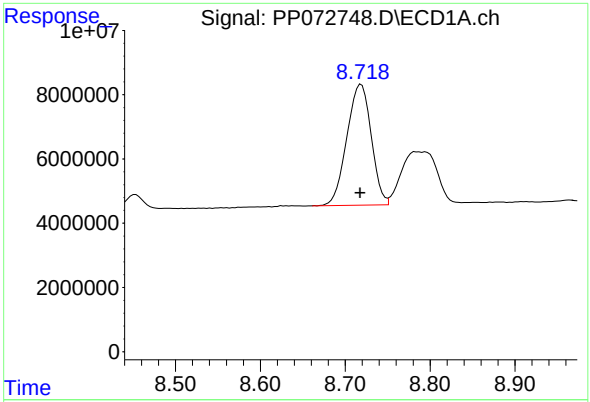
#40 AR-1262-5

R.T.: 9.449 min
Delta R.T.: -0.014 min
Response: 30867158
Conc: 333.84 ng/ml



#40 AR-1262-5

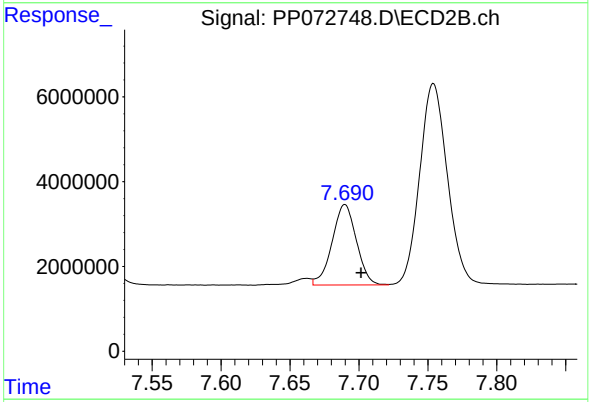
R.T.: 8.254 min
Delta R.T.: -0.013 min
Response: 24977907
Conc: 383.78 ng/ml



#41 AR-1268-1

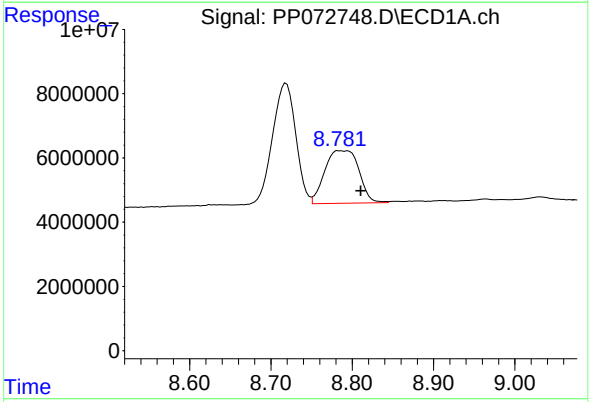
R.T.: 8.719 min
Delta R.T.: 0.001 min
Response: 75028619
Conc: 225.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



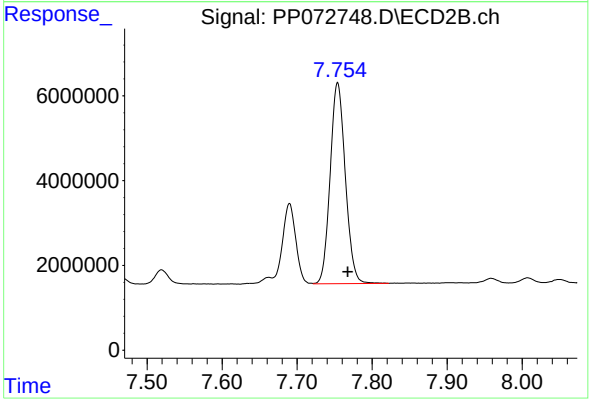
#41 AR-1268-1

R.T.: 7.690 min
Delta R.T.: -0.012 min
Response: 23305903
Conc: 99.51 ng/ml



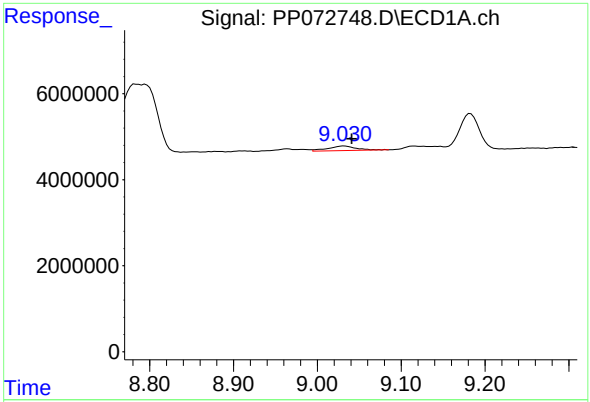
#42 AR-1268-2

R.T.: 8.784 min
Delta R.T.: -0.027 min
Response: 47798333
Conc: 170.72 ng/ml



#42 AR-1268-2

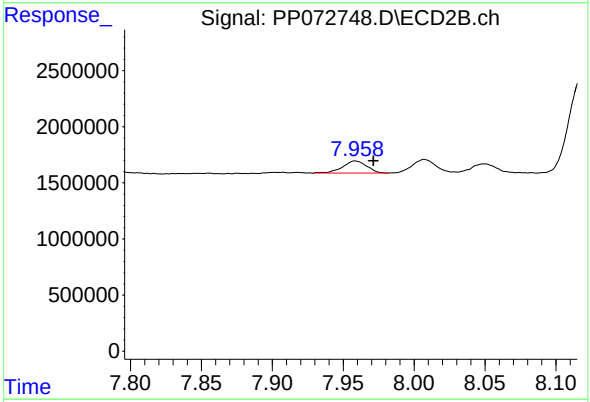
R.T.: 7.754 min
Delta R.T.: -0.014 min
Response: 66555574
Conc: 321.80 ng/ml



#43 AR-1268-3

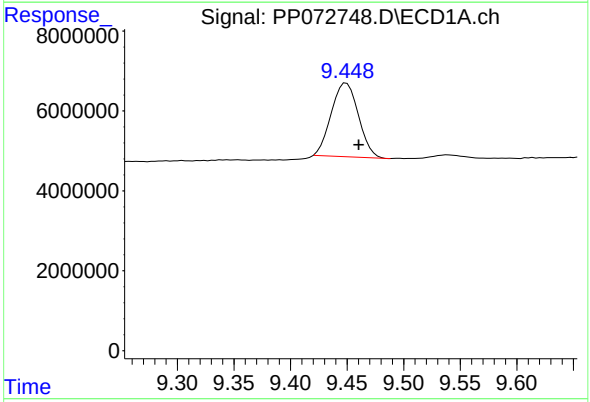
R.T.: 9.032 min
Delta R.T.: -0.009 min
Response: 2533077
Conc: 10.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



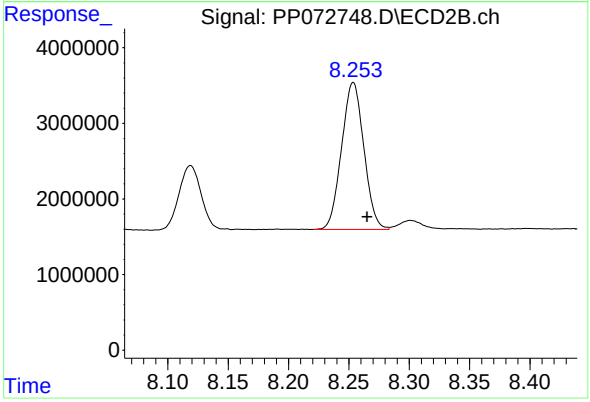
#43 AR-1268-3

R.T.: 7.959 min
Delta R.T.: -0.013 min
Response: 1279893
Conc: 7.56 ng/ml



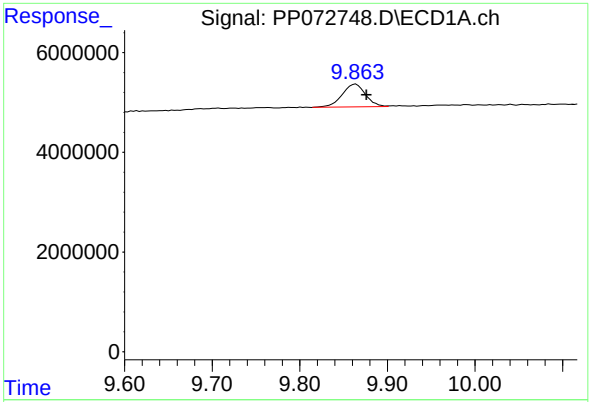
#44 AR-1268-4

R.T.: 9.449 min
Delta R.T.: -0.011 min
Response: 30867158
Conc: 294.12 ng/ml



#44 AR-1268-4

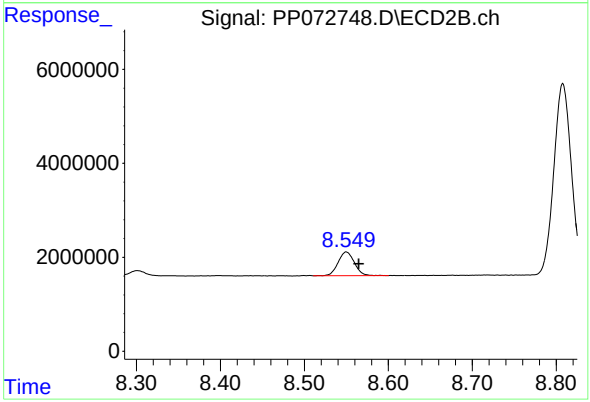
R.T.: 8.254 min
Delta R.T.: -0.012 min
Response: 24977907
Conc: 342.37 ng/ml



#45 AR-1268-5

R.T.: 9.864 min
Delta R.T.: -0.012 min
Response: 8526200
Conc: 12.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.550 min
Delta R.T.: -0.015 min
Response: 6797722
Conc: 14.88 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 16:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:30:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.500	3.793	36235507	31389715	18.020	19.639	
2)	SA Decachlor...	10.199	8.809	28681261	21545156	17.605	20.352	
	Target Compounds							
3)	L1 AR-1016-1	5.642	4.873	443653	217538	5.909	3.541	#
4)	L1 AR-1016-2	5.660	4.873	1002655	217538	9.371	2.478	#
5)	L1 AR-1016-3	5.739	5.036f	1437384	49843	21.923	1.046	#
6)	L1 AR-1016-4	5.822	5.110	991857	53764	18.619	1.413	#
7)	L1 AR-1016-5	6.138	5.339	93266	72697	1.907	1.459	
8)	L2 AR-1221-1	4.706	4.000	156297	107330	5.979	4.003	#
9)	L2 AR-1221-2	4.802	4.094	728217	689135	35.698	33.559	
10)	L2 AR-1221-3	4.889	4.176	259651	48406	4.292	0.822	#
11)	L3 AR-1232-1	4.889	4.176	259651	48406	5.512	1.117	#
12)	L3 AR-1232-2	5.401	4.873	81832	217538	3.515	4.924	#
13)	L3 AR-1232-3	5.684	5.110f	451660	53764	9.022	2.299	#
14)	L3 AR-1232-4	5.822	5.149	991857	63922	39.518	3.085	#
15)	L3 AR-1232-5	5.916	5.339	763367	72697	43.572	3.140	#
16)	L4 AR-1242-1	5.660	4.873	1002655	217538	16.018	4.175	#
17)	L4 AR-1242-2	5.684	4.873	451660	217538	5.205	2.960	#
18)	L4 AR-1242-3	5.739	5.110	1437384	53764	26.103	1.374	#
19)	L4 AR-1242-4	5.822	5.149	991857	63922	22.365	1.701	#
20)	L4 AR-1242-5	6.560	5.674	390857	189499	7.666	3.927	#
21)	L5 AR-1248-1	5.660	4.873	1002655	217538	20.718	5.021	#
22)	L5 AR-1248-2	5.916	5.120	763367	41174	12.588	0.729	#
23)	L5 AR-1248-3	6.138	5.149	93266	63922	1.409	1.081	
24)	L5 AR-1248-4	6.538	5.339	637489	72697	7.295	1.044	#
25)	L5 AR-1248-5	6.560	5.737	390857	91547	4.708	1.313	#
26)	L6 AR-1254-1	6.512	5.674	273736	189499	3.183	1.896	#
27)	L6 AR-1254-2	6.732	5.832	886011	134378	6.780	1.557	#
28)	L6 AR-1254-3	7.075	6.233	1822136	206223	13.804	1.603	#
29)	L6 AR-1254-4	7.377	6.468	645880	440838	4.949	5.168	
30)	L6 AR-1254-5	7.774	6.866	108166	40581	0.972	0.358	#
31)	L7 AR-1260-1	7.253	6.346	1594378	140162	17.035	1.757	#
32)	L7 AR-1260-2	7.513	6.576	683099	103697	4.761	1.022	#
33)	L7 AR-1260-3	7.863	0.000	153351	0	1.347	N.D.	#
34)	L7 AR-1260-4	8.086	7.173	579543	34151	5.401	0.474	#
35)	L7 AR-1260-5	8.396	7.439	1365649	236350	5.770	1.361	#
36)	L8 AR-1262-1	8.086	6.907	579543	197325	4.349	1.746	#
37)	L8 AR-1262-2	8.396	7.173	1365649	34151	5.014	0.352	#
38)	L8 AR-1262-3	8.728	7.683	145714	33726	0.785	0.414	#
39)	L8 AR-1262-4	8.817	7.765	463850	29637	3.454	0.211	#
40)	L8 AR-1262-5	9.492	8.251	119853	7323	1.296	0.113	#
41)	L9 AR-1268-1	8.728	7.683	145714	33726	0.437	0.144	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 16:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:30:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
42)	L9 AR-1268-2	8.817	7.765	463850	29637	1.657	0.143	#
43)	L9 AR-1268-3	9.034	7.963	1604653	150775	6.645	0.890	#
44)	L9 AR-1268-4	9.492	8.251	119853	7323	1.142	0.100	#
45)	L9 AR-1268-5	9.861	8.550	927950	293301	1.371	0.642	#

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

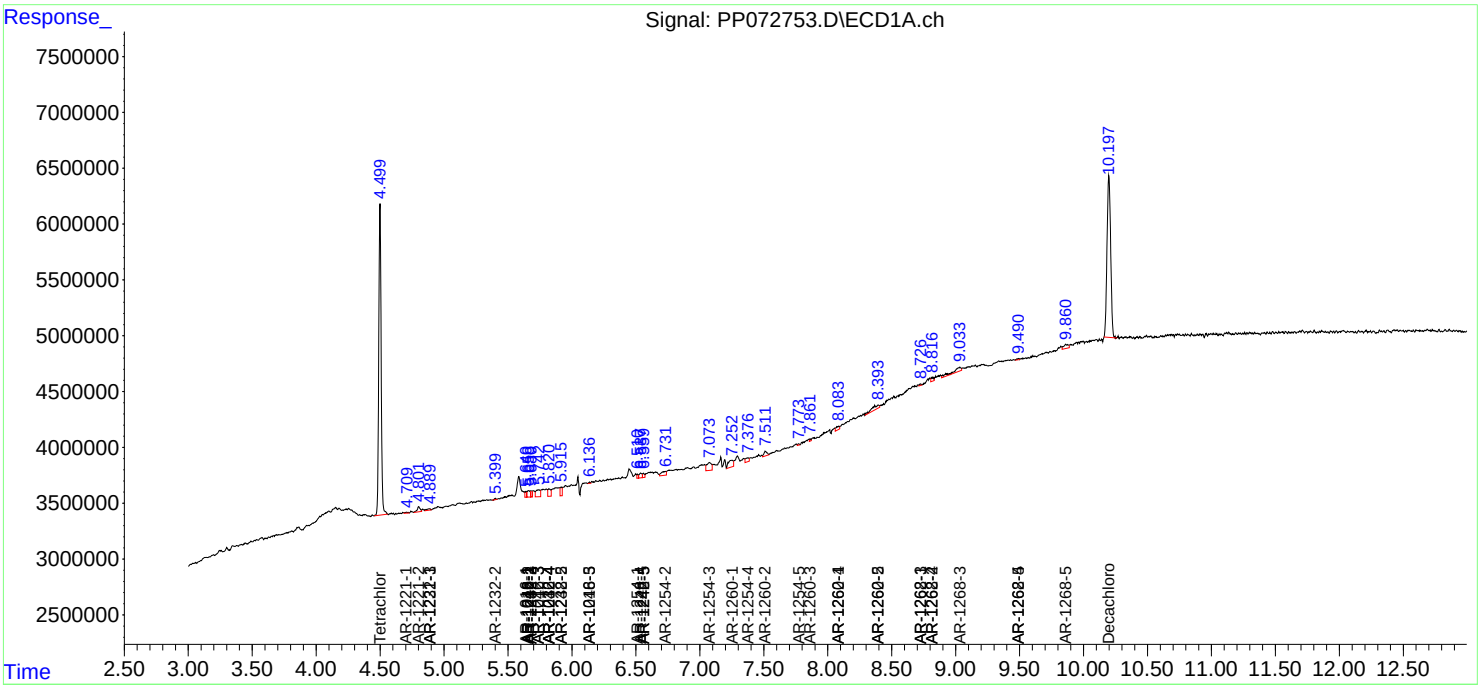
Quantitation Report (Not Reviewed)

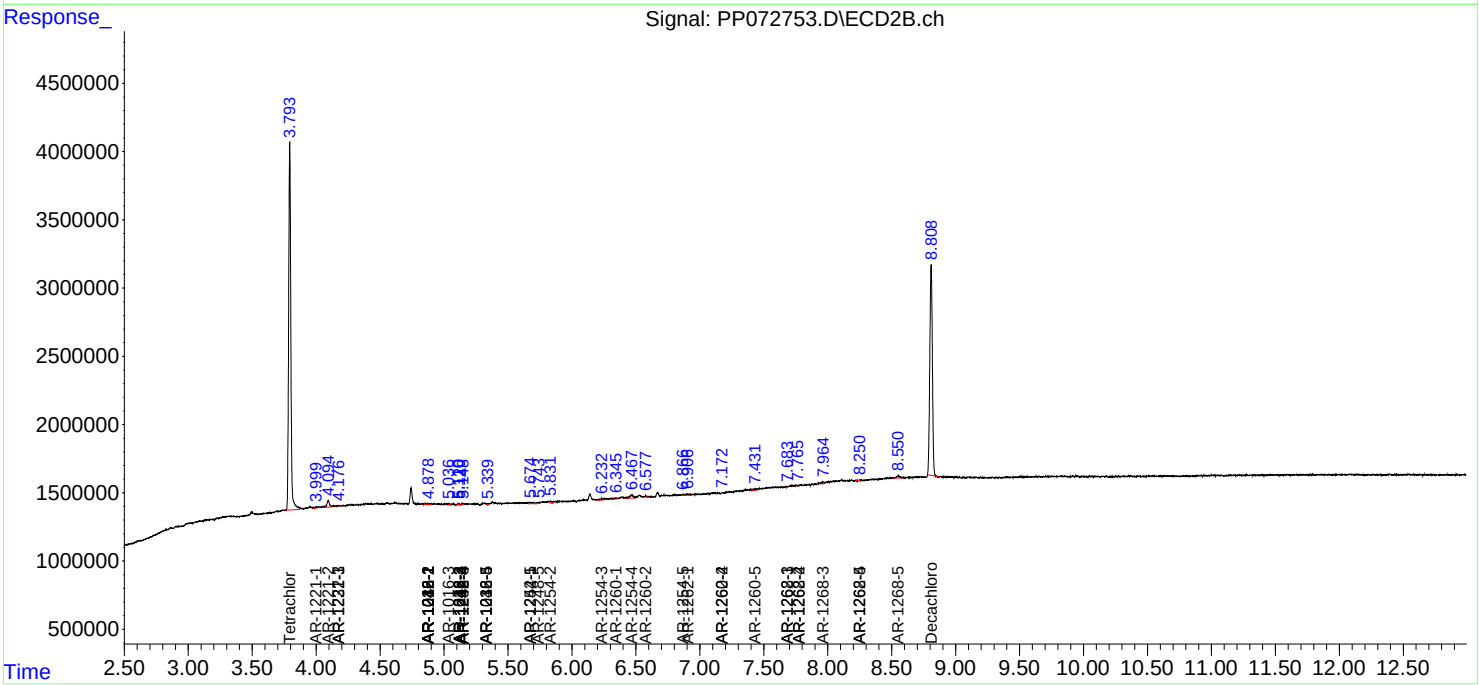
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 16:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

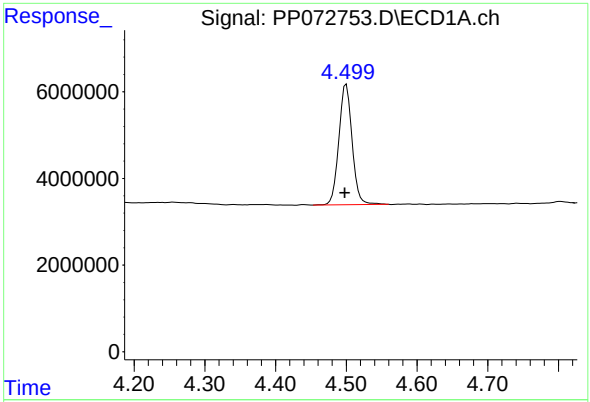
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:30:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



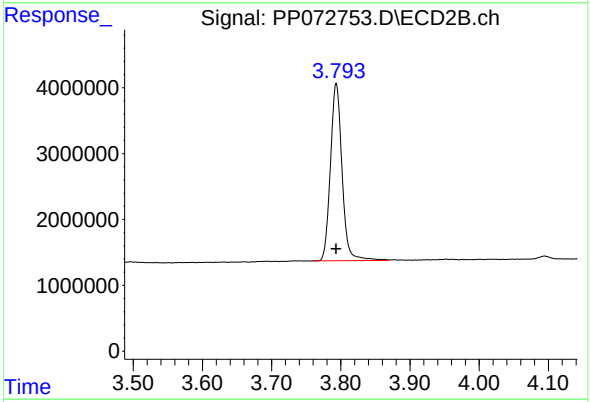




#1 Tetrachloro-m-xylene

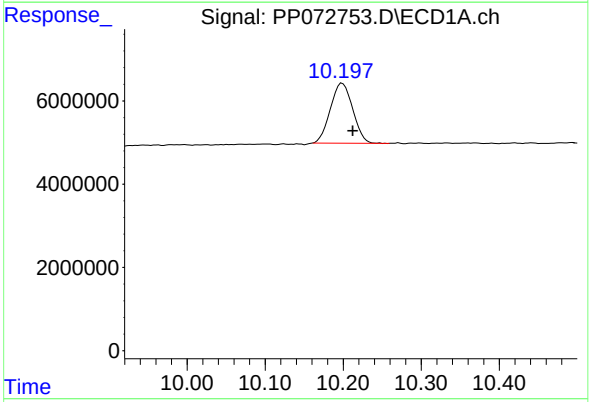
R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 36235507
Conc: 18.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



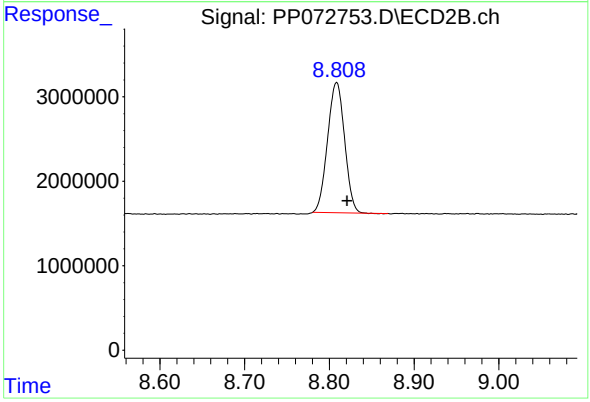
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 31389715
Conc: 19.64 ng/ml



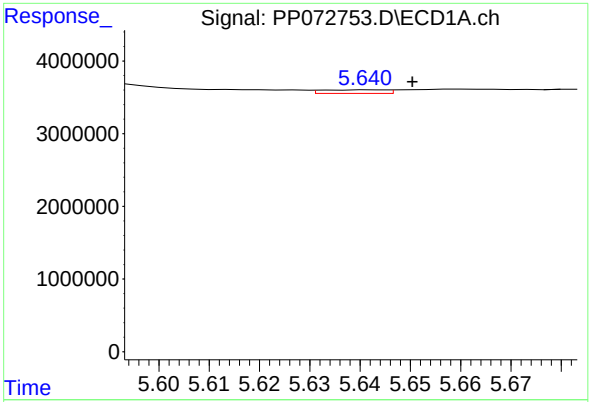
#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 28681261
Conc: 17.61 ng/ml



#2 Decachlorobiphenyl

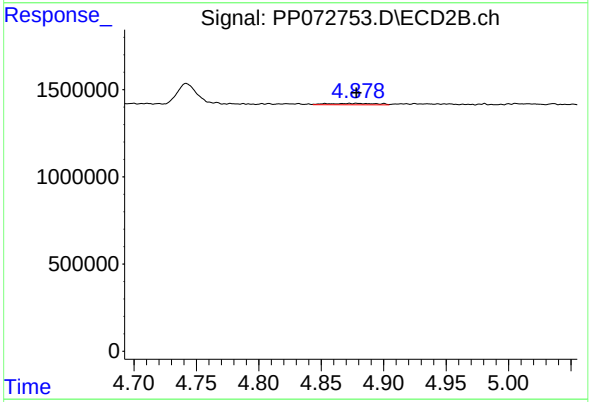
R.T.: 8.809 min
Delta R.T.: -0.013 min
Response: 21545156
Conc: 20.35 ng/ml



#3 AR-1016-1

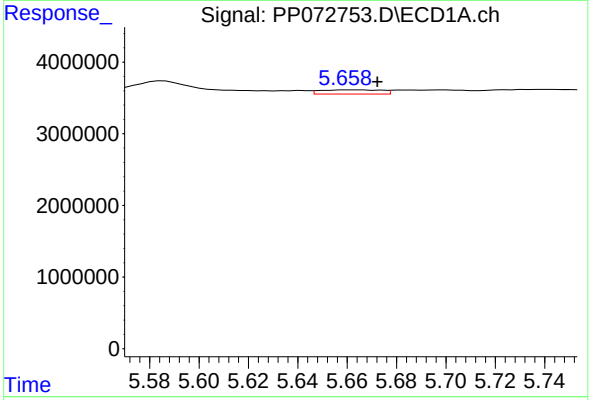
R.T.: 5.642 min
Delta R.T.: -0.009 min
Response: 443653
Conc: 5.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



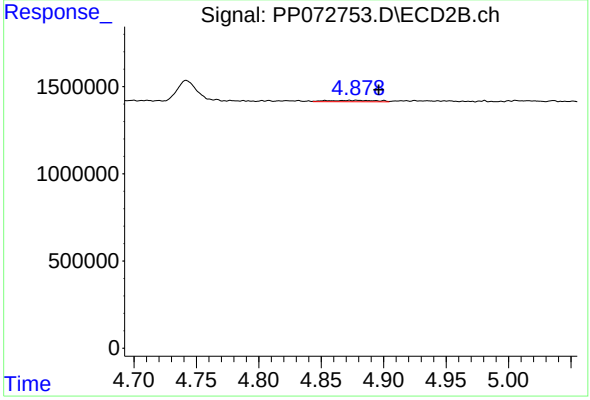
#3 AR-1016-1

R.T.: 4.873 min
Delta R.T.: -0.006 min
Response: 217538
Conc: 3.54 ng/ml



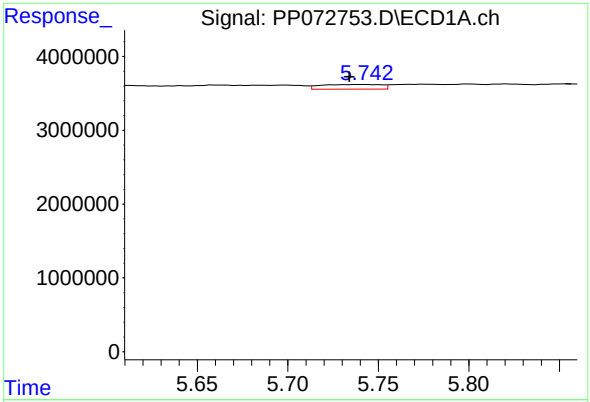
#4 AR-1016-2

R.T.: 5.660 min
Delta R.T.: -0.012 min
Response: 1002655
Conc: 9.37 ng/ml



#4 AR-1016-2

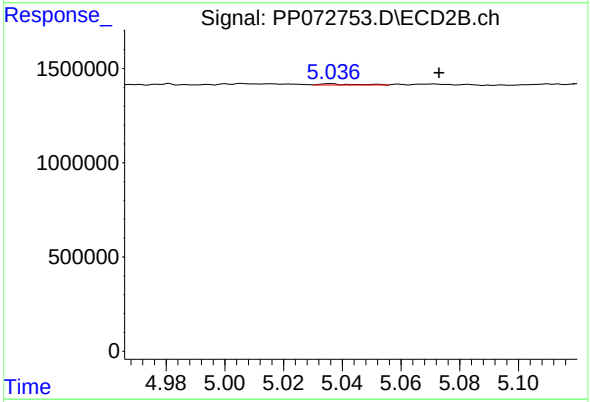
R.T.: 4.873 min
Delta R.T.: -0.023 min
Response: 217538
Conc: 2.48 ng/ml



#5 AR-1016-3

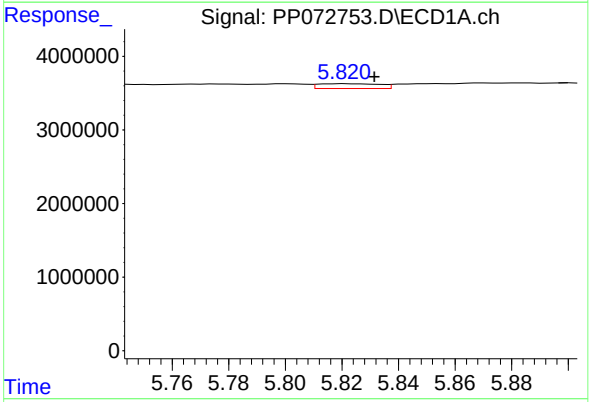
R.T.: 5.739 min
Delta R.T.: 0.006 min
Response: 1437384
Conc: 21.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



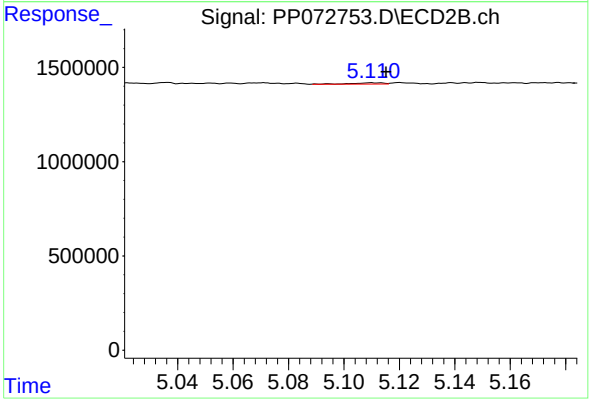
#5 AR-1016-3

R.T.: 5.036 min
Delta R.T.: -0.037 min
Response: 49843
Conc: 1.05 ng/ml



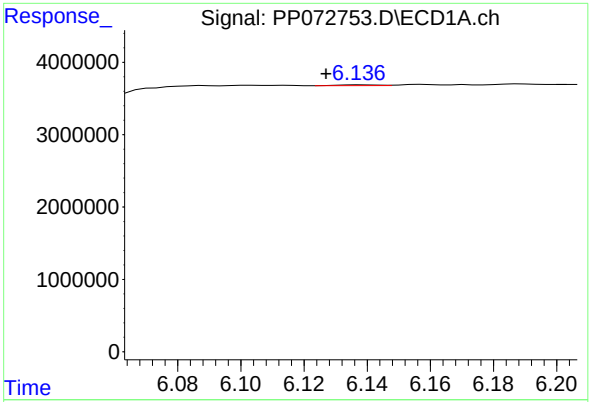
#6 AR-1016-4

R.T.: 5.822 min
Delta R.T.: -0.010 min
Response: 991857
Conc: 18.62 ng/ml



#6 AR-1016-4

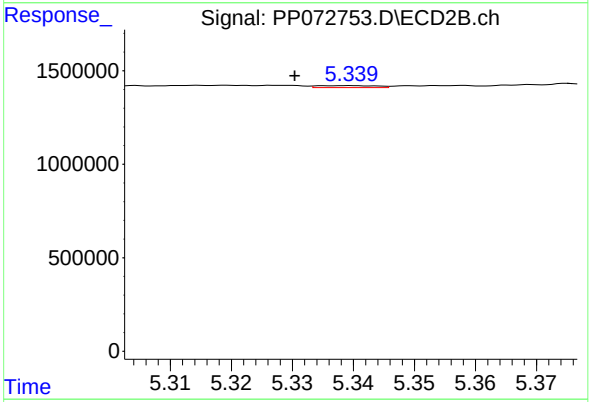
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 53764
Conc: 1.41 ng/ml



#7 AR-1016-5

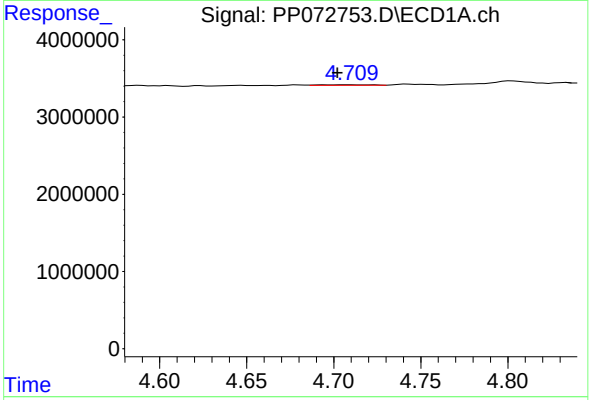
R.T.: 6.138 min
Delta R.T.: 0.011 min
Response: 93266
Conc: 1.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



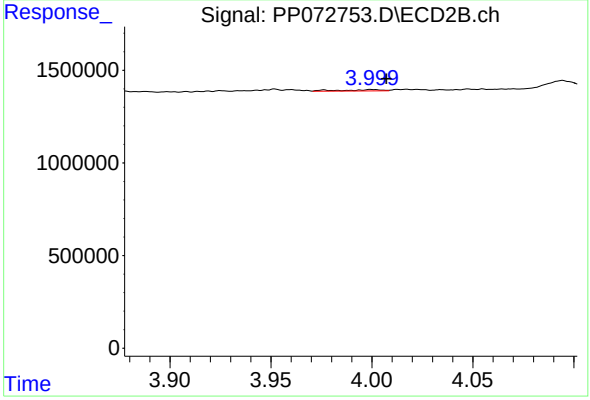
#7 AR-1016-5

R.T.: 5.339 min
Delta R.T.: 0.009 min
Response: 72697
Conc: 1.46 ng/ml



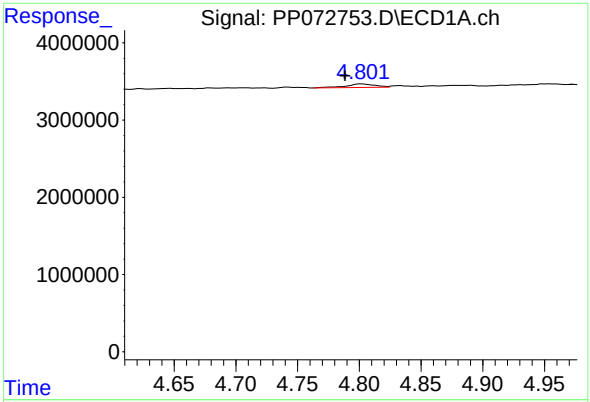
#8 AR-1221-1

R.T.: 4.706 min
Delta R.T.: 0.004 min
Response: 156297
Conc: 5.98 ng/ml



#8 AR-1221-1

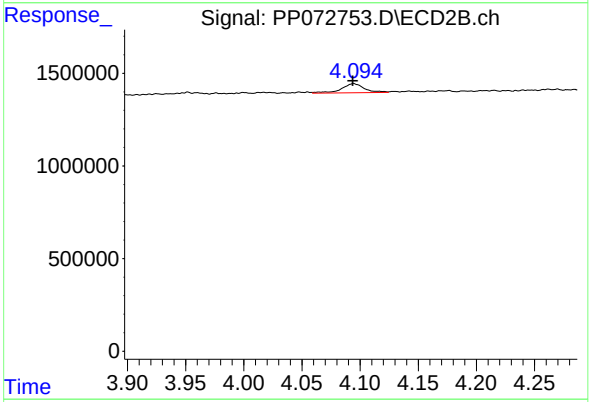
R.T.: 4.000 min
Delta R.T.: -0.007 min
Response: 107330
Conc: 4.00 ng/ml



#9 AR-1221-2

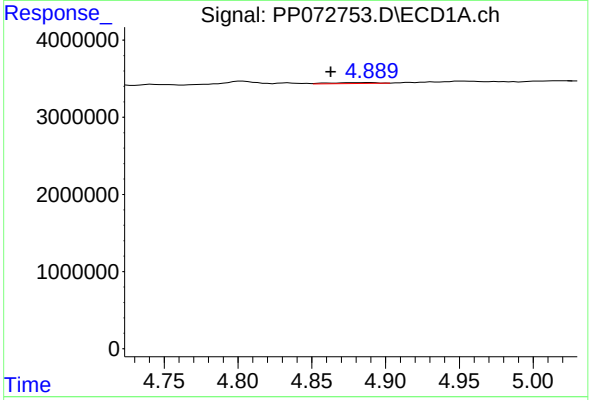
R.T.: 4.802 min
Delta R.T.: 0.014 min
Response: 728217
Conc: 35.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



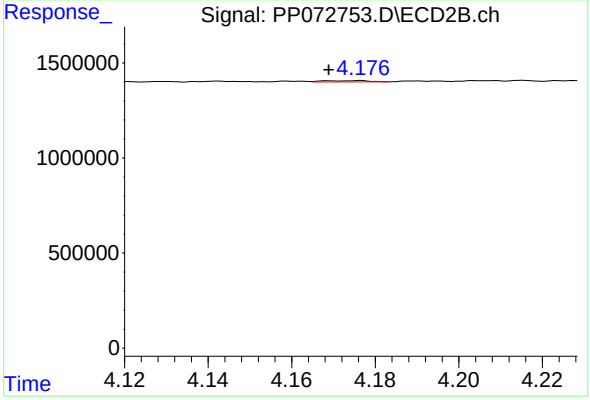
#9 AR-1221-2

R.T.: 4.094 min
Delta R.T.: 0.000 min
Response: 689135
Conc: 33.56 ng/ml



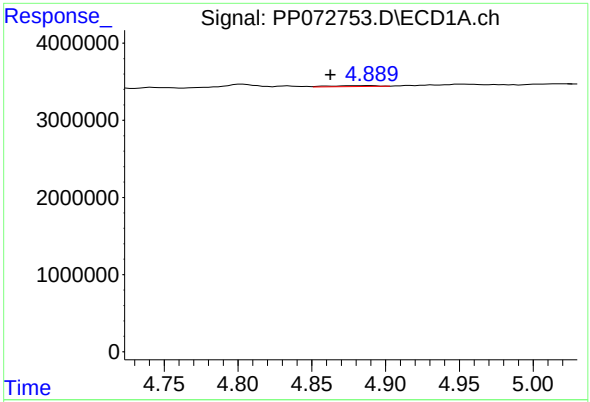
#10 AR-1221-3

R.T.: 4.889 min
Delta R.T.: 0.026 min
Response: 259651
Conc: 4.29 ng/ml



#10 AR-1221-3

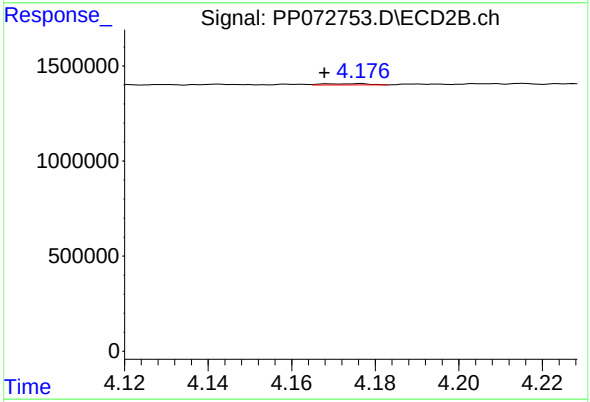
R.T.: 4.176 min
Delta R.T.: 0.007 min
Response: 48406
Conc: 0.82 ng/ml



#11 AR-1232-1

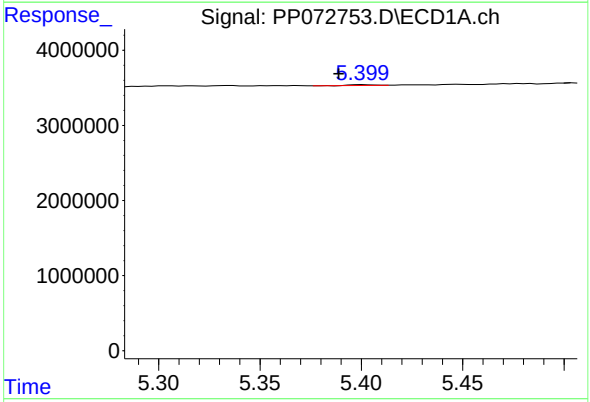
R.T.: 4.889 min
Delta R.T.: 0.027 min
Response: 259651
Conc: 5.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



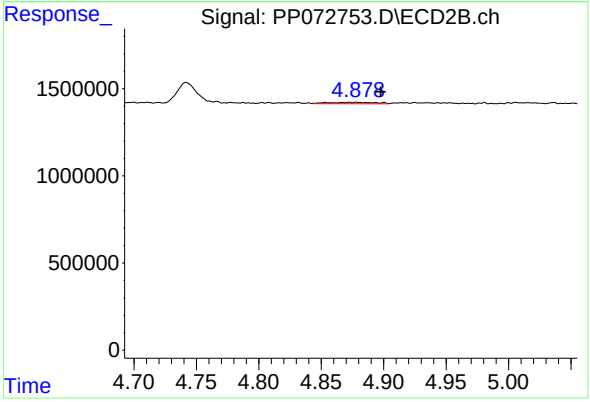
#11 AR-1232-1

R.T.: 4.176 min
Delta R.T.: 0.008 min
Response: 48406
Conc: 1.12 ng/ml



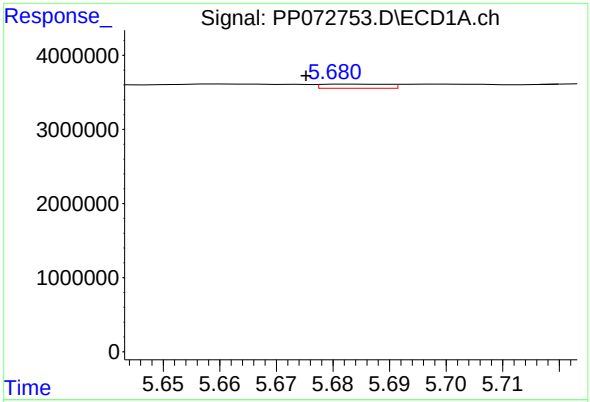
#12 AR-1232-2

R.T.: 5.401 min
Delta R.T.: 0.012 min
Response: 81832
Conc: 3.51 ng/ml



#12 AR-1232-2

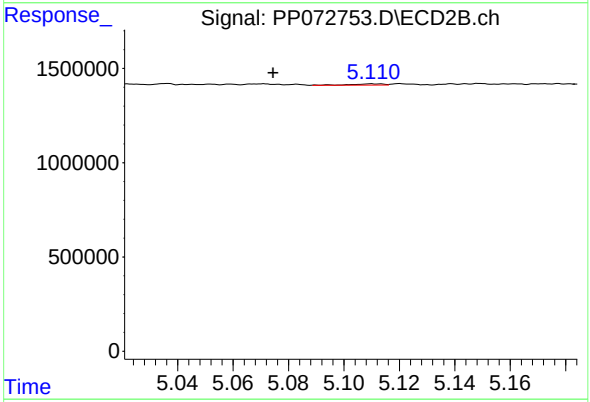
R.T.: 4.873 min
Delta R.T.: -0.025 min
Response: 217538
Conc: 4.92 ng/ml



#13 AR-1232-3

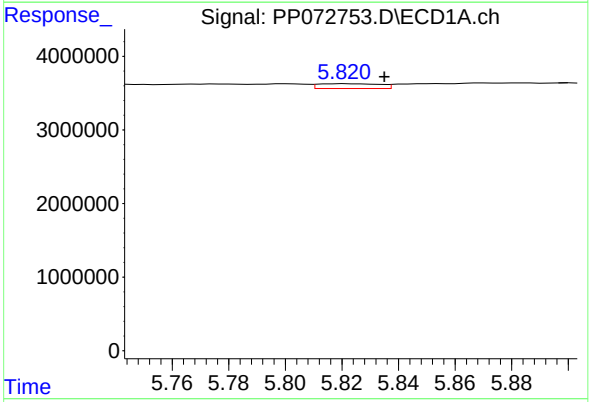
R.T.: 5.684 min
Delta R.T.: 0.009 min
Response: 451660
Conc: 9.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



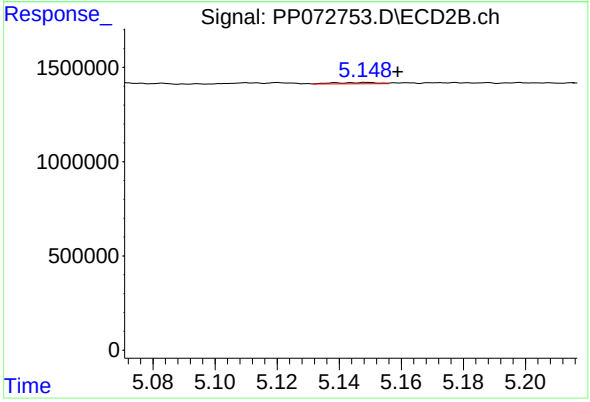
#13 AR-1232-3

R.T.: 5.110 min
Delta R.T.: 0.036 min
Response: 53764
Conc: 2.30 ng/ml



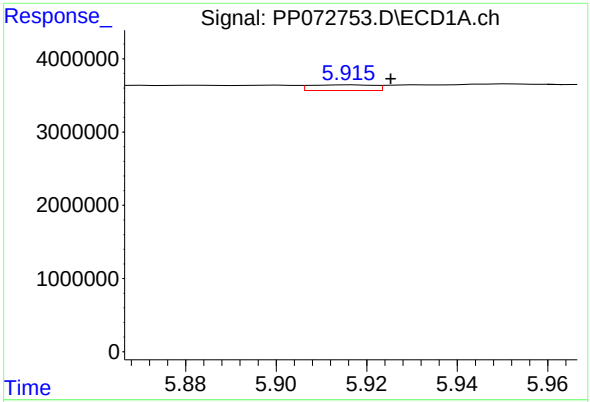
#14 AR-1232-4

R.T.: 5.822 min
Delta R.T.: -0.013 min
Response: 991857
Conc: 39.52 ng/ml



#14 AR-1232-4

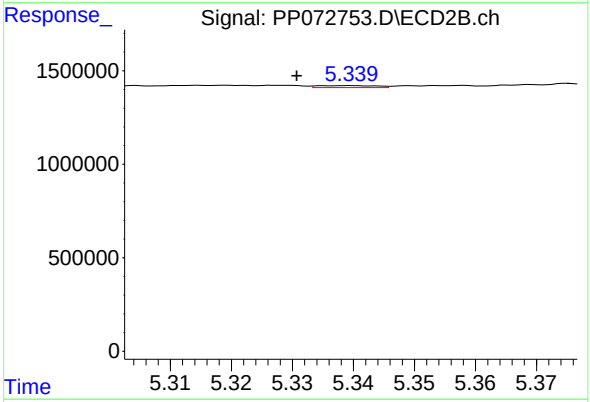
R.T.: 5.149 min
Delta R.T.: -0.010 min
Response: 63922
Conc: 3.09 ng/ml



#15 AR-1232-5

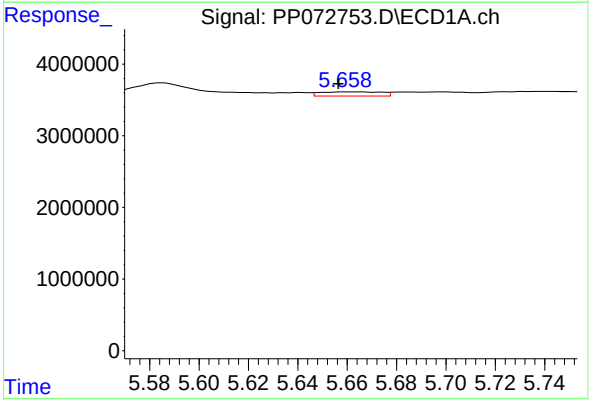
R.T.: 5.916 min
Delta R.T.: -0.009 min
Response: 763367
Conc: 43.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



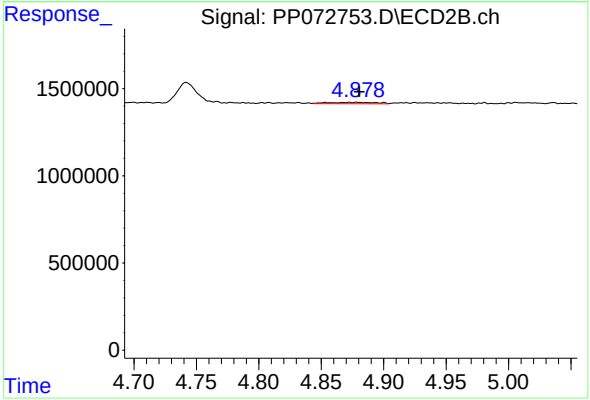
#15 AR-1232-5

R.T.: 5.339 min
Delta R.T.: 0.009 min
Response: 72697
Conc: 3.14 ng/ml



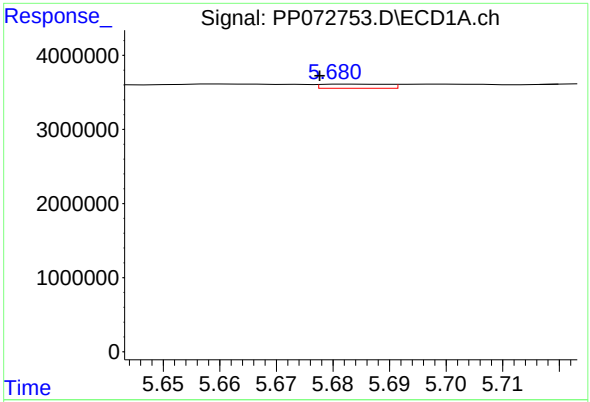
#16 AR-1242-1

R.T.: 5.660 min
Delta R.T.: 0.004 min
Response: 1002655
Conc: 16.02 ng/ml



#16 AR-1242-1

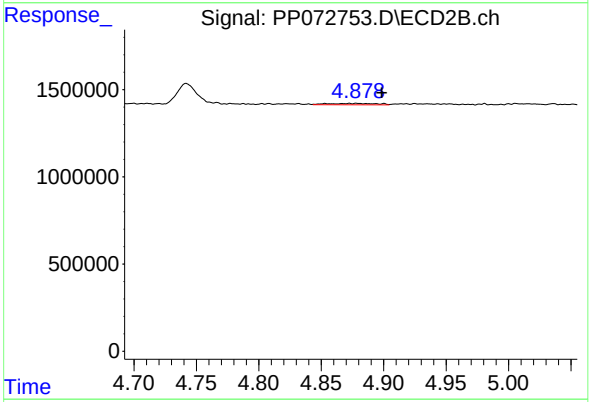
R.T.: 4.873 min
Delta R.T.: -0.008 min
Response: 217538
Conc: 4.17 ng/ml



#17 AR-1242-2

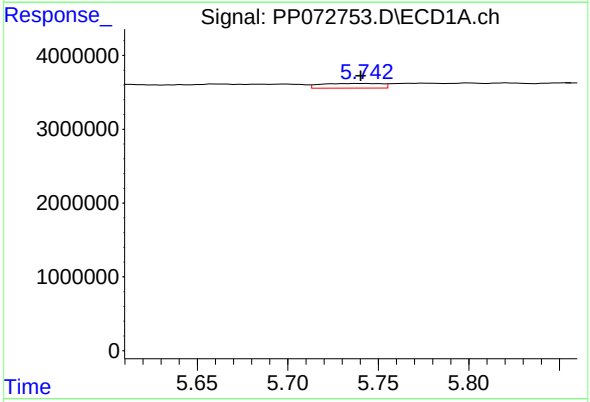
R.T.: 5.684 min
Delta R.T.: 0.006 min
Response: 451660
Conc: 5.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



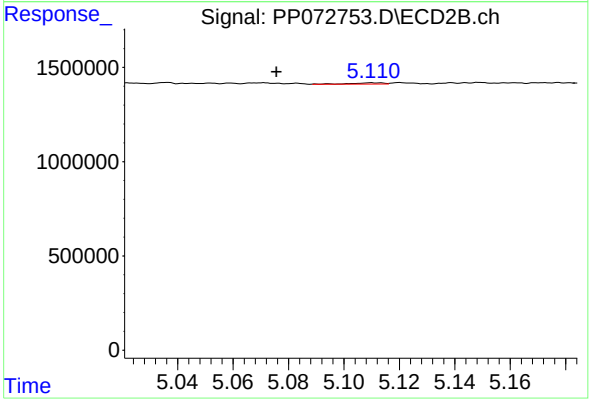
#17 AR-1242-2

R.T.: 4.873 min
Delta R.T.: -0.026 min
Response: 217538
Conc: 2.96 ng/ml



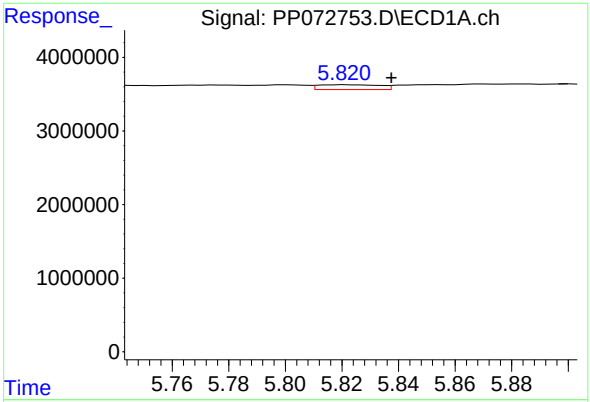
#18 AR-1242-3

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 1437384
Conc: 26.10 ng/ml



#18 AR-1242-3

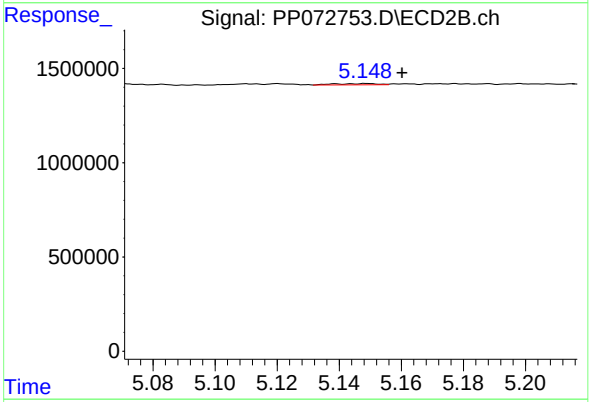
R.T.: 5.110 min
Delta R.T.: 0.035 min
Response: 53764
Conc: 1.37 ng/ml



#19 AR-1242-4

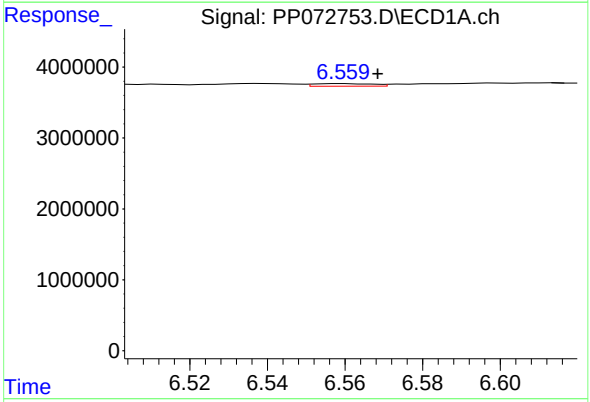
R.T.: 5.822 min
Delta R.T.: -0.016 min
Response: 991857
Conc: 22.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



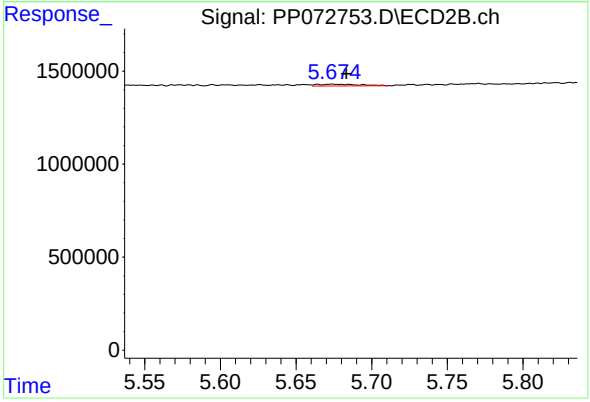
#19 AR-1242-4

R.T.: 5.149 min
Delta R.T.: -0.011 min
Response: 63922
Conc: 1.70 ng/ml



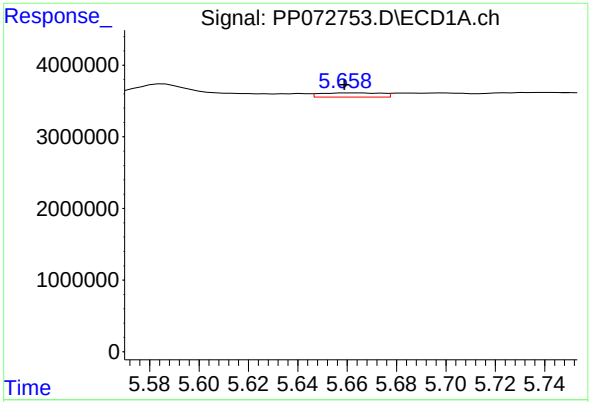
#20 AR-1242-5

R.T.: 6.560 min
Delta R.T.: -0.009 min
Response: 390857
Conc: 7.67 ng/ml



#20 AR-1242-5

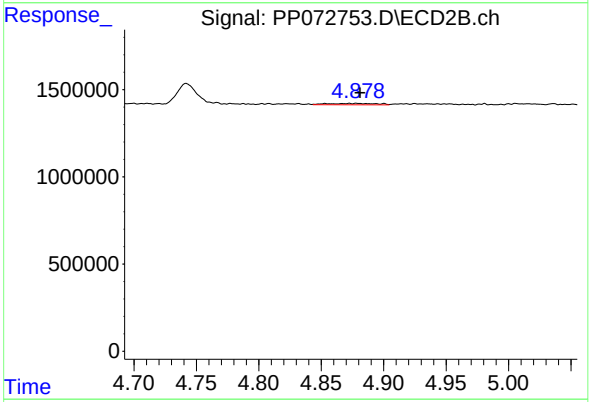
R.T.: 5.674 min
Delta R.T.: -0.009 min
Response: 189499
Conc: 3.93 ng/ml



#21 AR-1248-1

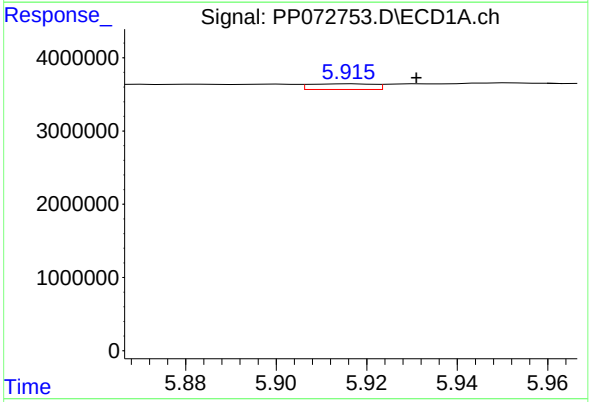
R.T.: 5.660 min
Delta R.T.: 0.002 min
Response: 1002655
Conc: 20.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



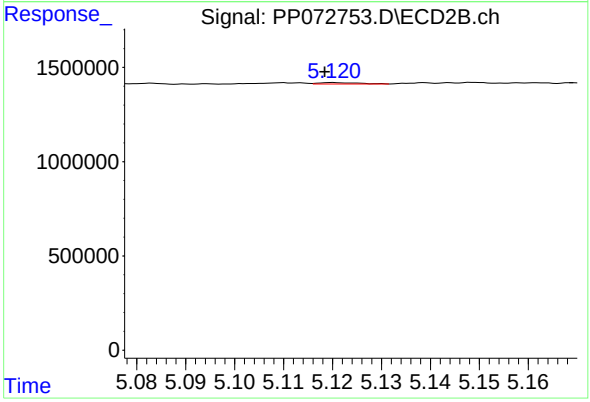
#21 AR-1248-1

R.T.: 4.873 min
Delta R.T.: -0.008 min
Response: 217538
Conc: 5.02 ng/ml



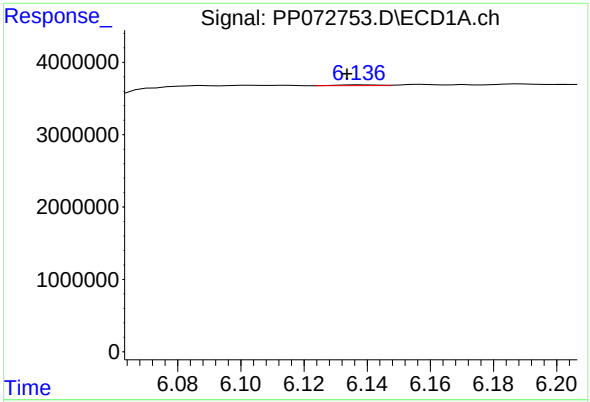
#22 AR-1248-2

R.T.: 5.916 min
Delta R.T.: -0.015 min
Response: 763367
Conc: 12.59 ng/ml



#22 AR-1248-2

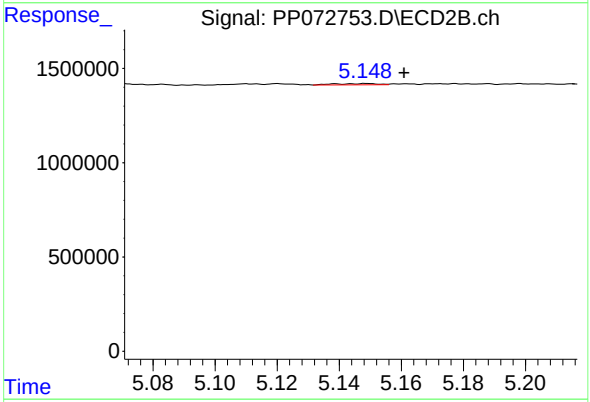
R.T.: 5.120 min
Delta R.T.: 0.002 min
Response: 41174
Conc: 0.73 ng/ml



#23 AR-1248-3

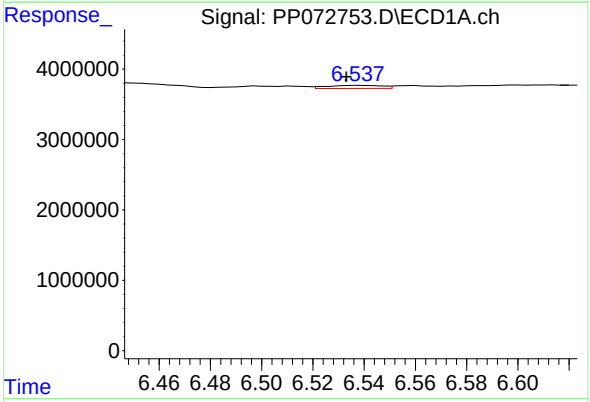
R.T.: 6.138 min
Delta R.T.: 0.004 min
Response: 93266
Conc: 1.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



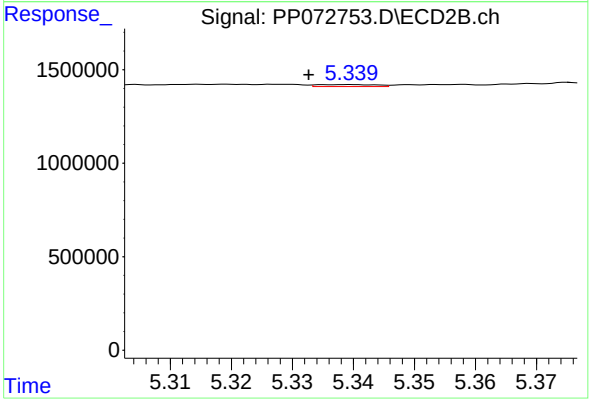
#23 AR-1248-3

R.T.: 5.149 min
Delta R.T.: -0.012 min
Response: 63922
Conc: 1.08 ng/ml



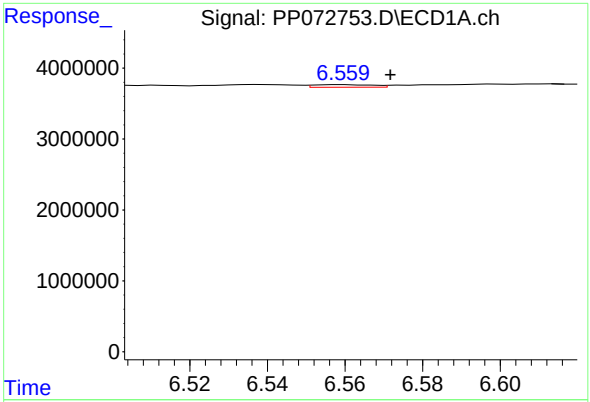
#24 AR-1248-4

R.T.: 6.538 min
Delta R.T.: 0.005 min
Response: 637489
Conc: 7.29 ng/ml



#24 AR-1248-4

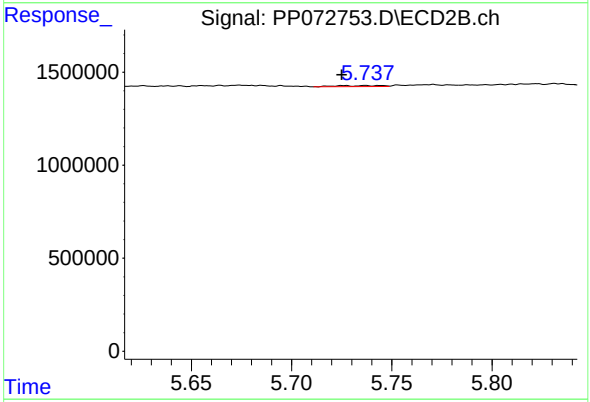
R.T.: 5.339 min
Delta R.T.: 0.007 min
Response: 72697
Conc: 1.04 ng/ml



#25 AR-1248-5

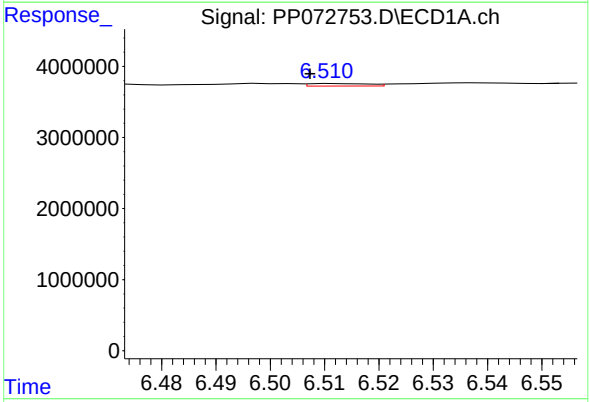
R.T.: 6.560 min
Delta R.T.: -0.012 min
Response: 390857
Conc: 4.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



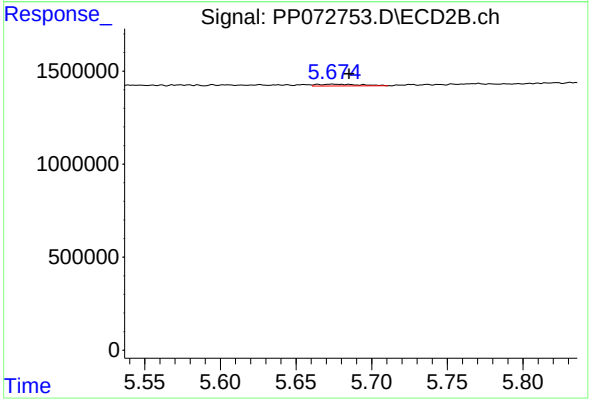
#25 AR-1248-5

R.T.: 5.737 min
Delta R.T.: 0.012 min
Response: 91547
Conc: 1.31 ng/ml



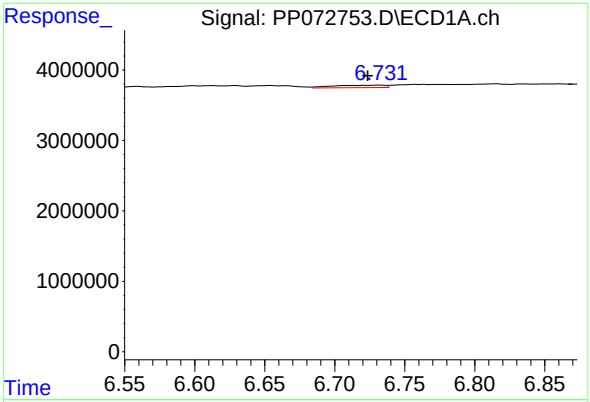
#26 AR-1254-1

R.T.: 6.512 min
Delta R.T.: 0.005 min
Response: 273736
Conc: 3.18 ng/ml



#26 AR-1254-1

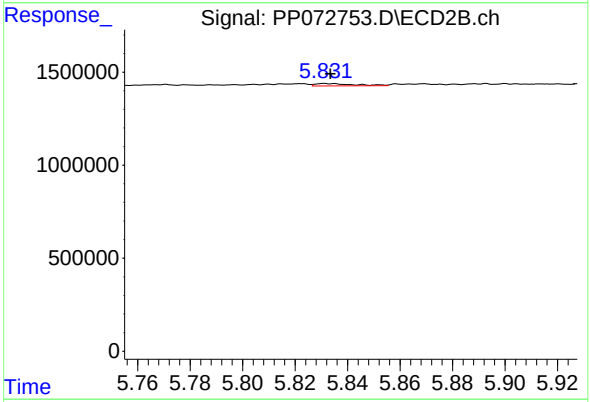
R.T.: 5.674 min
Delta R.T.: -0.011 min
Response: 189499
Conc: 1.90 ng/ml



#27 AR-1254-2

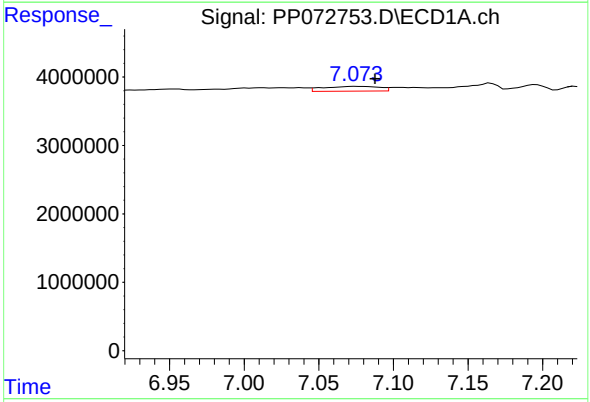
R.T.: 6.732 min
Delta R.T.: 0.009 min
Response: 886011
Conc: 6.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



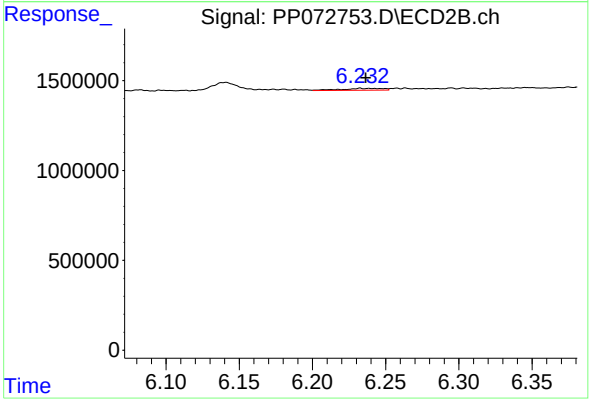
#27 AR-1254-2

R.T.: 5.832 min
Delta R.T.: -0.002 min
Response: 134378
Conc: 1.56 ng/ml



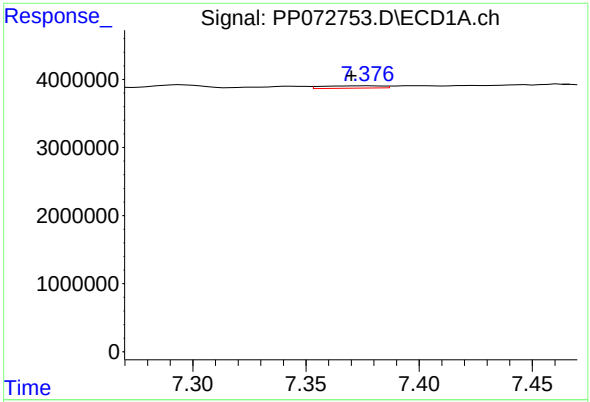
#28 AR-1254-3

R.T.: 7.075 min
Delta R.T.: -0.013 min
Response: 1822136
Conc: 13.80 ng/ml



#28 AR-1254-3

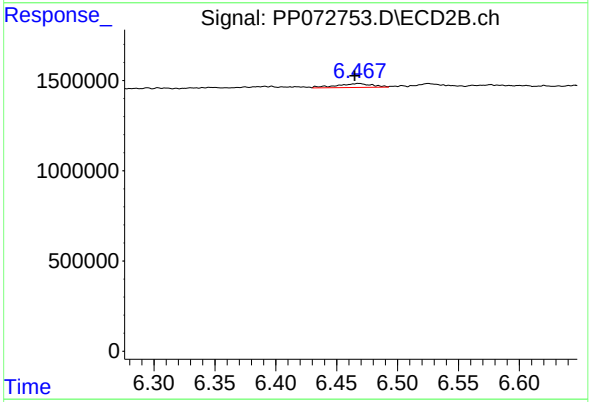
R.T.: 6.233 min
Delta R.T.: -0.004 min
Response: 206223
Conc: 1.60 ng/ml



#29 AR-1254-4

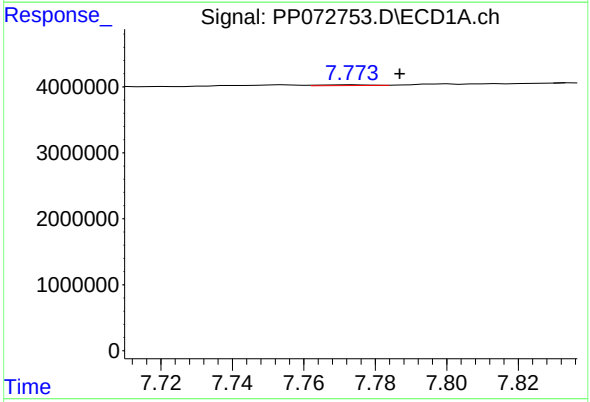
R.T.: 7.377 min
Delta R.T.: 0.007 min
Response: 645880
Conc: 4.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



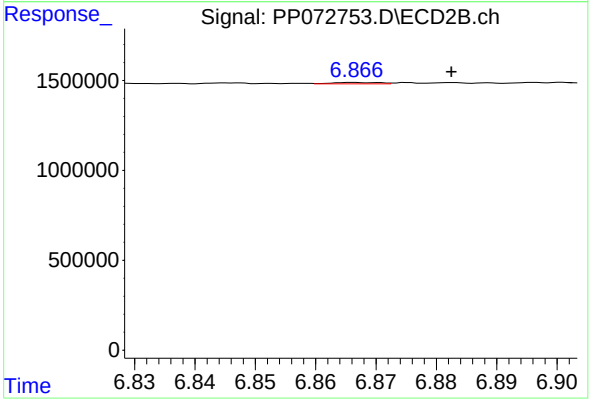
#29 AR-1254-4

R.T.: 6.468 min
Delta R.T.: 0.003 min
Response: 440838
Conc: 5.17 ng/ml



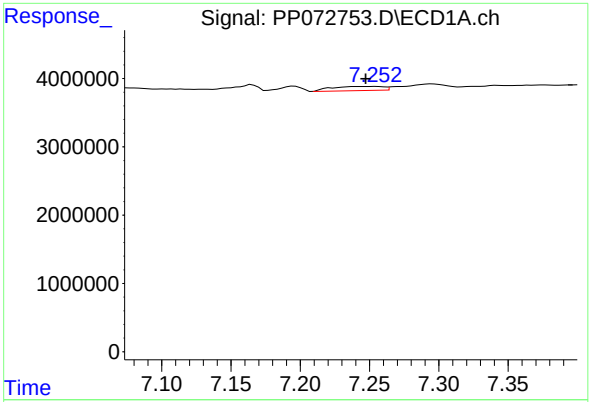
#30 AR-1254-5

R.T.: 7.774 min
Delta R.T.: -0.013 min
Response: 108166
Conc: 0.97 ng/ml



#30 AR-1254-5

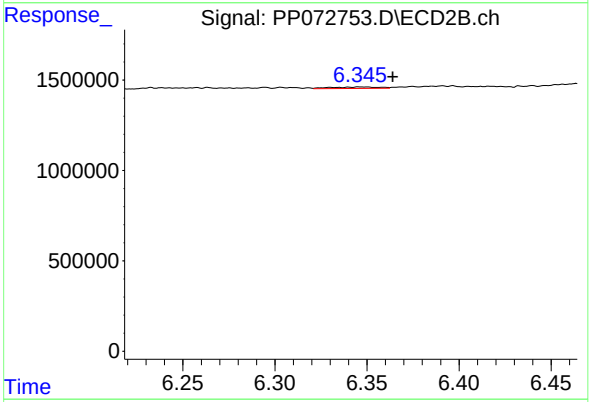
R.T.: 6.866 min
Delta R.T.: -0.016 min
Response: 40581
Conc: 0.36 ng/ml



#31 AR-1260-1

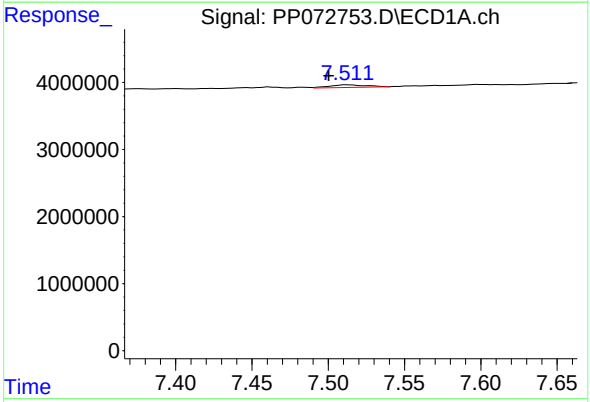
R.T.: 7.253 min
Delta R.T.: 0.006 min
Response: 1594378
Conc: 17.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



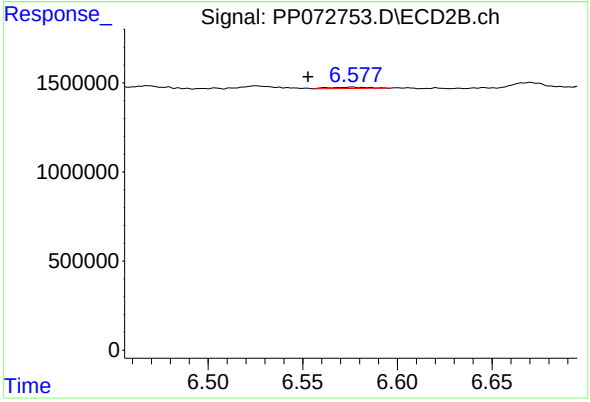
#31 AR-1260-1

R.T.: 6.346 min
Delta R.T.: -0.018 min
Response: 140162
Conc: 1.76 ng/ml



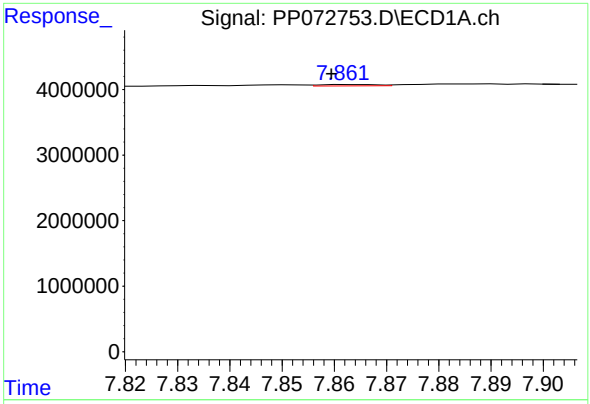
#32 AR-1260-2

R.T.: 7.513 min
Delta R.T.: 0.012 min
Response: 683099
Conc: 4.76 ng/ml



#32 AR-1260-2

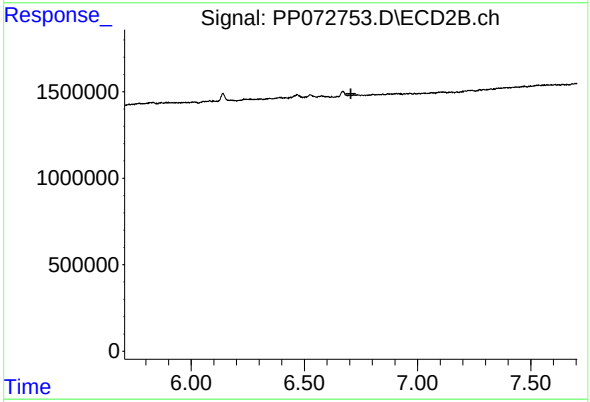
R.T.: 6.576 min
Delta R.T.: 0.023 min
Response: 103697
Conc: 1.02 ng/ml



#33 AR-1260-3

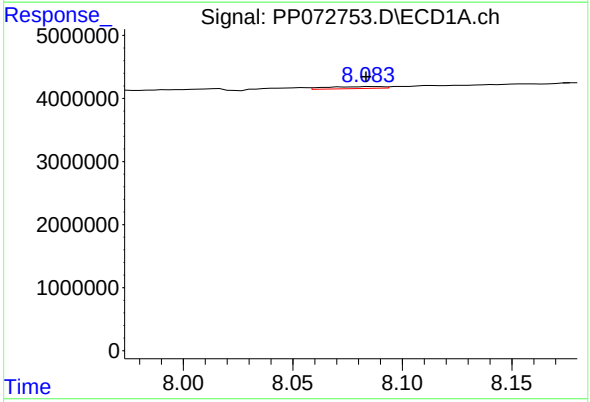
R.T.: 7.863 min
Delta R.T.: 0.004 min
Response: 153351
Conc: 1.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



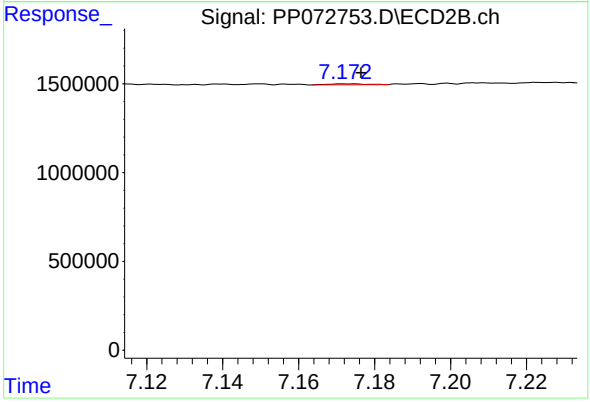
#33 AR-1260-3

R.T.: 0.000 min
Exp R.T. : 6.705 min
Response: 0
Conc: N.D.



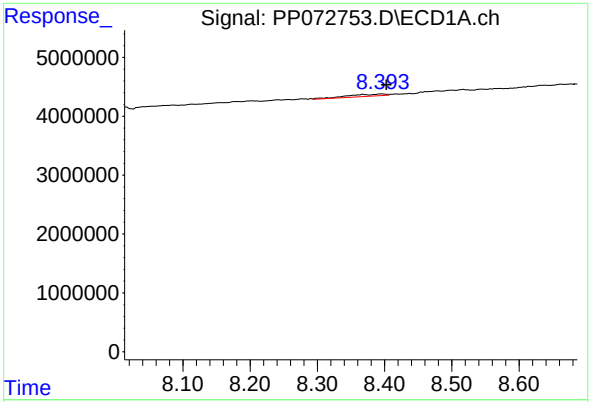
#34 AR-1260-4

R.T.: 8.086 min
Delta R.T.: 0.003 min
Response: 579543
Conc: 5.40 ng/ml



#34 AR-1260-4

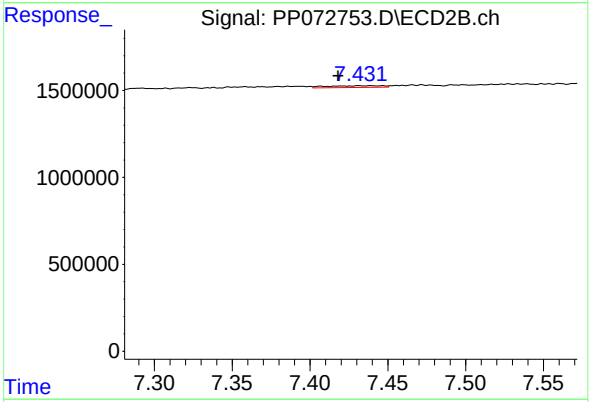
R.T.: 7.173 min
Delta R.T.: -0.004 min
Response: 34151
Conc: 0.47 ng/ml



#35 AR-1260-5

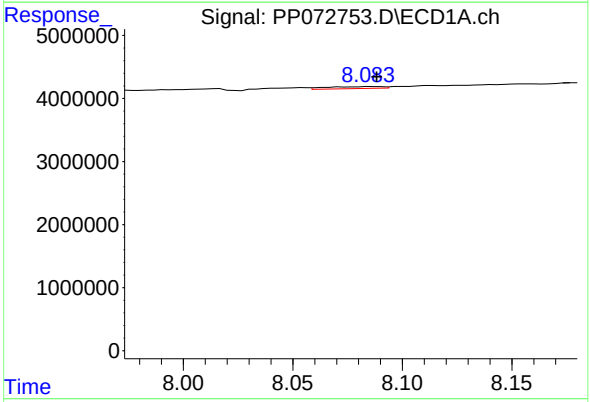
R.T.: 8.396 min
Delta R.T.: -0.007 min
Response: 1365649
Conc: 5.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



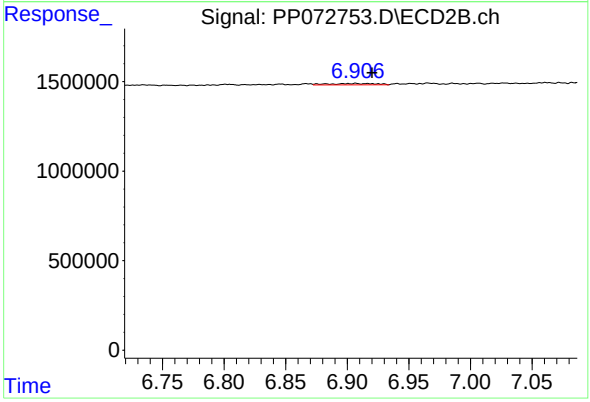
#35 AR-1260-5

R.T.: 7.439 min
Delta R.T.: 0.022 min
Response: 236350
Conc: 1.36 ng/ml



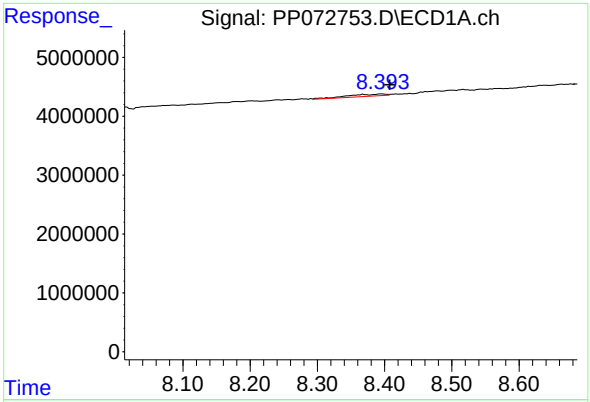
#36 AR-1262-1

R.T.: 8.086 min
Delta R.T.: -0.002 min
Response: 579543
Conc: 4.35 ng/ml



#36 AR-1262-1

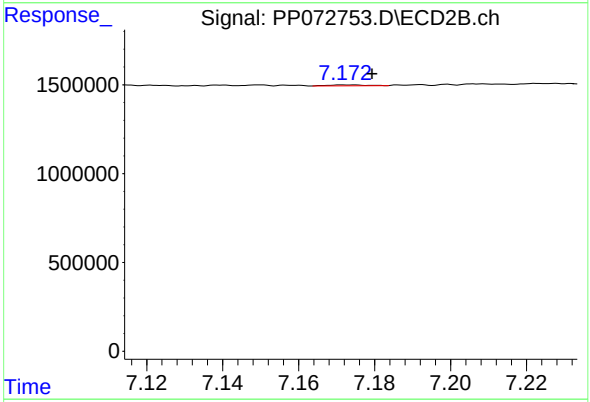
R.T.: 6.907 min
Delta R.T.: -0.013 min
Response: 197325
Conc: 1.75 ng/ml



#37 AR-1262-2

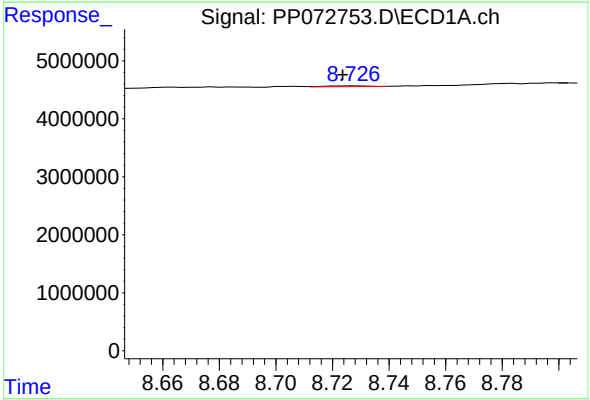
R.T.: 8.396 min
Delta R.T.: -0.012 min
Response: 1365649
Conc: 5.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



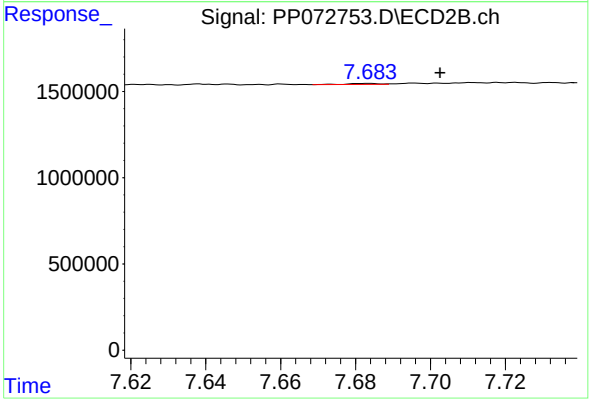
#37 AR-1262-2

R.T.: 7.173 min
Delta R.T.: -0.007 min
Response: 34151
Conc: 0.35 ng/ml



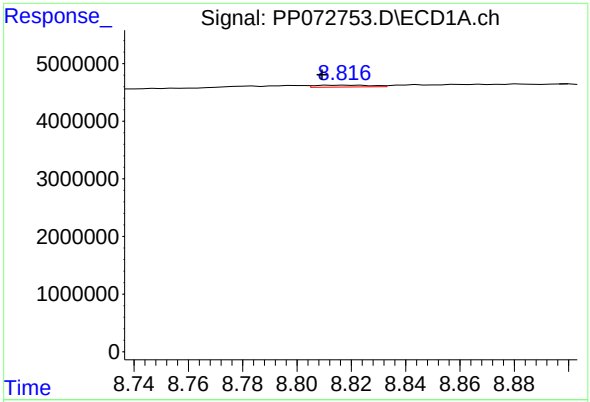
#38 AR-1262-3

R.T.: 8.728 min
Delta R.T.: 0.004 min
Response: 145714
Conc: 0.79 ng/ml



#38 AR-1262-3

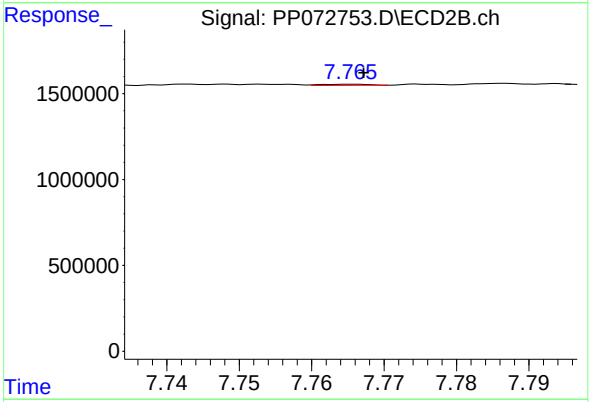
R.T.: 7.683 min
Delta R.T.: -0.020 min
Response: 33726
Conc: 0.41 ng/ml



#39 AR-1262-4

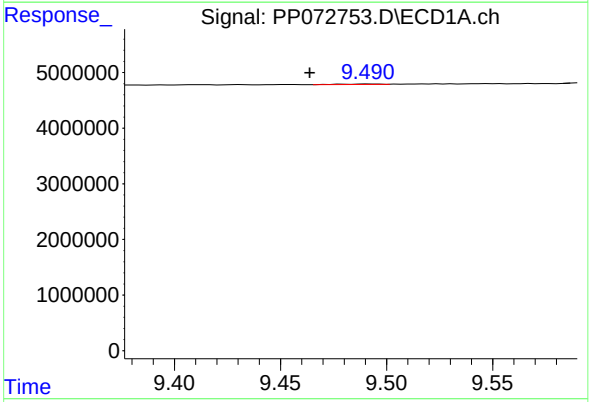
R.T.: 8.817 min
Delta R.T.: 0.008 min
Response: 463850
Conc: 3.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



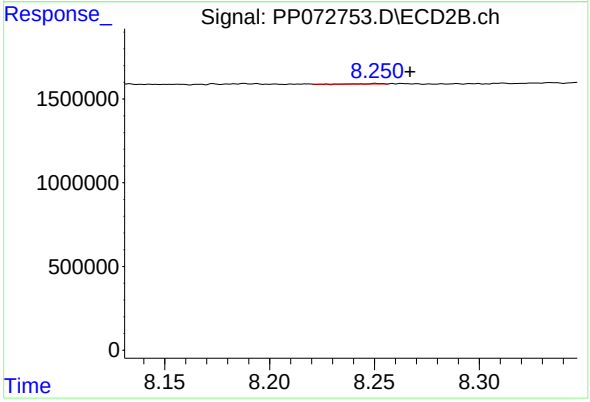
#39 AR-1262-4

R.T.: 7.765 min
Delta R.T.: -0.002 min
Response: 29637
Conc: 0.21 ng/ml



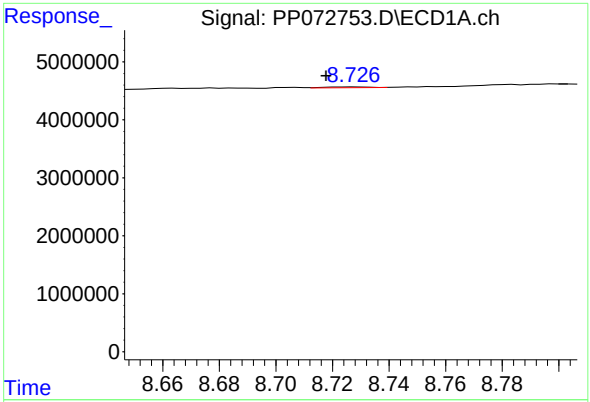
#40 AR-1262-5

R.T.: 9.492 min
Delta R.T.: 0.029 min
Response: 119853
Conc: 1.30 ng/ml



#40 AR-1262-5

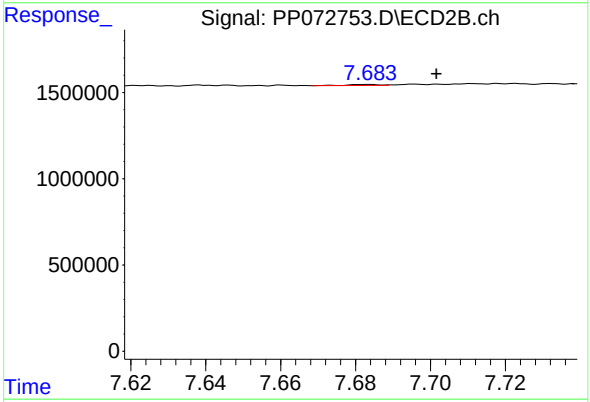
R.T.: 8.251 min
Delta R.T.: -0.016 min
Response: 7323
Conc: 0.11 ng/ml



#41 AR-1268-1

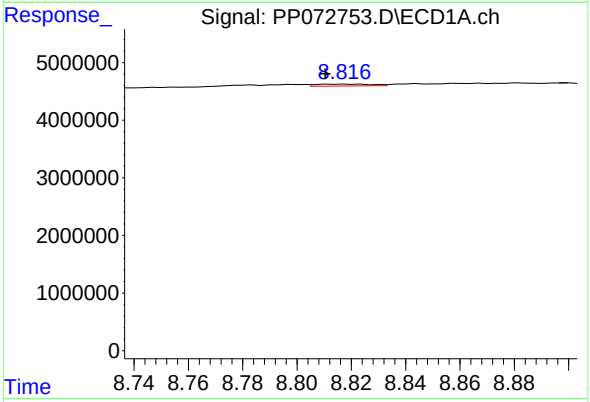
R.T.: 8.728 min
Delta R.T.: 0.010 min
Response: 145714
Conc: 0.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



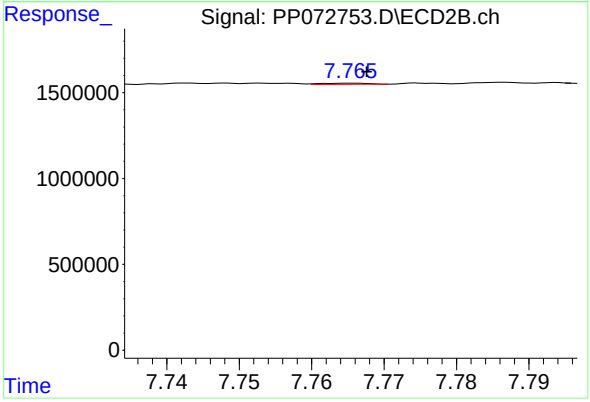
#41 AR-1268-1

R.T.: 7.683 min
Delta R.T.: -0.019 min
Response: 33726
Conc: 0.14 ng/ml



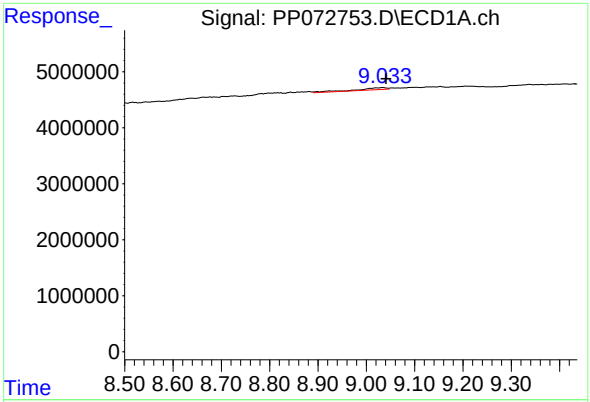
#42 AR-1268-2

R.T.: 8.817 min
Delta R.T.: 0.007 min
Response: 463850
Conc: 1.66 ng/ml



#42 AR-1268-2

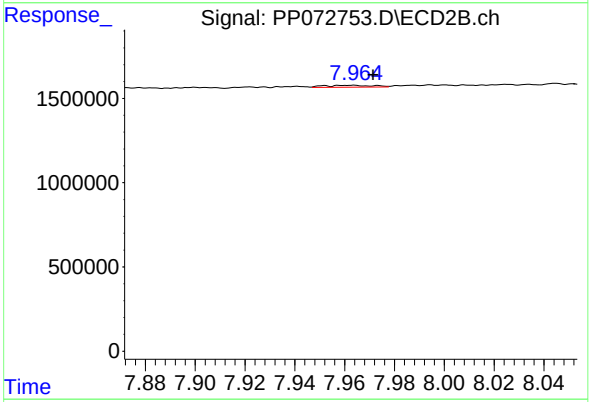
R.T.: 7.765 min
Delta R.T.: -0.002 min
Response: 29637
Conc: 0.14 ng/ml



#43 AR-1268-3

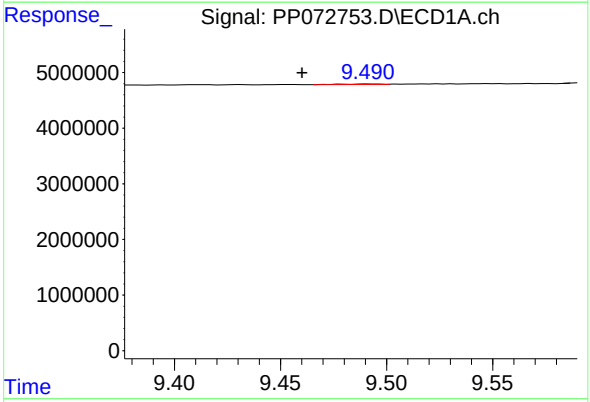
R.T.: 9.034 min
Delta R.T.: -0.007 min
Response: 1604653
Conc: 6.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



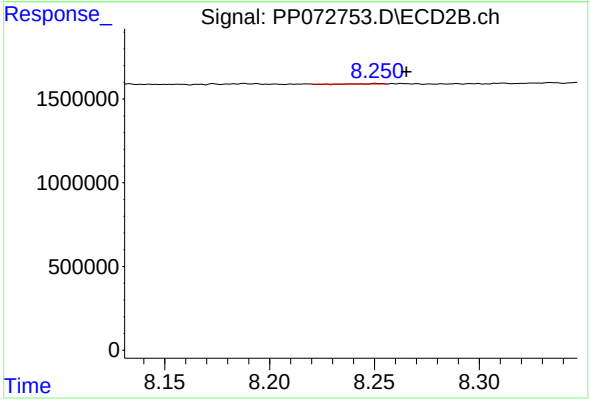
#43 AR-1268-3

R.T.: 7.963 min
Delta R.T.: -0.008 min
Response: 150775
Conc: 0.89 ng/ml



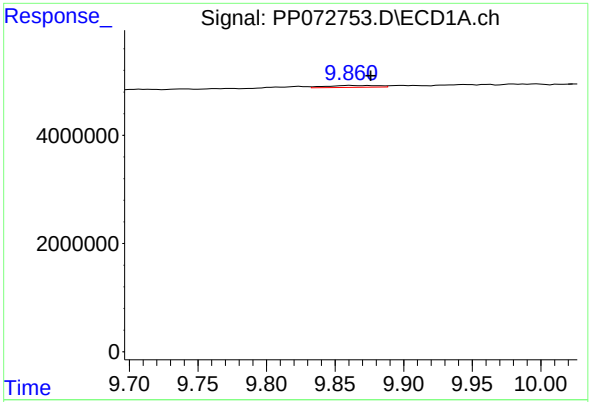
#44 AR-1268-4

R.T.: 9.492 min
Delta R.T.: 0.032 min
Response: 119853
Conc: 1.14 ng/ml



#44 AR-1268-4

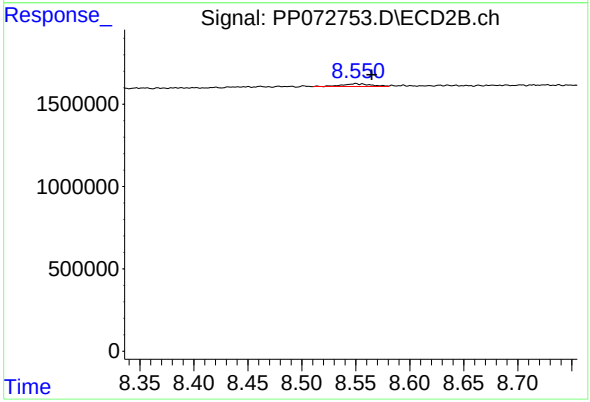
R.T.: 8.251 min
Delta R.T.: -0.014 min
Response: 7323
Conc: 0.10 ng/ml



#45 AR-1268-5

R.T.: 9.861 min
Delta R.T.: -0.015 min
Response: 927950
Conc: 1.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



#45 AR-1268-5

R.T.: 8.550 min
Delta R.T.: -0.015 min
Response: 293301
Conc: 0.64 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:12
Operator : YP\AJ
Sample : Q2259-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.499	3.793	44370194	39462397	22.066	24.689	
2)	SA Decachlor...	10.198	8.807	35151752	25501529	21.577	24.090	
	Target Compounds							
3)	L1 AR-1016-1	5.649	4.878	238935	57996	3.182	0.944	#
4)	L1 AR-1016-2	5.673	4.891	273575	147624	2.557	1.682	#
5)	L1 AR-1016-3	5.735	5.062	190794	188720	2.910	3.960	#
6)	L1 AR-1016-4	5.839	5.115	133326	127152	2.503	3.342	#
7)	L1 AR-1016-5	6.142	5.316	32914	450372	0.673	9.039	#
8)	L2 AR-1221-1	4.701	4.077f	3430866	3543011	131.239	132.151	
9)	L2 AR-1221-2	4.802	4.077	1421293	3543011	69.674	172.536	#
10)	L2 AR-1221-3	4.875	4.169	381149	1252372	6.300	21.267	#
11)	L3 AR-1232-1	4.875	4.169	381149	1252372	8.091	28.893	#
12)	L3 AR-1232-2	5.411	4.891	1334740	147624	57.326	3.341	#
13)	L3 AR-1232-3	5.673	5.062	273575	188720	5.465	8.071	#
14)	L3 AR-1232-4	5.839	5.145	133326	34061	5.312	1.644	#
15)	L3 AR-1232-5	5.931	5.316	340646	450372	19.444	19.451	
16)	L4 AR-1242-1	5.649	4.878	238935	57996	3.817	1.113	#
17)	L4 AR-1242-2	5.673	4.891	273575	147624	3.153	2.009	#
18)	L4 AR-1242-3	5.735	5.062	190794	188720	3.465	4.823	#
19)	L4 AR-1242-4	5.839	5.145	133326	34061	3.006	0.906	#
20)	L4 AR-1242-5	6.533f	5.663	1738823	669749	34.105	13.879	#
21)	L5 AR-1248-1	5.649	4.878	238935	57996	4.937	1.339	#
22)	L5 AR-1248-2	5.931	5.115	340646	127152	5.618	2.251	#
23)	L5 AR-1248-3	6.142	5.145	32914	34061	0.497	0.576	
24)	L5 AR-1248-4	6.533	5.316	1738823	450372	19.897	6.466	#
25)	L5 AR-1248-5	6.533f	5.718	1738823	266904	20.943	3.827	#
26)	L6 AR-1254-1	6.533	5.663	1738823	669749	20.218	6.701	#
27)	L6 AR-1254-2	6.739	5.844	1092913	259686	8.363	3.009	#
28)	L6 AR-1254-3	7.076	6.231	1223622	471365	9.270	3.665	#
29)	L6 AR-1254-4	7.373	6.464	2789757	199983	21.376	2.345	#
30)	L6 AR-1254-5	7.805	6.871	133266	34407	1.198	0.304	#
31)	L7 AR-1260-1	7.243	6.385	2487013	990824	26.572	12.424	#
32)	L7 AR-1260-2	7.454f	6.538	965266	123569	6.727	1.218	#
33)	L7 AR-1260-3	7.839	6.761f	175717	1803088	1.543	20.748	#
34)	L7 AR-1260-4	8.060	7.176	1132555	58689	10.555	0.814	#
35)	L7 AR-1260-5	8.439f	7.414	1117602	248183	4.722	1.429	#
36)	L8 AR-1262-1	8.060	6.924	1132555	242257	8.500	2.143	#
37)	L8 AR-1262-2	8.439	7.176	1117602	58689	4.103	0.604	#
38)	L8 AR-1262-3	8.713	7.723	415813	348808	2.241	4.278	#
39)	L8 AR-1262-4	8.800	7.764	161997	121007	1.206	0.860	#
40)	L8 AR-1262-5	9.498	0.000	114882	0	1.242	N.D.	#
41)	L9 AR-1268-1	8.713	7.723	415813	348808	1.248	1.489	

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:12
Operator : YP\AJ
Sample : Q2259-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.800	7.764	161997	121007	0.579	0.585
43) L9	AR-1268-3	9.043	7.969	107939	27612	0.447	0.163 #
44) L9	AR-1268-4	9.498f	8.197f	114882	855944	1.095	11.732 #
45) L9	AR-1268-5	9.897	8.566	181990	79881	0.269	0.175 #

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

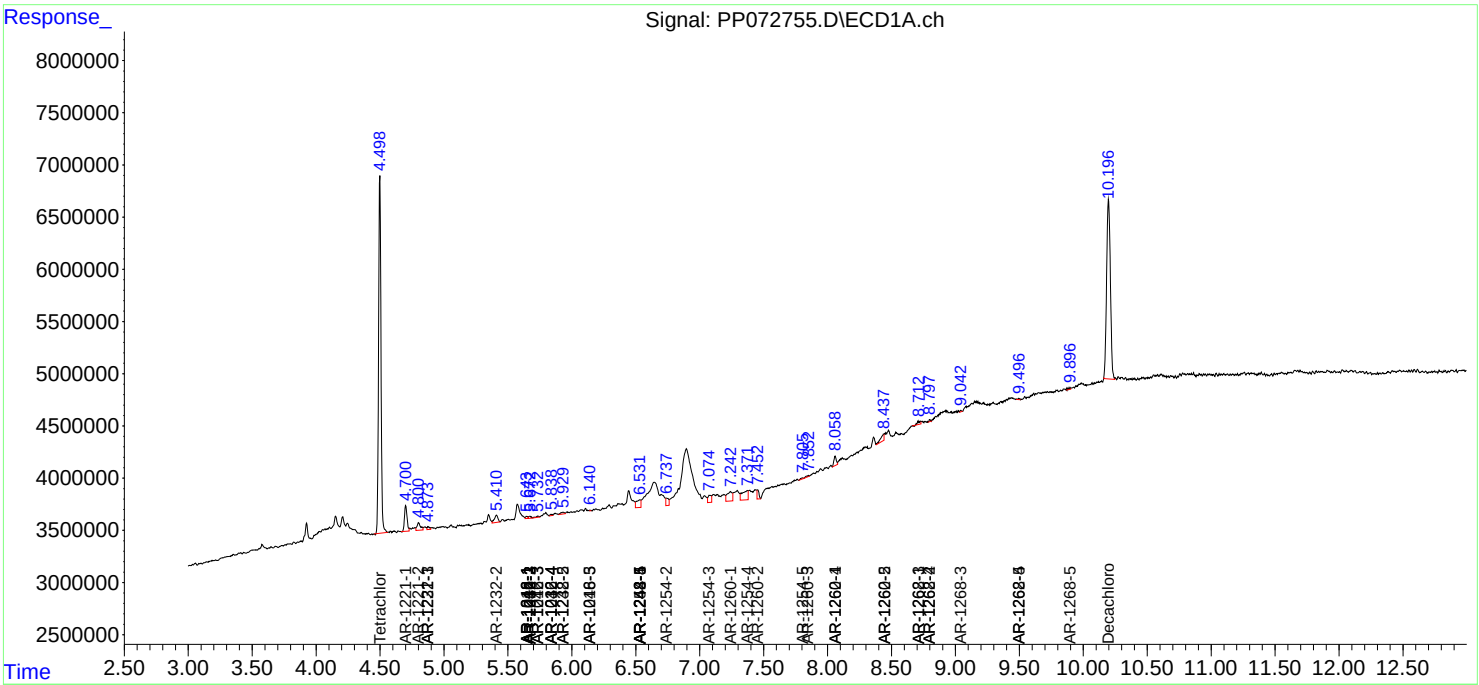
Quantitation Report (Not Reviewed)

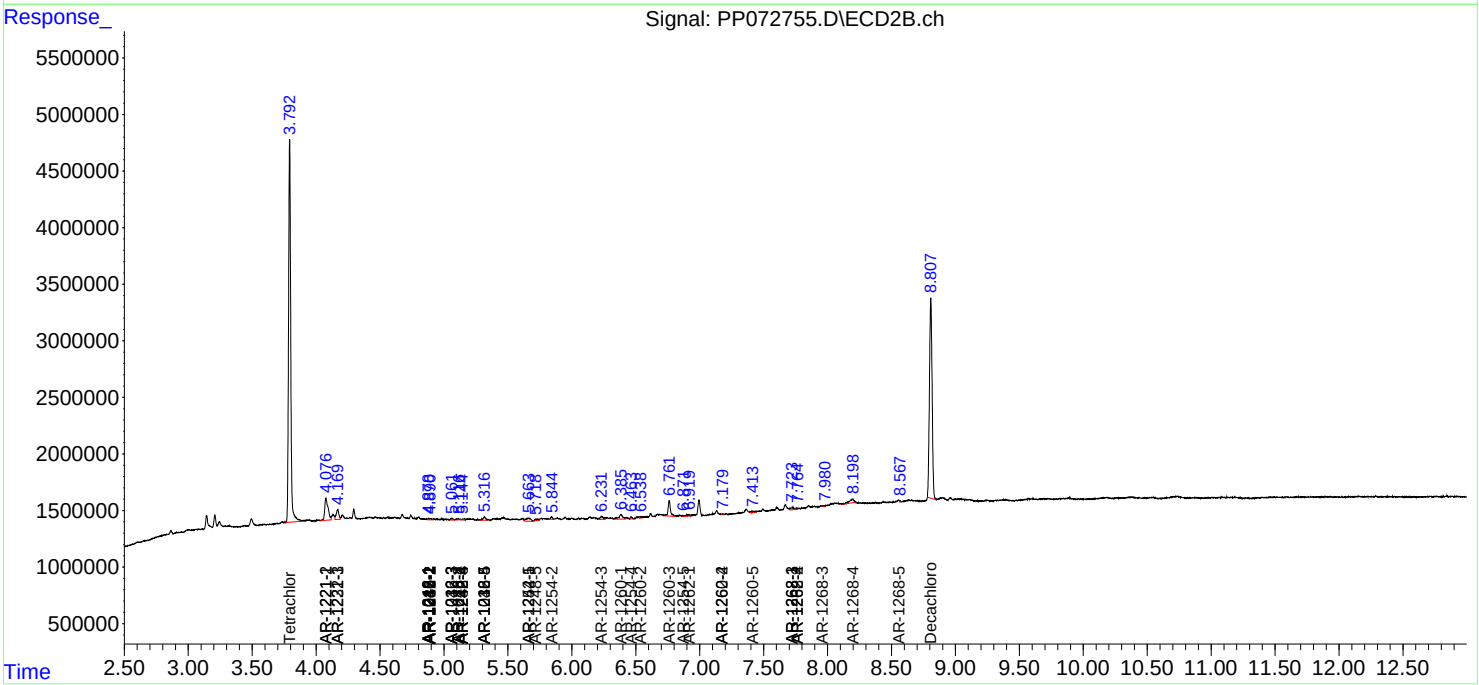
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:12
Operator : YP\AJ
Sample : Q2259-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

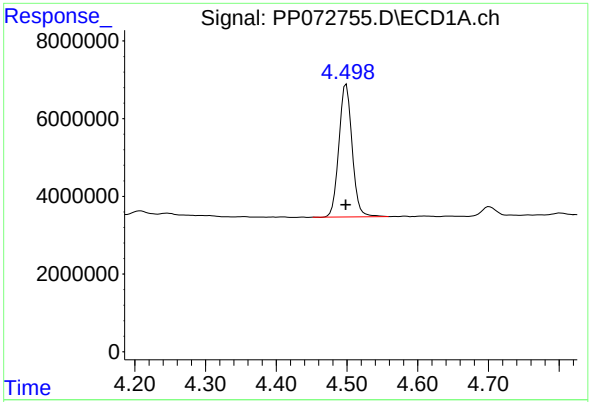
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



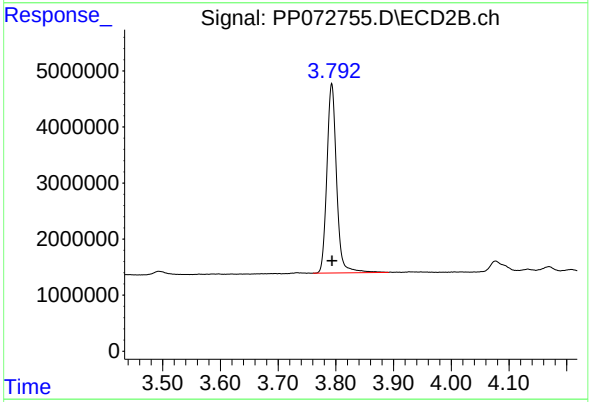




#1 Tetrachloro-m-xylene

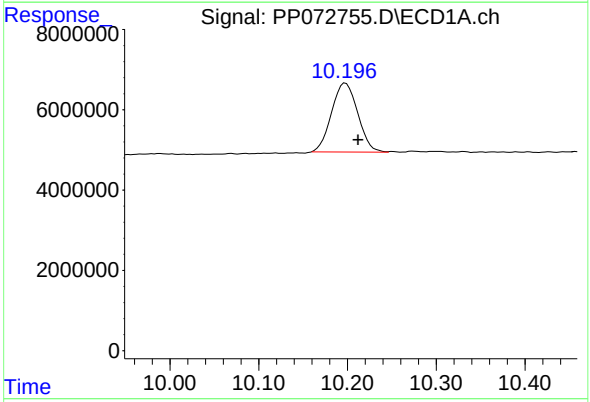
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 44370194
Conc: 22.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



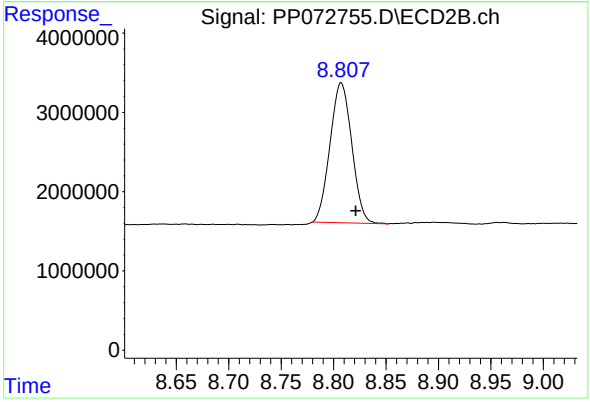
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 39462397
Conc: 24.69 ng/ml



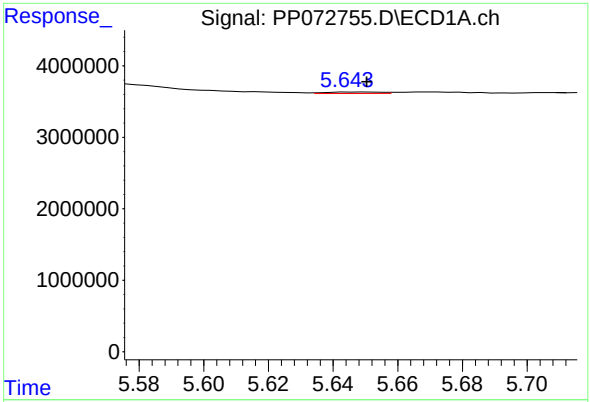
#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 35151752
Conc: 21.58 ng/ml



#2 Decachlorobiphenyl

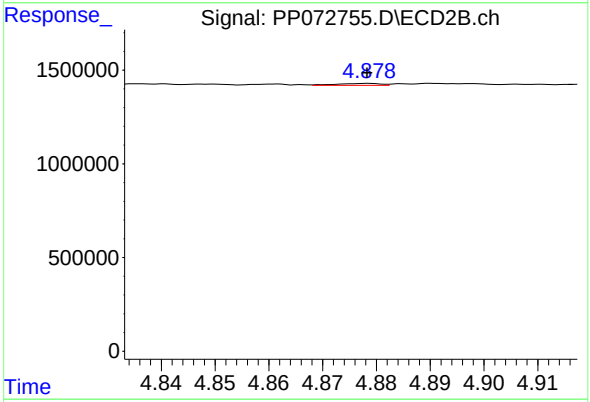
R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 25501529
Conc: 24.09 ng/ml



#3 AR-1016-1

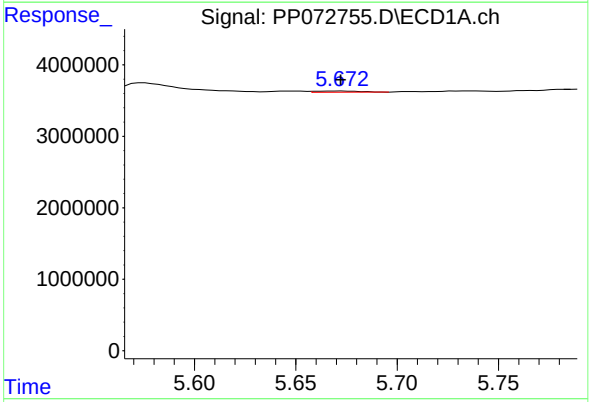
R.T.: 5.649 min
Delta R.T.: -0.001 min
Response: 238935
Conc: 3.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



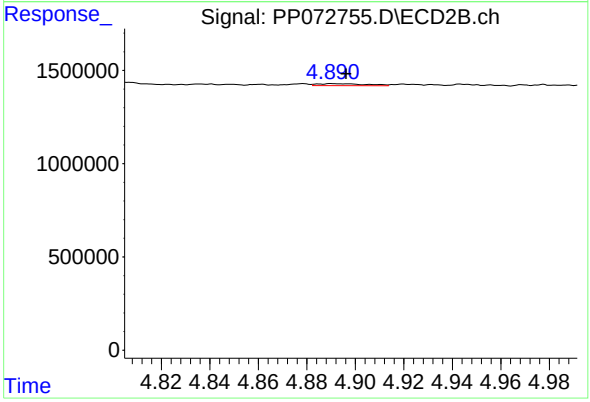
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 57996
Conc: 0.94 ng/ml



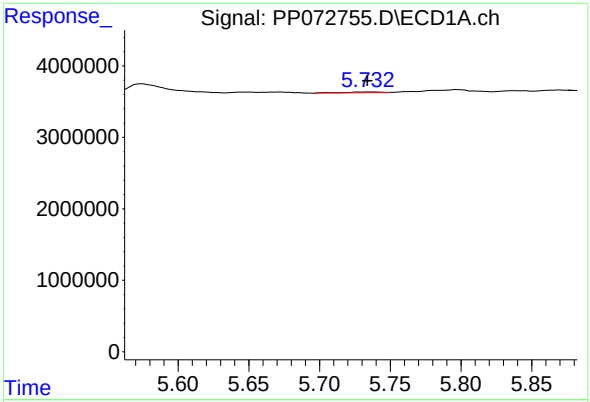
#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 273575
Conc: 2.56 ng/ml



#4 AR-1016-2

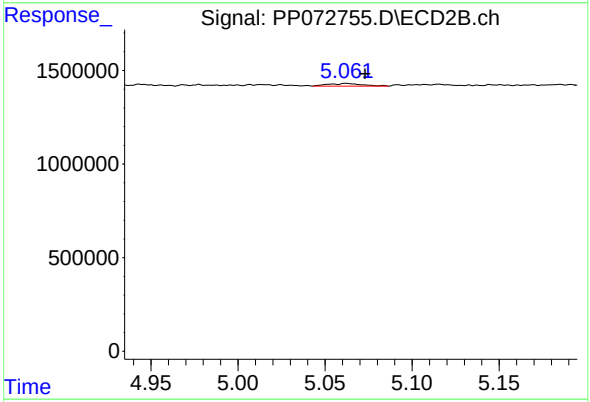
R.T.: 4.891 min
Delta R.T.: -0.005 min
Response: 147624
Conc: 1.68 ng/ml



#5 AR-1016-3

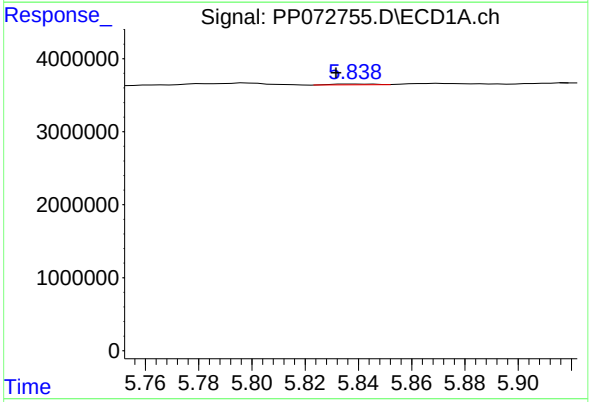
R.T.: 5.735 min
Delta R.T.: 0.000 min
Response: 190794
Conc: 2.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



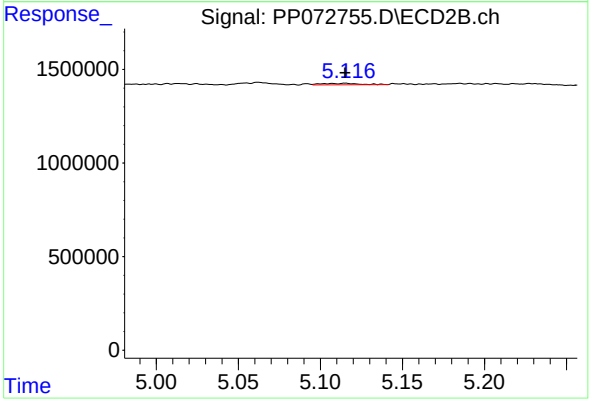
#5 AR-1016-3

R.T.: 5.062 min
Delta R.T.: -0.011 min
Response: 188720
Conc: 3.96 ng/ml



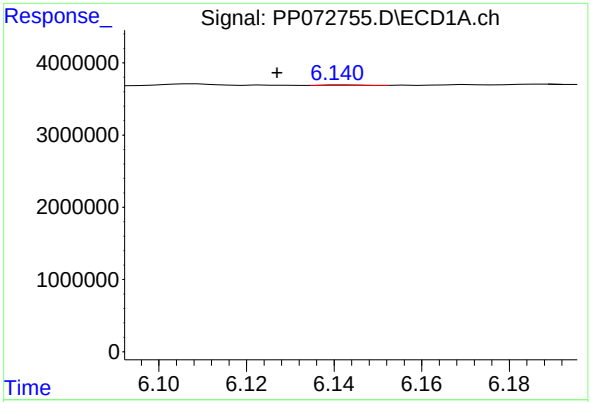
#6 AR-1016-4

R.T.: 5.839 min
Delta R.T.: 0.007 min
Response: 133326
Conc: 2.50 ng/ml



#6 AR-1016-4

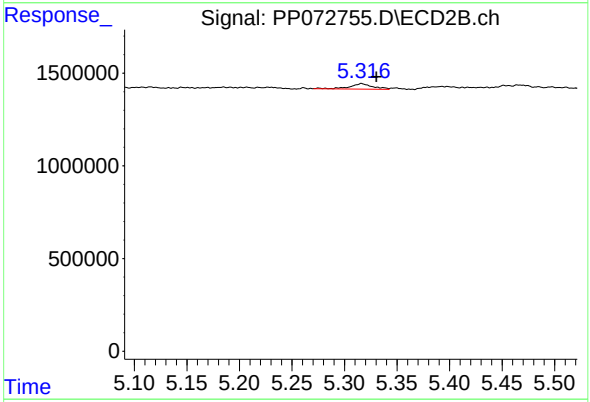
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 127152
Conc: 3.34 ng/ml



#7 AR-1016-5

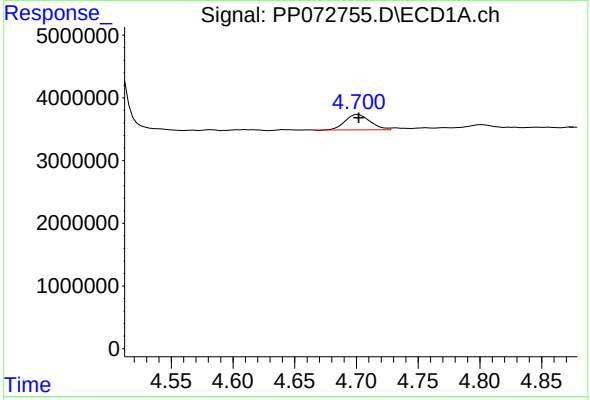
R.T.: 6.142 min
Delta R.T.: 0.015 min
Response: 32914
Conc: 0.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



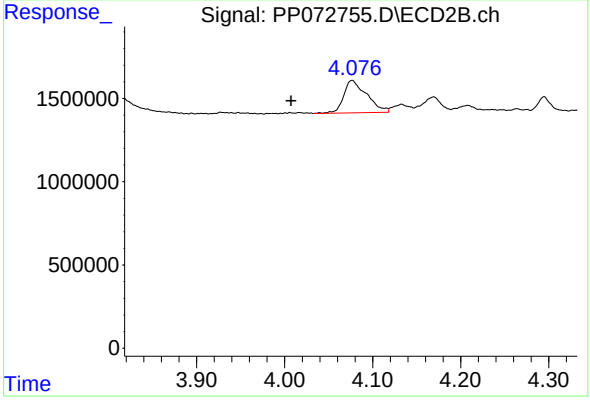
#7 AR-1016-5

R.T.: 5.316 min
Delta R.T.: -0.014 min
Response: 450372
Conc: 9.04 ng/ml



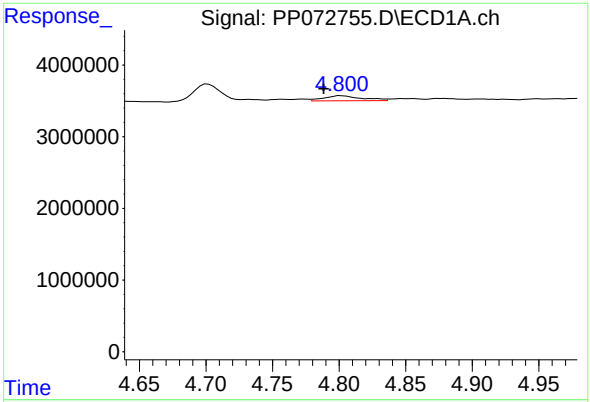
#8 AR-1221-1

R.T.: 4.701 min
Delta R.T.: 0.000 min
Response: 3430866
Conc: 131.24 ng/ml



#8 AR-1221-1

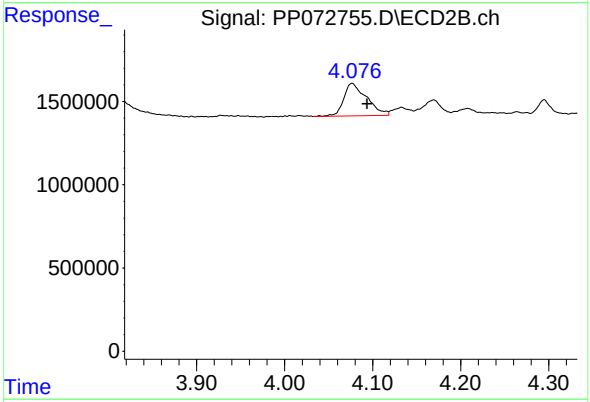
R.T.: 4.077 min
Delta R.T.: 0.069 min
Response: 3543011
Conc: 132.15 ng/ml



#9 AR-1221-2

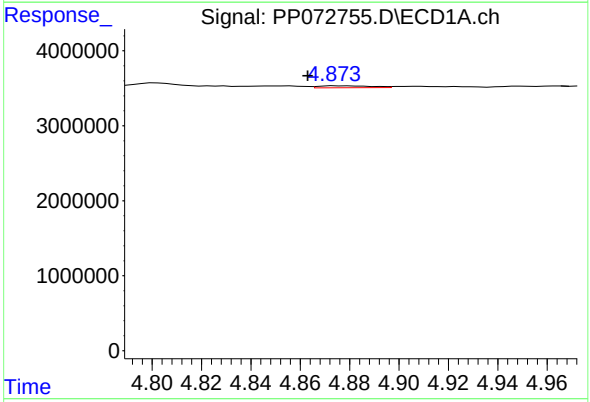
R.T.: 4.802 min
Delta R.T.: 0.013 min
Response: 1421293
Conc: 69.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



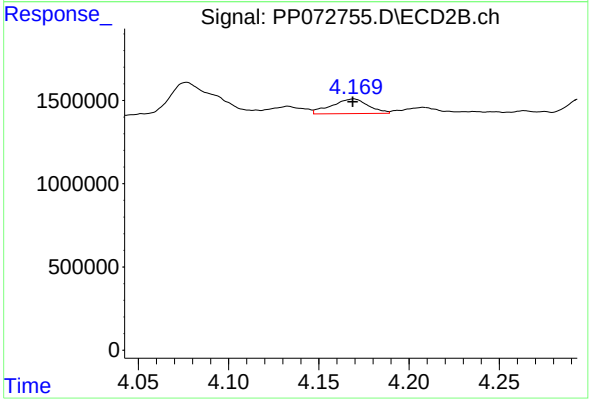
#9 AR-1221-2

R.T.: 4.077 min
Delta R.T.: -0.017 min
Response: 3543011
Conc: 172.54 ng/ml



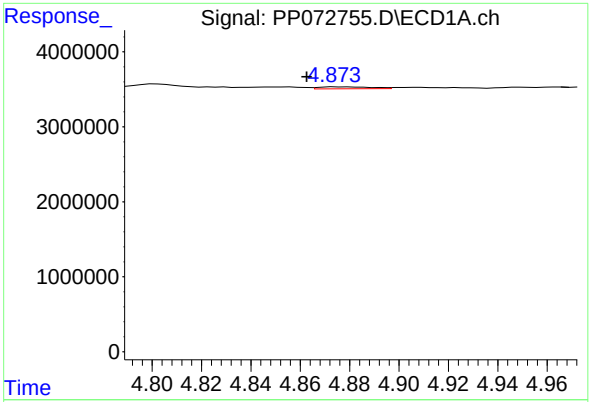
#10 AR-1221-3

R.T.: 4.875 min
Delta R.T.: 0.012 min
Response: 381149
Conc: 6.30 ng/ml



#10 AR-1221-3

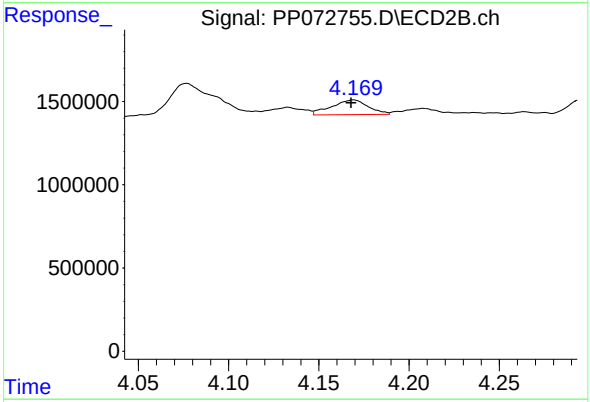
R.T.: 4.169 min
Delta R.T.: 0.000 min
Response: 1252372
Conc: 21.27 ng/ml



#11 AR-1232-1

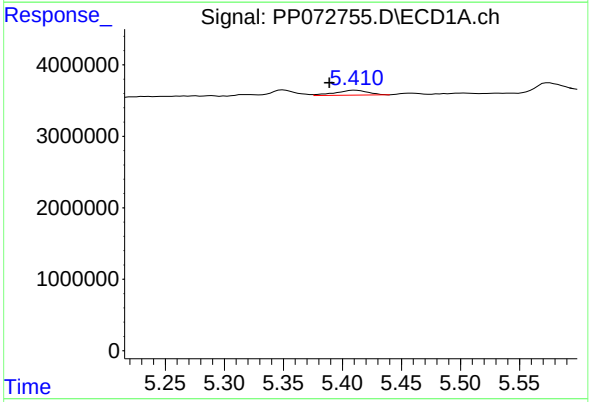
R.T.: 4.875 min
Delta R.T.: 0.012 min
Response: 381149
Conc: 8.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



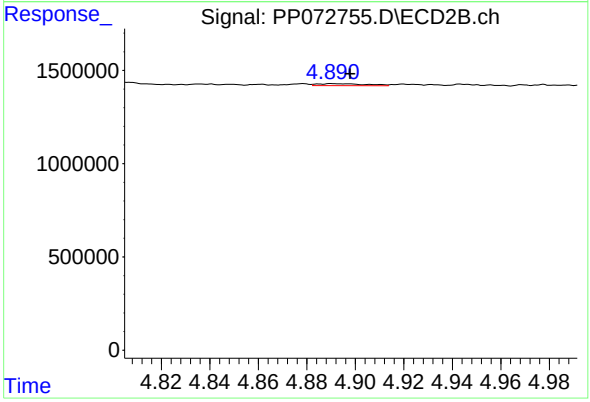
#11 AR-1232-1

R.T.: 4.169 min
Delta R.T.: 0.002 min
Response: 1252372
Conc: 28.89 ng/ml



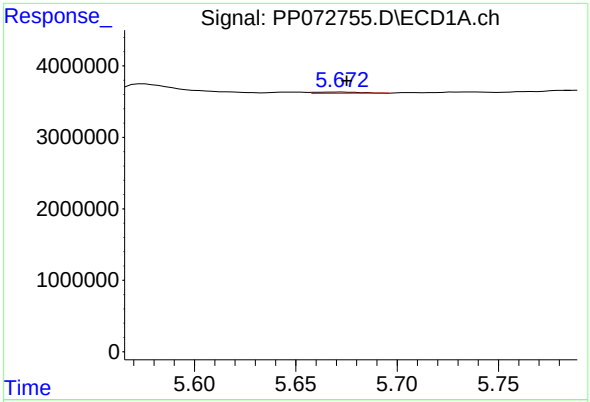
#12 AR-1232-2

R.T.: 5.411 min
Delta R.T.: 0.022 min
Response: 1334740
Conc: 57.33 ng/ml



#12 AR-1232-2

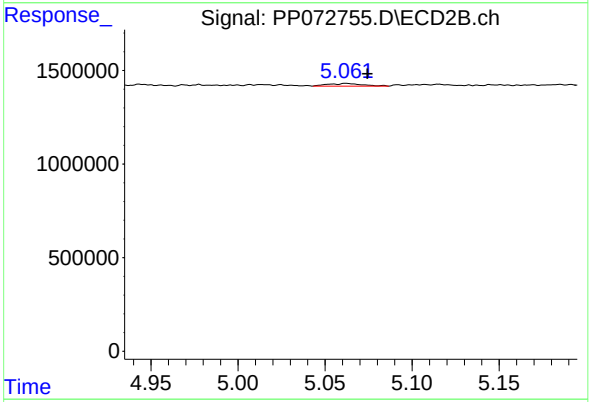
R.T.: 4.891 min
Delta R.T.: -0.007 min
Response: 147624
Conc: 3.34 ng/ml



#13 AR-1232-3

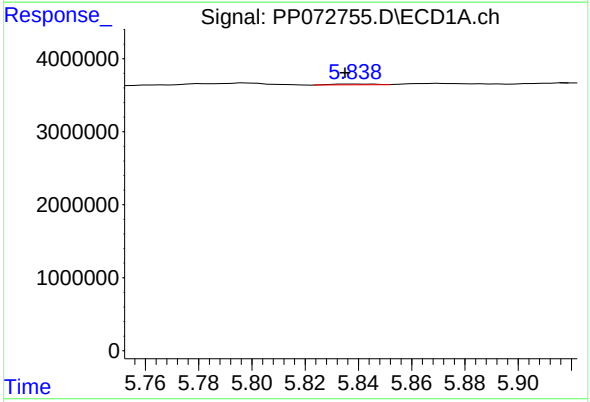
R.T.: 5.673 min
Delta R.T.: -0.002 min
Response: 273575
Conc: 5.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



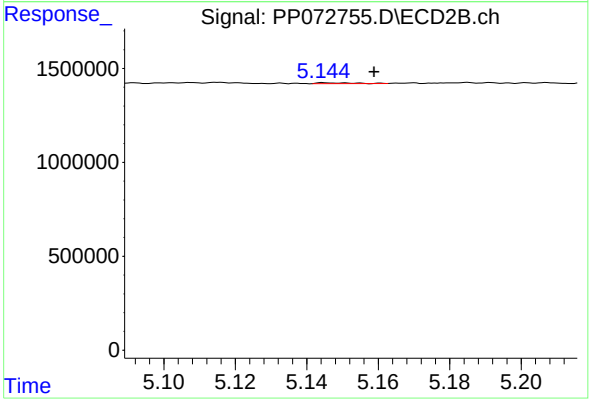
#13 AR-1232-3

R.T.: 5.062 min
Delta R.T.: -0.012 min
Response: 188720
Conc: 8.07 ng/ml



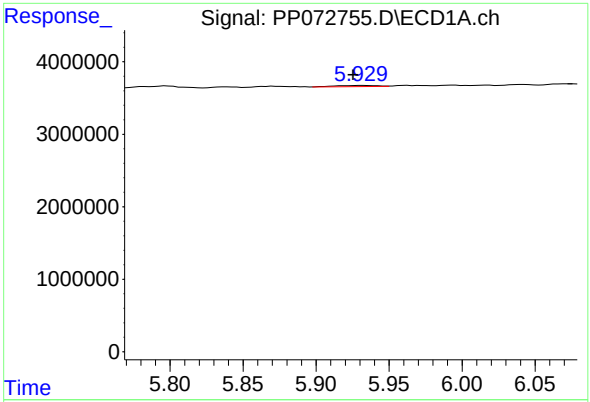
#14 AR-1232-4

R.T.: 5.839 min
Delta R.T.: 0.004 min
Response: 133326
Conc: 5.31 ng/ml



#14 AR-1232-4

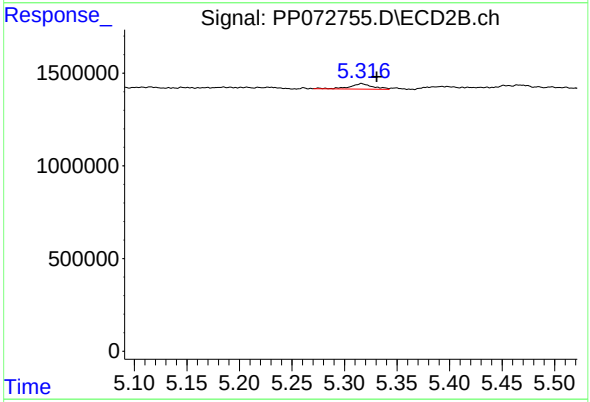
R.T.: 5.145 min
Delta R.T.: -0.014 min
Response: 34061
Conc: 1.64 ng/ml



#15 AR-1232-5

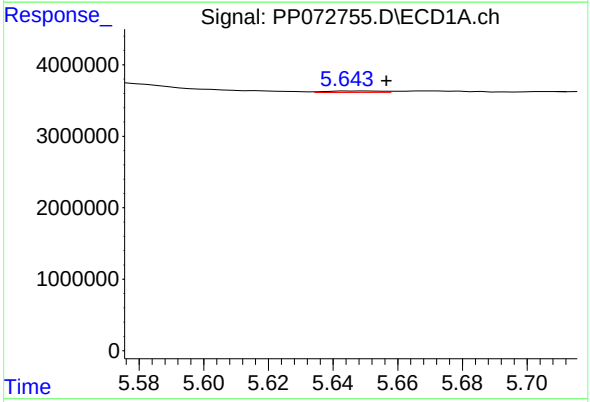
R.T.: 5.931 min
Delta R.T.: 0.006 min
Response: 340646
Conc: 19.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



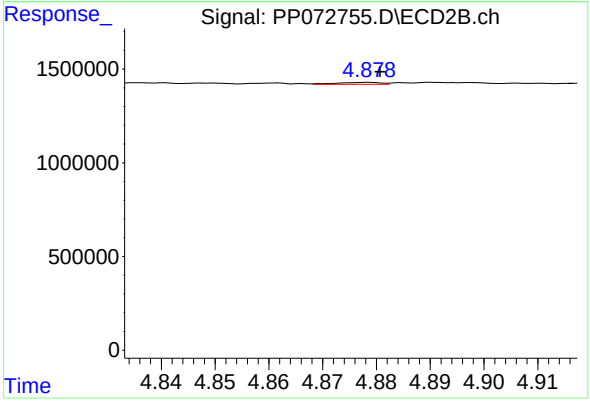
#15 AR-1232-5

R.T.: 5.316 min
Delta R.T.: -0.014 min
Response: 450372
Conc: 19.45 ng/ml



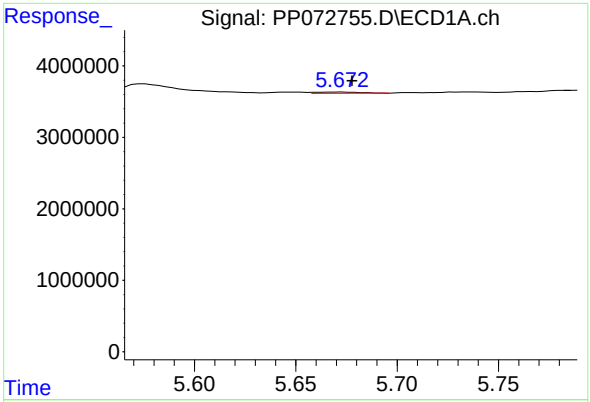
#16 AR-1242-1

R.T.: 5.649 min
Delta R.T.: -0.007 min
Response: 238935
Conc: 3.82 ng/ml



#16 AR-1242-1

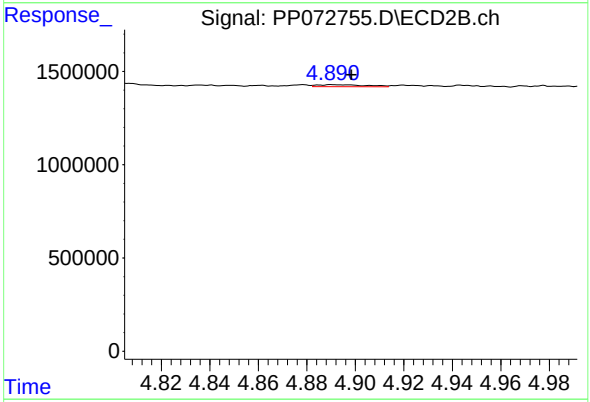
R.T.: 4.878 min
Delta R.T.: -0.002 min
Response: 57996
Conc: 1.11 ng/ml



#17 AR-1242-2

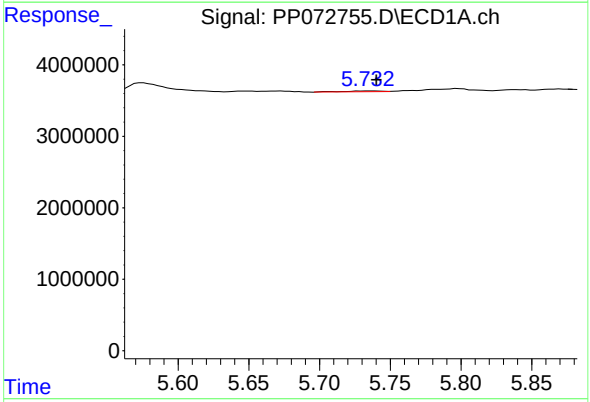
R.T.: 5.673 min
Delta R.T.: -0.005 min
Response: 273575
Conc: 3.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



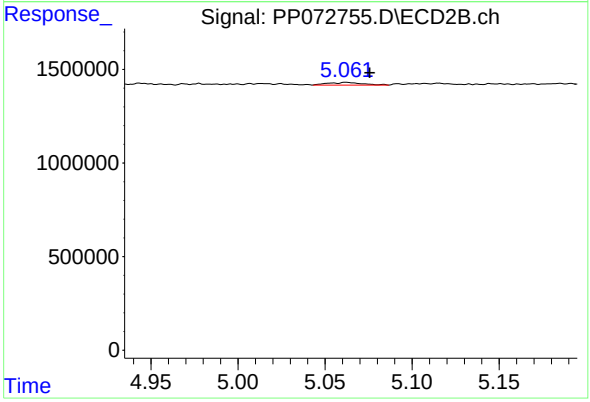
#17 AR-1242-2

R.T.: 4.891 min
Delta R.T.: -0.008 min
Response: 147624
Conc: 2.01 ng/ml



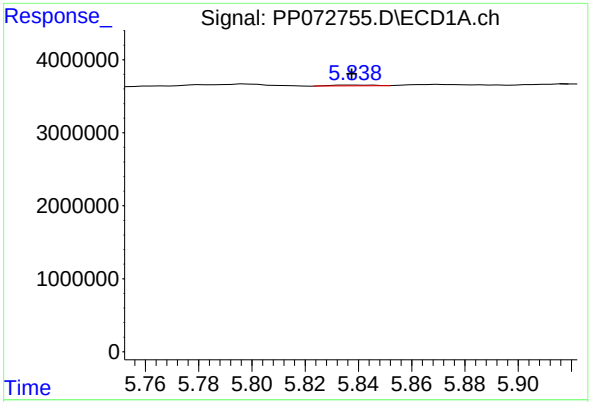
#18 AR-1242-3

R.T.: 5.735 min
Delta R.T.: -0.005 min
Response: 190794
Conc: 3.46 ng/ml



#18 AR-1242-3

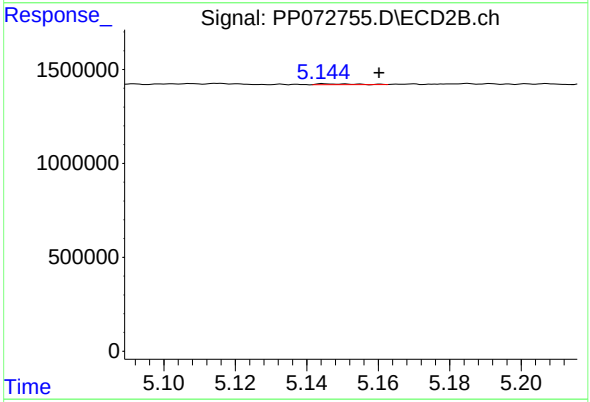
R.T.: 5.062 min
Delta R.T.: -0.013 min
Response: 188720
Conc: 4.82 ng/ml



#19 AR-1242-4

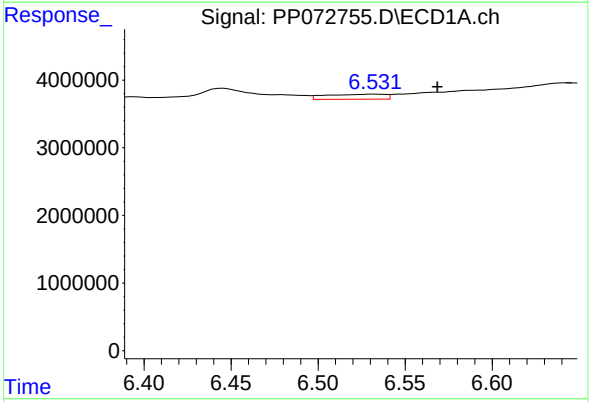
R.T.: 5.839 min
Delta R.T.: 0.002 min
Response: 133326
Conc: 3.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



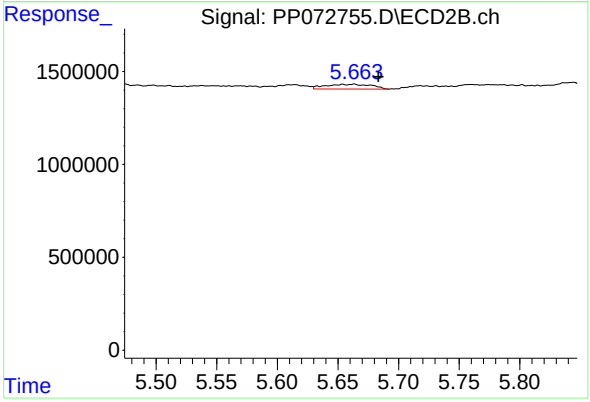
#19 AR-1242-4

R.T.: 5.145 min
Delta R.T.: -0.015 min
Response: 34061
Conc: 0.91 ng/ml



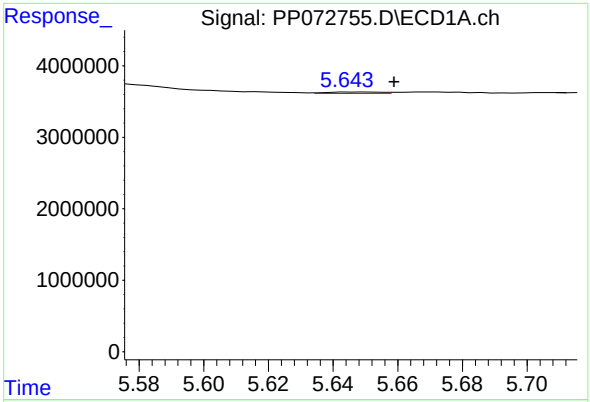
#20 AR-1242-5

R.T.: 6.533 min
Delta R.T.: -0.036 min
Response: 1738823
Conc: 34.10 ng/ml



#20 AR-1242-5

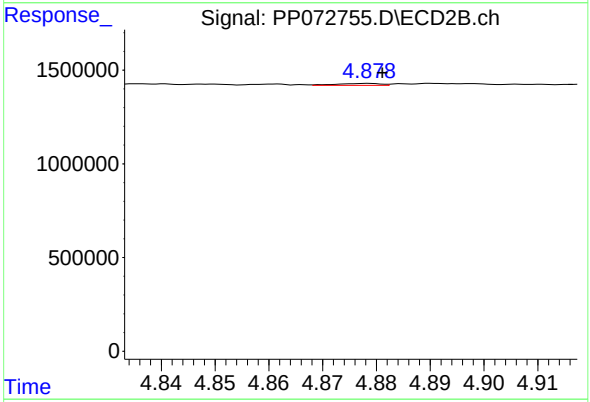
R.T.: 5.663 min
Delta R.T.: -0.020 min
Response: 669749
Conc: 13.88 ng/ml



#21 AR-1248-1

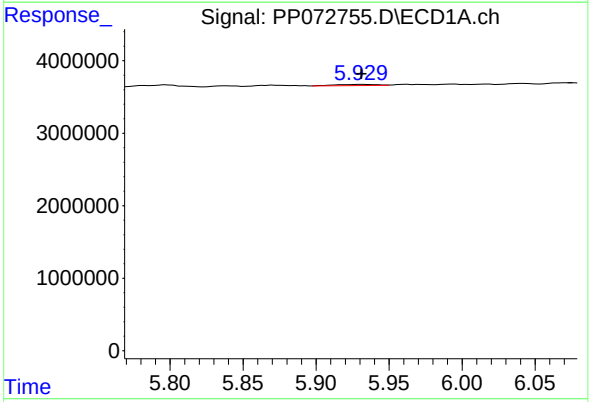
R.T.: 5.649 min
Delta R.T.: -0.010 min
Response: 238935
Conc: 4.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



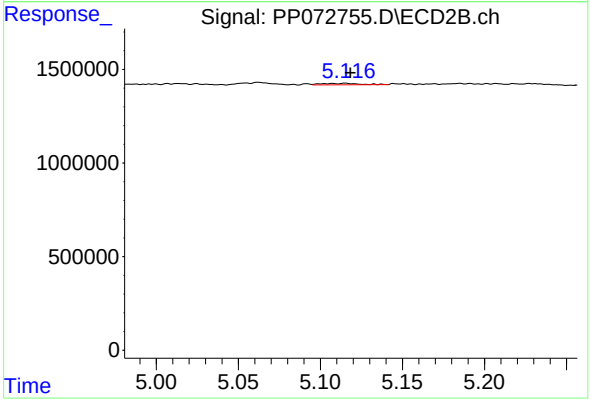
#21 AR-1248-1

R.T.: 4.878 min
Delta R.T.: -0.003 min
Response: 57996
Conc: 1.34 ng/ml



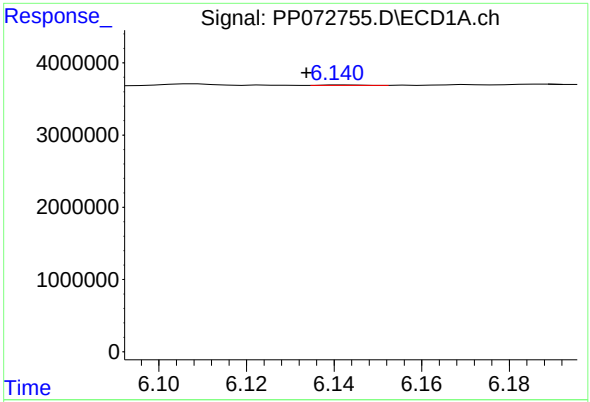
#22 AR-1248-2

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 340646
Conc: 5.62 ng/ml



#22 AR-1248-2

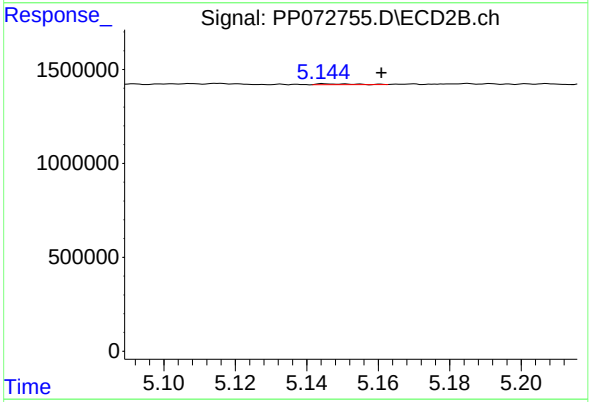
R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 127152
Conc: 2.25 ng/ml



#23 AR-1248-3

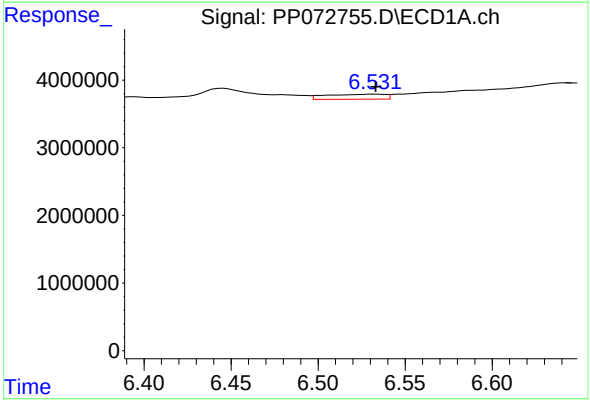
R.T.: 6.142 min
Delta R.T.: 0.008 min
Response: 32914
Conc: 0.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



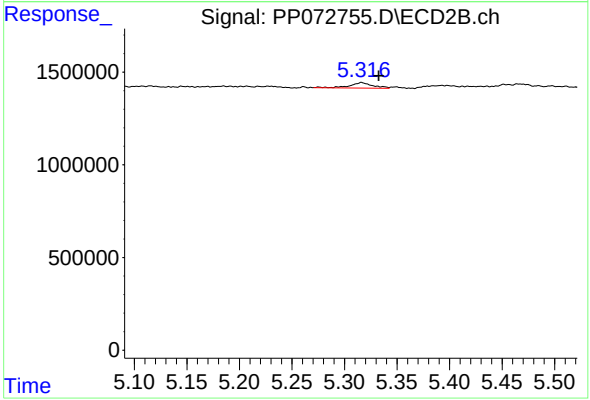
#23 AR-1248-3

R.T.: 5.145 min
Delta R.T.: -0.016 min
Response: 34061
Conc: 0.58 ng/ml



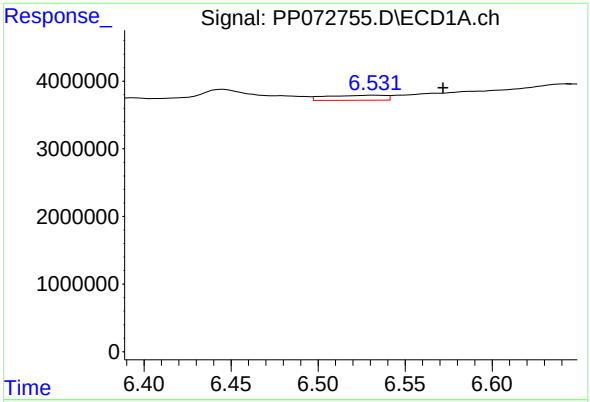
#24 AR-1248-4

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 1738823
Conc: 19.90 ng/ml



#24 AR-1248-4

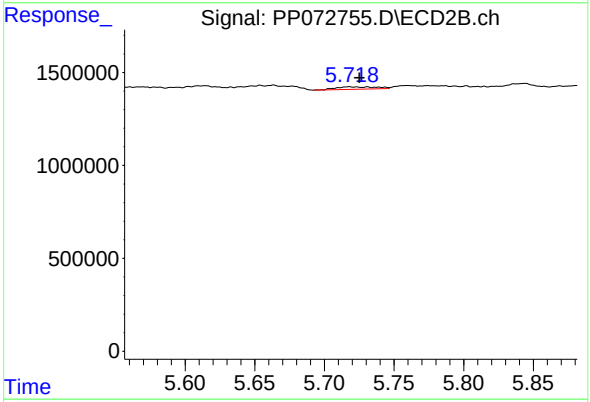
R.T.: 5.316 min
Delta R.T.: -0.016 min
Response: 450372
Conc: 6.47 ng/ml



#25 AR-1248-5

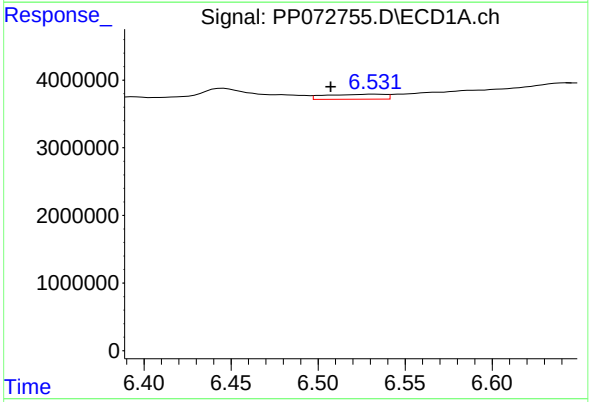
R.T.: 6.533 min
Delta R.T.: -0.039 min
Response: 1738823
Conc: 20.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



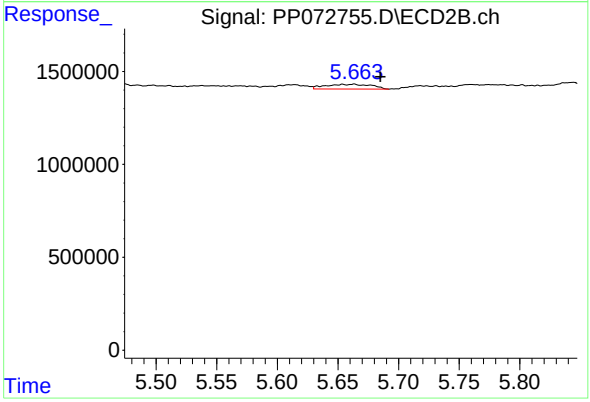
#25 AR-1248-5

R.T.: 5.718 min
Delta R.T.: -0.007 min
Response: 266904
Conc: 3.83 ng/ml



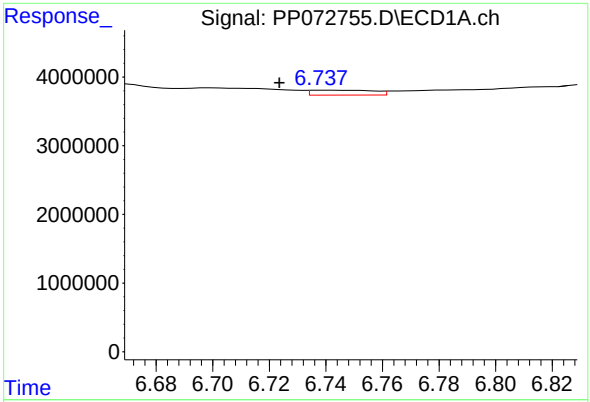
#26 AR-1254-1

R.T.: 6.533 min
Delta R.T.: 0.025 min
Response: 1738823
Conc: 20.22 ng/ml



#26 AR-1254-1

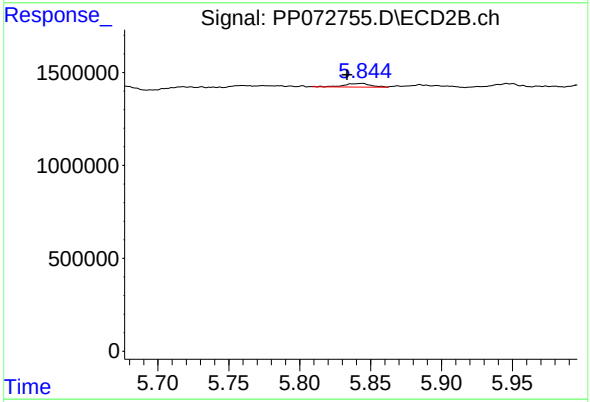
R.T.: 5.663 min
Delta R.T.: -0.022 min
Response: 669749
Conc: 6.70 ng/ml



#27 AR-1254-2

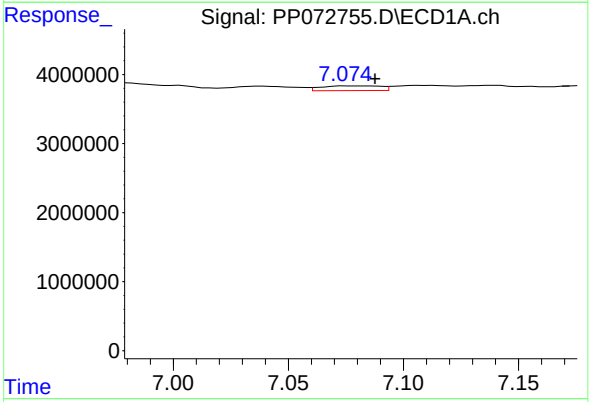
R.T.: 6.739 min
Delta R.T.: 0.016 min
Response: 1092913
Conc: 8.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



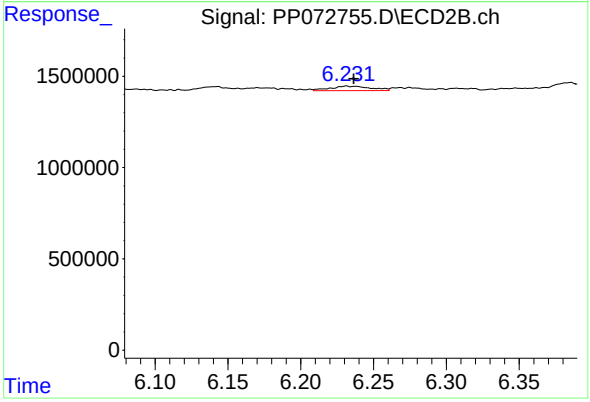
#27 AR-1254-2

R.T.: 5.844 min
Delta R.T.: 0.010 min
Response: 259686
Conc: 3.01 ng/ml



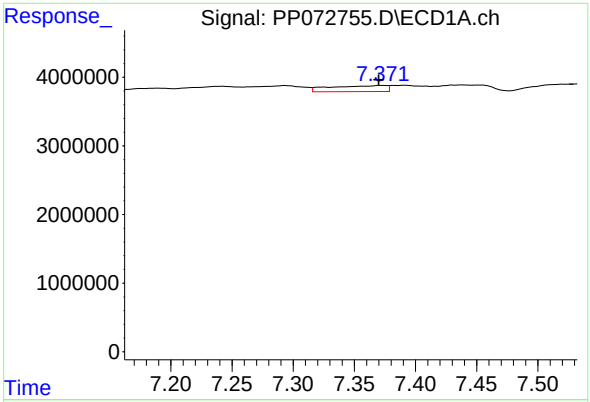
#28 AR-1254-3

R.T.: 7.076 min
Delta R.T.: -0.012 min
Response: 1223622
Conc: 9.27 ng/ml



#28 AR-1254-3

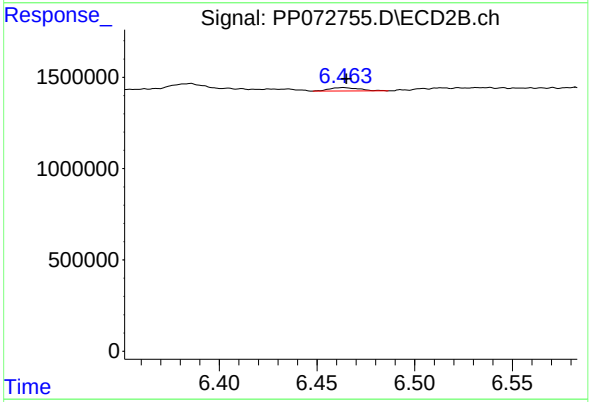
R.T.: 6.231 min
Delta R.T.: -0.005 min
Response: 471365
Conc: 3.66 ng/ml



#29 AR-1254-4

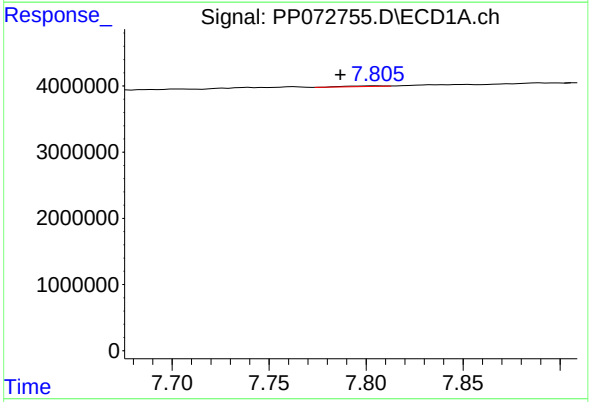
R.T.: 7.373 min
Delta R.T.: 0.002 min
Response: 2789757
Conc: 21.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



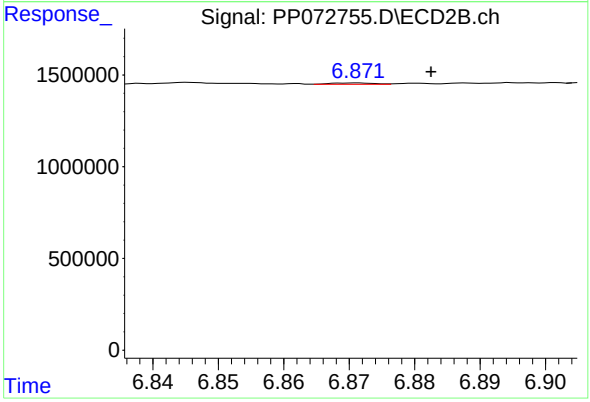
#29 AR-1254-4

R.T.: 6.464 min
Delta R.T.: -0.001 min
Response: 199983
Conc: 2.34 ng/ml



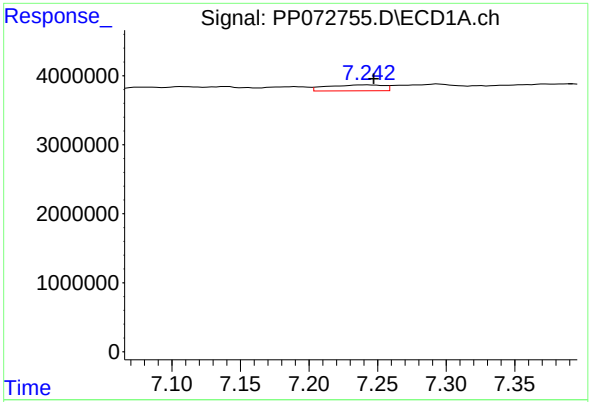
#30 AR-1254-5

R.T.: 7.805 min
Delta R.T.: 0.019 min
Response: 133266
Conc: 1.20 ng/ml



#30 AR-1254-5

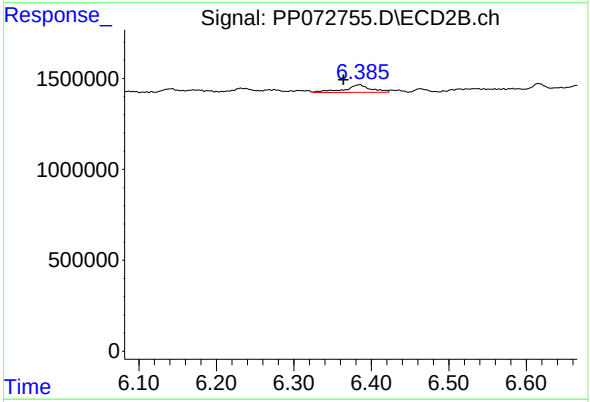
R.T.: 6.871 min
Delta R.T.: -0.012 min
Response: 34407
Conc: 0.30 ng/ml



#31 AR-1260-1

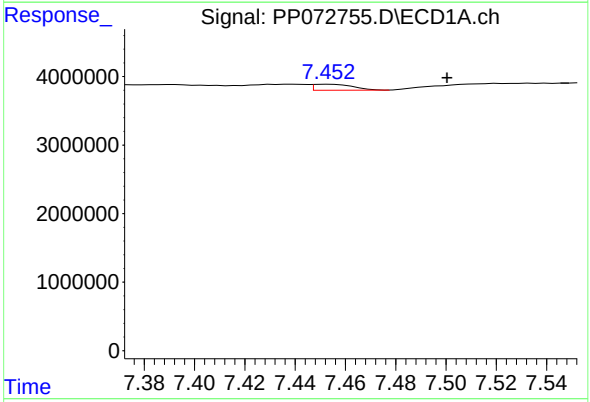
R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 2487013
Conc: 26.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



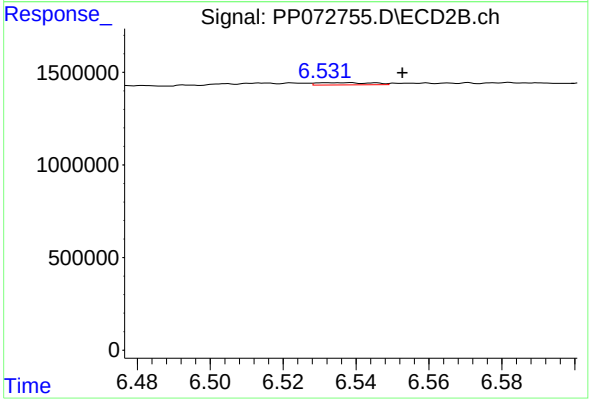
#31 AR-1260-1

R.T.: 6.385 min
Delta R.T.: 0.021 min
Response: 990824
Conc: 12.42 ng/ml



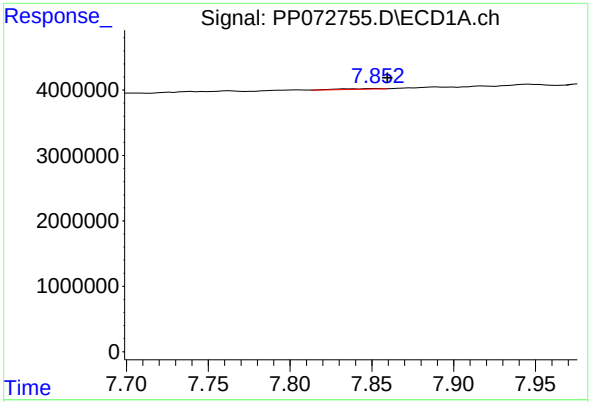
#32 AR-1260-2

R.T.: 7.454 min
Delta R.T.: -0.047 min
Response: 965266
Conc: 6.73 ng/ml



#32 AR-1260-2

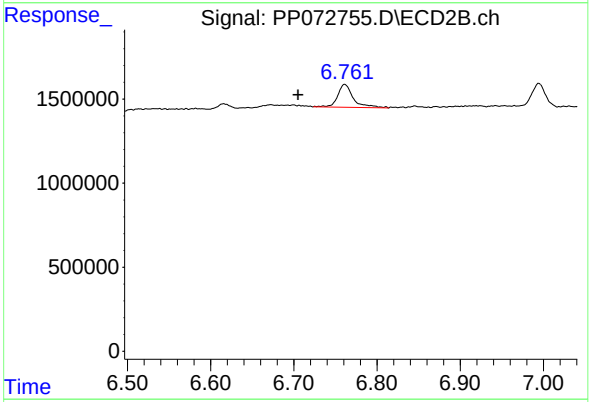
R.T.: 6.538 min
Delta R.T.: -0.015 min
Response: 123569
Conc: 1.22 ng/ml



#33 AR-1260-3

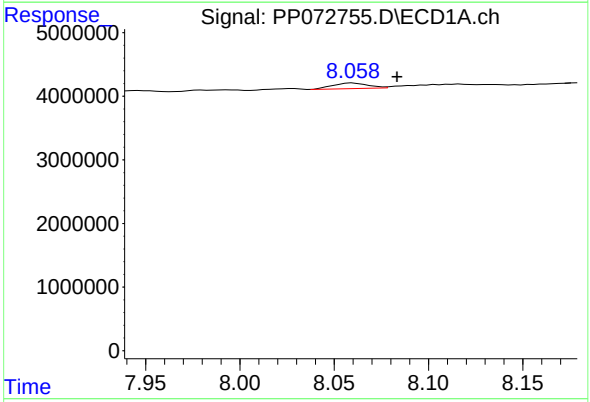
R.T.: 7.839 min
Delta R.T.: -0.020 min
Response: 175717
Conc: 1.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



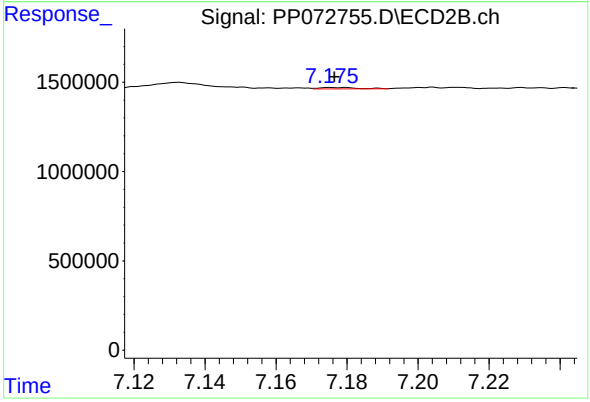
#33 AR-1260-3

R.T.: 6.761 min
Delta R.T.: 0.056 min
Response: 1803088
Conc: 20.75 ng/ml



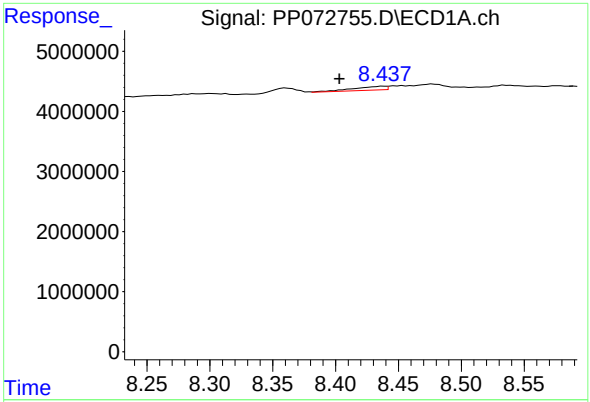
#34 AR-1260-4

R.T.: 8.060 min
Delta R.T.: -0.024 min
Response: 1132555
Conc: 10.55 ng/ml



#34 AR-1260-4

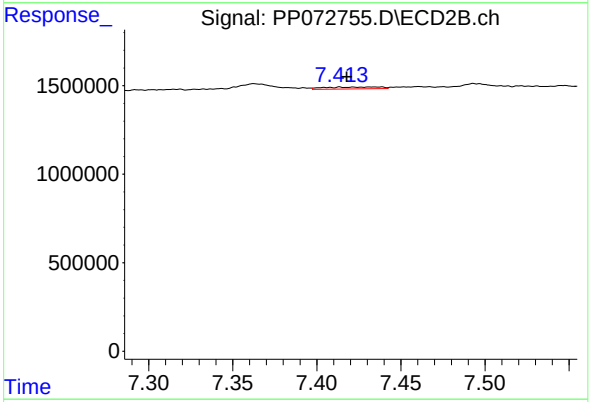
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 58689
Conc: 0.81 ng/ml



#35 AR-1260-5

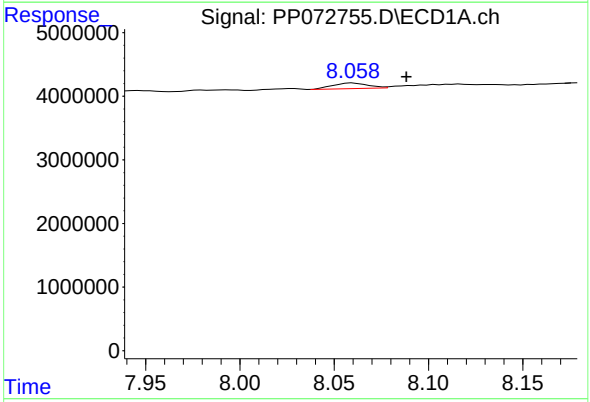
R.T.: 8.439 min
Delta R.T.: 0.036 min
Response: 1117602
Conc: 4.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



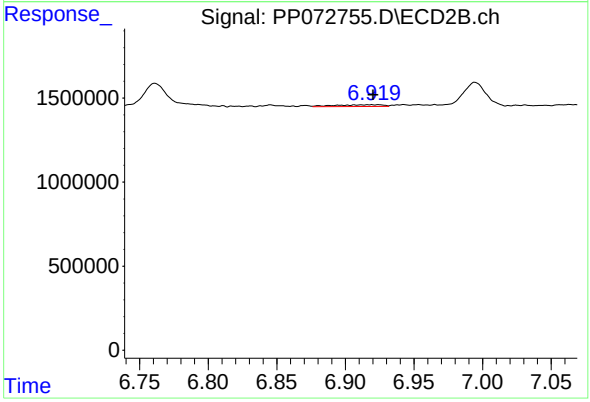
#35 AR-1260-5

R.T.: 7.414 min
Delta R.T.: -0.004 min
Response: 248183
Conc: 1.43 ng/ml



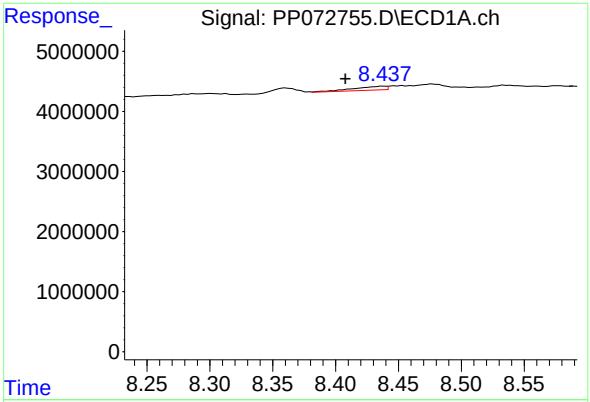
#36 AR-1262-1

R.T.: 8.060 min
Delta R.T.: -0.028 min
Response: 1132555
Conc: 8.50 ng/ml



#36 AR-1262-1

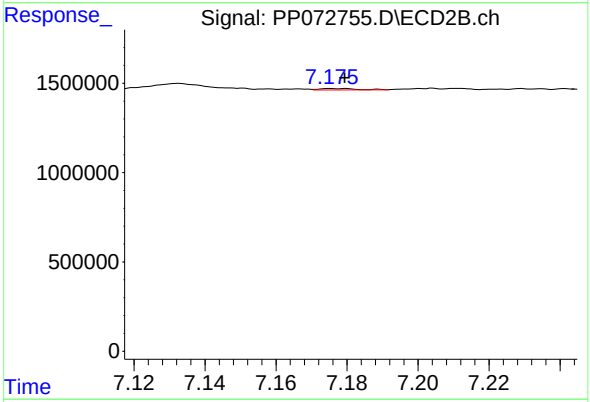
R.T.: 6.924 min
Delta R.T.: 0.004 min
Response: 242257
Conc: 2.14 ng/ml



#37 AR-1262-2

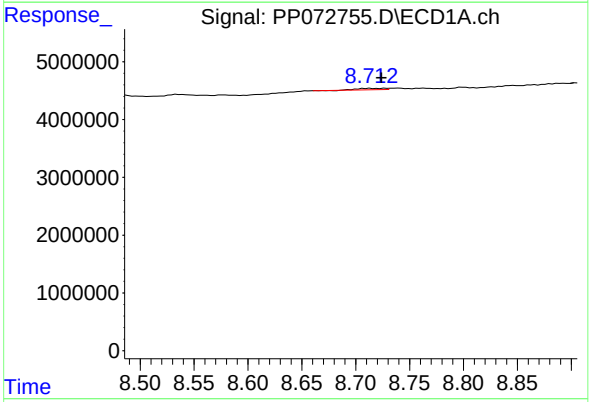
R.T.: 8.439 min
Delta R.T.: 0.031 min
Response: 1117602
Conc: 4.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



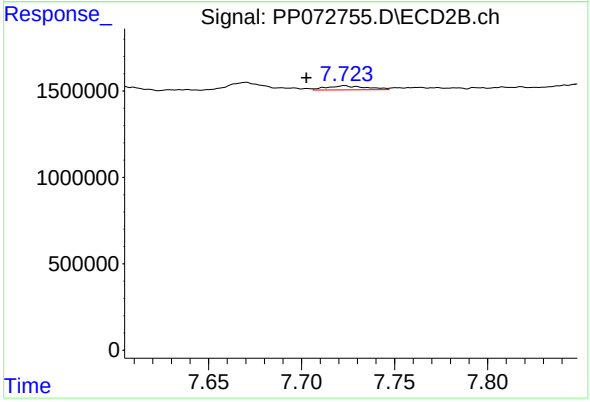
#37 AR-1262-2

R.T.: 7.176 min
Delta R.T.: -0.003 min
Response: 58689
Conc: 0.60 ng/ml



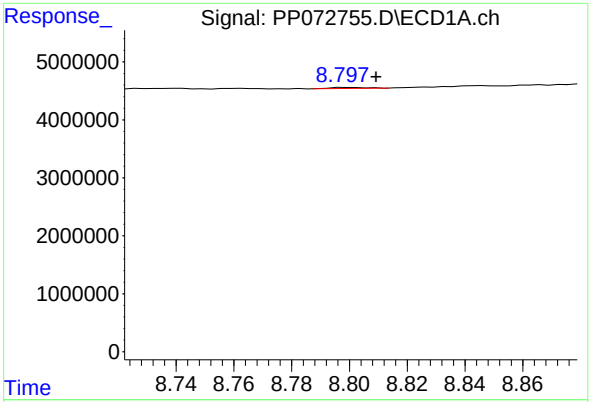
#38 AR-1262-3

R.T.: 8.713 min
Delta R.T.: -0.010 min
Response: 415813
Conc: 2.24 ng/ml



#38 AR-1262-3

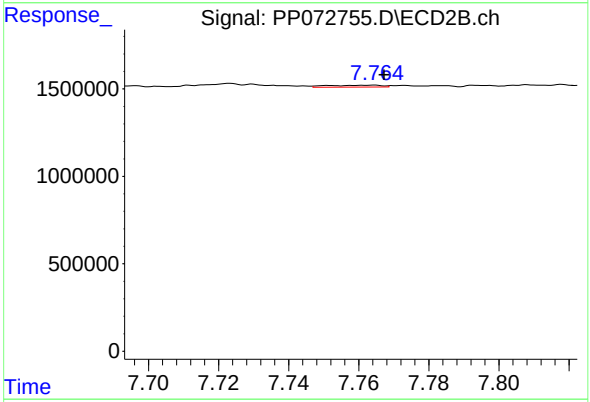
R.T.: 7.723 min
Delta R.T.: 0.020 min
Response: 348808
Conc: 4.28 ng/ml



#39 AR-1262-4

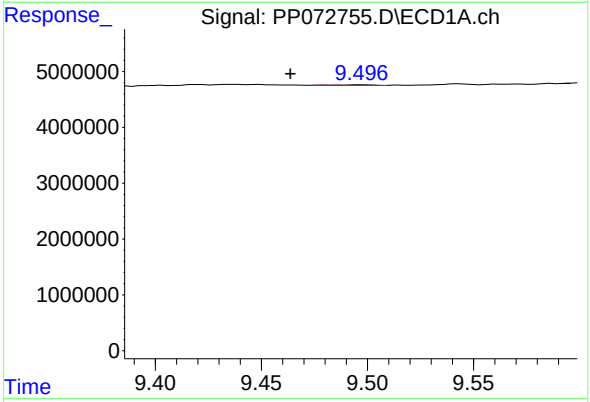
R.T.: 8.800 min
Delta R.T.: -0.009 min
Response: 161997
Conc: 1.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



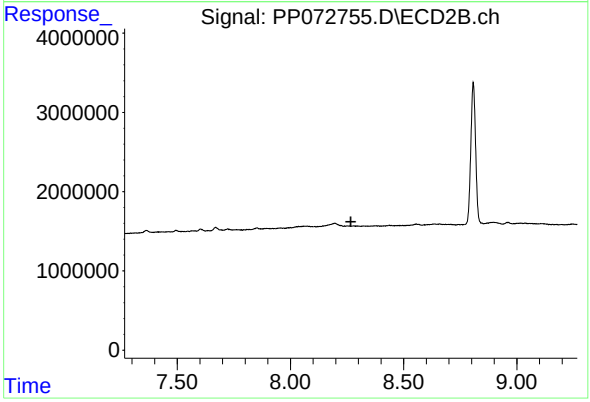
#39 AR-1262-4

R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 121007
Conc: 0.86 ng/ml



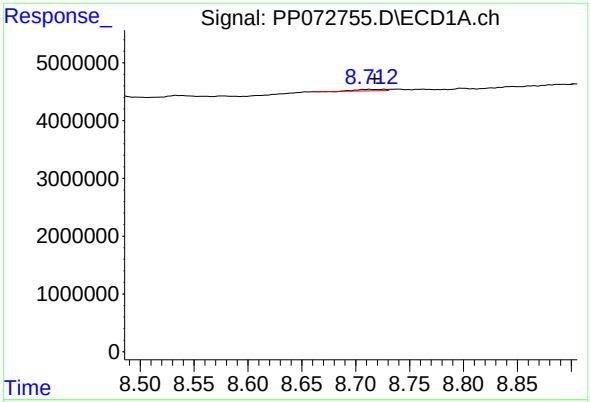
#40 AR-1262-5

R.T.: 9.498 min
Delta R.T.: 0.034 min
Response: 114882
Conc: 1.24 ng/ml



#40 AR-1262-5

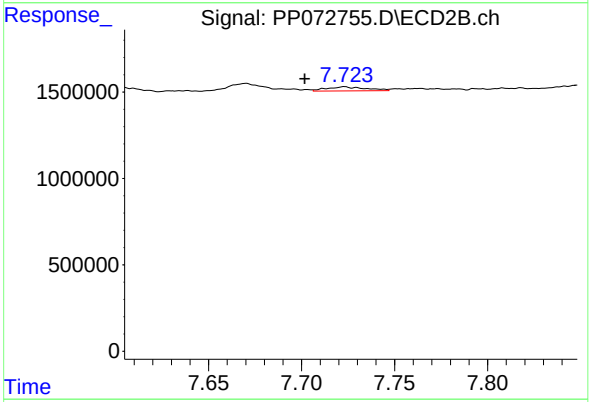
R.T.: 0.000 min
Exp R.T. : 8.267 min
Response: 0
Conc: N.D.



#41 AR-1268-1

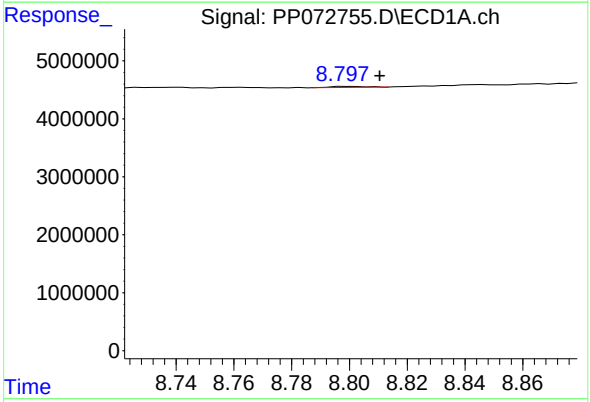
R.T.: 8.713 min
Delta R.T.: -0.005 min
Response: 415813
Conc: 1.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



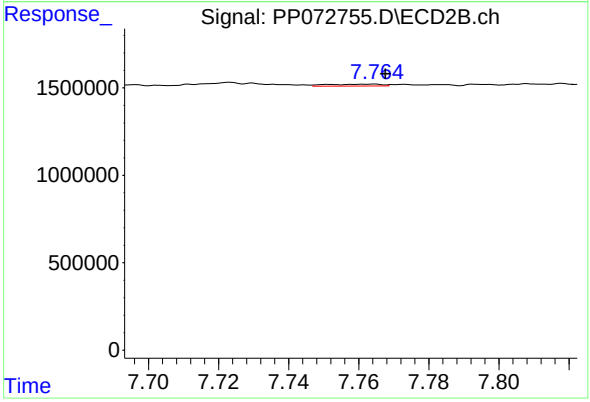
#41 AR-1268-1

R.T.: 7.723 min
Delta R.T.: 0.021 min
Response: 348808
Conc: 1.49 ng/ml



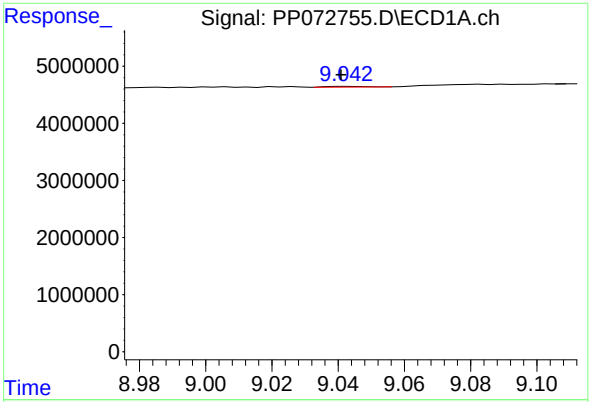
#42 AR-1268-2

R.T.: 8.800 min
Delta R.T.: -0.010 min
Response: 161997
Conc: 0.58 ng/ml



#42 AR-1268-2

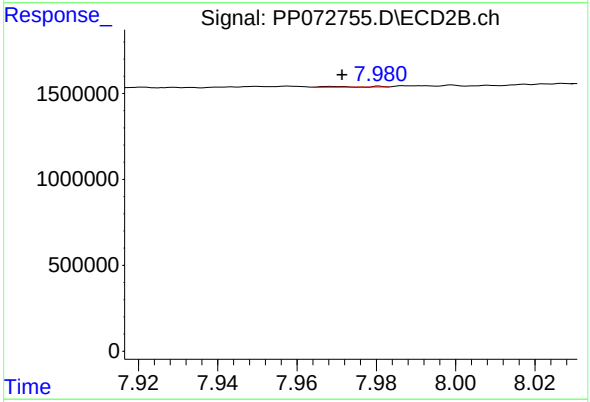
R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 121007
Conc: 0.59 ng/ml



#43 AR-1268-3

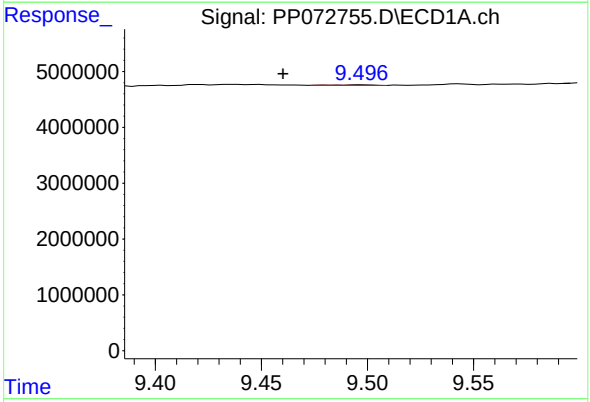
R.T.: 9.043 min
Delta R.T.: 0.002 min
Response: 107939
Conc: 0.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



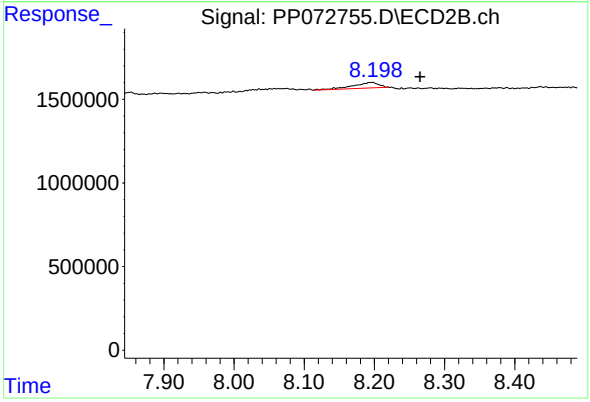
#43 AR-1268-3

R.T.: 7.969 min
Delta R.T.: -0.003 min
Response: 27612
Conc: 0.16 ng/ml



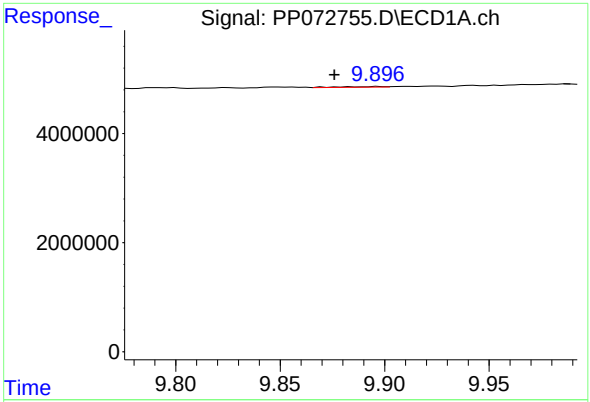
#44 AR-1268-4

R.T.: 9.498 min
Delta R.T.: 0.037 min
Response: 114882
Conc: 1.09 ng/ml



#44 AR-1268-4

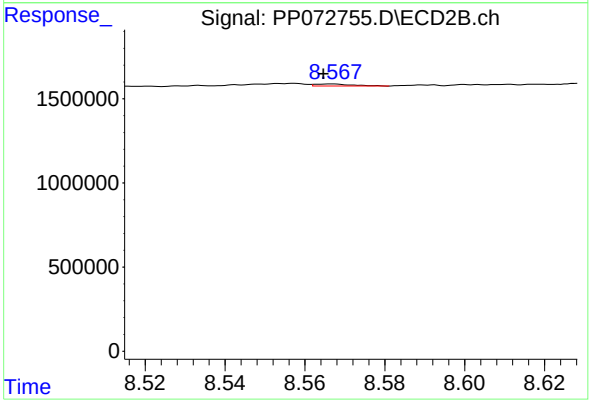
R.T.: 8.197 min
Delta R.T.: -0.068 min
Response: 855944
Conc: 11.73 ng/ml



#45 AR-1268-5

R.T.: 9.897 min
Delta R.T.: 0.021 min
Response: 181990
Conc: 0.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-36-060525



#45 AR-1268-5

R.T.: 8.566 min
Delta R.T.: 0.002 min
Response: 79881
Conc: 0.17 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:28
Operator : YP\AJ
Sample : Q2259-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.496	3.793	39436211	35030056	19.612	21.916	
2)	SA Decachlor...	10.196	8.808	30318420	23030895	18.610	21.756	
	Target Compounds							
3)	L1 AR-1016-1	5.636	4.894	170184	150350	2.267	2.448	
4)	L1 AR-1016-2	5.682	4.894	413446	150350	3.864	1.713	#
5)	L1 AR-1016-3	5.736	5.066	388206	139650	5.921	2.930	#
6)	L1 AR-1016-4	5.841	5.118	262922	62808	4.936	1.651	#
7)	L1 AR-1016-5	6.107	5.313	313111	1311359	6.402	26.320	#
8)	L2 AR-1221-1	4.699	3.991	45358093	17678	1735.056	0.659	#
9)	L2 AR-1221-2	4.798	4.077	1268390	31409922	62.178	1529.585	#
10)	L2 AR-1221-3	4.849	4.168	218043	1906233	3.604	32.371	#
11)	L3 AR-1232-1	4.849	4.168	218043	1906233	4.629	43.979	#
12)	L3 AR-1232-2	5.411	4.894	1164122	150350	49.998	3.403	#
13)	L3 AR-1232-3	5.682	5.066	413446	139650	8.258	5.972	#
14)	L3 AR-1232-4	5.841	5.118f	262922	62808	10.475	3.031	#
15)	L3 AR-1232-5	5.922	5.313	259080	1311359	14.788	56.635	#
16)	L4 AR-1242-1	5.636	4.894	170184	150350	2.719	2.885	
17)	L4 AR-1242-2	5.682	4.894	413446	150350	4.764	2.046	#
18)	L4 AR-1242-3	5.736	5.066	388206	139650	7.050	3.569	#
19)	L4 AR-1242-4	5.841	5.118f	262922	62808	5.928	1.671	#
20)	L4 AR-1242-5	6.561	5.671	1730383	1375798	33.939	28.509	
21)	L5 AR-1248-1	5.636	4.894	170184	150350	3.517	3.471	
22)	L5 AR-1248-2	5.922	5.118	259080	62808	4.272	1.112	#
23)	L5 AR-1248-3	6.154	5.118f	212020	62808	3.204	1.063	#
24)	L5 AR-1248-4	6.522	5.313	3337313	1311359	38.188	18.827	#
25)	L5 AR-1248-5	6.582	5.722	1760479	547059	21.204	7.844	#
26)	L6 AR-1254-1	6.522	5.671	3337313	1375798	38.804	13.764	#
27)	L6 AR-1254-2	6.708	5.840	1949940	878538	14.922	10.179	#
28)	L6 AR-1254-3	7.091	6.233	1574767	366034	11.930	2.846	#
29)	L6 AR-1254-4	7.373	6.463	821347	263105	6.293	3.085	#
30)	L6 AR-1254-5	7.789	6.884	220183	47621	1.979	0.420	#
31)	L7 AR-1260-1	7.245	6.351	1025015	99111	10.952	1.243	#
32)	L7 AR-1260-2	7.507	6.538	971661	182435	6.772	1.799	#
33)	L7 AR-1260-3	7.846	6.761f	190667	1184658	1.674	13.632	#
34)	L7 AR-1260-4	8.058	7.216f	1639757	144131	15.282	1.999	#
35)	L7 AR-1260-5	8.378	7.396	392103	622081	1.657	3.583	#
36)	L8 AR-1262-1	8.058	6.940	1639757	157049	12.306	1.389	#
37)	L8 AR-1262-2	8.378	7.216f	392103	144131	1.440	1.484	
38)	L8 AR-1262-3	8.733	7.724	1342416	292178	7.236	3.584	#
39)	L8 AR-1262-4	8.799	7.775	652167	64536	4.857	0.459	#
40)	L8 AR-1262-5	9.459	8.267	95091	159541	1.028	2.451	#
41)	L9 AR-1268-1	8.733	7.724	1342416	292178	4.029	1.247	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:28
Operator : YP\AJ
Sample : Q2259-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.799	7.775	652167	64536	2.329	0.312 #
43) L9	AR-1268-3	9.045	7.969	372595	36379	1.543	0.215 #
44) L9	AR-1268-4	9.459	8.267	95091	159541	0.906	2.187 #
45) L9	AR-1268-5	9.869	8.553	378787	381425	0.560	0.835 #

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

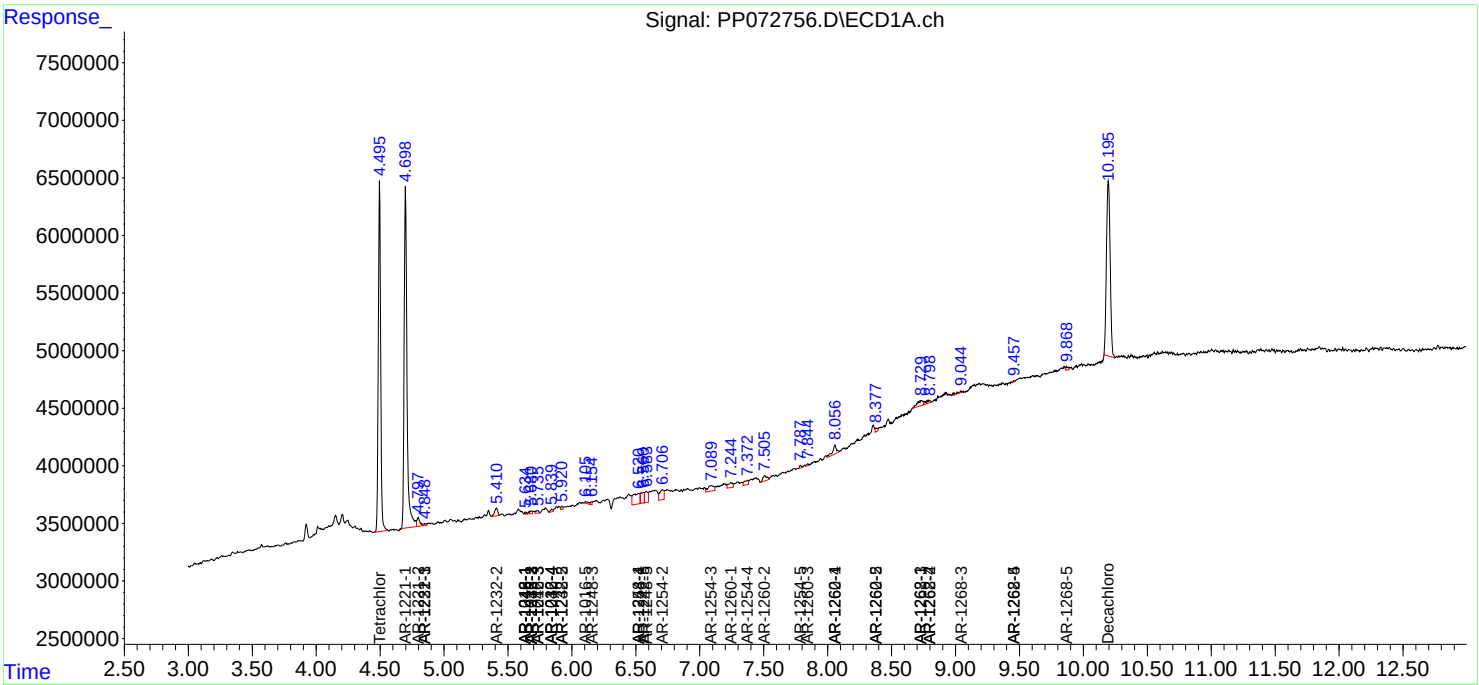
Quantitation Report (Not Reviewed)

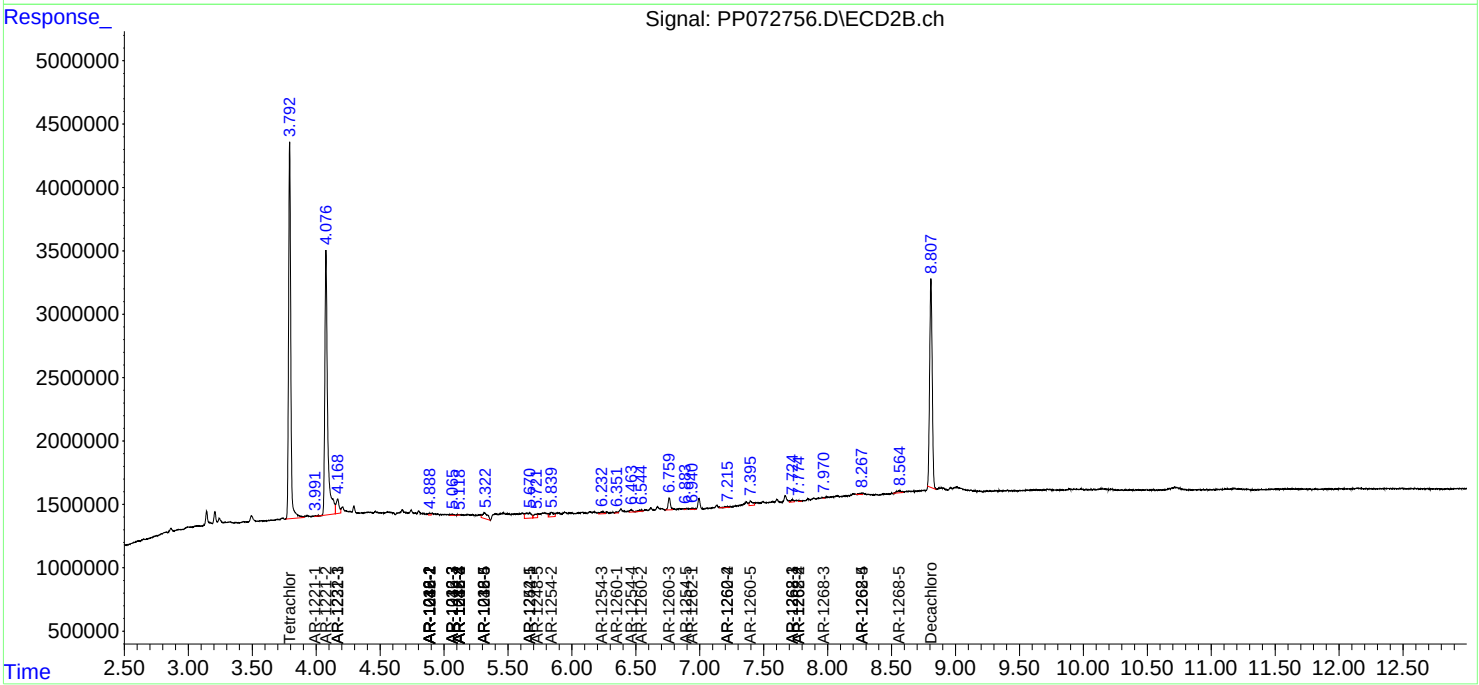
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:28
Operator : YP\AJ
Sample : Q2259-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

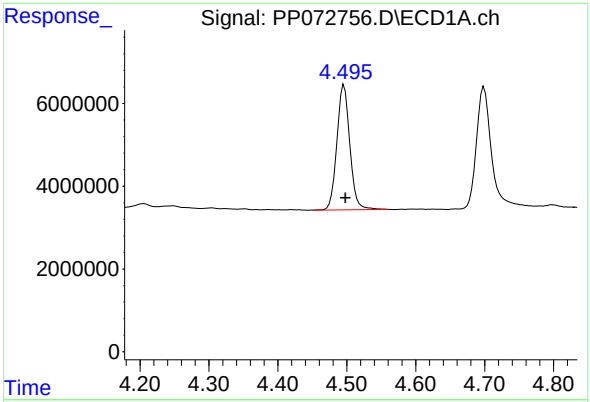
Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



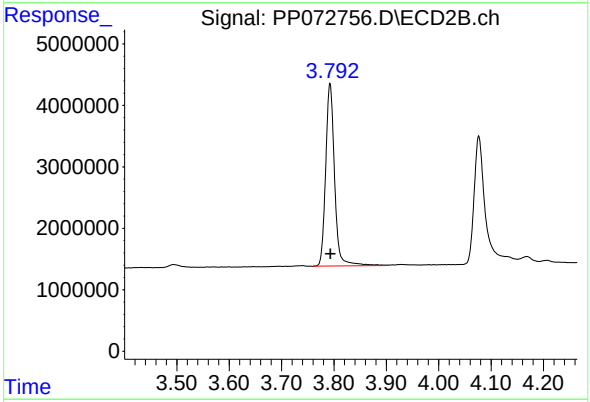




#1 Tetrachloro-m-xylene

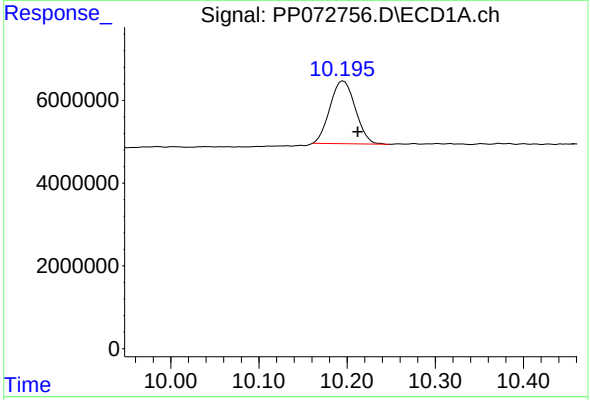
R.T.: 4.496 min
Delta R.T.: -0.002 min
Response: 39436211
Conc: 19.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



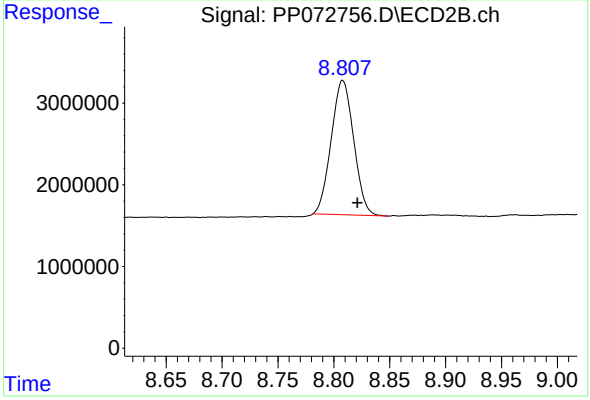
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 35030056
Conc: 21.92 ng/ml



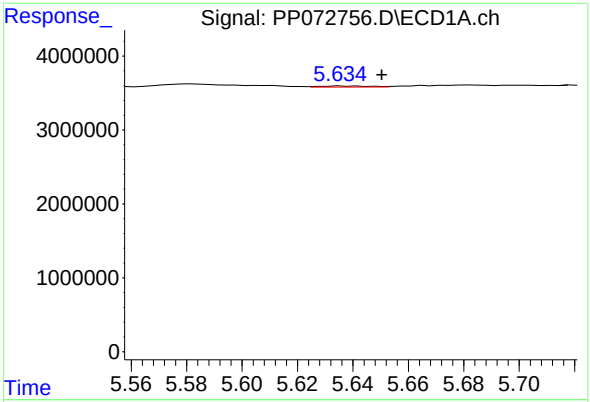
#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.016 min
Response: 30318420
Conc: 18.61 ng/ml



#2 Decachlorobiphenyl

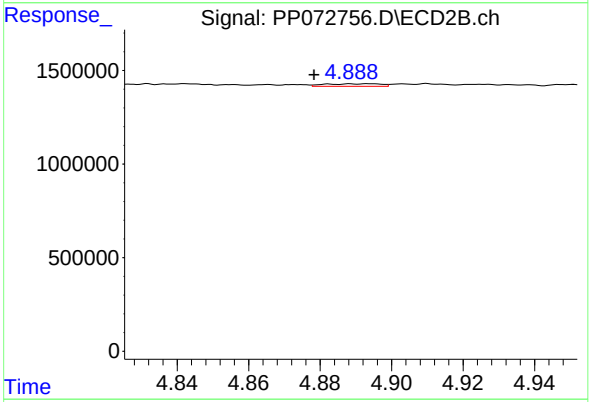
R.T.: 8.808 min
Delta R.T.: -0.013 min
Response: 23030895
Conc: 21.76 ng/ml



#3 AR-1016-1

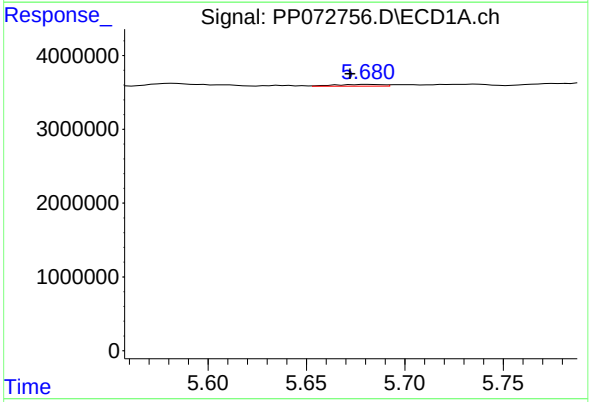
R.T.: 5.636 min
Delta R.T.: -0.014 min
Response: 170184
Conc: 2.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



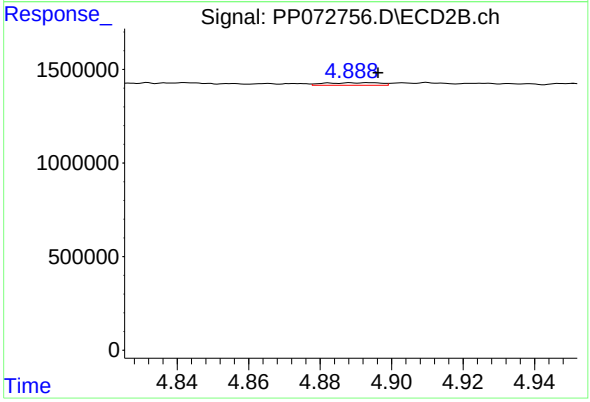
#3 AR-1016-1

R.T.: 4.894 min
Delta R.T.: 0.016 min
Response: 150350
Conc: 2.45 ng/ml



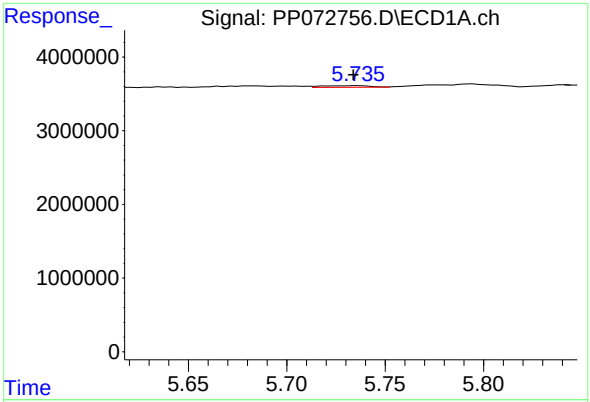
#4 AR-1016-2

R.T.: 5.682 min
Delta R.T.: 0.010 min
Response: 413446
Conc: 3.86 ng/ml



#4 AR-1016-2

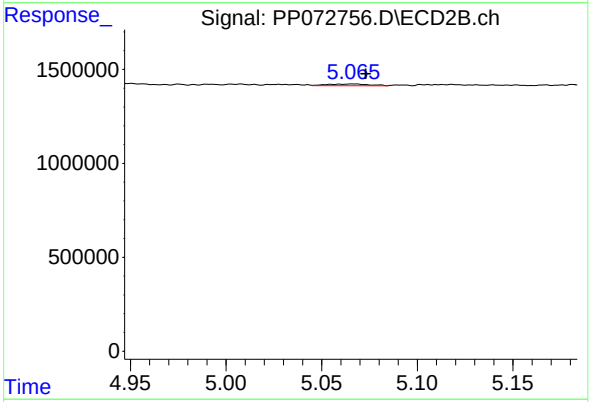
R.T.: 4.894 min
Delta R.T.: -0.002 min
Response: 150350
Conc: 1.71 ng/ml



#5 AR-1016-3

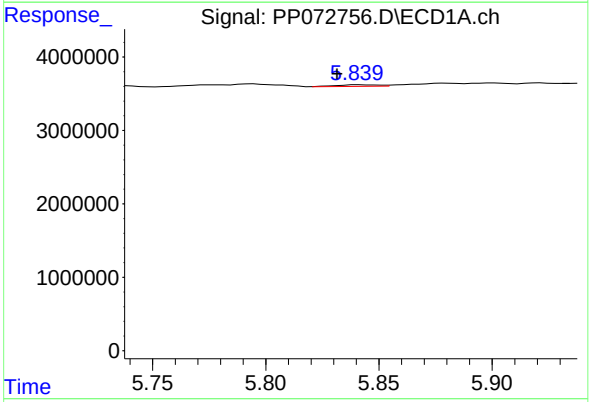
R.T.: 5.736 min
Delta R.T.: 0.003 min
Response: 388206
Conc: 5.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



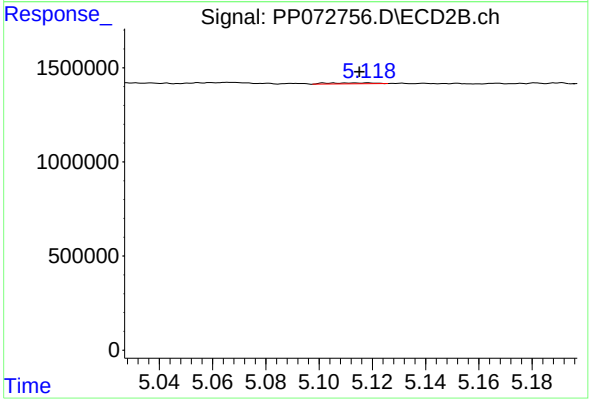
#5 AR-1016-3

R.T.: 5.066 min
Delta R.T.: -0.007 min
Response: 139650
Conc: 2.93 ng/ml



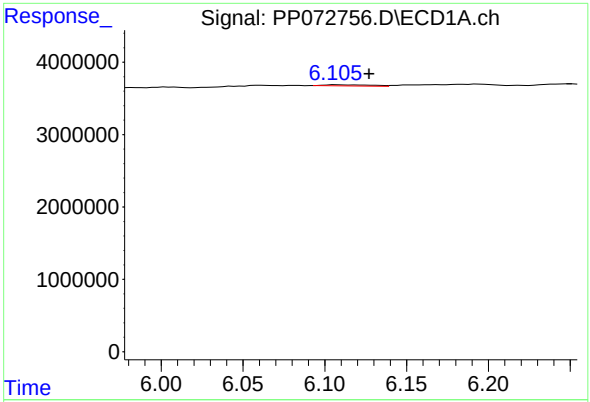
#6 AR-1016-4

R.T.: 5.841 min
Delta R.T.: 0.009 min
Response: 262922
Conc: 4.94 ng/ml



#6 AR-1016-4

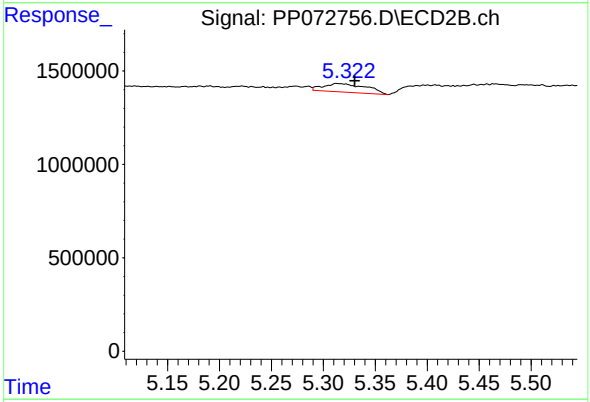
R.T.: 5.118 min
Delta R.T.: 0.003 min
Response: 62808
Conc: 1.65 ng/ml



#7 AR-1016-5

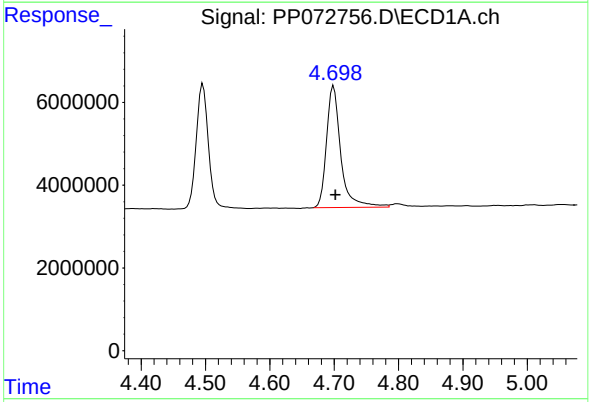
R.T.: 6.107 min
Delta R.T.: -0.020 min
Response: 313111
Conc: 6.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



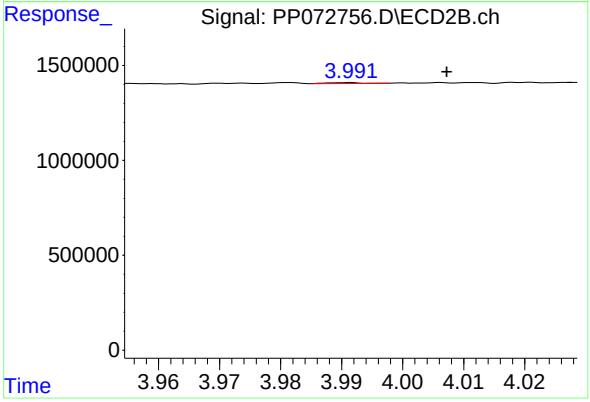
#7 AR-1016-5

R.T.: 5.313 min
Delta R.T.: -0.017 min
Response: 1311359
Conc: 26.32 ng/ml



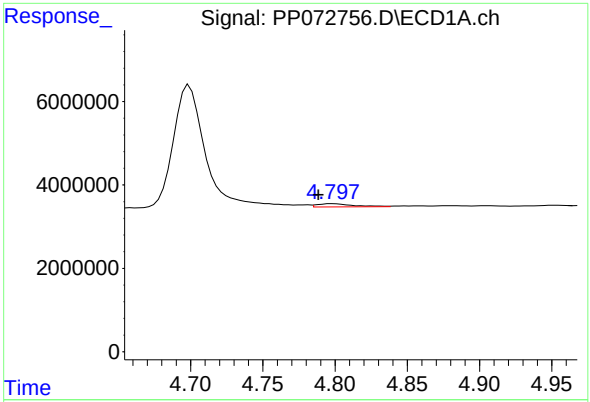
#8 AR-1221-1

R.T.: 4.699 min
Delta R.T.: -0.003 min
Response: 45358093
Conc: 1735.06 ng/ml



#8 AR-1221-1

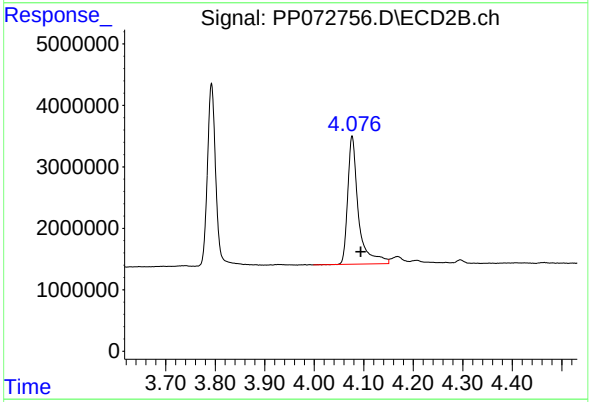
R.T.: 3.991 min
Delta R.T.: -0.016 min
Response: 17678
Conc: 0.66 ng/ml



#9 AR-1221-2

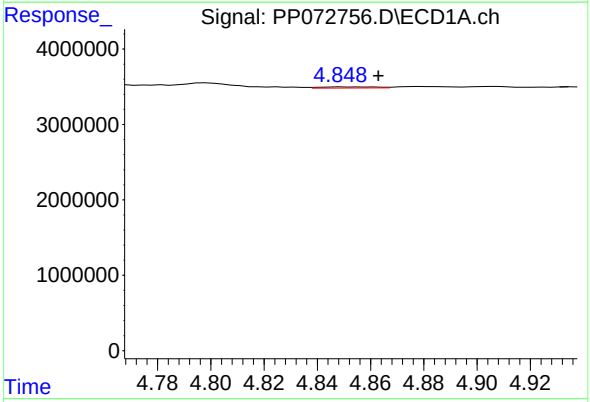
R.T.: 4.798 min
Delta R.T.: 0.010 min
Response: 1268390
Conc: 62.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



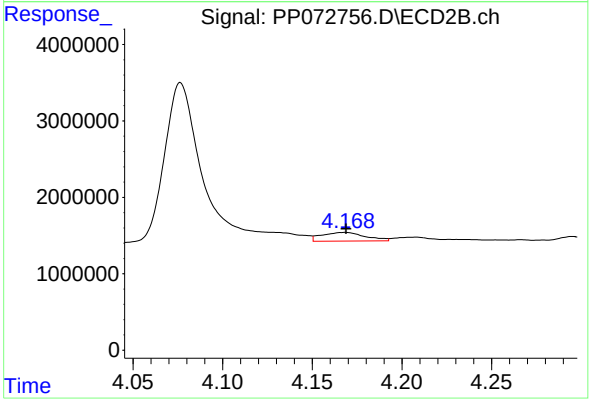
#9 AR-1221-2

R.T.: 4.077 min
Delta R.T.: -0.017 min
Response: 31409922
Conc: 1529.59 ng/ml



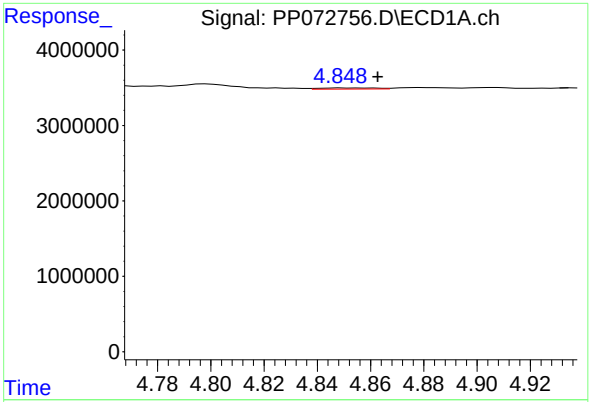
#10 AR-1221-3

R.T.: 4.849 min
Delta R.T.: -0.014 min
Response: 218043
Conc: 3.60 ng/ml



#10 AR-1221-3

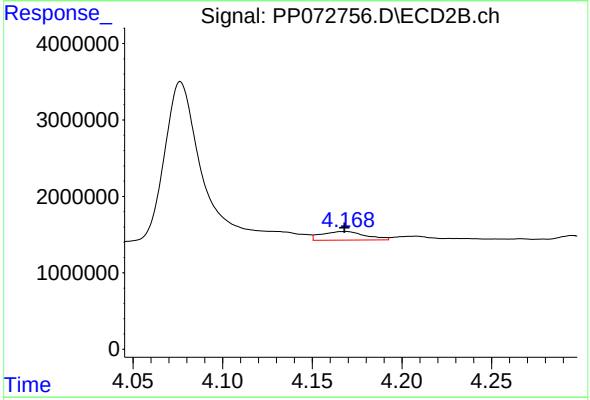
R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 1906233
Conc: 32.37 ng/ml



#11 AR-1232-1

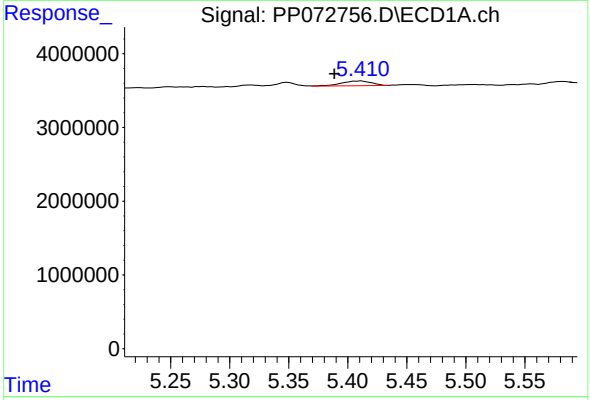
R.T.: 4.849 min
Delta R.T.: -0.014 min
Response: 218043
Conc: 4.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



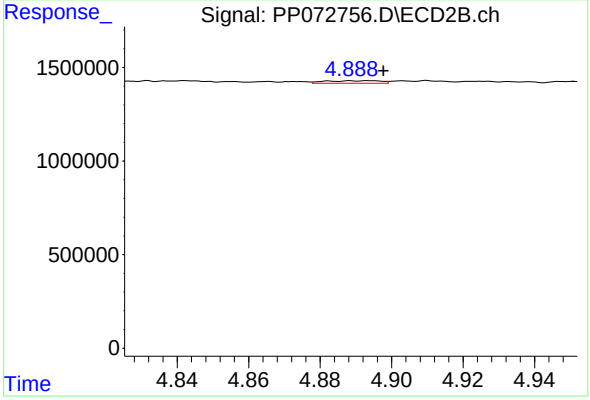
#11 AR-1232-1

R.T.: 4.168 min
Delta R.T.: 0.000 min
Response: 1906233
Conc: 43.98 ng/ml



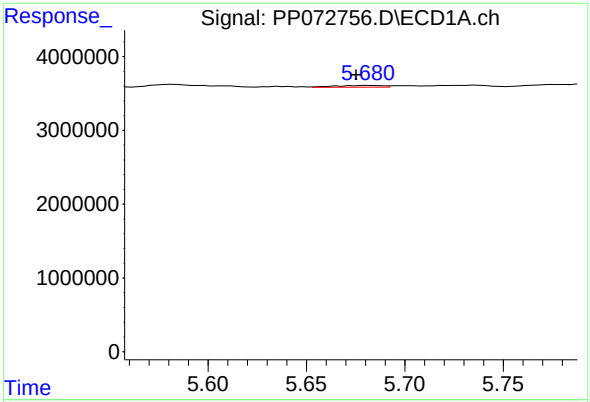
#12 AR-1232-2

R.T.: 5.411 min
Delta R.T.: 0.023 min
Response: 1164122
Conc: 50.00 ng/ml



#12 AR-1232-2

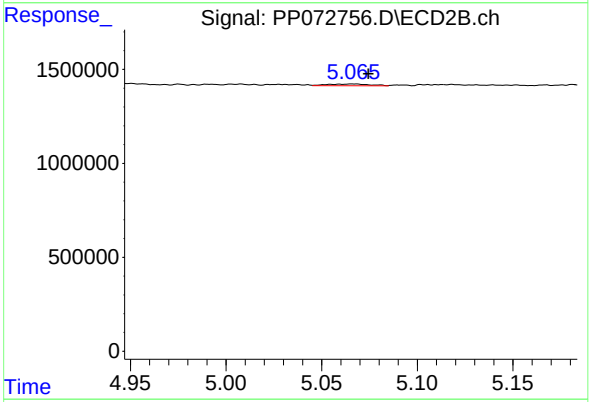
R.T.: 4.894 min
Delta R.T.: -0.004 min
Response: 150350
Conc: 3.40 ng/ml



#13 AR-1232-3

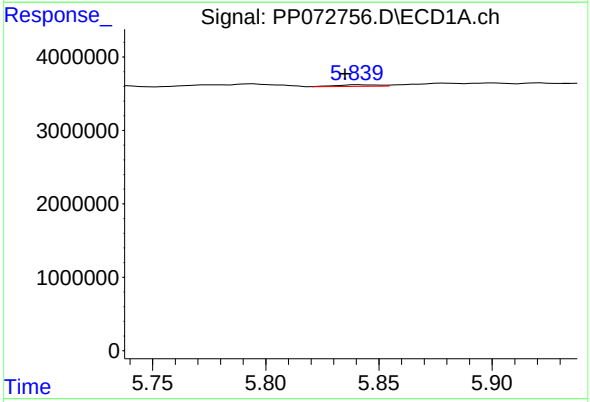
R.T.: 5.682 min
Delta R.T.: 0.006 min
Response: 413446
Conc: 8.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



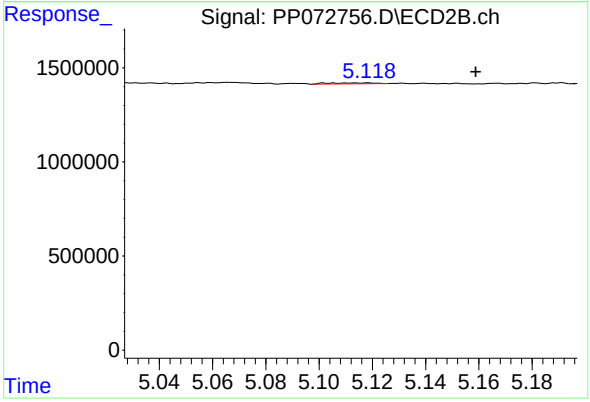
#13 AR-1232-3

R.T.: 5.066 min
Delta R.T.: -0.008 min
Response: 139650
Conc: 5.97 ng/ml



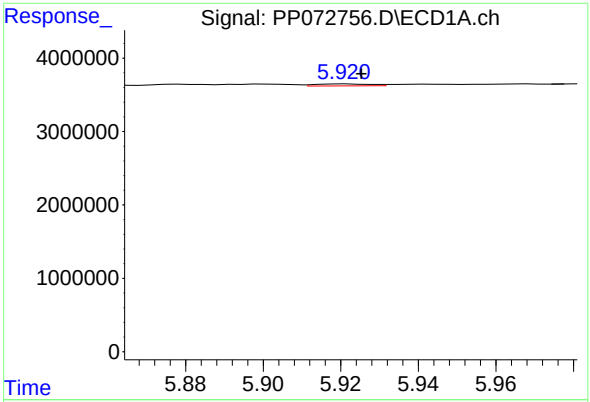
#14 AR-1232-4

R.T.: 5.841 min
Delta R.T.: 0.006 min
Response: 262922
Conc: 10.48 ng/ml



#14 AR-1232-4

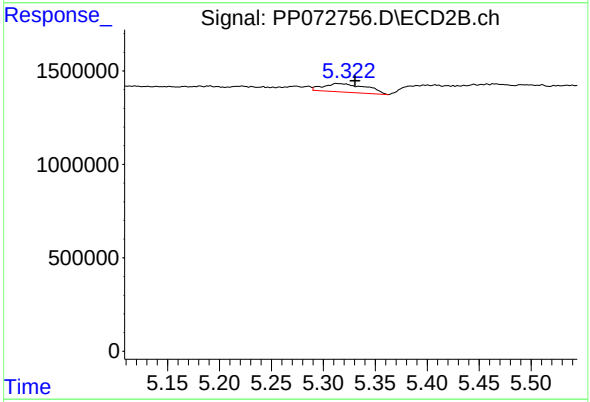
R.T.: 5.118 min
Delta R.T.: -0.040 min
Response: 62808
Conc: 3.03 ng/ml



#15 AR-1232-5

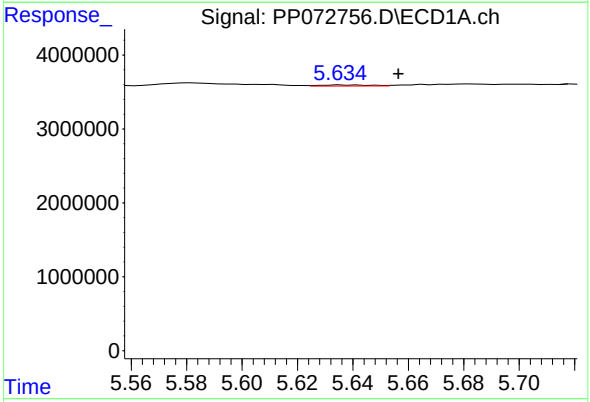
R.T.: 5.922 min
Delta R.T.: -0.004 min
Response: 259080
Conc: 14.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



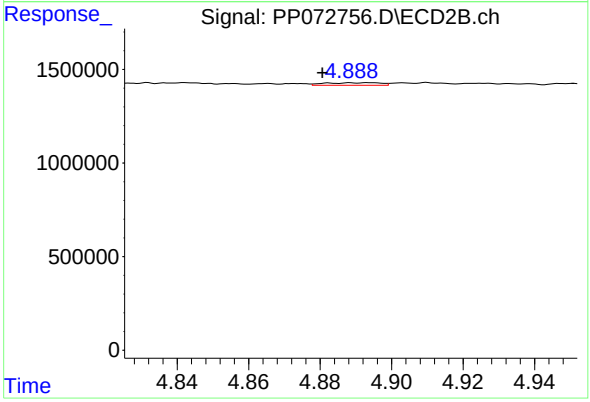
#15 AR-1232-5

R.T.: 5.313 min
Delta R.T.: -0.018 min
Response: 1311359
Conc: 56.64 ng/ml



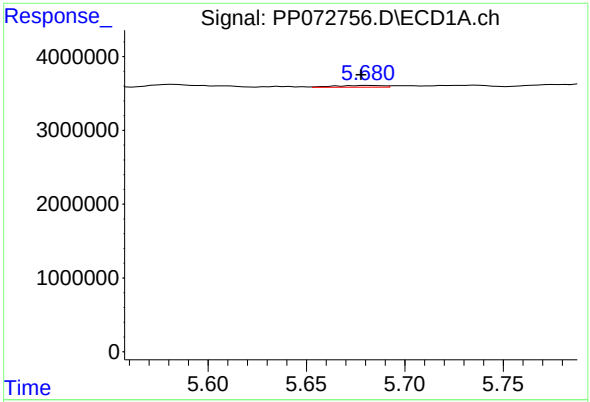
#16 AR-1242-1

R.T.: 5.636 min
Delta R.T.: -0.020 min
Response: 170184
Conc: 2.72 ng/ml



#16 AR-1242-1

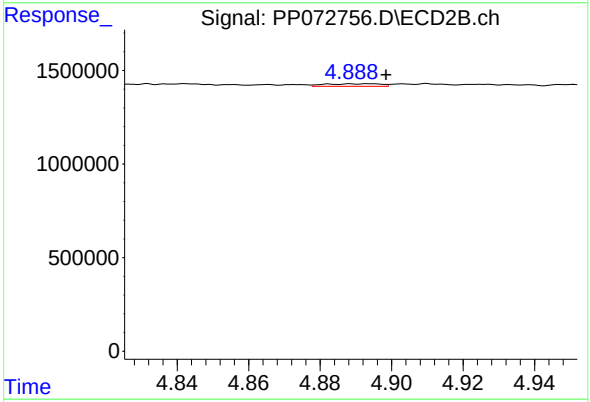
R.T.: 4.894 min
Delta R.T.: 0.013 min
Response: 150350
Conc: 2.89 ng/ml



#17 AR-1242-2

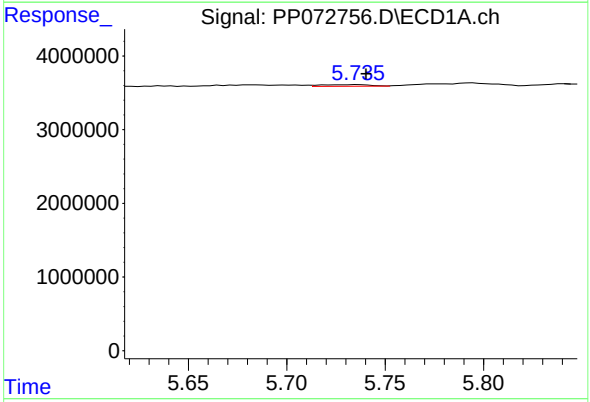
R.T.: 5.682 min
Delta R.T.: 0.004 min
Response: 413446
Conc: 4.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



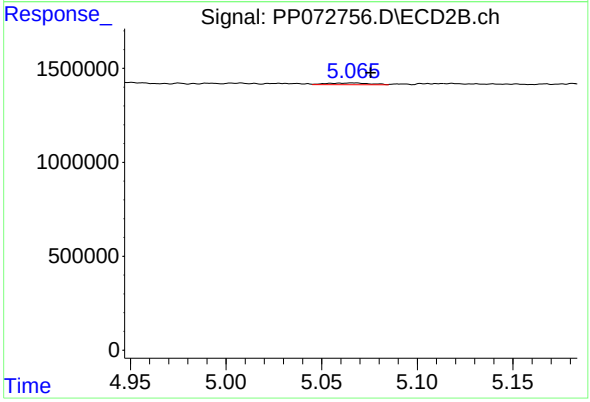
#17 AR-1242-2

R.T.: 4.894 min
Delta R.T.: -0.004 min
Response: 150350
Conc: 2.05 ng/ml



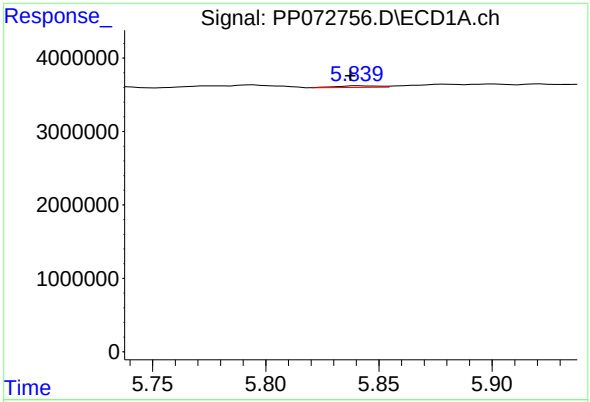
#18 AR-1242-3

R.T.: 5.736 min
Delta R.T.: -0.004 min
Response: 388206
Conc: 7.05 ng/ml



#18 AR-1242-3

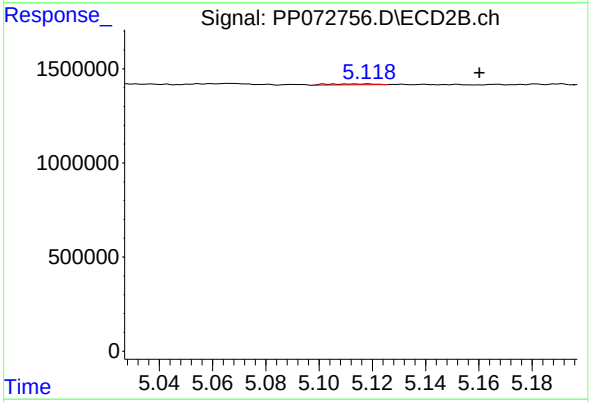
R.T.: 5.066 min
Delta R.T.: -0.009 min
Response: 139650
Conc: 3.57 ng/ml



#19 AR-1242-4

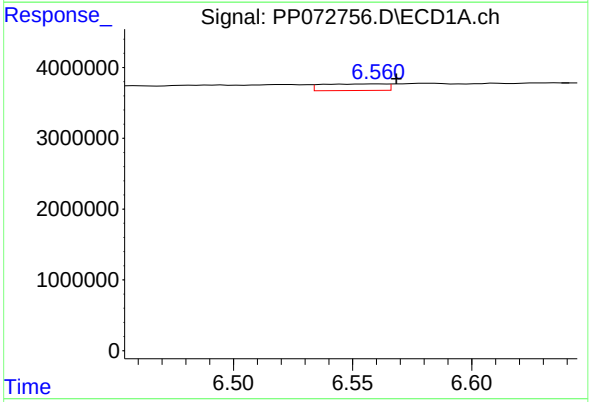
R.T.: 5.841 min
Delta R.T.: 0.003 min
Response: 262922
Conc: 5.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



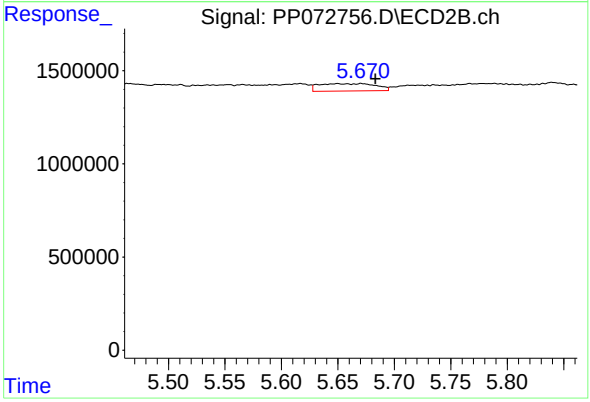
#19 AR-1242-4

R.T.: 5.118 min
Delta R.T.: -0.042 min
Response: 62808
Conc: 1.67 ng/ml



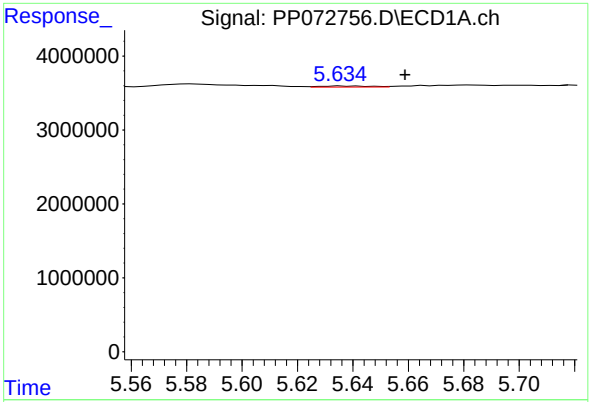
#20 AR-1242-5

R.T.: 6.561 min
Delta R.T.: -0.008 min
Response: 1730383
Conc: 33.94 ng/ml



#20 AR-1242-5

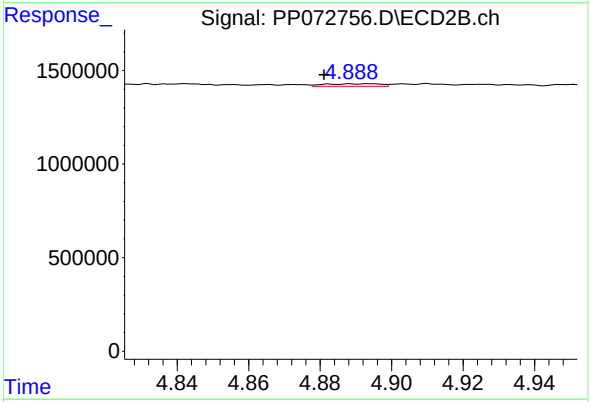
R.T.: 5.671 min
Delta R.T.: -0.013 min
Response: 1375798
Conc: 28.51 ng/ml



#21 AR-1248-1

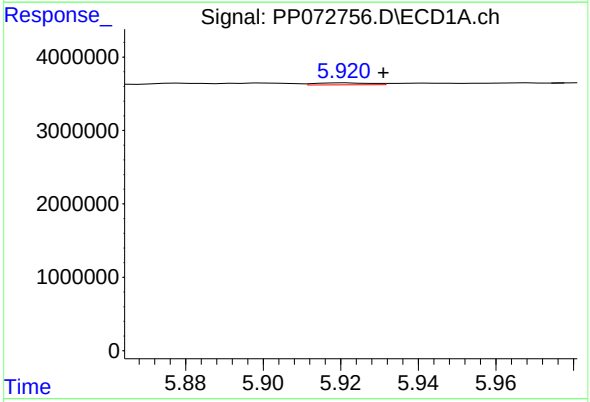
R.T.: 5.636 min
Delta R.T.: -0.023 min
Response: 170184
Conc: 3.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



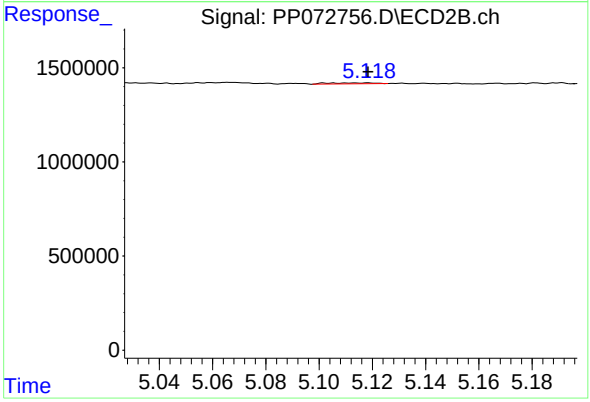
#21 AR-1248-1

R.T.: 4.894 min
Delta R.T.: 0.013 min
Response: 150350
Conc: 3.47 ng/ml



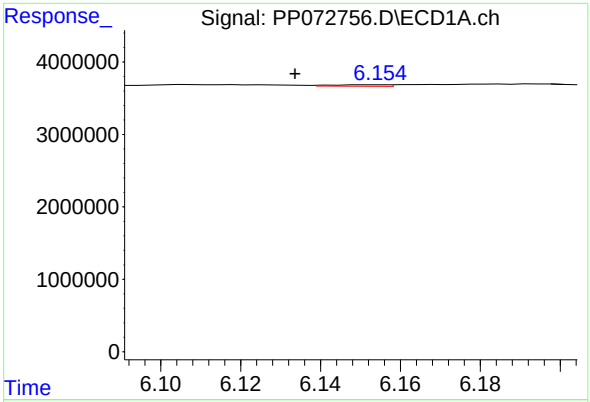
#22 AR-1248-2

R.T.: 5.922 min
Delta R.T.: -0.009 min
Response: 259080
Conc: 4.27 ng/ml



#22 AR-1248-2

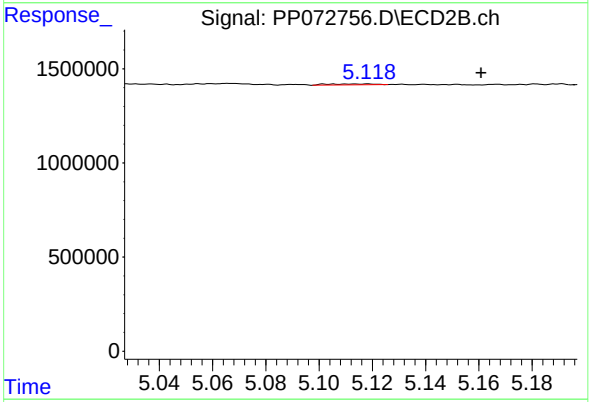
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 62808
Conc: 1.11 ng/ml



#23 AR-1248-3

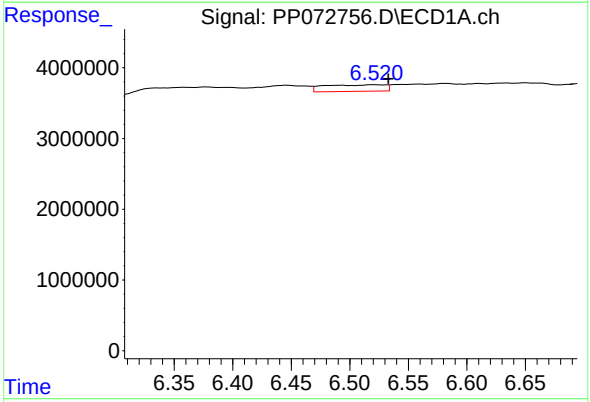
R.T.: 6.154 min
Delta R.T.: 0.020 min
Response: 212020
Conc: 3.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



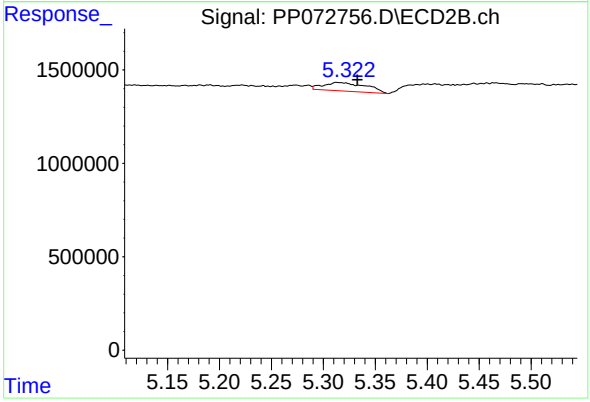
#23 AR-1248-3

R.T.: 5.118 min
Delta R.T.: -0.042 min
Response: 62808
Conc: 1.06 ng/ml



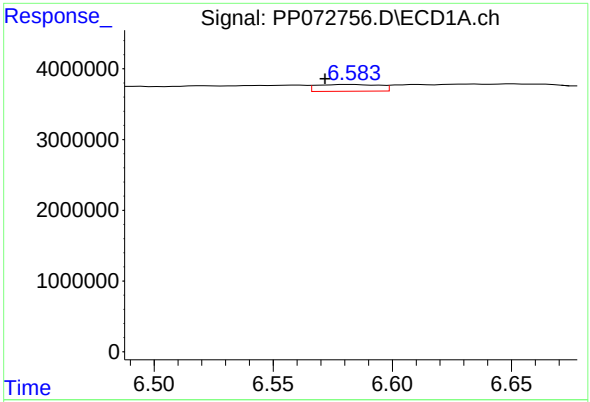
#24 AR-1248-4

R.T.: 6.522 min
Delta R.T.: -0.011 min
Response: 3337313
Conc: 38.19 ng/ml



#24 AR-1248-4

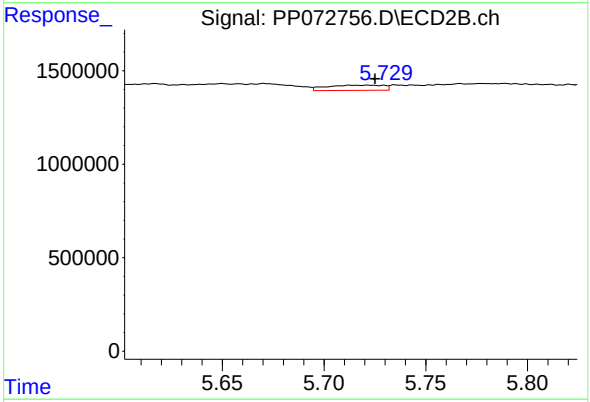
R.T.: 5.313 min
Delta R.T.: -0.020 min
Response: 1311359
Conc: 18.83 ng/ml



#25 AR-1248-5

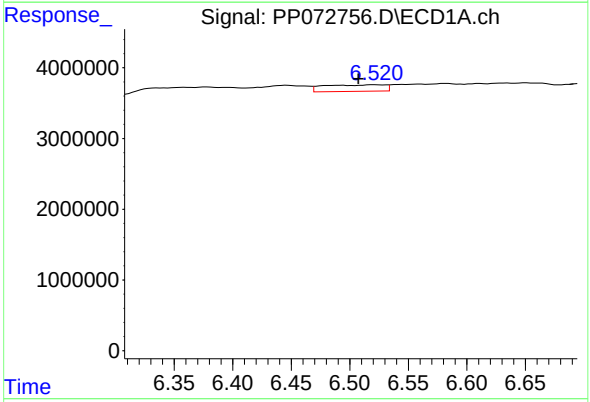
R.T.: 6.582 min
Delta R.T.: 0.010 min
Response: 1760479
Conc: 21.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



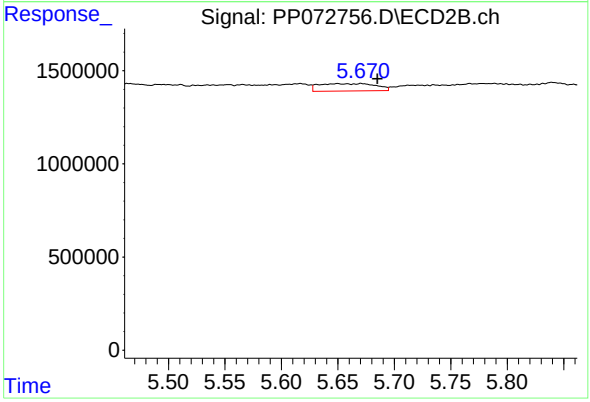
#25 AR-1248-5

R.T.: 5.722 min
Delta R.T.: -0.003 min
Response: 547059
Conc: 7.84 ng/ml



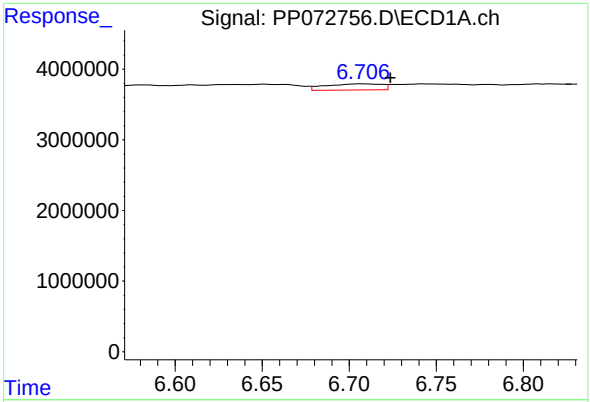
#26 AR-1254-1

R.T.: 6.522 min
Delta R.T.: 0.014 min
Response: 3337313
Conc: 38.80 ng/ml



#26 AR-1254-1

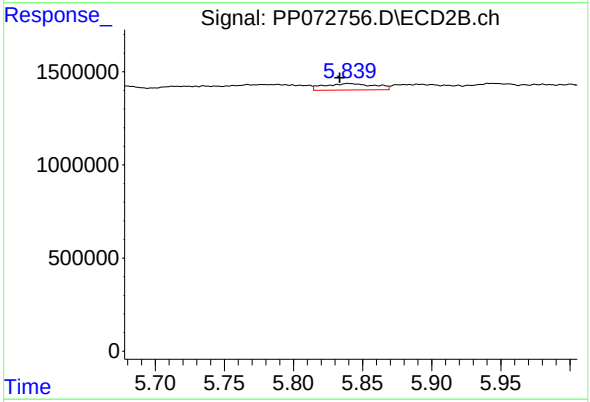
R.T.: 5.671 min
Delta R.T.: -0.014 min
Response: 1375798
Conc: 13.76 ng/ml



#27 AR-1254-2

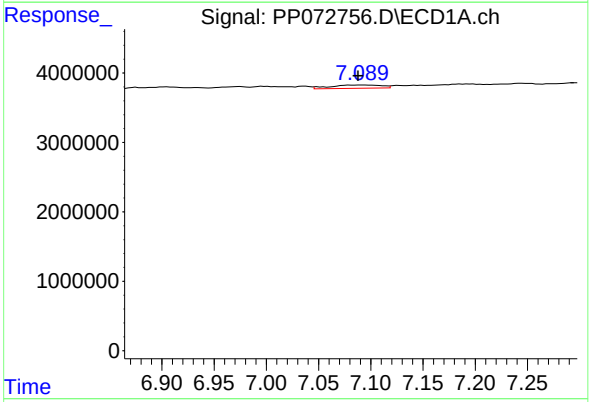
R.T.: 6.708 min
Delta R.T.: -0.016 min
Response: 1949940
Conc: 14.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



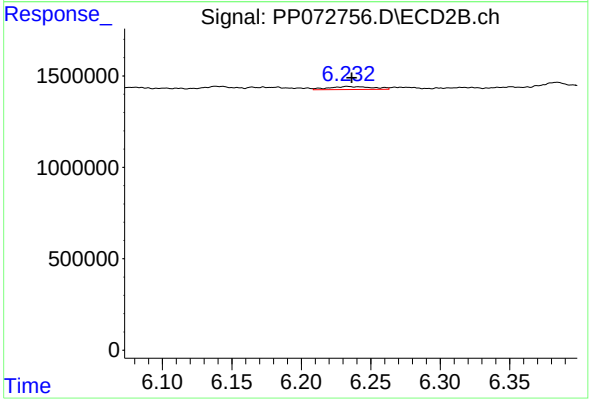
#27 AR-1254-2

R.T.: 5.840 min
Delta R.T.: 0.006 min
Response: 878538
Conc: 10.18 ng/ml



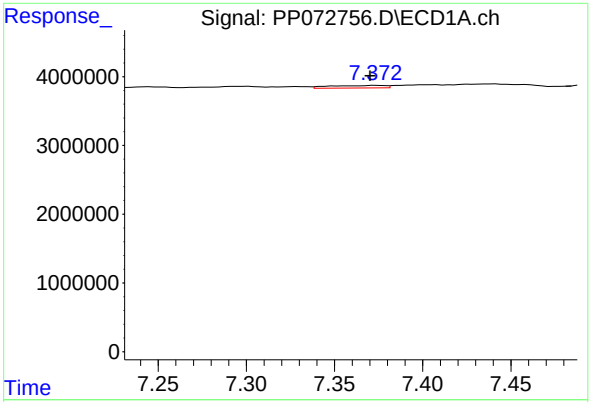
#28 AR-1254-3

R.T.: 7.091 min
Delta R.T.: 0.003 min
Response: 1574767
Conc: 11.93 ng/ml



#28 AR-1254-3

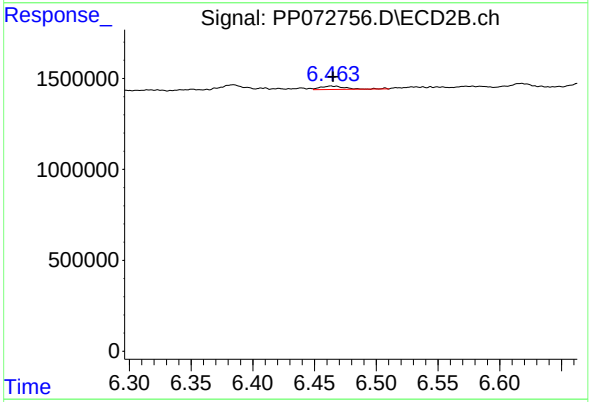
R.T.: 6.233 min
Delta R.T.: -0.003 min
Response: 366034
Conc: 2.85 ng/ml



#29 AR-1254-4

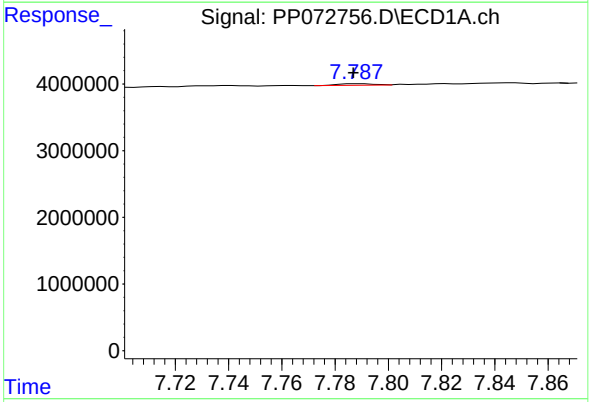
R.T.: 7.373 min
Delta R.T.: 0.003 min
Response: 821347
Conc: 6.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



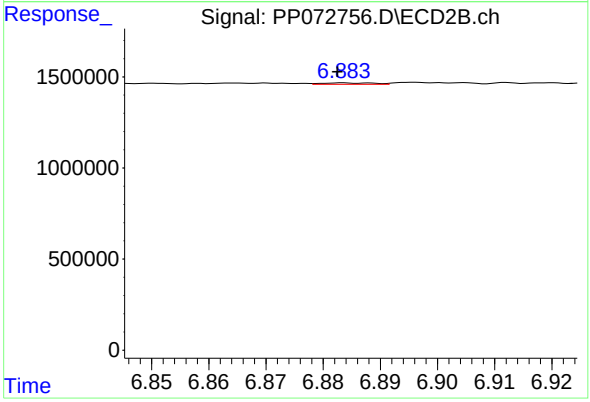
#29 AR-1254-4

R.T.: 6.463 min
Delta R.T.: -0.001 min
Response: 263105
Conc: 3.08 ng/ml



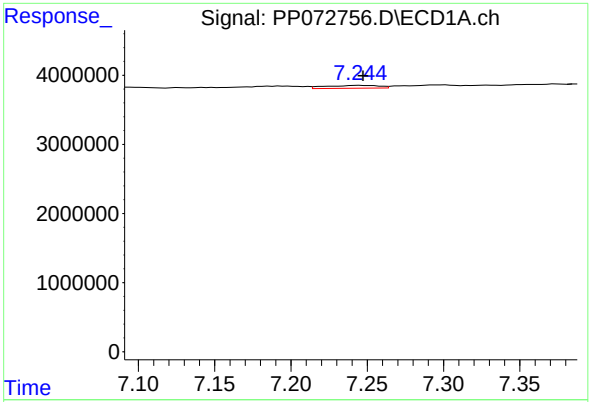
#30 AR-1254-5

R.T.: 7.789 min
Delta R.T.: 0.002 min
Response: 220183
Conc: 1.98 ng/ml



#30 AR-1254-5

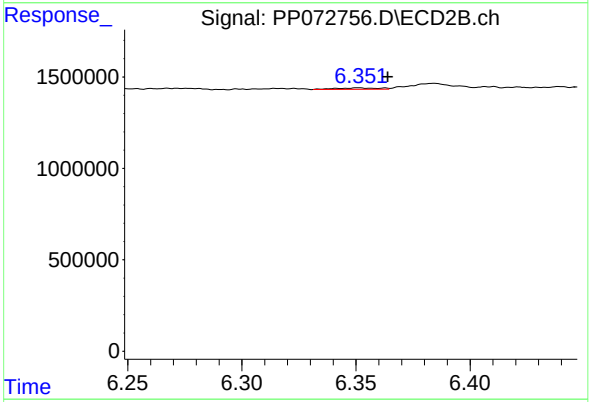
R.T.: 6.884 min
Delta R.T.: 0.001 min
Response: 47621
Conc: 0.42 ng/ml



#31 AR-1260-1

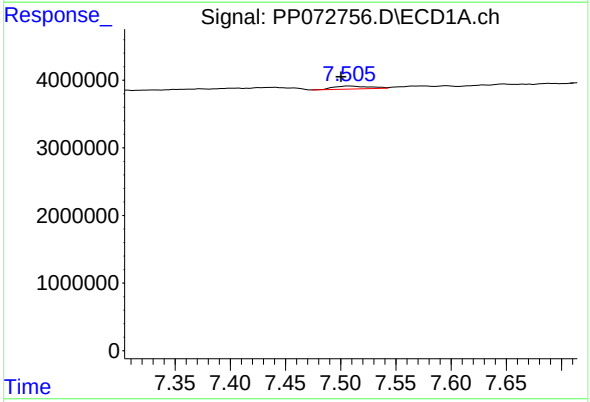
R.T.: 7.245 min
Delta R.T.: -0.002 min
Response: 1025015
Conc: 10.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



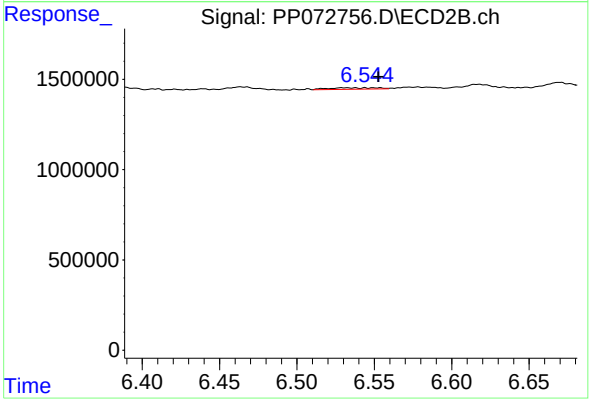
#31 AR-1260-1

R.T.: 6.351 min
Delta R.T.: -0.013 min
Response: 99111
Conc: 1.24 ng/ml



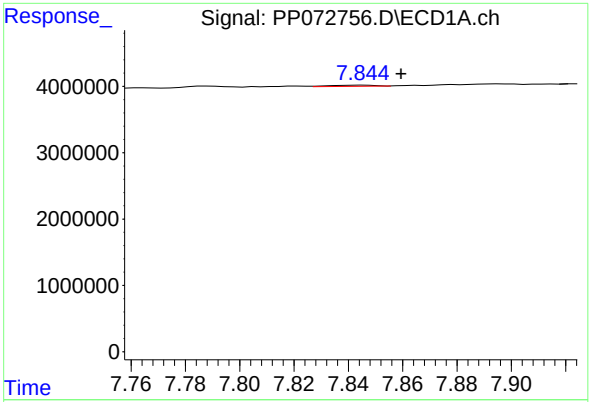
#32 AR-1260-2

R.T.: 7.507 min
Delta R.T.: 0.007 min
Response: 971661
Conc: 6.77 ng/ml



#32 AR-1260-2

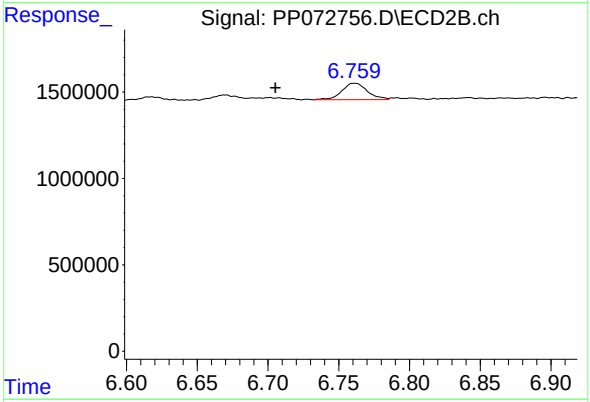
R.T.: 6.538 min
Delta R.T.: -0.015 min
Response: 182435
Conc: 1.80 ng/ml



#33 AR-1260-3

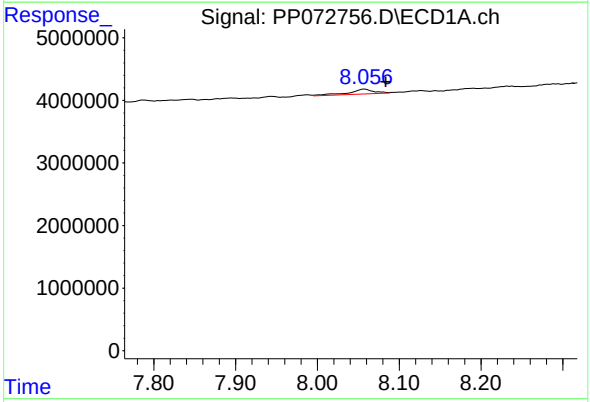
R.T.: 7.846 min
Delta R.T.: -0.013 min
Response: 190667
Conc: 1.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



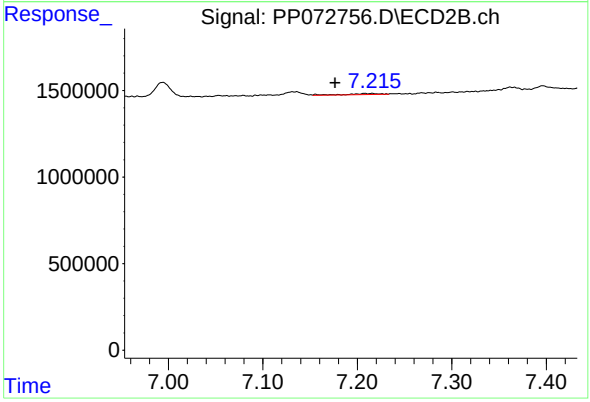
#33 AR-1260-3

R.T.: 6.761 min
Delta R.T.: 0.056 min
Response: 1184658
Conc: 13.63 ng/ml



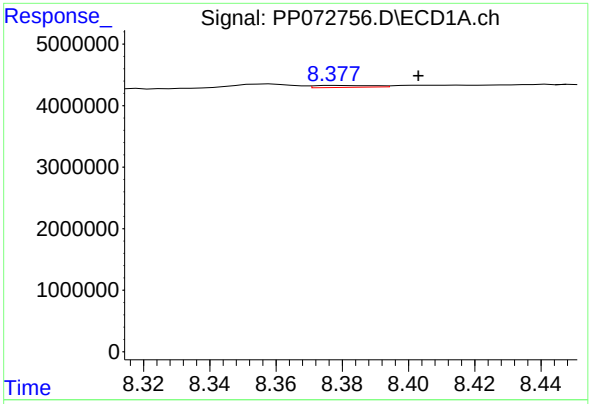
#34 AR-1260-4

R.T.: 8.058 min
Delta R.T.: -0.026 min
Response: 1639757
Conc: 15.28 ng/ml



#34 AR-1260-4

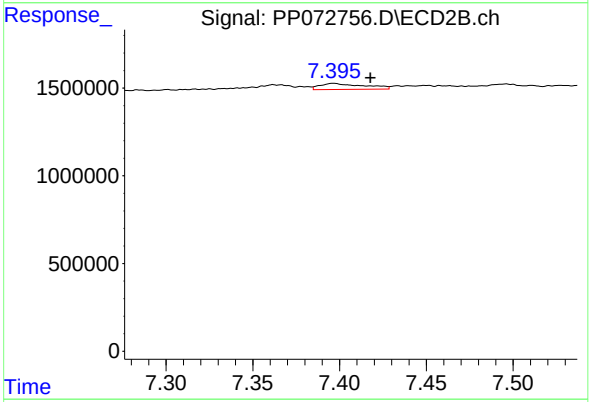
R.T.: 7.216 min
Delta R.T.: 0.039 min
Response: 144131
Conc: 2.00 ng/ml



#35 AR-1260-5

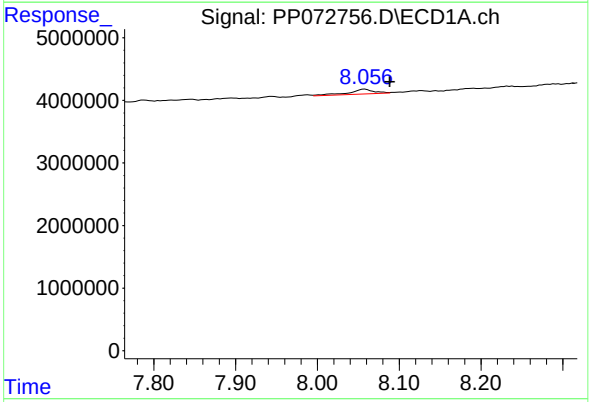
R.T.: 8.378 min
Delta R.T.: -0.025 min
Response: 392103
Conc: 1.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



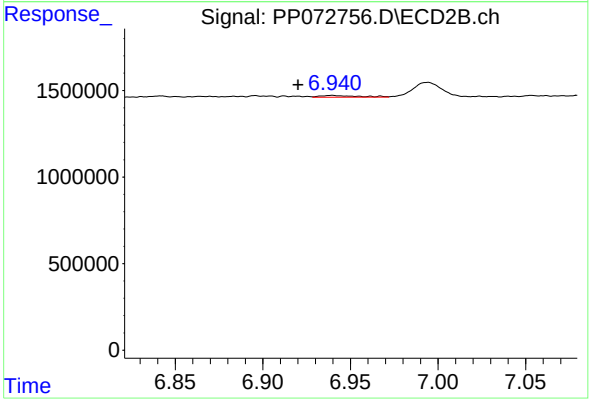
#35 AR-1260-5

R.T.: 7.396 min
Delta R.T.: -0.021 min
Response: 622081
Conc: 3.58 ng/ml



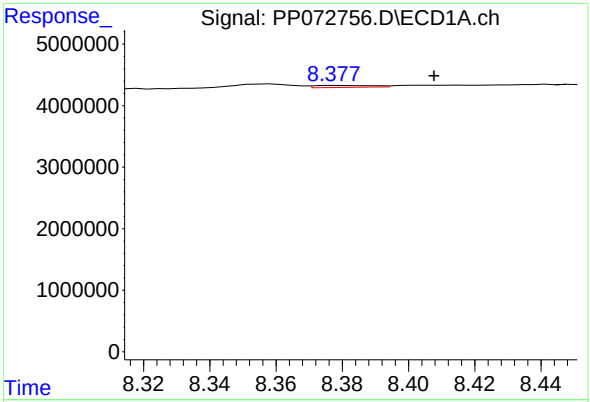
#36 AR-1262-1

R.T.: 8.058 min
Delta R.T.: -0.030 min
Response: 1639757
Conc: 12.31 ng/ml



#36 AR-1262-1

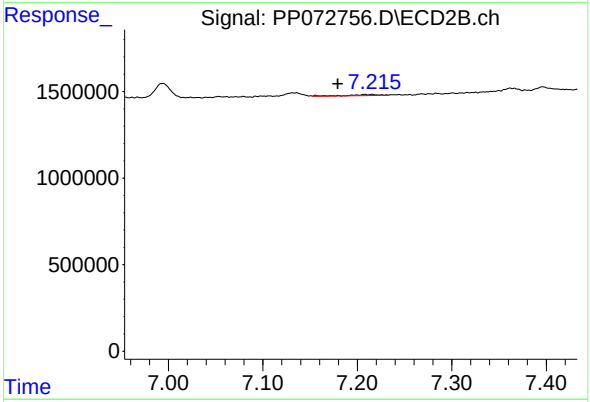
R.T.: 6.940 min
Delta R.T.: 0.019 min
Response: 157049
Conc: 1.39 ng/ml



#37 AR-1262-2

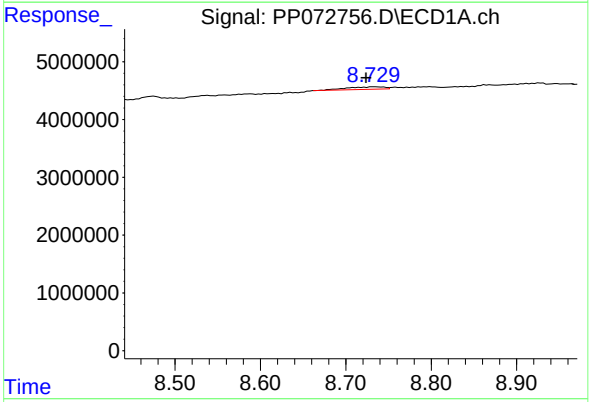
R.T.: 8.378 min
Delta R.T.: -0.029 min
Response: 392103
Conc: 1.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



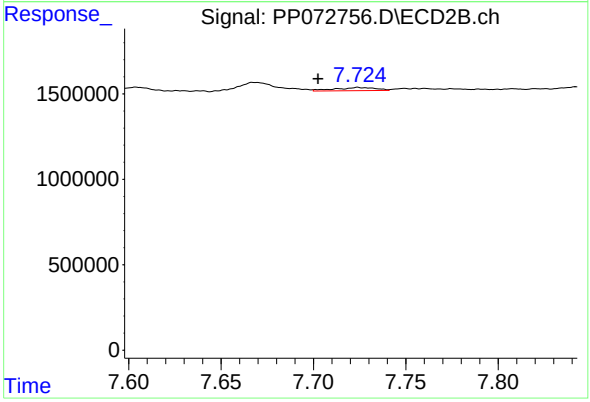
#37 AR-1262-2

R.T.: 7.216 min
Delta R.T.: 0.036 min
Response: 144131
Conc: 1.48 ng/ml



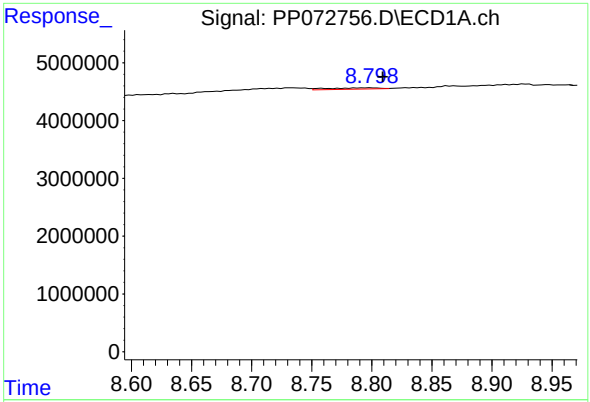
#38 AR-1262-3

R.T.: 8.733 min
Delta R.T.: 0.009 min
Response: 1342416
Conc: 7.24 ng/ml



#38 AR-1262-3

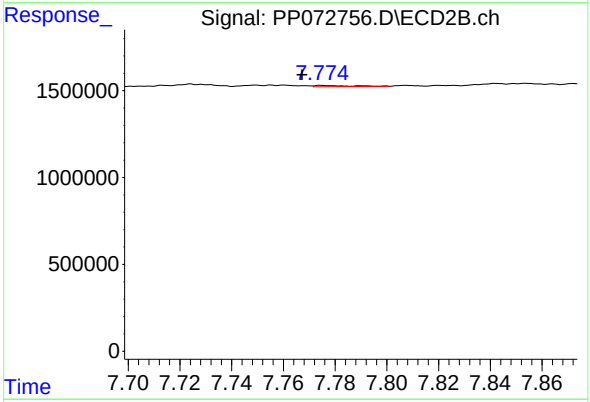
R.T.: 7.724 min
Delta R.T.: 0.022 min
Response: 292178
Conc: 3.58 ng/ml



#39 AR-1262-4

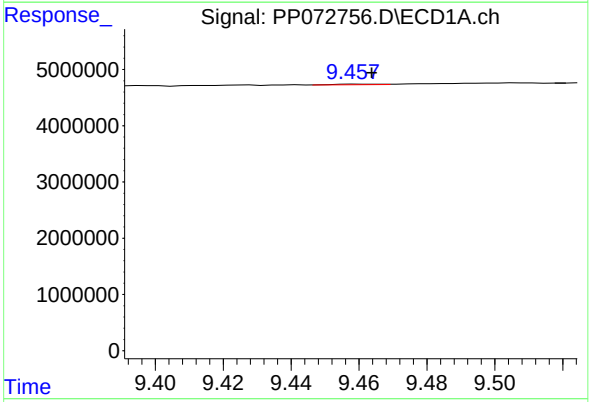
R.T.: 8.799 min
Delta R.T.: -0.010 min
Response: 652167
Conc: 4.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



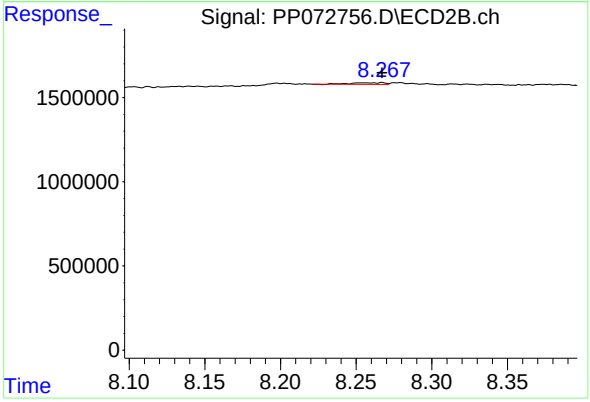
#39 AR-1262-4

R.T.: 7.775 min
Delta R.T.: 0.008 min
Response: 64536
Conc: 0.46 ng/ml



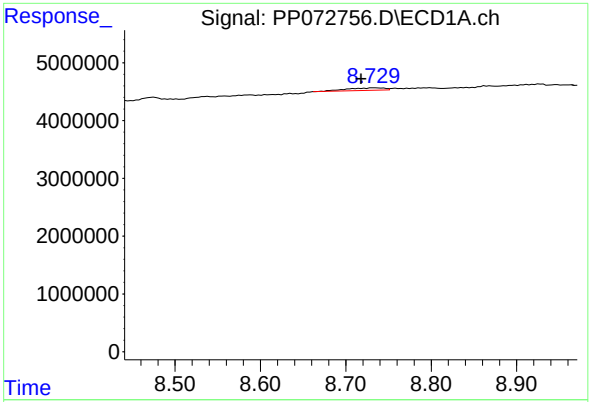
#40 AR-1262-5

R.T.: 9.459 min
Delta R.T.: -0.005 min
Response: 95091
Conc: 1.03 ng/ml



#40 AR-1262-5

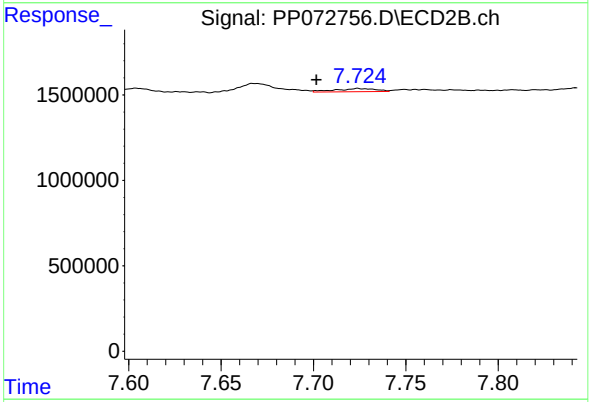
R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 159541
Conc: 2.45 ng/ml



#41 AR-1268-1

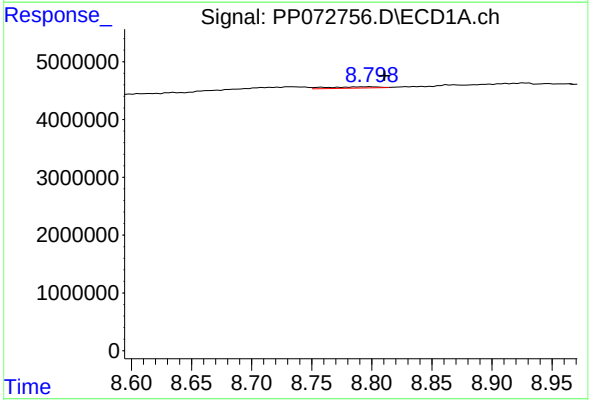
R.T.: 8.733 min
Delta R.T.: 0.015 min
Response: 1342416
Conc: 4.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



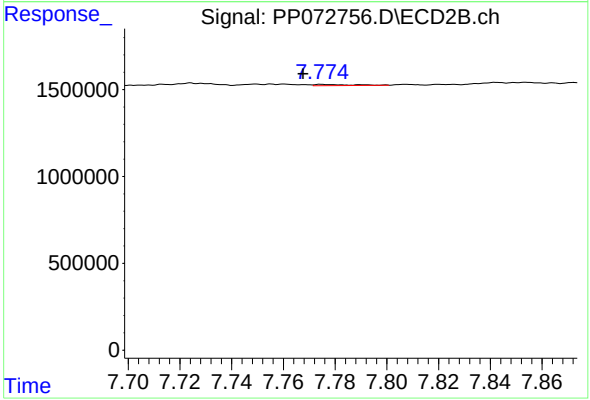
#41 AR-1268-1

R.T.: 7.724 min
Delta R.T.: 0.023 min
Response: 292178
Conc: 1.25 ng/ml



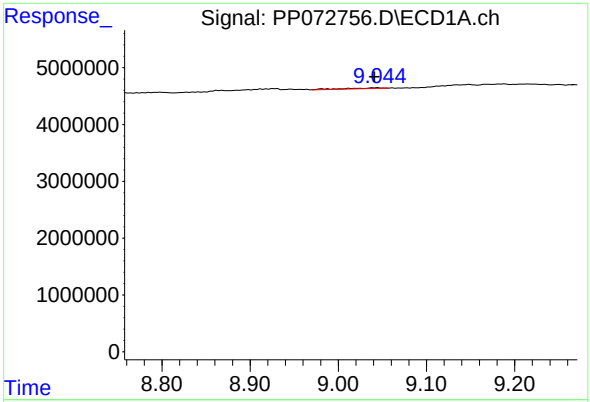
#42 AR-1268-2

R.T.: 8.799 min
Delta R.T.: -0.012 min
Response: 652167
Conc: 2.33 ng/ml



#42 AR-1268-2

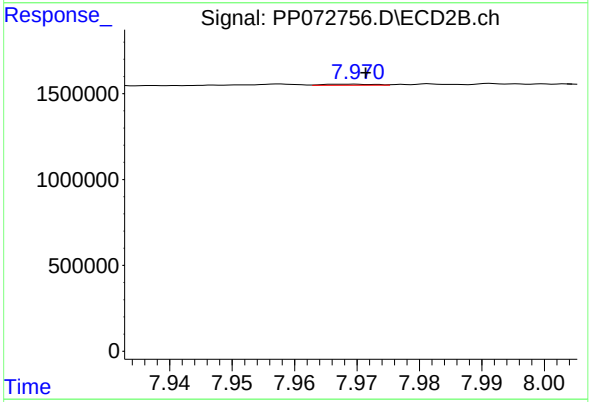
R.T.: 7.775 min
Delta R.T.: 0.007 min
Response: 64536
Conc: 0.31 ng/ml



#43 AR-1268-3

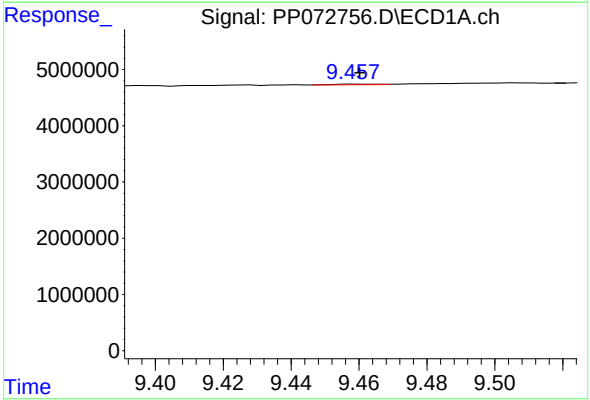
R.T.: 9.045 min
Delta R.T.: 0.004 min
Response: 372595
Conc: 1.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



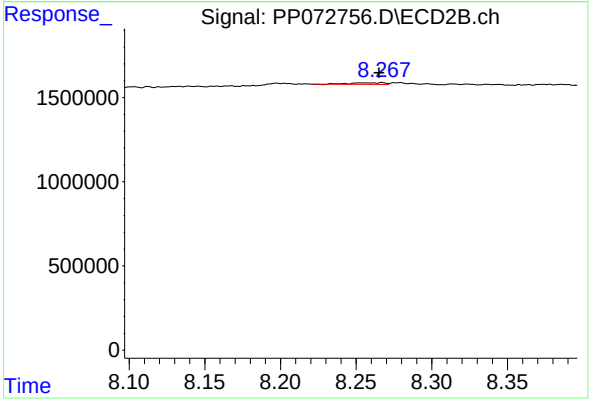
#43 AR-1268-3

R.T.: 7.969 min
Delta R.T.: -0.003 min
Response: 36379
Conc: 0.21 ng/ml



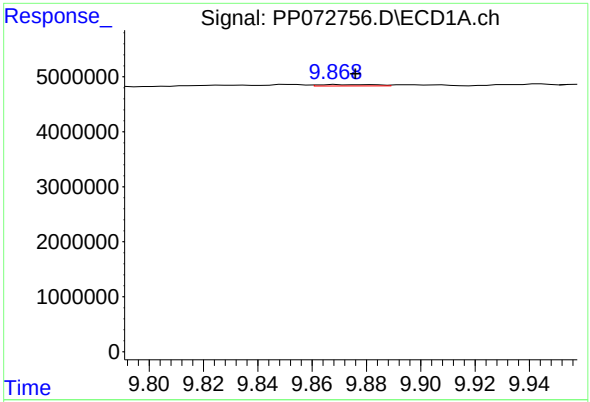
#44 AR-1268-4

R.T.: 9.459 min
Delta R.T.: -0.001 min
Response: 95091
Conc: 0.91 ng/ml



#44 AR-1268-4

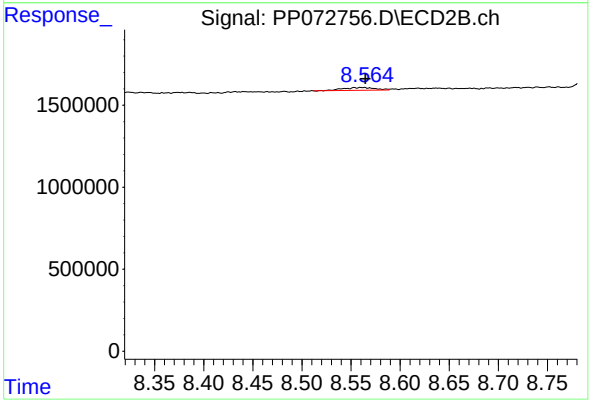
R.T.: 8.267 min
Delta R.T.: 0.002 min
Response: 159541
Conc: 2.19 ng/ml



#45 AR-1268-5

R.T.: 9.869 min
Delta R.T.: -0.007 min
Response: 378787
Conc: 0.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-PCS-TC-37-060525



#45 AR-1268-5

R.T.: 8.553 min
Delta R.T.: -0.011 min
Response: 381425
Conc: 0.83 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 20:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.499	3.793	104.3E6	86446154	51.845	54.084	
2)	SA Decachlor...	10.197	8.807	82176332	58080136	50.442	54.865	
	Target Compounds							
3)	L1 AR-1016-1	5.651	4.873	34156326	32109251	454.910	522.701	
4)	L1 AR-1016-2	5.672	4.891	53135454	46843265	496.632	533.587	
5)	L1 AR-1016-3	5.734	5.068	32070548	25471036	489.142	534.494	
6)	L1 AR-1016-4	5.831	5.110	26990746	20596751	506.678	541.374	
7)	L1 AR-1016-5	6.124	5.324	24585249	27725790	502.671	556.470	
8)	L2 AR-1221-1	4.697	4.001	3875041	3828269	148.230	142.791	
9)	L2 AR-1221-2	4.786	4.089	5946639	5519011	291.512	268.762	
10)	L2 AR-1221-3	4.861	4.164	20332404	18917863	336.076	321.253	
11)	L3 AR-1232-1	4.861	4.164	20332404	18917863	431.608	436.453	
12)	L3 AR-1232-2	5.386	4.891	25890851	46843265	1111.998	1060.265	
13)	L3 AR-1232-3	5.672	5.068	53135454	25471036	1061.369	1089.293	
14)	L3 AR-1232-4	5.831	5.152	26990746	24466214	1075.369	1180.793	
15)	L3 AR-1232-5	5.921	5.324	21345545	27725790	1218.385	1197.429	
16)	L4 AR-1242-1	5.651	4.873	34156326	32109251	545.651	616.201	
17)	L4 AR-1242-2	5.672	4.891	53135454	46843265	612.302	637.356	
18)	L4 AR-1242-3	5.734	5.068	32070548	25471036	582.403	651.008	
19)	L4 AR-1242-4	5.831	5.152	26990746	24466214	608.598	650.995	
20)	L4 AR-1242-5	6.562	5.675	8145150	26528180	159.756	549.720	#
21)	L5 AR-1248-1	5.651	4.873	34156326	32109251	705.775	741.183	
22)	L5 AR-1248-2	5.921	5.110	21345545	20596751	352.004	364.691	
23)	L5 AR-1248-3	6.124	5.152	24585249	24466214	371.490	413.930	
24)	L5 AR-1248-4	6.521	5.324	8665062	27725790	99.152	398.057	#
25)	L5 AR-1248-5	6.562	5.715	8145150	7558049	98.104	108.376	
26)	L6 AR-1254-1	6.498	5.675	22859736	26528180	265.801	265.403	
27)	L6 AR-1254-2	6.714	5.823	20811279	18977647	159.257	219.886	#
28)	L6 AR-1254-3	7.077	6.240	12194201	34269748	92.378	266.440	#
29)	L6 AR-1254-4	7.360	6.454	9904787	5580921	75.893	65.430	
30)	L6 AR-1254-5	7.774	6.870	69826712	56236402	627.675	496.124	
31)	L7 AR-1260-1	7.241	6.355	46062448	43900617	492.148	550.452	
32)	L7 AR-1260-2	7.495	6.545	69168660	52879305	482.046	521.378	
33)	L7 AR-1260-3	7.853	6.696	56686980	47213935	497.818	543.299	
34)	L7 AR-1260-4	8.076	7.167	53651847	39876026	500.005	553.135	
35)	L7 AR-1260-5	8.395	7.409	121.5E6	96274188	513.263	554.498	
36)	L8 AR-1262-1	8.076	6.908	53651847	46234897	402.655	409.056	
37)	L8 AR-1262-2	8.395	7.167	121.5E6	39876026	445.950	410.556	
38)	L8 AR-1262-3	8.716	7.689	75488649	25080148	406.882	307.614	
39)	L8 AR-1262-4	8.780	7.753	47506286	66932362	353.783	475.966	#
40)	L8 AR-1262-5	9.448	8.252	30960425	25641102	334.850	393.970	
41)	L9 AR-1268-1	8.716	7.689	75488649	25080148	226.590	107.081	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 20:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.780	7.753	47506286	66932362	169.672	323.627 #
43) L9	AR-1268-3	9.029	7.958	2248414	1201399	9.312	7.093
44) L9	AR-1268-4	9.448	8.252	30960425	25641102	295.007	351.455
45) L9	AR-1268-5	9.862	8.549	8676944	6954050	12.817	15.218

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

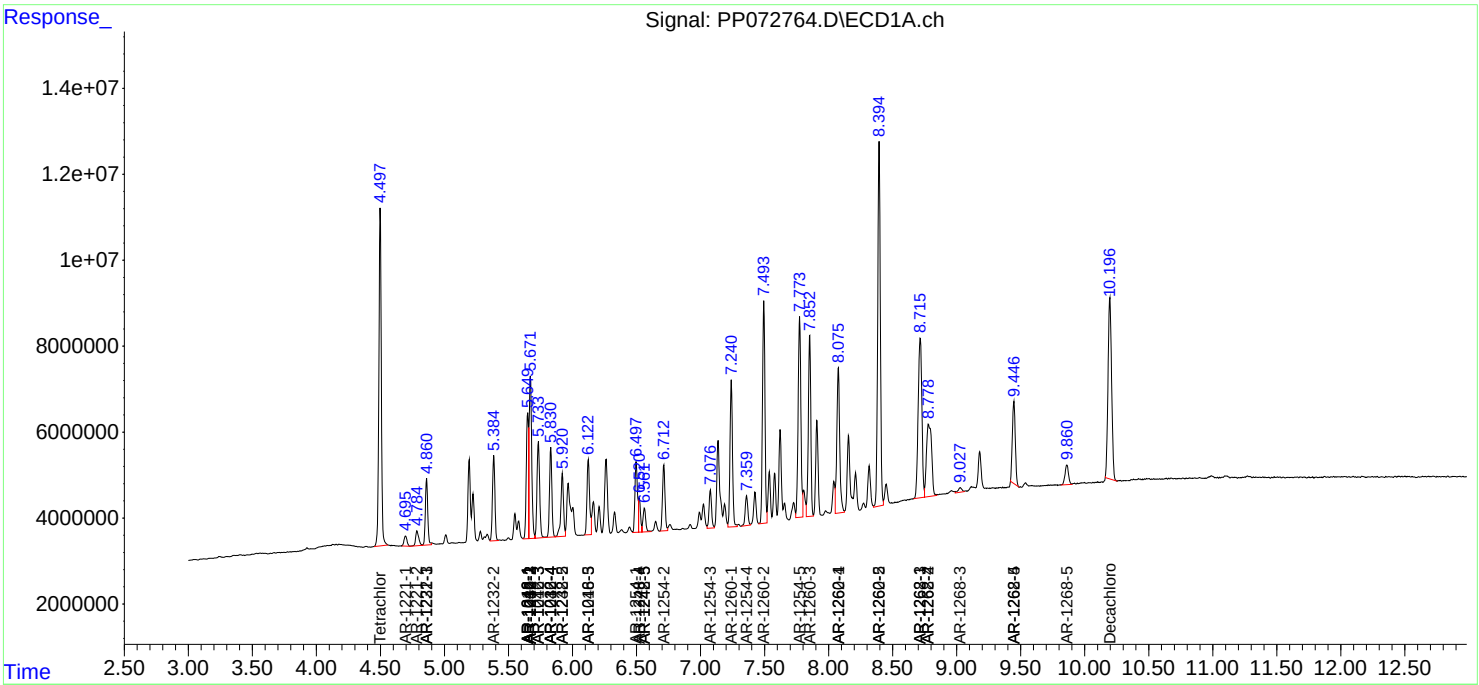
Quantitation Report (Not Reviewed)

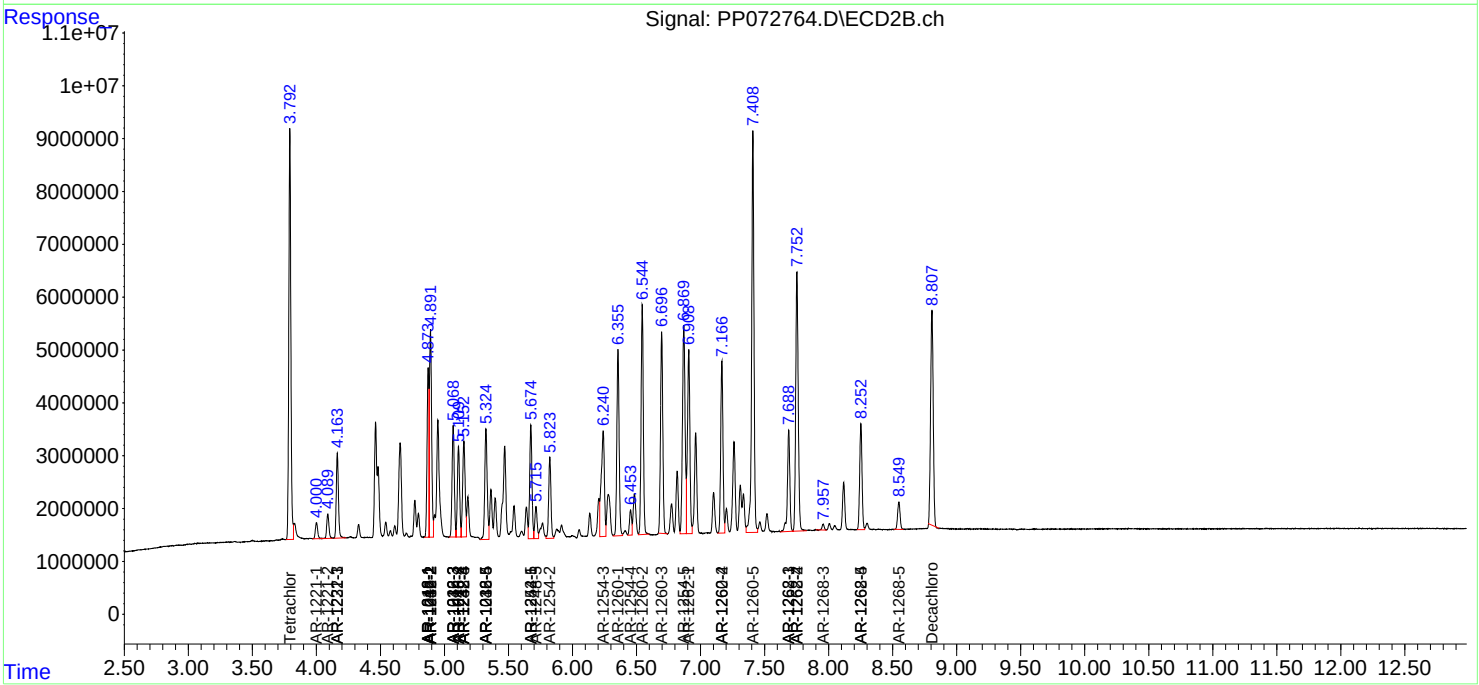
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 20:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

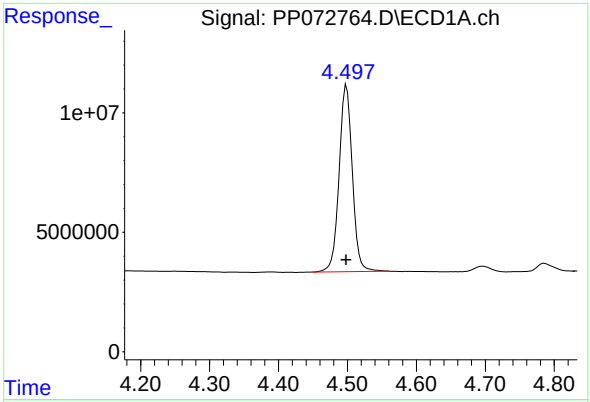
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



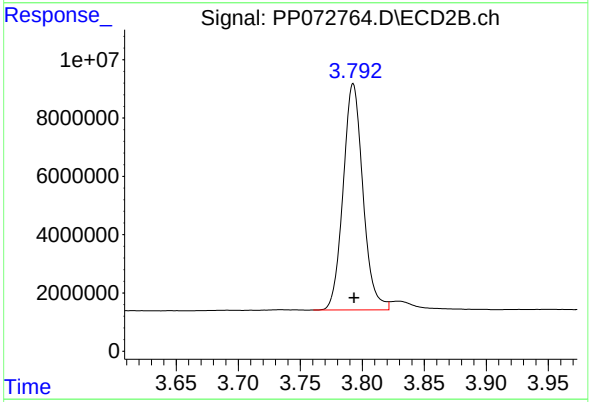




#1 Tetrachloro-m-xylene

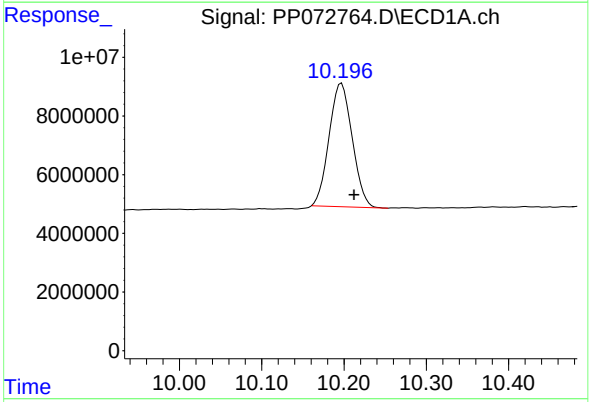
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 104250125
Conc: 51.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



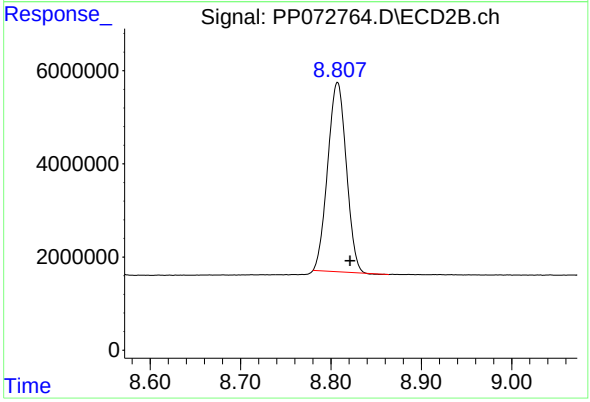
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 86446154
Conc: 54.08 ng/ml



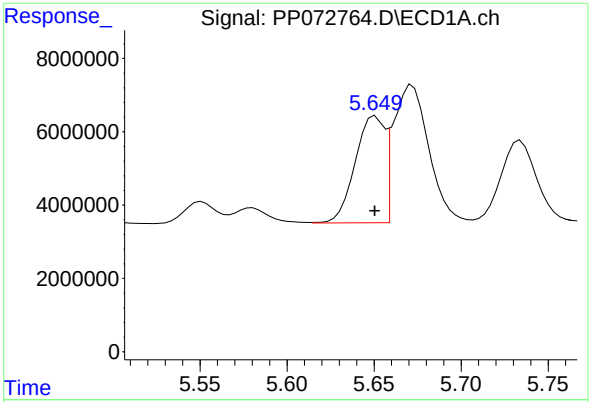
#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: -0.015 min
Response: 82176332
Conc: 50.44 ng/ml



#2 Decachlorobiphenyl

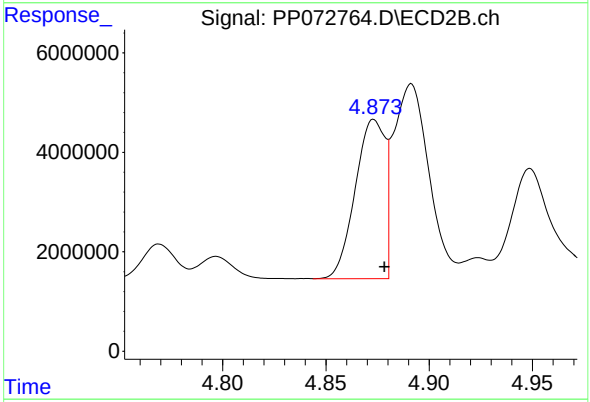
R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 58080136
Conc: 54.86 ng/ml



#3 AR-1016-1

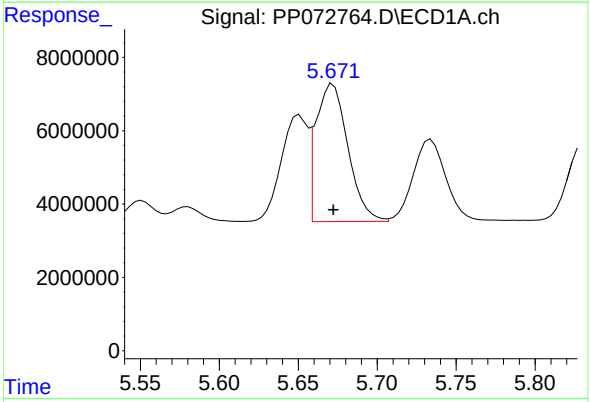
R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 34156326
Conc: 454.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



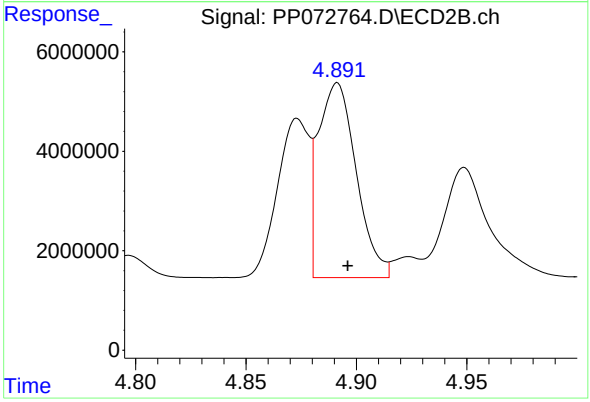
#3 AR-1016-1

R.T.: 4.873 min
Delta R.T.: -0.005 min
Response: 32109251
Conc: 522.70 ng/ml



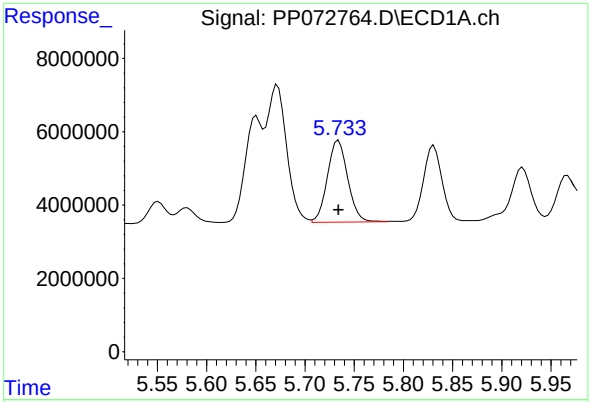
#4 AR-1016-2

R.T.: 5.672 min
Delta R.T.: 0.000 min
Response: 53135454
Conc: 496.63 ng/ml



#4 AR-1016-2

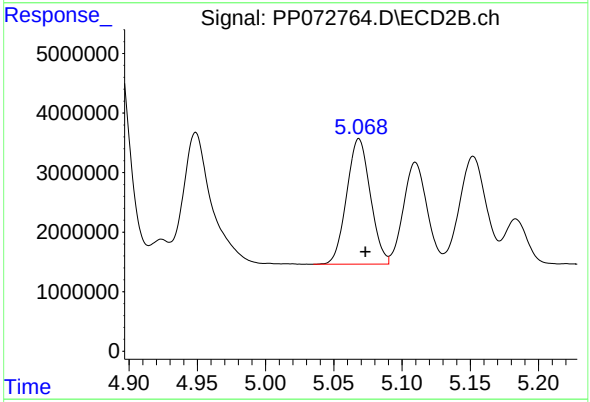
R.T.: 4.891 min
Delta R.T.: -0.005 min
Response: 46843265
Conc: 533.59 ng/ml



#5 AR-1016-3

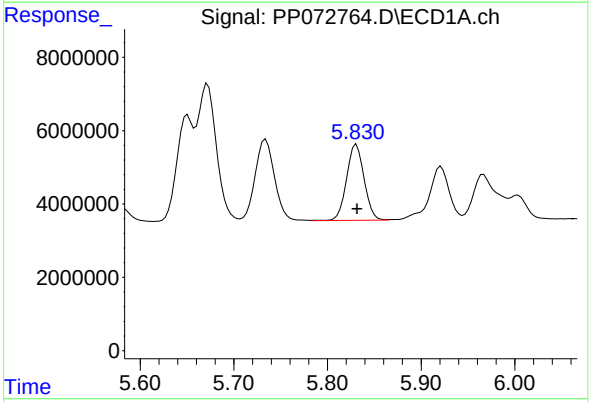
R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 32070548
Conc: 489.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



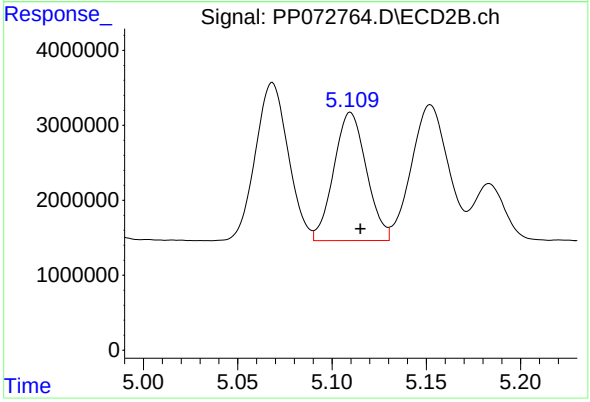
#5 AR-1016-3

R.T.: 5.068 min
Delta R.T.: -0.005 min
Response: 25471036
Conc: 534.49 ng/ml



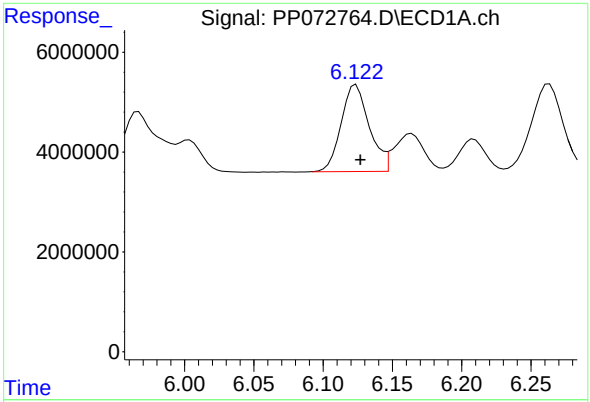
#6 AR-1016-4

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 26990746
Conc: 506.68 ng/ml



#6 AR-1016-4

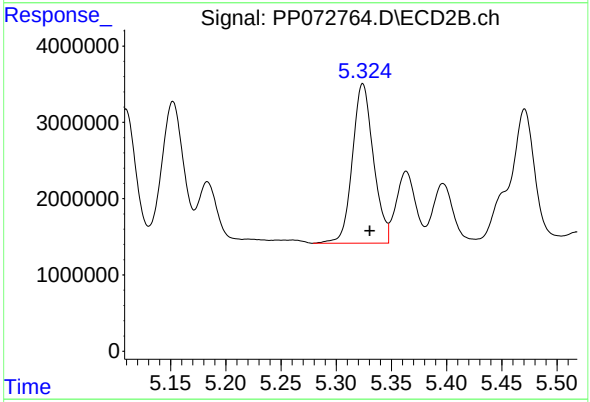
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 20596751
Conc: 541.37 ng/ml



#7 AR-1016-5

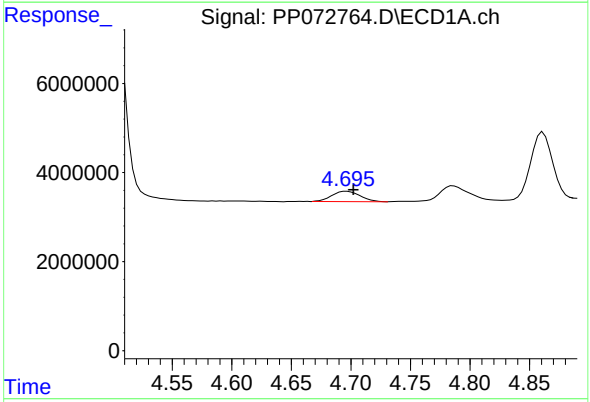
R.T.: 6.124 min
Delta R.T.: -0.003 min
Response: 24585249
Conc: 502.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



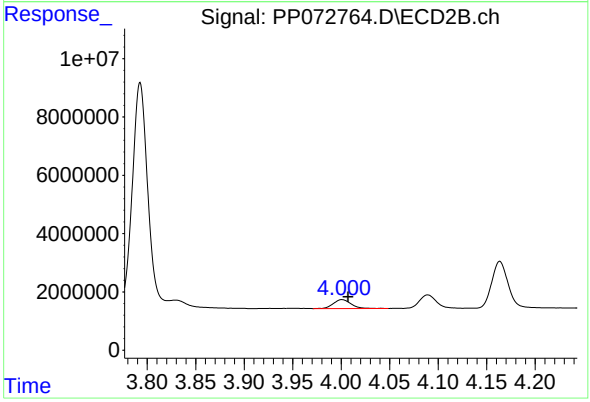
#7 AR-1016-5

R.T.: 5.324 min
Delta R.T.: -0.006 min
Response: 27725790
Conc: 556.47 ng/ml



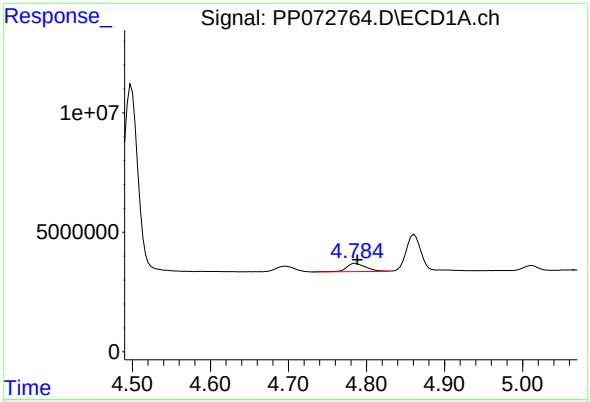
#8 AR-1221-1

R.T.: 4.697 min
Delta R.T.: -0.005 min
Response: 3875041
Conc: 148.23 ng/ml



#8 AR-1221-1

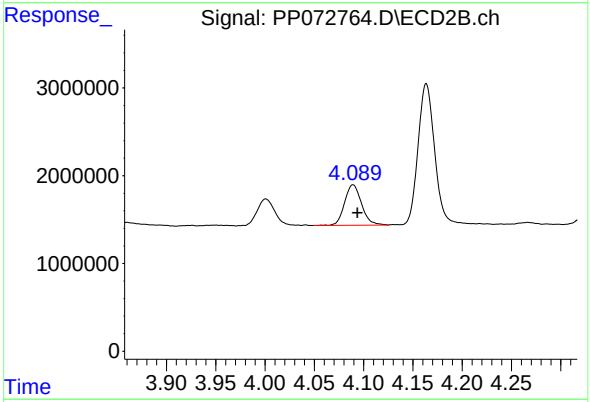
R.T.: 4.001 min
Delta R.T.: -0.006 min
Response: 3828269
Conc: 142.79 ng/ml



#9 AR-1221-2

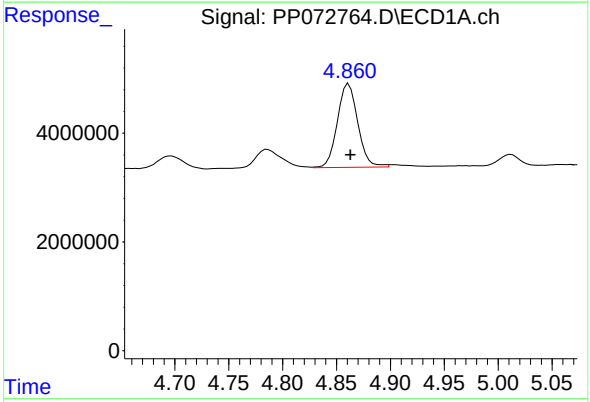
R.T.: 4.786 min
Delta R.T.: -0.003 min
Response: 5946639
Conc: 291.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



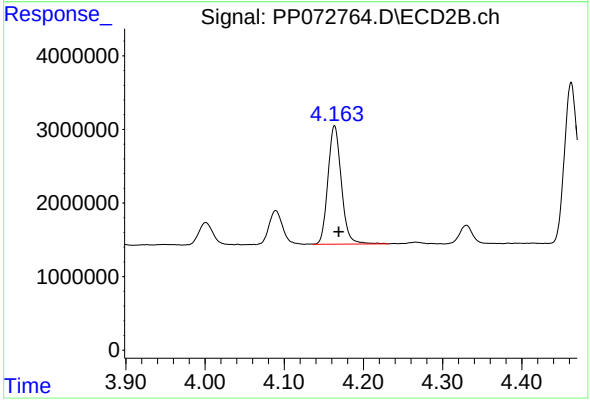
#9 AR-1221-2

R.T.: 4.089 min
Delta R.T.: -0.004 min
Response: 5519011
Conc: 268.76 ng/ml



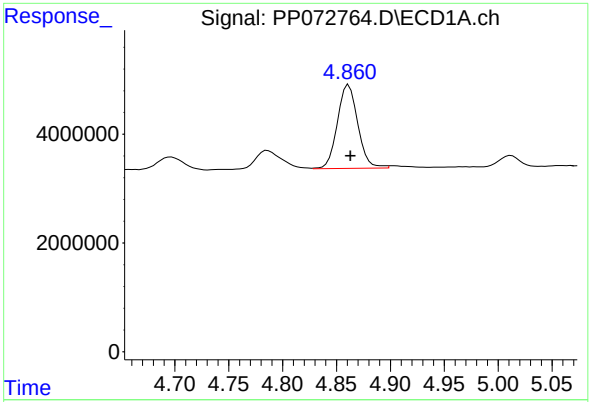
#10 AR-1221-3

R.T.: 4.861 min
Delta R.T.: -0.002 min
Response: 20332404
Conc: 336.08 ng/ml



#10 AR-1221-3

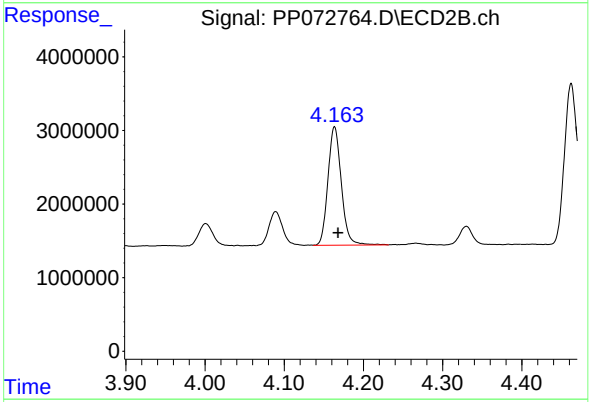
R.T.: 4.164 min
Delta R.T.: -0.005 min
Response: 18917863
Conc: 321.25 ng/ml



#11 AR-1232-1

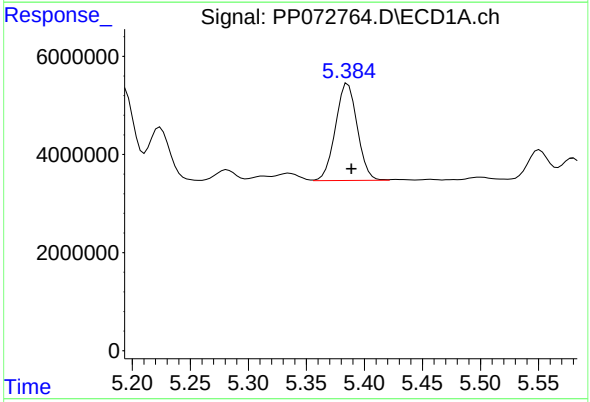
R.T.: 4.861 min
Delta R.T.: -0.001 min
Response: 20332404
Conc: 431.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



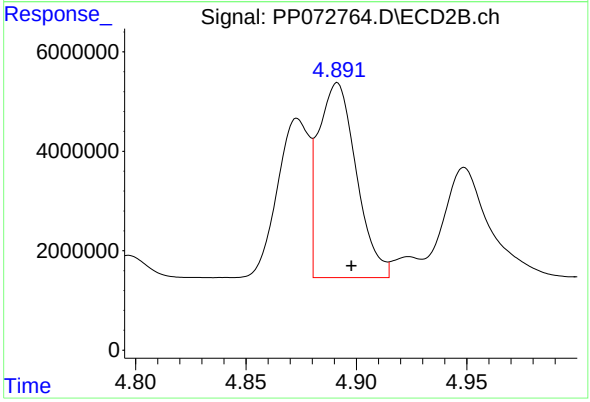
#11 AR-1232-1

R.T.: 4.164 min
Delta R.T.: -0.004 min
Response: 18917863
Conc: 436.45 ng/ml



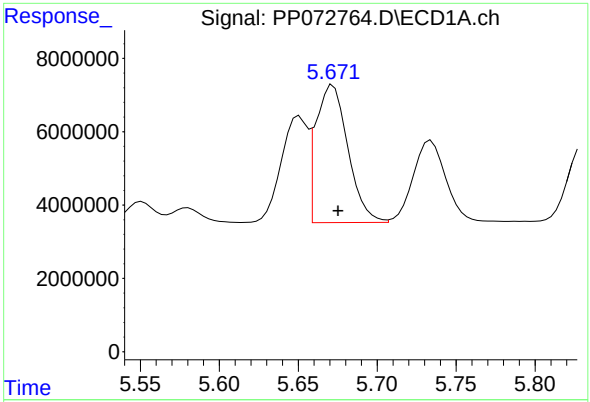
#12 AR-1232-2

R.T.: 5.386 min
Delta R.T.: -0.003 min
Response: 25890851
Conc: 1112.00 ng/ml



#12 AR-1232-2

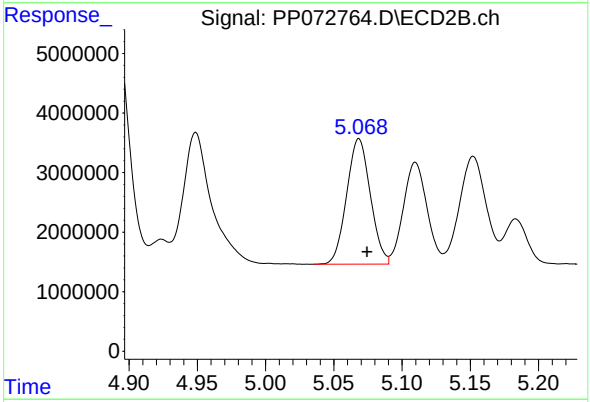
R.T.: 4.891 min
Delta R.T.: -0.006 min
Response: 46843265
Conc: 1060.27 ng/ml



#13 AR-1232-3

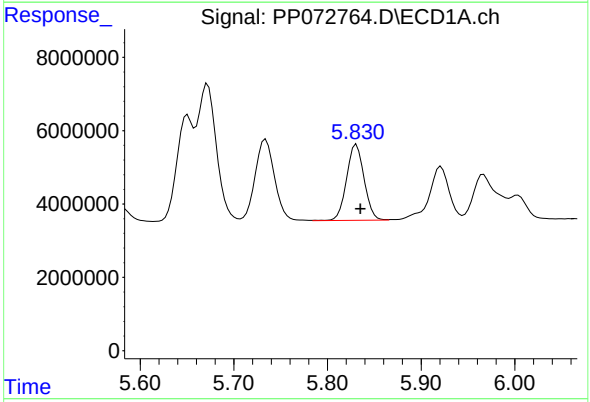
R.T.: 5.672 min
Delta R.T.: -0.003 min
Response: 53135454
Conc: 1061.37 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



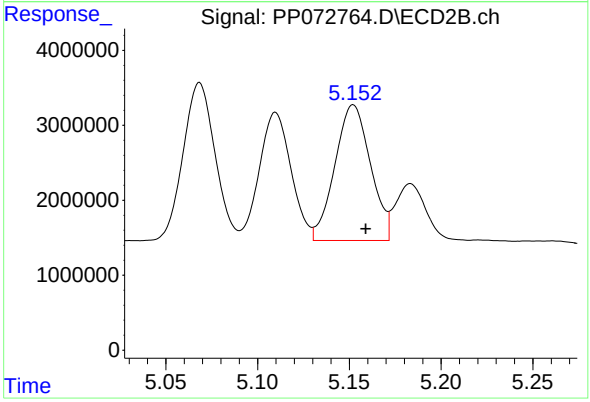
#13 AR-1232-3

R.T.: 5.068 min
Delta R.T.: -0.006 min
Response: 25471036
Conc: 1089.29 ng/ml



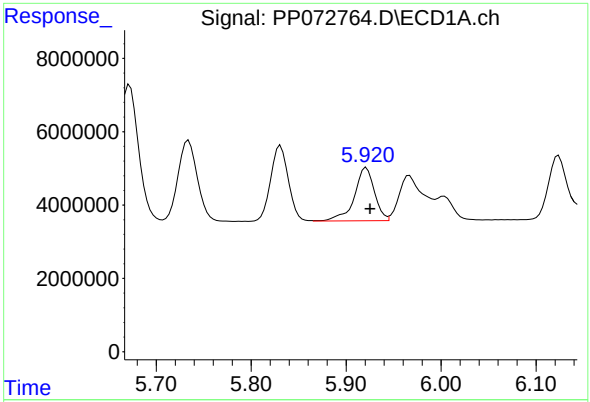
#14 AR-1232-4

R.T.: 5.831 min
Delta R.T.: -0.004 min
Response: 26990746
Conc: 1075.37 ng/ml



#14 AR-1232-4

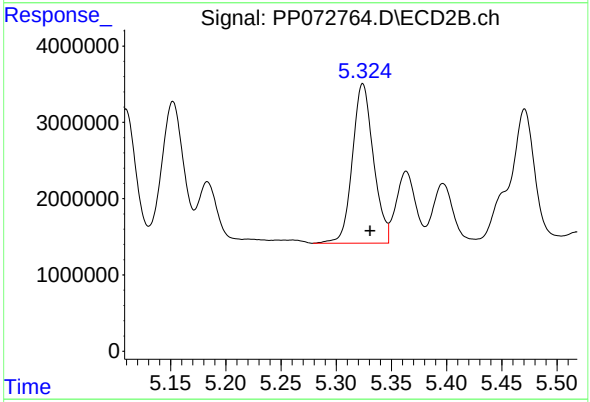
R.T.: 5.152 min
Delta R.T.: -0.007 min
Response: 24466214
Conc: 1180.79 ng/ml



#15 AR-1232-5

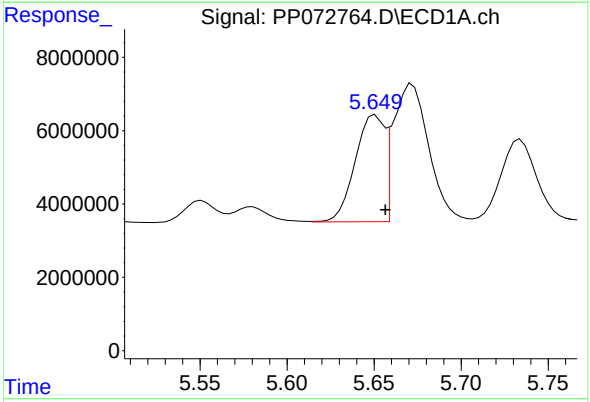
R.T.: 5.921 min
Delta R.T.: -0.004 min
Response: 21345545
Conc: 1218.38 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



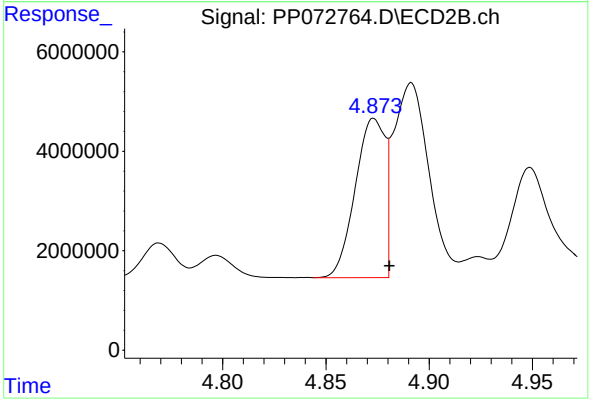
#15 AR-1232-5

R.T.: 5.324 min
Delta R.T.: -0.007 min
Response: 27725790
Conc: 1197.43 ng/ml



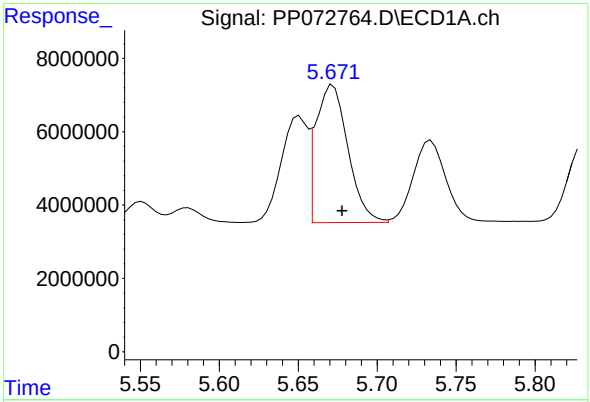
#16 AR-1242-1

R.T.: 5.651 min
Delta R.T.: -0.006 min
Response: 34156326
Conc: 545.65 ng/ml



#16 AR-1242-1

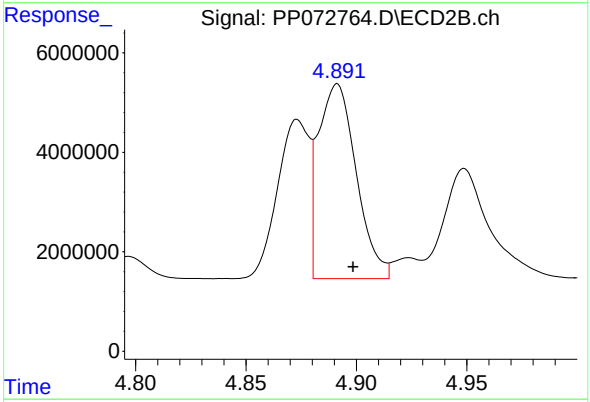
R.T.: 4.873 min
Delta R.T.: -0.007 min
Response: 32109251
Conc: 616.20 ng/ml



#17 AR-1242-2

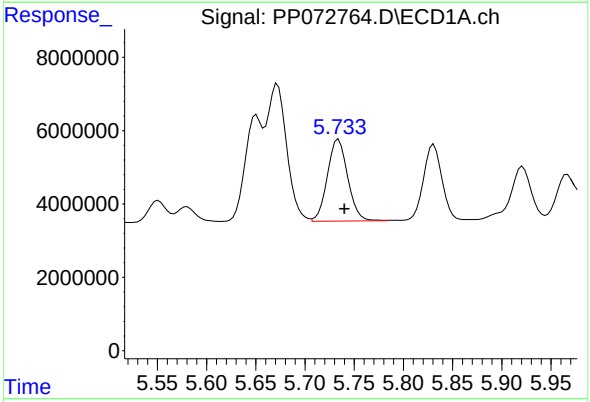
R.T.: 5.672 min
Delta R.T.: -0.006 min
Response: 53135454
Conc: 612.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



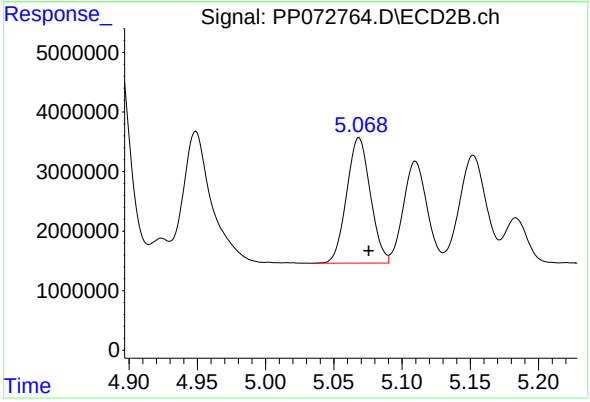
#17 AR-1242-2

R.T.: 4.891 min
Delta R.T.: -0.007 min
Response: 46843265
Conc: 637.36 ng/ml



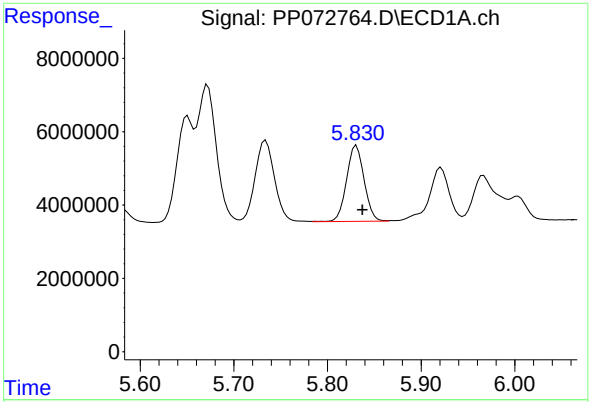
#18 AR-1242-3

R.T.: 5.734 min
Delta R.T.: -0.006 min
Response: 32070548
Conc: 582.40 ng/ml



#18 AR-1242-3

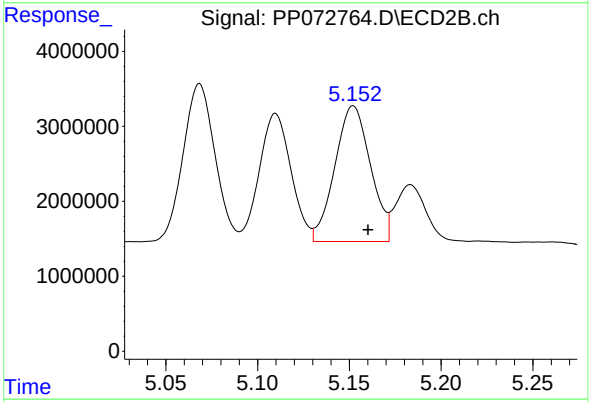
R.T.: 5.068 min
Delta R.T.: -0.007 min
Response: 25471036
Conc: 651.01 ng/ml



#19 AR-1242-4

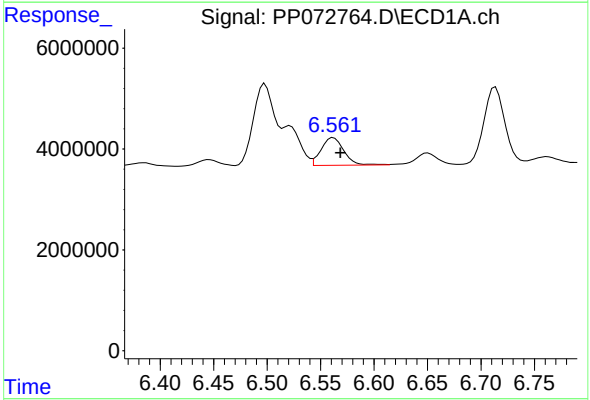
R.T.: 5.831 min
Delta R.T.: -0.007 min
Response: 26990746
Conc: 608.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



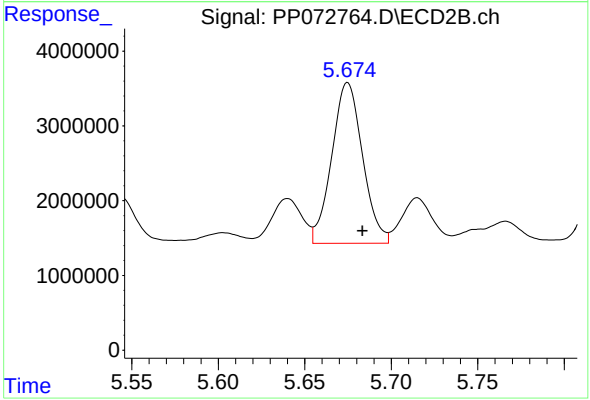
#19 AR-1242-4

R.T.: 5.152 min
Delta R.T.: -0.008 min
Response: 24466214
Conc: 651.00 ng/ml



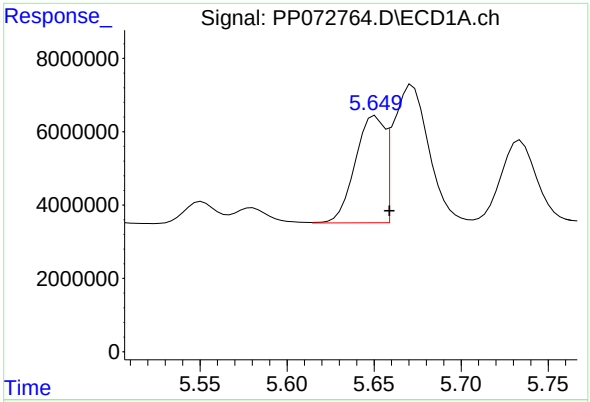
#20 AR-1242-5

R.T.: 6.562 min
Delta R.T.: -0.006 min
Response: 8145150
Conc: 159.76 ng/ml



#20 AR-1242-5

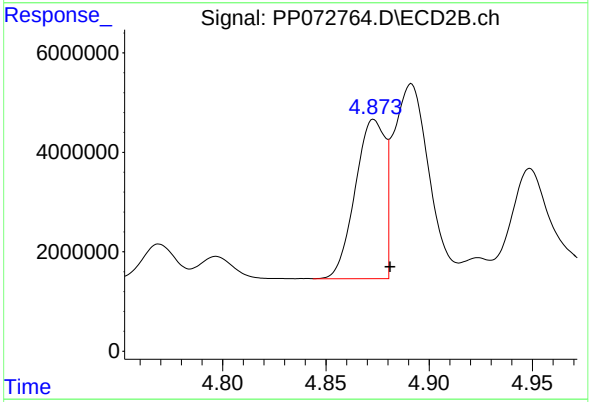
R.T.: 5.675 min
Delta R.T.: -0.009 min
Response: 26528180
Conc: 549.72 ng/ml



#21 AR-1248-1

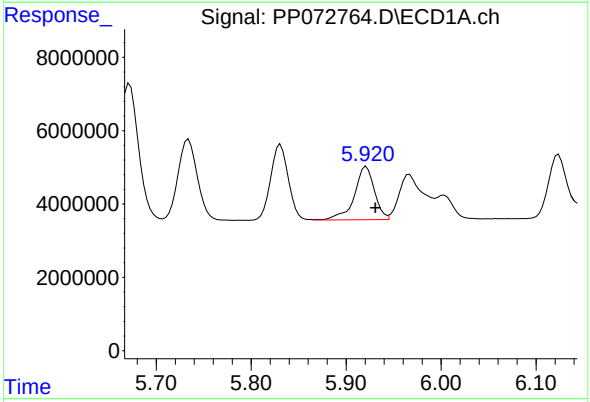
R.T.: 5.651 min
Delta R.T.: -0.008 min
Response: 34156326
Conc: 705.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



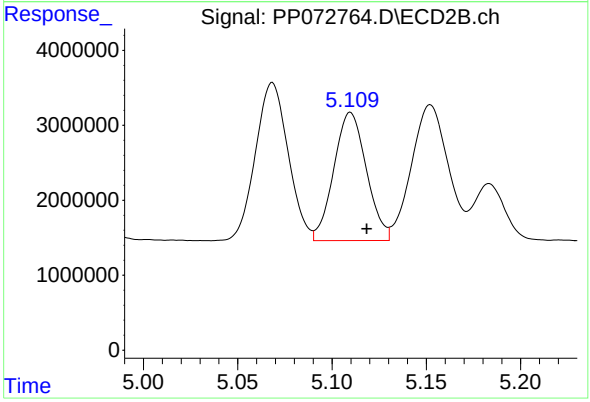
#21 AR-1248-1

R.T.: 4.873 min
Delta R.T.: -0.008 min
Response: 32109251
Conc: 741.18 ng/ml



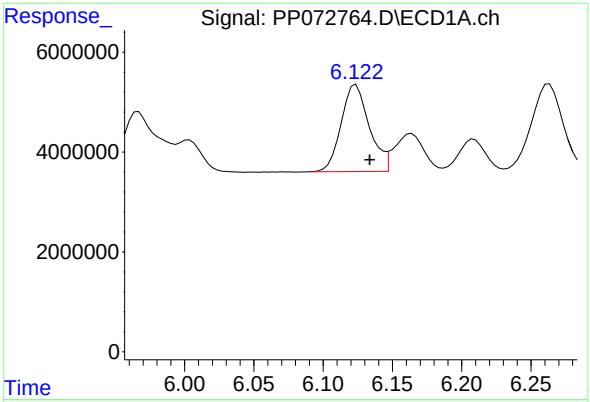
#22 AR-1248-2

R.T.: 5.921 min
Delta R.T.: -0.010 min
Response: 21345545
Conc: 352.00 ng/ml



#22 AR-1248-2

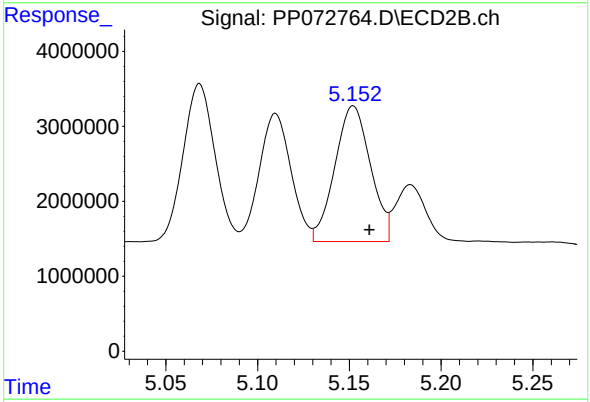
R.T.: 5.110 min
Delta R.T.: -0.009 min
Response: 20596751
Conc: 364.69 ng/ml



#23 AR-1248-3

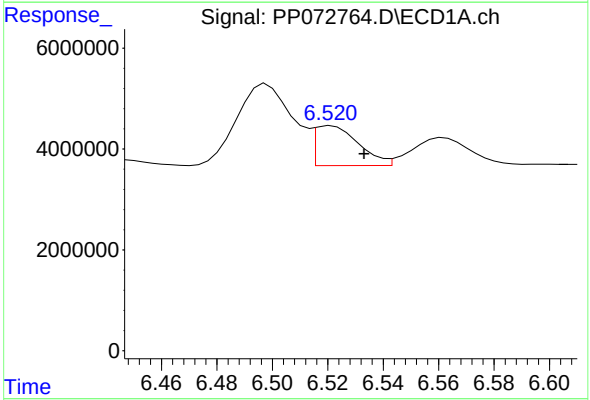
R.T.: 6.124 min
Delta R.T.: -0.010 min
Response: 24585249
Conc: 371.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



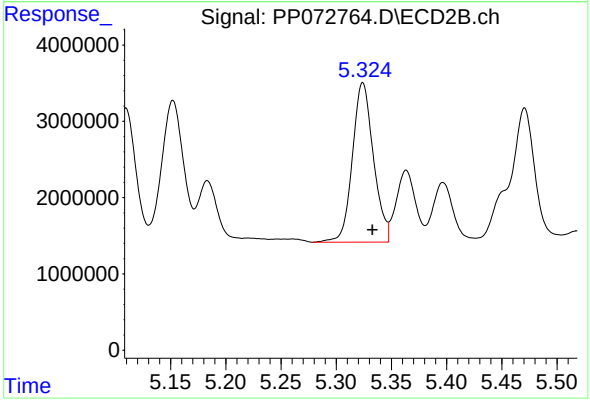
#23 AR-1248-3

R.T.: 5.152 min
Delta R.T.: -0.009 min
Response: 24466214
Conc: 413.93 ng/ml



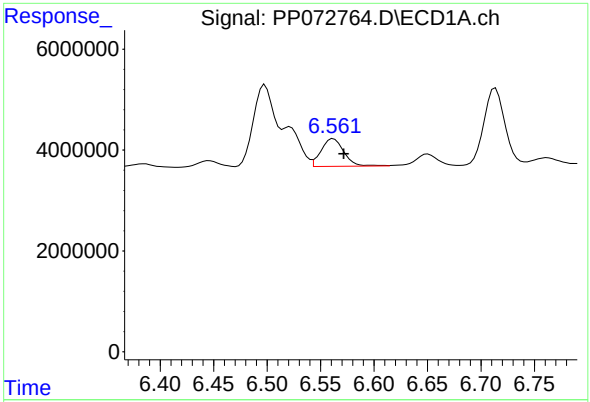
#24 AR-1248-4

R.T.: 6.521 min
Delta R.T.: -0.012 min
Response: 8665062
Conc: 99.15 ng/ml



#24 AR-1248-4

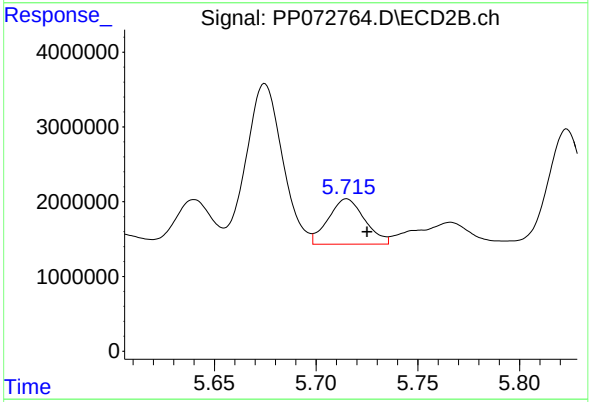
R.T.: 5.324 min
Delta R.T.: -0.009 min
Response: 27725790
Conc: 398.06 ng/ml



#25 AR-1248-5

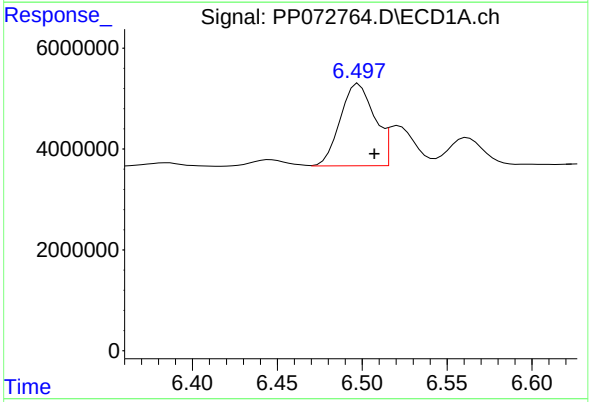
R.T.: 6.562 min
Delta R.T.: -0.010 min
Response: 8145150
Conc: 98.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



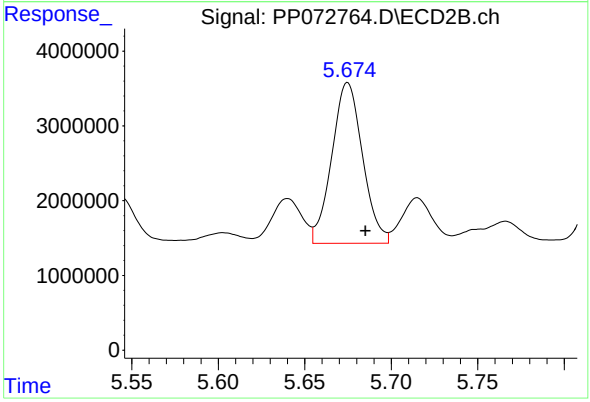
#25 AR-1248-5

R.T.: 5.715 min
Delta R.T.: -0.010 min
Response: 7558049
Conc: 108.38 ng/ml



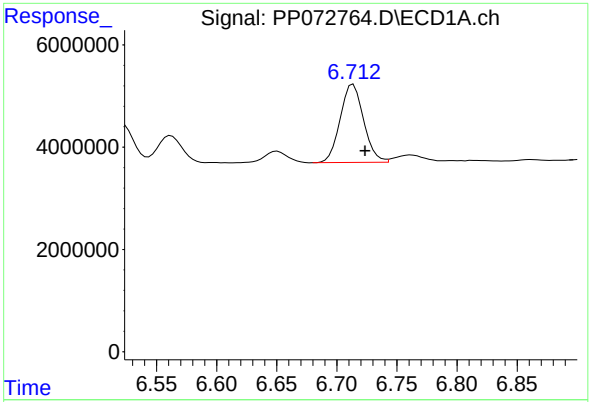
#26 AR-1254-1

R.T.: 6.498 min
Delta R.T.: -0.009 min
Response: 22859736
Conc: 265.80 ng/ml



#26 AR-1254-1

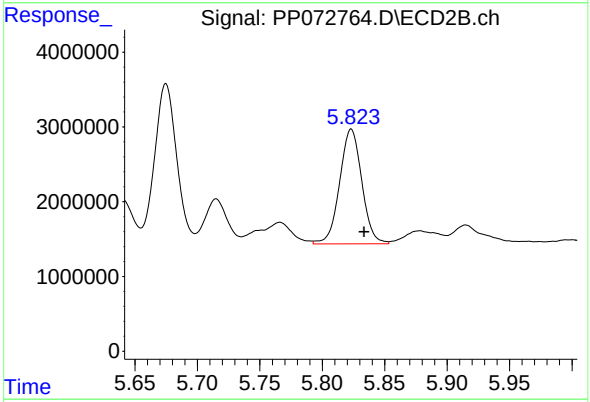
R.T.: 5.675 min
Delta R.T.: -0.010 min
Response: 26528180
Conc: 265.40 ng/ml



#27 AR-1254-2

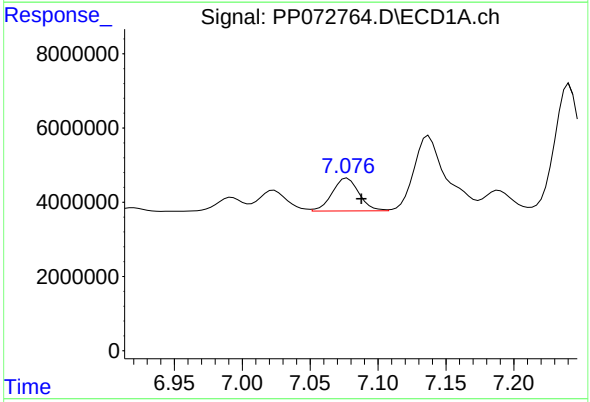
R.T.: 6.714 min
Delta R.T.: -0.010 min
Response: 20811279
Conc: 159.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



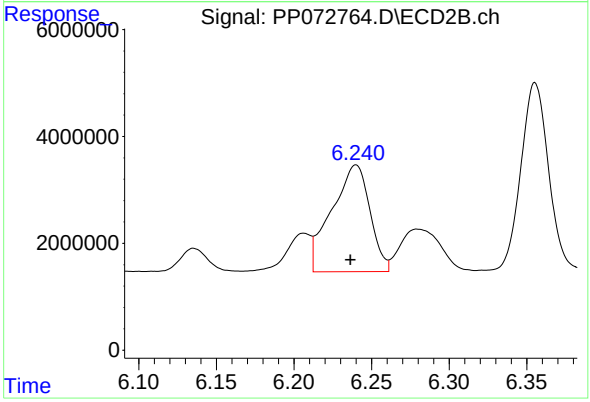
#27 AR-1254-2

R.T.: 5.823 min
Delta R.T.: -0.010 min
Response: 18977647
Conc: 219.89 ng/ml



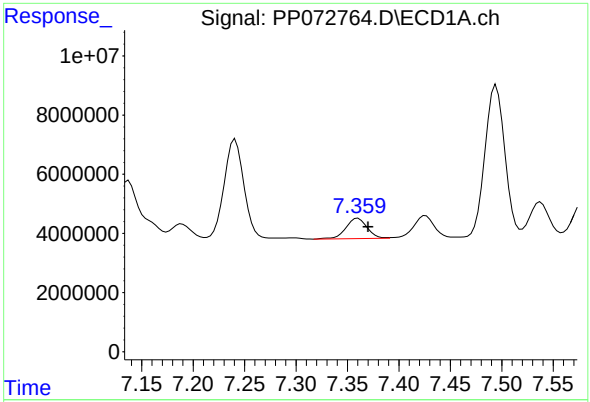
#28 AR-1254-3

R.T.: 7.077 min
Delta R.T.: -0.010 min
Response: 12194201
Conc: 92.38 ng/ml



#28 AR-1254-3

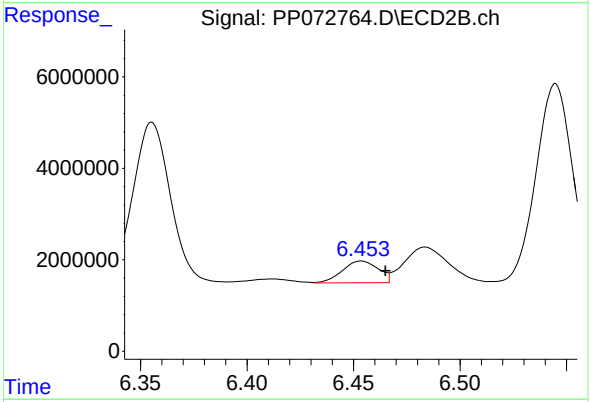
R.T.: 6.240 min
Delta R.T.: 0.004 min
Response: 34269748
Conc: 266.44 ng/ml



#29 AR-1254-4

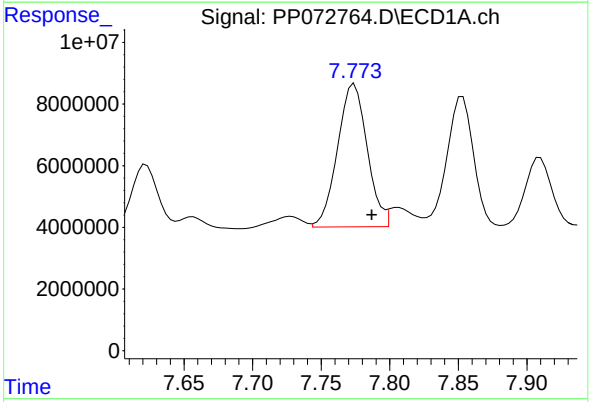
R.T.: 7.360 min
Delta R.T.: -0.010 min
Response: 9904787
Conc: 75.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



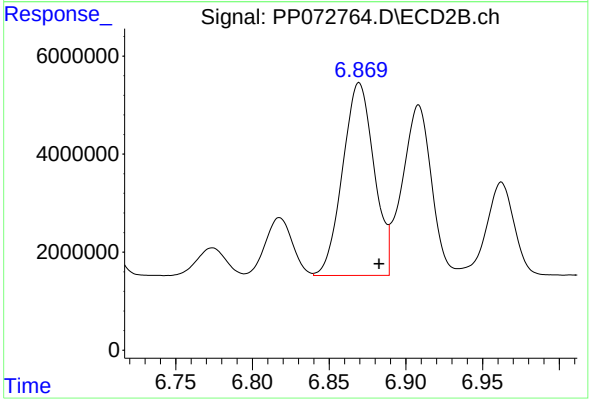
#29 AR-1254-4

R.T.: 6.454 min
Delta R.T.: -0.011 min
Response: 5580921
Conc: 65.43 ng/ml



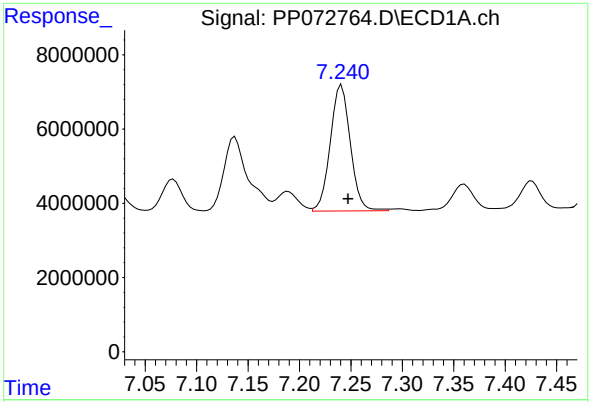
#30 AR-1254-5

R.T.: 7.774 min
Delta R.T.: -0.013 min
Response: 69826712
Conc: 627.67 ng/ml



#30 AR-1254-5

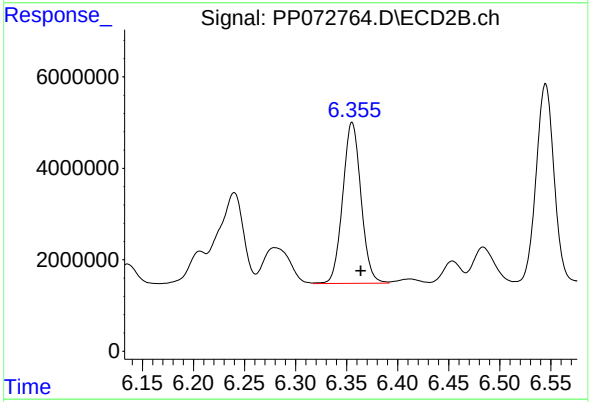
R.T.: 6.870 min
Delta R.T.: -0.013 min
Response: 56236402
Conc: 496.12 ng/ml



#31 AR-1260-1

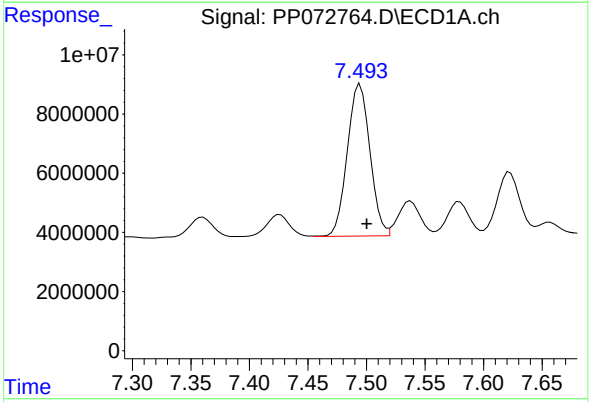
R.T.: 7.241 min
Delta R.T.: -0.006 min
Response: 46062448
Conc: 492.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



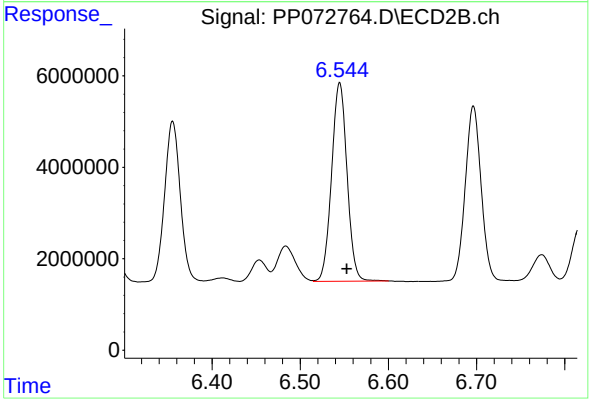
#31 AR-1260-1

R.T.: 6.355 min
Delta R.T.: -0.009 min
Response: 43900617
Conc: 550.45 ng/ml



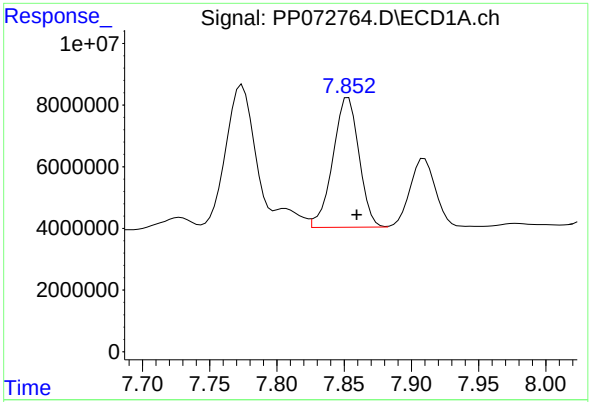
#32 AR-1260-2

R.T.: 7.495 min
Delta R.T.: -0.006 min
Response: 69168660
Conc: 482.05 ng/ml



#32 AR-1260-2

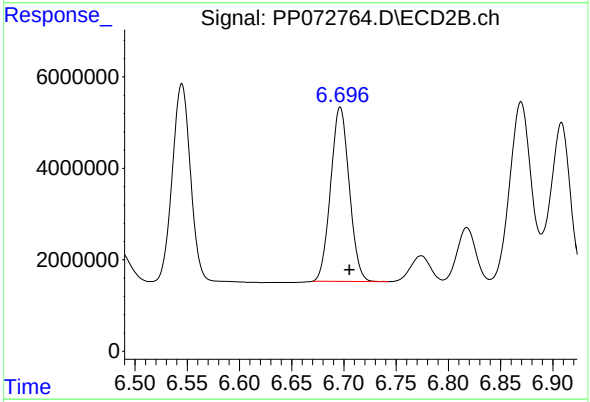
R.T.: 6.545 min
Delta R.T.: -0.008 min
Response: 52879305
Conc: 521.38 ng/ml



#33 AR-1260-3

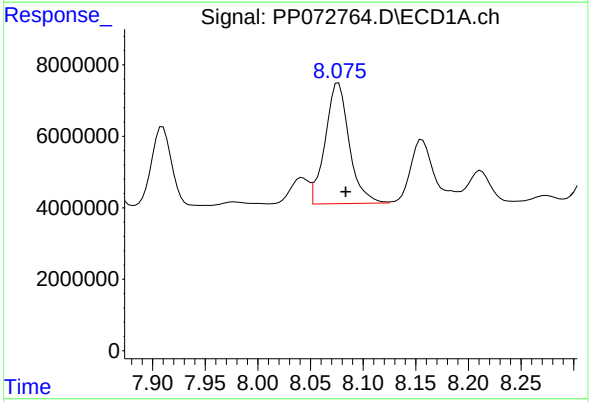
R.T.: 7.853 min
Delta R.T.: -0.006 min
Response: 56686980
Conc: 497.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



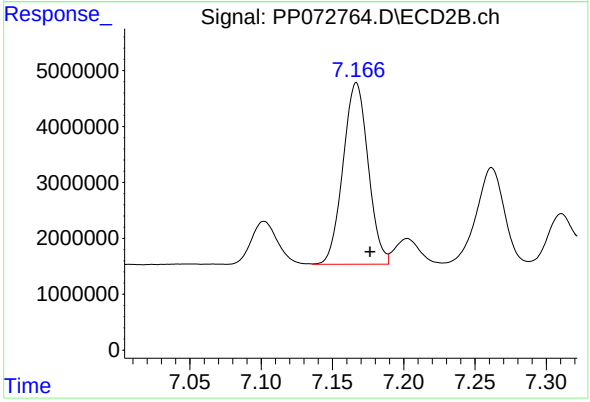
#33 AR-1260-3

R.T.: 6.696 min
Delta R.T.: -0.009 min
Response: 47213935
Conc: 543.30 ng/ml



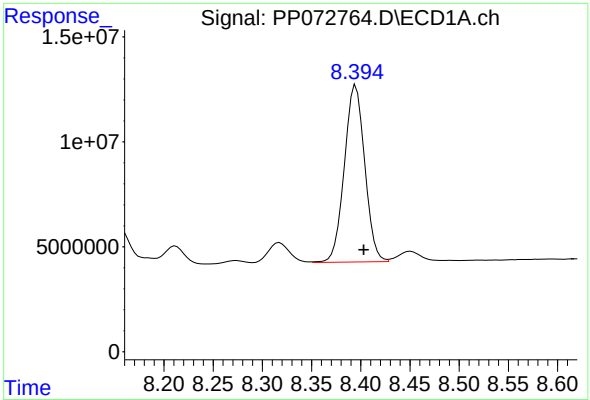
#34 AR-1260-4

R.T.: 8.076 min
Delta R.T.: -0.007 min
Response: 53651847
Conc: 500.01 ng/ml



#34 AR-1260-4

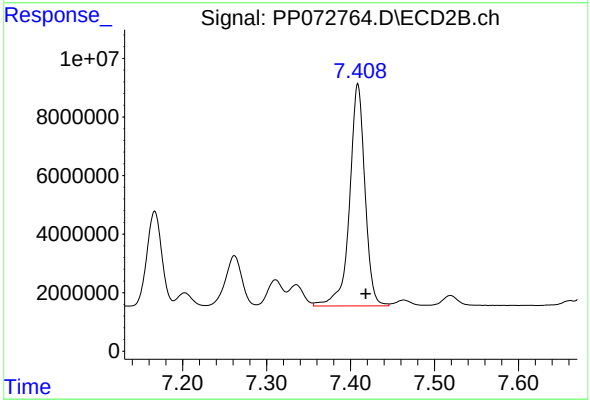
R.T.: 7.167 min
Delta R.T.: -0.010 min
Response: 39876026
Conc: 553.14 ng/ml



#35 AR-1260-5

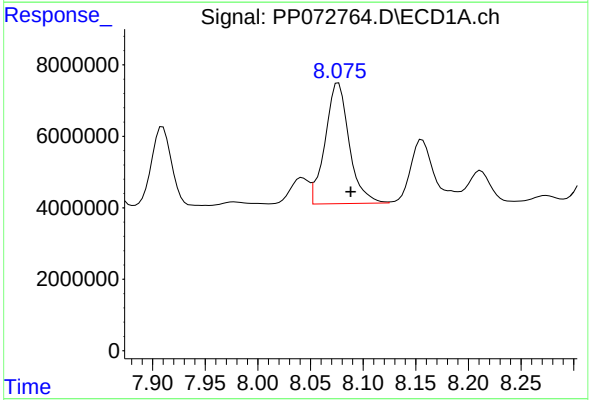
R.T.: 8.395 min
Delta R.T.: -0.008 min
Response: 121470063
Conc: 513.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



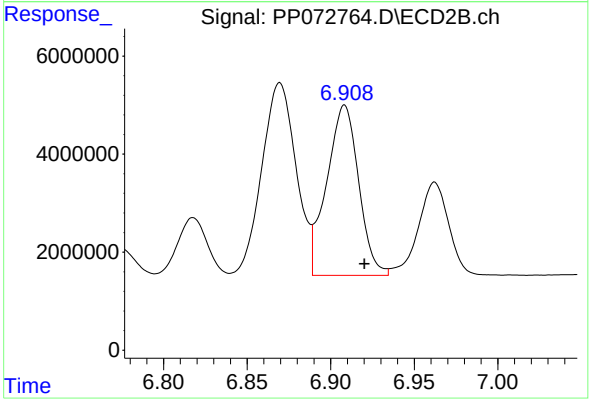
#35 AR-1260-5

R.T.: 7.409 min
Delta R.T.: -0.009 min
Response: 96274188
Conc: 554.50 ng/ml



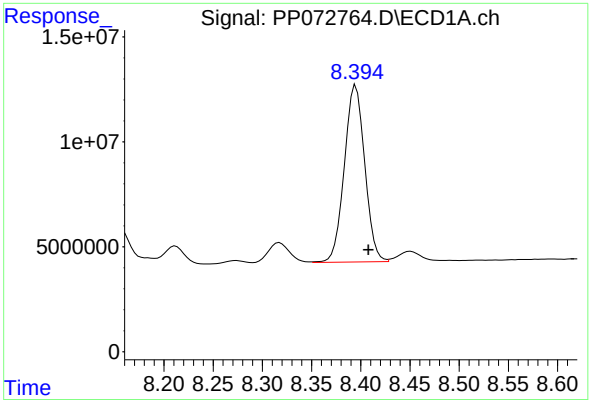
#36 AR-1262-1

R.T.: 8.076 min
Delta R.T.: -0.012 min
Response: 53651847
Conc: 402.66 ng/ml



#36 AR-1262-1

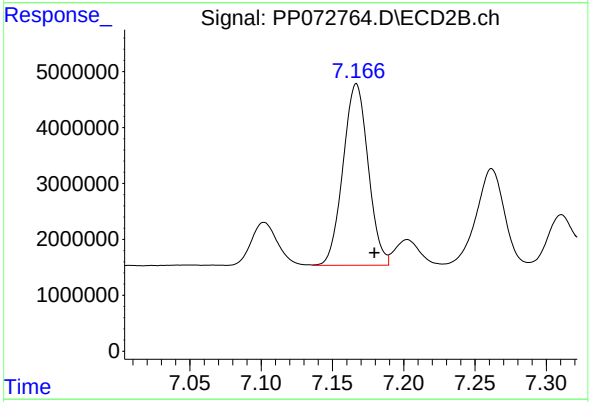
R.T.: 6.908 min
Delta R.T.: -0.012 min
Response: 46234897
Conc: 409.06 ng/ml



#37 AR-1262-2

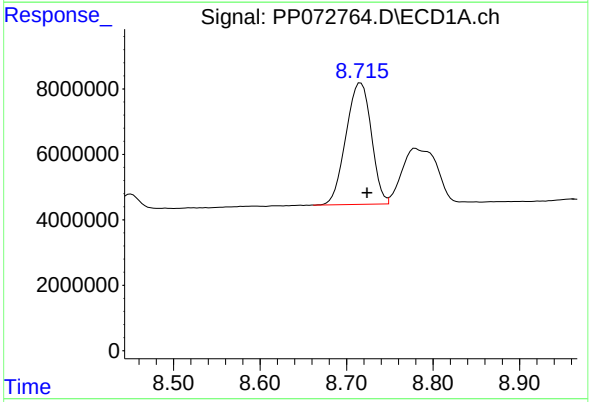
R.T.: 8.395 min
Delta R.T.: -0.013 min
Response: 121470063
Conc: 445.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



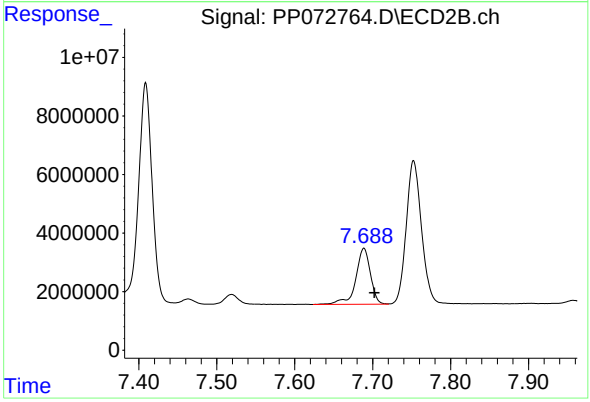
#37 AR-1262-2

R.T.: 7.167 min
Delta R.T.: -0.013 min
Response: 39876026
Conc: 410.56 ng/ml



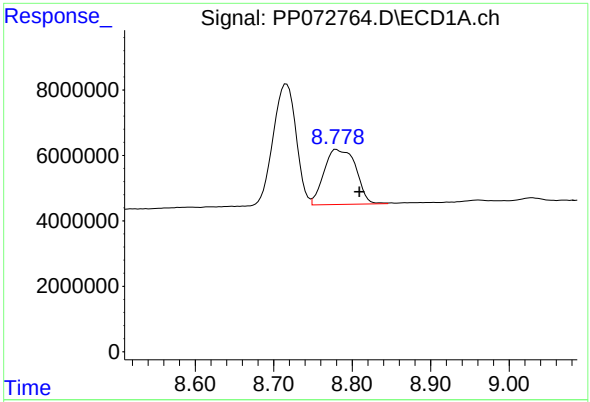
#38 AR-1262-3

R.T.: 8.716 min
Delta R.T.: -0.007 min
Response: 75488649
Conc: 406.88 ng/ml



#38 AR-1262-3

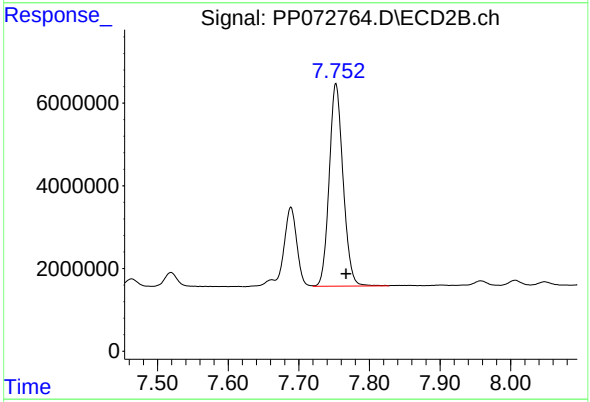
R.T.: 7.689 min
Delta R.T.: -0.014 min
Response: 25080148
Conc: 307.61 ng/ml



#39 AR-1262-4

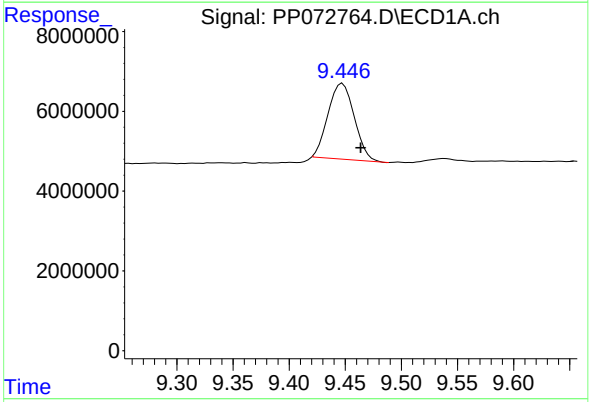
R.T.: 8.780 min
Delta R.T.: -0.029 min
Response: 47506286
Conc: 353.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



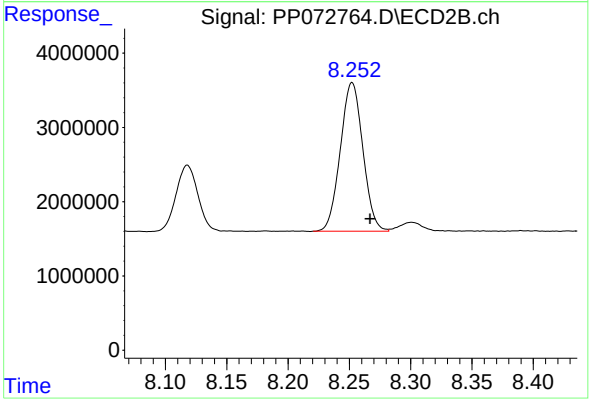
#39 AR-1262-4

R.T.: 7.753 min
Delta R.T.: -0.015 min
Response: 66932362
Conc: 475.97 ng/ml



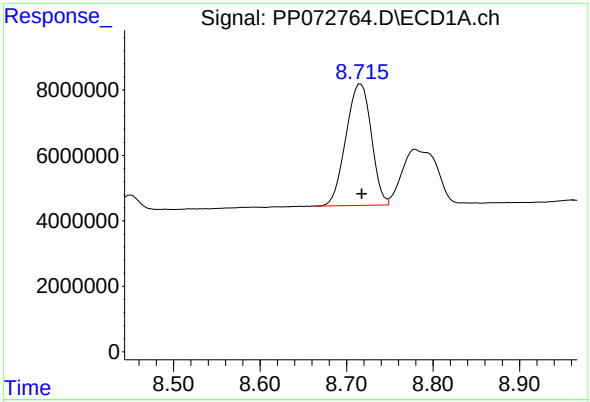
#40 AR-1262-5

R.T.: 9.448 min
Delta R.T.: -0.016 min
Response: 30960425
Conc: 334.85 ng/ml



#40 AR-1262-5

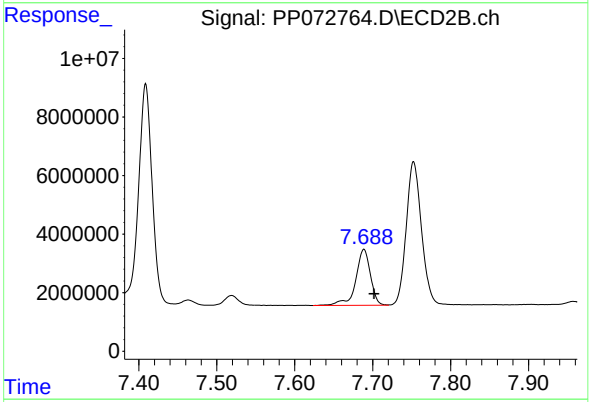
R.T.: 8.252 min
Delta R.T.: -0.015 min
Response: 25641102
Conc: 393.97 ng/ml



#41 AR-1268-1

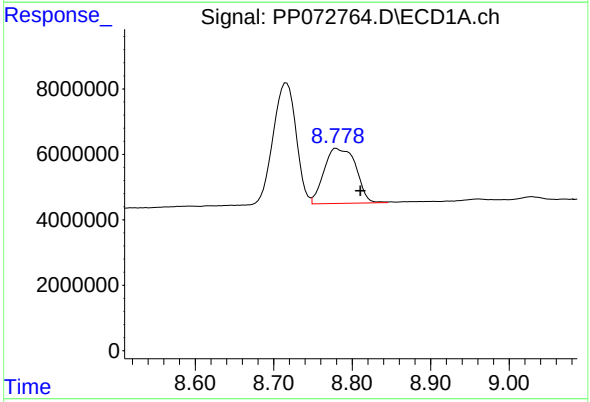
R.T.: 8.716 min
Delta R.T.: -0.001 min
Response: 75488649
Conc: 226.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



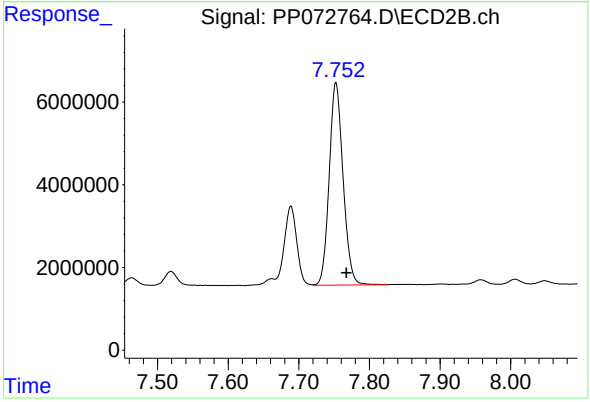
#41 AR-1268-1

R.T.: 7.689 min
Delta R.T.: -0.013 min
Response: 25080148
Conc: 107.08 ng/ml



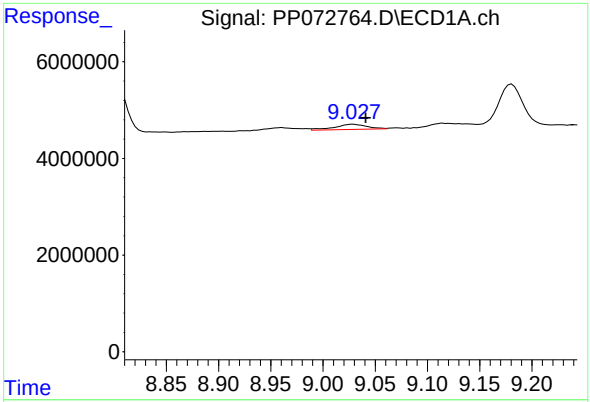
#42 AR-1268-2

R.T.: 8.780 min
Delta R.T.: -0.031 min
Response: 47506286
Conc: 169.67 ng/ml



#42 AR-1268-2

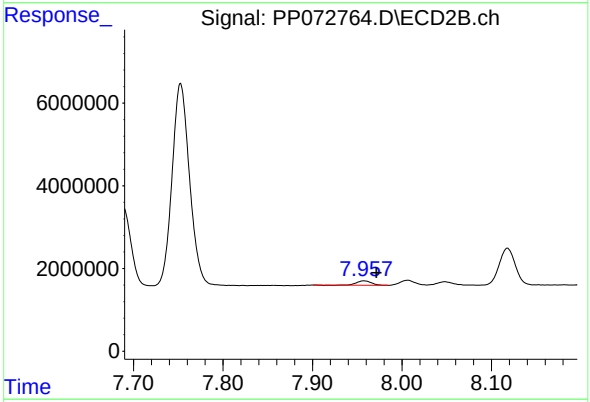
R.T.: 7.753 min
Delta R.T.: -0.015 min
Response: 66932362
Conc: 323.63 ng/ml



#43 AR-1268-3

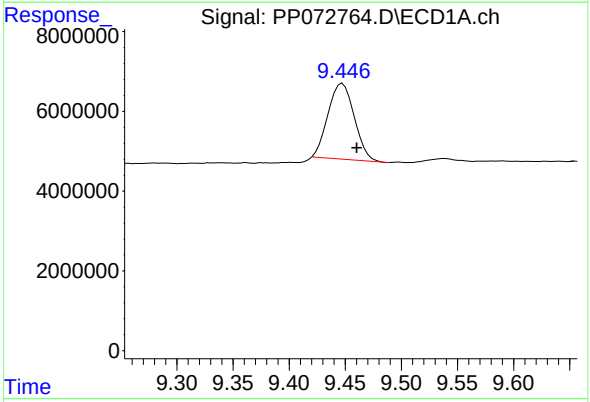
R.T.: 9.029 min
Delta R.T.: -0.012 min
Response: 2248414
Conc: 9.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



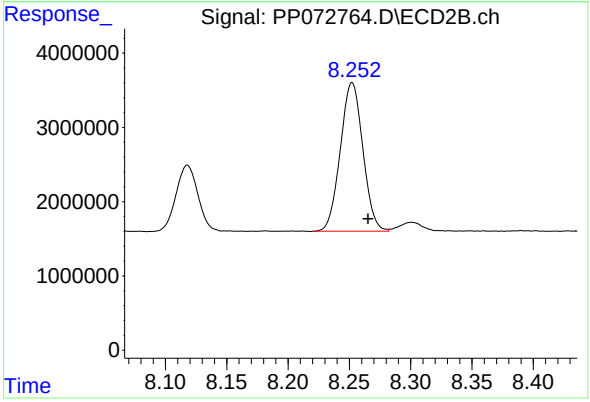
#43 AR-1268-3

R.T.: 7.958 min
Delta R.T.: -0.014 min
Response: 1201399
Conc: 7.09 ng/ml



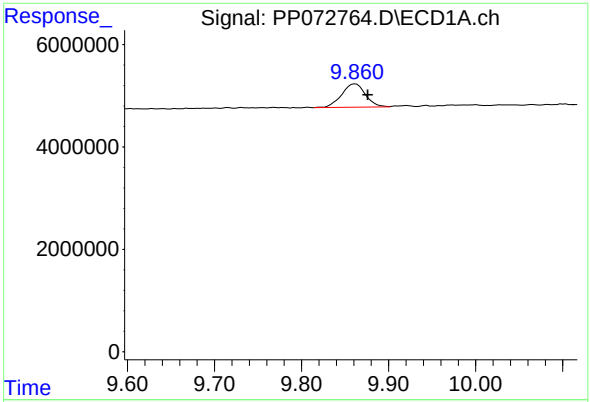
#44 AR-1268-4

R.T.: 9.448 min
Delta R.T.: -0.013 min
Response: 30960425
Conc: 295.01 ng/ml



#44 AR-1268-4

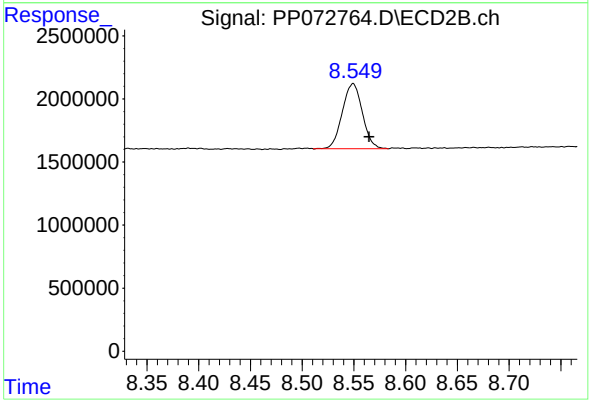
R.T.: 8.252 min
Delta R.T.: -0.013 min
Response: 25641102
Conc: 351.46 ng/ml



#45 AR-1268-5

R.T.: 9.862 min
Delta R.T.: -0.014 min
Response: 8676944
Conc: 12.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.549 min
Delta R.T.: -0.015 min
Response: 6954050
Conc: 15.22 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 22:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.497	3.793	35924955	31822740	17.866	19.910	
2)	SA Decachlor...	10.197	8.806	29052277	21372870	17.833	20.190	
	Target Compounds							
3)	L1 AR-1016-1	5.657	4.881	182745	84297	2.434	1.372	#
4)	L1 AR-1016-2	5.673	4.881	249602	84297	2.333	0.960	#
5)	L1 AR-1016-3	5.754	5.078	184213	72424	2.810	1.520	#
6)	L1 AR-1016-4	5.836	5.127	102206	371870	1.919	9.774	#
7)	L1 AR-1016-5	6.140	5.322	581335	893446	11.886	17.932	#
8)	L2 AR-1221-1	4.729	4.019	135892	193073	5.198	7.201	#
9)	L2 AR-1221-2	4.801	4.094	693586	687390	34.000	33.474	
10)	L2 AR-1221-3	4.869	4.173	156835	48743	2.592	0.828	#
11)	L3 AR-1232-1	4.869	4.173	156835	48743	3.329	1.125	#
12)	L3 AR-1232-2	5.407	4.881	38054	84297	1.634	1.908	
13)	L3 AR-1232-3	5.673	5.078	249602	72424	4.986	3.097	#
14)	L3 AR-1232-4	5.836	5.165	102206	75703	4.072	3.654	
15)	L3 AR-1232-5	5.930	5.322	87645	893446	5.003	38.586	#
16)	L4 AR-1242-1	5.657	4.881	182745	84297	2.919	1.618	#
17)	L4 AR-1242-2	5.673	4.881	249602	84297	2.876	1.147	#
18)	L4 AR-1242-3	5.754	5.078	184213	72424	3.345	1.851	#
19)	L4 AR-1242-4	5.836	5.165	102206	75703	2.305	2.014	
20)	L4 AR-1242-5	6.574	5.675	1108981	431919	21.751	8.950	#
21)	L5 AR-1248-1	5.657	4.881	182745	84297	3.776	1.946	#
22)	L5 AR-1248-2	5.930	5.127	87645	371870	1.445	6.584	#
23)	L5 AR-1248-3	6.140	5.165	581335	75703	8.784	1.281	#
24)	L5 AR-1248-4	6.516	5.322	1014348	893446	11.607	12.827	
25)	L5 AR-1248-5	6.574	5.750	1108981	172318	13.357	2.471	#
26)	L6 AR-1254-1	6.500	5.675	689998	431919	8.023	4.321	#
27)	L6 AR-1254-2	6.711	5.822	615209	455003	4.708	5.272	
28)	L6 AR-1254-3	7.077	6.239	1479307	822316	11.207	6.393	#
29)	L6 AR-1254-4	7.366	6.469	222766	578019	1.707	6.777	#
30)	L6 AR-1254-5	7.781	6.906	40762	282464	0.366	2.492	#
31)	L7 AR-1260-1	7.243	6.391	507112	432494	5.418	5.423	
32)	L7 AR-1260-2	7.510	6.575	895243	110851	6.239	1.093	#
33)	L7 AR-1260-3	7.859	0.000	420831	0	3.696	N.D.	#
34)	L7 AR-1260-4	8.091	7.174	434892	141900	4.053	1.968	#
35)	L7 AR-1260-5	8.393	7.367f	726711	36125	3.071	0.208	#
36)	L8 AR-1262-1	8.091	6.906	434892	282464	3.264	2.499	
37)	L8 AR-1262-2	8.393	7.174	726711	141900	2.668	1.461	#
38)	L8 AR-1262-3	8.730	7.761f	122422	411581	0.660	5.048	#
39)	L8 AR-1262-4	8.820	7.761	477915	411581	3.559	2.927	
40)	L8 AR-1262-5	9.454	8.252	91211	65592	0.986	1.008	
41)	L9 AR-1268-1	8.730	7.761f	122422	411581	0.367	1.757	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 22:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.820	7.761	477915	411581	1.707	1.990
43) L9	AR-1268-3	9.036	7.954	185217	38864	0.767	0.229 #
44) L9	AR-1268-4	9.454	8.252	91211	65592	0.869	0.899
45) L9	AR-1268-5	9.873	8.549	112587	218374	0.166	0.478 #

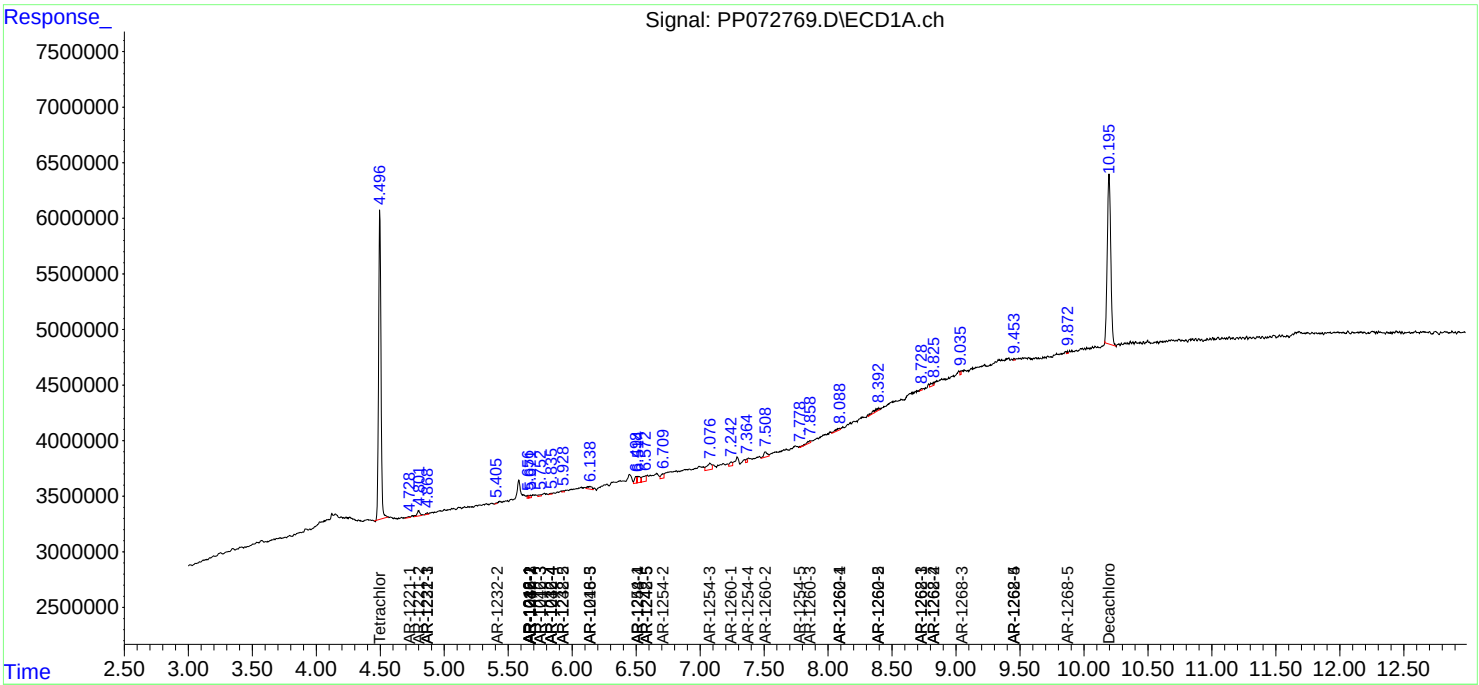
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

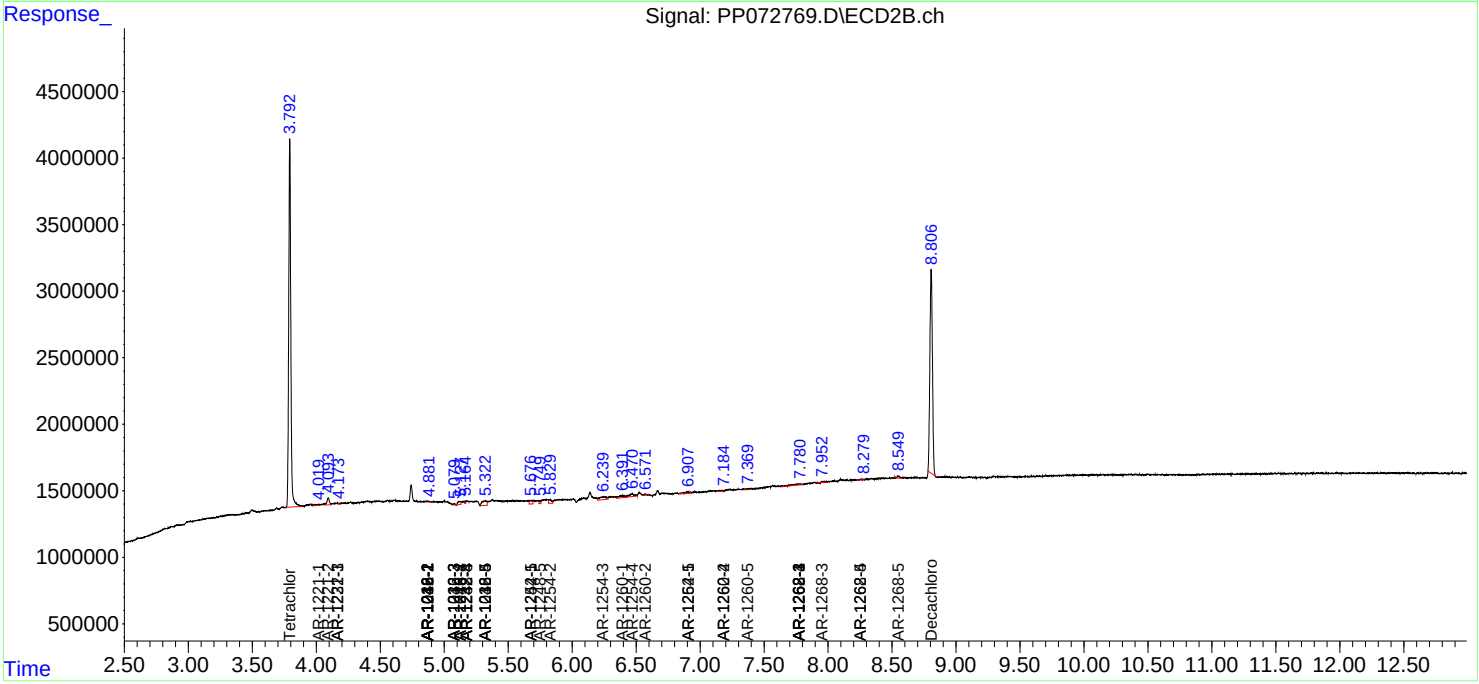
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060925\
Data File : PP072769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 22:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

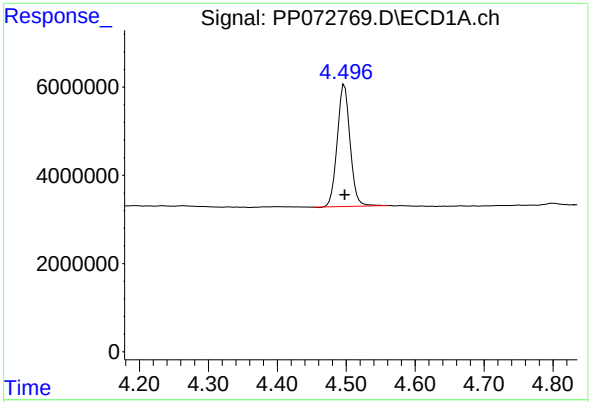
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



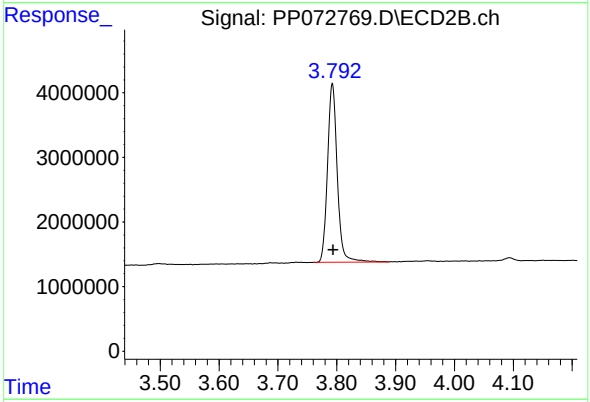




#1 Tetrachloro-m-xylene

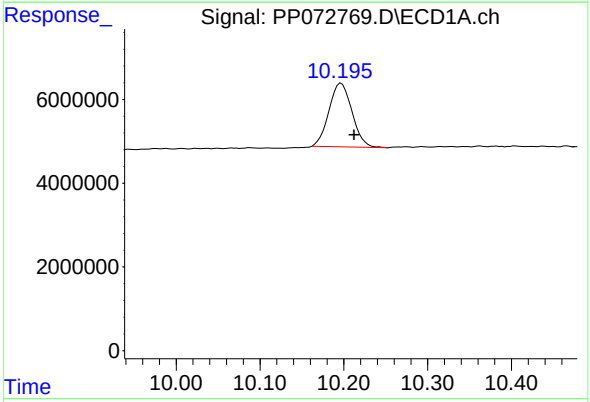
R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 35924955
Conc: 17.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



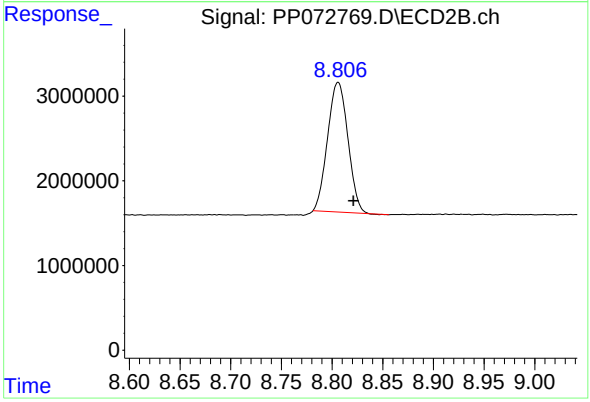
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 31822740
Conc: 19.91 ng/ml



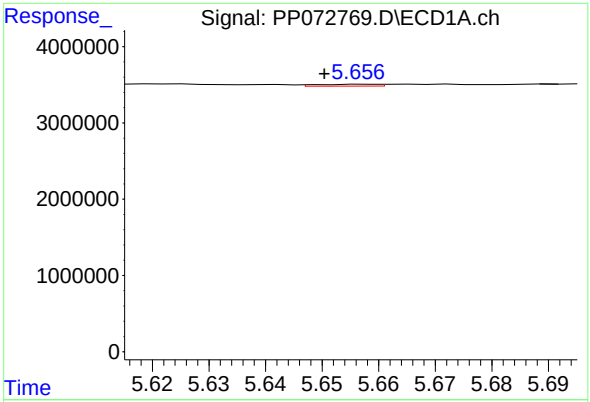
#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: -0.015 min
Response: 29052277
Conc: 17.83 ng/ml



#2 Decachlorobiphenyl

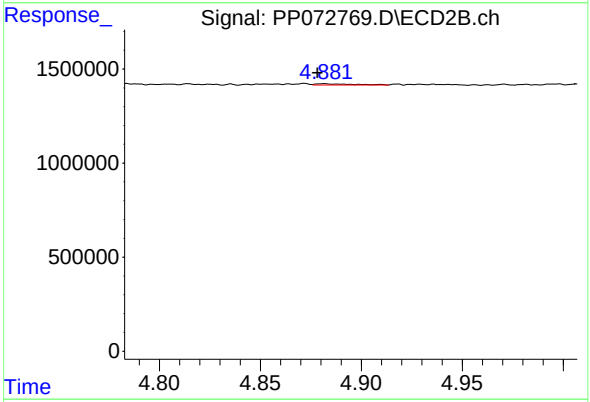
R.T.: 8.806 min
Delta R.T.: -0.015 min
Response: 21372870
Conc: 20.19 ng/ml



#3 AR-1016-1

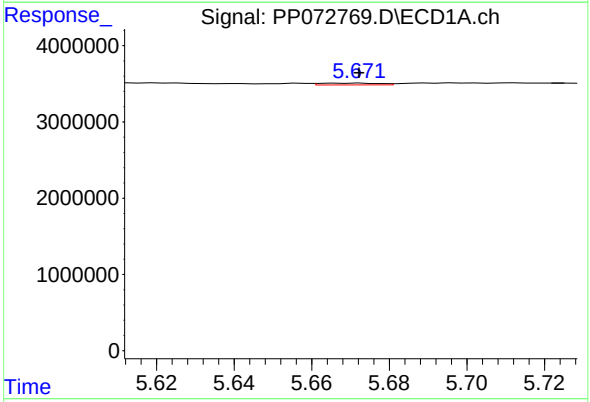
R.T.: 5.657 min
Delta R.T.: 0.007 min
Response: 182745
Conc: 2.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



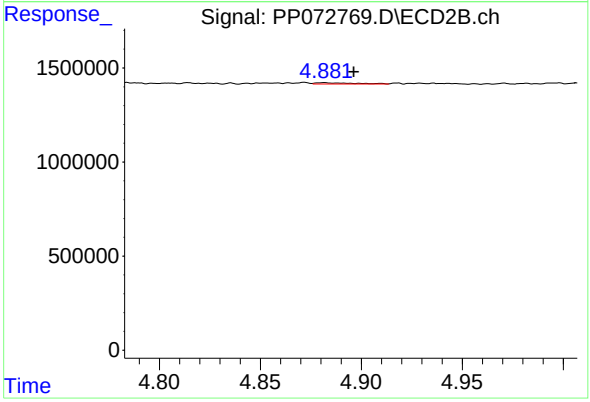
#3 AR-1016-1

R.T.: 4.881 min
Delta R.T.: 0.003 min
Response: 84297
Conc: 1.37 ng/ml



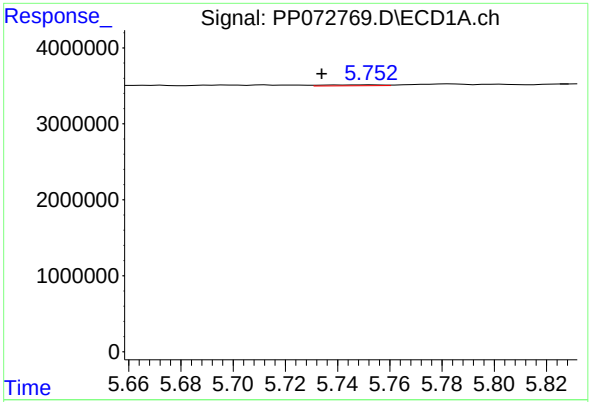
#4 AR-1016-2

R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 249602
Conc: 2.33 ng/ml



#4 AR-1016-2

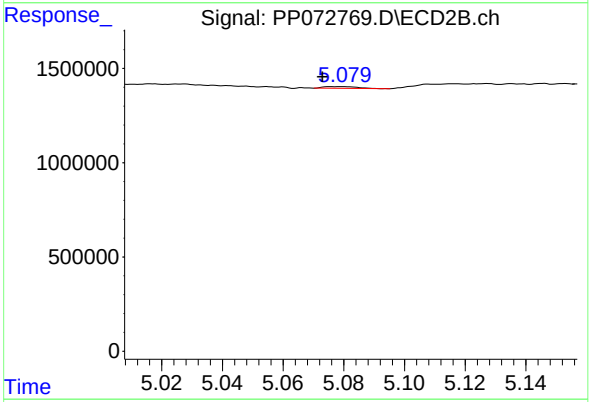
R.T.: 4.881 min
Delta R.T.: -0.015 min
Response: 84297
Conc: 0.96 ng/ml



#5 AR-1016-3

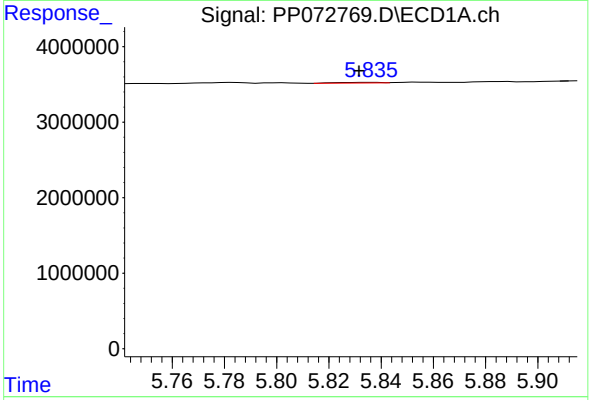
R.T.: 5.754 min
Delta R.T.: 0.020 min
Response: 184213
Conc: 2.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



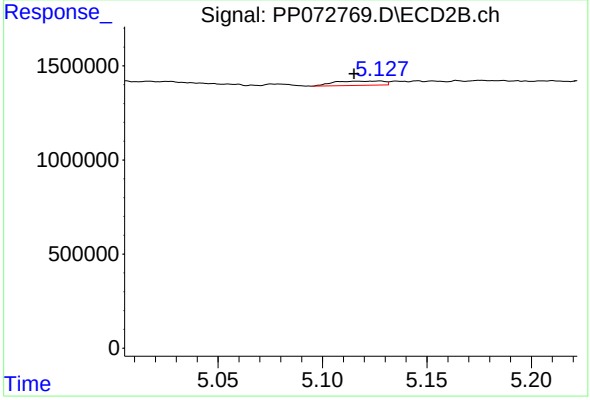
#5 AR-1016-3

R.T.: 5.078 min
Delta R.T.: 0.005 min
Response: 72424
Conc: 1.52 ng/ml



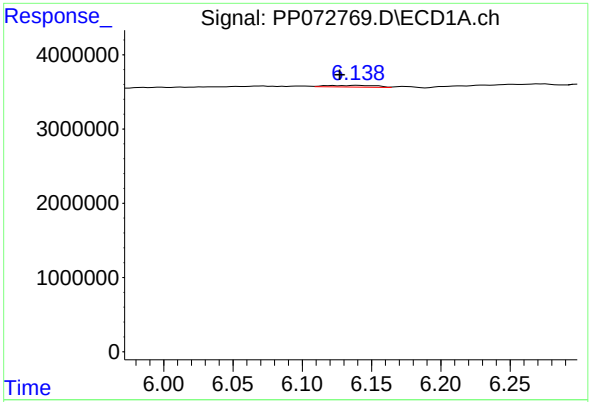
#6 AR-1016-4

R.T.: 5.836 min
Delta R.T.: 0.005 min
Response: 102206
Conc: 1.92 ng/ml



#6 AR-1016-4

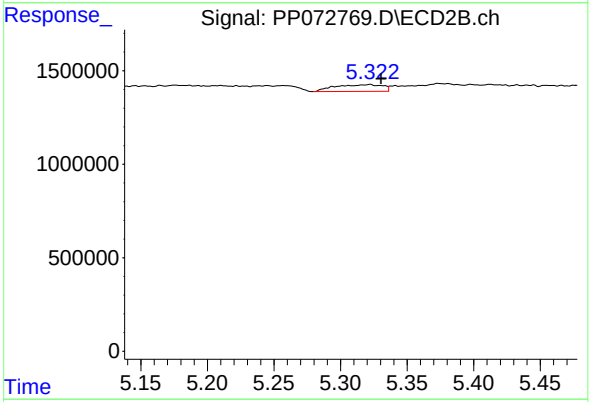
R.T.: 5.127 min
Delta R.T.: 0.012 min
Response: 371870
Conc: 9.77 ng/ml



#7 AR-1016-5

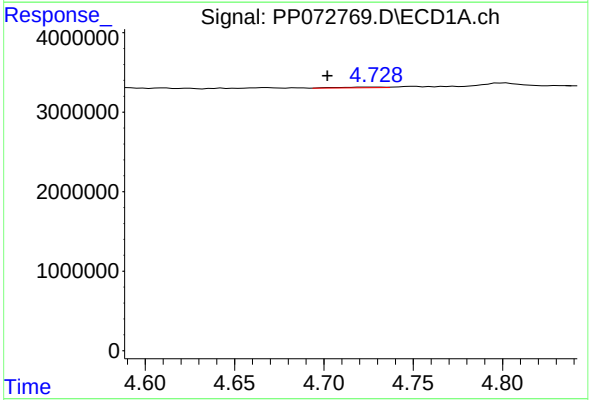
R.T.: 6.140 min
Delta R.T.: 0.013 min
Response: 581335
Conc: 11.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



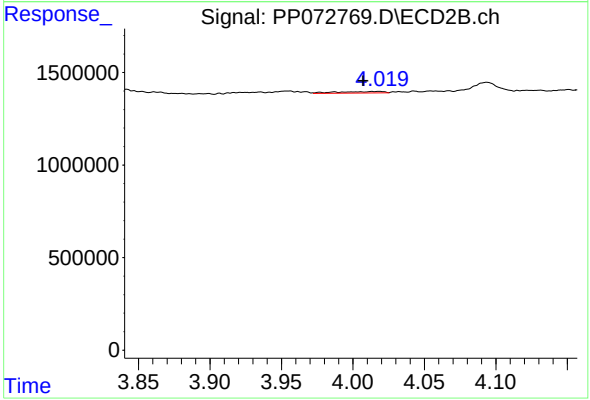
#7 AR-1016-5

R.T.: 5.322 min
Delta R.T.: -0.008 min
Response: 893446
Conc: 17.93 ng/ml



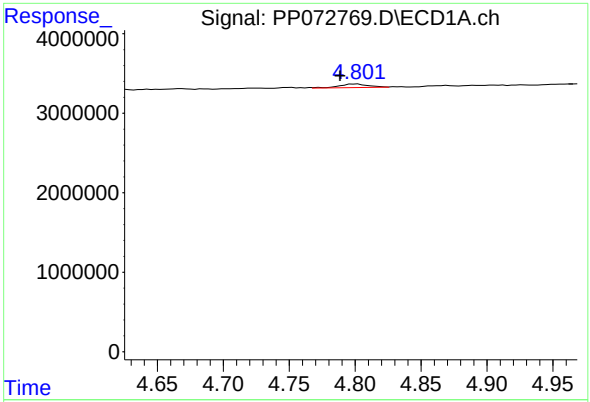
#8 AR-1221-1

R.T.: 4.729 min
Delta R.T.: 0.027 min
Response: 135892
Conc: 5.20 ng/ml



#8 AR-1221-1

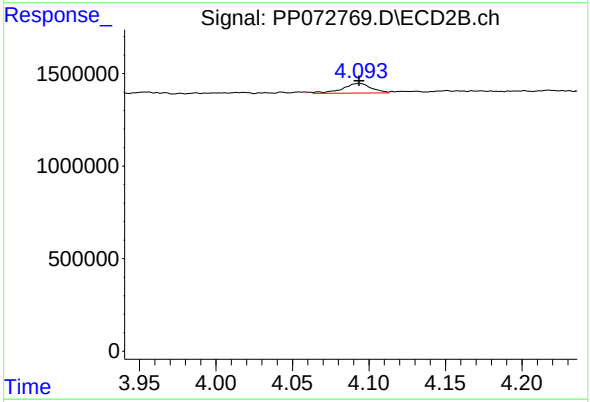
R.T.: 4.019 min
Delta R.T.: 0.011 min
Response: 193073
Conc: 7.20 ng/ml



#9 AR-1221-2

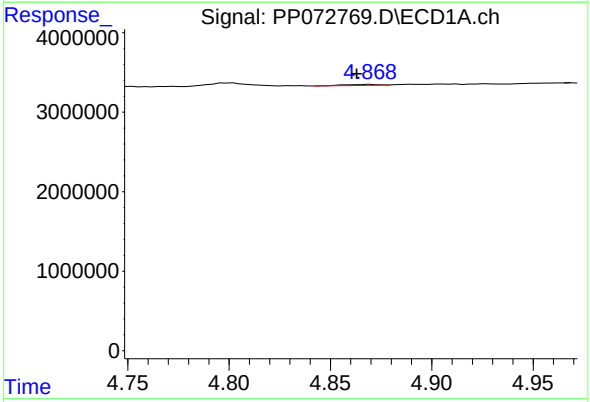
R.T.: 4.801 min
Delta R.T.: 0.013 min
Response: 693586
Conc: 34.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



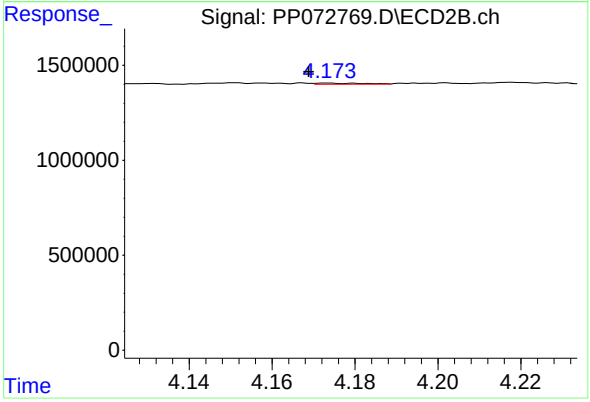
#9 AR-1221-2

R.T.: 4.094 min
Delta R.T.: 0.000 min
Response: 687390
Conc: 33.47 ng/ml



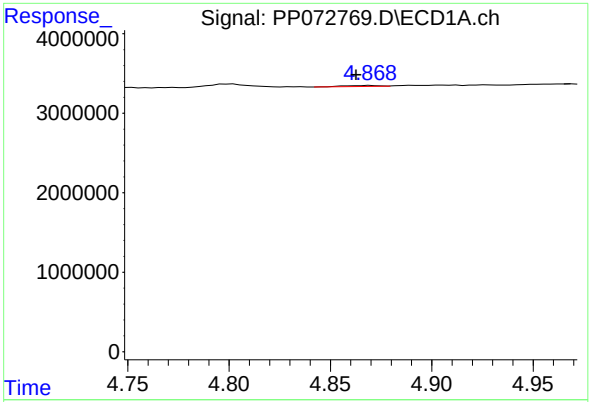
#10 AR-1221-3

R.T.: 4.869 min
Delta R.T.: 0.006 min
Response: 156835
Conc: 2.59 ng/ml



#10 AR-1221-3

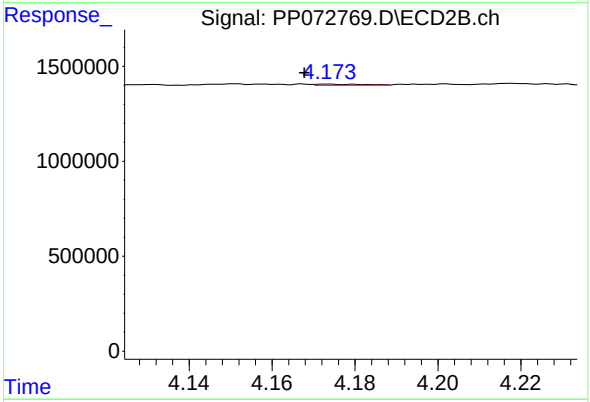
R.T.: 4.173 min
Delta R.T.: 0.005 min
Response: 48743
Conc: 0.83 ng/ml



#11 AR-1232-1

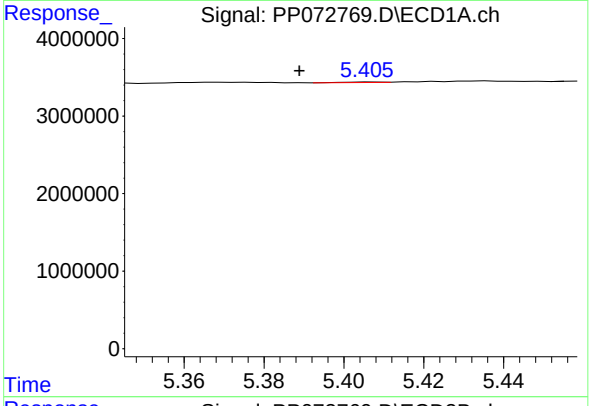
R.T.: 4.869 min
Delta R.T.: 0.007 min
Response: 156835
Conc: 3.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



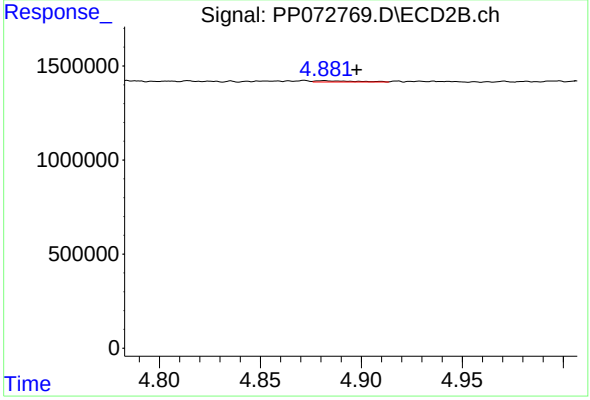
#11 AR-1232-1

R.T.: 4.173 min
Delta R.T.: 0.006 min
Response: 48743
Conc: 1.12 ng/ml



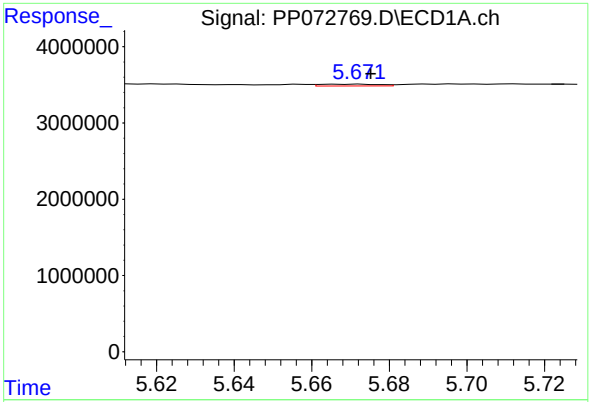
#12 AR-1232-2

R.T.: 5.407 min
Delta R.T.: 0.018 min
Response: 38054
Conc: 1.63 ng/ml



#12 AR-1232-2

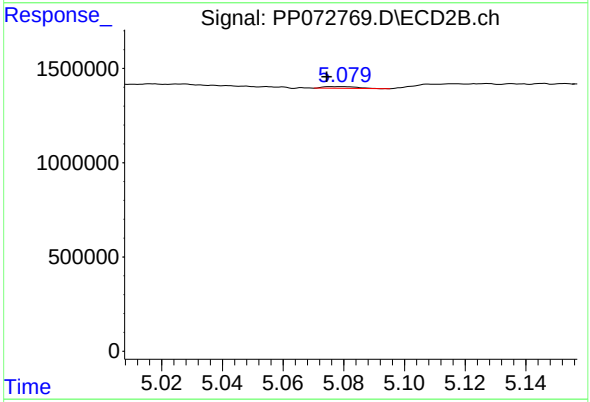
R.T.: 4.881 min
Delta R.T.: -0.016 min
Response: 84297
Conc: 1.91 ng/ml



#13 AR-1232-3

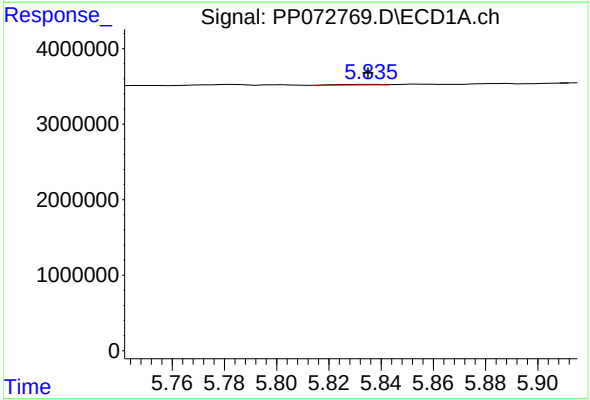
R.T.: 5.673 min
Delta R.T.: -0.002 min
Response: 249602
Conc: 4.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



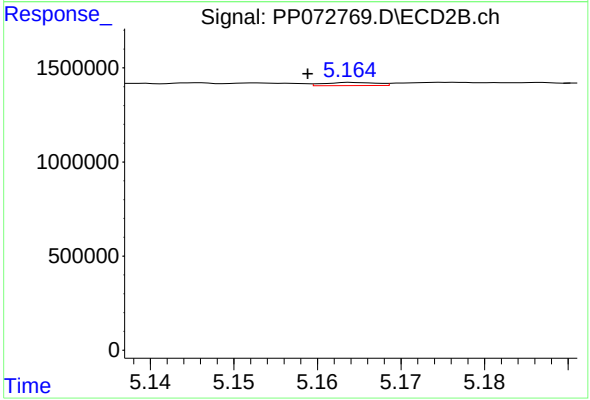
#13 AR-1232-3

R.T.: 5.078 min
Delta R.T.: 0.004 min
Response: 72424
Conc: 3.10 ng/ml



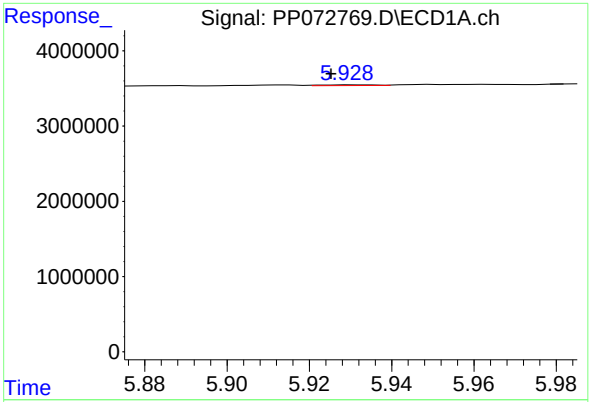
#14 AR-1232-4

R.T.: 5.836 min
Delta R.T.: 0.001 min
Response: 102206
Conc: 4.07 ng/ml



#14 AR-1232-4

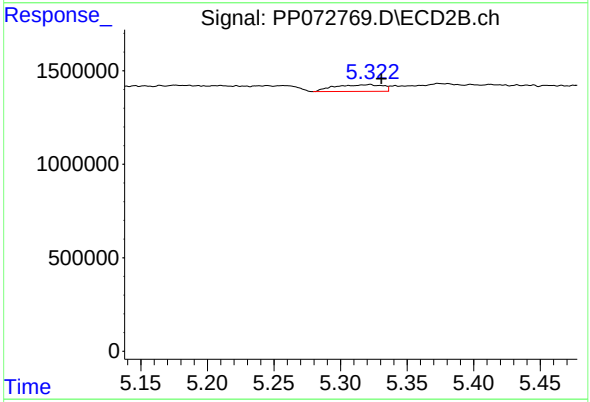
R.T.: 5.165 min
Delta R.T.: 0.006 min
Response: 75703
Conc: 3.65 ng/ml



#15 AR-1232-5

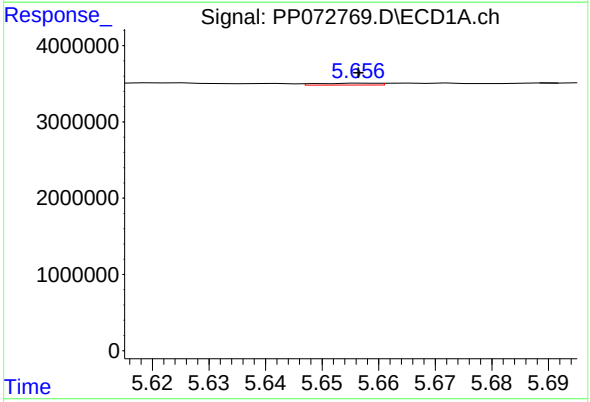
R.T.: 5.930 min
Delta R.T.: 0.005 min
Response: 87645
Conc: 5.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



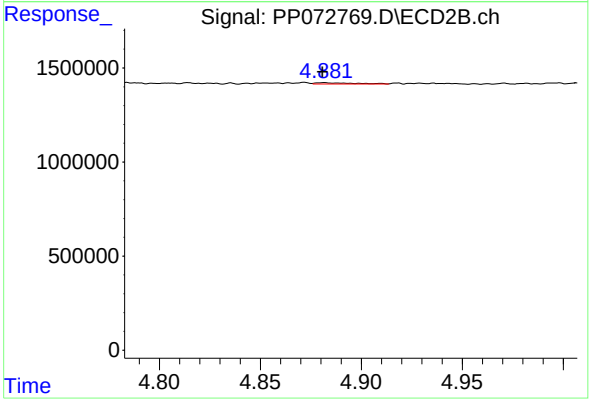
#15 AR-1232-5

R.T.: 5.322 min
Delta R.T.: -0.009 min
Response: 893446
Conc: 38.59 ng/ml



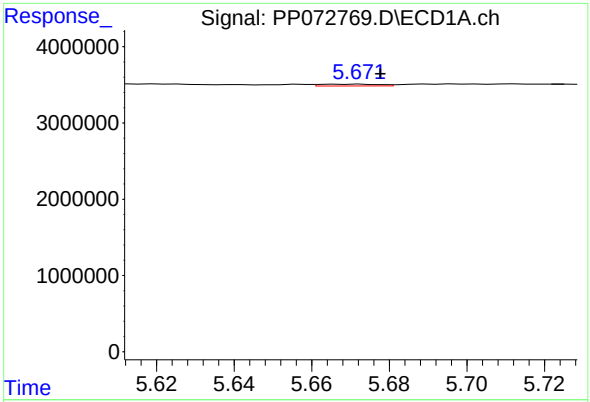
#16 AR-1242-1

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 182745
Conc: 2.92 ng/ml



#16 AR-1242-1

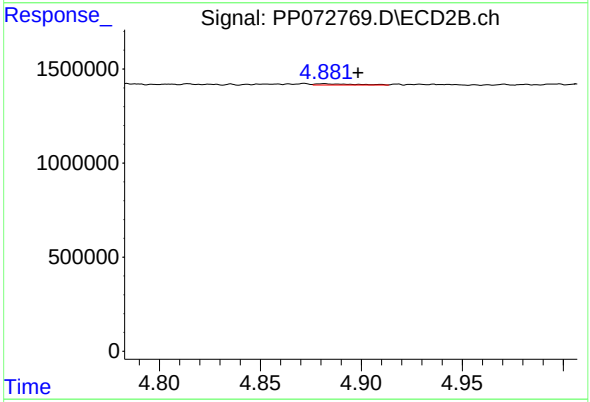
R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 84297
Conc: 1.62 ng/ml



#17 AR-1242-2

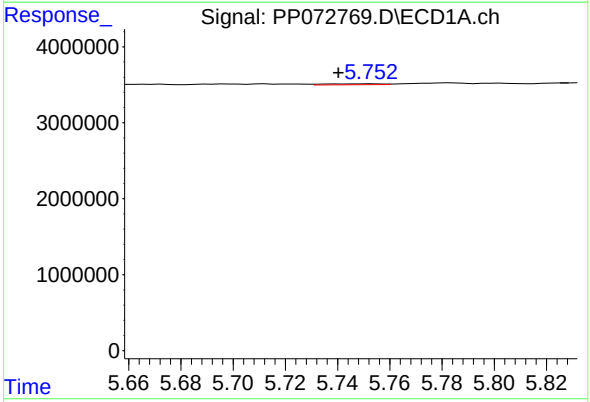
R.T.: 5.673 min
Delta R.T.: -0.005 min
Response: 249602
Conc: 2.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



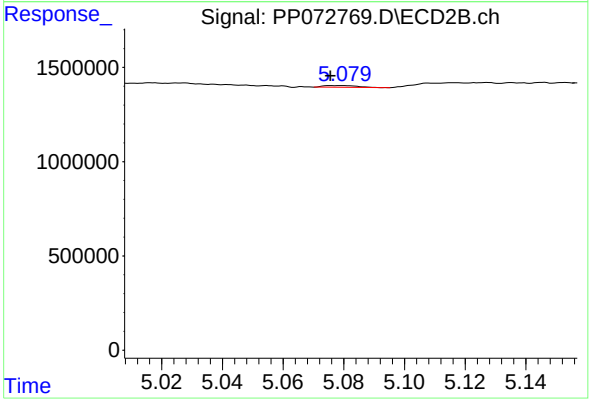
#17 AR-1242-2

R.T.: 4.881 min
Delta R.T.: -0.017 min
Response: 84297
Conc: 1.15 ng/ml



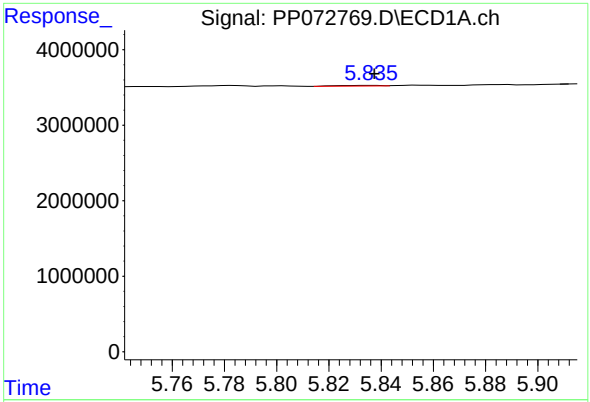
#18 AR-1242-3

R.T.: 5.754 min
Delta R.T.: 0.014 min
Response: 184213
Conc: 3.35 ng/ml



#18 AR-1242-3

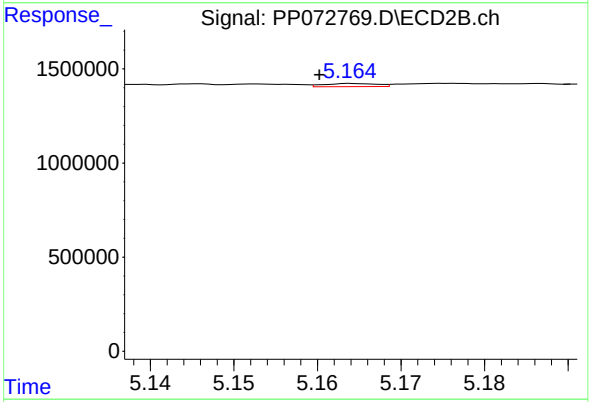
R.T.: 5.078 min
Delta R.T.: 0.003 min
Response: 72424
Conc: 1.85 ng/ml



#19 AR-1242-4

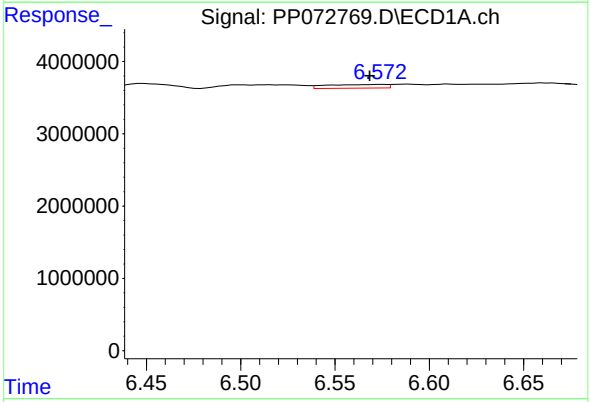
R.T.: 5.836 min
Delta R.T.: -0.001 min
Response: 102206
Conc: 2.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



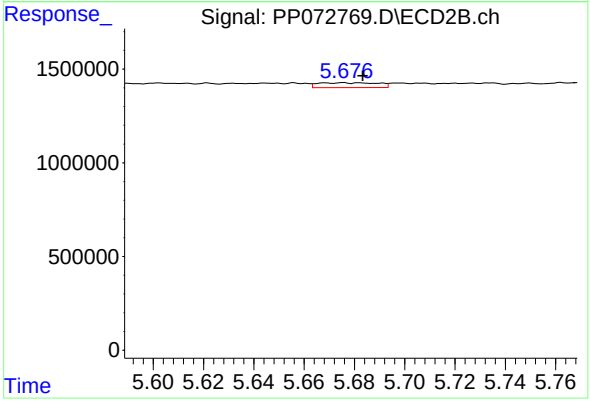
#19 AR-1242-4

R.T.: 5.165 min
Delta R.T.: 0.004 min
Response: 75703
Conc: 2.01 ng/ml



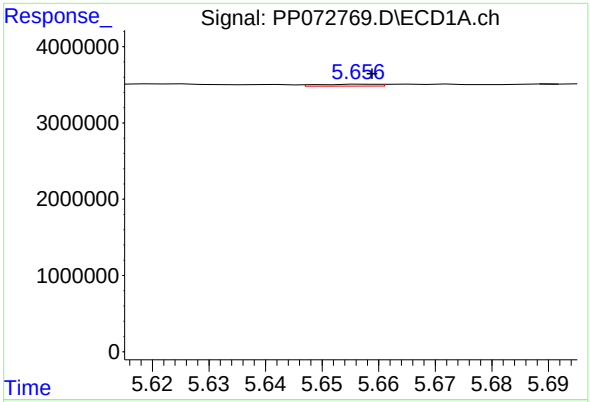
#20 AR-1242-5

R.T.: 6.574 min
Delta R.T.: 0.006 min
Response: 1108981
Conc: 21.75 ng/ml



#20 AR-1242-5

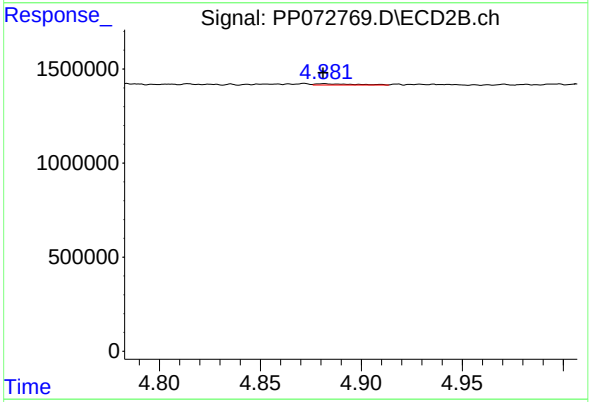
R.T.: 5.675 min
Delta R.T.: -0.008 min
Response: 431919
Conc: 8.95 ng/ml



#21 AR-1248-1

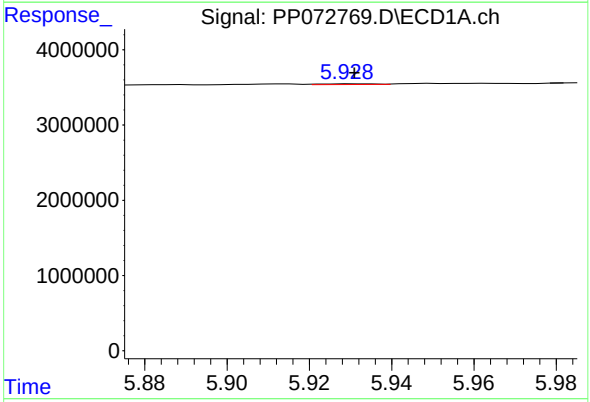
R.T.: 5.657 min
Delta R.T.: -0.001 min
Response: 182745
Conc: 3.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



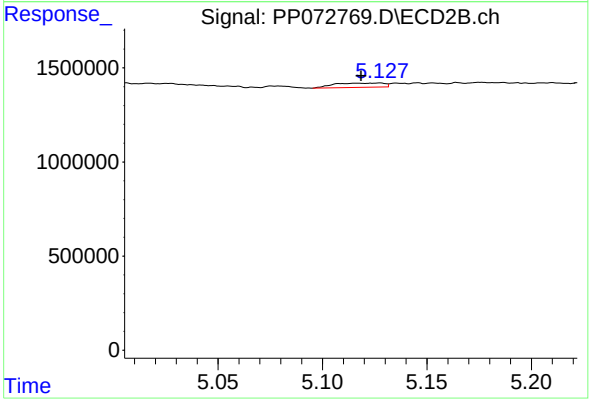
#21 AR-1248-1

R.T.: 4.881 min
Delta R.T.: 0.000 min
Response: 84297
Conc: 1.95 ng/ml



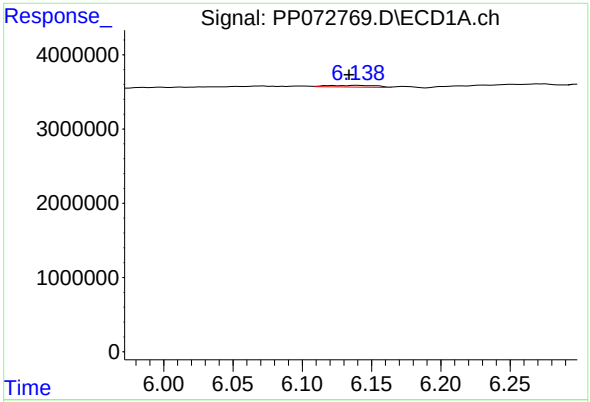
#22 AR-1248-2

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 87645
Conc: 1.45 ng/ml



#22 AR-1248-2

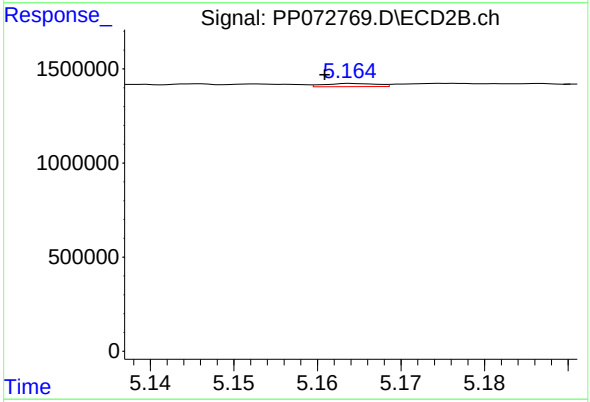
R.T.: 5.127 min
Delta R.T.: 0.009 min
Response: 371870
Conc: 6.58 ng/ml



#23 AR-1248-3

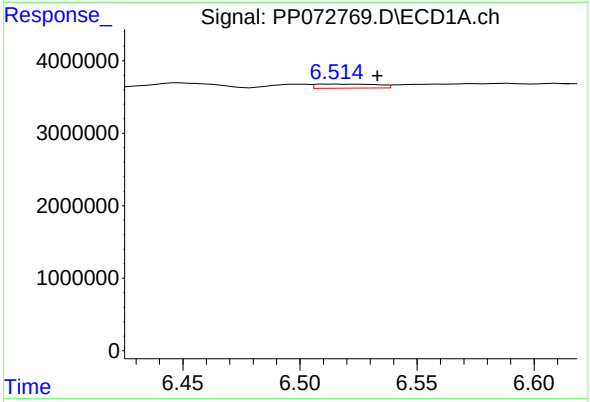
R.T.: 6.140 min
Delta R.T.: 0.006 min
Response: 581335
Conc: 8.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



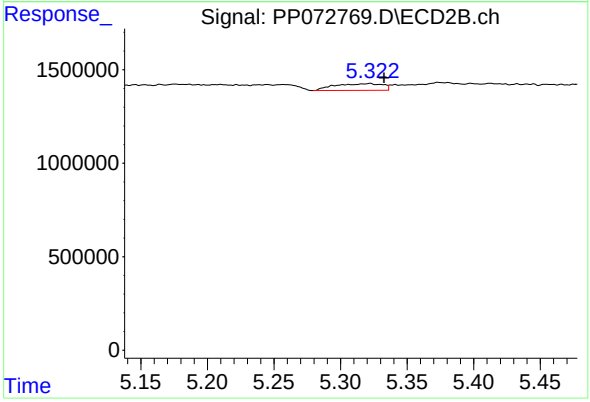
#23 AR-1248-3

R.T.: 5.165 min
Delta R.T.: 0.004 min
Response: 75703
Conc: 1.28 ng/ml



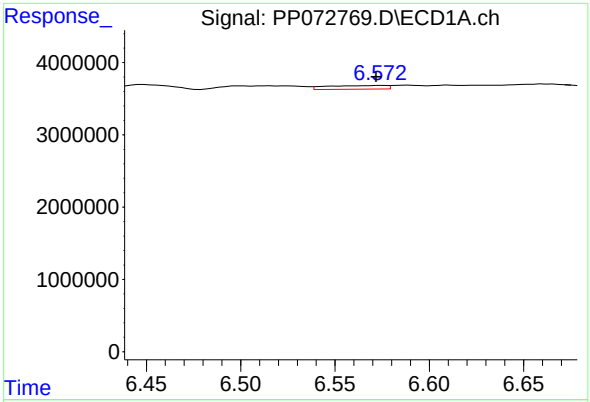
#24 AR-1248-4

R.T.: 6.516 min
Delta R.T.: -0.017 min
Response: 1014348
Conc: 11.61 ng/ml



#24 AR-1248-4

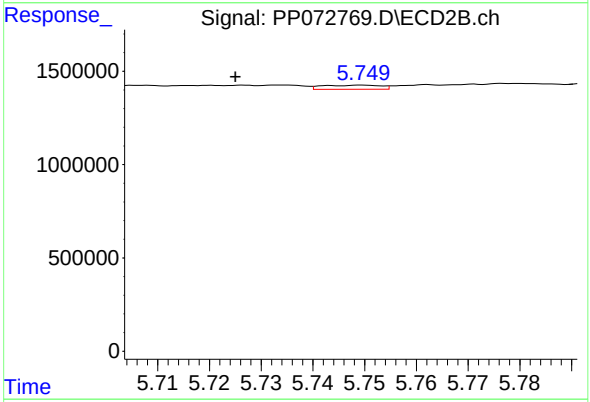
R.T.: 5.322 min
Delta R.T.: -0.011 min
Response: 893446
Conc: 12.83 ng/ml



#25 AR-1248-5

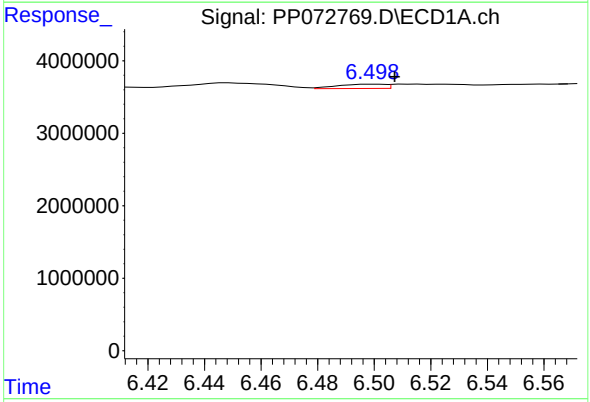
R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 1108981
Conc: 13.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



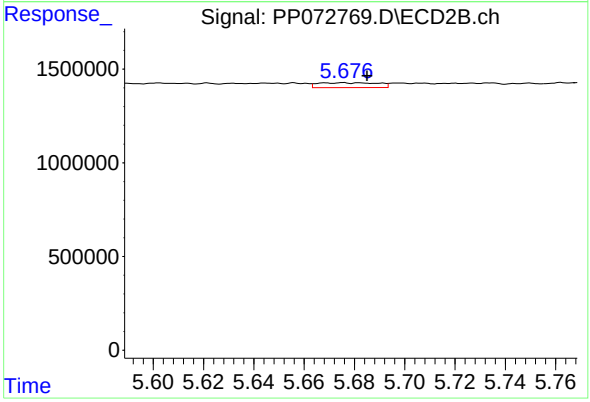
#25 AR-1248-5

R.T.: 5.750 min
Delta R.T.: 0.024 min
Response: 172318
Conc: 2.47 ng/ml



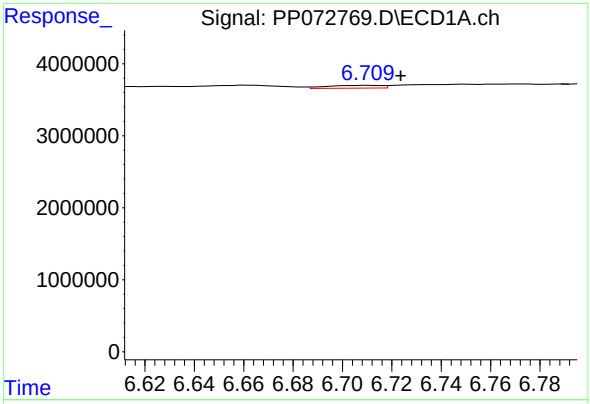
#26 AR-1254-1

R.T.: 6.500 min
Delta R.T.: -0.007 min
Response: 689998
Conc: 8.02 ng/ml



#26 AR-1254-1

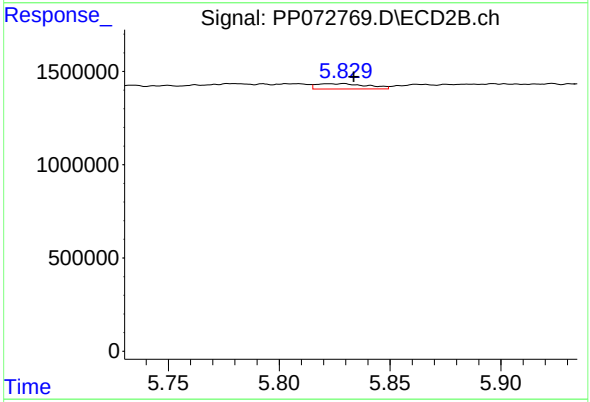
R.T.: 5.675 min
Delta R.T.: -0.010 min
Response: 431919
Conc: 4.32 ng/ml



#27 AR-1254-2

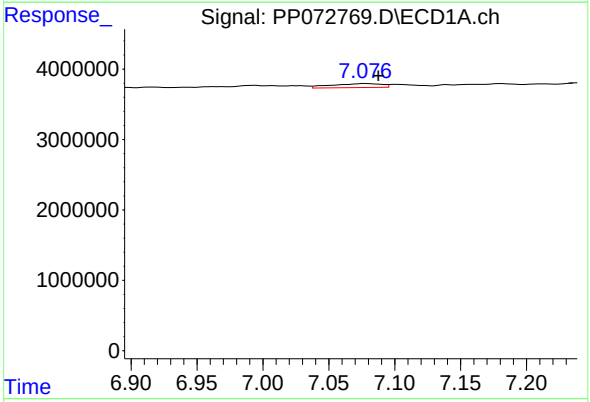
R.T.: 6.711 min
Delta R.T.: -0.013 min
Response: 615209
Conc: 4.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



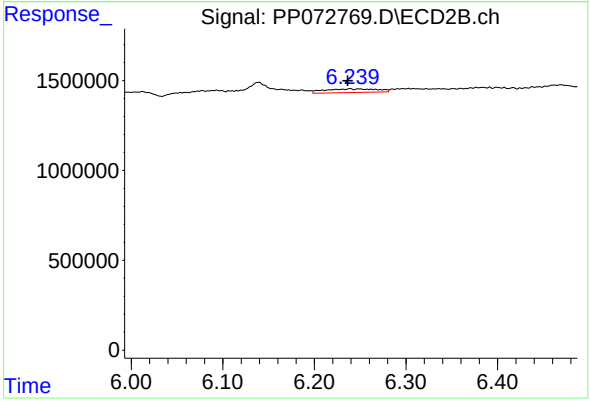
#27 AR-1254-2

R.T.: 5.822 min
Delta R.T.: -0.011 min
Response: 455003
Conc: 5.27 ng/ml



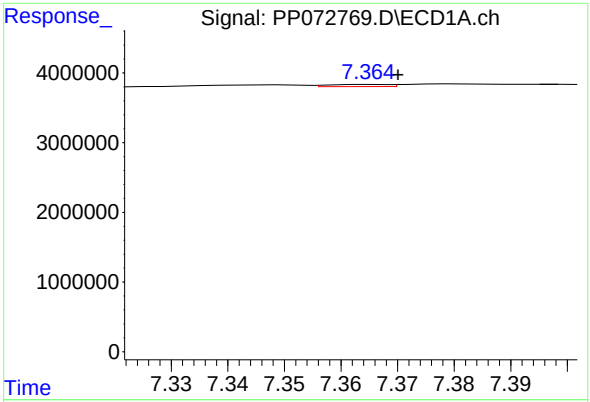
#28 AR-1254-3

R.T.: 7.077 min
Delta R.T.: -0.011 min
Response: 1479307
Conc: 11.21 ng/ml



#28 AR-1254-3

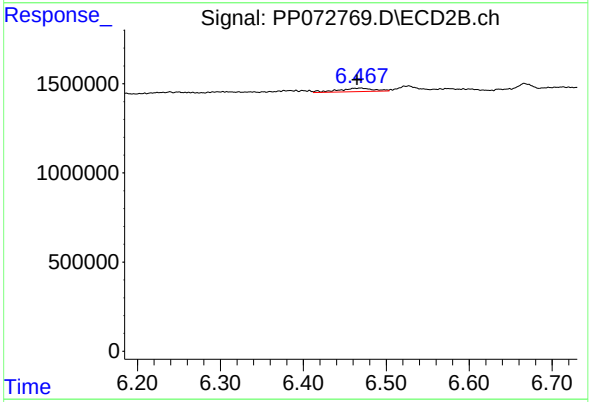
R.T.: 6.239 min
Delta R.T.: 0.003 min
Response: 822316
Conc: 6.39 ng/ml



#29 AR-1254-4

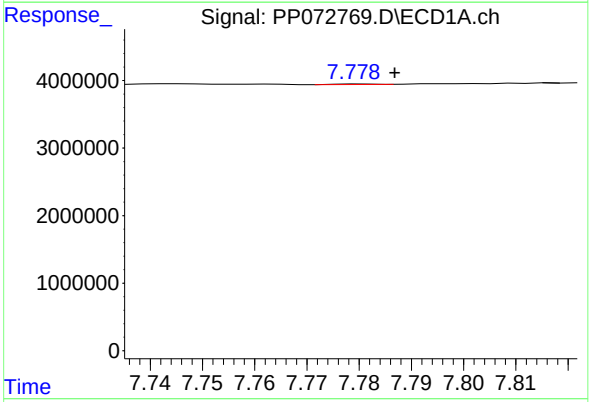
R.T.: 7.366 min
Delta R.T.: -0.004 min
Response: 222766
Conc: 1.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



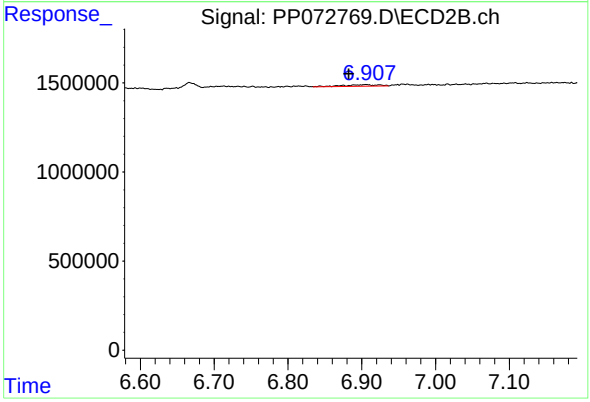
#29 AR-1254-4

R.T.: 6.469 min
Delta R.T.: 0.004 min
Response: 578019
Conc: 6.78 ng/ml



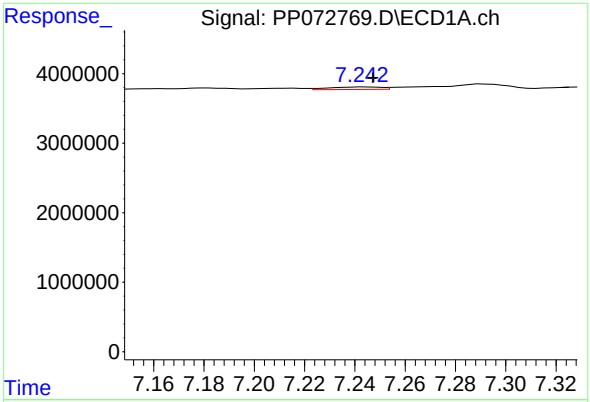
#30 AR-1254-5

R.T.: 7.781 min
Delta R.T.: -0.006 min
Response: 40762
Conc: 0.37 ng/ml



#30 AR-1254-5

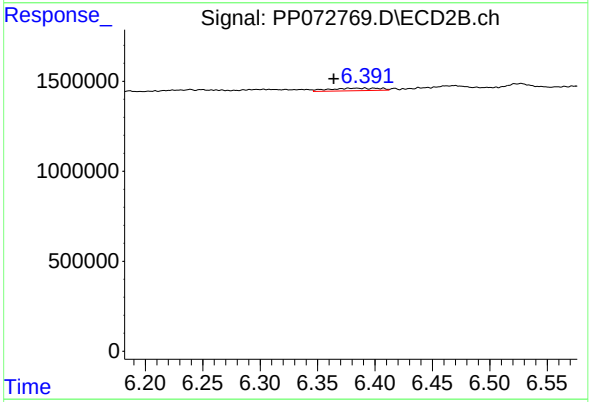
R.T.: 6.906 min
Delta R.T.: 0.023 min
Response: 282464
Conc: 2.49 ng/ml



#31 AR-1260-1

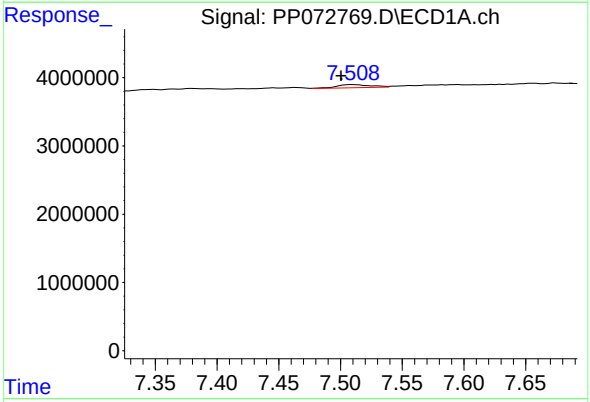
R.T.: 7.243 min
Delta R.T.: -0.004 min
Response: 507112
Conc: 5.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



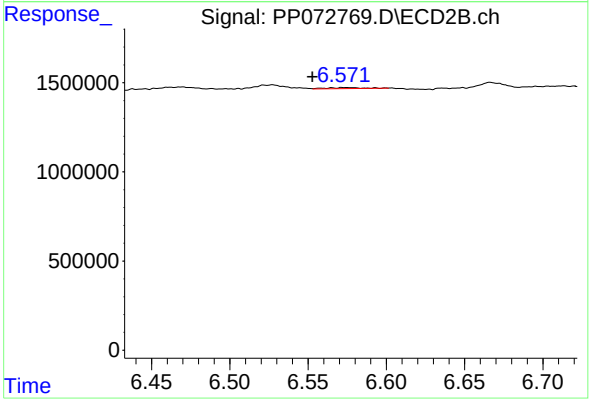
#31 AR-1260-1

R.T.: 6.391 min
Delta R.T.: 0.027 min
Response: 432494
Conc: 5.42 ng/ml



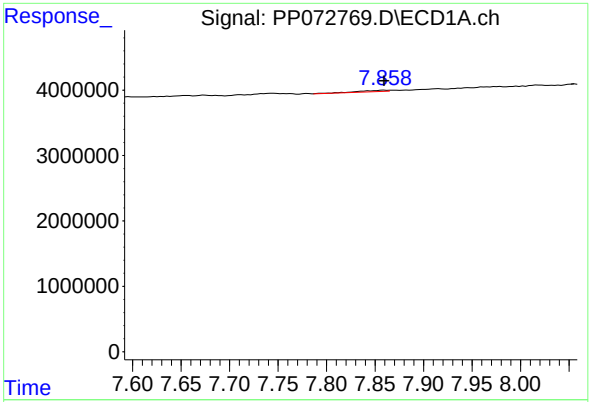
#32 AR-1260-2

R.T.: 7.510 min
Delta R.T.: 0.009 min
Response: 895243
Conc: 6.24 ng/ml



#32 AR-1260-2

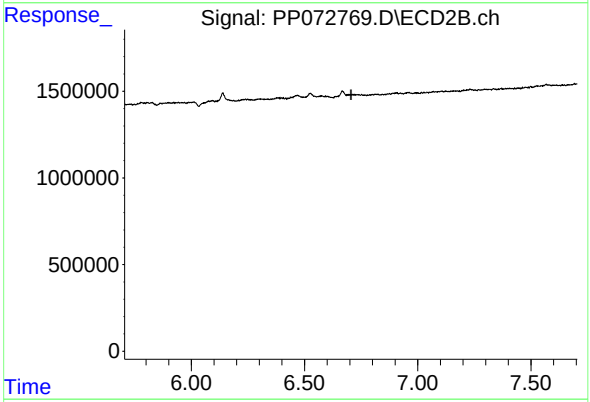
R.T.: 6.575 min
Delta R.T.: 0.022 min
Response: 110851
Conc: 1.09 ng/ml



#33 AR-1260-3

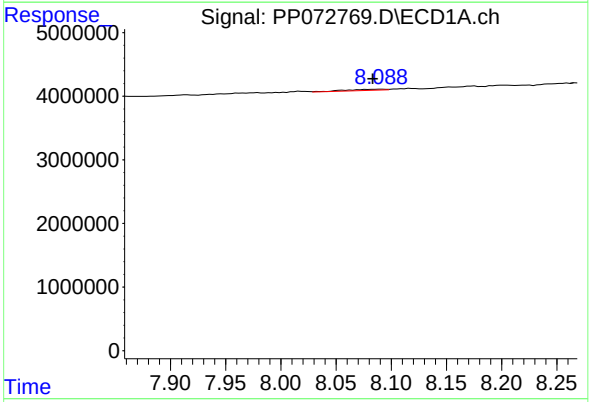
R.T.: 7.859 min
Delta R.T.: 0.000 min
Response: 420831
Conc: 3.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



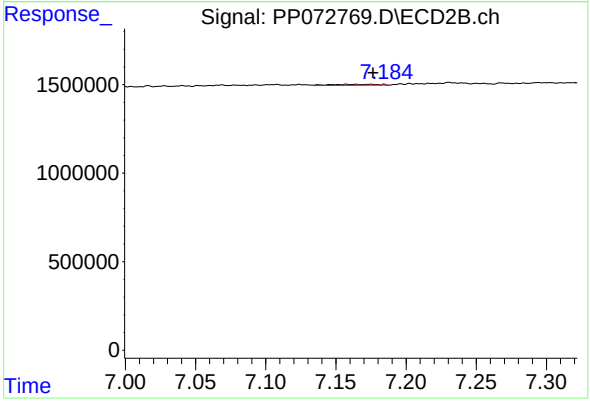
#33 AR-1260-3

R.T.: 0.000 min
Exp R.T. : 6.705 min
Response: 0
Conc: N.D.



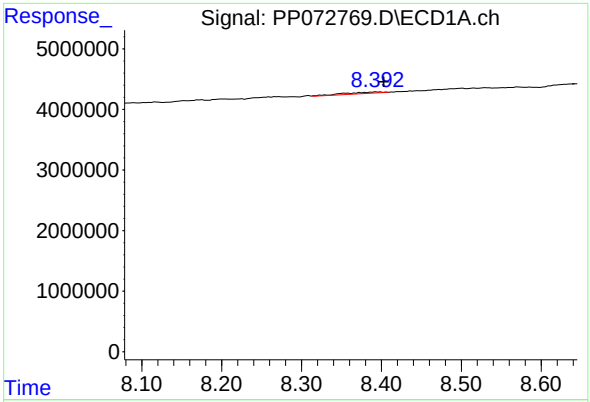
#34 AR-1260-4

R.T.: 8.091 min
Delta R.T.: 0.007 min
Response: 434892
Conc: 4.05 ng/ml



#34 AR-1260-4

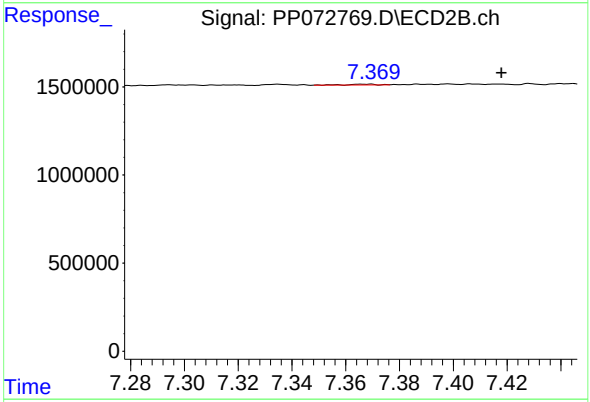
R.T.: 7.174 min
Delta R.T.: -0.002 min
Response: 141900
Conc: 1.97 ng/ml



#35 AR-1260-5

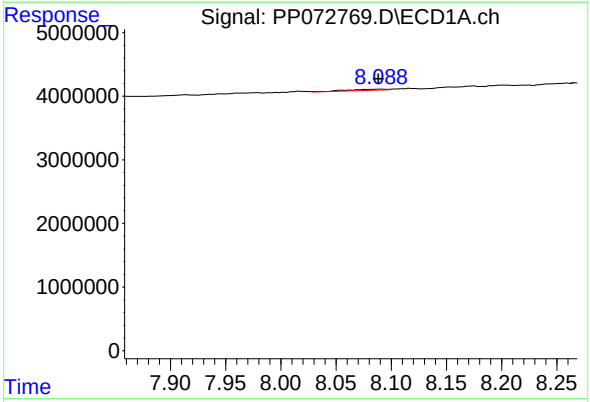
R.T.: 8.393 min
Delta R.T.: -0.010 min
Response: 726711
Conc: 3.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



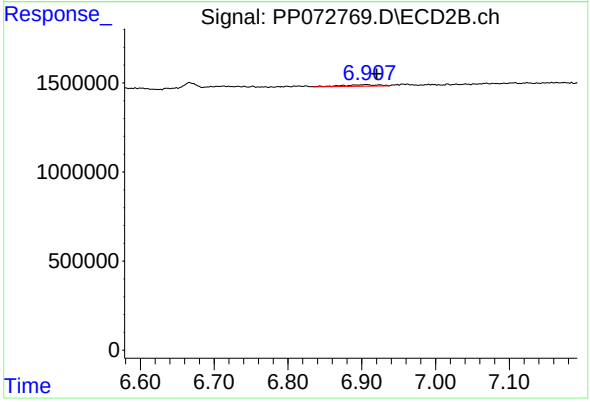
#35 AR-1260-5

R.T.: 7.367 min
Delta R.T.: -0.051 min
Response: 36125
Conc: 0.21 ng/ml



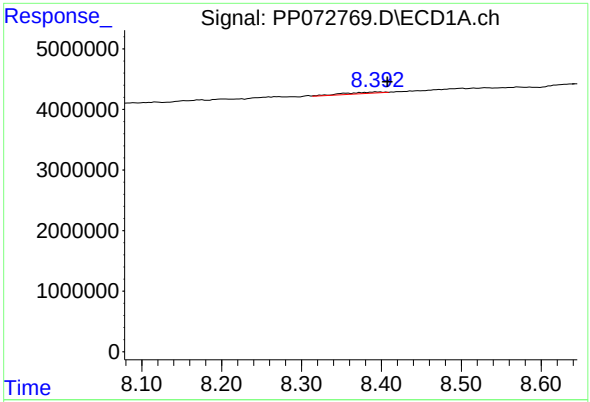
#36 AR-1262-1

R.T.: 8.091 min
Delta R.T.: 0.002 min
Response: 434892
Conc: 3.26 ng/ml



#36 AR-1262-1

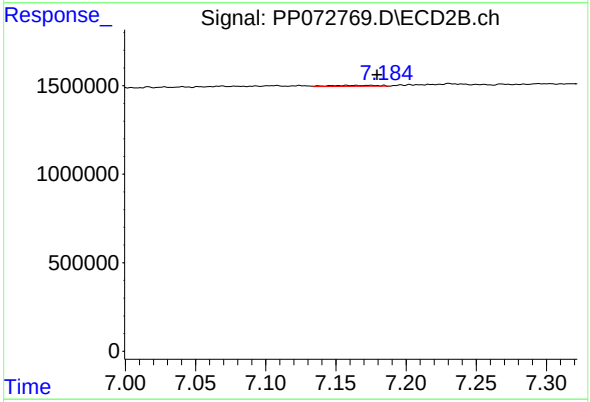
R.T.: 6.906 min
Delta R.T.: -0.014 min
Response: 282464
Conc: 2.50 ng/ml



#37 AR-1262-2

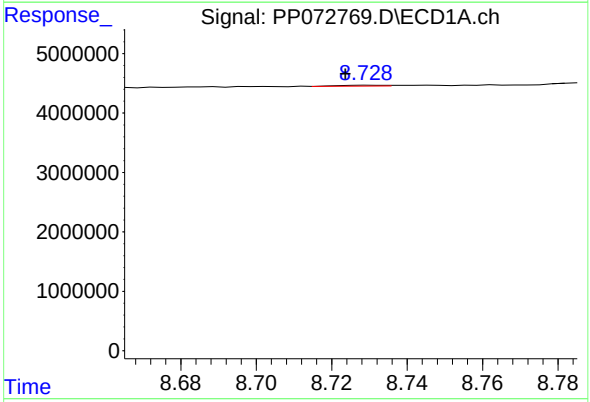
R.T.: 8.393 min
Delta R.T.: -0.015 min
Response: 726711
Conc: 2.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



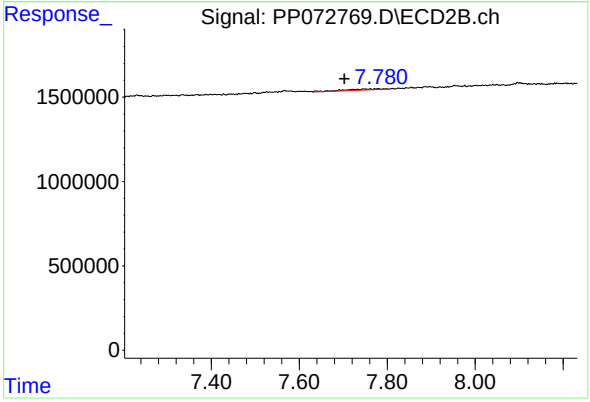
#37 AR-1262-2

R.T.: 7.174 min
Delta R.T.: -0.005 min
Response: 141900
Conc: 1.46 ng/ml



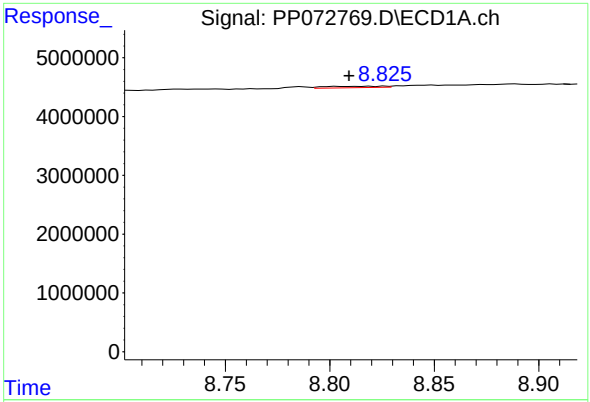
#38 AR-1262-3

R.T.: 8.730 min
Delta R.T.: 0.006 min
Response: 122422
Conc: 0.66 ng/ml



#38 AR-1262-3

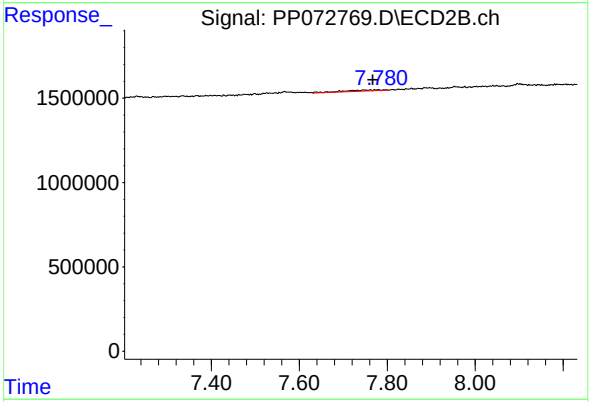
R.T.: 7.761 min
Delta R.T.: 0.059 min
Response: 411581
Conc: 5.05 ng/ml



#39 AR-1262-4

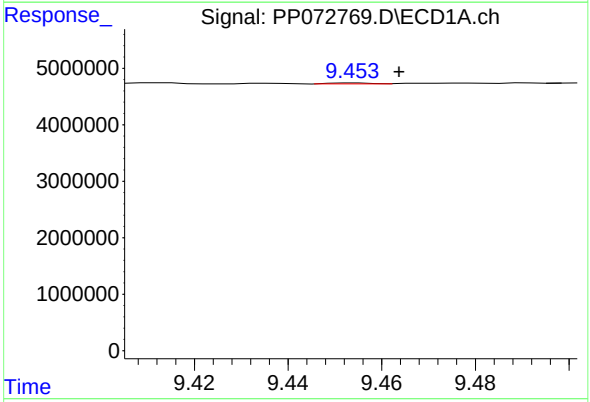
R.T.: 8.820 min
Delta R.T.: 0.010 min
Response: 477915
Conc: 3.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



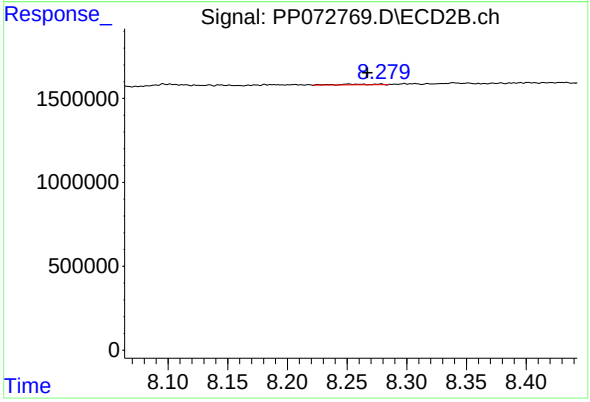
#39 AR-1262-4

R.T.: 7.761 min
Delta R.T.: -0.006 min
Response: 411581
Conc: 2.93 ng/ml



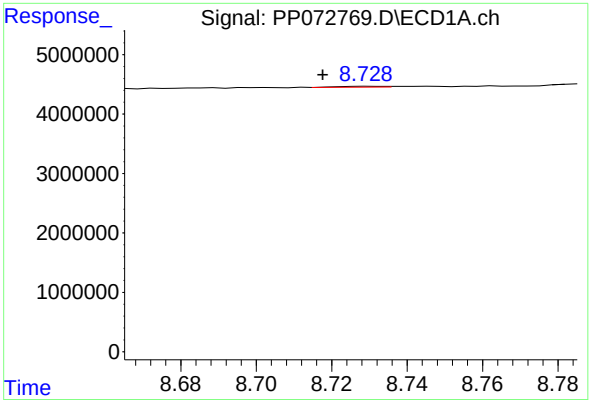
#40 AR-1262-5

R.T.: 9.454 min
Delta R.T.: -0.009 min
Response: 91211
Conc: 0.99 ng/ml



#40 AR-1262-5

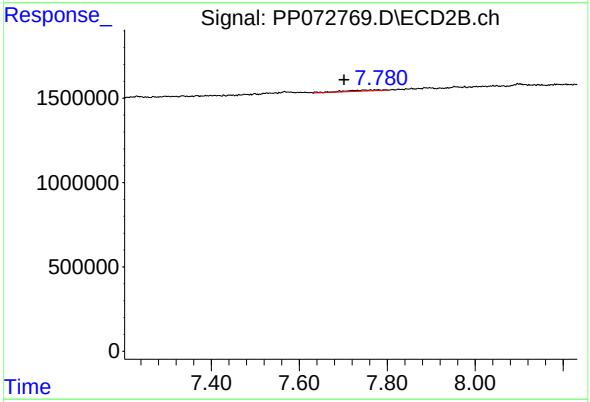
R.T.: 8.252 min
Delta R.T.: -0.016 min
Response: 65592
Conc: 1.01 ng/ml



#41 AR-1268-1

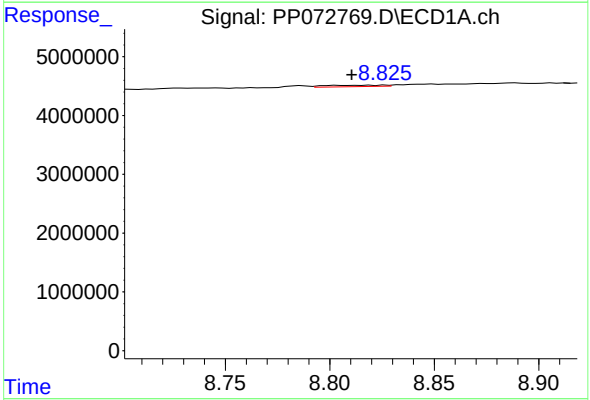
R.T.: 8.730 min
Delta R.T.: 0.012 min
Response: 122422
Conc: 0.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



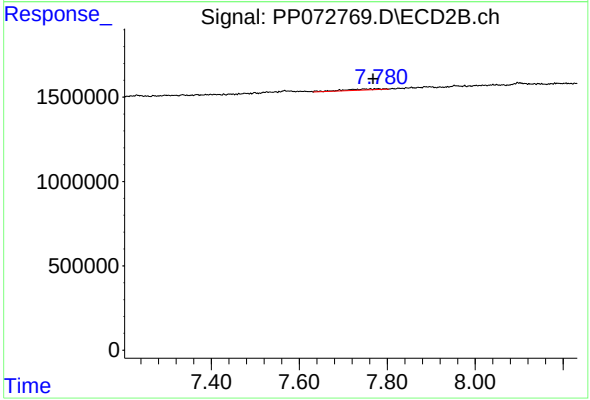
#41 AR-1268-1

R.T.: 7.761 min
Delta R.T.: 0.060 min
Response: 411581
Conc: 1.76 ng/ml



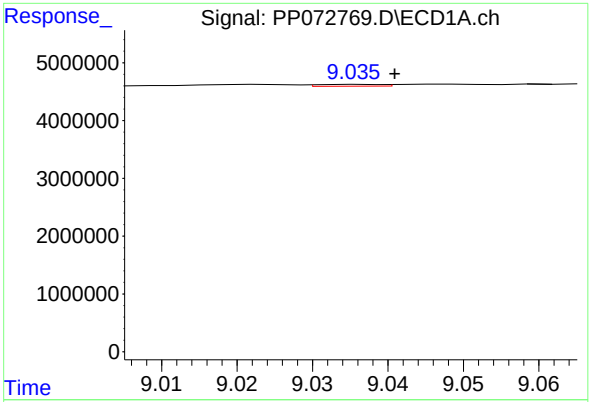
#42 AR-1268-2

R.T.: 8.820 min
Delta R.T.: 0.009 min
Response: 477915
Conc: 1.71 ng/ml



#42 AR-1268-2

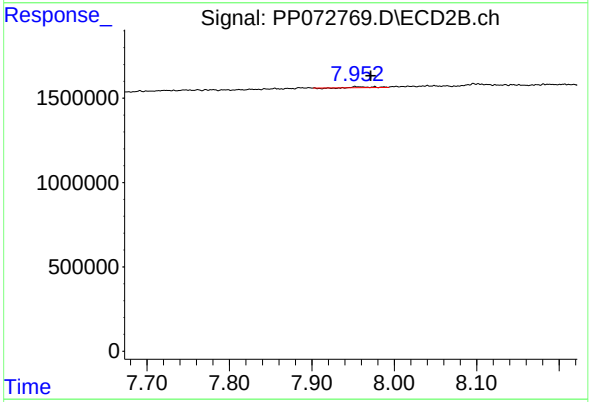
R.T.: 7.761 min
Delta R.T.: -0.006 min
Response: 411581
Conc: 1.99 ng/ml



#43 AR-1268-3

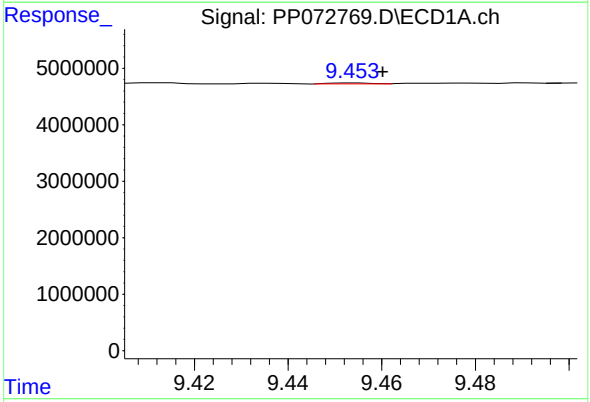
R.T.: 9.036 min
Delta R.T.: -0.005 min
Response: 185217
Conc: 0.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



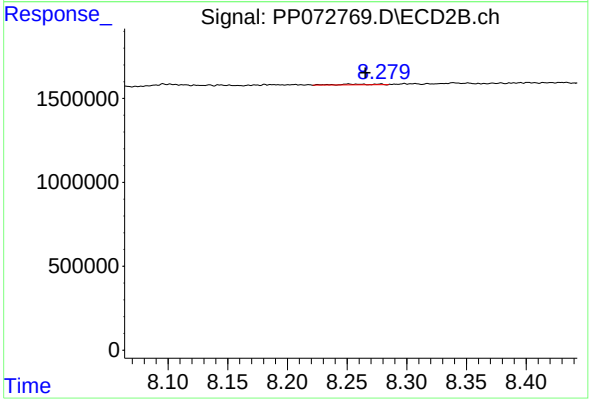
#43 AR-1268-3

R.T.: 7.954 min
Delta R.T.: -0.018 min
Response: 38864
Conc: 0.23 ng/ml



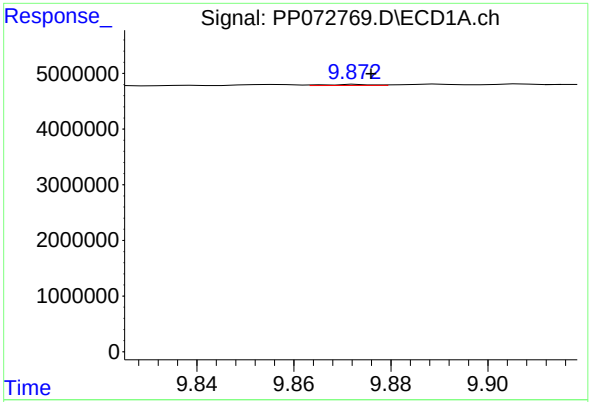
#44 AR-1268-4

R.T.: 9.454 min
Delta R.T.: -0.006 min
Response: 91211
Conc: 0.87 ng/ml



#44 AR-1268-4

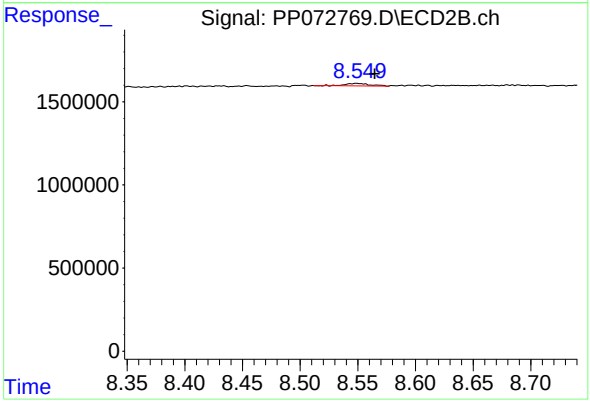
R.T.: 8.252 min
Delta R.T.: -0.014 min
Response: 65592
Conc: 0.90 ng/ml



#45 AR-1268-5

R.T.: 9.873 min
Delta R.T.: -0.003 min
Response: 112587
Conc: 0.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



#45 AR-1268-5

R.T.: 8.549 min
Delta R.T.: -0.016 min
Response: 218374
Conc: 0.48 ng/ml